FINAL

CEQA INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION

EUREKA HILL ROAD – GARCIA RIVER BRIDGE SEISMIC RETROFIT PROJECT

MENDOCINO COUNTY, CALIFORNIA



LSA

July 2014

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EUREKA HILL ROAD – GARCIA RIVER BRIDGE SEISMIC RETROFIT PROJECT

MENDOCINO COUNTY, CALIFORNIA

Submitted to:

Mendocino County
Department of Transportation
340 Lake Mendocino Drive
Ukiah, California 95482

Prepared by:

LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, California 95677
(916) 630-4600

LSA Project No. MKT1003A

LSA

July 2014

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1.2 CLARIFICATIONS AND CORRECTIONS

During the public review period, no comments were received identifying the need for clarification and/or revision to the IS/MND text. Sections 1.2 "Clarifications and Corrections", 1.3 "Public Comments", 1.4 "Response to Comment Format", and 1.5 "Additional Documentation" of this Final MND provide discussion of steps that have been taken since the circulation of the Draft IS/MND. Sections 1.2 through 1.5 have been added to this Final MND. Section 1.2 "Summary Information" of the Draft IS/MND has been renumbered and is included in this Final MND as Section 1.6.

1.3 PUBLIC COMMENTS

The County of Mendocino circulated the Draft IS/MND for public review and agency review on June 13, 2014. The following comment letters were received on the June 2014 Draft Initial Study/Mitigated Negative Declaration:

Native American Heritage Commission (June 18, 2014)

U.S. Army Corps of Engineers (June 25, 2014)

Responses to these comment letters are provided in Section 5.0 Response to Comments.

1.4 RESPONSE TO COMMENT FORMAT

Section 5.0, Response to Comments is organized in the following way:

- The comment letter is labeled with a comment code that corresponds to the response
- A response to each relevant comment follows, organized by comment code

1.5 ADDITIONAL DOCUMENTATION

This Final Mitigated Negative Declaration includes additional documentation for the public record, including:

- Proof of Publication
- Notice of Intent to Adopt a Mitigated Negative Declaration
- Notice of Completion
- Letter dated July 15, 2014 from the Governor's Office of Planning and Research State Clearinghouse and Planning Unit noting compliance with the State Clearinghouse review requirements

These documents are included in Appendix C of this Final MND.

1.0 INTRODUCTION

The Mendocino County Department of Transportation (MDOT), in conjunction with the California Department of Transportation (Caltrans) and the Federal Highway Administration (FHWA), proposes seismic retrofits to the Eureka Hill Road Bridge (No. 10C-0034) over the Garcia River. Accordingly, the proposed project requires California Environmental Quality Act (CEQA) review, and MDOT, as the Lead Agency under CEQA, has authorized preparation of this environmental document in compliance with CEQA procedures. Caltrans, under a separate environmental review process, will be the Lead Agency under the National Environmental Policy Act (NEPA). The proposed project will be funded with local and Federal Highway Bridge Program (HBP) funds. Project alternatives include the proposed project and the No Project alternative.

The purpose of the proposed project is to improve overall safety by providing the existing bridge with seismic retrofits that meet current Caltrans design standards. The Eureka Hill Road Bridge has been reviewed and the bridge foundations are subject to severe damage resulting from potential ground rupture, soil liquefaction or slope failure during the design earthquake. The bridge is eligible for funding for seismic rehabilitation through the HBP.

1.1 ENVIRONMENTAL REVIEW

The proposed Eureka Hill Road – Garcia River Bridge (No. 10C-0034) Seismic Retrofit Project constitutes a "project" in accordance with CEQA. Prior to approving the project, Mendocino County must provide environmental review in accordance with CEQA to assess the potential effects of the proposed project, including mitigation where necessary.

Mendocino County has prepared this Mitigated Negative Declaration (MND) (SCH#2014062041) to provide agencies and the public with information about the proposed project's potential impacts on the local and regional environment. This document has been prepared in compliance with the California Environmental Quality Act (CEQA) of 1970 as amended, and the State CEQA Guidelines, California Administrative Code, Title 14, Division 6, Chapter 3 (CEQA Guidelines). In anticipation of determining that all potentially significant impacts resulting from the proposed project can be mitigated to less than significant levels, a MND is being considered to provide environmental clearance for the proposed project.

A Draft Initial Study/Mitigated Negative Declaration (IS/MND) dated June, 2014 was distributed for public review on June 13, 2014 for a 30-day review period ending on July 14, 2014. Comments were received during the review period and are addressed in this document. Therefore, this Final MND reflects the final environmental documentation for the Eureka Hill Road – Garcia River Bridge Seismic Retrofit Project.

1.6 SUMMARY INFORMATION

Project Title: Eureka Hill Road – Garcia River Bridge (No. 10C-0034) Seismic Retrofit Project
Lead Agency Name and Address:
Mendocino County
Department of Transportation
340 Lake Mendocino Drive
Ukiah, California 95482

Contact Person and Phone Number:
Jackson Ford, Mendocino County – Environmental Compliance Specialist (707) 463-4622

Project Location: The proposed project is in Mendocino County, California, on Eureka Hill Road (CR 505) at the crossing of the Garcia River at Mile Marker 4.92. The City of Point Arena is approximately 5.0 miles west of the proposed project area. The regional and project location are illustrated in Figures 1 and 2, respectively.

Project Sponsor's Name and Address:
Mendocino County
Department of Transportation
340 Lake Mendocino Drive
Ukiah, California 95482

General Plan Designation: None (Public Street)
The project site is located within the Mendocino County General Plan area (2009). According to the Mendocino County General Plan, uses in the vicinity of the project site are designated Rangeland 160 (RL160; APNs 027-331-03-00, 027-331-05-00, 027-331-12-00, and 027-331-21-00) and Timber Preserve (TP; APN 027-331-13-00).

Zoning: None (Public Street)
Surrounding zoning designations include Rangeland (RL) with Floodplain and Seismic Study overlays (APNs 027-331-03-00, 027-331-05-00, 027-331-12-00, and 027-331-21-00) and Timber Preserve (TP) with Floodplain and Seismic Study overlays (APN 027-331-13-00).

Description of Project: MDOT, in conjunction with Caltrans and FHWA propose to seismically retrofit the Eureka Hill Road Bridge (No. 10C-0034) over the Garcia River in Mendocino County, California. The following sections provide an overview of the proposed project including project need, present condition, proposed improvements and construction (Figure 3).

Project Need: The Eureka Hill Road Bridge has been evaluated and it has been determined that the bridge foundations are subject to severe damage resulting from potential ground rupture, soil liquefaction or slope failure during the design earthquake. The existing Eureka Hill Road Bridge does not meet current operational seismic safety design standards. Improvements to the existing bridge are needed to address seismic safety deficiencies and current safety design standards. The bridge is eligible for funding for seismic rehabilitation through the HBP.



LEGEND

Project Location

FIGURE 1

Eureka Hill Road - Garcia River Bridge Seismic Retrofit Project

Project Location

0 2.5 5
MILES

SOURCE: ESRI Imagery (4/2008)

I:\Mkt1003A\AI\MND\Figure 1 Project Location.ai (1/10/2014)



LEGEND

Project Area

FIGURE 2

Eureka Hill Road - Garcia River Bridge Seismic Retrofit Project

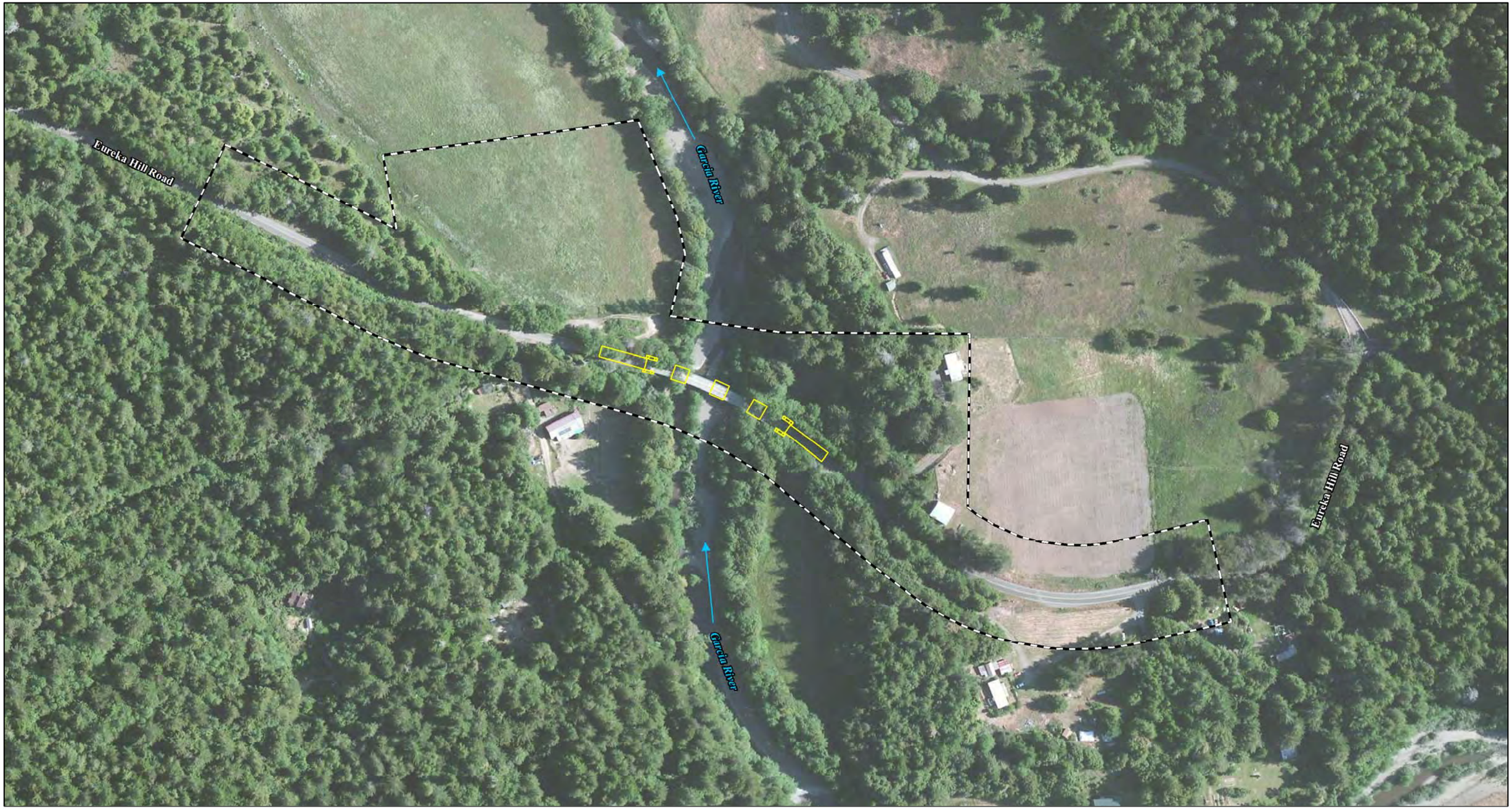
Project Vicinity

0 1000 2000

FEET

SOURCE: Microsoft Bing Aerial (2013)

I:\Mkt1003A\AI\MND\Figure 2 Project Vicinity.ai (1/10/2014)



LEGEND

Project Area

Project Design

0 100 200

FEET

SOURCE: Basemap - Microsoft Bing Aerial (2010); Mapping - LSA Associates, Inc. (2013)

I:\Mkt1003A\AI\MND\Figure 3.ai (1/14/2014)

FIGURE 3

Eureka Hill Road - Garcia River Bridge Seismic Retrofit Project

Project Design

Present Condition: The existing Eureka Hill Road Bridge at the Garcia River is located near Point Arena and is a four-span, 320-foot-long by 22-foot, 8-inch-wide structure built by the U.S. Army Corps of Engineers in 1969. The bridge consists of a reinforced concrete box girder superstructure supported by cast in steel shell piles, and the abutments are seat type abutments. The Caltrans Bridge Inspection Report prepared in 2002 does not indicate any history of scour (Caltrans).

A Foundation Investigation prepared in 1997 (Taber Consultants) summarized findings affecting the analysis.

The proposed project is located in the San Andreas Fault Zone. Active traces of the fault are mapped approximately 400 feet east and 1,000 feet west of the bridge. Preliminary evaluation of liquefaction potential concluded that:

- 1 to 2 feet of ground movement could occur at the west bank, affecting Abutment 1 and Pier 2
- Movement in excess of 2 feet could occur at the east bank, affecting Pier 4 and Abutment 5
- Channel soils are susceptible to erosion, scour and liquefaction, affecting the lateral stability of piles at Pier 3

Proposed Improvements: The proposed project includes seismic retrofits of the Eureka Hill Road Bridge (No. 10C-0034) over the Garcia River in Mendocino County. The proposed improvements would strengthen the structural components to resist seismic loads on the structure and loads imposed by the soil movement. Support is provided at the ends of the superstructure near the abutments. The proposed project is described as Alternative 1 in the Seismic Retrofit Strategy Report prepared in 1998 (Holmes & Narver 1998).

The retrofit work would involve the following activities within or adjacent to the Garcia River: 1) constructing a temporary clear water crossing (temporary work pad) beneath the bridge with temporary culverts to maintain flow and fish passage through the site as well as providing construction access to piers; 2) excavating, driving piles, and constructing top mats to reinforce the bent foundations around piers 2, 3, and 4; and 3) revegetating temporarily disturbed riparian areas. Retrofitting of the bridge abutments (i.e., excavating, constructing two 72-inch Cast-In-Drilled-Hole (CIDH) piles at each bridge abutment, and constructing concrete girders between the CIDH pile groups and bumpers to the superstructure soffit would occur outside of the channel.

Dewatering would occur in the work area extending approximately 50 feet upstream and 20 feet downstream of the existing bridge to allow for the construction of the temporary work pad. Construction of the proposed project is expected to require one season (June 15 through October 15) with work within the Garcia River lasting approximately three months.

The proposed project would also include pavement rehabilitation of the approach roadways on both sides of the bridge. Work on the approach roadways would include removal of the existing pavement, replacement of any failed roadway base areas, and placement of new hot mix asphalt pavement.

These improvements would require temporary access to the streambed in order to construct column casings to the bent columns and top mats to the bent foundations. However, all temporary access would be removed once the seismic improvements have been completed, and the disturbed area would be restored to the pre-project conditions. The resulting spoils of CIDH piles would be disposed of outside of the public right-of-way, in accordance with the contract specifications. Temporary access would be provided by the old roadway alignment. Dewatering is anticipated to construct the footing retrofit at the three piers. Ground disturbance varies based on the proposed improvements and is shown below:

Construction Activity	**Estimated Depth of Ground Disturbance**
Abutment 1 Retrofit	100 feet below surface
Footing Retrofit (Piers 2 & 3)	60 feet below surface
Footing Retrofit (Pier 4)	80 feet below surface
Abutment 2 Retrofit	110 feet below surface

As is standard with all roadway projects, the contractor would be required to install temporary Best Management Practices (BMPs) to control any runoff or erosion from the project site and prevent it from entering the surrounding waterways. These temporary BMPs would be installed prior to any construction operations and would be in place for the duration of the contract. The final operation of the proposed project would be removal of these BMPs and project site cleanup.

A telephone/fiber optic conduit is attached to the bridge on the north side and a telephone line is attached to the south side of the bridge. These utilities may be in conflict with the retrofit work near the abutments.

Construction Staging: In order to complete the needed seismic retrofit work, it is likely that the Eureka Hill Road Bridge would be limited to one lane traffic control through the project site for some construction activities, including drilling CIDH piles. Limited east-west connections exist between State Routes 1 and 128, and closing Eureka Hill Road and detouring traffic would result in a 125-mile detour around the project site. Two areas (one on each side of the Garcia River) north of the bridge are available for potential construction staging areas. All in-channel work would occur between June 15 and October 15.

Surrounding Land Uses and Setting: As described above, surrounding land uses are designated as rangeland and timber preserve.

With the exception of the existing roadway (Eureka Hill Road), the project site is largely undeveloped and undisturbed, and supports habitats, such as hills covered with mixed coniferous forest and redwood groves, red alder and willow riparian habitat along the river, and occasional large openings of grasslands along the valley. Rural homes are scattered along the river near the Eureka Hill Road Bridge; most residences are situated along the ridge west of the Garcia River corridor.

Other agencies whose approval is required (*e.g.,* permits, financing approval, or participation agreement).

- U.S Army Corps of Engineers (ACOE)
- North Coast Regional Water Quality Control Board (RWQCB)
- California Department of Fish and Wildlife (CDFW)
- California Department of Transportation (Caltrans)
- Federal Highway Administration (FHWA)
- U.S. Fish and Wildlife Service (USFWS)
- National Marine Fisheries Service (NMFS)

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	☐ Agriculture Resources	■ Air Quality
■ Biological Resources	■ Cultural Resources	☐ Geology / Soils
■ Hazards & Hazardous Materials	■ Hydrology / Water Quality	☐ Land Use / Planning
☐ Mineral Resources	☐ Noise	☐ Population / Housing
☐ Public Services	☐ Recreation	☐ Transportation / Traffic
■ Utilities / Service Systems	■ Mandatory Findings of Significance	■ Greenhouse Gases

Determination. (To be completed by the Lead Agency.)

On the basis of this initial evaluation:

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

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

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

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

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

_____ _____

Jackson Ford
Environmental Compliance Specialist

Date

2.0 ENVIRONMENTAL EVALUATION

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS				
Would the project:				
a) Have a substantial adverse effect on a scenic vista?	❒	❒	❒	■
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	❒	❒	❒	■
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	❒	❒	■	❒
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	❒	❒	❒	■

Affected Environment

The project site is located along the Garcia River, approximately 5 miles east of the City of Point Arena in southern Mendocino County. The site extends approximately 2,700 feet along Eureka Hill Road just east of its intersection with Garcia River Road. The topography of the project area is relatively flat with an elevation of approximately 120 feet above sea level.

The visual landscape in the project area consists of developed and undeveloped features. Developed areas include the existing roadway and bridge structure and rural residential parcels southwest and northeast of the existing bridge.

With the exception of the developed areas and the Garcia River channel, the project area is largely undeveloped and undisturbed, and supports habitats, such as hills covered with mixed coniferous forest and redwood groves, red alder and willow riparian habitat along the river, and occasional large openings of grasslands along the valley. Rural homes are scattered along the river near the Eureka Hill Road Bridge; most residences are situated along the ridge west of the Garcia River corridor.

Discussion

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

No Impact. The proposed project would seismically retrofit the existing Eureka Hill Road Bridge and rehabilitate the pavement of the approach roadways on both sides of the bridge. The project site is located in a relatively flat area with riparian vegetation associated with the Garcia River, resulting in a limited viewshed. The seismic retrofit would occur within the existing river channel

and under the bridge, primarily out of view from motorists, nearby residents, and recreationists. Pavement rehabilitation work would be at grade and would be visible from the roadway; however, the proposed project would not impair surrounding views, and the proposed project would have no impact on scenic vistas.

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

No Impact. Eureka Hill Road and the Eureka Hill Road Bridge are not part of the California Scenic Highway system and the project site is not located within the vicinity of a State Scenic Highway (Caltrans 2012). The nearest Eligible State Scenic Highway, Highway 1, is located approximately 4.25 miles west of the proposed project site; therefore, the proposed project would not damage scenic resources within a State scenic highway.

c) Substantially degrade the existing visual character or quality of the site and its surroundings?

Less Than Significant Impact. As described above, the project site is relatively flat and most of the proposed improvements would occur within the existing river channel and under the bridge, out of public view. Therefore, the change in visual character resulting from the proposed project would be minimal. Pavement rehabilitation work on the approach roadways on both sides of the bridge would be visible from public vantage points, primarily from motorists traveling along Eureka Hill Road and from adjacent rural residential uses. Proposed improvements would include removal of the existing pavement, replacement of any failed roadway base areas, and placement of new hot mix asphalt pavement. Viewer sensitivity to these visual changes to the roadway paving is expected to be minimal. The seismic retrofits would be constructed on the existing bridge and would not significantly alter the existing viewshed.

The proposed project would require the removal of approximately 13 trees. Three trees would be removed from the west side of the bridge and 10 trees would be removed from the east side of the bridge. No trees greater than 6 inches diameter at breast height (dbh) would be removed for the project. The proposed project area is surrounded by dense riparian vegetation, and the removal of these trees would be slightly noticeable; however, based on the locations from which the trees would be removed (on the roadside of a densely vegetated area), the proposed project would not substantially degrade the existing visual character or quality of the project site and its surroundings. This impact would be less than significant.

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

No Impact. The existing sources of light and glare in the project area consist of vehicle head and taillights and lighting associated with adjacent rural residential uses. The proposed project would include seismic retrofit of the existing bridge structure and pavement rehabilitation of the approach roadways. No new light standards would be installed as part of the proposed project. Seismic retrofit of the bridge structure would not generate any additional traffic; therefore, the proposed project would not have the potential to result in increased light or glare from additional vehicular headlights. The proposed project would not create a new source of substantial light or glare. Therefore, the proposed project would not adversely affect day or nighttime views in the area.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
II. AGRICULTURE AND FORESTRY RESOURCES				
In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. 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 a non-agricultural use?	❑	❑	❑	■
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	❑	❑	■	❑
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))?	❑	❑	❑	■
d) Result in the loss of forest land or conversion of forest land to non-forest use?	❑	❑	❑	■
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 forestland to non-forest use?	❑	❑	❑	■

Affected Environment

The proposed project would be constructed largely within the footprint of the existing bridge. Areas surrounding the project site are classified as "Grazing Land" by the California Department of Conservation Farmland Mapping and Monitoring Program. Grazing land is land on which the existing vegetation is suited to the grazing of livestock. Land north and southeast of the existing bridge is zoned

for rangeland use. APNs 027-331-03-00 (northwest of the existing bridge) and 027-331-12-00 (southeast of the existing bridge) are under Williamson Act Contract, but are designated as Williamson Act Non-Prime according to the County GIS data.

Parcel number 027-331-13-00 is located adjacent to the southwest corner of the existing bridge and has a land use designation of Timber Preserve (FL160) and a zoning designation of Timber Preserve (TP). According to "Lands in Timber Production Zones and Williamson Act Contracts within Mendocino County, October 2011", APN 027-331-13-00 is designated as a timber preserve zone (TPZ).

Discussion

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 a non-agricultural use?

No Impact. No Farmland is mapped on or near the project site. Therefore, the proposed project would not convert Farmland to a non-agricultural use. No impact would occur.

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

Less Than Significant Impact. Lands northwest, northeast and southeast of the project site are zoned for rangeland use. APN 027-331-03-00, located northwest of the existing bridge, is under a Williamson Act Contract Non-Prime. The parcel southwest of the existing bridge is zoned Timber Preserve and is not under a Williamson Act contract. The proposed project would result in temporary impacts to 2.65 acres of land zoned for rangeland use, 0.12 acre of which is under a Williamson Act contract. A total of 0.12 acre of Williamson Act Contract lands equates to less than 0.01 percent of the 486,665 acres of land under Williamson Act contract reported by Mendocino County in 2010 (California Department of Conservation 2013). This impact would be less than significant.

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 parcel southwest of the existing bridge (APN 027-331-13-00) is zoned as Timber Preserve. The proposed project would not result in permanent or temporary impacts to the Timber Preserve land. No impact would occur.

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

No Impact. Please refer to Response II(c) above. No impact 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. Please refer to Responses II(a) and II(c) above. No impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY				
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	❒	❒	■	❒
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	❒	■	❒	❒
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?	❒	■	❒	❒
d) Expose sensitive receptors to substantial pollutant concentrations?	❒	❒	■	❒
e) Create objectionable odors affecting a substantial number of people?	❒	❒	■	❒

Affected Environment

The project site is located within the jurisdiction of the Mendocino County Air Quality Management District (MCAQMD). Within the MCAQMD, ambient air quality standards for ozone, carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter (PM_{10}, $PM_{2.5}$), and lead (Pb) have been set by both the State of California (State) and the federal government. The State has also established standards for sulfate and visibility. The Mendocino County air quality status for 2012 is summarized in Table A.

Table A: Mendocino County Air Quality Attainment Status (2012)

Pollutant	State	Federal
Ozone (8 hour)	Attainment	Unclassified/Attainment
Carbon Monoxide	Attainment	Unclassified/Attainment
Nitrogen Dioxide	Attainment	Unclassified/Attainment
Sulfur Dioxide	Attainment	Unclassified
PM_{10}	Nonattainment	Unclassified
$PM_{2.5}$	Attainment	Unclassified/Attainment

Source: California Environmental Protection Agency, Air Resources Board, 2012.

As shown in Table A, Mendocino County is nonattainment for the State PM_{10} standard (particulate matter less than 10 microns in size). The primary manmade sources of PM_{10} pollution in the area are

wood combustion (woodstoves, fireplaces, and outdoor burning), fugitive dust, automobile traffic, and industry.

Discussion

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

Less Than Significant Impact. An air quality plan describes air pollution control strategies to be implemented by a city, county, or region classified as a nonattainment area. The main purpose of the air quality plan is to bring the area into compliance with the requirements of federal and State air quality standards. The air quality plans use the assumptions and projections of local planning agencies to determine control strategies for regional compliance status. Since the plans are based on local General Plans, projects that are deemed consistent with the applicable General Plan are usually found to be consistent with the air quality plans. The proposed project is consistent with the Mendocino County General Plan (2009) (please refer to Response IX(b)).

The proposed project is a bridge seismic retrofit project and would not result in the generation of additional vehicle trips and is not expected to significantly increase regional vehicle miles traveled (VMT). Construction and modifications associated with the proposed project would be confined to resurfacing and seismic upgrades. As such, the proposed project would not conflict with or obstruct implementation of the applicable air quality plan, and this impact would be less than significant.

b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Less Than Significant with Mitigation Incorporated. The long-term and short-term impacts of the proposed project to air quality are discussed below. Greenhouse gas emissions are discussed in Section VII of this document.

Long-Term (Operational) Emissions. Long-term air emissions impacts are associated with any change in permanent use of the project site by on-site stationary and off-site mobile sources that substantially increase vehicle trip emissions. No stationary sources are associated with the proposed project. As noted in Response III(a), the proposed project would not generate new vehicle trips or significantly increase VMT. Therefore, long-term operation of the proposed project would not contribute substantially to an existing or projected air quality violation.

Short-Term. Air pollutant emissions associated with the proposed project would occur over the short-term in association with construction activities, such as grading and vehicle/equipment use.

Construction activities could generate exhaust emissions from utility engines, on-site heavy duty construction vehicles, equipment hauling materials to and from the site, and motor vehicles transporting construction crews. Exhaust emissions during construction would vary daily as construction activities levels change. The use of construction equipment would result in localized exhaust emissions. Due to the limited extent of development proposed, the projected short-term emissions of criteria pollutants as a result of project construction are expected to be below emissions thresholds.

The use of construction vehicles and equipment during the construction phase would increase air pollutants associated with burning fossil fuel and dust. Construction activities could result in blowing dust, a major cause of increased PM_{10} and $PM_{2.5}$ concentrations, and could contribute to the region's existing particulate matter air quality violation (State nonattainment status for PM_{10}).

In 2005 the MCAQMD mapped "Areas that may contain Naturally Occurring Asbestos" within Mendocino County. The proposed project site is located outside of an area that may contain serpentinite and/or ultramafic rock. Ultramafic rock may contain chrysotile asbestos or other asbestos minerals. Naturally occurring asbestos (NOA) is a human health hazard when airborne. NOA can be released from serpentinite and ultramafic rocks when the rock is broken or crushed causing the asbestos fibers to become airborne. Although not identified as an area that may contain NOA, construction of the proposed project could release dust containing NOA, resulting in potential air quality and human health hazards.

Implementation of the following mitigation measure would reduce dust emissions associated with construction to a less than significant level:

Mitigation Measure AIR-1: The County's project contractor shall prepare a dust control plan for construction activities at the project site pursuant to the requirements of the MCAQMD. The project contractor shall be responsible for ensuring that all adequate dust control measures are implemented in a timely manner during all phases of construction and maintenance activities at the project site. The dust control plan shall include, at a minimum, the following measures:

- The County shall notify the MCAQMD at least 14 days prior to commencing work.
- All visibly dry disturbed soil road surfaces shall be watered to minimize fugitive dust emissions.
- All unpaved surfaces, unless otherwise treated with suitable chemicals or oils, shall have a posted speed limit of 10 miles per hour.
- Earth or other material that has been transported by trucking or earth moving equipment, erosion by water, or other means onto paved streets shall be promptly removed.
- Asphalt, oil, water or suitable chemicals shall be applied on materials stockpiles, and other surfaces that can give rise to airborne dusts.
- All earthmoving activities shall cease when sustained winds exceed 15 miles per hour.
- The operator shall take reasonable precautions to prevent the entry of unauthorized vehicles onto the site during non-work hours.
- The operator shall keep a daily log of activities to control fugitive dust.
- If serpentine rock is found in the area, the presence of asbestos, in the chrysotile or amphibole forms shall be determined, and mitigation on a site-specific basis shall be identified. Construction Plans for this project shall include a note stating: "If serpentine, ultramafic rock or naturally occurring asbestos is discovered during any grading or construction activity, work shall stop immediately and the Mendocino County Air Quality Management District shall be contacted to determine compliance with the approved Airborne Toxic Control Measures for naturally occurring asbestos." In addition, the following measures will be required:
    - All on-site vehicle speeds shall be limited to fifteen (15) miles per hour on unpaved roads. Visible dust crossing the property boundary shall be prohibited;

- Storage piles and disturbed areas not subject to vehicular traffic shall be stabilized by being kept adequately wetted, treated with a chemical dust suppressant, or covered with material that contains less than 0.25 percent asbestos; and
- Activities shall be conducted so that no track-out from any road construction project is visible on any paved roadway open to the public.

Implementation of Mitigation Measure AIR-1 would reduce impacts to a less than significant level.

c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?

Less than Significant with Mitigation Incorporated. As described above in Response III(b), the proposed project would result in temporary increases in air pollutants; these increases would not result in a cumulatively considerable net increase of any air pollutants. Implementation of Mitigation Measure AIR-1, described above, would reduce impacts to a less than significant level.

d) Expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. Sensitive receptors are facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as young children, the elderly, and people with illnesses. The project area is located adjacent to rural residential uses. Construction of the proposed project may expose surrounding land uses to airborne particulates and fugitive dust, as well as a small quantity of pollutants associated with the use of construction equipment (*e.g.,* diesel-fueled vehicles and equipment). Implementation of Mitigation Measure AIR-1 would reduce construction-related emissions to a less than significant level, thereby minimizing possible exposure of sensitive receptors to substantial pollutant concentration. As discussed in Response III(b), the proposed project would not result in long-term air quality impacts. Therefore, nearby sensitive receptors would not be exposed to substantial pollutant concentrations. This impact would be less than significant.

e) Create objectionable odors affecting a substantial number of people?

Less Than Significant Impact. Some objectionable odors may be generated from the operation of diesel-powered construction equipment and/or vehicles during the project construction period. However, these odors would be short-term in nature and would not result in permanent impacts to surrounding land uses, including sensitive receptors in the vicinity of the project site. In addition, odors from construction equipment and vehicles on the project site would be dispersed quickly and would not likely subject sensitive receptors to objectionable odors. Long-term operation of the proposed project would not generate any new vehicle trips; therefore, no permanent odors would result from implementation of the proposed project. Therefore, the proposed project would result in a less than significant impact related to objectionable odors.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES				
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?	❒	■	❒	❒
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	❒	■	❒	❒
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	❒	❒	■	❒
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?	❒	❒	■	❒
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	❒	❒	❒	■
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?	❒	■	❒	❒

Affected Environment

LSA Associates, Inc. prepared a Natural Environment Study (NES, 2014) and Biological Assessment (BA, 2014) for the proposed project. The following summarizes the methods and setting. Results from the analysis were used in addressing the impacts and developing mitigation measures.

For this analysis, the project area consists of the project footprint and lands beyond the footprint that could potentially be affected by project construction and/or required inventory in order to perform an adequate analysis of project impacts (termed "Biological Study Area" or BSA in the NES). The BSA

comprises 18.56 acres and is located along the Garcia River approximately 5 miles east of the City of Point Arena in southern Mendocino County.

A list of federally listed or proposed wildlife and plant species potentially occurring within the BSA was compiled to evaluate potential impacts resulting from project construction. Sources used to compile the list include the California Natural Diversity Data Base (CNDDB 2014), the California Native Plant Society (CNPS) Online Edition (2014), and the U.S. Fish and Wildlife Service, Sacramento Field Office (USFWS 2014) referencing the Eureka Hill, Mallow Pass Creek, Cold Spring, Philo, Point Arena, Zeni Ridge, Saunders Reef, Gualala, and McGuire Ridge 7.5-Minute United States Geologic Survey (USGS) quadrangles. The special status species lists obtained from the CNDDB, CNPS, and USFWS were reviewed to determine which species could potentially occur in the project area.

The BSA lies in the coastal fog belt, a region where winter rains and summer fog provide a persistently moist environment. The area is characterized by forested hills and low mountains, and is punctuated by numerous small streams that flow through the surrounding valleys and canyons into the Garcia River. Vegetation in the region is dominated by mixed conifer forest with pockets of open grasslands and meadows in the valley bottoms.

The majority of the BSA is characterized by diverse vegetation and a high degree of structural complexity, with several layers of vegetation created by a mixture of trees, shrubs, and herbs. This diversity of plant species and vegetative structure, along with the presence of water, provides nesting, shelter, and foraging habitat for a variety of wildlife species. Additionally, the existing bridge provides potential nesting and roosting substrates for bats and several swallow species.

The area surrounding the BSA is largely undeveloped and undisturbed, and supports habitats similar to those in the BSA – hills covered with mixed coniferous forest and redwood groves, red alder and willow riparian habitat along the river, and occasional large openings of grasslands along the valley. Rural homes are scattered along the river near the Eureka Hill Road Bridge; most residences lie along the ridge west of the Garcia River corridor.

With the exception of the developed areas (Eureka Hill Road and the Eureka Hill Road Bridge), the BSA is completely vegetated with a mixture of native plant communities, including Bishop Pine, redwood, red alder, creeping ryegrass, and ruderal vegetation, as shown in Table B.

Table B: Natural Communities and Other Vegetation in the BSA (acres)

Natural Communities	Acres
Bishop Pine Series	5.08
Redwood Series	2.20
Red Alder Series	0.98
California Annual Grassland Series	1.78
Creeping Ryegrass Series	4.74
Riverine	0.43
Subtotal	***15.21***
Other Vegetation Communities	
Ruderal	1.32
Subtotal	***1.32***
Developed	2.03
Total	**18.56**

Source: LSA Associates, 2014

Approximately one-third of the Garcia River watershed is owned by The Conservation Fund, a non-profit group that practices sustainable management and maintains the environmental values of the habitats on their lands. A conservation easement of approximately 24,000 ac is held in the Garcia River watershed by The Nature Conservancy and likely supports varied wildlife and is protected from future development.

The Garcia River conveys perennial flows from south to north through the BSA and empties into the ocean near the Point Arena Lighthouse, approximately 9 river mi downstream of the BSA.

Within the BSA, soils are generally derived from alluvial sandstone and consist of mainly Big River loamy sand along the river course (a deep soil composed primarily of sand and prone to frequent flooding) and Irmulco-Tramway complex is areas above the river (a moderate to deep soil with a moderate rate of infiltration).

Several special status plant and animal species are listed as potentially occurring in the project area. Federally listed species occurring in the BSA and potentially affected by the project include marbled murrelet (*Brachyramphus marmoratus*), northern spotted owl (*Strix occidentalis caurina*), California red-legged frog (*Rana draytonii*) (CRLF), Central California Coast coho salmon (*Oncorhynchus kisutch*) (CCC coho), Northern California Coast steelhead (*Oncorhynchus mykiss*) (NCC steelhead), and California Coastal chinook salmon (*Oncorhynchus tschawytscha*) (CC chinook). The reach of the Garcia River within the BSA is also designated critical habitat for anadromous fish species, and Essential Fish Habitat for Pacific salmon.

Discussion

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. As described above, several special status animal species have the potential to occur in the project area. Impacts to these special status species are described below.

Sonoma Tree Vole. The Sonoma tree vole (*Arborimus pomo*) is a State species of concern; it has no formal federal status. The Sonoma tree vole inhabits Douglas fir, redwood, and montane hardwood-conifer forests from the north coast fog belt near the Oregon border to Sonoma County. This species lives in the tree canopy, generally in large trees, and feeds on the needles, buds, and tender bark of twigs of Douglas fir, grand fir, and western hemlock. Sonoma tree voles probably require fairly dense, mature stands of conifer forest composed of at least some Douglas fir or grand fir. Clear-cuts, forest fires, and other factors that create openings in the forest and isolate blocks of trees are detrimental to tree voles.

The vole is well documented, with 35 occurrences within the search area. Seven occurrences of Sonoma tree vole are located within 5 mi of the BSA. The closest occurrence, dated 2000, is located 0.9 mi northeast of the BSA.

The large trees in the BSA provide suitable cover and foraging habitat for the Sonoma tree vole.

The project would result in permanent and temporary impacts to foraging habitat for the Sonoma tree vole. Permanent impacts to the bishop pine series, totaling 0.013 ac, would result from construction of Abutment 2. Temporary impacts to the bishop pine series, totaling 0.282 ac, would result from temporary access and construction of the temporary work pad.

Implementation of Mitigation Measure BIO-1, described below, would reduce potential impacts to Sonoma tree vole to a less than significant level.

> **Mitigation Measure BIO-1:** The following avoidance and minimization measures shall be implemented to reduce any potential impacts to Sonoma tree vole:
>
> 1. Tree removal shall be limited to the minimum necessary to accomplish bridge rehabilitation, and shall include only riparian and understory growth in the immediate vicinity of the bridge. No trees greater than 6 inches diameter at breast height (dbh) shall be removed for the project.
> 2. Measures shall be implemented to prevent encroachment into adjacent forested areas. All forested lands outside the designated work areas shall be designated as ESAs and clearly indicated as such on project construction plans. Project specifications shall include a requirement that ESAs are clearly delineated with brightly colored fencing, rope or equivalent prior to beginning construction.
> 3. Jackhammers or similar machinery that produces high intensity sounds shall only be used for short duration (less than two hours total) at any given site, and shall only be operated between the hours of 10:00 a.m. and 4:00 p.m. No blasting shall be permitted.

4. All work shall be performed during daylight hours. No nighttime operations or use of staging lights shall be allowed.

Townsend's Big-Eared Bat. Bats are nocturnal and are found in a variety of habitats. Many species forage over water; some also hunt over shrubs or meadows, within trees, and along forest edges. Some species have separate roosts for day, night, maternal, and hibernation use, whereas some species may use the same roost for more than one purpose. Bats roost in a variety of crevices, cavities, and protected sites; roosting sites may include bridges, buildings, cliff crevices, caves, mines, and trees. Multiple species often roost together.

Townsend's big eared bat (*Corynorhinus townsendii*) is widely distributed in North America and occurs in a variety of habitats from sea level to about 10,000 ft elevation. It roosts in colonies and prefers cave-like habitat but has also been reported to utilize buildings, bridges, rock crevices and hollow trees as roost sites. Foraging habitat includes edges along streams adjacent to and within a variety of wooded habitats, in addition to open areas such as pastures.

One record for Townsend's big eared bat is located within the CNDDB nine-quad search area. The occurrence, dated 1966, is located approximately 9 miles southeast of the BSA.

The existing bridge provides potential night roosting habitat for the Townsend's big eared bat; however, no bats or sign of bats (e.g. urine staining, guano) were observed during the site survey. Consequently, it is unlikely that bats are using the bridge as a night roost. The river corridor provides suitable foraging habitat and this species may forage in the BSA.

Implementation of Mitigation Measure BIO-2, described below, would reduce potential impacts to Townsend's big-eared bat to a less than significant level.

Mitigation Measure BIO-2: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to foraging Townsend's big-eared bat:

1. The seismic retrofits shall not modify potential night roost habitat on the existing bridge for foraging Townsend's big eared bats.
2. All work shall be conducted during daylight hours.

Marbled Murrelet. The marbled murrelet (*Brachyramphus marmoratus*) is federally listed as threatened. The murrelet is a small seabird that spends most of its life in the near-shore marine environment. It returns inland to nest and roost, primarily within the marine fog belt region near the coast. Habitats used for nesting and roosting are typically low-elevation old growth or mature forests, or other forest types containing remnant large trees. A variety of tree species are used, including coast redwood, Douglas fir, western red cedar, western hemlock and Sitka spruce. Most nesting areas are within 25 mi of the coast; the farthest inland that nests have been found range from 35-50 mi from shore. The nesting range of the species extends to central California (Monterey Bay), though some birds winter in southern California. The nesting season for marbled murrelet is March 24 – September 15; peak activity occurs from mid-June to late July in California. This species forages in marine waters during the day and returns to the nest at dusk.

Although there are no CNDDB records for marbled murrelets in Mendocino County, offshore sightings indicate that murrelets are nesting in the County. Based on surveys conducted between 1998-2010 for the Mendocino Redwood Company Habitat Conservation Plan/Natural Communities Conservation Plan (HCP/NCCP), the BSA is located in or very close to a "Murrelet Protection Zone" and the area is designated as "high likelihood of occurrence."

The eastern banks of the Garcia River support a small stand of redwoods that could be utilized by this species for nesting and roosting. Suitable nest trees (generally > 32 inches diameter at breast height [dbh]) are present. Murrelets may also utilize Eureka Hill Road and the Garcia River as movement corridors between the coast and nest sites, resting in small patches of old growth forest.

Marbled murrelet would have the potential to be impacted by the project if they are present during project construction and staging. The proposed project would result in temporary impacts to 0.67 ac of redwood series understory (no trees would be removed) as a result of project staging on the northeast side of the Eureka Hill Road Bridge. Temporary impacts to 0.67 ac of redwood series understory would have the potential to impact marbled murrelet.

Implementation of Mitigation Measure BIO-3, described below, would reduce potential impacts to marbled murrelet to a less than significant level.

Mitigation Measure BIO-3: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to marbled murrelet:

1. To minimize disturbance during the more critical early part of the marbled murrelet breeding season, work occurring before June 15 shall not be located within 300 ft of suitable nesting habitat.
2. During the marbled murrelet nesting period, March 24-September 15, all work involving loud equipment (e.g., jackhammers or similar machinery that produces high intensity sounds) shall only be used for short duration (less than 2 hours total) and shall only be operated between the hours of 10:00 am and 4:00 pm, when murrelets are less likely to be in the project area. No blasting shall be permitted.
3. If an active murrelet nest is discovered in the vicinity of the project area, work shall be deferred until the end of the nesting season (September 15) or until a qualified biologist confirms that the young have fledged or are otherwise no longer present.
4. No potential marbled murrelet nest trees shall be removed. Tree removal shall be limited to the minimum necessary to accomplish bridge rehabilitation, and shall include only riparian and understory growth in the immediate vicinity of the bridge. No trees greater than 6 inches dbh shall be removed for the project.
5. Measures shall be implemented to prevent encroachment into adjacent forested areas. All forested lands outside the designated work areas shall be designated as Environmentally Sensitive Areas (ESAs) and clearly indicated as such on project construction plans. Project specifications shall include a requirement that ESAs are clearly delineated with brightly colored fencing, rope or equivalent prior to beginning construction.

6. All work shall be performed during daylight hours. No nighttime operations or use of staging lights shall be allowed.

Northern Spotted Owl. The northern spotted owl (*Strix occidentalis caurina*) is federally listed as threatened. This northern spotted owl is an uncommon, permanent resident of heavily forested areas, preferring old growth forest or mixed stands of old growth and mature trees with multi-storied, high canopy cover. Douglas fir, mixed conifer, and coast redwood forest are the most commonly used habitat types in California. Northern spotted owls will also use younger forests with characteristics (*e.g.,* multistoried canopy, dense cover) of old growth habitat. Northern spotted owls occur in the coast ranges of Washington, Oregon, and California from southwestern British Columbia south to San Francisco Bay.

No records of northern spotted owl are located within a 10-mile radius of the BSA. However, northern spotted owl are known to occur in the vicinity and suitable habitat is present in the redwood community in the BSA. Though this species was not observed during the site visit, it could be present in the BSA.

Northern spotted owl would have the potential to be impacted by the proposed project if they are present during project construction and staging. The proposed project would result in temporary impacts to 0.67 ac of redwood series as a result of project staging on the northeast side of the Eureka Hill Road Bridge. Temporary impacts of 0.67 ac to the redwood series would have the potential to result in impacts to northern spotted owl.

Implementation of Mitigation Measure BIO-4, described below, would reduce potential impacts to northern spotted owl to a less than significant level.

Mitigation Measure BIO-4: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to northern spotted owl:

1. To minimize disturbance during the more critical early part of the northern spotted owl breeding season, work occurring before June 15 shall not be located within 300 ft of suitable nesting habitat.
2. Jackhammers or similar machinery that produce high intensity sounds shall only be used for short duration (less than two hours total) and shall only be operated between the hours of 10:00 a.m. and 4:00 p.m. No blasting shall be permitted.
3. If an active northern spotted owl nest is discovered in the vicinity of the project, work shall be deferred until the end of the nesting season (September 15) or until a qualified biologist confirms that the young have fledged or are otherwise no longer present.
4. No suitable northern spotted owl nest trees shall be removed. Tree removal shall be limited to the minimum necessary to accomplish bridge rehabilitation, and shall include only riparian and understory growth in the immediate vicinity of the bridge. No trees greater than 6 inches dbh shall be removed for the project.
5. Measures shall be implemented to prevent encroachment into adjacent forested areas. All forested lands outside the designated work areas shall be designated as ESAs and clearly

indicated as such on project construction plans. Project specifications shall include a requirement that ESAs are clearly delineated with brightly colored fencing, rope or equivalent prior to beginning construction.

6. All work shall be performed during daylight hours. No nighttime operations or use of staging lights shall be allowed.

Foothill Yellow-Legged Frog. The foothill yellow legged frog (FYLF) (Rana boylii) is a state species of concern and has no federal status. FYLF is a highly aquatic frog and is rarely found far from permanent water. These frogs inhabit rocky streams or rivers with rocky substrates in forests, chaparral, and woodlands, from sea level to 6,300 ft.

FYLF have high site fidelity and generally lay eggs in the same area each year. Breeding and egg-laying occur in mid-March to May, and tadpoles need three to four months in the water to complete their aquatic development. Newly metamorphosed frogs typically migrate upstream from the hatching site.

Newly-metamorphosed frogs have a length of about 1 in from snout to vent, and juveniles can reach a length of up to 1.5 in. Adults range from 1.5 to 2.5 in. At maximum adult size, females are larger than males and can be 3.5 in long. Data on longevity of FYLF is scarce; based on a captured female and studies of other ranid frogs; life expectancy of FYLF in the wild is three years or more.

Multiple juvenile FYLF were observed southeast of the bridge during the June visit. A total of five CNDDB record occurrences are located within the search area for FYLF. The closest record, dated 1971, is located approximately 7 mi northeast of the BSA.

Garcia River and the intermittent stream south of Eureka Hill Road provide suitable breeding and migrating habitat for FYLF.

The Garcia River within the BSA provides suitable aquatic breeding and non-breeding habitat for FYLF during the summer months when river flows are at their lowest.

The project could directly affect FYLF if this species occurs in the work area during construction. A total of 0.03 ac of aquatic habitat (i.e., riverine) in the Garcia River would be permanently impacted during placement of column casings to the pier columns and top mats to the pier foundations. In addition, 0.01 ac of upland habitat (i.e., riparian vegetation) would be removed.

The project would also result in temporary effects to FYLF aquatic habitat and upland habitat during construction of the temporary access road on the north side of the bridge, installation of the temporary work pad, and work at the pier foundations below original grade of the river. These activities would result in temporary effects to 0.20 ac of riverine habitat and 0.28 ac of riparian vegetation in the Garcia River.

Implementation of Mitigation Measure BIO-5, described below under the California red-legged frog section, would reduce potential impacts to FYLF to a less than significant level.

California Red-Legged Frog. The California red-legged frog (CRLF) is federally listed as threatened. The CRLF inhabits lowlands and foothills in or near permanent sources of water. This frog prefers ponds, creeks, or marshes with extensive shoreline vegetation. Intermittent streams provide suitable habitat if some surface water remains through the summer. Breeding generally occurs in ponds or stream pools that contain water through late summer and support dense, shrubby, or emergent vegetation such as overhanging willows intermixed with cattails. However, breeding habitat can be varied and may include sag ponds, lagoons, stock ponds and backwaters within streams and creeks.

CRLF use upland areas and riparian vegetation for resting, feeding, dispersal, and estivation. Riparian areas can meet all of these needs; the scope of upland habitat use is not well-understood. CRLF may spend considerable time in suitable upland areas during the summer dry period. They may use a variety of places for estivation, including small mammal burrows, cracks at the bottom of a dry pond, spaces under boulders, rocks, and downed trees, and agricultural features such as drains, watering troughs, and abandoned sheds. Dispersal may occur across varying topography and vegetation type, and during winter rain events CRLF may travel up to 2 miles between water sources. Use of upland and riparian areas is most likely dependent on a number of factors, such as climatic conditions, habitat suitability, and life stage.

The CNDDB includes five records of CRLF between 5 and 10 miles from the BSA. The closest records are from 1998 and are approximately 5 miles northwest of the BSA in small stream tributaries to the Garcia River.

Seasonal high flows in the Garcia River likely rearrange the sand and cobble riverbed on a regular basis; a substrate that shifts in such a manner is not ideal egg-laying habitat for CRLF. Though they tolerate swift flows, they are generally found in water channels with lower volume than the Garcia River, with a more permanent bed. However, CRLF are potentially present in the vicinity and could migrate through the BSA, based on species range, species records, and presence or absence of habitat within and near the BSA. However, CRLF are not likely to either breed or estivate within the BSA.

The BSA does not provide suitable habitat for CRLF and the only CRLF likely to occur within the BSA are migrating individuals. Construction activities within the proposed project area have the potential to result in impacts to migrating CRLF.

Implementation of Mitigation Measure BIO-5 would reduce potential impacts to CRLF to a less than significant level.

> **Mitigation Measure BIO-5:** The following avoidance and minimization measures shall be implemented to reduce any potential impacts to CRLF. Minimization measures are consistent with the programmatic letter of concurrence signed by the USFWS on April 9, 2014:
>
> 1. A qualified biologist (i.e., certified by the USFWS) shall conduct Worker Environmental Awareness Training for the construction workers prior to the start of construction activities. Awareness training shall include a brief review of the biology of the CRLF and guidelines that must be followed by all construction personnel to avoid take of CRLF.

2. The qualified biologist shall appoint a biological monitor (e.g., the crew foreman) who shall be responsible for ensuring that all crewmembers comply with the guidelines. Awareness Training shall be conducted for new personnel before they can participate in construction activities. The qualified biologist shall notify the Resident Engineer who shall address any work stoppage, and the USFWS shall be contacted if a CRLF at any life stage (i.e., adults, sub-adults, tadpoles, eggs) is encountered during project activities.
3. Within 24 hours prior to the onset of ground disturbance activities, the qualified biologist shall survey the project area for all life stages of the CRLF. Surveys must be conducted immediately prior to ground-disturbing activities to lower the probability of one or more adult or sub-adult frogs moving into or laying eggs within the project area after a survey has already been conducted.
4. If CRLF (including eggs and tadpoles) are encountered at any time during project activities, construction activities shall cease in the area and the USFWS shall be notified to determine how to proceed.
5. Water pumps shall be screened with wire mesh screens no larger than 0.2 inch to prevent CRLF tadpoles, sub-adults, and adults from entering the pump system. Although pre-activity surveys may have detected no CRLF, this measure is to ensure that frogs that were missed during the survey are not harmed or killed by water pumps.
6. All food-related trash shall be disposed of in closed containers and removed from the project area at least twice per week during the construction period. Food may attract frog predators such as raccoons to the action area.
7. The contractor shall implement a toxic materials control and spill response plan. Equipment refueling shall only occur at staging areas where fuel will not enter the floodplain.
8. All vegetation removal activities shall be conducted with the use of hand tools only (including chainsaws).
9. The number of access routes, numbers and sizes of staging areas, and the total area of the activity shall be limited to the minimum necessary to achieve the project goal. Routes and boundaries shall be clearly demarcated.

In addition to the measures from the programmatic letter of concurrence, the following measure shall also be implemented:

10. The project site shall be revegetated with an assemblage of native riparian, wetland, and upland vegetation suitable for the area. Locally collected plant materials shall be used to the extent practicable. Invasive, exotic plants shall be controlled to the maximum extent practicable. This measure shall be implemented in all areas disturbed by activities associated with the project, unless the USFWS and the County determine that it is not feasible or practical. Following project completion, all fill slopes, temporary impact and/or otherwise disturbed areas shall be restored to preconstruction contours (if necessary) and revegetated with a native seed mix specified in Table C. Invasive exotic plants shall also be controlled to the maximum extent practicable.

Table C: Native Seed Mix

Scientific Name	Common Name	Rate (Lbs./Acre)	Minimum Percent Germination
Artemisia douglasiana	Mugwort	2.0	50
Bromus carinatus carinatus	California brome	5.0	85
Elymus trachycaulus	Slender wheatgrass	2.0	60
Elymus X triticum	Regreen	10.0	80
Eschscholzia californica	California poppy	2.0	70
Hordeum brachyantherum	California barley	2.0	80
Lupinus bicolor	Bicolored lupine	4.0	80

Source: LSA Associates, 2014

Central California Coast Coho Salmon. The Central California Coast coho salmon (*Oncorhynchus kisutch*) (CCC coho) Evolutionary Significant Unit (ESU) is federally listed as endangered. Coho salmon are anadromous fish that spend part of their life cycle in freshwater and part in salt water. Coho salmon, like other anadromous fish species, spawn in small, freshwater streams where the young remain from one to several years before migrating to the ocean to feed and grow. Adults return to their natal streams to spawn and complete their life cycle. The range of the CCC coho ESU extends from Punta Gorda King Range National Conservation Area in Humboldt County to the San Lorenzo River in Santa Cruz County.

CCC coho are known to occur in the reach of the Garcia River within the BSA (CalFish 2013). This species occurs within the Garcia River upstream of the proposed project area and within several significant tributaries. The reach of the Garcia River within the BSA is suitable spawning habitat for CCC coho and provides suitable migration and natal rearing habitat.

Critical habitat was designated for CCC coho on September 2, 2005. The reach of the Garcia River within the BSA is within critical habitat for CCC coho.

CCC coho could be directly affected if present during dewatering activities. Dewatering activities could include capture and relocation of any salmon present in the area to be dewatered.

The proposed project would have the potential to result in permanent impacts to CCC coho through loss of suitable spawning habitat during placement of column casings to the bent columns and top mats to the bent foundations. A total of 0.03 ac of riverine habitat in the Garcia River would be permanently impacted. In addition, 0.01 ac of riparian vegetation would be removed.

The proposed project would also result in temporary effects to CCC coho habitat (i.e., riverine and riparian areas) during construction of the temporary access road on the north side of the bridge and the temporary work pad. The temporary access road on the north side of the bridge and the temporary work pad would result in temporary effects to 0.20 ac of riverine habitat and 0.28 ac of riparian vegetation in the Garcia River. Impacts to riparian vegetation and habitat would have the potential to result in impacts to CCC coho salmon.

The proposed project would have the potential to result in the relocation of a high number of salmonids due to dewatering activities. Compensatory mitigation is proposed for potentially large numbers of endangered salmonids that may be affected during the dewatering process.

Implementation of Mitigation Measure BIO-6 would reduce potential impacts to Central California Coast coho salmon to a less than significant level.

Mitigation Measure BIO-6: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to Central California Coast coho salmon:

1. Work in the live channel of the Garcia River (consisting of construction of the temporary work pad, implementation of footing retrofits at pier 2, and installation of column casings to the bent columns and top mats to the bent foundations) shall be limited to the period of June 15 through October 15. If any work within the live channel of the Garcia River is not completed by October 15, a written approval/extension must be obtained from the NMFS to allow work past October 15. Revegetation activities are excluded from this requirement with the stipulation that no heavy equipment shall be used in the channel.
2. Prior to project implementation, a NMFS-approved biologist shall instruct all construction personnel and monitoring biologists of the terms and conditions being implemented to protect anadromous fish during construction. The biological monitor shall have the full authority to halt work as necessary for the purpose of minimizing adverse effects on anadromous fish.
3. The work area shall be dewatered prior to installation of the temporary work pad. Dewatering shall be accomplished by funneling flows with clean plastic sheeting and gravel through temporary culverts; temporary culverts shall remain in place during in-channel construction to maintain fish passage and bypass flows through the work area.
4. Fish shall be captured and relocated and excluded from the work area with block nets prior to dewatering activities. All captured fish shall be kept in cool, shaded, aerated water protected from excessive noise, jostling, or overcrowding any time they are not in the stream and fish shall not be removed from this water except when released. To avoid predation, the biologist shall have at least two containers and segregate young-of-year fish from larger age-classes and other potential aquatic predators. Captured salmonids shall be relocated, as soon as possible, to a suitable instream location in which habitat conditions are present to allow for survival of transported fish and fish already present. Capture and relocation activities shall be conducted by a NMFS-approved biologist.
5. Gravel used for the temporary work pads shall consist of 1-inch to 4-inch diameter uncrushed, washed and rounded river rock (also known as spawning gravel).
6. During implementation of the seismic improvements, the temporary work pad shall prevent any debris from falling into the Garcia River.
7. ESAs shall be established at the edges of the temporary access routes within the riparian corridor and around a portion of the temporary work pad within the river to prevent encroachment into adjacent natural areas. ESA limits shall be marked using orange snow

fencing or equivalent, and shall remain in place and maintained in good condition until construction is complete.

8. Use of non-toxic vegetable-based hydraulic fluid shall be required for all equipment operated below the ordinary high water mark.
9. Measures consistent with the current Caltrans' Construction Site BMP Manual (including the SWPPP and WPCP Manuals) shall be implemented to minimize effects to the Garcia River from erosion, siltation, etc. during construction.
10. A SWPPP shall be prepared by the contractor in accordance with typical provisions associated with a Regional General Permit for Construction Activities (on file with the North Coast Regional Water Quality Control Board). The SWPPP shall contain a Spill Response Plan with instructions and procedures for reporting spills, the use and location of spill containment equipment, and the use and location of spill collection materials.
11. All upland areas temporarily impacted during project construction shall be restored to pre-construction contours and revegetated with native species as specified in Table C.
12. All construction shall be conducted during daylight hours.
13. Large woody debris shall be embedded downstream of the bridge within the BSA in an effort to enhance existing salmonid habitat at the site. Woody debris utilized shall come from within the Garcia River watershed.

Northern California Coast Steelhead DPS. The Northern California Coast steelhead (*Oncorhynchus mykiss*) (NCC steelhead) Distinct Population Segment (DPS) is federally listed as threatened. Steelhead are anadromous fish that spend part of their life cycle in freshwater and part in salt water. Spawning occurs in small, freshwater streams where the young remain from one to several years before migrating to the ocean to feed and grow. Adults return to their natal streams to spawn and complete their life cycle. Steelhead require clean, cold, well-oxygenated streams for spawning. Spawning streams must have a substrate of gravel or small cobble to provide safe incubation sites for the eggs. The range of the NCC steelhead DPS extends from the Redwood Creek in Humboldt County south to the Russian River in Sonoma County. NCC steelhead exhibit both winter and summer runs within their range.

NCC steelhead (winter-run) are known to occur in the reach of the Garcia River within the BSA (CalFish 2013); the BSA is located south of the range of the summer-run. This species occurs within the Garcia River upstream of the project and within several significant tributaries. The reach of the Garcia River within the BSA is suitable spawning habitat for NCC steelhead, and provides suitable migration and natal rearing habitat.

Critical habitat was designated for NCC steelhead on September 2, 2005. The reach of the Garcia River within the BSA is within critical habitat for NCC steelhead.

The proposed project would have the potential to result in permanent impacts to NCC steelhead through loss of suitable spawning habitat during placement of column casings to the bent columns and top mats to the bent foundations. A total of 0.03 ac of riverine habitat in the Garcia River would be permanently impacted. In addition, 0.01 ac of riparian vegetation would be removed.

The proposed project would also result in temporary effects to NCC steelhead habitat (i.e., riverine and riparian areas) during construction of the temporary access road on the north side of the bridge and the temporary work pad. The temporary access road on the north side of the bridge and the temporary work pad would result in temporary effects to 0.20 ac of riverine habitat and 0.28 ac of riparian vegetation in the Garcia River. Impacts to riparian vegetation and habitat would have the potential to result in impacts to NCC steelhead.

Project impacts to NCC steelhead would be the same as described above for CCC coho. Implementation of Mitigation Measure BIO-6 would reduce potential impacts to Northern California Coast steelhead DPS to a less than significant level.

California Coastal Chinook Salmon ESU. The California Coastal chinook salmon (*Oncorhynchus tschawytscha*) (CC chinook) ESU is federally listed as threatened. The range of the CC chinook ESU includes all naturally spawned populations of Chinook salmon from rivers and streams south of the Klamath River to the West Fork Russian River, California, as well as seven artificial propagation programs: the Humboldt Fish Action Council (Freshwater Creek), Yager Creek, Redwood Creek, Hollow Tree, Van Arsdale Fish Station, Mattole Salmon Group, and Mad River Hatchery fall-run Chinook hatchery programs.

CC chinook are known to occur in the reach of the Garcia River within the BSA (CalFish 2013). This species occurs within the Garcia River upstream of the project and within several significant tributaries. The reach of the Garcia River within the BSA is suitable spawning habitat for CC chinook and provides suitable migration and natal rearing habitat.

Critical habitat was designated for CC chinook on September 2, 2005. The reach of the Garcia River within the BSA is within critical habitat for CC chinook. Impacts to riparian vegetation and habitat would have the potential to result in impacts to CC Chinook.

Project impacts to CC Chinook would be the same as described above for CCC coho and NCC steelhead. Implementation of Mitigation Measure BIO-6 described above, would reduce potential impacts to CC Chinook to a less than significant level.

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

Less Than Significant With Mitigation Incorporated. The riverine community supported within the BSA is designated as Essential Fish Habitat (EFH) and is protected by the Magnuson-Stevens Fishery Conservation and Management Act. The riverine community includes waters of the U.S., which are regulated by the U.S. Army Corps of Engineers and RWQCB pursuant to Sections 404 and 401, respectively, of the Clean Water Act. Impacts to this sensitive community are described below.

Riverine

The riverine community includes the mostly unvegetated areas of the active channel of the Garcia River. The active channel includes both the low-flow channel and the adjacent gravel bar areas,

totaling 0.43 ac. Vegetation within the riverine community is limited to a few sparse bands of seedling/sapling white alder and other riparian trees that occur along the low-flow channel.

The proposed project would result in permanent loss of suitable spawning habitat during placement of column casings to the bent columns and top mats to the bent foundations. A total of 0.03 ac of riverine habitat in the Garcia River would be permanently impacted. In addition, 0.01 ac of riparian vegetation would be removed.

The proposed project would also result in temporary impacts to Pacific salmon EFH (i.e., riverine and riparian areas) during construction of the temporary access road on the north side of the bridge and the temporary work pad. The temporary access road on the north side of the bridge and the temporary work pad would result in temporary impacts to 0.20 ac of riverine habitat and 0.28 ac of riparian vegetation in the Garcia River. The proposed project would have the potential to result in temporary impacts to riverine habitat, riparian vegetation, and Pacific salmon EFH.

Implementation of Mitigation Measure BIO-7 would reduce potential impacts to the river community and EFH to a less than significant level.

Mitigation Measure BIO-7: The following conservation measures shall be implemented to minimize potential adverse effects on EFH:

1. Gravel used for the temporary work pads shall consist of 1-inch to 4-inches diameter uncrushed, washed and rounded river rock (also known as spawning gravel).
2. During implementation of the seismic improvements, the temporary work pad shall serve to prevent any debris from falling into the Garcia River.
3. ESAs shall be established at the edges of the temporary access routes within the riparian corridor to prevent encroachment into adjacent vegetation. ESA limits shall be marked using orange snow fencing or equivalent, and shall remain in place and maintained in good condition until construction is complete.
4. Measures consistent with the current Caltrans' Construction Site BMP Manual (including the SWPPP and WPCP Manuals) shall be implemented to minimize effects to the Garcia River from erosion, siltation, etc. during construction.
5. A SWPPP shall be prepared by the contractor in accordance with typical provisions associated with a Regional General Permit for Construction Activities (on file with the North Coast Regional Water Quality Control Board). The SWPPP shall contain a Spill Response Plan with instructions and procedures for reporting spills, the use and location of spill containment equipment, and the use and location of spill collection materials.
6. Use of non-toxic vegetable-based hydraulic fluid shall be required for all equipment operated below the ordinary high water mark.
7. All upland areas temporarily impacted during project construction shall be restored to pre-construction contours and revegetated with native species as specified in Table C.

c) *Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?*

Less Than Significant. Waters of the U.S. within the BSA are limited to the reach of the Garcia River and total 0.98 ac. A total of 0.15 ac of wetlands are located within the BSA.

Table D: Potential Jurisdictional Waters in the BSA (acres)

Features	Area
Waters of the U.S.	
Wetlands	0.15
Non-Wetland Waters	0.98
Total Waters of the U.S.	**1.14**
Total CDFW 1602 Waters	**1.50**

Source: LSA Associates, 2014

The proposed project would result in both permanent and temporary impacts to non-wetland waters of the U.S. Permanent impacts, totaling 0.03 ac, would occur as a result of placement of column casings to the pier columns and top mats to pier foundations. Temporary impacts, totaling 0.28 ac, would occur as a result of the construction of the temporary access road on the north side of the bridge, installation of the temporary work pad, and work at the pier foundations below the original grade of the river. Impacts to water of the U.S. and CDFW 1602 waters are shown in Table E.

Table E: Impacts to Waters of the U.S. and CDFW 1602 Waters (acres)

Type	**Permanent**	**Temporary**
Wetlands	0.0004	0.037
Non-wetland Waters	0.047	0.376
Total	0.0474	0.413
CDFG 1602 Waters[1]	0.050	0.463

Source: LSA Associates, 2014

The waters of the U.S. in the Garcia River that would be affected by the project are regulated by the ACOE under Section 404 of the CWA. It is expected the proposed discharge into the Garcia River during project construction can be authorized by the ACOE using Nationwide Permit (NWP) 14 – Linear Transportation Projects. In accordance with the conditions of NWP 14, a

[1] CDFG 1602 Waters include all waters of the U.S. in addition to riparian areas.

Preconstruction Notification must be submitted to the ACOE for verification that the proposed discharges comply with the conditions of the subject NWP's.

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. Wildlife movement corridors are linear habitats that function to connect two or more areas of significant wildlife habitat. These corridors may function on a local level as links between small habitat patches (*e.g.,* streams in urban settings) or may provide critical connections between regionally significant habitats (*e.g.,* deer movement corridors). Wildlife corridors typically include vegetation and topography that facilitate the movements of wild animals from one area of suitable habitat to another in order to fulfill foraging, breeding, and territorial needs. These corridors often provide cover and protection from predators that may be lacking in surrounding habitats. Wildlife corridors generally include riparian zones and similar linear expanses of contiguous habitat.

No major migration routes or established movement corridors for terrestrial wildlife are located within the BSA, although terrestrial species move along the river corridor. The Garcia River is a known migration corridor for anadromous salmonids.

Seismic retrofit of the existing bridge would not interfere with any movement corridors or the movement of any native resident or migratory fish or wildlife species, except potentially anadromous salmonids. Implementation of Mitigation Measure BIO-6 would reduce these impacts to a less than significant level.

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

No Impact. Seismic retrofit of the bridge would not conflict with any ordinances, plans or policies protecting biological resources. No impact would occur.

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?

Less Than Significant with Mitigation Incorporated. Based on surveys conducted from 1998-2010 for the Mendocino Redwood Company Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP), the BSA is located in or very close to a "Murrelet Protection Zone" and the area is designated as "high likelihood of occurrence". Implementation of Mitigation Measure BIO-3 would reduce potential impacts to the marbled murrelet. Therefore, with implementation of Mitigation Measure BIO-3, the project would not conflict with the provisions of the HCP/NCCP.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES				
Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?	❒	■	❒	❒
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to 15064.5?	❒	■	❒	❒
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	❒	■	❒	❒
d) Disturb any human remains, including those interred outside of formal cemeteries?	❒	■	❒	❒

Affected Environment

A Historic Property Survey Report and Archaeological Survey Report (2014) were completed by LSA for the proposed project (see Appendix A). These studies consisted of background research, consultation with potentially interested parties, and a field survey. The information for the following section was based on these studies.

Cultural Resources. Eureka Hill Road Bridge over the Garcia River is a two-lane four-span, 320-foot long by 22-foot 8-inch wide, structure built by the U.S. Army Corps of Engineers in 1969. The *Statewide Historic Bridge Inventory Updated of 2011* (Caltrans 2011) identified this bridge (No. 10C-0034) as a Category 5 ("not eligible for the National Register of Historic Places").

No archaeological resources were identified during the field survey or by the records search conducted for the survey area. The archaeological sensitivity assessment identifies low sensitivity for encountering prehistoric archaeological deposits and low sensitivity for encountering historic-period archaeological deposits within the Area of Potential Effects.

Archaeological Sensitivity. Neither the records search nor the literature review indicated recorded or otherwise identified archaeological sites or ethnographic villages within or adjacent to the project area. Based on the results of the archaeological survey, geomorphology, and soil information, the project area has low sensitivity for buried prehistoric archaeological deposits.

Discussion

a) Cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?

Less Than Significant with Mitigation Incorporated. As described above, no archaeological resources were identified during the field survey or by the records search conducted for the survey area.

It is possible that previously unknown buried archaeological deposits could be discovered during grading and excavation work associated with construction. Prehistoric materials can include flaked-stone tools (*e.g.,* projectile points, knives, choppers) or obsidian, chert, basalt, or quartzite tool making debris; bone tools; culturally darkened soil (i.e., midden soil often containing heat-affected rock, ash and charcoal, shellfish remains, faunal bones, and cultural materials); and stone milling equipment (*e.g.,* mortars, pestles, handstones). Prehistoric archaeological sites often contain human remains. Historical materials can include wood, stone, concrete, or adobe footings, walls and other structural remains; debris-filled wells or privies; and deposits of wood, glass, ceramics, metal, and other refuse. Implementation of the following mitigation measure would reduce impacts to previously undiscovered resources to a less than significant level.

Mitigation Measure CULT-1: If deposits of prehistoric or historical archaeological materials are discovered during non-monitored project activities, all work within 25 feet of the discovery shall be redirected and a qualified archaeologist contacted, if one is not present, to assess the situation, consulted with agencies as appropriate, and make recommendations for the treatment of the discovery. Mendocino County Department of Transportation shall also be notified. Project personnel shall not collect or move any archaeological materials.

Adverse effects to the finds shall be avoided by project activities. If avoidance is not feasible, the archaeological deposits shall be evaluated to determine if they qualify as a historical resource or unique archaeological resource, or as historic property. If the deposits do not so qualify, avoidance is not necessary. If the deposits do so qualify, adverse effects on the deposits shall be avoided, or such effects shall be mitigated. Mitigation may consist of, but is not limited to, recovery and analysis of the archaeological deposit; recording the resource; preparing a report of findings; and accessioning recovered archaeological materials at an appropriate curation facility. Educational public outreach may also be appropriate.

Upon completion of the assessment, the archaeologist shall prepare a report documenting the methods and results, and provide recommendations for the treatment of the archaeological deposits discovered. The report shall be submitted to the Mendocino County Department of Transportation.

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

Less Than Significant with Mitigation Incorporated. No archaeological resources, as defined by §21083.2, have been identified in the proposed project area. Archaeological resources are not anticipated to be discovered during project activities. If, however, such resources are discovered, implementation of Mitigation Measure CULT-1 described above, would reduce potential impacts to a less than significant level.

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

Less Than Significant with Mitigation Incorporated. No paleontological resources are known to exist within the APE. However, should paleontological resources be discovered during project

construction, implementation of the following mitigation measure would reduce potential impacts to paleontological resources to a less than significant level:

> **Mitigation Measure CULT-2:** If paleontological resources are encountered during project subsurface construction and no monitor is present, all ground-disturbing activities shall be redirected within 50 feet of the find until a qualified paleontologist can be contacted to evaluate the find and make recommendations. If found to be significant and project activities cannot avoid the paleontological resources, a paleontological evaluation and monitoring plan, as described above, shall be implemented. Adverse effects to paleontological resources shall be mitigated. Mitigation may include monitoring, data recovery and analysis, a final report, and the accession of all fossil material to a paleontological repository. Upon completion of project ground-disturbing activities, a report documenting methods, findings, and recommendations shall be prepared and submitted to the paleontological repository.

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

Less Than Significant with Mitigation Incorporated. No human remains are known to exist within the project area. Section 7050.5 of the California Health and Safety Code states that in the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the Mendocino County Coroner has determined whether or not the remains are subject to the coroner's authority. Conditions within the project area do not suggest that human remains are present within the proposed project site. Implementation of the following mitigation measure would ensure that potential impacts to human remains, should they be encountered, would be reduced to a less than significant level.

> **Mitigation Measure CULT-3:** In the event that human remains are encountered, work within 50 feet of the discovery shall be redirected and the County Coroner notified immediately. At the same time, a qualified archaeologist shall be contacted to assess the situation and consult with agencies as appropriate. Project personnel shall not collect or move any human remains and associated materials. If the human remains are of Native American origin, the Coroner shall notify the Native American Heritage Commission within 24 hours of this identification. The Native American Heritage Commission shall identify a Most Likely Descendant (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods. Upon completion of the assessment, the archaeologist shall prepare a report documenting the methods and results, and provide recommendations for the treatment of the human remains and any associated cultural materials, as appropriate and in coordination with the recommendations of the MLD. The report shall be submitted to the Mendocino County Department of Transportation.

VI. GEOLOGY AND SOILS

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Expose people or structures to 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?	❒	❒	❒	■
b) Result in substantial soil erosion or the loss of topsoil?	❒	■	❒	❒
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?	❒	■	❒	❒
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	❒	❒	■	❒
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?	❒	❒	❒	■

Affected Environment

Geologically, the project area is underlain by two Paleocene (65.5 to 56 million years ago) formations. The western side of the Garcia River is comprised of marine sandstone and mudstone and underlain by the German Rancho Formation; the eastern side of the river is comprised of marine sandstone, shale, and conglomerate (Wagner and Bortugno 1982) and is underlain by Coastal Belt Franciscan. These formations are divided by the San Andreas Fault Zone, through which the Garcia River flows. Pleistocene and Holocene (12,000 years before present [BP]–present) alluvium derived from mixed sources is present in the wide riverbed and elevated terraces of the Garcia River (Wagner and Bortugno 1982).

According to the Natural Resources Conservation Service Soil Survey of Mendocino County, soil types within the project site include:

- Bigriver loamy sand, 0 to 5 percent slopes;
- Irmulco-Tramway complex, 30 to 50 percent slopes; and
- Irmulco-Tramway complex, 50 to 75 percent slopes.

The Garcia River flows essentially along the San Andreas Fault; therefore, the proposed project area is located within the San Andreas Fault Zone, a State-designated Alquist-Priolo Earthquake Fault Zone (State of California Special Studies Zones Official Maps 1983).

Discussion

a) *Expose people or structures to 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.*

Less Than Significant Impact. Surface rupture occurs when the ground surface is broken due to fault movement during an earthquake. The location of surface rupture generally can be assumed to be along an active or potentially active major fault trace. The existing and proposed bridge is located within the San Andreas Fault Zone, a currently designated Alquist-Priolo Earthquake Fault Zone. Although the potential for fault rupture on the project site may exist, the proposed project would not introduce occupants to the project site that would be exposed to the effects of fault rupture. Eureka Hill Road and the Eureka Hill Road Bridge are located 400 feet west and 1,000 feet east of active traces of the San Andreas fault. The purpose of the proposed project is to seismically retrofit the Eureka Hill Road Bridge to prevent significant damage in the event of an earthquake. Development of the proposed project would improve the structural integrity of the Eureka Hill Road Bridge, thereby reducing exposure of people to rupture of a known earthquake fault and resulting in a less than significant impact.

ii) *Strong seismic ground shaking?*

Less Than Significant Impact. The project site and the entire Northern California region is in a seismically active region subject to strong seismic ground shaking. Ground shaking is a general term referring to all aspects of motion of the earth's surface resulting from an earthquake and is normally the major cause of damage in seismic events. The extent of ground shaking is controlled by the magnitude and intensity of the earthquake, distance from the epicenter, and local geologic conditions.

The U.S. Geological Survey's database shows that there is a 65 percent chance of a major earthquake within 30 miles of Point Arena (five miles west of the proposed project) within the next 50 years. The largest earthquake within 30 miles of Point Arena was a 4.9 magnitude in

1992.[1] Although the project site could be exposed to strong seismic ground shaking, the proposed project would be designed and constructed consistent with County and Caltrans standards. Moreover, the existing bridge is structurally deficient and would likely be severely impacted by seismic shaking. Therefore, development of the structural improvements associated with the proposed project would result in less than significant seismic ground shaking impacts.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant with Mitigation Incorporated. Soil liquefaction is a phenomenon primarily associated with the saturated soil layers located close to the ground surface. These soils lose strength during ground shaking. Due to the loss of strength, the soil acquires "mobility" sufficient to permit both horizontal and vertical movements. Soils that are most susceptible to liquefaction are clean, loose, uniformly graded, saturated, fine-grained sands that lie relatively close to the ground surface. However, loose sands that contain a significant amount of fines (minute silt and clay fraction) may also liquefy. According to the Draft Location Hydraulic Study Report prepared for the proposed project, the preliminary evaluation of liquefaction concluded that channel soils are susceptible to erosion, scour, and liquefaction. Implementation of Mitigation Measure GEO-1 would reduce liquefaction potential impacts to a less than significant level.

Mitigation Measure GEO-1: The County shall require implementation of one or more of the following measures to reduce potential liquefaction impacts:

1. Potentially liquefiable soils shall be excavated and removed or re-compacted;
2. Soil densification or other types of in-situ ground modifications shall be applied;
3. The project shall incorporate deep foundations that have been designed to accommodate liquefaction effects; and,
4. Reinforced shallow foundations and improved structural design to withstand predicted vertical and lateral ground displacements shall be incorporated into the project design.

iv) Landslides?

No Impact. The proposed project site is not located in an area of known landslides or on steep terrain that would be prone to landslide activity. The Franciscan rocks encountered on the eastern portion of the site can be prone to landsliding within the steep, mountainous terrain in the project vicinity. However, the project site is not located within a steep canyon. The area surrounding the site is flat with slopes less than 50 percent and is not prone to landslides. The proposed project would not alter slopes within the area in a manner that would increase the risk of landslides. Development of the proposed project would not adversely impact persons or structures due to landslides.

[1] http://www.homefacts.com/earthquakes/California/Mendocino-County/Ukiah.html

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

Less Than Significant with Mitigation Incorporated. Although the proposed project area is relatively flat, channel soils within the project area are susceptible to erosion (WRECO 2013). Ground disturbing activities during the construction phase have the potential to result in soil erosion. Implementation of Mitigation Measures HYDRO-1 through HYDRO-3 in Section VIII, requiring the preparation and implementation of a Stormwater Pollution Prevention Plan would reduce the potential impacts associated with soil erosion to a less than significant level.

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 with Mitigation Incorporated. As described above, the potential for hazard from landslides is low, but the potential for liquefaction is high. Although the project site could be located on a geologic unit that is unstable, the proposed project would be designed and constructed consistent with County and Caltrans standards. With the implementation of Mitigation Measure GEO-1, this impact would be less than significant.

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

Less Than Significant Impact. Expansion and contraction of volume can occur when expansive soils undergo alternating cycles of wetting (swelling) and drying (shrinking) and are generally associated with clayey soils. During these cycles, the volume of the soil changes markedly. Expansive soils are common throughout California and can cause damage to foundations and slabs unless properly treated during construction. The proposed bridge retrofit would not include the development of habitable structures on the project site. Site construction techniques would comply with County and Caltrans design standards; therefore, potential soil expansion on the site would not create substantial risks to life or property. Therefore, impacts associated with expansive soils would be 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 proposed project would not generate wastewater requiring disposal. No septic tanks are proposed as part of the project. Therefore, implementation of the proposed project would not result in impacts to soils associated with the use of such wastewater treatment systems. No impact would occur.

VII. GREENHOUSE GAS EMISSIONS

	Potentially Significant Impact	Less Than Significant with 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, based on any applicable threshold of significance?	❑	■	❑	❑
b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?	❑	❑	❑	■

Affected Environment

While emissions of criteria and toxic air pollutants 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 out 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 warming 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 air 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 subregional level, and other measures to reduce automobile use. Energy conservation measures can contribute to reductions in GHG emissions.

The primary existing sources of human-caused GHGs in the project area are vehicle emissions.

Discussion

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment, based on any applicable threshold of significance?

Less Than Significant with Mitigation Incorporated. GHG emissions associated with implementation of the proposed project would occur over the short-term from construction activities, consisting primarily of emissions from equipment exhaust.

Long-Term GHG Emissions. The proposed project would entail seismic retrofit of an existing bridge structure. Once completed, the proposed project would not generate any GHG emissions or

result in any new vehicle trips that would contribute to an increase in GHG emissions. Therefore, the proposed project would not cause a long-term increase in GHG emissions.

Short-Term GHG Emissions. Construction would produce combustion emissions from various sources. During site preparation and construction of the project, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). Furthermore, CH_4 is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

Implementation of Mitigation Measure GHG-1 would ensure that the proposed project would not generate greenhouse gas emissions that may have a significant impact on the environment, based on any applicable threshold of significance.

> **Mitigation Measure GHG-1:** To the extent feasible and to the satisfaction of Mendocino County Department of Transportation, the following measures shall be incorporated into the design and construction of the project:
>
> 1. On-site idling of construction equipment shall be minimized (no more than 5 minutes maximum);
> 2. Biodiesel shall be used as an alternative fuel to diesel for at least 15 percent of the construction vehicles/equipment used if there is a biodiesel station within 5 miles of the project site;
> 3. At least 10 percent of building materials shall be local to the extent feasible; and
> 4. At least 50 percent of construction waste or demolition materials shall be recycled.

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

No Impact. As indicated above, the project would not increase the generation of operational GHG emissions. Therefore, the proposed project would be consistent with all the applicable local plans, policies and regulations and would not conflict with the provisions of AB 32, the applicable air quality plan, or any other State or regional plan, policy or regulation adopted for the purpose of reducing greenhouse gas emissions. No impact would occur.

VIII. HAZARDS & HAZARDOUS MATERIALS

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	❒	■	❒	❒
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?	❒	■	❒	❒
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	❒	❒	❒	■
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?	❒	❒	❒	■
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	❒	❒	❒	■
f) For a project located within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	❒	❒	❒	■
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	❒	❒	■	❒
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	❒	❒	❒	■

Affected Environment

A Draft Initial Site Assessment (ISA) was prepared by Blackburn Consulting (2014) for the proposed project. The information that follows is partially based on the ISA.

Land uses surrounding the project area include rangeland and timber preserve uses. Within the project area, land use includes the existing bridge and roadway at the Garcia River.

The proposed project area is not located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. However, according to the California Department of Toxic Substances Control (DTSC) EnviroStor website (DTSC 2014), no hazardous materials sites are located within 1,000 feet of the project site.

In addition, the project site may contain hazardous materials associated with the existing bridge structure (i.e., asbestos containing materials, lead-based paint) and the existing roadway (i.e., traffic striping, aerially deposited lead).

Asbestos occurs naturally in many coastal range counties, including Mendocino County. The Mendocino County Air Quality Management District map entitled "Areas that may contain Naturally Occurring Asbestos" (2005) indicates that the proposed project site is located outside of an "area of concern" for naturally occurring asbestos (NOA). In any region of NOA, there is some level of risk associated with background concentrations of asbestos.

Discussion

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. The proposed project would include the seismic retrofit of the existing bridge. Once project construction is completed, no routine transport or disposal of hazardous materials would be associated with the proposed project.

Construction of the proposed project would involve the use of heavy equipment for grading, hauling and materials handling. Use of this equipment may require the use of fuels and other common materials that have hazardous properties (*e.g.,* fuels are flammable). These materials would be used in accordance with all applicable laws and regulations and, if used properly, would not pose a hazard to people, animals, or plants. All refueling of construction vehicles and equipment would occur within the designated staging area for the project. The use of hazardous materials would be temporary, and the proposed project would not include a permanent use or source of hazardous materials. Implementation of Mitigation Measure HAZ-1, as follows, would reduce this impact to a less than significant level.

> **Mitigation Measure HAZ-1:** The contractor shall prepare a Spill Prevention and Countermeasure Plan (SPCP) prior to the commencement of construction activities. The SPCP shall include information on the nature of all hazardous materials that will be used on-site. The SPCP shall also include information regarding proper handling of hazardous materials, and clean-up procedures in the event of an accidental release. The phone number of the agency representative overseeing hazardous materials and toxic clean-up shall be provided in the SPCP.

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. After project construction, the retrofitted bridge would operate as under existing conditions; therefore, operation of the bridge would not create a significant hazard to the public or the environment. However, seismic retrofit of the existing bridge may expose construction workers to potentially hazardous materials, including: traffic striping, asbestos containing materials, lead containing paint, aerially deposited lead (ADL), and naturally occurring asbestos (NOA).

Traffic Striping. Traffic striping within the project area includes both yellow and white striping. Both types of striping are known to contain lead, but older yellow striping is known to contain higher levels of heavy metals such as lead and chromium at concentrations in excess of the hazardous waste thresholds established by the California Code of Regulations (CCR) and may produce toxic fumes when heated. Implementation of Mitigation Measure HAZ-2, as follows, would reduce this impact to a less than significant level:

> **Mitigation Measure HAZ-2:** Yellow thermoplastic and/or paint striping shall be removed as an independent action and the waste generated during striping removal shall be sampled, if necessary, handled, and disposed of as hazardous waste. Processes and requirements for removal or grinding of traffic striping shall be conducted in compliance with current Caltrans Standard Special Provisions (SSPs).

Asbestos Containing Materials/Lead-Based Paint. The existing bridge was built circa 1969. Due to the age of this structure the potential exists for presence of asbestos containing materials (ACM) and lead-based paint. Any modification to the existing structure could potentially release airborne particles of hazardous materials that may affect construction workers or the public.

White and yellow traffic striping is present within the project area. Both colors of striping typically contain lead, but older yellow striping is known to contain concentrations of heavy metals such as lead and chromium in excess of the hazardous waste thresholds established by the California Code of Regulations (CCR) and may produce toxic fumes when heated. Consequently, removal of any traffic striping within the project area will require proper handling, disposal, and development of an appropriate Lead Compliance Plan. Ultimately, processes and requirements for removal or grinding of traffic striping shall be in compliance with current Caltrans Standard Special Provisions (SSP) 15-305 "Residue Containing Lead from Paint and Thermoplastic".

Removal of asbestos or suspect ACM, including removal as part of bridge modification, is regulated by the U.S. EPA, federal and State Occupational Safety and Health Administration (OSHA), and the DTSC. All friable (crushable by hand) ACM, or non-friable ACM subject to damage, must be abated prior to disturbance in accordance with applicable requirements. Friable ACM must be disposed of as an asbestos waste at an approved facility. Non-friable ACM may be disposed of as a non-hazardous waste at landfills that accept such wastes. Workers conducting asbestos abatement must be trained in accordance with State and federal OSHA requirements.

Implementation of Mitigation Measures HAZ-3 and HAZ-4, described below would reduce impacts related to the release of airborne lead-based paint and ACM to a less than significant level.

Mitigation Measure HAZ-3: The project shall comply with the OSHA Standard 1926.6 related to lead abatement, and all other applicable State and federal requirements for the safe handling and disposal of lead-based paint, ACM, and universal wastes.

Prior to any modifications to the existing bridge structure on the project site, lead-based paint and ACM surveys shall be performed by a qualified environmental professional. ACM inspections in California are required to be conducted by a Certified Asbestos Consultant (CAC) or by a Certified Site Surveillance Technician (CSST) working under a CAC. The lead-based paint inspection should be conducted by a California Department of Public Health Certified Lead Inspector/Assessor as defined in Title 17 California Code of Regulations, Division 1, Chapter 8. If any lead-based paint or ACM is identified, it shall be abated and removed from the site in accordance with all applicable regulations, including OSHA requirements. The County shall verify that the surveys and abatement or removal, as necessary, have been completed prior to any construction activities on the project site.

Mitigation Measure HAZ-4: Prior to any grading or construction activities on the project site, a Health and Safety Plan shall be prepared in accordance with State and federal laws and regulations with provisions to protect construction workers and the nearby public from health risks from any residual contaminants in site soils, groundwater, and/or the existing bridge structure during project construction. The Health and Safety Plan shall summarize previous environmental investigations and health risk assessments conducted for the project site and identify any known residual contamination that remains in soil or groundwater that will be disturbed or handled during construction.

The Health and Safety Plan shall also: 1) provide procedures to be undertaken in the event that previously unreported construction hazards or previously undetected subsurface hazards, including soil or groundwater contamination, are discovered during construction; 2) incorporate construction safety measures for excavation and other construction activities; 3) establish procedures for safe storage, stockpiling, use, and disposal of contaminated soils and groundwater and other hazardous materials at the project site; 4) provide emergency response procedures; and 5) designate personnel responsible for implementation of the Health and Safety Plan during the construction phase of the project. If regulatory oversight is required for site remediation, the Health and Safety Plan shall be subject to review and approval by regulatory oversight agencies. The County shall verify that the Health and Safety Plan has been completed prior to any grading or demolition activities on the project site.

Aerially Deposited Lead (ADL) and Other Potential Soil/Groundwater Contamination. Soil located adjacent to heavily trafficked roadways may contain elevated concentrations of ADL in exposed surface soils. ADL present in surrounding soils could pose a health hazard to construction workers. Potential ADL impact is anticipated to be limited to areas of exposed soil at both ends of the bridge, where paving would be conducted. Although potential soil/groundwater contamination at the project site is unlikely, implementation of Mitigation Measure HAZ-4, described above, and Mitigation Measure HAZ-5, as follows, would reduce potential impacts related to ADL and other soil contamination to a less than significant level.

Mitigation Measure HAZ-5: Prior to the initiation of project construction, a soil investigation shall be performed by a licensed professional to evaluate if ADL and other potentially hazardous constituents are present in shallow soils that will be disturbed. Chemical analyses for soil shall be performed by an analytical laboratory certified by the California Department of Public Health Environmental Laboratory Accreditation Program. A licensed professional shall review the results of the soil investigation and provide recommendations on additional investigation activities, if any, and soil management requirements during project construction, if applicable (see Mitigation Measure HAZ-6). The analytical results of the soil investigation shall be compared to hazardous waste criteria and health and safety thresholds for construction workers. The soil investigation shall be conducted with oversight from a local or state regulatory agency (*e.g.,* the County or Caltrans).

Mitigation Measure HAZ-6: If warranted, based on the results of the pre-construction soil characterization (Mitigation Measure HAZ-5), the County shall implement a Risk Management Plan (RMP) that will identify special soil management and disposal procedures and/or construction worker health and safety procedures to be implemented during project construction to reduce exposure to hazardous materials. The RMP shall include all necessary procedures to ensure that excavated soils are stored, tested, managed, and disposed of in a manner that is protective of human health and in accordance with applicable laws and regulations. The County shall ensure that the RMP includes available data from any pre-project construction soil sampling activities (Mitigation Measure HAZ-5). The County shall provide the RMP to construction contractors and ensure that contractors are following the RMP. The RMP shall consider the following requirements:

1. Excavation, transportation, and placement operations shall result in no visible dust.
2. A construction "Exclusion Zone" shall be identified where hazardous materials may be stored. A temporary security fence shall be installed to surround and secure the exclusion zone.
3. Air quality shall be monitored during excavation of soils contaminated with hazardous constituents.
4. Storage of hazardous materials shall comply with the requirements in Title 22, CCR, Sections 66265.250 to 66265.260.

If temporary stockpiling of hazardous materials is necessary, the construction contractor shall:

- Cover the stockpile with plastic sheeting or tarps.
- Install a berm around the stockpile to prevent runoff from leaving the area.
- Locate the stockpile away from storm drain inlets and the Garcia River.

Hazardous materials shall be excavated, transported, and disposed in accordance with the rules and regulations of the following agencies:

- United States Environmental Protection Agency (EPA)
- Caltrans
- California Department of Toxic Substances Control (DTSC)

- California Environmental Protection Agency (Cal/EPA)
- California Division of Occupational Safety and Health (DOSH)
- Local regulatory agencies

Naturally Occurring Asbestos. The Mendocino County Air Quality Management District (AQMD) advises that projects in areas identified as potentially containing NOA require an evaluation and preparation of a report by a State registered geologist to determine that any observed NOA is below levels of regulatory concern in the areas being disturbed. As described above, the project site is located outside of an area that may contain NOA and would not require an NOA evaluation and report preparation. Geotechnical borings performed by BCI at the bridge site in October 2010 did not encounter rock types associated with NOA. Although the proposed project area is located outside of areas potentially containing NOA the proposed project would comply with Mendocino County AQMD rules to minimize fugitive dust emissions and AQMD Advisory Policies for Areas Containing Naturally Occurring Asbestos dated December 2013.

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

No Impact. No schools are located within or adjacent to the project site. The nearest school, Point Arena High School, is located approximately 5.0 miles west in the City of Point Arena. Because of Point Arena High School's distance from the proposed project area, the proposed project would not emit hazardous emissions or handle hazardous materials within 0.25 mile of an existing or proposed school. No impact would occur.

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 described above, the proposed project would not be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 (See ISA in Appendix B). Therefore, the proposed project would not create a significant hazard to the public or the environment. No impact would occur.

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

No Impact. The proposed project is not located within two miles of a public airport. The closest airport to the proposed project site is the Little River Airport, approximately 26.0 miles north of the proposed project area. Therefore, the proposed project would not expose people residing or working in the project area to an airport safety hazard. No impact would occur.

f) *For a project located within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?*

No Impact. The proposed project is not located within the vicinity of a private airstrip. The closest private airstrip to the proposed project site is the Lofty Redwoods Airport, approximately 3.0 miles

south of the proposed project area. Therefore, the proposed project would not expose people residing or working in the project area to an airstrip safety hazard. No impact would occur.

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

Less Than Significant Impact. The proposed project would not result in interference with any adopted emergency response plans or evacuation plans. During construction, temporary partial bridge closures are expected. However, due to the remote location of the proposed project area, one lane traffic control would be maintained throughout project construction because a full road detour would equate to a 125-mile detour around the proposed project site. Because the road would remain open in one direction, impacts resulting from potential interference with emergency response or evacuation plans would be less than significant.

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

No Impact. The proposed project area is located within a region identified by Mendocino County Multi-Hazard Mitigation Plan (Figure C-12: Wildland Fire Hazards Areas) as "high" to "very high" fuel rank. The proposed project would not include the development of structures or endanger the lives of residents or construction workers if a wildland fire were to occur. No impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HYDROLOGY AND WATER QUALITY				
Would the project:				
a) Violate any water quality standards or waste discharge requirements?	❒	■	❒	❒
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	❒	❒	■	❒
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	❒	■	❒	❒
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	❒	❒	■	❒
e) 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?	❒	❒	■	❒
f) Otherwise substantially degrade water quality?	❒	■	❒	❒
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	❒	❒	❒	■
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	❒	❒	■	❒
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding of as a result of the failure of a levee or dam?	❒	❒	❒	■
j) Inundation by seiche, tsunami, or mudflow?	❒	❒	❒	■

Affected Environment

The proposed project site is located within the jurisdiction of the North Coast Regional Water Quality Control Board (Region 1, RWQCB) under the direction of the California State Water Resources Control Board. Under the federal Clean Water Act (CWA) and the California Porter-Cologne Water Quality Control Act, the RWQCB has regulatory responsibility for protecting water quality.

Surface Water. The proposed project is located in the Lower Garcia River Valley Groundwater basin. The Garcia River flows beneath the Eureka Hill Road Bridge and is an irregular, west- to northwest-trending coastal drainage basin situated within the Coast Ranges of southwestern Mendocino County. The Garcia River Valley Groundwater Basin is drained to the west by the Garcia River and its tributaries and Brush and Lagoon Creeks before entering the Pacific Ocean north of Point Arena.

The Garcia River hydrologic area is impaired for sediment and temperature and is currently on the CWA Section 303(d) list due to impairments to water quality by sedimentation.

Floodplain. The Federal Emergency Management Agency (FEMA) has designated the project area as follows (FIRM 06045C1775F):

- **Zone A**. Zone A indicates areas subject to inundation by the 1-percent annual chance flood event generally determined using approximate methodologies.

A draft Location Hydraulic Study Report (July 2013) has been prepared for the proposed bridge retrofit project. The existing and proposed conditions hydraulic models indicate that the 100-year water surface elevation does not overtop the bridge or the surrounding approach roadways, and no traffic interruptions are anticipated from the base flood. The existing bridge is located within a 100-year base floodplain, but the nature of the proposed project would not facilitate incompatible base floodplain development. Because the project is proposing retrofit improvements, the proposed bridge would maintain the existing bridge alignment and profile.

Discussion

a) Violate any water quality standards or waste discharge requirements?

Less Than Significant With Mitigation Incorporated. After completion of project construction, the potential for adverse long-term impacts to water quality would be eliminated. Long-term water quality impacts are usually due to changes in stormwater drainage. However, the proposed project would avoid changes in the amount of impervious surfaces and therefore, changes in stormwater drainage are not expected. As a result, the proposed project would not cause a permanent increase in runoff and pollutant loading.

Construction activities have the potential to result in increased erosion and temporary water quality impacts. Stormwater runoff may transport pollutants to nearby water resources, including the Garcia River. Sediments and other pollutants suspended in runoff would be carried downstream, where, if not controlled, they could accumulate in downstream watercourses or wetland areas and potentially harm downstream aquatic resources and decrease water quality.

Dewatering would be required approximately 50 feet upstream and 20 feet downstream of the existing bridge to allow for the construction of a temporary work pad. Dewatering would be accomplished by funneling flows with clean plastic sheeting and gravel through temporary

culverts; temporary culverts would remain in place during in-channel construction to maintain fish passage and bypass flows through the work area. After construction work is completed, the temporary culverts would be removed and the channel's flow restored.

Potential short-term water quality effects from project-related construction activities can be minimized and reduced through implementation of Best Management Practices (BMPs) and compliance with existing regulatory requirements. Implementation of the following mitigation measures would ensure compliance with regulatory requirements and reduce potential construction-related water quality impacts to a less than significant level:

Mitigation Measure HYDRO-1: The Mendocino County Department of Transportation shall prepare and implement construction site temporary BMPs in compliance with the provisions of the Caltrans Statewide NPDES Permit and any subsequent permit pertaining to construction of the proposed project. The Mendocino County Department of Transportation shall submit a Notice of Construction (NOC) to the North Coast RWQCB at least 30 days prior to the start of construction and shall submit a Notice of Termination (NOT) to the RWQCB upon completion of construction and stabilization of the project site. These temporary BMPs shall be installed prior to any construction operations and shall be in place for the duration of the contract. The removal of these BMPs and project site cleanup will be the final operation.

Mitigation Measure HYDRO-2: The Mendocino County Department of Transportation shall incorporate Design Pollution Prevention (DPP) and Treatment Control BMPs into the project design in accordance with the procedures outlined in the Stormwater Quality Handbooks, Project Planning and Design Guide. The Mendocino County Department of Transportation shall coordinate with the RWQCB with respect to feasibility, maintenance, and monitoring of Treatment Control BMPs as set forth in Caltrans' Statewide Stormwater Management Plan (SWMP).

Mitigation Measure HYDRO-3: During dewatering activities, if necessary the provision of the General Waste Discharge requirements for discharges to surface waters that pose an insignificant (de minimus) threat to water quality, Order No. R8-2003-0061 NPDES No. CAG998001, as they relate to construction activities for the project shall be followed. A Notice of Intent (NOI) shall be submitted to the RWQCB at least three months prior to the start of dewatering. The Mendocino County Department of Transportation shall comply with all applicable provisions in the de minimus permit, including water sampling, analysis, and reporting of dewatering-related discharges.

b) *Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?*

Less Than Significant Impact. The proposed project would not result in the construction of large areas of impervious surfaces that would prevent water from infiltrating into the groundwater nor would the proposed project result in direct additions or withdrawals to existing groundwater. The proposed project would entail seismic retrofit of the existing bridge and pavement rehabilitation of the approach roadways. The proposed project would not result in an increase in impervious

surfaces, and the area adjacent to the roadway improvements would remain unpaved allowing for continued groundwater recharge. Since the proposed project would avoid an increase in impervious surfaces, the proposed project would have a less than significant impact on groundwater resources.

c) *Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?*

Less Than Significant With Mitigation Incorporated. The proposed project would not alter the course of the Garcia River, nor would it alter the existing drainage pattern of the site. The proposed project is designed to direct stormwater off of the bridge and into the Garcia River. As described in Response IX(a) above, the proposed project would not result in an increase of impervious surfaces and therefore, changes in stormwater drainage are not expected. As a result, the proposed project would not cause a permanent increase in runoff and pollutant loading.

During construction, BMPs would be implemented, consistent with the stormwater permit issued by the RWQCB, so that on-site and off-site erosion and sedimentation would be controlled to the extent practicable. Implementation of Mitigation Measures HYDRO-1 through HYDRO-3 would reduce potential impacts related to erosion and siltation to a less than significant level.

d) *Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?*

Less Than Significant Impact. The proposed project would entail seismic retrofit of the existing bridge structure over the Garcia River. Development of the proposed project would not significantly alter existing drainage patterns, including alteration of the course of a stream or river or a substantial increase in the rate/amount of surface runoff that could lead to on-site or off-site flooding. Please refer to Responses IX(a) and (c) above.

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

Less Than Significant Impact. Please refer to Response IX(d).

f) *Otherwise substantially degrade water quality?*

Less Than Significant with Mitigation Incorporated. Please refer to Response IX(a).

g) *Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?*

No Impact. No housing units are proposed as part of the project. Therefore, the proposed project would not place housing within a 100-year flood hazard area. No impact would occur.

h) *Place within a 100-year flood hazard area structures which would impede or redirect flood flows?*

Less Than Significant Impact. As described above, FEMA has designated the project area as Zone A. The results of the HEC-RAS model indicate that the bridge soffit would be situated 3.2 feet above the water surface elevation for the 100-year floodplain. Therefore, the proposed project would not place structures within a 100-year flood hazard area which would have the potential to impede or redirect flood flows. This impact would be less than significant.

i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding of as a result of the failure of a levee or dam?

No Impact. As described in Response IX(h), the existing bridge is a transverse encroachment and would not have significant adverse impacts to the existing floodplain or significantly alter the hydraulics of the project site. The proposed project would not significantly change the water surface elevations nor would it contribute to incompatible floodplain development in the Garcia River watershed. As shown on the Mendocino County Multi-Hazard Mitigation Plan Figure C-3, Dam Failure Hazard Areas, the proposed project area is not located within a dam inundation area and the nearest dam is located approximately 17 miles north of the proposed project area. No impact would result from failure of a levee or dam.

j) Inundation by seiche, tsunami, or mudflow?

No Impact. The California Department of Conservation maintains tsunami inundation maps for those areas within quadrangle maps that have the potential to be affected for tsunami inundation. The proposed project area is not located within an area designated as a potential tsunami inundation area. The proposed project area is not at risk of seiche or mudflow. No impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
X. LAND USE AND PLANNING				
Would the project:				
a) Physically divide an established community?	❒	❒	■	❒
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	❒	❒	❒	■
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	❒	❒	❒	■

Affected Environment

The proposed project site is located along Eureka Hill Road approximately 5 miles east of the City of Point Arena. Surrounding land uses are designated as rangeland and timber preserve. Most of the project construction would occur within the Eureka Hill Road right-of-way and the Garcia River.

The project site is located within the Mendocino County General Plan area (2009). According to the Mendocino County General Plan, lands in the vicinity of the project site are designated Rangeland 160 (RL160) and Timber Preserve (TP). The majority of the proposed project site is an existing roadway.

Discussion

a) Physically divide an established community?

Less Than Significant Impact. The proposed project would provide seismic retrofits to an existing bridge located in an area designated for rangeland and timber preserve uses. The proposed project provides an east-west connection over the Garcia River, and one lane of the bridge would remain open throughout the construction phase. Therefore, the proposed project would have a less than significant impact on an established community.

b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact. The proposed project does not involve a change in land use and the project is planned in accordance with the Mendocino County General Plan. The proposed project would not conflict with applicable land use plans, policies, or regulations.

c) Conflict with any applicable habitat conservation plan or natural community conservation plan?

Less Than Significant with Mitigation Incorporated. Based on surveys conducted from 1998-2010 for the Mendocino Redwood Company Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP), the BSA is located in or very close to a "Murrelet Protection Zone" and the area is designated as "high likelihood of occurrence". Implementation of Mitigation Measure BIO-3 would reduce potential impacts to the marbled murrelet. Therefore, with implementation of Mitigation Measure BIO-3, the project would not conflict with the provisions of the HCP/NCCP, and this impact would be less than significant.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. MINERAL RESOURCES				
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?	❒	❒	❒	■
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?	❒	❒	❒	■

Affected Environment

Minerals are any naturally occurring chemical element or compound, or groups of elements and compounds, formed from inorganic processes and organic substances including, but not limited to, coal, peat and oil bearing rock, but excluding geothermal resources, natural gas and petroleum. Rock, sand, gravel and earth are also considered minerals by the Department of Conservation when extracted by surface mining operations. No known mineral resources are located on or near the proposed project site.

Discussion

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. No known mineral resources are located on or near the project site. Therefore, the proposed project would not result in the loss of availability of a known mineral resource. No impact would occur.

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

No Impact. Please refer to Response XI(a), above. No impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. NOISE				
Would the project result in:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	❒	❒	■	❒
b) Exposure of persons to or generation of excessive ground borne vibration or ground borne noise levels?	❒	❒	■	❒
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	❒	❒	■	❒
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	❒	❒	■	❒
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 expose people residing or working in the project area to excessive noise levels?	❒	❒	❒	■
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	❒	❒	❒	■

Affected Environment

Noise is usually defined as unwanted sound. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, or sleep. Several noise measurement scales exist that are used to describe noise in a particular location. A *decibel* (dB) is a unit of measurement that indicates the relative intensity of a sound. The 0 point on the dB scale is based on the lowest sound level that the healthy, unimpaired human ear can detect. Changes of 3 dB or less are only perceptible in laboratory environments. Audible increases in noise levels generally refer to a change of 3 dB or more, as this level has been found to be barely perceptible to the human ear in outdoor environments. Sound levels in dB are calculated on a logarithmic basis. An increase of 10 dB represents a 10-fold increase in acoustic energy, while 20 dB is 100 times more intense, and 30 dB is 1,000 times more intense. Each 10 dB increase in sound level is perceived as approximately a doubling of loudness. Sound intensity is normally measured through the *A-weighted sound level* (dBA). This scale gives greater weight to the frequencies of sound to which the human ear is most sensitive.

The primary existing noise source in the project area is vehicle traffic, including cars, trucks, buses, and motorcycles. The level of vehicular noise generally varies with the volume of traffic, the number of trucks or buses, the speed of traffic, and the distance from the roadway.

The proposed project would modify an existing bridge structure in an area that is surrounded by rangeland and timber preserve uses. Noise-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, guest lodging, libraries, churches, nursing homes, auditoriums, concert halls, amphitheaters, playgrounds and parks are considered noise-sensitive. Residential uses are located within 50 feet of the project site.

Discussion

a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant Impact. The long-term operational and short-term construction noise impacts of the proposed project are described below.

Long-Term (Operational) Impacts. The proposed project would entail seismic retrofits to an existing bridge over the Garcia River. Operation of the proposed project would not result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, since no additional vehicular traffic or other operational noise would be generated. No significant long-term noise impacts would occur after construction is completed.

Short-Term (Construction) Impacts. Construction of the proposed project would add short-term and intermittent noise from use of equipment and vehicles. Within 50 feet from the noisiest source, noise levels from construction activities could average about 81 to 90 dBA (jack hammers, pneumatic tools), with variations in construction noise levels on a day-to-day basis depending on the specific activities occurring at the site. However, construction period noise would be short-term and intermittent. Construction activities would be required to comply with the Mendocino County General Plan and the Mendocino County Inland Zoning Code. The General Plan and the Zoning Code identify exterior noise standards for one and two-family residential dwellings in rural/suburban communities. In addition, per standard practice, during all construction, the project contractors shall equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers' standards. Therefore, noise impacts associated with construction would be less than significant.

b) Exposure of persons to or generation of excessive ground borne vibration or ground borne noise levels?

Less Than Significant Impact. Development of the proposed project would not result in excessive ground borne vibration or noise levels. There may be relatively minor vibrations from the use of trucks or other equipment during construction activities such as excavation. However, this ground borne condition from such equipment would be relatively minor, intermittent, short-term, and restricted to daytime hours.

c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

Less Than Significant Impact. The proposed project would provide seismic retrofits to an existing bridge. The proposed project would not generate any additional traffic noise in the vicinity of the project site. No substantial long-term increase in ambient noise levels is expected as a result of project implementation. This impact would be less than significant.

d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

Less Than Significant Impact. Temporary intermittent noise from short-term construction activities associated with the development of the proposed project would occur. This noise would result from the temporary use of earth-moving and construction equipment during the project construction period. However, the use of earth-moving and construction equipment would be a short-term source and therefore would not be considered significant. Compliance with the Mendocino County General Plan, the Mendocino County Municipal Code and implementation of standard construction practices would ensure noise impacts associated with construction would be less than significant.

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

No Impact. The proposed project is not located within two miles of a public airport or within the vicinity of a private airstrip. The closest airport to the proposed project site is the Little River Airport, approximately 26.0 miles north of the proposed project area. Therefore, the proposed project would not expose people residing or working in the project area to excessive noise levels. No impact would occur.

f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The proposed project is not located within the vicinity of a private airstrip. The closest private airstrip to the proposed project site is the Lofty Redwoods Airport, approximately 3.0 miles south of the proposed project area. Therefore, the proposed project would not expose people residing or working in the project area to excessive noise levels. No impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. POPULATION AND HOUSING				
Would the project:				
a) Induce substantial 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)?	❒	❒	❒	■
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	❒	❒	❒	■
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	❒	❒	❒	■

Affected Environment

The proposed project site is located along Eureka Hill Road approximately 5 miles east of the City of Point Arena. Surrounding land uses are designated as rangeland and timber preserve. The project site consists of an existing bridge over the Garcia River.

Discussion

a) Induce substantial 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 is a seismic retrofit of the Eureka Hill Road Bridge. The proposed project would not induce population growth in the area. The area surrounding the project site is zoned rangeland and timber preserve. The proposed project would have no impact on population and housing.

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

No Impact. No housing would be displaced as a result of the proposed project. No impact would occur.

c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

No Impact. Please refer to Response XIII(b). No impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. PUBLIC SERVICES				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	❒	❒	❒	■
Fire protection?	❒	❒	❒	■
Police protection?	❒	❒	❒	■
Schools?	❒	❒	❒	■
Parks?	❒	❒	❒	■
Other public facilities?	❒	❒	❒	■

Affected Environment

The proposed project site is in a remote area served by existing public services.

Police Protection. Police protection is provided by the Mendocino County Sheriff's Office. The main sheriff's station, including dispatch and detention facilities, is located at the Mendocino County Administration Center complex in Ukiah. The California Highway Patrol (CHP) is responsible for traffic enforcement services on state highways and county roads.

Fire Protection. Fire protection in Mendocino County is provided by local districts, the cities of Ukiah and Fort Bragg, the California Department of Forestry and Fire Protection, and the U.S. Forest Service. Fire agencies have mutual aid agreements to assist each other in handling fire and other emergency calls. The nearest fire station to the proposed project site, the South Coast Volunteer Fire Department, is located approximately 3.5 miles southeast of the proposed project area.

Schools. The proposed project site is located within the Point Arena Schools District. The District is comprised of Arena Union Elementary School and Point Arena High School. The nearest school, Point Arena High School, is located approximately 5.0 miles west in the City of Point Arena.

Parks. For a discussion of parks, please refer to Section XV, Recreation.

Discussion

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

No Impact. The proposed project involves seismic retrofit of the existing bridge and pavement rehabilitation work of the approach roadways on both sides of the existing bridge. The proposed project would not increase demand for public services, nor degrade the quality of existing public services. The proposed project would improve traffic circulation and safety by improving the structural integrity of the existing bridge and would not have an adverse impact on public services. There are no recreational areas or public facilities located within the project vicinity that would be impacted by the proposed project. No impact would occur.

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

Affected Environment

Mendocino County is a predominantly rural county with a variety of park and recreational facilities, including national forests, Bureau of Land Management (BLM) lands, State Parks, State Forests, State Beaches, and seven County parks.

Discussion

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 proposed project involves seismic retrofit of the bridge structure and pavement rehabilitation work on the approach roadways on both sides of the existing bridge. Development of the proposed project would have no adverse effect on existing park facilities and would not generate a demand for additional recreational facilities. No impact 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 proposed project does not include recreational facilities or require the construction of recreational facilities. No impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. TRANSPORTATION/TRAFFIC				
Would the project:				
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	❒	❒	■	❒
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency or designated roads or highways?	❒	❒	■	■
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that result in substantial safety risks?	❒	❒	❒	■
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	❒	❒	❒	■
e) Result in inadequate emergency access?	❒	❒	■	❒
f) Conflict with adopted polices, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	❒	❒	❒	■

Affected Environment

As outlined in the Project Description, the proposed project would entail seismic retrofit of the Eureka Hill Road Bridge over the Garcia River. Construction would occur within the Eureka Hill Road right-of-way and the existing river channel, and one lane on the bridge would remain open throughout the construction phase.

The average daily traffic (ADT) based on the Caltrans BIR (2011) for the proposed project was 90 in 2011, and it is projected to be 625 in 2027. Eureka Hill Road Bridge is not used for emergency supply or evacuation and emergency vehicle access. There is no practicable detour available, although the construction would be staged to allow one lane traffic control. Eureka Hill Road Bridge is used as a mail route. The proposed retrofit bridge would maintain existing traffic uses.

Discussion

a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?

Less Than Significant Impact. The proposed project consists of seismic retrofit of an existing bridge structure and pavement rehabilitation work on the approach roadways on both sides of the existing bridge. Operation of the proposed project would have negligible impacts on the area's transportation system as the project would not generate additional vehicular traffic. The proposed project would not increase traffic in relation to the existing traffic load and capacity.

A small volume of traffic would be generated during construction, resulting in an increase in vehicle trips associated with construction trucks and equipment. However, the number of vehicles would be relatively small (*e.g.,* staging equipment to the site and daily trips by operators and workers to the site) and the construction period would be of limited duration. As described above, one lane of road on the bridge would remain open throughout the construction phase. Therefore, construction-related impacts to traffic would be less than significant.

b) *Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency or designated roads or highways?*

Less Than Significant Impact. As described above, operation of the proposed project would have negligible impacts to the area's transportation system as the proposed project would not generate additional vehicular traffic. Construction activities would result in a small increase in vehicular traffic associated with construction trucks/equipment and personnel traveling to and from the project site. However, the increase in traffic would be small and impacts would be short-term. Therefore, the proposed project would not result in an increase in level of service standards established by Mendocino County. This impact would be less than significant.

c) *Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that result in substantial safety risks?*

No Impact. The proposed project is an infrastructure project and would not result in any changes in air traffic patterns or levels of air traffic. No impact would occur.

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

No Impact. The Eureka Hill Road Bridge Seismic Retrofit Project would improve the current structural deficiencies of the bridge structure. The alignment of the existing bridge would remain the same and would not include sharp curves, dangerous intersections, or incompatible uses. Therefore, the proposed project would not substantially increase hazards due to a design feature or incompatible uses. No impact would occur.

e) *Result in inadequate emergency access?*

Less Than Significant Impact. The proposed project would not result in inadequate emergency access in the area. As described above, one lane on the bridge would remain open throughout the construction phase, resulting in a less than significant impact to emergency access.

f) *Conflict with adopted polices, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?*

No Impact. The proposed project would not conflict with adopted policies or programs supporting alternative transportation. The proposed project is located in southern Mendocino County and alternative forms of transportation are not readily available in this area. No impact would occur.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. UTILITIES AND SERVICE SYSTEMS				
Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	❒	■	❒	❒
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	❒	❒	■	❒
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	❒	❒	❒	■
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	❒	❒	■	❒
e) 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?	❒	❒	■	❒
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	❒	❒	■	❒
g) Comply with federal, State, and local statutes and regulations related to solid waste?	❒	❒	❒	■

Affected Environment

A telephone/fiber optic conduit is attached to the bridge on the north side and a telephone line is attached to the south side of the bridge.

Discussion

a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

Less Than Significant With Mitigation Incorporated. As described in Response IX(a), implementation of the proposed project would not lead to an exceedance of wastewater treatment requirements of the applicable RWQCB. The proposed project would entail seismic retrofit of an existing bridge and pavement rehabilitation on the approach roadways on both sides of the bridge

structure. No wastewater would be generated by the proposed project. Dewatering would be required for construction of a temporary work pad. Dewatering activities would be conducted in compliance with all applicable provisions of the de minimus permit. Implementation of Mitigation Measure HYDRO-3 would reduce potential impacts to a less than significant level.

b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less Than Significant Impact. Construction of the proposed project would require potable or reclaimed water for dust suppression. However, the amount of water required would be minimal, would be distributed to the site via water trucks and would only be needed during the construction period. Therefore, the proposed project would not require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities. This impact would be less than significant.

c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

No Impact. The proposed project would entail seismic retrofit of an existing bridge and pavement rehabilitation on the approach roadways on both sides of the bridge structure. Implementation of the proposed project would not result in an increase in impervious surface that would have the potential to affect the amount of on-site runoff that would require the expansion of existing stormwater facilities. No additional drainage facilities would be required. No impact would occur.

d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

Less Than Significant Impact. Please refer to Response XVI(b), above.

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

Less Than Significant Impact. Please refer to Response XVI(b), above.

f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

Less Than Significant Impact. Project construction would generate wastes including construction materials, and general refuse, and these wastes would need to be disposed of in local or regional facilities. The disposal demand is reasonable relative to the solid waste disposal capacities of area landfills. The proposed project would not generate additional waste once completed. Impacts related to solid waste disposal would be less than significant.

g) Comply with federal, State, and local statutes and regulations related to solid waste?

No Impact. The proposed project would comply with federal, State and local regulations related to solid waste. No impact would occur.

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

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

Less Than Significant with Mitigation Incorporated. The proposed project would involve the seismic retrofit of the Eureka Hill Road Bridge over the Garcia River. As described in this Initial Study, implementation of the proposed project has the potential to adversely impact sensitive natural communities, special status animals and previously undiscovered cultural resources and/or human remains. With implementation of the mitigation measures recommended in this Initial Study, compliance with County requirements, and application of standard practices, development of the proposed project would not: 1) degrade the quality of the environment; 2) substantially reduce the habitat of 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.

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 are individually limited and not cumulatively considerable. The proposed project would entail seismic retrofit of an existing bridge and pavement rehabilitation. 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 Initial Study and, when viewed in conjunction with other closely related past, present or reasonably foreseeable future projects, would not be significant.

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

Less Than Significant with Mitigation Incorporated. The purpose of the project is to improve overall safety by seismically retrofitting the existing, structurally deficient bridge to meet current County and Caltrans design standards. As described in this Initial Study, implementation of the proposed project could result in temporary air quality, hazardous materials, and noise impacts during the construction period. Implementation of the mitigation measures recommended in this Initial Study, compliance with County regulations, and application of standard construction practices would ensure that the proposed project would result in no environmental effects that would cause substantial direct or indirect adverse effects on human beings.

3.0 REPORT PREPARERS

LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, California 95677

Laura Lafler, Principal Planner
Jeff Bray, Principal Biologist/ Project Manager
Amanda Rose, Senior Environmental Planner
Nichole Jordan, Senior Cultural Resources Manager
Mike Trueblood, Senior Biologist
Stephanie Powers, Word Processing

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5.0 RESPONSE TO COMMENTS

STATE OF CALIFORNIA
NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd., Suite 100
West SACRAMENTO, CA 95691
(916) 373-3710
Fax (916) 373-5471

Edmond G. Brown, Jr., *Governor*

RECEIVED
JUN 25 2014
MENDOCINO COUNTY
TRANSPORTATION

June 18, 2014

Jackson Ford
Mendocino County Department of Transportation
340 Lake Mendocino Drive
Ukiah, CA 95482

RE: SCH# 2014062041 Eureka Hill Road-Garcia River Bridge Seismic Retrofit Project, Mendocino County.

Dear Mr. Ford:

The Native American Heritage Commission (NAHC) has reviewed the Notice of Completion (NOC) referenced above. The California Environmental Quality Act (CEQA) states that any project that causes a substantial adverse change in the significance of an historical resource, which includes archeological resources, is a significant effect requiring the preparation of an EIR (CEQA Guidelines 15064.5(b)). To comply with this provision the lead agency is required to assess whether the project will have an adverse impact on historical resources within the area of project effect (APE), and if so to mitigate that effect. To adequately assess and mitigate project-related impacts to archaeological resources, the NAHC recommends the following actions:

- ✓ Contact the appropriate regional archaeological Information Center for a record search. The record search will determine:
  - If a part or all of the area of project effect (APE) has been previously surveyed for cultural resources.
  - If any known cultural resources have already been recorded on or adjacent to the APE.
  - If the probability is low, moderate, or high that cultural resources are located in the APE.
  - If a survey is required to determine whether previously unrecorded cultural resources are present.
- ✓ If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
  - The final report containing site forms, site significance, and mitigation measurers should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for pubic disclosure. NAHC-1
  - The final written report should be submitted within 3 months after work has been completed to the appropriate regional archaeological Information Center.
- ✓ Contact the Native American Heritage Commission for:
  - A Sacred Lands File Check. **SFL Check Completed with Negative Results**
  - A list of appropriate Native American contacts for consultation concerning the project site and to assist in the mitigation measures. **Native American Contacts List attached**
- ✓ Lack of surface evidence of archeological resources does not preclude their subsurface existence.
  - Lead agencies should include in their mitigation plan provisions for the identification and evaluation of accidentally discovered archeological resources, per California Environmental Quality Act (CEQA) Guidelines §15064.5(f). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American, with knowledge in cultural resources, should monitor all ground-disturbing activities.
  - Lead agencies should include in their mitigation plan provisions for the disposition of recovered cultural items that are not burial associated, which are addressed in Public Resources Code (PRC) §5097.98, in consultation with culturally affiliated Native Americans.
  - Lead agencies should include provisions for discovery of Native American human remains in their mitigation plan. Health and Safety Code §7050.5, PRC §5097.98, and CEQA Guidelines §15064.5(e), address the process to be followed in the event of an accidental discovery of any human remains and associated grave goods in a location other than a dedicated cemetery.

Sincerely,

Katy Sanchez

Katy Sanchez
Associate Government Program Analyst

CC: State Clearinghouse

Native American Contact List
Mendocino County
June 18, 2014

Manchester-Point Arena Rancheria
Nelson Pinola, Chairperson
P.O. Box 623 Pomo
Point Arena , CA 95468
manptarena@hughes.net
(707) 882-2788
(707) 882-3417 Fax

Round Valley Reservation/Covelo Indian Community
Kenneth Wright, President
77826 Covelo Road Yuki ; Nomlaki
Covelo , CA 95428 Pit River
(707) 983-6126 Pomo
(707) 983-6128 Fax Concow
Wailaki; Wintun

Noyo River Indian Community
Harriet L. Stanley-Rhoades
P.O. Box 91 North Coastal Pomo
Fort Bragg , CA 95437 Coast Yuki
noyojetty1@earthlink.net

She Bel Na Band of Pomo Indians
Shirley Harbour, Chairperson
P.O. Box 672 Pomo
Fort Bragg , CA 95437
(707) 964-1633

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2014062041, Eureka Hill Road - Garcia River Bridge Seismic Retro fit Project, Mendocino County. Katy S

Response to Comments
Native American Heritage Commission Letter (June 18, 2014)

NAHC-1 As documented in Appendix A of the MND, the Archaeological Survey Report prepared for the project consisted of archival and background research, a field survey on November 4, 2013, consultation with potentially interested parties, and an archaeological sensitivity assessment. Additionally, Mitigation Measures CULT-1, -2, and -3 address measures to be implemented in the event construction activities unearth subsurface resources.

DEPARTMENT OF THE ARMY
SAN FRANCISCO DISTRICT, U.S. ARMY CORPS OF ENGINEERS
1455 MARKET STREET
SAN FRANCISCO, CALIFORNIA 94103-1398

JUN 25 2014

RECEIVED
JUN 27 2014
MENDOCINO COUNTY
TRANSPORTATION

REPLY TO
ATTENTION OF

Regulatory Division

SUBJECT: File Number 2014-00237N

Mr. Jackson Ford
Mendocino County Environmental Compliance Specialist
Mendocino County Department of Transportation
340 Lake Mendocino Drive
Ukiah, California 95482

Dear Mr. Ford:

This letter is written in response to a request for comments on the CEQA Initial Study and Mitigated Negative Declaration concerning your project, the Eureka Hill Road – Garcia River Bridge Seismic Retrofit Project, as described in the notice from the Mendocino County Department of Transportation, dated June 2014. Your project is located near the Garcia River on Eureka Hill Road at mile marker 4.92, Mendocino County, California. Since this activity may involve the discharge of fill, sediment release, dewatering, work below the OHW, and potential work in the wetted area of the riverbed, and, therefore, impact a water of the U.S.; the Corps of Engineers will need to review those portions of your project.

All proposed discharges of dredged or fill material into waters of the United States must be authorized by the Corps of Engineers pursuant to Section 404 of the Clean Water Act (CWA) (33 U.S.C. Section 1344). Waters of the United States generally include tidal waters, lakes, ponds, rivers, streams (including intermittent streams), and wetlands.

ACOE-1

Your proposed work appears to be within our jurisdiction and a permit may be required for your project. Application for Corps authorization should be made to this office using the application form in the enclosed pamphlet. To avoid delays it is essential that you enter the File Number at the top of this letter into Item No. 1 of the application. The application must include plans showing the location, extent and character of the proposed activity, prepared in accordance with the requirements contained in this pamphlet. You should note, in planning your project, that upon receipt of a properly completed application and plans, it may be necessary to advertise the proposed work by issuing a Public Notice for a period of 30 days.

Our Nationwide and Regional General Permits have already been issued to authorize certain activities provide specified conditions are met. Your completed application will enable us to confirm that your activity is already authorized. You are advised to refrain from starting your proposed activity until we make a determination that the project is covered by an existing permit.

Commencement of work before you receive our notification will be interpreted as a violation of our regulations.

A jurisdictional survey should be illustrated on a scaled topographic map or site plan. When this document is forwarded with the application, the Corps staff will validate and authenticate the limits of Corps jurisdiction. While it is not necessary to confirm all boundary points, the Corps will verify the jurisdictional boundary along one or more transects and may visit random intermediate points. If wetlands comprise a portion of the Corps jurisdiction on your property, the 1987 Corps Wetland Delineation Manual with amendments should be used to identify the limits of our jurisdiction. Contact the Corps representative identified below for current guidance regarding wetland jurisdictional delineation requirements. (The Corps Wetland Delineation Manual - Technical Report Y-87-1, Document #ADA 176 734, can be obtained from NTIS, Attn: Order Dept., Springfield, VA 22161. The cost is $26.00 plus $3.00 shipping and handling. For more information call (703) 487-4650.) ACOE-1 (cont'd)

Corps staff will do the jurisdictional mapping, if you so choose. But due to the current project backlog, it may take several months to complete the necessary field work. Many consultants now offer expertise in Corps jurisdictional and permitting requirements, including alternative analysis. It is generally prudent to involve such expertise when developing plans for activities that may require a Corps permit. It is also prudent to check the consultant's references and demonstrated expertise.

Should you have any questions regarding this matter, please call Jimmy Purchio of our Regulatory Division at (415)503-6781 or email at James.J.Purchio@usace.army.mil. Please address all correspondence to the Regulatory Division and refer to the File Number at the head of this letter.

Sincerely,

for Jane M. Hicks
Chief, Regulatory Division

Enclosures

Copies Furnished:

CA DFG, (Belmont) (Monterey) (Redding) (Yountville), CA
CA RWQCB, (Oakland) (San Luis Obispo) (Santa Rosa), CA

Response to Comments
U.S. Army Corps of Engineers Letter (June 25, 2014)

ACOE-1 The County anticipates that a Section 404 Nationwide Permit will be required from the U.S. Army Corps of Engineers. The County will prepare and submit permit applications to the appropriate regulatory agencies prior to ground-disturbing activities.

6.0 MITIGATION MONITORING AND REPORTING PROGRAM

This Mitigation and Monitoring Reporting Program (MMRP) has been formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) prepared for the Eureka Hill Road – Garcia River Bridge Seismic Retrofit Project (proposed project). The MMRP lists mitigation measures recommended in the IS/MND for the proposed project and identifies mitigation monitoring requirements. This MMRP has been prepared to comply with the requirements of State law (Public Resources Code Section 21081.6). State law requires the adoption of an MMRP when mitigation measures are required to avoid significant impacts. The MMRP is intended to ensure compliance during implementation of the project. Responsibility for ensuring successful implementation of the MMRP lies with the Mendocino County Department of Transportation (DOT), representing the Lead Agency for the project under CEQA.

Environmental monitoring will be required throughout all phases of the proposed project. Prior to, and during construction, mitigation monitoring shall minimize potential impacts to environmental resources. Monitoring is also necessary to ensure and verify implementation of the mitigation measures prescribed in the IS/MND. Compliance with mitigation measures can be documented in the project file through written reports, accompanied by project photos where necessary. Post construction monitoring of revegetation and other project components can be documented by yearly reports, on a schedule typically determined by one or more of the project permits. Depending on the complexity of the post construction mitigation effort, tasks will be carried out by County staff or technical experts under contract to the County. Post construction monitoring is typically conducted for 3 to 5 years, depending on permit requirements and success criteria.

The MMRP is organized in a matrix. The first column identifies the mitigation measure. Included with each mitigation measure is a short summary of the specific action needed to fulfill the mitigation measure as well as the milestone timeframe and the agency/agencies responsible for mitigation monitoring.

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
III. AIR QUALITY			
Mitigation Measure AIR-1: The County's project contractor shall prepare a dust control plan for construction activities at the project site pursuant to the requirements of the MCAQMD. The project contractor shall be responsible for ensuring that all adequate dust control measures are implemented in a timely manner during all phases of construction and maintenance activities at the project site. The dust control plan shall include, at a minimum, the following measures:	Preparation and implementation of dust control plan	Prior to and during construction activities	County
The County shall notify the MCAQMD at least 14 days prior to commencing work. All visibly dry disturbed soil road surfaces shall be watered to minimize fugitive dust emissions. All unpaved surfaces, unless otherwise treated with suitable chemicals or oils, shall have a posted speed limit of 10 miles per hour**.** Earth or other material that has been transported by trucking or earth moving equipment, erosion by water, or other means onto paved streets shall be promptly removed. Asphalt, oil, water or suitable chemicals shall be applied on materials stockpiles, and other surfaces that can give rise to airborne dusts. All earthmoving activities shall cease when sustained winds exceed 15 miles per hour. The operator shall take reasonable precautions to prevent the entry of unauthorized vehicles onto the site during non-work hours. The operator shall keep a daily log of activities to control fugitive dust.	Notification of MCAQMD of construction start	Prior to construction activities	County

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
If serpentine rock is found in the area, the presence of asbestos, in the chrysotile or amphibole forms shall be determined, and mitigation on a site-specific basis shall be identified. Construction Plans for this project shall include a note stating: "If serpentine, ultramafic rock or naturally occurring asbestos is discovered during any grading or construction activity, work shall stop immediately and the Mendocino County Air Quality Management District shall be contacted to determine compliance with the approved Airborne Toxic Control Measures for naturally occurring asbestos." In addition, the following measures will be required: o All on-site vehicle speeds shall be limited to fifteen (15) miles per hour on unpaved roads. Visible dust crossing the property boundary shall be prohibited; o Storage piles and disturbed areas not subject to vehicular traffic shall be stabilized by being kept adequately wetted, treated with a chemical dust suppressant, or covered with material that contains less than 0.25 percent asbestos; and o Activities shall be conducted so that no track-out from any road construction project is visible on any paved roadway open to the public.			
IV. BIOLOGICAL RESOURCES			
Mitigation Measure BIO-1: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to Sonoma tree vole: 1. Tree removal shall be limited to the minimum necessary to accomplish bridge rehabilitation, and shall include only riparian and understory growth in the immediate vicinity of the bridge. No trees greater than 6 inches diameter at breast height (dbh) shall be	Limit tree removal	During project	County

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
removed for the project. 2. Measures shall be implemented to prevent encroachment into adjacent forested areas. All forested lands outside the designated work areas shall be designated as ESAs and clearly indicated as such on project construction plans. Project specifications shall include a requirement that ESAs are clearly delineated with brightly colored fencing, rope or equivalent prior to beginning construction.	Installation of ESA fencing		County
3. Jackhammers or similar machinery that produces high intensity sounds shall only be used for short duration (less than two hours total) at any given site, and shall only be operated between the hours of 10:00 a.m. and 4:00 p.m. No blasting shall be permitted. 4. All work shall be performed during daylight hours. No nighttime operations or use of staging lights shall be allowed.	Limit use of noise intensive equipment		County
Mitigation Measure BIO-2: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to foraging Townsend's big-eared bat: 1. The seismic retrofits shall not modify potential night roost habitat on the existing bridge for foraging Townsend's big eared bats. 2. All work shall be conducted during daylight hours.	Maintain potential night roost habitat on existing bridge	During project	County
Mitigation Measure BIO-3: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to marbled murrelet: 1. To minimize disturbance during the more critical early part of the marbled murrelet breeding season, work occurring before June 15	No construction within 300 feet of	During construction activities	County

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
shall not be located within 300 ft of suitable nesting habitat.	suitable marbled murrelet habitat prior to June 15		
2. During the marbled murrelet nesting period, March 24-September 15, all work involving loud equipment (e.g., jackhammers or similar machinery that produces high intensity sounds) shall only be used for short duration (less than 2 hours total) and shall only be operated between the hours of 10:00 am and 4:00 pm, when murrelets are less likely to be in the project area. No blasting shall be permitted.	Limit use of noise intensive equipment	During construction activities	County
3. If an active murrelet nest is discovered in the vicinity of the project area, work shall be deferred until the end of the nesting season (September 15) or until a qualified biologist confirms that the young have fledged or are otherwise no longer present.			Qualified biologist
4. No potential marbled murrelet nest trees shall be removed. Tree removal shall be limited to the minimum necessary to accomplish bridge rehabilitation, and shall include only riparian and understory growth in the immediate vicinity of the bridge. No trees greater than 6 inches dbh shall be removed for the project.			
5. Measures shall be implemented to prevent encroachment into adjacent forested areas. All forested lands outside the designated work areas shall be designated as Environmentally Sensitive Areas (ESAs) and clearly indicated as such on project construction plans. Project specifications shall include a requirement that ESAs are clearly delineated with brightly colored fencing, rope or equivalent prior to beginning construction.	Installation of ESA fencing	Prior to construction activities	County
6. All work shall be performed during daylight hours. No nighttime operations or use of staging lights shall be allowed.			

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
Mitigation Measure BIO-4: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to northern spotted owl:			
1. To minimize disturbance during the more critical early part of the northern spotted owl breeding season, work occurring before June 15 shall not be located within 300 ft of suitable nesting habitat.	No construction within 300 feet of suitable northern spotted owl habitat prior to June 15	During construction activities	County
2. Jackhammers or similar machinery that produce high intensity sounds shall only be used for short duration (less than two hours total) and shall only be operated between the hours of 10:00 a.m. and 4:00 p.m. No blasting shall be permitted.	Limit use of noise intensive equipment	During construction activities	County
3. If an active northern spotted owl nest is discovered in the vicinity of the project, work shall be deferred until the end of the nesting season (September 15) or until a qualified biologist confirms that the young have fledged or are otherwise no longer present.			
4. No suitable northern spotted owl nest trees shall be removed. Tree removal shall be limited to the minimum necessary to accomplish bridge rehabilitation, and shall include only riparian and understory growth in the immediate vicinity of the bridge. No trees greater than 6 inches dbh shall be removed for the project.			
5. Measures shall be implemented to prevent encroachment into adjacent forested areas. All forested lands outside the designated work areas shall be designated as ESAs and clearly indicated as such on project construction plans. Project specifications shall include a requirement that ESAs are clearly delineated with brightly colored fencing, rope or equivalent prior to beginning construction.	Installation of ESA fencing	Prior to construction activities	County
6. All work shall be performed during daylight hours. No nighttime			

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
operations or use of staging lights shall be allowed.			
Mitigation Measure BIO-5: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to CRLF. Minimization measures are consistent with the programmatic letter of concurrence signed by the USFWS on April 9, 2014:			
1. A qualified biologist (i.e., certified by the USFWS) shall conduct Worker Environmental Awareness Training for the construction workers prior to the start of construction activities. Awareness training shall include a brief review of the biology of the CRLF and guidelines that must be followed by all construction personnel to avoid take of CRLF.	Conduct environmental awareness training	Prior to construction activities	Qualified biologists
2. The qualified biologist shall appoint a biological monitor (e.g., the crew foreman) who shall be responsible for ensuring that all crewmembers comply with the guidelines. Awareness Training shall be conducted for new personnel before they can participate in construction activities. The qualified biologist shall notify the Resident Engineer who shall address any work stoppage, and the USFWS shall be contacted if a CRLF at any life stage (i.e., adults, sub-adults, tadpoles, eggs) is encountered during project activities.	Monitor construction activities	During construction activities	County and biological monitor
3. Within 24 hours prior to the onset of ground disturbance activities, the qualified biologist shall survey the project area for all life stages of the CRLF. Surveys must be conducted immediately prior to ground-disturbing activities to lower the probability of one or more adult or sub-adult frogs moving into or laying eggs within the project area after a survey has already been conducted.	Survey construction area for CRLF	Prior to construction activities	County and biologists

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
4. If CRLF (including eggs and tadpoles) are encountered at any time during project activities, construction activities shall cease in the area and the USFWS shall be notified to determine how to proceed.			
5. Water pumps shall be screened with wire mesh screens no larger than 0.2 inch to prevent CRLF tadpoles, sub-adults, and adults from entering the pump system. Although pre-activity surveys may have detected no CRLF, this measure is to ensure that frogs that were missed during the survey are not harmed or killed by water pumps.	Bi-weekly trash removal onsite	During construction activities	County
6. All food-related trash shall be disposed of in closed containers and removed from the project area at least twice per week during the construction period. Food may attract frog predators such as raccoons to the action area.			
7. The contractor shall implement a toxic materials control and spill response plan. Equipment refueling shall only occur at staging areas where fuel will not enter the floodplain.			County
8. All vegetation removal activities shall be conducted with the use of hand tools only (including chainsaws).			
9. The number of access routes, numbers and sizes of staging areas, and the total area of the activity shall be limited to the minimum necessary to achieve the project goal. Routes and boundaries shall be clearly demarcated.			
In addition to the measures from the programmatic letter of concurrence, the following measure shall also be implemented:	Revegetation of project site with native plant mix. Following completion	Post construction	County
10. The project site shall be revegetated with an assemblage of native			

<table>
<tr><th>Mitigation Measures</th><th>Specific Action</th><th>Mitigation Milestone</th><th>Responsible Monitoring Party</th></tr>
<tr><td>riparian, wetland, and upland vegetation suitable for the area. Locally collected plant materials shall be used to the extent practicable. Invasive, exotic plants shall be controlled to the maximum extent practicable. This measure shall be implemented in all areas disturbed by activities associated with the project, unless the USFWS and the County determine that it is not feasible or practical. Following project completion, all fill slopes, temporary impact and/or otherwise disturbed areas shall be restored to preconstruction contours (if necessary) and revegetated with a native seed mix specified in Table C. Invasive exotic plants shall also be controlled to the maximum extent practicable.

Table C: Native Seed Mix

<table>
<tr><th>Scientific Name</th><th>Common Name</th><th>Rate (Lbs./Acre)</th><th>Minimum Percent Germination</th></tr>
<tr><td>Artemisia douglasiana</td><td>Mugwort</td><td>2.0</td><td>50</td></tr>
<tr><td>Bromus carinatus carinatus</td><td>California brome</td><td>5.0</td><td>85</td></tr>
<tr><td>Elymus trachycaulus</td><td>Slender wheatgrass</td><td>2.0</td><td>60</td></tr>
<tr><td>Elymus X triticum</td><td>Regreen</td><td>10.0</td><td>80</td></tr>
<tr><td>Eschscholzia californica</td><td>California poppy</td><td>2.0</td><td>70</td></tr>
<tr><td>Hordeum brachyantherum</td><td>California barley</td><td>2.0</td><td>80</td></tr>
<tr><td>Lupinus bicolor</td><td>Bicolored lupine</td><td>4.0</td><td>80</td></tr>
</table>
Source: LSA Associates, 2014</td><td>all areas disturbed will be revegetated with approved native seed mix.</td><td></td><td></td></tr>
</table>

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
Mitigation Measure BIO-6: The following avoidance and minimization measures shall be implemented to reduce any potential impacts to Central California Coast coho salmon:			
1. Work in the live channel of the Garcia River (consisting of construction of the temporary work pad, implementation of footing retrofits at pier 2, and installation of column casings to the bent columns and top mats to the bent foundations) shall be limited to the period of June 15 through October 15. If any work within the live channel of the Garcia River is not completed by October 15, a written approval/extension must be obtained from the NMFS to allow work past October 15. Revegetation activities are excluded from this requirement with the stipulation that no heavy equipment shall be used in the channel.	Work within the live channel of the Garcia River shall be limited to June 15 to October 15	During construction activities	County
2. Prior to project implementation, a NMFS-approved biologist shall instruct all construction personnel and monitoring biologists of the terms and conditions being implemented to protect anadromous fish during construction. The biological monitor shall have the full authority to halt work as necessary for the purpose of minimizing adverse effects on anadromous fish.	Conduct environmental awareness training	Prior to construction activities	Qualified biologists
3. The work area shall be dewatered prior to installation of the temporary work pad. Dewatering shall be accomplished by funneling flows with clean plastic sheeting and gravel through temporary culverts; temporary culverts shall remain in place during in-channel construction to maintain fish passage and bypass flows through the work area.	Dewatering prior to installation of temporary work pad	Prior to construction activities	County
4. Fish shall be captured and relocated and excluded from the work area with block nets prior to dewatering activities. All captured		During construction activities	Qualified biologists

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
fish shall be kept in cool, shaded, aerated water protected from excessive noise, jostling, or overcrowding any time they are not in the stream and fish shall not be removed from this water except when released. To avoid predation, the biologist shall have at least two containers and segregate young-of-year fish from larger age-classes and other potential aquatic predators. Captured salmonids shall be relocated, as soon as possible, to a suitable instream location in which habitat conditions are present to allow for survival of transported fish and fish already present. Capture and relocation activities shall be conducted by a NMFS-approved biologist.	Fish capture and relocation		
5. Gravel used for the temporary work pads shall consist of 1-inch to 4-inch diameter uncrushed, washed and rounded river rock (also known as spawning gravel).			
6. During implementation of the seismic improvements, the temporary work pad shall prevent any debris from falling into the Garcia River.		Prior to construction activities	County
7. ESAs shall be established at the edges of the temporary access routes within the riparian corridor and around a portion of the temporary work pad within the river to prevent encroachment into adjacent natural areas. ESA limits shall be marked using orange snow fencing or equivalent, and shall remain in place and maintained in good condition until construction is complete.	Installation of ESA fencing		
8. Use of non-toxic vegetable-based hydraulic fluid shall be required for all equipment operated below the ordinary high water mark.		During construction activities	County
9. Measures consistent with the current Caltrans' Construction Site BMP Manual (including the SWPPP and WPCP Manuals) shall be implemented to minimize effects to the Garcia River from	Implementation of BMPs		

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
erosion, siltation, etc. during construction. 10. A SWPPP shall be prepared by the contractor in accordance with typical provisions associated with a Regional General Permit for Construction Activities (on file with the North Coast Regional Water Quality Control Board). The SWPPP shall contain a Spill Response Plan with instructions and procedures for reporting spills, the use and location of spill containment equipment, and the use and location of spill collection materials. 11. All upland areas temporarily impacted during project construction shall be restored to pre-construction contours and revegetated with native species as specified in Table C. 12. All construction shall be conducted during daylight hours. 13. Large woody debris shall be embedded downstream of the bridge within the BSA in an effort to enhance existing salmonid habitat at the site. Woody debris utilized shall come from within the Garcia River watershed.	Preparation and implementation of SWPPP Revegetation of project site with native plant mix. Following completion all areas disturbed will be revegetated with approved native seed mix.	Prior to and during construction activities Post construction	County County
<u>Mitigation Measure BIO-7:</u> The following conservation measures shall be implemented to minimize potential adverse effects on EFH: 1. Gravel used for the temporary work pads shall consist of 1-inch to 4-inches diameter uncrushed, washed and rounded river rock (also known as spawning gravel). 2. During implementation of the seismic improvements, the temporary work pad shall serve to prevent any debris from falling into the Garcia River. 3. ESAs shall be established at the edges of the temporary access routes within the riparian corridor to prevent encroachment into	Installation of ESA	Prior to construction	County

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
adjacent vegetation. ESA limits shall be marked using orange snow fencing or equivalent, and shall remain in place and maintained in good condition until construction is complete.	fencing		
4. Measures consistent with the current Caltrans' Construction Site BMP Manual (including the SWPPP and WPCP Manuals) shall be implemented to minimize effects to the Garcia River from erosion, siltation, etc. during construction.	Implementation of BMPs	During construction	County
5. A SWPPP shall be prepared by the contractor in accordance with typical provisions associated with a Regional General Permit for Construction Activities (on file with the North Coast Regional Water Quality Control Board). The SWPPP shall contain a Spill Response Plan with instructions and procedures for reporting spills, the use and location of spill containment equipment, and the use and location of spill collection materials.	Preparation and implementation of SWPPP	Prior to and during construction activities	County
6. Use of non-toxic vegetable-based hydraulic fluid shall be required for all equipment operated below the ordinary high water mark.			
7. All upland areas temporarily impacted during project construction shall be restored to pre-construction contours and revegetated with native species as specified in Table C.	Revegetation of project site with native plant mix.	Post construction	County
V. CULTURAL RESOURCES			
Mitigation Measure CULT-1: If deposits of prehistoric or historical archaeological materials are discovered during non-monitored project activities, all work within 25 feet of the discovery shall be redirected and a qualified archaeologist contacted, if one is not present, to assess the situation, consulted with agencies as appropriate, and make recommendations for the treatment of the discovery. Mendocino County	Cessation of construction in areas where prehistoric or historical archaeological resources are	During construction activities	County and Archaeological Monitor

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
Department of Transportation shall also be notified. Project personnel shall not collect or move any archaeological materials. Adverse effects to the finds shall be avoided by project activities. If avoidance is not feasible, the archaeological deposits shall be evaluated to determine if they qualify as a historical resource or unique archaeological resource, or as historic property. If the deposits do not so qualify, avoidance is not necessary. If the deposits do so qualify, adverse effects on the deposits shall be avoided, or such effects shall be mitigated. Mitigation may consist of, but is not limited to, recovery and analysis of the archaeological deposit; recording the resource; preparing a report of findings; and accessioning recovered archaeological materials at an appropriate curation facility. Educational public outreach may also be appropriate. Upon completion of the assessment, the archaeologist shall prepare a report documenting the methods and results, and provide recommendations for the treatment of the archaeological deposits discovered. The report shall be submitted to the Mendocino County Department of Transportation.	unearthed and implementation of appropriate measures to mitigate potential effects to such resources.		
Mitigation Measure CULT-2: If paleontological resources are encountered during project subsurface construction and no monitor is present, all ground-disturbing activities shall be redirected within 50 feet of the find until a qualified paleontologist can be contacted to evaluate the find and make recommendations. If found to be significant and project activities cannot avoid the paleontological resources, a paleontological evaluation and monitoring plan, as described above, shall be implemented. Adverse effects to paleontological resources shall be mitigated. Mitigation may include monitoring, data recovery and analysis, a final report, and the accession of all fossil material to a paleontological repository. Upon completion of project ground-disturbing activities, a report documenting methods, findings, and	Cessation of construction in areas where paleontological resources are unearthed and implementation of appropriate measures to mitigate potential effects to paleontological resources.	During construction activities	County and Paleontological Monitor

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
recommendations shall be prepared and submitted to the paleontological repository.			
Mitigation Measure CULT-3: In the event that human remains are encountered, work within 50 feet of the discovery shall be redirected and the County Coroner notified immediately. At the same time, a qualified archaeologist shall be contacted to assess the situation and consult with agencies as appropriate. Project personnel shall not collect or move any human remains and associated materials. If the human remains are of Native American origin, the Coroner shall notify the Native American Heritage Commission within 24 hours of this identification. The Native American Heritage Commission shall identify a Most Likely Descendant (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods. Upon completion of the assessment, the archaeologist shall prepare a report documenting the methods and results, and provide recommendations for the treatment of the human remains and any associated cultural materials, as appropriate and in coordination with the recommendations of the MLD. The report shall be submitted to the Mendocino County Department of Transportation.	Adherence to the County's and Native American Heritage Commission's guidelines for handling the discovery of human remains.	During construction activities	County
VI. GEOLOGY AND SOILS			
Mitigation Measure GEO-1: The County shall require implementation of one or more of the following measures to reduce potential liquefaction impacts: 1. Potentially liquefiable soils shall be excavated and removed or re-compacted; 2. Soil densification or other types of in-situ ground modifications shall be applied; 3. The project shall incorporate deep foundations that have been designed to accommodate liquefaction effects; and, **4.** Reinforced shallow foundations and improved structural design to withstand predicted vertical and lateral ground displacements	Excavation, removal, and recompaction of potentially liquefiable soils	During construction activities	County

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
shall be incorporated into the project design.			
VII. GREENHOUSE GAS EMISSIONS			
Mitigation Measure GHG-1: To the extent feasible and to the satisfaction of Mendocino County Department of Transportation, the following measures shall be incorporated into the design and construction of the project: o On-site idling of construction equipment shall be minimized (no more than 5 minutes maximum); o Biodiesel shall be used as an alternative fuel to diesel for at least 15 percent of the construction vehicles/equipment used if there is a biodiesel station within 5 miles of the project site; o At least 10 percent of building materials shall be local to the extent feasible; and o At least 50 percent of construction waste or demolition materials shall be recycled.	Incorporation of BMPs to minimize potential GHG emissions	During construction activities	County
VIII. HAZARDS			
Mitigation Measure HAZ-1: The contractor shall prepare a Spill Prevention and Countermeasure Plan (SPCP) prior to the commencement of construction activities. The SPCP shall include information on the nature of all hazardous materials that will be used on-site. The SPCP shall also include information regarding proper handling of hazardous materials, and clean-up procedures in the event of an accidental release. The phone number of the agency representative overseeing hazardous materials and toxic clean-up shall be provided in the SPCP.	Preparation and implementation of a Spill Prevention and Countermeasure Plan	Prior to and during construction activities	County
Mitigation Measure HAZ-2: Yellow thermoplastic and/or paint striping shall be removed as an independent action and the waste generated during striping removal shall be sampled, if necessary, handled, and disposed of as hazardous waste. Processes and	Removal of thermoplastic and/or paint striping consistent with current	Prior to and during construction activities	County

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
requirements for removal or grinding of traffic striping shall be conducted in compliance with current Caltrans Standard Special Provisions (SSPs).	Caltrans SSPs		
Mitigation Measure HAZ-3: The project shall comply with the OSHA Standard 1926.6 related to lead abatement, and all other applicable State and federal requirements for the safe handling and disposal of lead-based paint, ACM, and universal wastes. Prior to any modifications to the existing bridge structure on the project site, lead-based paint and ACM surveys shall be performed by a qualified environmental professional. ACM inspections in California are required to be conducted by a Certified Asbestos Consultant (CAC) or by a Certified Site Surveillance Technician (CSST) working under a CAC. The lead-based paint inspection should be conducted by a California Department of Public Health Certified Lead Inspector/Assessor as defined in Title 17 California Code of Regulations, Division 1, Chapter 8. If any lead-based paint or ACM is identified, it shall be abated and removed from the site in accordance with all applicable regulations, including OSHA requirements. The County shall verify that the surveys and abatement or removal, as necessary, have been completed prior to any construction activities on the project site.	Compliance with State and federal requirements for handling and disposal of ACM and lead-based paint. Conduct surveys for ACM and lead-based paint and conduct abatement/removal consistent with all applicable regulations.	During construction activities Prior to and during construction activities	County County
Mitigation Measure HAZ-4: Prior to any grading or construction activities on the project site, a Health and Safety Plan shall be prepared in accordance with State and federal laws and regulations with provisions to protect construction workers and the nearby public from health risks from any residual contaminants in site soils, groundwater, and/or the existing bridge structure during project construction. The Health and Safety Plan shall summarize previous environmental investigations and health risk assessments conducted for the project site and identify any known residual contamination that remains in soil or groundwater that will be disturbed or handled during construction.	Preparation and implementation of a Health and Safety Plan	Prior to and during construction activities	County

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
The Health and Safety Plan shall also: 1) provide procedures to be undertaken in the event that previously unreported construction hazards or previously undetected subsurface hazards, including soil or groundwater contamination, are discovered during construction; 2) incorporate construction safety measures for excavation and other construction activities; 3) establish procedures for safe storage, stockpiling, use, and disposal of contaminated soils and groundwater and other hazardous materials at the project site; 4) provide emergency response procedures; and 5) designate personnel responsible for implementation of the Health and Safety Plan during the construction phase of the project. If regulatory oversight is required for site remediation, the Health and Safety Plan shall be subject to review and approval by regulatory oversight agencies. The County shall verify that the Health and Safety Plan has been completed prior to any grading or demolition activities on the project site.			
Mitigation Measure HAZ-5: Prior to the initiation of project construction, a soil investigation shall be performed by a licensed professional to evaluate if ADL and other potentially hazardous constituents are present in shallow soils that will be disturbed. Chemical analyses for soil shall be performed by an analytical laboratory certified by the California Department of Public Health Environmental Laboratory Accreditation Program. A licensed professional shall review the results of the soil investigation and provide recommendations on additional investigation activities, if any, and soil management requirements during project construction, if applicable (see Mitigation Measure HAZ-6). The analytical results of the soil investigation shall be compared to hazardous waste criteria and health and safety thresholds for construction workers. The soil investigation shall be conducted with oversight from a local or state regulatory agency (*e.g.,* the County or Caltrans).	Soil investigation to determine if potentially hazardous constituents are present in project soils	Prior to construction activities	County
Mitigation Measure HAZ-6: If warranted, based on the results of the pre-construction soil characterization (Mitigation Measure HAZ-5), the	Preparation and implementation of	Prior to construction activities	County

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
County shall implement a Risk Management Plan (RMP) that will identify special soil management and disposal procedures and/or construction worker health and safety procedures to be implemented during project construction to reduce exposure to hazardous materials. The RMP shall include all necessary procedures to ensure that excavated soils are stored, tested, managed, and disposed of in a manner that is protective of human health and in accordance with applicable laws and regulations. The County shall ensure that the RMP includes available data from any pre-project construction soil sampling activities (Mitigation Measure HAZ-5). The County shall provide the RMP to construction contractors and ensure that contractors are following the RMP. The RMP shall consider the following requirements: • Excavation, transportation, and placement operations shall result in no visible dust. • A construction "Exclusion Zone" shall be identified where hazardous materials may be stored. A temporary security fence shall be installed to surround and secure the exclusion zone. • Air quality shall be monitored during excavation of soils contaminated with hazardous constituents. • Storage of hazardous materials shall comply with the requirements in Title 22, CCR, Sections 66265.250 to 66265.260. • If temporary stockpiling of hazardous materials is necessary, the construction contractor shall: – Cover the stockpile with plastic sheeting or tarps. – Install a berm around the stockpile to prevent runoff from leaving the area. – Locate the stockpile away from storm drain inlets and the	Risk Management Plan (if warranted)		

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
Garcia River. • Hazardous materials shall be excavated, transported, and disposed in accordance with the rules and regulations of the following agencies: – United States Environmental Protection Agency (EPA) – Caltrans – California Department of Toxic Substances Control (DTSC) – California Environmental Protection Agency (Cal/EPA) – California Division of Occupational Safety and Health (DOSH) – Local regulatory agencies			
IX. HYDROLOGY AND WATER QUALITY			
Mitigation Measure HYDRO-1: The Mendocino County Department of Transportation shall prepare and implement construction site temporary BMPs in compliance with the provisions of the Caltrans Statewide NPDES Permit and any subsequent permit pertaining to construction of the proposed project. The Mendocino County Department of Transportation shall submit a Notice of Construction (NOC) to the North Coast RWQCB at least 30 days prior to the start of construction and shall submit a Notice of Termination (NOT) to the RWQCB upon completion of construction and stabilization of the project site. These temporary BMPs shall be installed prior to any construction operations and shall be in place for the duration of the contract. The removal of these BMPs and project site cleanup will be the final operation.	Preparation and implementation of BMPs in compliance with Caltrans' Statewide NPDES Permit. Submit NOC to the RWQCB.	Prior to, during, and subsequent to construction activities	County
Mitigation Measure HYDRO-2: The Mendocino County Department of Transportation shall incorporate Design Pollution Prevention (DPP)	Incorporation of DPP and Treatment	Prior to and during construction activities	County

Mitigation Measures	Specific Action	Mitigation Milestone	Responsible Monitoring Party
and Treatment Control BMPs into the project design in accordance with the procedures outlined in the Stormwater Quality Handbooks, Project Planning and Design Guide. The Mendocino County Department of Transportation shall coordinate with the RWQCB with respect to feasibility, maintenance, and monitoring of Treatment Control BMPs as set forth in Caltrans' Statewide Stormwater Management Plan (SWMP).	Control BMPs into project design. Coordinate with RWQCB.		
Mitigation Measure WQ-3: During dewatering activities, if necessary the provision of the General Waste Discharge requirements for discharges to surface waters that pose an insignificant (de minimus) threat to water quality, Order No. R8-2003-0061 NPDES No. CAG998001, as they relate to construction activities for the project shall be followed. A Notice of Intent (NOI) shall be submitted to the RWQCB at least three months prior to the start of dewatering. The Mendocino County Department of Transportation shall comply with all applicable provisions in the de minimus permit, including water sampling, analysis, and reporting of dewatering-related discharges.	Refueling, maintenance, and staging of equipment.	Prior to and during construction	County

APPENDIX A

ARCHAEOLOGICAL SURVEY REPORT/HISTORIC PROPERTY SURVEY REPORT

HISTORIC PROPERTY SURVEY REPORT FOR THE EUREKA HILL ROAD OVER GARCIA RIVER BRIDGE RETROFIT PROJECT

MENDOCINO COUNTY, CALIFORNIA

CALTRANS DISTRICT 1

BRLRT 5910 (041)

Prepared for

Mendocino County Department of Transportation
Howard Dashiell
340 Lake Mendocino Drive
Ukiah, CA 95482

Prepared by

Nichole Jordan, M.A., RPA # 989208
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, California 95677

LSA Project #MKT1003A

February 2014

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State of California Department of Transportation

HISTORIC PROPERTY SURVEY REPORT

1. UNDERTAKING DESCRIPTION AND LOCATION

District	County	Route	Post Miles	Unit	E-FIS Project Number	Phase

District	*County*	*Funding Source*	*Federal-Aid Proj. No.*	*Location*	*E-FIS Proj. No*	*Phase*
1	MEN	BRLRT	5901(041)	Eureka Hill Road		

`For Local Assistance projects off the highway system, use headers in italics)

Project Description:

The County of Mendocino, with funding administered through the Federal Highway Administration (FHWA) and in coordination with the California Department of Transportation (Caltrans), proposes the Eureka Hill Road over Garcia River Bridge Retrofit Project (Project), near Point Arena, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River (Attachment 1: Figure 1 and 2).

The existing Garcia River Bridge is a Category 5: bridge not eligible for listing on the National Register of Historic Places (Attachment 5), four-span, 320 foot long by 22 foot 8 inch wide, structure built by the Army Corps of Engineers in 1969. It consists of a reinforced concrete box girder superstructure supported by cast in steel shell piles and seat type abutments. The Project will strengthen the structural components to resist seismic loads on the structure and loads imposed by soil movement. Support is provided at the ends of the superstructure near the abutments.

Retrofit work includes the addition of steel column casings to all bent columns, and adding piles and top mats of reinforcing to all bent foundations. This work will include: adding four 72 inch Cast-In-Drilled-Hole (CIDH) piles at each end of the bridge, two on each side, drilled to an elevation below the level of competent soil for the support of the superstructure in the event the soil supporting the abutments migrates into the channel during an earthquake; concrete girders between the CIDH pile groups for vertical support of the superstructure; and adding bumpers to the superstructure soffit.

These improvements will require temporary access to the streambed in order to construct column casings to the bent columns and top mats to the bent foundations. However, all temporary access will be removed once the seismic improvements have been completed, and the disturbed area will be restored to the pre-project conditions. The resulting spoils of CIDH piles will be disposed of outside of the public right-of-way, in accordance with the contract specifications. Temporary access will be provided by the old roadway alignment. Dewatering is anticipated to construct the footing retrofit at the three piers.

As is standard with all roadway projects, the contractor will be required to install temporary Best Management Practices (BMP's) to control any runoff or erosion from the project site, into the surrounding waterways. These temporary BMP's will be installed prior to any construction operations and will be in place for the duration of the contract. The removal of these BMP's will be the final operation, along with the project site cleanup.

There is a telephone/fiber optic conduit attached to the bridge on the north side and a telephone line attached to the south side of the bridge. These utilities may be in conflict with the retrofit work near the abutments.

No new right-of-way (ROW) will be acquired for the Project. A temporary construction easement (TCE)

will be necessary throughout the center of the APE (Attachment 1: Figure 3). A borrow area will not be required.

Construction Staging
It is likely that the Eureka Hill Road Bridge will need to be limited to one lane traffic control for some construction activities, including drilling CIDH piles. There are limited east-west connections between State Route 1 and State Route 128 and closing Eureka Hill Road and detouring traffic would equate to a 125 mile detour around the project site. Two areas (one on each side of the Garcia River) north of the bridge are available for potential construction staging areas.

2. AREA OF POTENTIAL EFFECTS

The Area of Potential Effects (APE) for the Project was established in consultation with Timothy Keefe, Professionally Qualified Staff - Prehistoric Archaeology; Suzanne L. Theiss, Local Assistance Engineer, on August 19, 2014; and Alicia Meier, Mendocino County Engineer on January 22, 2014 (Attachment 1: Figure 3).

The 10.7-acre APE is along Eureka Hill Road at Garcia River Bridge, approximately 2,500 feet (0.7 miles) long by 100 to 540 feet wide throughout most of its length and has been bounded to include the maximum extent of ground disturbance including staging areas and access roads (Attachment 1: Figure 3). The project will not acquire new right of way.

The vertical APE for the Project is defined as the estimated maximum depth of ground disturbance within the APE. These depths are listed per construction activity below.

Construction Activity	**Estimated Depth of Ground Disturbance**
Abutment 1 Retrofit	100 feet below surface
Telephone/Fiber Optic Line	3 feet below surface
Construction Staging	½ foot below surface
Roadway Alignment within Garcia River	½ foot below surface
Footing Retrofit (Piers 2 & 3)	60 feet below surface
Footing Retrofit (Pier 4)	80 feet below surface
Abutment 2 Retrofit	110 feet below surface

3. CONSULTING PARTIES / PUBLIC PARTICIPATION

X Native American Tribes, Groups and Individuals

LSA provided the list of Native American contacts to Caltrans. Per Caltrans request, LSA prepared letters that described the project, included maps depicting the APE, and requested any information or concerns regarding cultural resources within the APE (Attachment 3). On August 23, 2013 and August 29, 2013, LSA sent the letters to the Native American contacts. Responses to the consultation letters are provided below:

John Feliz, Jr., Chairperson, Coyote Valley Band of Pomo Indians: In an October 2, 2013, follow-up telephone call the tribal receptionist notified LSA that Mr. Feliz, Jr. is no longer the Chairperson and that Michael Hunter is the current Chairperson. The receptionist asked LSA to follow-up consultation with Mr. Hunter via email. On October 3, 2013, LSA forwarded the initial consultation letter to Mr. Hunter asking for Mr. Hunter to express any questions or concerns in regard to the Project. No response has been received to date.

Eddie Knight, Coyote Valley Band of Pomo Indians: In an October 3, 2013, follow-up telephone call, the tribal receptionist provided a cell phone number where Mr. Knight could be reached. LSA was unable to reach Mr. Knight and was unable to leave a message. In an October 8, 2013, second follow-up telephone call, LSA was unable to reach Mr. Knight and was unable to leave a message.

Leona Williams, Chairperson, Pinoleville Pomo Nation: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. Williams, asking her to present any questions or concerns about the Project. No response has been received to date.

Angela James, Tribal Historic Preservation Officer (THPO), Pinoleville Pomo Nation: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. James, asking her to present any questions or concerns about the Project. No response has been received to date.

Dave Edmunds, Environmental Director, Pinoleville Pomo Nation: In an October 3, 2013, follow-up telephone call the tribal receptionist notified LSA that Mr. Edmunds is no longer the Environmental Director.

Erica Williams, Section 106 Coordinator, Pinoleville Pomo Nation: In an October 3, 2013, follow-up telephone call the tribal receptionist notified LSA that Ms. Williams is no longer the Section 106 coordinator and that Erica Clarson is the current Section 106 Coordinator. LSA called Ms. Clarson who requested that LSA forward the initial consultation letter to Ms. Clarson's email. On October 3, 2013, LSA forwarded the initial consultation letter to Ms. Clarson asking for Ms. Clarson to express any questions or concerns in regard to the Project. In an October 8, 2013, emailed letter, Ms. Clarson stated that the Pinoleville Pomo Nation has no interest in the Project unless a prehistoric archaeological deposit is identified. If a deposit is identified Mr. Clarson has requested to be contacted immediately.

Elizabeth Hansen, Chairperson, Redwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. Hansen, asking her to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Ms. Hansen, asking her to present any questions or concerns about the Project. No response has been received to date.

Zhao Qui, Cultural Resources Coordinator, Redwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up telephone call, LSA spoke with Ms. Qui who said she would review the

consultation documentation and provide a comment if there are cultural concerns. No response has been received to date.

Steve Nevarez, Jr., Environmental Coordinator, Redwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Nevarez, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Nevarez, asking him to present any questions or concerns about the Project. No response has been received to date.

Michael Fitzgerral, Chairperson, Sherwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up call, LSA left a message for Mr. Fitzgerral asking him to contact LSA with any questions or concerns he has in regard to the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Fitzgerral, asking him to present any questions or concerns about the Project. No response has been received to date.

Hillary Renick, THPO, Sherwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up call, LSA was unable to contact Ms. Renick because she works in Washington D.C. LSA was directed to contact Ms. Patricia Rabano of the Sherwood Valley Rancheria of Pomo.

Patricia Rabano, Cultural Resource Specialist, Sherwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up telephone call, Ms. Rabano requested that LSA forward the initial consultation letter to Ms. Rabano's email address. On October 3, 2013, LSA forwarded the consultation documentation to Ms. Rabano and asked her to express any questions or concerns in regard to the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Ms. Rabano, asking her to present any questions or concerns about the Project. No response has been received to date.

Otis Parish, THPO, Stewarts Point Rancheria: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Parish, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA spoke with Mr. Parish who stated that the APE is outside the Stewarts Point Rancheria ancestral boundary and the tribe does not have any information in regard to traditional use of the APE.

Nina Hapner, Environmental Planning Department, Stewarts Point Rancheria: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. Hapner, asking her to present any questions or concerns about the Project. During an October 7, 2013, telephone call Ms. Hapner asked that LSA follow-up with Otis Parish THPO of Stewarts Point Rancheria.

Emilio Valencia, Chairperson, Stewarts Point Rancheria: In an October 3, 2013, follow-up email, LSA forwarded the initial consultation letter to Mr. Valencia, asking him to present any questions or concerns about the Project. The email address that the NAHC provided is not a working email address, and the email was returned.

Merlene Sanchez, Chairperson, Guidlville Band of Pomo Indians: In a October 3, 2013, follow-up telephone call, LSA left a message for Ms. Sanchez, asking her to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA spoke with the Tribal secretary who stated that the Tribe has no response to the consultation letter.

Shawn Padi, Chairperson, Hopland Band of Pomo Indians: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Padi, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Padi, asking him to present any questions or concerns about the Project. No response has been

received to date.

Salvador Rosales, Chairperson, Potter Valley Tribe: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Rosales, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Rosales, asking him to present any questions or concerns about the Project. No response has been received to date.

Greg Young, Environmental Coordinator, Potter Valley Tribe: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Young, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA spoke with Mr. Young who stated that the APE is outside the Potter Valley Tribe ancestral boundary and the tribe does not have any information in regard to traditional use of the APE.

Nelson Pinola, Chairman, Manchester Band of Pomo Indians: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Pinola, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA spoke with Mr. Pinola's assistant who requested the initial consultation documentation be emailed to her. On October 8, 2013, LSA forwarded the initial consultation documentation. No response has been received to date.

Karen Santana, Tribal Adminstrator, Manchester Band of Pomo Indians: On January 14, 2014 Caltrans PQS, Sara Atchley Thomas, emailed a letter that described the project, included maps depicting the APE, and requested any information or concerns regarding cultural resources within the APE. In an email dated, January 21, 2014, Ms. Santana stated that she has no comments at this time.

Richard Smith, Chairperson, Laytonville Rancheria/Cahto Indian Tribe: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Smith, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Smith, asking him to present any questions or concerns about the Project. No response has been received to date.

Kenneth Wright, President, Round Valley Reservation/Covelo Indian Community: In an October 3, 2013, follow-up telephone call, LSA was unable to reach Mr. Wright and was unable to leave a message. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Wright, asking him to present any questions or concerns about the Project. No response has been received to date.

Mona Oandasan, THPO, Round Valley Reservation/Covelo Indian Community: In an October 3, 2013, follow-up telephone call, LSA was unable to reach Ms. Oandasan and was unable to leave a message. In an October 8, 2013, second follow-up telephone call, LSA left a message for Ms. Oandasan, asking her to present any questions or concerns about the Project. No response has been received to date.

Chairperson, Yokayo Tribe: The NAHC did not provide a telephone number or email address for follow-up consultation. LSA was unable to reach the Yakayo Tribe and was unable to leave a message.

Dina Bowen-Welsh, Secretary, She Bel Na Band of Pomo Indians: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. Bowen-Welsh, asking her to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a

message for Ms. Bowen-Welsh, asking her to present any questions or concerns about the Project. No response has been received to date.

X Native American Heritage Commission

On April 5, 2013, LSA sent a letter describing the project with maps depicting the APE to the Native American Heritage Commission (NAHC) in Sacramento asking the Commission to review their Sacred Lands File for any Native American cultural resources that might be affected by the project. Also requested were the names of Native Americans who might have information or concerns about the project. Debbie Pilas-Treadway, Environmental Specialist III, in a fax dated May 7, 2013, informed LSA that a records search of the Sacred Lands File did not "indicate the presence of Native American cultural resources in the immediate project area." Ms. Sanchez also provided a list of Native American contacts (Attachment 2).

X Local Historical Society / Historic Preservation Group

On April 18, 2013, LSA sent a letter to the Mendocino County Historical Society that described the project, included maps depicting the APE, and requested any information or concerns regarding the proposed Project (Attachment 4). In an October 3, 2013, follow-up telephone call LSA was unable to reach the historical society and was unable to leave a message.

On August 28, 2013, LSA sent a letter to the Archaeological Commission of Mendocino County that described the project, included maps depicting the APE, and requested any information or concerns regarding the proposed Project (Attachment 4). In an October 3, 2013, follow-up telephone call Mr. Dusty Duley of the Commission requested the initial consultation documentation be forwarded to his email address. On October 3, 2013, LSA forwarded the consultation documentation to Mr. Dudley and asked him to express any questions or concerns in regard to the Project. On October 4, 2013, Mr. Dudley commented that the Commission would like approved copies of the cultural resources documents sent to him. On October 4, 2013, LSA responded, stating that LSA will send the approved cultural resources documents to the Commission.

4. SUMMARY OF IDENTIFICATION EFFORTS

X	National Register of Historic Places	Month & Year: 1979-2002 & supplements
X	California Register of Historical Resources	Year: 1992 & supplemental information to date
X	California Inventory of Historic Resources	Year: 1976
X	California Historical Landmarks	Year: 1995 & supplemental information to date
X	California Points of Historical Interest	Year: 1992 & supplemental information to date
X	State Historic Resources Commission	Year: 1980-present, minutes from quarterly meetings
X	Caltrans Historic Highway Bridge Inventory	Year: 2006 & supplemental information to date

X Results**:**

LSA conducted a records search (10-0137) of the APE and a 2-mile radius on August 9, 2010, at the Northwest Information Center (NWIC) of the California Historical Resources

Information System, California State University, Sonoma. The NWIC, an affiliate of the State of California Office of Historic Preservation, is the official state repository of cultural resource records and reports for Mendocino County.

Results of the records search indicate that the APE has never been surveyed; however, four previous studies have been conducted within two miles of the APE. No resources are recorded within the APE. Three previously identified historic-period built environment resources are recorded within two miles of the APE.

Previous studies within two miles of the APE:

Borras, Thembi

2008 *Confidential Archaeological Addendum of the Roddy NTMP*. Borass Forestry Services, Point Arena, California.

This report documents the results of background research, interested parties consultation and a field survey which located three historic-period built environment cultural resources within 2 miles of the APE. These resources are listed below:

- *P-4780*: a cabin built in 1942.
- *P-4781*: a root cellar built in the 1940s.
- *P-4782*: a trail segment of unknown antiquity.

Langeger, Paula

1996 *Archaeological and Historical Resources Survey and Impact Assessment for ShoeGin THP: A Supplemental Report for a Timber Harvesting Plan*. VanderHorst Forestry, Inc. Ukiah, California.

This report documents the results of background research, interested parties consultation and a field survey. No cultural resources were identified during this study.

Mileham, Francis

2006 *Archaeological Survey Report for the Stillman Timber Harvesting Plan, Mendocino County, California*. NRM Corporation, Eureka, California.

This report documents the results of background research, interested parties consultation and a field survey. No cultural resources were identified during this study.

Powers, Mike

2001 *Confidential Archaeological Addendum for Timber Operations on Non-Federal Lands in California, Rolling Lee THP*. Mendocino Redwood Company, LLC, Fort Bragg, California.

This report documents the results of background research, interested parties consultation and a field survey. No cultural resources were identified during this study.

Rogers, Robert L.

2000 *Confidential Archaeological Addendum for Timber Operations on Non-Federal Lands in California, Eureka Hill*. Rogers Forest Management, Ukiah, California.

This report documents the results of background research, interested parties consultation and a field survey. No cultural resources were identified during this study.

5. PROPERTIES IDENTIFIED

X **No cultural resources** are present within the project APE.

X **Bridges listed as Category 5** in the Caltrans Historic Highway Bridge Inventory are present within the APE. Appropriate pages from the Caltrans Historic Bridge Inventory are attached (Attachment 5)

6. LIST OF ATTACHED DOCUMENTATION

X Regional Location, Project Area, and APE Maps. Attachment 1
X Native American Heritage Commission Consultation Letters. Attachment 2
X Native American Contacts Consultation Letters. Attachment 3
X Historical Society Consultation Letters. Attachment 4
X Structure Maintenance & Investigations: Historical Significance – Local Agency Bridges. Attachment 5
X Archaeological Survey Report (ASR). Attachment 6

- *Nichole Jordan November 2013 / peer reviewed by Sara Atchley Thomas January 2014*

7. HPSR to File

X **No properties requiring evaluation** are present within the Project APE.

8. HPSR to SHPO

X Not applicable.

9. Findings for State-Owned Properties

X Not applicable; project does not involve Caltrans right-of-way or Caltrans-owned property.

10. CEQA IMPACT FINDINGS

X Not applicable; Caltrans is not the lead agency under CEQA.

HISTORIC PROPERTY SURVEY REPORT

11. HPSR PREPARATION AND DEPARTMENT APPROVAL

Prepared by: NICHOLE JORDAN — 1/22/2014 Date

Consultant/discipline: *Nichole Jordan, Principal Investigator Prehistoric and Historical Archaeology*

Affiliation: *LSA Associates, Inc.*

Reviewed by: — 2/24/14 Date

District 1 Caltrans PQS discipline/level: *Sara Atchley Thomas, Caltrans PQS Prehistoric Archaeology - PI*

Approved by: — 02/24/14 Date

District 1 Caltrans EBC discipline/level: *Brandon Larsen, Senior Environmental Planner, Office of Local Assistance*

ATTACHMENT 1

Maps

Figure 1: Regional Location
Figure 2: Project Area
Figure 3: Area of Potential Effects



FIGURE 1

LEGEND

Project Location

0 2.5 5
MILES

SOURCE: ESRI Imagary (4/2013)

I:\MKT1003A\GIS\CULTURAL\mkt1003a_fig1.mxd (4/5/13)

Eureka HIll Road over Garcia River Bridge (10C0034) Retrofit
Federal Project: BRLRT 5901(041)
Mendocino County, California

Regional Location



LEGEND

Area of Potential Effects

FIGURE 2

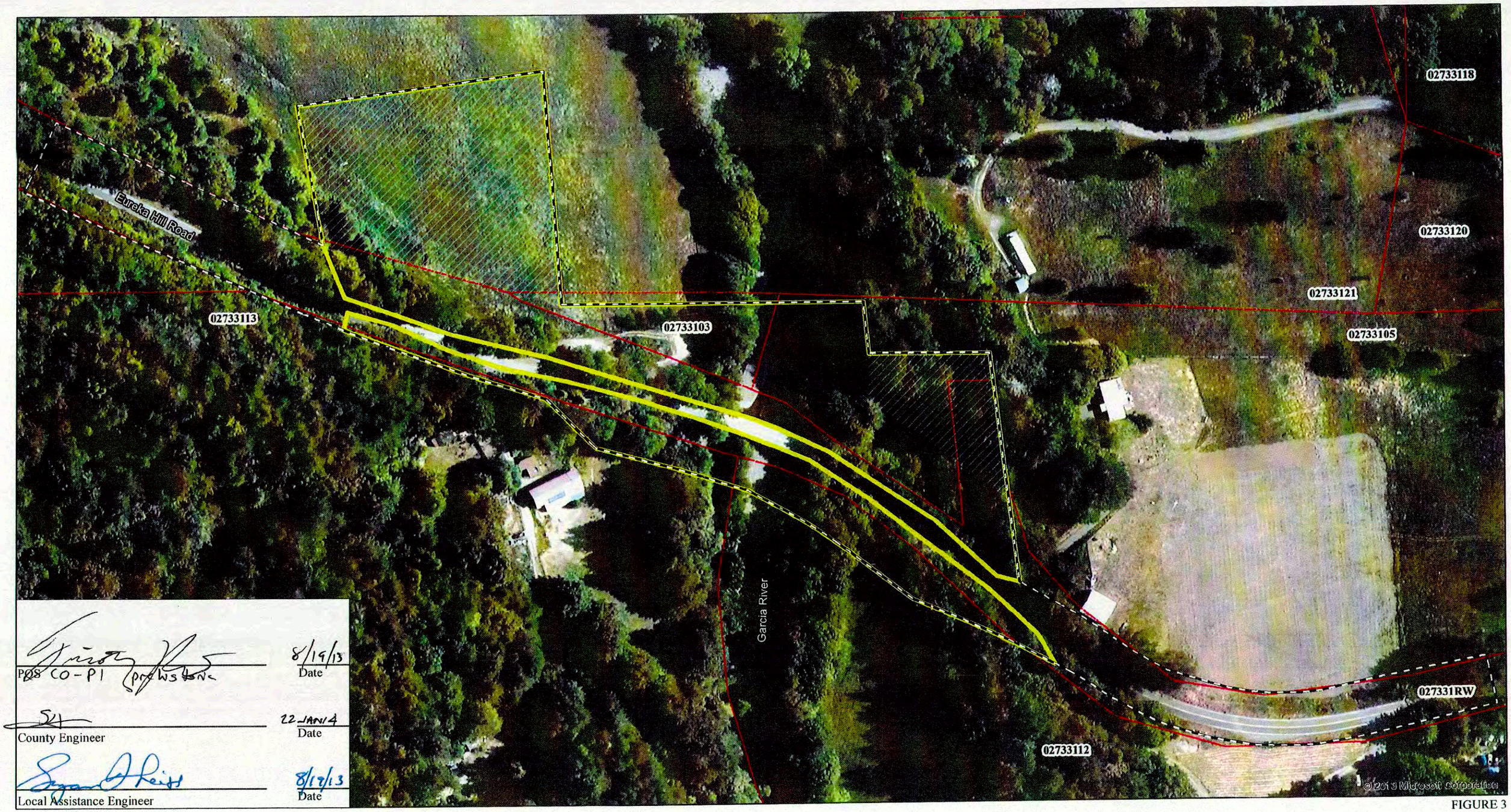
Eureka HIll Road over Garcia River Bridge (10C0034) Retrofit
Federal Project: BRLRT 5901(041)
Mendocino County, California

Project Area

0 0.5 1
MILES

SOURCE: Eureka Hill (USGS), Township 12 North, Range 16 West, portion of section 14

I:\Mkt1003A\GIS\cultural\MKT1003A_fig2.mxd (8/22/2013)



PDS CO-PI	8/19/13 Date
County Engineer	22 JAN 14 Date
Local Assistance Engineer	8/19/13 Date

FIGURE 3

LEGEND

- Area of Potential Effects
- Staging Area
- Parcel
- Temporary Construction Easement

0 70 140
FEET

SOURCE: Bing Maps Aerial (2010)

I:\Mkt1003A\GIS\cultural\mkt1003a_fig3_ResourceswithinAPE.mxd (8/19/2013)

Eureka Hill Road Bridge (10C0034) Replacement
Federal Project Number BRLRT 5901(041)
Mendocino County, California

Area of Potential Effects

ATTACHMENT 2

Native American Heritage Commission Consultation Letters

(To save paper, only one representative set of the maps sent with each request is included here)

LSA ASSOCIATES, INC.
4200 ROCKLIN ROAD, SUITE 11B
ROCKLIN, CALIFORNIA 95677

916.630.4600 TEL
916.630.4603 FAX

BERKELEY
CARLSBAD
FORT COLLINS

FRESNO
IRVINE
PALM SPRINGS

PT. RICHMOND
RIVERSIDE
SAN LUIS OBISPO

FAX TRANSMITTAL

TO: Larry Meyers
Native American Heritage Commission

DATE: April 5, 2013

☒ FOR YOUR REVIEW ☐ FOR YOUR FILES

☐ AT YOUR REQUEST ☐ FOR YOUR INFORMATION

☐ FOR YOUR APPROVAL ☐ DISTRIBUTION

SUBJECT:

PROJECT: Eureka Hill Road over Garcia River Bridge Improvement Project

PROJECT NUMBER: MKT1003A

LSA ASSOCIATES, INC.
4200 ROCKLIN ROAD, SUITE 11B
ROCKLIN, CALIFORNIA 95677
916.630.4600 TEL
916.630.4603 FAX

April 5, 2013

Larry Meyers
Native American Heritage Commission
905 Capitol Mall, Room 364
Sacramento, CA 95814
Fax: 916-657-5390

Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California (LSA Project #MKT1003A)

Dear Mr. Meyers:

Mendocino County, in collaboration with Caltrans, is proposing to seismically retrofit the Eureka Hill Road Bridge (#10C-0034) over Garcia River in Point Arena, Mendocino County, California. LSA Associates, Inc. is conducting a study to determine if the project might affect cultural resources. Please review the Sacred Lands File for any Native American cultural resources that may be within or adjacent to the project area. The project area is located in Section 14, Township 12 North/Range 16 West, as depicted on the accompanying portion of the USGS *Eureka Hill, Calif.* 7.5-minute topographic map.

We also request a list of Native American individuals and organizations who may have knowledge of cultural resources in the project area. If you have any questions, please contact me at the address and phone number above or via e-mail <nichole.jordan@lsa-assoc.com>. I look forward to hearing from you. Thank you.

Sincerely,

LSA ASSOCIATES, INC.

Nichole Jordan

Nichole Jordan, M.A., RPA
Cultural Resources Manager



FIGURE 1

LEGEND

Project Location

0 2.5 5
MILES

SOURCE: ESRI Imagary (4/2013)

I:\MKT1003A\GIS\CULTURAL\mkt1003a_fig1.mxd (4/5/13)

Eureka HIll Road over Garcia River (10C0034) Bridge Replacement
Mendocino County, California

Regional Location

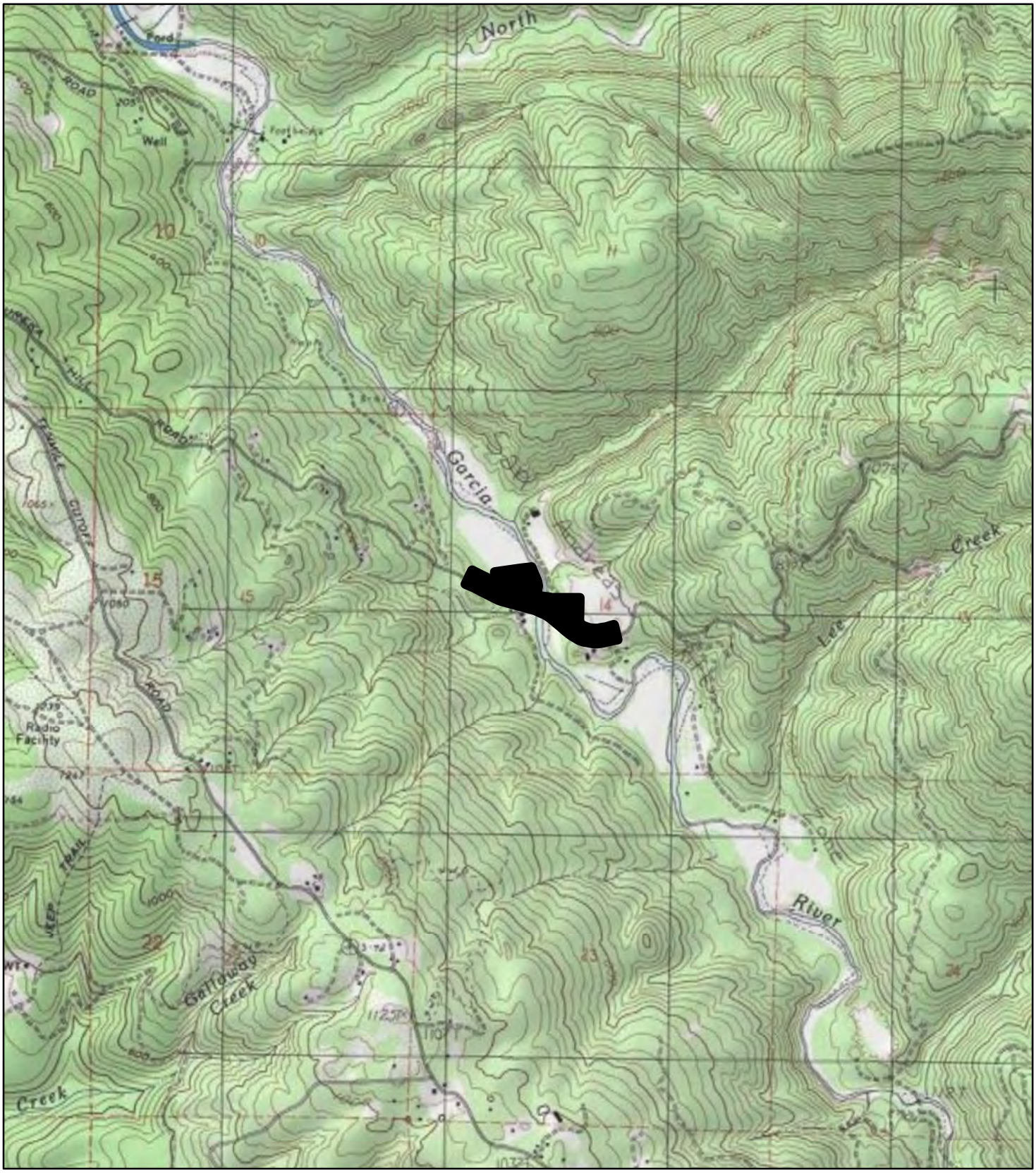


FIGURE 2

LEGEND

Project Area

0 0.5 1

MILES

Eureka HIll Road over Garcia River (10C0034) Bridge Replacement
Mendocino County, California

Project Area

SOURCE: Eureka Hill (USGS), Township 12 North, Range 16 West, portion of section 14

I:\MKT1003A\GIS\CULTURAL\MKT1003A_fig2.mxd (4/5/13)

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390

May 7, 2013

Nichole Jordan
LSA Associates
4200 Rocklin Road, Ste 11B
Rocklin, CA 95677

Sent by Fax: 916-630-4603

Number of Pages: 3

Re: Eureka Hill Road over Garcia River Bridge Improvement project, Mendocino County

Dear Ms. Jordan:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,

Debbie Pilas-Treadway
Environmental Specialist III

Native American Contacts
Mendocino County
May 6, 2013

Coyote Valley Band of Pomo Indians
John Feliz Jr.,Chairperson
P.O. Box 39/ 7901 Hwy 10, Pomo
Redwood Valley , CA 95470
johnfeliz21@aol.com
(707) 485-8723
(707) 485-1247 Fax

Guidiville Band of Pomo Indians
Merlene Sanchez, Chairperson
P.O. Box 339 Pomo
Talmage , CA 95481
admin@guidiville@.net
(707) 462-3682
(707) 462-9183 - Fax

Hopland Band of Pomo Indians
Shawn Padi, Chairperson
3000 Shanel Road \ 98 Shokowa
Hopland , CA 95449 Sokow
spadi@hoplandtribe.com Shanel
(707) 472-2100, Ext 1405 Pomo

(707) 744-1506 - Fax

Laytonville Rancheria/Cahto Indian Tribe
Rochard Smith, Chairperson
P.O. Box 1239 Cahto
Laytonville , CA 95454 Kato
Chairwoman @cahto.org Pomo
(707) 984-6197
(707) 984-6201 Fax

Laytonville Rancheria/Cahto Indian Tribe
Atta P. Stevenson, Cultural Resources
P.O. Box 1404 Cahto
Laytonville , CA 95454 Kato
wtalker101@yahoo.com Pomo
707-841-0058

Manchester-Point Arena Rancheria
Nelson Pinola, Chairperson
P.O. Box 623 Pomo
Point Arena , CA 95468
manptarena@hughes.net
(707) 882-2788
(707) 882-3417 Fax

Pinoleville Pomo Nation
Leona Willams, Chairperson
500 B Pinoleville Drive Pomo
Ukiah , CA 95482
tcouncil@pinoleville-nsn.gov
(707) 463-1454
(707) 463-6601 FAX

Pinoleville Pomo Nation
Angela James, THPO
500 B Pinoleville Drive Pomo
Ukiah , CA 95482
david.s.edmonds@gmail.com
(707) 463-1454
(707) 463-6601 FAX

Pinoleville Pomo Nation
Dave Edmunds, Environmental Director
500 B Pinoleville Drive Pomo
Ukiah , CA 95482
david.s.edmonds@gmail.com
(707) 463-1454
(707) 463-6601 FAX

Pinoleville Pomo Nation
Erika Williams, Section 106 Coordinator
500 B Pinoleville Drive Pomo
Ukiah , CA 95482
david.s.edmonds@gmail.com
(707) 463-1454
(707) 463-6601 FAX

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Eureka Hill Road over Garcia River Bridge Improvement project, Mendocino County

Native American Contacts
Mendocino County
May 6, 2013

Potter Valley Tribe
Greg Young, Environmental Coordinator
2251 South State Street Pomo
Ukiah , CA 95482
(707) 462-1213
(707) 462-1240 FAX

Round Valley Reservation/Covelo Indian Community
Kenneth Wright, President
77826 Covelo Road Yuki ; Nomlaki
Covelo , CA 95428 Pit River
(707) 983-6126 Pomo
(707) 983-6128 - Fax Concow
Wailaki; Wintun

Potter Valley Tribe
Salvador Rosales, Chairperson
2251 South State Street Pomo
Ukiah , CA 95482
pottervalleytribe@comcast.net
(707) 462-1213
(707) 462-1240 - Fax

She Bel Na Band of Pomo Indians
Dina Bowen-Welsh, Secretary
PO Box 1613 Pomo
Fort Bragg , CA 95437
707-964-8126

Redwood Valley Rancheria of Pomo
Elizabeth Hansen, Chairperson
3250 Road I Pomo
Redwood , CA 95470
redwoodres@pacific.net
(707)485-0361
(707) 485-5726 - Fax

Sherwood Valley Rancheria of Pomo
Michael Fitzgerral, Chairperson
190 Sherwood Hill Drive Pomo
Willits , CA 95490
svradministrator@sbcglobal.net

(707) 459-9690
(707) 459-6936 - Fax

Redwood Valley Rancheria of Pomo
Zhao Qui, Cultural Resources Coordinator
3250 Road I Pomo
Redwood , CA 95470
redwoodres@pacific.net
(707)485-0361
Fax:(707) 485-5726

Sherwood Valley Rancheria of Pomo
Talisha Melluish, Cultural Resource Specialist
190 Sherwood Hill Drive Pomo
Willits , CA 95490

(707) 459-9690
(707) 459-6936 - Fax

Redwood Valley Rancheria of Pomo
Steve Nevarez Jr., Environmental Coordinator
3250 Road I Pomo
Redwood , CA 95470
redwoodres@pacific.net
(707)485-0361
Fax:(707) 485-5726

Sherwood Valley Rancheria of Pomo
Hillary Renick, THPO
190 Sherwood Hill Drive Pomo
Willits , CA 95490

(707) 459-9690
(707) 459-6936 - Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Eureka Hill Road over Garcia River Bridge Improvement project, Mendocino County

Native American Contacts
Mendocino County
May 6, 2013

Stewarts Point Rancheria
Emilio Valencia, Chairperson
1420 Guerneville Road, Ste 1 Pomo
Santa Rosa , CA 95403
Emilio@stewartspoint.com

(707) 591-0580-voice
(707) 591-0583 - Fax

Stewarts Point Rancheria
Nina Hapner, Environmental Planning Department
1420 Guerneville Road, Ste 1 Pomo
Santa Rosa , CA 95403
nina@stewartspoint.org
(707) 591-0580 ext107
(707) 591-0583 FAX

Stewarts Point Rancheria THPO
Otis Parish, Tribal Historic Preservation Officer
1420 Guerneville Road, Ste 1 Pomo
Santa Rosa , CA 95403
Otis@stewartspoint.org
(707) 591-0580 EXT 105
(707) 591-0583 FAX

Yokayo Tribe
Chairperson
P.O. Box 362 Pomo
Talmadge , CA 95481

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the propoeed Eureka Hill Road over Garcia River Bridge improvement project, Mendocino County

ATTACHMENT 3

Native American Contacts Consultation Letters

(To save paper, only one representative set of the maps sent with each request is included here)

STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

Flex your power!
Be energy efficient!

August 23, 2013

Hillary Renick
Tribal Historic Preservation Officer
Sherwood Valley Rancheria of Pomo
190 Sherwood Hill Drive Pomo
Willits, CA 95490

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Renick:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Sherwood Valley Rancheria of Pomo within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including

your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR 800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY

EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 23, 2013

Eddie Knight
Coyote Valley Band of Pomo Indians
P.O. Box 3917901 Hwy 10
Redwood Valley, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Mr. Knight:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Coyote Valley Band of Pomo Indians within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

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800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

Flex your power!
Be energy efficient!

August 23, 2013

The Honorable Michael Fitzgerral
Chairperson, Sherwood Valley Rancheria of Pomo
190 Sherwood Hill Drive Pomo
Willits, CA 95490

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Fitzgerral:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
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August 23, 2013

The Honorable Elizabeth Hansen
Chairperson, Redwood Valley Rancheria of Pomo
3250 Road I Pomo
Redwood, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Hansen:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
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August 23, 2013

Patricia Rabano
Cultural Resource Specialist, Sherwood
Valley Rancheria of Pomo
190 Sherwood Hill Drive Pomo
Willits, CA 95490

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Cultural Resource Specialist Melluish:

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North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

Nichole Jordan

From: Nichole Jordan
Sent: Thursday, October 03, 2013 1:46 PM
To: rabano10@gmail.com
Cc: Keefe, Timothy M@DOT; Nichole Jordan (Nichole.Jordan@lsa-assoc.com)
Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California
Attachments: MKT1003A_sherwood valley.pdf

Ms. Patricia Rabano,

Per your request, I have attached the initial consultation documentation for the above referenced Project that was sent to yourself, Michael Fitzgerral, and Hillary Renick on August 23, 2013. If you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

DEPARTMENT OF TRANSPORTATION
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EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
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August 23, 2013

The Honorable John Feliz Jr.
Chairperson, Coyote Valley Band of Pomo Indians
P.O. Box 3917901 Hwy 10
Redwood Valley, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Feliz:

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
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August 23, 2013

Nina Hapner
Environmental Planning Department,
Stewarts Point Rancheria
1420 Guerneville Road, Ste 1
Santa Rosa, CA 95403

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Hapner:

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August 23, 2013

Steve Nevarez Jr.
Environmental Coordinator, Redwood Valley
Rancheria of Pomo
3250 Road I Pomo
Redwood, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Environmental Coordinator Nevarez Jr.:

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August 23, 2013

Erika Williams
Section 106 Coordinator, Pinoleville Pomo Nation
500 B Pinoleville Drive
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Williams:

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If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

Nichole Jordan

From: Nichole Jordan
Sent: Thursday, October 03, 2013 2:07 PM
To: ericac@pinoleville-msn.us; lilawa4pomo2@yahoo.com
Cc: Keefe, Timothy M@DOT; Nichole Jordan (Nichole.Jordan@lsa-assoc.com)
Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California
Attachments: MKT1003A_Pinoleville Pomo.pdf

Ms. Erica Clarson,

Per your request, I have attached the initial consultation documentation for the above referenced Project that was sent to Erika Williams, Dave Edmunds, and Angela James on August 23, 2013. If you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

PINOLEVILLE POMO NATION

Tribal Historic Preservation Office

500 B. Pinoleville Ukiah, CA 95482 Ph: 707-463-1454 FAX: 707-463-6601

October 8, 2014

Nicole Jordan,
Department of Transportation
District 1, P.O. Box 3700
Eureka, CA 95502-3700

RE: 01-Mendocino County –NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road Over Garcia River
Bridge Seismic Retrofit Project

Dear Nicole Jordan:

We are apologizing for getting this to you late. Thank you for your inquiry about the project described in your letter. After further review, The Pinoleville Pomo Nation has no interest in the areas that are being purposed; however, this does not mean that there is no culturally important site in the locations. If evidence of a site is discovered while your project is being carried out, Pinoleville Pomo Nation requests that you notify us immediately. We would appreciate knowing of any archaeological evidence you may uncover.

Thank you for your efforts to work with the tribes on these matters.

Sincerely,

Erica Carson Jr,
Tribal Historic Preservation Officer

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 23, 2013

Angela James
THPO, Pinoleville Pomo Nation
500 B Pinolevlle Drive
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. James:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Pinoleville Pomo Nation within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 23, 2013

Dave Edmunds
Environmental Director, Pinoleville Pomo Nation
500 B Pinoleville Drive
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Environmental Director Edmunds:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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FAX (707) 441-5775
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August 29, 2013

Mr. Otis Parish
Tribal Historic Preservation Officer
Stewarts Point Rancheria
1420 Guerneville Road, Ste 1
Santa Rosa, CA 95403

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Mr. Parish:

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Caltrans understands that there is the possibility that there could be resources of concern to the Stewarts Point Rancheria within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

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Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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FAX (707) 441-5775
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August 29, 2013

The Honorable Merlene Sanchez, Chairperson
Guidlville Band of Pomo Indians
P.O. Box 339
Talmage, CA 95481

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Sanchez:

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 29, 2013

The Honorable Shawn Padi
Chairperson, Hopland Band of Pomo Indians
3000 Shanel Road
Hopland, CA 95449

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Padi:

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
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August 29, 2013

The Honorable Salvador Rosales
Chairperson, Potter Valley Tribe
2251 South State Street
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Rosales:

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Caltrans understands that there is the possibility that there could be resources of concern to the Potter Valley Tribe within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

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If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 29, 2013

The Honorable Nelson Pinola, Chairman
Manchester Band of Pomo Indians
P.O. Box 623
Point Arena, CA 95468

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairman Pinola:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Manchester Band of Pomo Indians within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as

the acting lead Federal agency would take the lead in this consultation as required under 36 CFR 800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

Nichole Jordan

From: Nichole Jordan
Sent: Tuesday, October 08, 2013 11:43 AM
To: christi.dukatz@gmail.com
Cc: Keefe, Timothy M@DOT
Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California
Attachments: Untitled Extract Pages.pdf

Good Afternoon Christi,

Thank you for taking my call this morning in regard to follow-up consultation (initial documentation attached) for the above referenced Project that was sent to the Nelson Pinola of the Manchester Band of Pomo Indians on August 29, 2013. If you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
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August 29, 2013

The Honorable Richard Smith, Chairperson
Laytonville Rancheria/Cahto Indian Tribe
P.O. Box 1239
Laytonville, CA 95454

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Smith:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Laytonville Rancheria/Cahto Indian Tribe within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR 800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to

either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

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If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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FAX (707) 441-5775
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August 29, 2013

Mr. Greg Young
Environmental Coordinator,
Potter Valley Tribe
2251 South State Street
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Mr. Young:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

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Caltrans understands that there is the possibility that there could be resources of concern to the Potter Valley Tribe within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

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North Region Environmental Branch-E1
District 1, Caltrans

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Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
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August 29, 2013

The Honorable Kenneth Wright
President, Round Valley Reservation/Covelo Indian Community
77826 Covelo Road
Covelo, CA 95428

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

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North Region Environmental Branch-E1
District 1, Caltrans

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Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

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DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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FAX (707) 441-5775
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August 29, 2013

Mona Oandasan,
Tribal Historic Preservation Officer
Round Valley Reservation/Covelo Indian Community
77826 Covelo Road
Covelo, CA 95428

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Oandasan:

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
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August 29, 2013

The Honorable Emilio Valencia, Chairperson
Stewarts Point Rancheria
1420 Guerneville Road, Ste 1
Santa Rosa, CA 95403

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Valencia:

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Caltrans understands that there is the possibility that there could be resources of concern to the Stewarts Point Rancheria within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

Nichole Jordan

From: Nichole Jordan
Sent: Thursday, October 03, 2013 4:03 PM
To: emilio@stewartspoint.com
Cc: Keefe, Timothy M@DOT; Nichole Jordan (Nichole.Jordan@lsa-assoc.com)
Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California
Attachments: MKT1003A_Stewarts Point.pdf

Honorable Emilio Valencia,

I am emailing you to follow-up on a consultation documentation (attached) for the above referenced Project that was sent to yourself, Nina Hapner, and Otis Parish on August 29, 2013. If you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

Flex your power!
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August 29, 2013

Mr. Zhao Qui
Cultural Resources Coordinator, Redwood
Valley Rancheria of Pomo
3250 Road I Pomo
Redwood, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Mr. Qui:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Redwood Valley Rancheria of Pomo within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including

your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR 800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 29, 2013

Chairperson, Yokayo Tribe
P.O. Box 362
Talmadge, CA 95481

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson of the Yokayo Tribe:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Yokayo Tribe within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the

Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 29, 2013

Ms. Dina Bowen-Welsh
Secretary, She Bel Na Band of Pomo Indians
PO Box 1613
Fort Bragg, CA 95437

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retiorift Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Bowen-Welsh:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the She Bel Na Band of Pomo Indians within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native

American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 29, 2013

The Honorable Leona Williams
Chairperson, Pinoleville Pomo Nation
500 B Pinoleville Drive
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Williams:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Pinoleville Pomo Nation within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR

800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

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If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

ATTACHMENT 4

Historical Society Consultation Letters

(To save paper, only one representative set of the maps sent with each request is included here)

LSA ASSOCIATES, INC.
4200 ROCKLIN ROAD, SUITE 11B
ROCKLIN, CALIFORNIA 95677
916.630.4600 TEL
916.630.4603 FAX
BERKELEY
CARLSBAD
FORT COLLINS
FRESNO
IRVINE
PALM SPRINGS
PT. RICHMOND
RIVERSIDE
SAN LUIS OBISPO

August 28, 2013

County of Mendocino
Attn: Archaeological Commission of Mendocino County
501 Low Gap Road
Ukiah, CA

Subject: Eureka Hill Road over Garcia River Bridge Retrofit Project, near Point Arena, Mendocino County, California (LSA Project #MKT1003A)

Dear County of Mendocino:

The County of Mendocino is proposing to retrofit the *Garcia River Bridge* (No. 10C0034) that carries Eureka Hill Road over the Garcia River, approximately 5.3 miles east of Point Arena, Mendocino County, California. LSA Associates, Inc. is conducting a study to determine if the project might affect cultural resources. The project area is located in Township 12 North, Range 16 West, within a portion of section 14, Mount Diablo Base Line and Meridian, as depicted on the accompanying portion of the USGS *Eureka Hill, Calif.* 7.5' topographic map.

Please notify us if your organization has any information or concerns about historical sites in the project area. This is not a request for research; it is solely a request for public input for any concerns that the historical society may have. If you have any questions, please contact me at your earliest convenience.

Sincerely,

LSA ASSOCIATES, INC.

Nichole Jordan

Nichole Jordan, M.A., RPA
Cultural Resources Manager



FIGURE 1

LEGEND

Project Location

0 2.5 5
MILES

SOURCE: ESRI Imagary (4/2013)

I:\MKT1003A\GIS\CULTURAL\mkt1003a_fig1.mxd (4/5/13)

Eureka HIll Road over Garcia River (10C0034) Bridge Replacement
Mendocino County, California

Regional Location

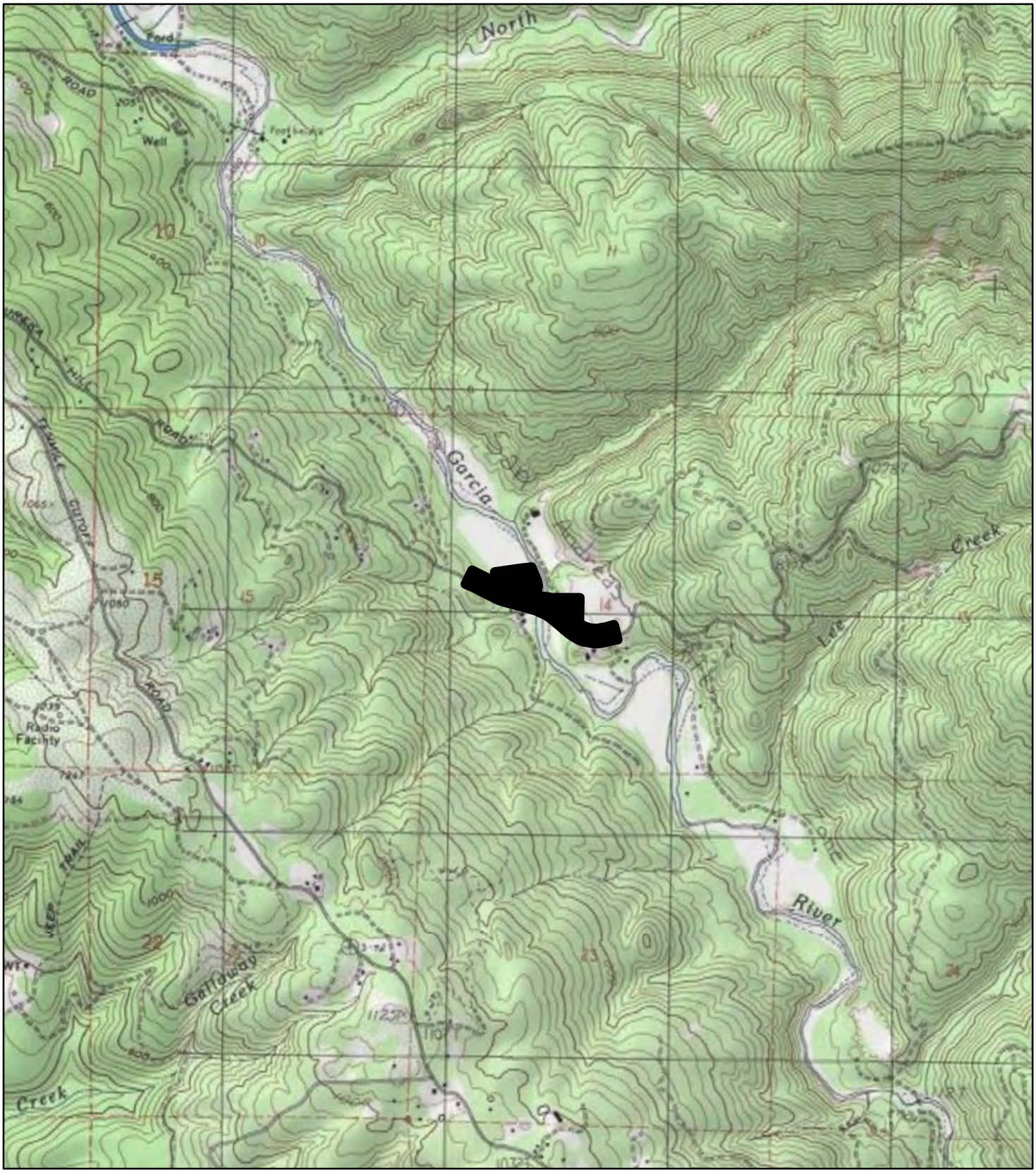


FIGURE 2

LEGEND

Project Area

0 0.5 1

MILES

Eureka HIll Road over Garcia River (10C0034) Bridge Replacement
Mendocino County, California

Project Area

SOURCE: Eureka Hill (USGS), Township 12 North, Range 16 West, portion of section 14

I:\MKT1003A\GIS\CULTURAL\MKT1003A_fig2.mxd (4/5/13)

Nichole Jordan

From: Nichole Jordan
Sent: Friday, October 04, 2013 8:25 AM
To: Dusty Duley
Cc: Keefe, Timothy M@DOT
Subject: RE: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California

Dusty,

Thank you for providing comments. We will be sure to send you approved copies of the cultural resources documents.

Thank you for your time and enjoy your day.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

From: Dusty Duley [mailto:duleyd@co.mendocino.ca.us]
Sent: Friday, October 04, 2013 8:10 AM
To: Nichole Jordan
Subject: Re: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California

Nichole,
Thank you for the opportunity to provide comments. The Commission would simply request a copy of cultural resources study once completed. Thanks again.
Dusty

Dusty Duley
Planner
Mendocino County
Planning and Building Services
860 N. Bush St.
Ukiah, CA 95482
Phone: (707) 463-4281
FAX: (707) 463-5709
email: duleyd@co.mendocino.ca.us
Web site: www.co.mendocino.ca.us/planning/>>> "Nichole Jordan" <Nichole.Jordan@lsa-assoc.com> 10/3/2013 4:41 PM >>>
Good Afternoon Dusty,

Thank you for taking my call this afternoon in regard to follow-up consultation (initial documentation attached) for the above referenced Project that was sent to the Archaeological Commission of Mendocino County on August 28, 2013. If

you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

LSA ASSOCIATES, INC.
4200 ROCKLIN ROAD, SUITE 11B
ROCKLIN, CALIFORNIA 95677

916.630.4600 TEL
916.630.4603 FAX

BERKELEY
CARLSBAD
FORT COLLINS
FRESNO
IRVINE
PALM SPRINGS
PT. RICHMOND
RIVERSIDE
SAN LUIS OBISPO

April 18, 2013

Mendocino County Historical Society
603 West Perkins Street
Ukiah, CA 95482
(707) 462-6969

Subject: Eureka Hill Road over Garcia River Bridge Retrofit Project, near Point Arena, Mendocino County, California (LSA Project #MKT1003A)

Dear Mendocino County Historical Society:

The County of Mendocino is proposing to retrofit the *Garcia River Bridge* (No. 10C0034) that carries Eureka Hill Road over the Garcia River, approximately 5.3 miles east of Point Arena, Mendocino County, California. LSA Associates, Inc. is conducting a study to determine if the project might affect cultural resources. The project area is located in Township 12 North, Range 16 West, within a portion of section 14, Mount Diablo Base Line and Meridian, as depicted on the accompanying portion of the USGS *Eureka Hill, Calif.* 7.5' topographic map.

Please notify us if your organization has any information or concerns about historical sites in the project area. This is not a request for research; it is solely a request for public input for any concerns that the historical society may have. If you have any questions, please contact me at your earliest convenience.

Sincerely,

LSA ASSOCIATES, INC.

Nichole Jordan

Nichole Jordan, M.A., RPA
Cultural Resources Manager

ATTACHMENT 5

Structure Maintenance & Investigations*: *Historical Significance – Local Agency Bridges
(Caltrans 2013)

Structure Maintenance & Investigations



Historical Significance - Local Agency Bridges

District 01

Mendocino County

Bridge Number	Bridge Name	Location	Historical Significance	Year Built	Year Wid/Ext
10C0001	ORRS CREEK	0.2 MI S OF LOW GAP RD	5. Bridge not eligible for NRHP	1972	
10C0002	FELIZ CREEK	0.1 MI SW SR101 HOPLAND	4. Historical Significance not determined	1991	
10C0005	EEL RIVER BR & OH	0.5 MI NW OF SR 162	5. Bridge not eligible for NRHP	1966	
10C0013	EEL RIVER	5 MI N MAIN IN POTTR VLY	5. Bridge not eligible for NRHP	1989	
10C0016	SHERWOOD CREEK	10.1 MI NE OF US 101	5. Bridge not eligible for NRHP	1947	
10C0018	SHERWOOD CREEK	0.5 MI W JCT SHERWOOD RD	5. Bridge not eligible for NRHP	1979	
10C0030	MORRISON CREEK	4 MI S SR 222	5. Bridge not eligible for NRHP	1996	
10C0032	NAVARRO RIVER	0.4 MI W OF SR 128	5. Bridge not eligible for NRHP	1949	1951
10C0034	GARCIA RIVER	4.9 MI W OF RTE 1	5. Bridge not eligible for NRHP	1969	
10C0045	FORSYTHE CREEK	1/4 MI S OF SR 101	5. Bridge not eligible for NRHP	1990	
10C0046	NORTH FORK GUALALA RIVER	2 MI E JCT SR 1	2. Bridge is eligible for NRHP	1940	
10C0047	ORRS CREEK	1 MI S GIBSON ST	5. Bridge not eligible for NRHP	1960	
10C0048	WEST BRANCH RUSSIAN RIVER	0.1 MI E JCT N STATE ST	5. Bridge not eligible for NRHP	1958	1966
10C0057	RUSSIAN RIVER	1 MI E OF US 101	5. Bridge not eligible for NRHP	1987	
10C0058	SALT HOLLOW CREEK	2.15 MI N SH 20	5. Bridge not eligible for NRHP	1940	1962
10C0060	NORTH FORK EEL RIVER	4.2 MI S TRINITY CO LINE	5. Bridge not eligible for NRHP	1967	
10C0061	LONG VALLEY CREEK	ADJ TO US 101	5. Bridge not eligible for NRHP	1989	
10C0064	MASONITE ROAD UC	100 FT S OF ORR SPRING RD	5. Bridge not eligible for NRHP	1949	2010
10C0065	ACKERMAN CREEK	0.2 MI N ORR SPRINGS RD	5. Bridge not eligible for NRHP	1965	
10C0066	HENSLEY CREEK	0.2 MI S LAKE MNDOCINO DR	5. Bridge not eligible for NRHP	1973	1983
10C0067	YORK CREEK	2.3 MI N OF 101	5. Bridge not eligible for NRHP	1980	
10C0068	BROADDUS CREEK	0.3 MI E JCT SR 101	5. Bridge not eligible for NRHP	1966	
10C0069	NORTH FORK ALBION RIVER	13.4 MI E JCT SR 1	5. Bridge not eligible for NRHP	1965	
10C0070	EEL RIVER	5.4 MI N JCT TOMKI RD	5. Bridge not eligible for NRHP	1957	
10C0073	DUTCH CHARLIE CREEK	0.7 MI N OF BRANSCOMB RD	5. Bridge not eligible for NRHP	1969	
10C0077	FORSYTHE CREEK	0.5 MI WEST OF US 101	5. Bridge not eligible for NRHP	1965	
10C0078	MILL CREEK	3.1 MI W SR 101	5. Bridge not eligible for NRHP	1981	
10C0079	SOUTH FORK TEN MILE RIVER	1.8 MILES EAST OF SR 1	5. Bridge not eligible for NRHP	1965	
10C0080	MIDDLE FORK EEL RIVER	10.5 MI EAST OF COVELO	5. Bridge not eligible for NRHP	1983	
10C0081	SOUTH FORK EEL RIVER	0.5 MI E WLDRNES LODGE RD	5. Bridge not eligible for NRHP	1961	
10C0082	REDWOOD CREEK	10.10 MI E FROM SH 1	5. Bridge not eligible for NRHP	1967	
10C0083	REDWOOD CREEK	0.8 MI W INTX CR 320	5. Bridge not eligible for NRHP	1981	
10C0084	WEST BRANCH RUSSIAN RIVER	1.14 MI E FROM US 101	5. Bridge not eligible for NRHP	1967	
10C0086	ROBINSON CREEK	IN BOONVILLE	5. Bridge not eligible for NRHP	1968	
10C0087	COLD CREEK	0.20 MI N SH 20	5. Bridge not eligible for NRHP	1922	
10C0089	CON CREEK	1.2 MI N OF S.H. 128	5. Bridge not eligible for NRHP	1938	
10C0091	ORRS CREEK	24.9 MI N SON CO LINE	5. Bridge not eligible for NRHP	1926	1950
10C0093	PARSONS CREEK	7.0 MI S/O TALMAGE RD	5. Bridge not eligible for NRHP	1948	
10C0094	CRAWFORD CREEK	13.3 MI N/W FROM US 101	5. Bridge not eligible for NRHP	1948	
10C0095	RANCHERIA CREEK	4.0 MI E/O RTE 128	5. Bridge not eligible for NRHP	1935	
10C0096	WEST BRANCH RUSSIAN RIVER	E OF JCT W RD & TOMKI RD	5. Bridge not eligible for NRHP	1990	
10C0097	WILLIAMS CREEK	8.0 MI E/O COVELO	5. Bridge not eligible for NRHP	1983	
10C0098	KENNY CREEK	1.2 MI W/O BRANSCOMB RD	5. Bridge not eligible for NRHP	1957	

ATTACHMENT 6

Archaeological Survey Report

ARCHAEOLOGICAL SURVEY REPORT FOR THE EUREKA HILL ROAD OVER GARCIA RIVER BRIDGE RETROFIT PROJECT

MENDOCINO COUNTY, CALIFORNIA

CALTRANS DISTRICT 1

BRLRT 5901(041)
10

Prepared by NICHOLE JORDAN
Nichole Jordan, M.A., RPA # 989208
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, California 95677

Reviewed by
Sara Atchley Thomas
Caltrans PQS/PI Prehistoric Archaeology
Caltrans District 1
1656 Union St
Eureka, CA 95501

Approved by
Brandon Larsen
Senior Environmental Planner, Office of Local Assistance
Caltrans District 1
1656 Union St
Eureka, CA 95501

USGS 7.5-minute topographic quadrangle: *Eureka Hill, Calif.*
Acreage: Approximately 10-7 acre
Township and Range: *Township 12 North/Range 16 West, Mount Diablo base line and meridian.*

Keywords: Eureka Hill Road Bridge (Bridge No. 10C-0034)

January 2014

ARCHAEOLOGICAL SURVEY REPORT FOR THE EUREKA HILL ROAD OVER GARCIA RIVER BRIDGE RETROFIT PROJECT

MENDOCINO COUNTY, CALIFORNIA

FEDERAL AID PROJECT NO. BRLRT 5901(041)

Prepared for

Mendocino County Department of Transportation
Howard Dashiell
340 Lake Mendocino Drive
Ukiah, CA 95482

Prepared by

Nichole Jordan, M.A., RPA # 989208
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, California 95677

LSA Project #MKT1003A

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SUMMARY OF FINDINGS

The County of Mendocino, with funding administered through the Federal Highway Administration and in coordination with the California Department of Transportation, proposes the Eureka Hill Road over Garcia River Bridge Retrofit Project (Project), near Point Arena, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River (Appendix A: Figure 1 and 2).

The Project will rely on federal funding and meets the definition of an "undertaking" according to 36 CFR §800.16(y). California Department of Transportation, acting as the lead agency under the delegated authority of the Federal Highway Administration is providing oversight of this undertaking in accordance with the *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 Federal-Aid Highway Program in California* (2004).

This Archaeological Survey Report also addresses requirements of the National Environmental Policy Act under authority delegated to the California Department of Transportation by the Federal Highway Administration in accordance with the provisions of the *Memorandum of Understanding between the FHWA and Caltrans concerning the State of California's Participation in the Surface Transportation Project Delivery Pilot Program Pursuant to 23 U.S.C. 327*, which became effective 1 October 2012 (Caltrans 2012). The California Department of Transportation is acting as the lead federal agency for this undertaking and providing regulatory oversight. The Memorandum of Understanding was signed pursuant to 23 U.S.C. 327 as amended by Moving Ahead for Progress in the 21st Century Act (MAP-21) which allows the California Department of Transportation environmental review and consultation responsibilities under the National Environmental Policy Act. This Archaeological Survey Report also addresses requirements of the California Environmental Quality Act.

This Archaeological Survey Report consisted of archival and background research, a field survey on November 4, 2013, consultation with potentially interested parties, and an archaeological sensitivity assessment. The Northwest Information Center records search and background research identified no recorded archaeological resources in, or within a 1/4-mile of, the Area of Potential Effects. During intensive pedestrian survey of the Area of Potential Effects, ground visibility was limited by developed surfaces and vegetation. Ground visibility in the Area of Potential Effects along road shoulders was 100-60 percent except in the southeast portion where visibility was reduced to 0 percent.

No archaeological resources were identified by the records search or field survey. The archaeological sensitivity assessment identifies low sensitivity for encountering prehistoric archaeological deposits and low sensitivity for encountering historic-period archaeological deposits within the Area of Potential Effects.

It is the policy of the California Department of Transportation to avoid cultural resources whenever possible. Further investigations may be needed if the site(s) 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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INTRODUCTION

The County of Mendocino, with funding administered through the Federal Highway Administration (FHWA) and in coordination with the California Department of Transportation (Caltrans), proposes the Eureka Hill Road over Garcia River Bridge Retrofit Project (Project), near Point Arena, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River (Appendix A: Figures 1 and 2).

The Area of Potential Effects (APE) is along Eureka Hill Road at Garcia River Bridge, Mendocino County, California. The Regional Location, Project Area, and Area of Potential Effects maps are in Appendix A: Figures 1-3.

This report was prepared by LSA Associates, Inc. (LSA), Senior Cultural Resources Manager Nichole Jordan. Ms. Jordan has a Master of Arts degree in applied anthropology from California State University, East Bay, and ten years of experience in California archaeology and history. Ms. Jordan meets the *Secretary of the Interior Professional Qualifications Standards* for archaeology and history and is Registered Professional Archaeologist Number 989208. The field survey was conducted on November 4, 2013, by Ms. Jordan.

PROJECT LOCATION, PROJECT DESCRIPTION, AND AREA OF POTENTIAL EFFECTS

PROJECT LOCATION

The APE is in Caltrans District 1, in Mendocino County on Eureka Hill Road, approximately 5.3 miles east of Point Arena (Appendix A: Figures 1, 2, and 3). The Federal Aid Number is BRLRT 5901(041). The APE is in a rural, mountainous setting. The Project includes seismic retrofits of the Garcia River Bridge (Bridge No. 10C-0034) over the Garcia River.

The Project within the APE has low potential to affect archaeological historic properties.

PROJECT DESCRIPTION

The existing Garcia River Bridge is a Category 5: bridge not eligible for listing on the National Register of Historic Places (National Register) (Historic Property Survey Report [HPSR] Attachment 5). The four-span, 320 foot long by 22 foot 8 inch wide structure was built by the Army Corps of Engineers (USACE) in 1969. It consists of a reinforced concrete box girder superstructure supported by cast in steel shell piles and seat type abutments. The Project will strengthen the structural components to resist seismic loads on the structure and loads imposed by soil movement. Support is provided at the ends of the superstructure near the abutments.

Retrofit work includes the addition of steel column casings to all bent columns, and adding piles and top mats of reinforcing to all bent foundations. This work will include: adding four 72-inch Cast-In-Drilled-Hole (CIDH) piles at each end of the bridge, two on each side, drilled to an elevation below the level of competent soil for the support of the superstructure in the event the soil supporting the abutments migrates into the channel during an earthquake; concrete girders between the CIDH pile groups for vertical support of the superstructure; and adding bumpers to the superstructure soffit.

These improvements will require temporary access to the streambed in order to construct column casings to the bent columns and top mats to the bent foundations. However, all temporary access will be removed once the seismic improvements have been completed, and the disturbed area will be restored to the pre-project conditions. The resulting spoils of CIDH piles will be disposed of outside of the public right-of-way (ROW), in accordance with the contract specifications. Temporary access will be provided by the old roadway alignment. Dewatering is anticipated to construct the footing retrofit at the three piers.

As is standard with all roadway projects, the contractor will be required to install temporary Best Management Practices (BMPs) to control any runoff or erosion from the project site, into the surrounding waterways. These temporary BMPs will be installed prior to any construction operations and will be in place for the duration of the contract. The removal of these BMPs will be the final operation, along with the project site cleanup.

There is a telephone/fiber optic conduit attached to the bridge on the north side and a telephone line attached to the south side of the bridge. These utilities may be in conflict with the retrofit work near the abutments.

No new ROW will be acquired for the Project. A temporary construction easement (TCE) will be necessary throughout the center of the APE (Appendix A: Figure 3). A borrow area will not be required.

Construction Staging

It is likely that the Eureka Hill Road Bridge will need to be limited to one lane traffic control for some construction activities, including drilling CIDH piles. There are limited east-west connections between State Route 1 and State Route 128 and closing Eureka Hill Road and detouring traffic would equate to a 125-mile detour around the project site. Two areas (one on each side of the Garcia River) north of the bridge are available for potential construction staging areas.

AREA OF POTENTIAL EFFECTS

The APE for the Project was established in consultation with Timothy Keefe, Professionally Qualified Staff - Prehistoric Archaeology; Suzanne L. Theiss, Local Assistance Engineer, on August 19, 2014; and Alicia Meier, Mendocino County Engineer on January 22, 2014 (Appendix A: Figure 3).

The 10.7-acre APE is along Eureka Hill Road at Garcia River Bridge, approximately 2,500 feet (0.7 miles) long by 100 to 540 feet wide throughout most of its length and has been bounded to include the maximum extent of ground disturbance including staging areas and access roads (Appendix A: Figure 3). The project will not acquire new ROW.

The vertical APE for the Project is defined as the estimated maximum depth of ground disturbance within the APE. These depths are listed per construction activity below.

Construction Activity	Estimated Depth of Ground Disturbance
Abutment 1 Retrofit	100 feet below surface
Telephone/Fiber Optic Line	3 feet below surface
Construction Staging	½ foot below surface
Roadway Alignment within Garcia River	½ foot below surface
Footing Retrofit (Piers 2 & 3)	60 feet below surface
Footing Retrofit (Pier 4)	80 feet below surface
Abutment 2 Retrofit	110 feet below surface

SOURCES CONSULTED

Background research was conducted to identify previously recorded cultural resources within and cultural resource studies of the APE. The background research consisted of a records search and a literature review. On August 9, 2010, LSA conducted a records search (10-0137) of the APE and a 2-mile radius at the Northwest Information Center (NWIC) of the California Historical Resources Information System, California State University, Sonoma (Appendix E). The NWIC, an affiliate of the State of California Office of Historic Preservation, is the official state repository of cultural resource records and reports for Mendocino County.

RECORDS SEARCH

The records search included a review of the following federal and state inventories:

- *California Inventory of Historic Resources* (California Office of Historic Preservation 1976);
- *California Points of Historical Interest* (California Office of Historic Preservation 1992);
- *California Historical Landmarks* (California Office of Historic Preservation 1996);
- *Directory of Properties in the Historic Property Data File* (California Office of Historic Preservation, May 18, 2010). The directory includes the listings of the National Register, National Historic Landmarks, the California Register of Historical Resources, California Historical Landmarks, and California Points of Historical Interest.

Results of the records search indicate that the APE has never been surveyed; however, four previous studies have been conducted within two miles of the APE. No resources are recorded within the APE. Three previously identified historic-period built environment resources are recorded within two miles of the APE.

Previous studies within two miles of the APE:

Borras, Thembi
2008 *Confidential Archaeological Addendum of the Roddy NTMP*. Borass Forestry Services, Point Arena, California.

This report documents the results of background research, interested parties consultation, and a field survey which located three historic-period built environment cultural resources within 2 miles of the APE. These resources are listed below:

- *P-4780*: a cabin built in 1942.
- *P-4781*: a root cellar built in the 1940s.
- *P-4782*: a trail segment of unknown antiquity.

Langeger, Paula
1996 *Archaeological and Historical Resources Survey and Impact Assessment for ShoeGin THP: A Supplemental Report for a Timber Harvesting Plan*. VanderHorst Forestry, Inc. Ukiah, California.

This report documents the results of background research, interested parties consultation and a field survey. No cultural resources were identified during this study.

Mileham, Francis
2006 *Archaeological Survey Report for the Stillman Timber Harvesting Plan, Mendocino County, California*. NRM Corporation, Eureka, California.

This report documents the results of background research, interested parties consultation and a field survey. No cultural resources were identified during this study.

Powers, Mike
2001 *Confidential Archaeological Addendum for Timber Operations on Non-Federal Lands in California, Rolling Lee THP*. Mendocino Redwood Company, LLC, Fort Bragg, California.

This report documents the results of background research, interested parties consultation and a field survey. No cultural resources were identified during this study.

Rogers, Robert L.
2000 *Confidential Archaeological Addendum for Timber Operations on Non-Federal Lands in California, Eureka Hill*. Rogers Forest Management, Ukiah, California.

This report documents the results of background research, interested parties consultation and a field survey. No cultural resources were identified during this study.

LITERATURE REVIEW

LSA reviewed publications, maps, local historical directories, and websites for archaeological, ethnographic, historical, and environmental information about the APE and its vicinity. Literature reviewed here includes:

- *Historical Atlas of California* (Beck and Haase 1974);
- *Structure Maintenance & Investigations* (Caltrans 2013);
- *Five Views: An Ethnic Historic Sites Survey for California* (California Office of Historic Preservation 1988);
- *California Soil Resource Laboratory* (California Soil Resource Lab 2013);
- *The Epidemic of 1830-1833 in California and Oregon* (Cook 1955);
- *California Place Names: The Origin and Etymology of Current Geographical Names* (Gudde and Bright 1998, 2010);
- *California Geology* (Harden 1998);
- *Historical Atlas of California* (Hayes 2007);

- *California* (Heizer 1978);
- *Historic Spots in California* (Hoover et al. 2002);
- *Internet Archive* (Internet Archive 2001);
- *Handbook of the Indians of California* (Kroeber 1925);
- *California 1850: A Snapshot in Time* (Marschner 2001);
- *California Archaeology* (Moratto 1984);
- *Geologic Map of the Santa Rosa Quadrangle, California* (Wagner and Bortugno 1982); and
- *Point Arena, Calif.* (USACE 1943; United States Geological Survey [USGS] 1960).

Map Research

The historic map search results are presented here. Maps are provided in Appendix F. Other literature review materials are presented in this report's environmental and cultural setting sections.

Point Arena, California (USACE 1943) 15-minute topographic quadrangle depicts Eureka Hill Road and the Garcia River Bridge in their former alignments. Building footprints are depicted adjacent to the APE north and south of Eureka Hill Road and west of Garcia River Bridge. A two-track dirt road, terminating at "Moungovans Ranch", is depicted within the APE on the north side of Eureka Hill Road and east of the Garcia River Bridge.

Point Arena, California (USGS 1960) 15-minute topographic quadrangle depicts Eureka Hill Road and the Garcia River Bridge in their former alignments. Building footprints are depicted outside the APE south of Eureka Hill Road and west of Garcia River Bridge. A two-track dirt road is depicted within the APE on the north side of Eureka Hill Road and east of the Garcia River Bridge.

INTERESTED PARTIES CONSULTATION

NATIVE AMERICAN CONSULTATION

Native American Heritage Commission: On April 5, 2013, LSA sent a letter describing the project with maps depicting the APE to the Native American Heritage Commission (NAHC) in Sacramento asking the NAHC to review their Sacred Lands File for any Native American cultural resources that might be affected by the Project. Also requested were the names of Native Americans who might have information or concerns about the project. In a fax dated May 7, 2013, Debbie Pilas-Treadway, Environmental Specialist III, informed LSA that a search of the Sacred Lands File did not "indicate the presence of Native American cultural resources in the immediate project area." Ms. Treadway also provided a list of Native American contacts (Appendix B).

LSA provided the list of Native American contacts to Caltrans. Per Caltrans request, LSA prepared letters that described the project, included maps depicting the APE, and requested any information or concerns regarding cultural resources within the APE (Appendix C). On August 23, 2013 and August 29, 2013, LSA sent the letters to the Native American contacts. Responses to the consultation letters are provided below:

John Feliz, Jr., Chairperson, Coyote Valley Band of Pomo Indians: In an October 2, 2013, follow-up telephone call the tribal receptionist notified LSA that Mr. Feliz, Jr. is no longer the Chairperson and that Michael Hunter is the current Chairperson. The receptionist asked LSA to follow-up consultation with Mr. Hunter via email. On October 3, 2013, LSA forwarded the initial consultation letter to Mr. Hunter asking for Mr. Hunter to express any questions or concerns in regard to the Project. No response has been received to date.

Eddie Knight, Coyote Valley Band of Pomo Indians: In an October 3, 2013, follow-up telephone call, the tribal receptionist provided a cell phone number where Mr. Knight could be reached. LSA was unable to reach Mr. Knight and was unable to leave a message. In an October 8, 2013, second follow-up telephone call, LSA was unable to reach Mr. Knight and was unable to leave a message.

Leona Williams, Chairperson, Pinoleville Pomo Nation: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. Williams, asking her to present any questions or concerns about the Project. No response has been received to date.

Angela James, Tribal Historic Preservation Officer (THPO), Pinoleville Pomo Nation: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. James, asking her to present any questions or concerns about the Project. No response has been received to date.

Dave Edmunds, Environmental Director, Pinoleville Pomo Nation: In an October 3, 2013, follow-up telephone call the tribal receptionist notified LSA that Mr. Edmunds is no longer the Environmental Director.

Erica Williams, Section 106 Coordinator, Pinoleville Pomo Nation: In an October 3, 2013, follow-up telephone call the tribal receptionist notified LSA that Ms. Williams is no longer the Section 106 coordinator and that Erica Clarson is the current Section 106 Coordinator. LSA called Ms. Clarson who requested that LSA forward the initial consultation letter to Ms. Clarson's email. On October 3, 2013, LSA forwarded the initial consultation letter to Ms. Clarson asking for Ms. Clarson to express any questions or concerns in regard to the Project. In an October 8, 2013, emailed letter, Ms. Clarson stated that the Pinoleville Pomo Nation has no interest in the Project unless a prehistoric archaeological deposit is identified. If a deposit is identified Mr. Clarson has requested to be contacted immediately.

Elizabeth Hansen, Chairperson, Redwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. Hansen, asking her to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Ms. Hansen, asking her to present any questions or concerns about the Project. No response has been received to date.

Zhao Qui, Cultural Resources Coordinator, Redwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up telephone call, LSA spoke with Ms. Qui who said she would review the consultation documentation and provide a comment if there are cultural concerns. No response has been received to date.

Steve Nevarez, Jr., Environmental Coordinator, Redwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Nevarez, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Nevarez, asking him to present any questions or concerns about the Project. No response has been received to date.

Michael Fitzgerral, Chairperson, Sherwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up call, LSA left a message for Mr. Fitzgerral asking him to contact LSA with any questions or concerns he has in regard to the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Fitzgerral, asking him to present any questions or concerns about the Project. No response has been received to date.

Hillary Renick, THPO, Sherwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up call, LSA was unable to contact Ms. Renick because she works in Washington D.C. LSA was directed to contact Ms. Patricia Rabano of the Sherwood Valley Rancheria of Pomo.

Patricia Rabano, Cultural Resource Specialist, Sherwood Valley Rancheria of Pomo: In an October 3, 2013, follow-up telephone call, Ms. Rabano requested that LSA forward the initial consultation letter to Ms. Rabano's email address. On October 3, 2013, LSA forwarded the consultation documentation to Ms. Rabano and asked her to express any questions or concerns in regard to the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Ms. Rabano, asking her to present any questions or concerns about the Project. No response has been received to date.

Otis Parish, THPO, Stewarts Point Rancheria: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Parish, asking him to present any questions or concerns about the Project. In an

October 8, 2013, second follow-up telephone call, LSA spoke with Mr. Parish who stated that the APE is outside the Stewarts Point Rancheria ancestral boundary and the tribe does not have any information in regard to traditional use of the APE.

Nina Hapner, Environmental Planning Department, Stewarts Point Rancheria: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. Hapner, asking her to present any questions or concerns about the Project. During an October 7, 2013, telephone call Ms. Hapner asked that LSA follow-up with Otis Parish THPO of Stewarts Point Rancheria.

Emilio Valencia, Chairperson, Stewarts Point Rancheria: In an October 3, 2013, follow-up email, LSA forwarded the initial consultation letter to Mr. Valencia, asking him to present any questions or concerns about the Project. The email address that the NAHC provided is not a working email address, and the email was returned.

Merlene Sanchez, Chairperson, Guidlville Band of Pomo Indians: In a October 3, 2013, follow-up telephone call, LSA left a message for Ms. Sanchez, asking her to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA spoke with the Tribal secretary who stated that the Tribe has no response to the consultation letter.

Shawn Padi, Chairperson, Hopland Band of Pomo Indians: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Padi, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Padi, asking him to present any questions or concerns about the Project. No response has been received to date.

Salvador Rosales, Chairperson, Potter Valley Tribe: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Rosales, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Rosales, asking him to present any questions or concerns about the Project. No response has been received to date.

Greg Young, Environmental Coordinator, Potter Valley Tribe: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Young, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA spoke with Mr. Young who stated that the APE is outside the Potter Valley Tribe ancestral boundary and the tribe does not have any information in regard to traditional use of the APE.

Nelson Pinola, Chairman, Manchester Band of Pomo Indians: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Pinola, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA spoke with Mr. Pinola's assistant who requested the initial consultation documentation be emailed to her. On October 8, 2013, LSA forwarded the initial consultation documentation. No response has been received to date.

Karen Santana, Tribal Adminstrator, Manchester Band of Pomo Indians: On January 14, 2014 Caltrans PQS, Sara Atchley Thomas, emailed a letter that described the project, included maps

depicting the APE, and requested any information or concerns regarding cultural resources within the APE. In an email dated, January 21, 2014, Ms. Santana stated that she has no comments at this time.

Richard Smith, Chairperson, Laytonville Rancheria/Cahto Indian Tribe: In an October 3, 2013, follow-up telephone call, LSA left a message for Mr. Smith, asking him to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Smith, asking him to present any questions or concerns about the Project. No response has been received to date.

Kenneth Wright, President, Round Valley Reservation/Covelo Indian Community: In an October 3, 2013, follow-up telephone call, LSA was unable to reach Mr. Wright and was unable to leave a message. In an October 8, 2013, second follow-up telephone call, LSA left a message for Mr. Wright, asking him to present any questions or concerns about the Project. No response has been received to date.

Mona Oandasan, THPO, Round Valley Reservation/Covelo Indian Community: In an October 3, 2013, follow-up telephone call, LSA was unable to reach Ms. Oandasan and was unable to leave a message. In an October 8, 2013, second follow-up telephone call, LSA left a message for Ms. Oandasan, asking her to present any questions or concerns about the Project. No response has been received to date.

Chairperson, Yokayo Tribe: The NAHC did not provide a telephone number or email address for follow-up consultation. LSA was unable to reach the Yakayo Tribe and was unable to leave a message.

Dina Bowen-Welsh, Secretary, She Bel Na Band of Pomo Indians: In an October 3, 2013, follow-up telephone call, LSA left a message for Ms. Bowen-Welsh, asking her to present any questions or concerns about the Project. In an October 8, 2013, second follow-up telephone call, LSA left a message for Ms. Bowen-Welsh, asking her to present any questions or concerns about the Project. No response has been received to date.

HISTORICAL AND ARCHAEOLOGICAL ORGANIZATION CONSULTATION

On April 18, 2013, LSA sent a letter to the Mendocino County Historical Society that described the project, included maps depicting the APE, and requested any information or concerns regarding the proposed Project (Appendix D). In an October 3, 2013, follow-up telephone call LSA was unable to reach the historical society and was unable to leave a message.

On August 28, 2013, LSA sent a letter to the Archaeological Commission of Mendocino County that described the project, included maps depicting the APE, and requested any information or concerns regarding the proposed Project (Appendix D). In an October 3, 2013, follow-up telephone call Mr. Dusty Duley of the Commission requested the initial consultation documentation be forwarded to his email address. On October 3, 2013, LSA forwarded the consultation documentation to Mr. Dudley and asked him to express any questions or concerns in regard to the Project. On October 4, 2013, Mr. Dudley commented that the Commission would like approved copies of the cultural resources

documents sent to him. On October 4, 2013, LSA responded, stating that LSA will send the approved cultural resources documents to the Commission.

BACKGROUND

ENVIRONMENT

The APE is located in the Central Coast Range, just east of Point Arena, at 200 feet above mean sea level. The APE is bisected by the Garcia River, which flows northwest approximately 5.3 miles to the Pacific Ocean. Geologically, the APE is underlain by two Paleocene (65.5 to 56 million years ago) formations. The western side of the Garcia River is underlain by the German Rancho Formation, which is comprised of marine sandstone and mudstone; the eastern side of the river is underlain by Coastal Belt Franciscan, which is comprised of marine sandstone, shale, and conglomerate (Wagner and Bortugno 1982). These formations are divided by the San Andreas Fault Zone, through which the Garcia River flows. Pleistocene and Holocene (12,000 years before present [BP]–present) alluvium derived from mixed sources is present in the wide riverbed and elevated terraces of the Garcia River (Wagner and Bortugno 1982).

Soils in the APE are the Bigriver series (California Soil Resource Lab 2013). Bigriver, a weakly-developed soil, is approximately 5 feet deep and is formed on lower alluvial terraces and floodplains (California Soil Resource Lab 2013). Bigriver loamy sand is characterized by a series of buried genetic horizons (weakly-developed A horizons) that overlie parent material, suggesting alternating periods of flooding and landform stability. The total depth of the soil and alluvial parent material is approximately 10 to 15 feet deep (California Department of Water Resources 2004).

PREHISTORY

Five archaeological patterns have been clearly identified in northwest California. These patterns are summarized below.

Post Pattern (9500 to 8000 BC). The Post Pattern is the oldest identified pattern within the North Coast Ranges and is associated with Paleoindian occupation. The Post Pattern is best represented at CA-LAK-36, the Borax Lake site near the east shore of Clear Lake, where the assemblage attributed to this pattern includes fluted Clovis projectile points and chipped stone crescents (Harrington 1948). Elsewhere in the Clear Lake Basin, worked Borax Lake obsidian with hydration measurements dated to the Paleoindian period have been identified at CA-LAK-510 near Anderson Marsh (White 1984:430). A Post Pattern fluted point has been identified on the Mendocino Cost at Casper (Simons et al. 1985), which suggests that this pattern is not restricted to lacustrine settings. Generally, little is known of the Post Pattern due to the paucity of sites with materials dating from this time and the lack of a single component attributable to the Post Pattern (Hildebrandt 2007:87). The paucity of identified Post Pattern assemblages in the North Coast Ranges is likely due in part to the postulated highly mobile extended family groups and low population densities during the Paleoindian Period, resulting in ephemeral cultural deposits (Fredrickson and White 1988:85).

Borax Lake Pattern (8000 to 5500 BC). The Borax Lake Pattern is characterized by locally manufactured artifacts such as, serrated bifaces, large wide-stemmed projectile points with indented

bases, ovoid flake tools, handstones, millingslabs, and edge-flaked spalls (Hildebrandt 2007:87). The presence of milling stones suggests an increased reliance on plant food and decreased hunting during this period. Borax Lake Pattern assemblages have been identified at sites throughout the North Coast Ranges from Humboldt and Trinity counties in the north to the Santa Rosa Plain in Sonoma County to the south. The earliest manifestations of the Borax Lake Pattern in Mendocino County date from 3000 to 500 BC and were found at CA-MEN-500 (Meighan 1955) and CA-MEN-84 (Soule 1975).They are referred to by Frederickson as the Mendocino Aspect of the Borax Lake Pattern (Fredrickson 1988:520ff). The Mendocino Aspect is characterized by "large lanceolate, concave-base, and side-notched projectile points and the co-occurrence of bowl mortars and pestles with milling stones and manos" (Frederickson 1988:521). Two sites on the Mendocino Coast at Albion Head, CA-MEN-1704 and CA-MEN-1844, contain Borax Lake Pattern components that have corrected radio carbon dates as early as 3450

Mendocino Pattern (2500 BC to AD 800). Mendocino Pattern assemblages have been identified at sites from north of San Pablo Bay to the mountainous region west and north of Clear Lake. The Mendocino Pattern is characterized by side-notched, corner-notched, and concave-base dart points, handstones and millingslabs, different types of flake tools, cobble tools, and to a lesser extent cobble mortars and pestles (Hildebrandt 2007:91). Acorn processing technology emerges, while hunting also remains common, resulting in an overall more diverse economic base. Many assemblages attributed to the Mendocino Pattern do not contain midden and contain attenuated materials, suggesting brief visits to the area by non-local populations.

Two aspects of the Mendocino Pattern have been identified: the northern Mendocino Aspect (2500 BC to AD 800), which is characterized by corner- and side-notched projectile points made primarily of chert; and the southern Hultman Aspect (1500 BC to AD 100) which is characterized by abundant leaf-shaped projectile points, use of local and non-local obsidian, ovate scrapers, simple flake tools, incised and drilled soapstone plummets, and rock features, including cooking hearths and groundstone caches (White, et al. 2002:50). These aspects converge in Clear Lake Basin. Mendocino Pattern artifacts are present at nearly a dozen excavated coastal sites (Fredrickson 1988; Layton 1990; Van Bueren and Scantlebury 2004; White 1989).

Berkeley Pattern (6500 BC to AD 800). The Berkeley Pattern first appears in the early Holocene at Clear Lake between 6500 BC and 4300 BC, and appears sporadically in the archaeological record until about AD 800 (Hildebrandt 2007:92). It is characterized by elaborate artifact assemblages that include leaf-shaped and stemmed projectile points, various types of bone tools, fishing spears, harpoons, hooks, net sinkers, baked clay objects, mortars, and pestles. Baskets appear to have varied in construction and style. A high degree of sedentism is inferred from the variety of fishing implements, well-developed midden deposits and numerous mortar and pestles in the archaeological record, indicative of acorn processing (Hildebrandt 2007:92-93).

The earliest manifestation of the Berkeley Pattern is in the Clear Lake Basin and is known as the Mostin Phase (6500 to 4300 BC) of the Houx Aspect. The phase is named after the Mostin site (CA-LAK-380/381) in Big Valley. The Mostin Phase may represent a transitional culture between the Borax Lake Pattern and later Houx Aspect phases (White and King 1993). Circa 500 BC it appears there was a westward migration of Berkeley Pattern peoples who crossed the Santa Rosa Plain and the Warm Springs area, ultimately reaching the coast (Dowdall 2002; Hildebrandt 2007:93; Jones and Hayes 1993; Kennedy 2005). As groups of Pomoan peoples left their Clear Lake homeland and made

their way west they are believed to have replaced the Yukian-speaking peoples who occupied these outlying areas (Basgall 1982; Baumhoff 1980; Fredrickson 1988; Golla 2007; Hildebrandt 2007). Berkeley Pattern artifacts are present at several coastal sites in MacKerricher State Park, 40-miles north of Point Arena (White 1989:103-141).

Augustine Pattern (AD 350 to Recent). The Augustine Pattern has a wide distribution throughout central and northern California and is fundamentally characterized by the introduction of the bow-and-arrow. Rattlesnake corner-notched projectile points, *Olivella* and clamshell disk beads, magnesite cylinder, and "banjo" *haliotis* ornaments, bird bone whistles and tubes, and flanged steatite pipes are also characteristic of this pattern (Hildebrandt 2007:94). Populations were dense and socially stratified and there were complex exchange systems and elaborate ceremonialism (Fredrickson 1973).

Although use of the bow and arrow and increased reliance on acorn processing are shared traits indicated in the material culture of the Augustine Pattern, there are regional variations within the pattern. Some regions indicate a continuation of Berkeley Pattern sedentism, while other regions evidence a higher degree of mobility, intensified use of resources, and habitats not previously occupied (Hildebrandt 2007:94-95). Work conducted at Fort Ross (Lightfoot et al. 1991), 40-miles south of Point Arena, found short-term use of coastal sites, which were linked with more permanent, centralized, ridgeline villages. More permanent occupations have also been identified at Duncan's Landing, just south of Fort Ross (Hildebrandt 2007:95).

ETHNOGRAPHY

The following section summarizes Bean and Theodoratus (1978 *in* Heizer 1978) and Kroeber (1925).

The Point Arena area is ethnographically attributed to the Central Pomo. The Central Pomo are one of seven groups that speak Pomoan languages. This category also includes Southwestern or Kashaya Pomo, Southern Pomo, Northern Pomo, Northeastern Pomo, Eastern Pomo, and Southeastern Pomo.

Pomo territory included both the coast-redwood ecozone and the valley-foothill ecozone. Because the coastal zone suffered from harsh winds and fog and provided fewer edible plants and animals, the Pomo did not live there in any permanent fashion until the proto-historic period when their inland territory, dominated by oak-dotted river valleys, was seized by Mexican, European, and American settlers (McLendon and Oswalt 1978:283 *in* Heizer 1978). Typically, Pomoans would hike out to the coast to procure resources and establish seasonal camps, which would be reoccupied year after year by the same kin groups.

Pomo settlements varied from large permanent villages to seasonal campsites. Typically Pomo villages were located inland from the coast by at least 20 miles. Campsites were found along the shoreline, near river and creek mouths, and in favored areas in the redwood forest. A majority of Pomo settlements were located on the north or east sides of streams. This was because a southern or western sun exposure was more pleasant and had thicker year-round vegetation, as the ground and foliage on northern and eastern slopes maintains higher moisture levels through the long dry summers (Kroeber 1925:235).

Pomo territorial boundaries were fixed and definite with regards to other tribes, and the rights of property utilization were clearly established. In cases where amity or surplus existed the Pomo

sometimes waived these rights (Kroeber 1925:228-229). Among the Pomo as a whole, lands were divided in an even fashion with no unfavorably located groups and each community holding its share of valley and range of hill or mountain land (Kroeber 1925:234). According to Kroeber, Pomo community members were free to utilize all the resources within their community's tract without the limitations of private ownership (Kroeber 1925:228). McLendon and Oswalt (1978:276 *in* Heizer 1978) contend that in some village communities and at some periods, individual families privately owned important sources of food, such as specific acorn and Manzanita trees and good fishing sites. This was not the case for all Pomo communities, however, and in general it appears that the Pomo collected resources freely from within their community's territory.

The Pomo were organized into autonomous tribelets, groups of one or more bilaterally related extended kin groups that ranged in size from 100 to 2,000 people (Kunkel 1962 *in* Bean and Theodoratus 1978). "Each extended family had a headman or minor chief. The extended family chiefs, together composed the principal ruling elite of the individual tribelets, functioning as a tribelet council".

Tribelet members lived in village communities, which acted as political units. The village community was typically comprised of several settlements with one principal village, where a chief lived who was recognized by all members of the group (Kroeber 1925:228). Sometimes larger villages served as nuclei for smaller ones nearby. These smaller villages tended to be bound to the larger through kinship ties (Bean and Theodoratus 1978:289). In instances where two or more communities bordered each other, their principal villages were often located close to one another (Kroeber 1925:234).

In 1925, Kroeber (1925:229-230) reported that there were 479 named and located Pomo settlements, without including recognized camping places. He counted the number of principal villages or political units at 75, and claimed that for the Northern, Central, Eastern, and Southeastern divisions the boundaries can be drawn with "reasonable correctness" (Kroeber 1925:229-230).

The Pomo built three kinds of structures: dwelling houses, temporary shelters, and semi-subterranean houses (Bean and Theodoratus 1978:292). Near the coast and in the adjacent redwood belt, dwelling houses were typically single family conical structures built from redwood bark slabs. In the interior valleys multi-family dwelling houses were common. These houses were constructed out of brush, grass or tule and were circular, elliptical, or L-shaped (Loeb 1926:158 *in* Bean and Theodoratus 1978). Temporary summer shelters were built by valley groups to provide reprieve from the hot sun. Semi-subterranean structures had two main functions: they were constructed to serve as sweat houses, in which the men took daily sweat baths (Loeb 1926:159-160 *in* Bean and Theodoratus 1978); and they were also constructed on a larger scale, as ceremonial assembly houses (Barrett 1916 *in* Bean and Theodoratus 1978).

The Pomo's main dietary staple was the acorn, which could be collected and stored. The Pomo utilized seven different species of acorn, as well as buckeye nuts, many types of berries, grass seeds, roots, bulbs, edible greens, dried seaweed, kelp, and sea palm. Streams and rivers were fished and several offshore islands were regularly visited by coastal groups who hunted seals and sea lions and collected mussels (Loeb 1926:182 *in* Bean and Theodoratus 1978). Various game was hunted, including deer, elk, antelope, rabbits, and squirrels. Many birds were also exploited for their meat and feathers. However, certain avian species were taboo food sources, such as the valley jay, hawks, crows, owls, meadowlarks, loons, seagulls, and killdear.

Pomo men went largely unclothed during warm weather unless they dressed specifically for some social or ritual purpose (Barrett 1952:292-294 *in* Bean and Theodoratus 1978). During cold or wet weather, they wore mantles of shredded, ripe tule, the inner bark of redwood trees, or willow bark. Men with more wealth wore mantles of sewn skins. Typically the women wore skirts that extended from the waste to the ankles and mantles, tied around the neck that extended to meet the skirt. Skirts were constructed of shredded willow bark, shredded redwood bark, or sewn skins. When the weather was extremely cold members of both sexes would wear blankets made from the skins of rabbits, sea otters, pumas, wildcats, gophers, and bears. Decorative ornaments were made from clamshells, magnesite, abalone shells, and feathers.

HISTORY

The Pomo's first contact with Europeans may have occurred as early as 1579, when Sir Francis Drake landed just south of Pomo territory (Bean and Theodoratus 1978:299). By the late 1700s the San Francisco mission and presidio were established and European goods were making their way into Pomo trade networks. Southern Pomo were subject to Spanish raiding, and mission fugitives escaped into Pomo territory, bringing with them aspects of Hispanic culture (Bean and Theodoratus 1978:299). In 1822 California was annexed to Mexico, and Mexican land grants were established deep within Pomo territory. In November 1844, Rafael García, for whom the Garcia River was named, was granted nine leagues on the Coast, north of Fort Ross (Gudde and Bright 1998:140).

In the mid-1800s Americans began to enter the region in great numbers. Mendocino County, founded in 1850, is one of California's original 27 counties but was initially governed by Sonoma County (Mendocino County 2013). In 1859 the local government was established in Ukiah, which continues as the county seat to this day. The county was named after Antonio de Mendoza, first viceroy of New Spain (Gudde and Bright 1998:233-234).

Early Euro-American settlers in Mendocino County found the interior valleys to be ideally suited to farming and ranching. As the Gold Rush swelled the population of San Francisco and other Bay Area settlements, the need for reliable, nearby, sources of timber increased dramatically. The redwood forests of coastal Mendocino County offered two advantages clearly recognized by early lumber entrepreneurs: easy access to ocean shipping to San Francisco, and a seemingly endless supply of lumber. Coastal lumber camps, mills, and short-line railroads were hastily constructed to exploit the timber wealth available from supplying the insatiable building boom in San Francisco and environs. Mendocino's lumber industry was its largest source of income, with 19 active sawmills in 1872 (Palais and Treganza 1958:32-33).

The first towns were established at the mouths of the Noyo, Navarro, and Albion Rivers, which provided access to interior timber lands. Many of Mendocino's rocky bays were used as docking areas for logging vessels. In the 1860s, towns were established in the interior portions of the county, fueled both by the timber industry and the fertile valleys that proved ideal for agriculture. Hops were one of Mendocino's earliest crops, followed by pears, apples, and grapes (Palais and Treganza 1958:32-33).

While not much is known about Moungovan(s) Ranch, located adjacent to the APE, it is briefly mentioned in historic newspapers. The property appears to have been a ranching operation and good local fishing location (Ukiah Republican Press 1911). In June of 1961, Judge James D. Moungovan married his daughter Kathleen Canneon and fiancé, Sargent Dan Marsh, who was stationed at Point Arena (Ukiah Daily Journal 1961a). After being married, the Marsh's made the Moungovan Ranch property their home (Ukiah Daily Journal 1961a). In July of 1961, Kathleen Marsh resigned from her position as City of Point Arena license collector because she "moved out of town" (Ukiah Daily Journal 1961b).

The town of Point Arena, like many of Mendocino's early communities, was centered around the lumber industry. The town is situated on a natural harbor approximately one and a half miles south of the point, a narrow peninsula that extends 1/3 mile into the Pacific Ocean. In 1870, a lighthouse was erected on the Point. The Puntas Arena Post Office was opened in 1858, and later renamed the Point Arena Post Office. Point Arena's first store opened in 1859 and the town incorporated in 1908 (Durham 1998).

FIELD METHODS

LSA Cultural Resources Manager Nichole Jordan, surveyed all accessible portions of the APE on November 4, 2013. Ground visibility was limited by developed surfaces, and vegetation. Trowled surface scrapes of the APE were conducted in areas with limited visibility and rodent holes were inspected for cultural materials. Ground visibility in the APE along road shoulders was 60–100 percent except in the southeast portion where visibility was reduced to 0 percent.

The survey was conducted using straight transects spaced no wider than 10 feet and was documented in field notes, maps, and photographs (photographs are provided in Appendix G).

No archaeological resources were identified during the survey.

ARCHAEOLOGICAL SENSITIVITY ASSESSMENT

INTRODUCTION

LSA reviewed the APE's archaeological sensitivity using the results of the background research, geoarchaeological background, soils research, and the field survey. The assessment is presented below.

BACKGROUND RESEARCH

The record search and literature review did not identify any prehistoric cultural resources in the APE or the 2-mile records search radius. The nearest water source is the Garcia River located within the APE.

GEOARCHAEOLOGICAL BACKGROUND

Geologically, the APE is underlain by two Paleocene (65.5–56 million years ago) formations. The western side of the Garcia River is underlain by the German Rancho Formation, which is comprised of marine sandstone and mudstone; the eastern side of the river is underlain by Coastal Belt Franciscan, which is comprised of marine sandstone, shale, and conglomerate (Wagner and Bortugno 1982). These formations are divided by the San Andreas Fault Zone, through which the Garcia River flows. Pleistocene and Holocene (12,000 years B.P.–present) alluvium derived from mixed sources is present in the wide riverbed and elevated terraces of the Garcia River (California Department of Water Resources 2004; Wagner and Bortugno 1982).

SOILS RESEARCH

Soils in the APE are the Bigriver series (California Soil Resource Lab 2013). Bigriver, a weakly-developed soil, is approximately 5-feet deep and is formed on lower alluvial terraces and floodplains (California Soil Resource Lab 2013). Bigriver loamy sand is characterized by a series of buried genetic horizons (weakly-developed A horizons) which overlie parent material, suggesting alternating periods of flooding and landform stability. The total depth of the soil and alluvial parent material is approximately 10 to 15 feet deep (California Department of Water Resources 2004).

FIELD SURVEY

The field survey did not identify any cultural resources within the APE. During intensive pedestrian survey of the APE, ground visibility was limited by developed surfaces, and vegetation. Ground visibility in the APE along road shoulders was 60–100 percent except in the southeast portion where visibility was reduced to 0 percent.

Conclusions

Prehistoric Archaeological Sensitivity

The poorly-developed soils located on the elevated terraces outside of the Garcia River's active floodplain are Holocene age and have the potential to contain buried archaeological deposits. The active river channel is less likely to contain buried archaeological resources due to frequent flooding and scour and events.

Urban development and agricultural practices within the APE have likely destroyed any intact surface archaeological deposits, if such deposits were ever present. LSA's field survey did not identify any prehistoric artifacts or cultural deposits, including within plowed fields, which most likely would have exposed subsurface material from depths of two feet below surface. Trowled surface scrapes of the APE were conducted in areas with limited visibility and rodent holes were inspected for cultural materials.

The elevated terraces outside of the Garcia River's active floodplain are the most sensitive portions of the APE (see photograph 3 in Appendix G). These areas will be impacted to ½ foot below surface; therefore the Project has a low probability of encountering geoarchaeological resources because if geoarchaeological resources are present they are likely deeper than ½ foot below surface.

Historic Period Archaeological Sensitivity

The APE is situated in an area that was utilized for ranching and agriculture during the historic period. No former building footprints appear within the APE (USACE 1943; USGS 1960). Additionally, LSA's field survey did not identify any historic artifacts or cultural deposits. Therefore, the APE is considered to have low sensitivity for historic archaeological deposits.

STUDY FINDINGS AND CONCLUSIONS

No archaeological resources were identified during this study. The archaeological sensitivity assessment identifies low sensitivity for encountering historic-period archaeological deposits and a low probability of encountering geoarchaeological resources within the APE.

If previously unidentified cultural materials are unearthed during construction, it is Caltrans' policy that work be halted in that area until a qualified archaeologist can assess the significance of the find. Additional archaeological survey will be needed if project limits are extended beyond the present survey limits.

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APPENDIX A

Maps

Figure 1: Regional Location
Figure 2: Project Area
Figure 3: Area of Potential Effects



FIGURE 1

LEGEND

Project Location

0 2.5 5
MILES

SOURCE: ESRI Imagary (4/2013)

I:\MKT1003A\GIS\CULTURAL\mkt1003a_fig1.mxd (4/5/13)

Eureka HIll Road over Garcia River Bridge (10C0034) Retrofit
Federal Project: BRLRT 5901(041)
Mendocino County, California

Regional Location



LEGEND

Area of Potential Effects

FIGURE 2

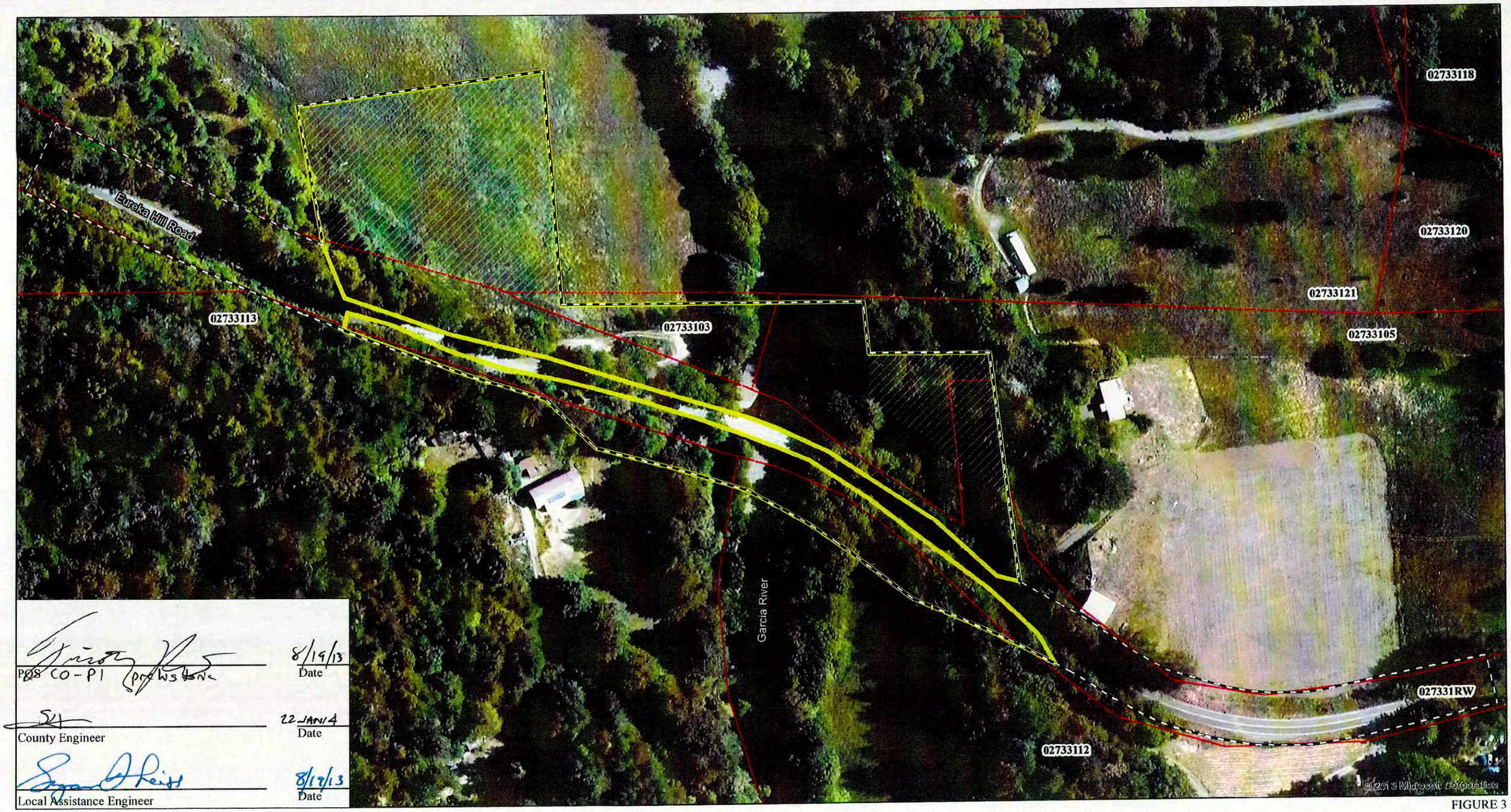
Eureka HIll Road over Garcia River Bridge (10C0034) Retrofit
Federal Project: BRLRT 5901(041)
Mendocino County, California

Project Area

0 0.5 1
MILES

SOURCE: Eureka Hill (USGS), Township 12 North, Range 16 West, portion of section 14

I:\Mkt1003A\GIS\cultural\MKT1003A_fig2.mxd (8/22/2013)



PDS CO-PI	8/19/13 Date
County Engineer	22 JAN 14 Date
Local Assistance Engineer	8/19/13 Date

FIGURE 3

LEGEND

- Area of Potential Effects
- Staging Area
- Parcel
- Temporary Construction Easement

0 70 140
FEET

SOURCE: Bing Maps Aerial (2010)

I:\Mkt1003A\GIS\cultural\mkt1003a_fig3_ResourceswithinAPE.mxd (8/19/2013)

Eureka Hill Road Bridge (10C0034) Replacement
Federal Project Number BRLRT 5901(041)
Mendocino County, California

Area of Potential Effects

APPENDIX B

Native American Heritage Commission Consultation Letters

(To save paper, only one representative set of the maps sent with each request is included here)

LSA ASSOCIATES, INC.
4200 ROCKLIN ROAD, SUITE 11B
ROCKLIN, CALIFORNIA 95677

916.630.4600 TEL
916.630.4603 FAX

BERKELEY
CARLSBAD
FORT COLLINS

FRESNO
IRVINE
PALM SPRINGS

PT. RICHMOND
RIVERSIDE
SAN LUIS OBISPO

FAX TRANSMITTAL

TO: Larry Meyers
Native American Heritage Commission

DATE: April 5, 2013

☒ FOR YOUR REVIEW ☐ FOR YOUR FILES

☐ AT YOUR REQUEST ☐ FOR YOUR INFORMATION

☐ FOR YOUR APPROVAL ☐ DISTRIBUTION

SUBJECT:

PROJECT: Eureka Hill Road over Garcia River Bridge Improvement Project

PROJECT NUMBER: MKT1003A

LSA ASSOCIATES, INC.
4200 ROCKLIN ROAD, SUITE 11B
ROCKLIN, CALIFORNIA 95677
916.630.4600 TEL
916.630.4603 FAX

April 5, 2013

Larry Meyers
Native American Heritage Commission
905 Capitol Mall, Room 364
Sacramento, CA 95814
Fax: 916-657-5390

Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California (LSA Project #MKT1003A)

Dear Mr. Meyers:

Mendocino County, in collaboration with Caltrans, is proposing to seismically retrofit the Eureka Hill Road Bridge (#10C-0034) over Garcia River in Point Arena, Mendocino County, California. LSA Associates, Inc. is conducting a study to determine if the project might affect cultural resources. Please review the Sacred Lands File for any Native American cultural resources that may be within or adjacent to the project area. The project area is located in Section 14, Township 12 North/Range 16 West, as depicted on the accompanying portion of the USGS *Eureka Hill, Calif.* 7.5-minute topographic map.

We also request a list of Native American individuals and organizations who may have knowledge of cultural resources in the project area. If you have any questions, please contact me at the address and phone number above or via e-mail <nichole.jordan@lsa-assoc.com>. I look forward to hearing from you. Thank you.

Sincerely,

LSA ASSOCIATES, INC.

Nichole Jordan

Nichole Jordan, M.A., RPA
Cultural Resources Manager



FIGURE 1

LEGEND

Project Location

0 2.5 5
MILES

SOURCE: ESRI Imagary (4/2013)

I:\MKT1003A\GIS\CULTURAL\mkt1003a_fig1.mxd (4/5/13)

Eureka HIll Road over Garcia River (10C0034) Bridge Replacement
Mendocino County, California

Regional Location

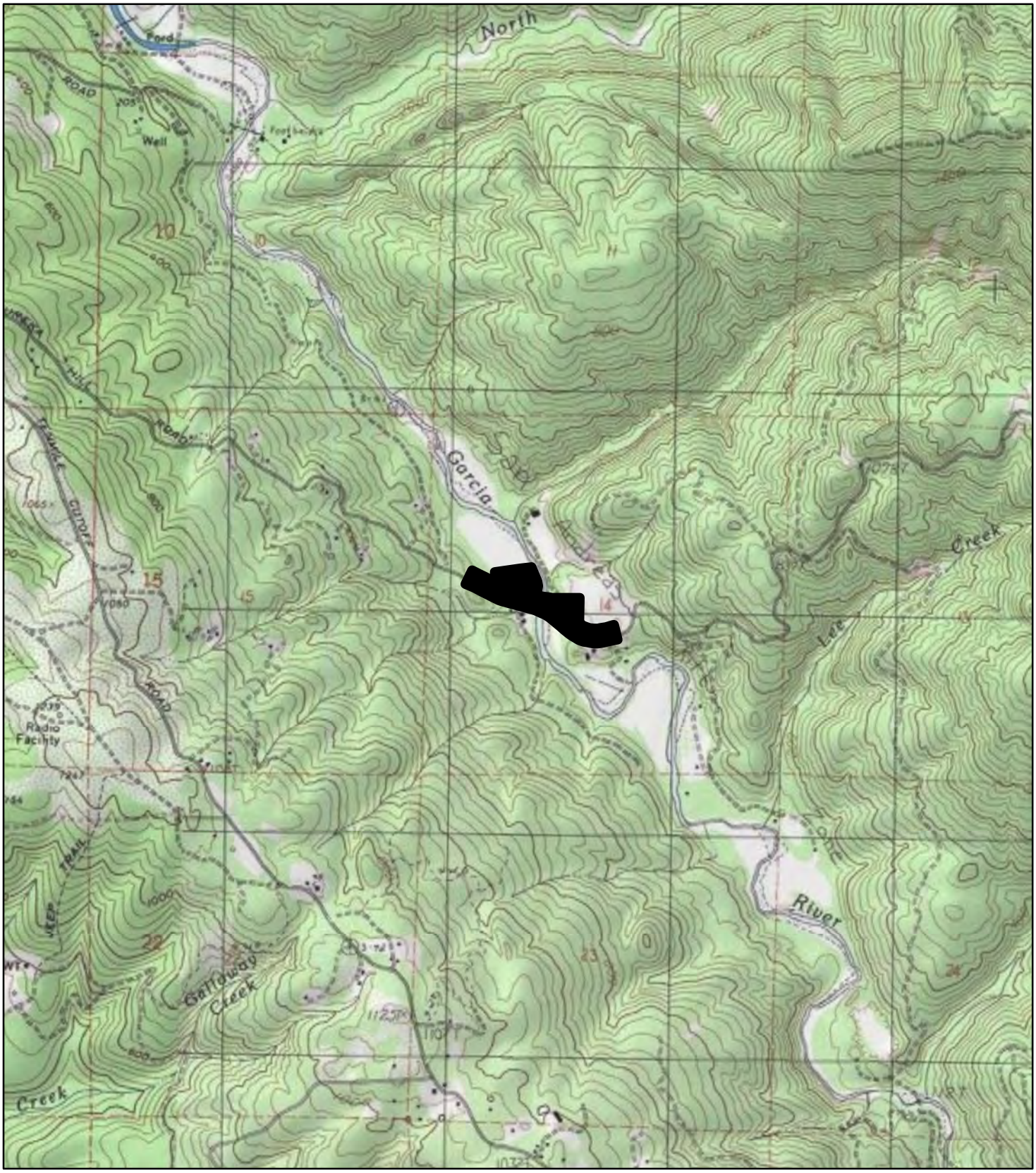


FIGURE 2

LEGEND

Project Area

0 0.5 1

MILES

Eureka HIll Road over Garcia River (10C0034) Bridge Replacement
Mendocino County, California

Project Area

SOURCE: Eureka Hill (USGS), Township 12 North, Range 16 West, portion of section 14

I:\MKT1003A\GIS\CULTURAL\MKT1003A_fig2.mxd (4/5/13)

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390

May 7, 2013

Nichole Jordan
LSA Associates
4200 Rocklin Road, Ste 11B
Rocklin, CA 95677

Sent by Fax: 916-630-4603

Number of Pages: 3

Re: Eureka Hill Road over Garcia River Bridge Improvement project, Mendocino County

Dear Ms. Jordan:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,

Debbie Pilas-Treadway
Environmental Specialist III

Native American Contacts
Mendocino County
May 6, 2013

Coyote Valley Band of Pomo Indians
John Feliz Jr.,Chairperson
P.O. Box 39/ 7901 Hwy 10, Pomo
Redwood Valley , CA 95470
johnfeliz21@aol.com
(707) 485-8723
(707) 485-1247 Fax

Guidiville Band of Pomo Indians
Merlene Sanchez, Chairperson
P.O. Box 339 Pomo
Talmage , CA 95481
admin@guidiville@.net
(707) 462-3682
(707) 462-9183 - Fax

Hopland Band of Pomo Indians
Shawn Padi, Chairperson
3000 Shanel Road \ 98 Shokowa
Hopland , CA 95449 Sokow
spadi@hoplandtribe.com Shanel
(707) 472-2100, Ext 1405 Pomo

(707) 744-1506 - Fax

Laytonville Rancheria/Cahto Indian Tribe
Rochard Smith, Chairperson
P.O. Box 1239 Cahto
Laytonville , CA 95454 Kato
Chairwoman @cahto.org Pomo
(707) 984-6197
(707) 984-6201 Fax

Laytonville Rancheria/Cahto Indian Tribe
Atta P. Stevenson, Cultural Resources
P.O. Box 1404 Cahto
Laytonville , CA 95454 Kato
wtalker101@yahoo.com Pomo
707-841-0058

Manchester-Point Arena Rancheria
Nelson Pinola, Chairperson
P.O. Box 623 Pomo
Point Arena , CA 95468
manptarena@hughes.net
(707) 882-2788
(707) 882-3417 Fax

Pinoleville Pomo Nation
Leona Willams, Chairperson
500 B Pinoleville Drive Pomo
Ukiah , CA 95482
tcouncil@pinoleville-nsn.gov
(707) 463-1454
(707) 463-6601 FAX

Pinoleville Pomo Nation
Angela James, THPO
500 B Pinoleville Drive Pomo
Ukiah , CA 95482
david.s.edmonds@gmail.com
(707) 463-1454
(707) 463-6601 FAX

Pinoleville Pomo Nation
Dave Edmunds, Environmental Director
500 B Pinoleville Drive Pomo
Ukiah , CA 95482
david.s.edmonds@gmail.com
(707) 463-1454
(707) 463-6601 FAX

Pinoleville Pomo Nation
Erika Williams, Section 106 Coordinator
500 B Pinoleville Drive Pomo
Ukiah , CA 95482
david.s.edmonds@gmail.com
(707) 463-1454
(707) 463-6601 FAX

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Eureka Hill Road over Garcia River Bridge Improvement project, Mendocino County

Native American Contacts
Mendocino County
May 6, 2013

Potter Valley Tribe
Greg Young, Environmental Coordinator
2251 South State Street Pomo
Ukiah , CA 95482
(707) 462-1213
(707) 462-1240 FAX

Round Valley Reservation/Covelo Indian Community
Kenneth Wright, President
77826 Covelo Road Yuki ; Nomlaki
Covelo , CA 95428 Pit River
(707) 983-6126 Pomo
(707) 983-6128 - Fax Concow
Wailaki; Wintun

Potter Valley Tribe
Salvador Rosales, Chairperson
2251 South State Street Pomo
Ukiah , CA 95482
pottervalleytribe@comcast.net
(707) 462-1213
(707) 462-1240 - Fax

She Bel Na Band of Pomo Indians
Dina Bowen-Welsh, Secretary
PO Box 1613 Pomo
Fort Bragg , CA 95437
707-964-8126

Redwood Valley Rancheria of Pomo
Elizabeth Hansen, Chairperson
3250 Road I Pomo
Redwood , CA 95470
redwoodres@pacific.net
(707)485-0361
(707) 485-5726 - Fax

Sherwood Valley Rancheria of Pomo
Michael Fitzgerral, Chairperson
190 Sherwood Hill Drive Pomo
Willits , CA 95490
svradministrator@sbcglobal.net

(707) 459-9690
(707) 459-6936 - Fax

Redwood Valley Rancheria of Pomo
Zhao Qui, Cultural Resources Coordinator
3250 Road I Pomo
Redwood , CA 95470
redwoodres@pacific.net
(707)485-0361
Fax:(707) 485-5726

Sherwood Valley Rancheria of Pomo
Talisha Melluish, Cultural Resource Specialist
190 Sherwood Hill Drive Pomo
Willits , CA 95490

(707) 459-9690
(707) 459-6936 - Fax

Redwood Valley Rancheria of Pomo
Steve Nevarez Jr., Environmental Coordinator
3250 Road I Pomo
Redwood , CA 95470
redwoodres@pacific.net
(707)485-0361
Fax:(707) 485-5726

Sherwood Valley Rancheria of Pomo
Hillary Renick, THPO
190 Sherwood Hill Drive Pomo
Willits , CA 95490

(707) 459-9690
(707) 459-6936 - Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Eureka Hill Road over Garcia River Bridge Improvement project, Mendocino County

Native American Contacts
Mendocino County
May 6, 2013

Stewarts Point Rancheria
Emilio Valencia, Chairperson
1420 Guerneville Road, Ste 1 Pomo
Santa Rosa , CA 95403
Emilio@stewartspoint.com

(707) 591-0580-voice
(707) 591-0583 - Fax

Stewarts Point Rancheria
Nina Hapner, Environmental Planning Department
1420 Guerneville Road, Ste 1 Pomo
Santa Rosa , CA 95403
nina@stewartspoint.org
(707) 591-0580 ext107
(707) 591-0583 FAX

Stewarts Point Rancheria THPO
Otis Parish, Tribal Historic Preservation Officer
1420 Guerneville Road, Ste 1 Pomo
Santa Rosa , CA 95403
Otis@stewartspoint.org
(707) 591-0580 EXT 105
(707) 591-0583 FAX

Yokayo Tribe
Chairperson
P.O. Box 362 Pomo
Talmadge , CA 95481

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the propoeed Eureka Hill Road over Garcia River Bridge improvement project, Mendocino County

APPENDIX C

Native American Consultation Letters

(To save paper, only one representative set of the maps sent with each request is included here)

STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

Flex your power!
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August 23, 2013

Hillary Renick
Tribal Historic Preservation Officer
Sherwood Valley Rancheria of Pomo
190 Sherwood Hill Drive Pomo
Willits, CA 95490

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Renick:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Sherwood Valley Rancheria of Pomo within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including

your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR 800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY

EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 23, 2013

Eddie Knight
Coyote Valley Band of Pomo Indians
P.O. Box 3917901 Hwy 10
Redwood Valley, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Mr. Knight:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Coyote Valley Band of Pomo Indians within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including

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800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 23, 2013

The Honorable Michael Fitzgerral
Chairperson, Sherwood Valley Rancheria of Pomo
190 Sherwood Hill Drive Pomo
Willits, CA 95490

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Fitzgerral:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

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Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

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Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711



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August 23, 2013

The Honorable Elizabeth Hansen
Chairperson, Redwood Valley Rancheria of Pomo
3250 Road I Pomo
Redwood, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Hansen:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Redwood Valley Rancheria of Pomo within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including

your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR 800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 23, 2013

Patricia Rabano
Cultural Resource Specialist, Sherwood
Valley Rancheria of Pomo
190 Sherwood Hill Drive Pomo
Willits, CA 95490

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Cultural Resource Specialist Melluish:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Sherwood Valley Rancheria of Pomo within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

Nichole Jordan

From: Nichole Jordan
Sent: Thursday, October 03, 2013 1:46 PM
To: rabano10@gmail.com
Cc: Keefe, Timothy M@DOT; Nichole Jordan (Nichole.Jordan@lsa-assoc.com)
Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California
Attachments: MKT1003A_sherwood valley.pdf

Ms. Patricia Rabano,

Per your request, I have attached the initial consultation documentation for the above referenced Project that was sent to yourself, Michael Fitzgerral, and Hillary Renick on August 23, 2013. If you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 23, 2013

The Honorable John Feliz Jr.
Chairperson, Coyote Valley Band of Pomo Indians
P.O. Box 3917901 Hwy 10
Redwood Valley, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Feliz:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Coyote Valley Band of Pomo Indians within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

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If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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FAX (707) 441-5775
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August 23, 2013

Nina Hapner
Environmental Planning Department,
Stewarts Point Rancheria
1420 Guerneville Road, Ste 1
Santa Rosa, CA 95403

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Hapner:

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
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August 23, 2013

Steve Nevarez Jr.
Environmental Coordinator, Redwood Valley
Rancheria of Pomo
3250 Road I Pomo
Redwood, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Environmental Coordinator Nevarez Jr.:

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Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
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August 23, 2013

Erika Williams
Section 106 Coordinator, Pinoleville Pomo Nation
500 B Pinoleville Drive
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Williams:

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

Nichole Jordan

From: Nichole Jordan
Sent: Thursday, October 03, 2013 2:07 PM
To: ericac@pinoleville-msn.us; lilawa4pomo2@yahoo.com
Cc: Keefe, Timothy M@DOT; Nichole Jordan (Nichole.Jordan@lsa-assoc.com)
Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California
Attachments: MKT1003A_Pinoleville Pomo.pdf

Ms. Erica Clarson,

Per your request, I have attached the initial consultation documentation for the above referenced Project that was sent to Erika Williams, Dave Edmunds, and Angela James on August 23, 2013. If you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

PINOLEVILLE POMO NATION

Tribal Historic Preservation Office

500 B. Pinoleville Ukiah, CA 95482 Ph: 707-463-1454 FAX: 707-463-6601

October 8, 2014

Nicole Jordan,
Department of Transportation
District 1, P.O. Box 3700
Eureka, CA 95502-3700

RE: 01-Mendocino County –NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road Over Garcia River
Bridge Seismic Retrofit Project

Dear Nicole Jordan:

We are apologizing for getting this to you late. Thank you for your inquiry about the project described in your letter. After further review, The Pinoleville Pomo Nation has no interest in the areas that are being purposed; however, this does not mean that there is no culturally important site in the locations. If evidence of a site is discovered while your project is being carried out, Pinoleville Pomo Nation requests that you notify us immediately. We would appreciate knowing of any archaeological evidence you may uncover.

Thank you for your efforts to work with the tribes on these matters.

Sincerely,

Erica Carson Jr,
Tribal Historic Preservation Officer

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
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August 23, 2013

Angela James
THPO, Pinoleville Pomo Nation
500 B Pinolevlle Drive
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. James:

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If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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August 23, 2013

Dave Edmunds
Environmental Director, Pinoleville Pomo Nation
500 B Pinoleville Drive
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Environmental Director Edmunds:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

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Timothy Keefe
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North Region Environmental Branch-E1
District 1, Caltrans

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Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
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August 29, 2013

Mr. Otis Parish
Tribal Historic Preservation Officer
Stewarts Point Rancheria
1420 Guerneville Road, Ste 1
Santa Rosa, CA 95403

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Mr. Parish:

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Caltrans understands that there is the possibility that there could be resources of concern to the Stewarts Point Rancheria within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

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North Region Environmental Branch-E1
District 1, Caltrans

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Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
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August 29, 2013

The Honorable Merlene Sanchez, Chairperson
Guidlville Band of Pomo Indians
P.O. Box 339
Talmage, CA 95481

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Sanchez:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

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District 1, Caltrans

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Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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August 29, 2013

The Honorable Shawn Padi
Chairperson, Hopland Band of Pomo Indians
3000 Shanel Road
Hopland, CA 95449

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Padi:

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Timothy Keefe
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North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

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Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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August 29, 2013

The Honorable Salvador Rosales
Chairperson, Potter Valley Tribe
2251 South State Street
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Rosales:

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North Region Environmental Branch-E1
District 1, Caltrans

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Kathleen Sartorius, Caltrans North Region Native American Liaison
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DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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August 29, 2013

The Honorable Nelson Pinola, Chairman
Manchester Band of Pomo Indians
P.O. Box 623
Point Arena, CA 95468

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

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Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

Nichole Jordan

From: Nichole Jordan
Sent: Tuesday, October 08, 2013 11:43 AM
To: christi.dukatz@gmail.com
Cc: Keefe, Timothy M@DOT
Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California
Attachments: Untitled Extract Pages.pdf

Good Afternoon Christi,

Thank you for taking my call this morning in regard to follow-up consultation (initial documentation attached) for the above referenced Project that was sent to the Nelson Pinola of the Manchester Band of Pomo Indians on August 29, 2013. If you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

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August 29, 2013

The Honorable Richard Smith, Chairperson
Laytonville Rancheria/Cahto Indian Tribe
P.O. Box 1239
Laytonville, CA 95454

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Smith:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Laytonville Rancheria/Cahto Indian Tribe within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR 800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to

either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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August 29, 2013

Mr. Greg Young
Environmental Coordinator,
Potter Valley Tribe
2251 South State Street
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Mr. Young:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Potter Valley Tribe within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as

the acting lead Federal agency would take the lead in this consultation as required under 36 CFR 800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
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EUREKA, CA 95502-3700
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FAX (707) 441-5775
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August 29, 2013

The Honorable Kenneth Wright
President, Round Valley Reservation/Covelo Indian Community
77826 Covelo Road
Covelo, CA 95428

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear President Wright:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Round Valley Reservation/Covelo Indian Community within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribe's assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

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your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR 800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
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August 29, 2013

Mona Oandasan,
Tribal Historic Preservation Officer
Round Valley Reservation/Covelo Indian Community
77826 Covelo Road
Covelo, CA 95428

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Oandasan:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

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Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
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August 29, 2013

The Honorable Emilio Valencia, Chairperson
Stewarts Point Rancheria
1420 Guerneville Road, Ste 1
Santa Rosa, CA 95403

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Valencia:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Stewarts Point Rancheria within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR

800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

Nichole Jordan

From: Nichole Jordan
Sent: Thursday, October 03, 2013 4:03 PM
To: emilio@stewartspoint.com
Cc: Keefe, Timothy M@DOT; Nichole Jordan (Nichole.Jordan@lsa-assoc.com)
Subject: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California
Attachments: MKT1003A_Stewarts Point.pdf

Honorable Emilio Valencia,

I am emailing you to follow-up on a consultation documentation (attached) for the above referenced Project that was sent to yourself, Nina Hapner, and Otis Parish on August 29, 2013. If you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
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August 29, 2013

Mr. Zhao Qui
Cultural Resources Coordinator, Redwood
Valley Rancheria of Pomo
3250 Road I Pomo
Redwood, CA 95470

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Mr. Qui:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Redwood Valley Rancheria of Pomo within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including

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Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
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August 29, 2013

Chairperson, Yokayo Tribe
P.O. Box 362
Talmadge, CA 95481

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson of the Yokayo Tribe:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Yokayo Tribe within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the

Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

Flex your power!
Be energy efficient!

August 29, 2013

Ms. Dina Bowen-Welsh
Secretary, She Bel Na Band of Pomo Indians
PO Box 1613
Fort Bragg, CA 95437

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retiorift Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Ms. Bowen-Welsh:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the She Bel Na Band of Pomo Indians within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native

American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

DEPARTMENT OF TRANSPORTATION
DISTRICT 1, P.O. BOX 3700
EUREKA, CA 95502-3700
PHONE (707) 441-2022
FAX (707) 441-5775
TTY 711

Flex your power!
Be energy efficient!

August 29, 2013

The Honorable Leona Williams
Chairperson, Pinoleville Pomo Nation
500 B Pinoleville Drive
Ukiah, CA 95482

01-Mendocino County-NA
FED PROJ # BRLRT 5910 (041)
Eureka Hill Road over Garcia River
Bridge Seismic Retrofit Project,
Mendocino County, California

Re: Invitation to Begin Consultation with Tribe

Dear Chairperson Williams:

The California Department of Transportation (Caltrans) is in the beginning phases of conducting oversight for a federally funded Local Assistance project that the County of Mendocino has plans to construct. Caltrans has federal oversight authority as a result of its NEPA assignment of its federal responsibilities by the Federal Highway Administration (FHWA), which became effective October 1, 2012 and pursuant to 23 USC 327.

The purpose of this letter is to begin consultation on the Eureka Hill Road over Garcia River Bridge Seismic Retrofit Project, Mendocino County, California. The Project includes seismic retrofits of the Eureka Hill Road Bridge (Bridge No. 10C-0034) over the Garcia River. As this project is in the early stages of design, alterations to this design and areas of impact likely can be accommodated if possible. The proposed project is located in Mendocino County on Eureka Hill Road, 2.2 miles east of the intersection of Eureka Hill Road and Ten Mile Road. The project area is located in Section 14, Township 12 North/Range 16 West, *Eureka Hill, Calif.* 7.5' USGS topographic quadrangle map. Attached to this letter is a copy of a topographic map indicating the project boundaries as well as basic project information.

Caltrans understands that there is the possibility that there could be resources of concern to the Pinoleville Pomo Nation within the initial Area of Potential Effect for this project. It is Caltrans' goal to avoid cultural resources if possible, so the Tribes assistance on this matter would be most welcome.

Since this is a Mendocino County Department of Transportation project, LSA Associates, Inc., Senior Cultural Resources Manager Nichole Jordan, a consultant representing this local government, will be contacting you shortly to initiate Native American consultation on the project. As part of this effort, Ms. Jordan will ask if the Tribe knows of any culturally sensitive locations at or near the project location. You will also be asked about the Tribe's concerns (if any) regarding the proposed project.

Caltrans recognizes the unique government-to-government relationship that the Federally Recognized Tribes hold with the Federal government. To complete environmental studies, Mendocino County will be coordinating with environmental consultants to conduct studies, provide consultation, and prepare documents. Should the Tribe prefer an alternative arrangement on how consultation is to occur, we would be glad to work with you to identify a mutually satisfactory means for including your concerns in the project development process. Therefore, if requested by the Tribe, Caltrans as the acting lead Federal agency would take the lead in this consultation as required under 36 CFR

800.2(c)(2)(ii)(C). In addition, if at any time during the consultation process the Tribe would like to either involve Caltrans in the consultation process or solely consult with Caltrans as the Federal lead agency, please contact me to make this happen. The Federal Highway Administration (FHWA) also understands that it may not delegate away its consultation responsibilities. If you would prefer to consult with FHWA on this project, you may contact Shawn Oliver of the FHWA California Division at (916) 498-5048 or shawn.oliver@fhwa.dot.gov.

Caltrans understands the sensitive nature of the environmental studies with regards to discussions on cultural resources and other environmental impacts which may affect your community. Due to this, your interest and participation is invaluable to the process. Caltrans wants to ensure that the Tribe's concerns are treated with respect and that such concerns are addressed to the Tribe's satisfaction.

If you have any questions or concerns with the content of this letter you can contact me (timothy_keefe@dot.ca.gov, or 707-441-2022), the Senior Environmental Planner for this project, Brandon Larsen (Brandon_larsen@dot.ca.gov or 707-445-6410), the Caltrans District 1 Native American Liaison, Kathleen Sartorius (Kathleen_Sartorius@dot.ca.gov or 707-441-5815), or the Mendocino County Department of Transportation Project Manager, R. V. Parker (parkerb@co.mendocino.ca.us or 707-463-4363). Nichole Jordan can be contacted via email Nichole.jordan@lsa-assoc.com or at her office 916-630-4600.

Sincerely,

Timothy Keefe
Associate Environmental Planner (Archaeologist)
North Region Environmental Branch-E1
District 1, Caltrans

Attachments: Topographic map indicating project location

cc: Brandon Larsen, Caltrans District 1 Local Assistance Environmental Senior
Kathleen Sartorius, Caltrans North Region Native American Liaison
R. V. Parker, Mendocino County Assistant Director of Transportation

APPENDIX E

Northwest Information Center search results (10-0137)

LSA ASSOCIATES, INC.
4200 ROCKLIN ROAD, SUITE 11B
ROCKLIN, CALIFORNIA 95677
916.630.4600 TEL
916.630.4603 FAX
BERKELEY
CARLSBAD
FORT COLLINS
FRESNO
IRVINE
PALM SPRINGS
PT. RICHMOND
RIVERSIDE
SAN LUIS OBISPO

August 28, 2013

County of Mendocino
Attn: Archaeological Commission of Mendocino County
501 Low Gap Road
Ukiah, CA

Subject: Eureka Hill Road over Garcia River Bridge Retrofit Project, near Point Arena, Mendocino County, California (LSA Project #MKT1003A)

Dear County of Mendocino:

The County of Mendocino is proposing to retrofit the *Garcia River Bridge* (No. 10C0034) that carries Eureka Hill Road over the Garcia River, approximately 5.3 miles east of Point Arena, Mendocino County, California. LSA Associates, Inc. is conducting a study to determine if the project might affect cultural resources. The project area is located in Township 12 North, Range 16 West, within a portion of section 14, Mount Diablo Base Line and Meridian, as depicted on the accompanying portion of the USGS *Eureka Hill, Calif.* 7.5' topographic map.

Please notify us if your organization has any information or concerns about historical sites in the project area. This is not a request for research; it is solely a request for public input for any concerns that the historical society may have. If you have any questions, please contact me at your earliest convenience.

Sincerely,

LSA ASSOCIATES, INC.

Nichole Jordan

Nichole Jordan, M.A., RPA
Cultural Resources Manager



FIGURE 1

LEGEND

Project Location

0 2.5 5
MILES

SOURCE: ESRI Imagary (4/2013)

I:\MKT1003A\GIS\CULTURAL\mkt1003a_fig1.mxd (4/5/13)

Eureka HIll Road over Garcia River (10C0034) Bridge Replacement
Mendocino County, California

Regional Location

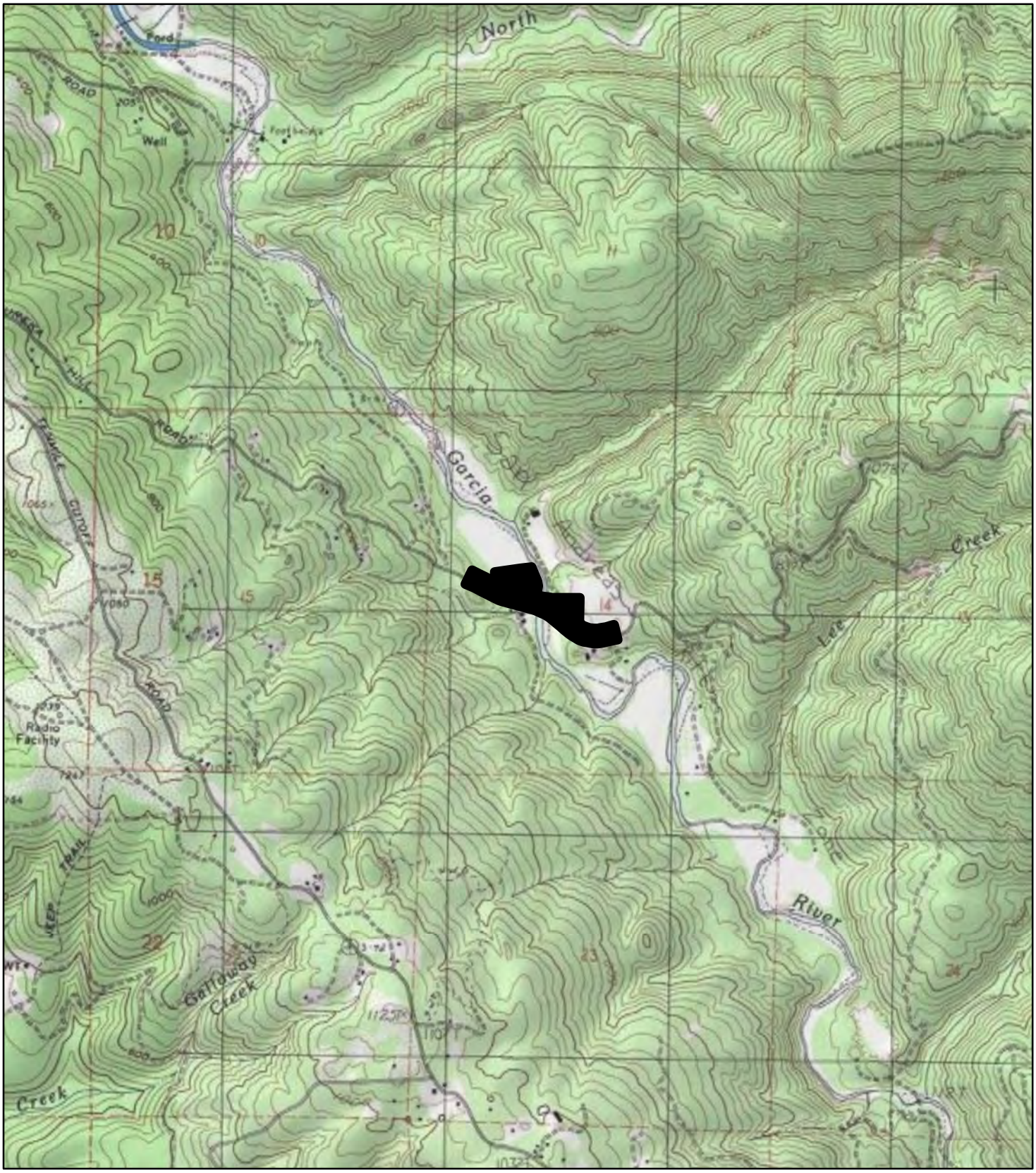


FIGURE 2

LEGEND

Project Area

0 0.5 1

MILES

Eureka HIll Road over Garcia River (10C0034) Bridge Replacement
Mendocino County, California

Project Area

SOURCE: Eureka Hill (USGS), Township 12 North, Range 16 West, portion of section 14

I:\MKT1003A\GIS\CULTURAL\MKT1003A_fig2.mxd (4/5/13)

Nichole Jordan

From: Nichole Jordan
Sent: Friday, October 04, 2013 8:25 AM
To: Dusty Duley
Cc: Keefe, Timothy M@DOT
Subject: RE: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California

Dusty,

Thank you for providing comments. We will be sure to send you approved copies of the cultural resources documents.

Thank you for your time and enjoy your day.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

From: Dusty Duley [mailto:duleyd@co.mendocino.ca.us]
Sent: Friday, October 04, 2013 8:10 AM
To: Nichole Jordan
Subject: Re: Eureka Hill Road over Garcia River Bridge Improvement Project, Mendocino County, California

Nichole,
Thank you for the opportunity to provide comments. The Commission would simply request a copy of cultural resources study once completed. Thanks again.
Dusty

Dusty Duley
Planner
Mendocino County
Planning and Building Services
860 N. Bush St.
Ukiah, CA 95482
Phone: (707) 463-4281
FAX: (707) 463-5709
email: duleyd@co.mendocino.ca.us
Web site: www.co.mendocino.ca.us/planning/>>> "Nichole Jordan" <Nichole.Jordan@lsa-assoc.com> 10/3/2013 4:41 PM >>>
Good Afternoon Dusty,

Thank you for taking my call this afternoon in regard to follow-up consultation (initial documentation attached) for the above referenced Project that was sent to the Archaeological Commission of Mendocino County on August 28, 2013. If

you have any questions of concerns about the Project please contact me or Tim Keefe at your earliest convenience. Thank you for your time.

Nichole Jordan
Senior Cultural Resources Manager
LSA Associates, Inc.
4200 Rocklin Road, Suite 11B
Rocklin, CA 95677
p. 916-630-4600 / f. 916-630-4603
c. 916-799-3861

LSA ASSOCIATES, INC.
4200 ROCKLIN ROAD, SUITE 11B
ROCKLIN, CALIFORNIA 95677

916.630.4600 TEL
916.630.4603 FAX

BERKELEY
CARLSBAD
FORT COLLINS
FRESNO
IRVINE
PALM SPRINGS
PT. RICHMOND
RIVERSIDE
SAN LUIS OBISPO

April 18, 2013

Mendocino County Historical Society
603 West Perkins Street
Ukiah, CA 95482
(707) 462-6969

Subject: Eureka Hill Road over Garcia River Bridge Retrofit Project, near Point Arena, Mendocino County, California (LSA Project #MKT1003A)

Dear Mendocino County Historical Society:

The County of Mendocino is proposing to retrofit the *Garcia River Bridge* (No. 10C0034) that carries Eureka Hill Road over the Garcia River, approximately 5.3 miles east of Point Arena, Mendocino County, California. LSA Associates, Inc. is conducting a study to determine if the project might affect cultural resources. The project area is located in Township 12 North, Range 16 West, within a portion of section 14, Mount Diablo Base Line and Meridian, as depicted on the accompanying portion of the USGS *Eureka Hill, Calif.* 7.5' topographic map.

Please notify us if your organization has any information or concerns about historical sites in the project area. This is not a request for research; it is solely a request for public input for any concerns that the historical society may have. If you have any questions, please contact me at your earliest convenience.

Sincerely,

LSA ASSOCIATES, INC.

Nichole Jordan

Nichole Jordan, M.A., RPA
Cultural Resources Manager

APPENDIX E

Northwest Information Center search results (10-0137)

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM



ALAMEDA
COLUSA
CONTRA COSTA
LAKE
MARIN
MENDOCINO
MONTEREY
NAPA
SAN BENITO
SAN FRANCISCO
SAN MATEO
SANTA CLARA
SANTA CRUZ
SOLANO
SONOMA
YOLO

Northwest Information Center
Sonoma State University
150 Professional Center Drive, Suite E
Rohnert Park, California 94928-3609
Tel: 707.588.8455
Email: leigh.jordan@sonoma.edu
http://www.sonoma.edu/nwic

INFORMATION CENTER ACCESS AGREEMENT

FILE NO.: 10-0137

I, the undersigned, have been granted access to historical resources information on file at the Northwest Information Center (NWIC) of the California Historical Resources Information System.

I understand that any CHRIS Confidential Information I receive shall not be disclosed to individuals who do not qualify for access to such information, as specified in Section III (A-E) of the CHRIS Information Center Rules of Operation Manual, or in publicly distributed documents without written consent of the Information Center Coordinator.

I agree to submit historical Resource Records and Reports based in part on the CHRIS information released under this Access Agreement to the Information Center within sixty (60) calendar days of completion.

I agree to pay for CHRIS services provided under this Access Agreement within sixty (60) calendar days of receipt of billing.

I understand that failure to comply with this Access Agreement shall be grounds for denial of access to CHRIS Information.

*** PLEASE SIGN AND RETURN THIS FORM. SEE ATTACHED INVOICE ***

Print Name: Kathleen Kubal Date: 8/9/10

Signature: [signature]

Affiliation: LSA Associates

Address: 157 Park Pl. City/State/Zip: Richmond, CA 94801

Billing Address (if different than above):

Special Billing Instructions:

Telephone: 510.236.6810 Fax: Email: Kathleen.Kubal@LSA-assoc.com

Purpose of Access: Records Search

Reference (project name or number, title of study, and street address if applicable):

Eureka Hill Rd - Garcia River Bridge Project

County: Mendocino Township/Range/UTMs:

USGS 7.5' Quad: Point Arena & Eureka Hill

----------STAFF USE ONLY----------

INFORMATION CENTER ACCESS AGREEMENT BILLING ITEMIZATION

CLIENT NAME: Kuba1 NWIC FILE NO.: 10-0137

Date request rec'd: Mail_____ Phone_____ Fax_____ In person 8-9-10

Date of response: Mail_____ Phone_____ Fax_____ In person_____

CHECK IN: 10:45 CHECK OUT: 11:45

CHECK IN: _____ CHECK OUT: _____

Staff Processing:	_____ hour(s) @ $150/hour	$_____
In Person Research:	1 hour(s) @ $100/hour/person	$100.00
Digitized Features On Map:	Number: _____	$_____
Quads:	Number: _____	$_____
Address-mapped Flat Fee:		$_____
Xerox/Computer Pages($0.15/page):	Page(s): 96	$14.40
Labor Charge:	Hour(s): _____	$_____
PDF pages($0.15/page)	Page(s): _____	$_____
PDF Flat Fee:		$_____
Other:		$_____
	SUBTOTAL	$_____
	SUBTOTAL Date:_____	$_____
	SUBTOTAL Date:_____	$_____
	SUBTOTAL Date:_____	$_____

Rapid Response surcharge of 50% of total cost: SURCHARGE $_____

Emergency Response surcharge of 100% of total cost: SURCHARGE $_____

Liz Blanke
Information Center Staff

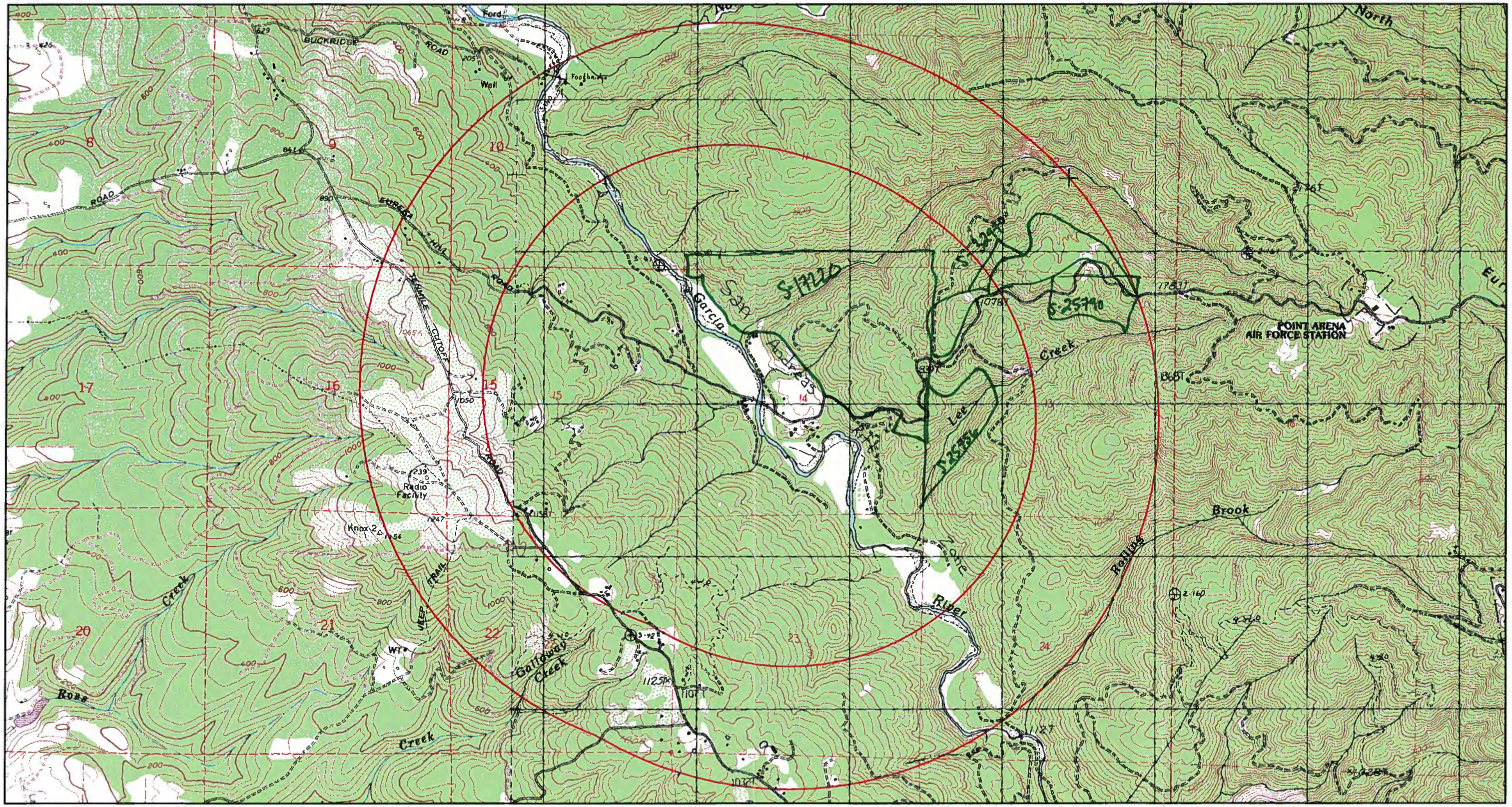
Invoice N13627 TOTAL $114.40

File No.:_____

RECORD SEARCH DOCUMENT LIST

Referenced Document Number or Name	No. of Copies Made
P-23-4780	2
P-23-4781	2
P-23-4782	2
S-33750	14
S-32008	28
S-25756	17
S-24667	24
S-17220	3
OHP - Point Arena	4

Name of Researcher:_____ TOTAL: 96



LSA

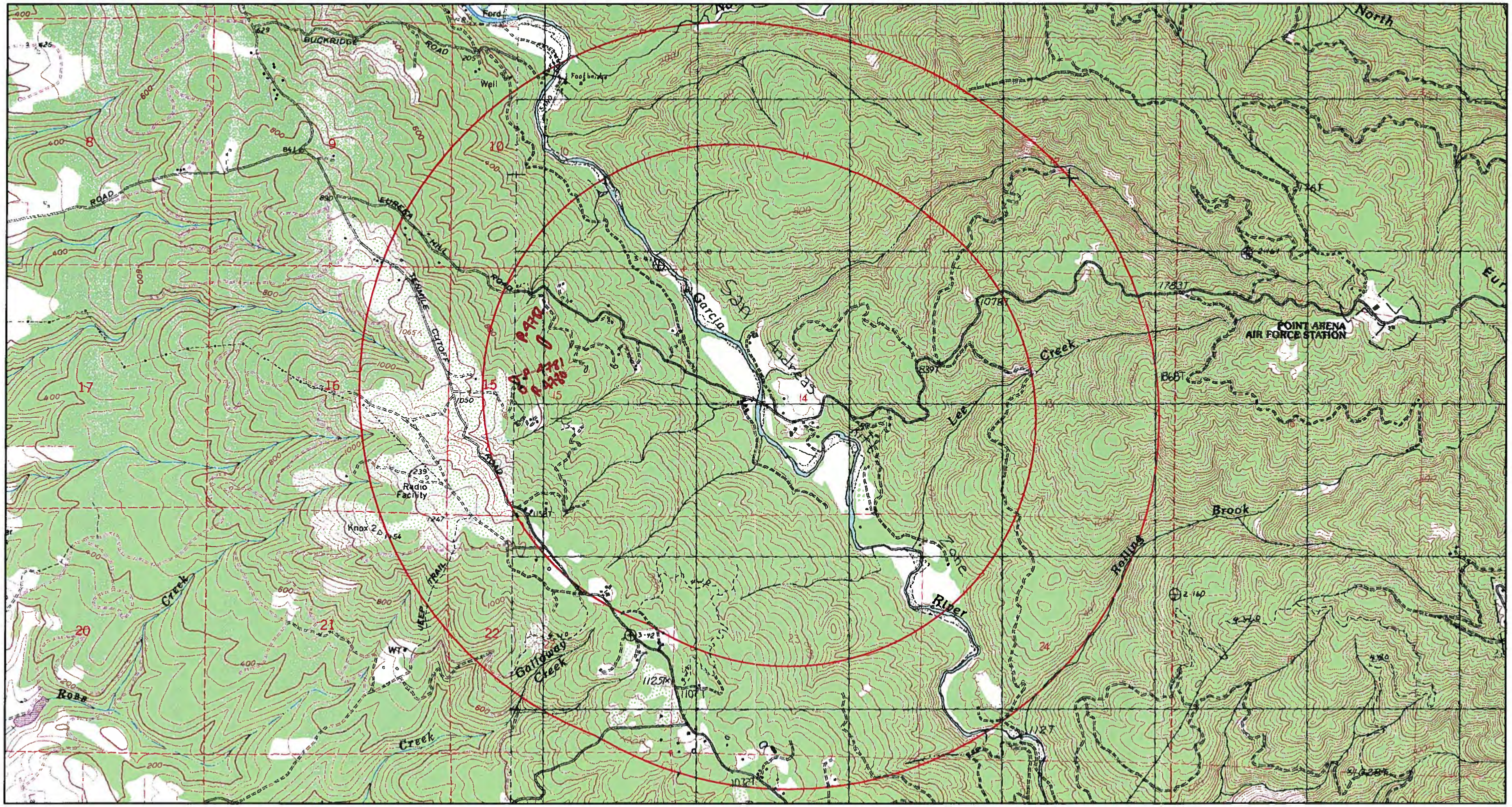
Records Search

0 1000 2000
FEET

Eureka Hill Road - Garcia River Bridge Project
Near Point Arena, Mendocino County, California

SOURCE: USGS 7.5' Topographic Quads: *Point Arean Calif.*, 1978 and *Eureka Hill Calif.* 1991

I:\MKT1003A\GIS\Maps\Cultural\Records_Search.mxd (8/7/2010)



LSA

Records Search

Sites

0 1000 2000
FEET

Eureka Hill Road - Garcia River Bridge Project
Near Point Arena, Mendocino County, California

SOURCE: USGS 7.5'Topographic Quads: *Point Arean Calif.*, 1978 and *Eureka Hill Calif.* 1991

I:\MKT1003A\GIS\Maps\Cultural\Records_Search.mxd (8/7/2010)

APPENDIX F

Historical Topographic Maps

CALIFORNIA
POINT ARENA QUADRANGLE
GRID ZONE "G"
N3845-W12330/15

WAR DEPARTMENT
CORPS OF ENGINEERS, U. S. ARMY

17° 18° 19° 20° 21° 22°

CALIFORNIA
POINT ARENA QUADRANGLE
GRID ZONE "G"
15 MINUTE SERIES

(ALBION) 123° 45' 1510000 FT. ALBION 21.4 MI. 40' (SADDLE POINT) 35' 123° 30' (ORRS)

39° 00' 490000 FT. 1820 1815 1810 1805 1800 1795000 YARDS

55' 50'

38° 45' 740000 YARDS 745 P 40' 750 35' 755 760 SANTA ROSA 69.6 MI. 1570000 FT. 38° 45' (PLANTATION)

400000 FT.

10 Miles 9 8 7 6 5 4 3 2 1 0 1/2

Yards 10000 9000 8000 7000 6000 5000 4000 3000 2000 1000 0 1000 500

Arena Rock
POINTS ARENA
Manchester
Kendall Ranch
SPUR 2
BOYLE
Starramella Ranch
Pierce Ranch
Baggi Ranch
SHOEMAKER 2
Lagoon Cr
Brush Creek
Sponish Creek
Mill Creek
Hakley Ranch
Lawson Ranch
Titus Ranch
Dr Huntley Ranch
Cem
A Stronetta Ranch
Stronetta Ranch
Garcia River
Hathoway Creek
Sea Lion Rocks
Iverson Indian Rancheria
Halliday Ranch
Beebe Ranch
Connors Resort
Canterbury Lodge
Buckridge Ranch
Hillcrest Dairy
POINT ARENA LAT
Arena Cove
CG
SMITH
Point Arena
POINT ARENA LONG
Point Arena Creek
Mate Creek
Lepori Ranch
Grant Ranch
Warren Ranch
Ross Creek
MOAT
Galloway Creek
Schooner Gulch
SAUNDERS HILL 2
Craig Ranch
Rocky Gulch
Saunders Reef
SAUNDERS LANDING
IVERSON LANDING
Iverson Point
Anderson Ranch
Walker Gulch
Morrison Gulch
Slick Rock Creek
Sail Rock Ranch
Sail Rock
FOX 2
Signal Port Roseman Creek
Everson Ranch
Reimers Ranch
Wildwood Ranch
STEENS LANDING
McNamees Ranch
TRIPLE HILL
BOULDER
ROCKY PEAK
Triplett Gl
Fish Rock Gulch
Ferguson Gulch
Quin Gulch
Loven Gulch
Havens Neck
Anchor Bay Settlement Cem
Butler Ranch
Johnson Ranch
Fish Rocks
HAVENS ANCHORAGE
COLLINS LANDING
Getchell St
Orr Creek
Glennap Gulch
Seaside School
Bourns Gl
Riser Ranch
BOURNS LANDING
Bourns Family Cem
Bourns Rock
Anderson Ranch
Robinson Point
Robinson Reef
Gualala River
Gualala Cem
Gualala Point
MENDOCINO CO
SONOMA CO
Nye Creek
Jim Com Creek
John Creek
Alder Creek
North Fork Alder Creek
Mt View Ranch
Piper Ranch
Lookout Ranch
Jacks Opening
Campbell Ranch
Brayton Ranch
Moungovans Ranch
Dunbar Ranch
Smith Ranch
South Fork Brush Creek
North Fork Garcia River
Little North Fork Gualala River
Log Cabin Cr
Dairy Creek
Bid School House Gulch
NFk Gualala R
PACIFIC OCEAN

Prepared under the direction of the Chief of Engineers, U. S. Army, 1943.
Horizontal and vertical control by U. S. Engineer Office, Los Angeles, California, 1942, U. S. Coast and Geodetic Survey, 1930-1942 and U. S. Geological Survey, 1942.
Topography by U. S. Engineer Office, Los Angeles, California, 1943, from aerial photographs utilizing photogrammetric plotting equipment.
Aerial photography under the direction of U. S. Engineer Office, Los Angeles, California, 1942.
This map complies with the national standard map accuracy requirements.
Polyconic Projection, North American 1927 Datum.

ROAD CLASSIFICATION

Dependable hard-surface, heavy-duty road.
Loose-surface graded, dry weather road.
U. S. Route (101)
Secondary, hard-surface, all-weather road.
Dirt road
State Route (85)
More than two lanes indicated by note along road with tick at point of change.
3 LANE | 4 LANE
Road Data 1943

BRUSH

Scale 1/62500

1/2 0 1 2 3 Miles

1000 500 0 1000 2000 3000 4000 5000 Yards

CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL (1929 ADJ.)
FIVE THOUSAND YARD GRID COMPUTED FROM "GRID SYSTEM FOR PROGRESSIVE MAPS OF THE U. S." ZONE "G," U. S. C. & G. S. SPECIAL PUBLICATION NO. 59 (THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED)
CALIFORNIA STATE GRID ZONE 2 IS INDICATED BY DOTTED TICKS OUTSIDE THE NEAT LINE AT 10,000 FOOT INTERVALS
NOTE: OFFICERS USING THIS MAP WILL MARK HEREON CORRECTIONS AND ADDITIONS WHICH COME TO THEIR ATTENTION AND MAIL DIRECT TO "THE CHIEF OF ENGINEERS, WASHINGTON, D. C."

1°39' 29 MILS TRUE NORTH MAGNETIC NORTH 20°00' 356 MILS

APPROXIMATE MEAN DECLINATION 1943
FOR CENTER OF SHEET
ANNUAL MAGNETIC CHANGE 40" DECREASE
USE DIAGRAM ONLY TO OBTAIN NUMERICAL VALUES. TO DETERMINE MAGNETIC NORTH LINE, CONNECT THE PIVOT POINT "P" ON THE SOUTH EDGE OF THE MAP WITH THE VALUE OF THE ANGLE BETWEEN GRID AND MAGNETIC NORTH, AS PLOTTED ON THE DEGREE SCALE AT THE NORTH EDGE OF THE MAP.

29TH ENGINEER REPRODUCTION PLANT, PORTLAND OREGON
AMS NO. 101547
1943

USGS
Historical File
Topographic Division

PT. ARENA, CALIF.
N3845-W12330 / 15

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

POINT ARENA QUADRANGLE
CALIFORNIA
15 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and USCE

NW, SW, and SE quarters compiled in 1961 from 1:24 000-scale maps dated 1960. NE quarter topography by photogrammetric methods from aerial photographs taken 1957. Field checked 1960

Selected hydrographic data compiled from USC&GS surveys (1929)
This information is not intended for navigational purposes

Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 2
1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue

APPROXIMATE MEAN DECLINATION, 1960
TRUE NORTH 18°
MAGNETIC NORTH

SCALE 1:62500

CONTOUR INTERVAL 80 FEET
DOTTED LINES REPRESENT 40-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 4 FEET

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS Historical File
Topographic Division

QUADRANGLE LOCATION

ROAD CLASSIFICATION
Medium-duty — Light-duty
Unimproved dirt
State Route

The NW, SW, and SE quarters also covered by 7.5-minute, 1:24 000-scale maps: Point Arena 1960, Saunders Reef 1960, and Gualala 1960

POINT ARENA, CALIF.
N3845—W12330/15

1960

JAN 22 1963
5050
FILE COPY
TOPOGRAPHIC DIVISION

APPENDIX G

Photographs



Photo 1. Overview of APE with west approach of Eureka Hill Road Bridge (10C0034) in background, view southeast.

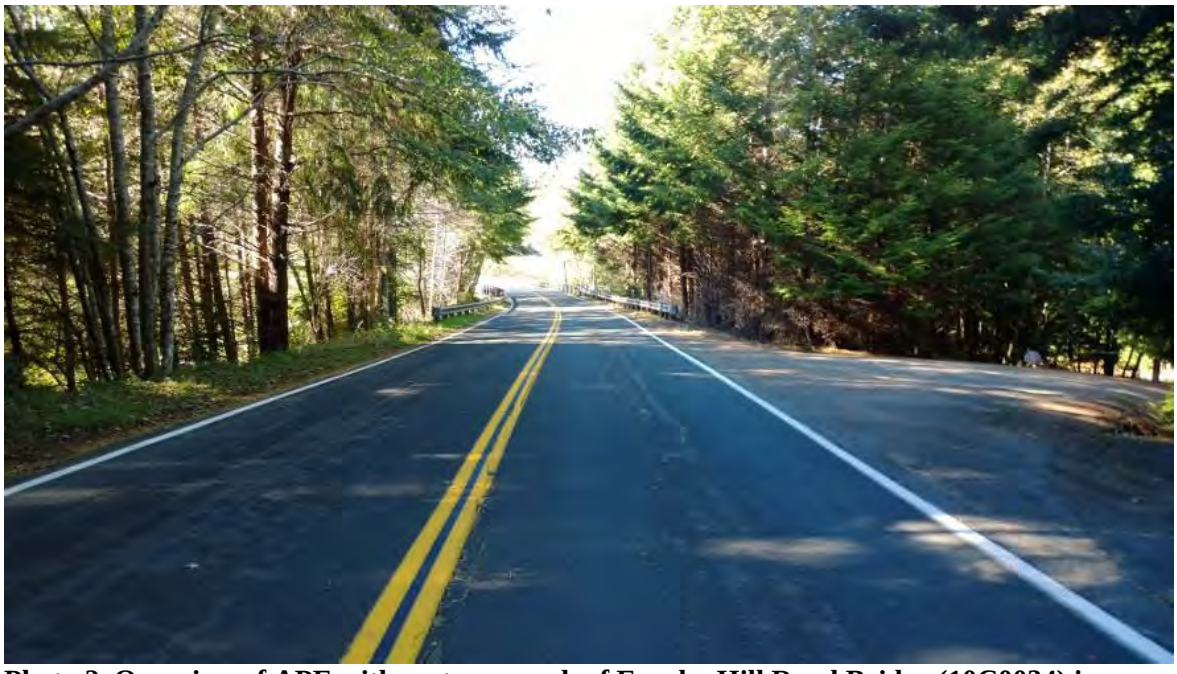


Photo 2. Overview of APE with east approach of Eureka Hill Road Bridge (10C0034) in background, view northwest.



Photo 3. Overview of western staging area within plowed field on elevated terrace, view north.

APPENDIX B

INITIAL SITE ASSESSMENT

DRAFT

INITIAL SITE ASSESSMENT

Eureka Hill Road Bridge Retrofit

Mendocino County, California

Prepared by:

BLACKBURN CONSULTING
11521 Blocker Drive, Suite 100
Auburn, CA 95603
(530) 887-1494

Prepared for:

Mark Thomas & Company, Inc.
7300 Folsom Blvd., Suite 203
Sacramento, CA 95826

May 2014

Auburn Office:
11521 Blocker Drive, Suite 110 ▪ Auburn, CA 95603
(530) 887-1494 ▪ Fax (530) 887-1495

blackburn consulting

Modesto Office: (209) 522-6273
Fresno Office: (559) 438-8411
West Sacramento Office: (916) 375-8706

Geotechnical ▪ Geo-Environmental ▪ Construction Services ▪ Forensics

File No. 1615.3
May 30, 2013

Mr. Zach Siviglia
Mark Thomas & Company, Inc.
7300 Folsom Blvd., Suite 203
Sacramento, CA 95826

Subject**:** **DRAFT INITIAL SITE ASSESSMENT**
Eureka Hill Road Bridge Retrofit (Bridge No. 10C-0034)
Mendocino County, California

Dear Mr. Siviglia,

Blackburn Consulting (BCI) prepared this Initial Site Assessment (ISA) for the Eureka Hill Road Bridge seismic retrofit project in Mendocino County, California.

We completed this work in accordance with our proposal dated August 9, 2011. This report's purpose is to identify hazardous and potentially hazardous materials issues that may significantly impact the proposed project. This report addresses the property both within and immediately adjacent to the proposed improvement area.

As always, BCI appreciates the opportunity to be part of your team. Please call if you have questions or require additional information.

Sincerely,

BLACKBURN CONSULTING

David Buck, C.E.G.
Sr. Project Manager

Laura Long
Environmental Engineer

INITIAL SITE ASSESSMENT
EUREKA HILL ROAD BRIDGE RETROFIT
Mendocino County, California

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EXECUTIVE SUMMARY

Blackburn Consulting (BCI) completed this Initial Site Assessment (ISA) for the proposed Eureka Hill Road Bridge seismic retrofit project near Point Arena, Mendocino County, California. The purpose of this assessment is to identify recognized environmental conditions (RECs) [1] and/or potential RECs within and adjacent to the proposed improvement area which could affect the design, constructability, feasibility, and/or the cost of the proposed project.

The existing bridge spans approximately 320 feet and was constructed in 1969. Retrofit will include the addition of new foundation elements. The project will also include pavement rehabilitation of the approach roadways on both sides of the bridge. We understand the project will require some temporary construction easements but no new property acquisition.

REC/Potential REC Sites Near the Project

We reviewed the database records and performed a site reconnaissance to search for indications of RECs which may potentially impact the project. No REC or potential REC sites were identified within or adjacent to the project boundaries.

General Contamination/Hazardous Materials Issues

Asbestos Containing Materials

The bridge was built in 1969 and therefore may have asbestos containing materials (ACM). Abatement of ACM should be conducted by contractors certified to perform such work and in accordance with state and federal regulations.

Traffic Stripes

White and yellow traffic striping is present within the project area. Both colors of striping typically contain lead, but older yellow striping is known to contain concentrations of heavy metals such as lead and chromium in excess of the hazardous waste thresholds established by the California Code of Regulations (CCR) and may produce toxic fumes when heated. Consequently, removal of any traffic striping within the project area will require proper handling, disposal, and development of an appropriate Lead Compliance Plan. Ultimately, processes and requirements for removal or grinding of traffic striping shall be in compliance with current Caltrans Standard Special Provisions (SSP's).

[1] BCI uses the term Recognized Environmental Condition (REC) in general but not strict compliance with ASTM E1527-13, which defines the meaning as *"the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimus conditions that generally do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of the appropriate regulatory agencies. Conditions determined to be de minimus are not recognized environmental conditions."* BCI includes this definition to clarify conditions addressed in this ISA but it does not imply that this ISA is compliant with ASTM E 1527 – 13.

1 INTRODUCTION

This Initial Site Assessment (ISA) was completed for the proposed Eureka Hill Road Bridge (Bridge No. 10C-0034) seismic retrofit project near Point Arena, Mendocino County, California. The purpose of this ISA is to identify recognized environmental conditions (REC) [2] and potential RECs within and adjacent to the proposed improvement area.

To conduct this ISA, BCI:

- Reviewed historical aerial photographic and topographic map coverage for the project area and surrounding properties for indications of potential sources of contamination that could impact the planned road improvement project. Copies of aerial photos are included in Appendix A. Copies of topographic maps are included in Appendix B.
- Performed federal, state, and county records review for indications of the use, misuse, or storage of hazardous and/or potentially hazardous materials on or near the project corridor. The federal, state, and county database search was provided by Environmental Data Resources, Inc. (EDR) of Southport, Connecticut. A printed copy of the EDR report's Executive Summary, as well as the complete EDR report in CD format are included in Appendix C.
- Performed an independent search of online Envirostor[3] and Geotracker[4] databases.
- Visited the project area.

2 PROJECT DESCRIPTION AND LOCATION

2.1 Description and Location

The project is located on Eureka Hill Road at the Garcia River crossing, about 4.5 miles southeast of the City of Point Arena in Mendocino County, California. Site coordinates are approximately latitude 38.903272° N and longitude 123.607583°W. We show the project location on Figure 1. The existing bridge spans approximately 320 feet and was constructed in 1969 by the U.S. Army Corps of Engineers. The bridge is constructed of unpainted concrete with unpainted galvanized guardrails. The seismic retrofit will include the addition of new foundation elements at the abutments and bents. The project will also include pavement rehabilitation of the approach roadways on both sides of the bridge. This work will include removal of the existing

[2] BCI uses the term Recognized Environmental Condition (REC) in general but not strict compliance with ASTM E1527-05, which defines the meaning as *"the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimus conditions that generally do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of the appropriate regulatory agencies. Conditions determined to be de minimus are not recognized environmental conditions."* BCI includes this definition to clarify conditions addressed in this ISA but it does not imply that this ISA is compliant with ASTM E 1527 – 05.

[3] California Department of Toxic Substances Control Envirostor website (DTSC 2014)

[4] California State Water Quality Control Board Geotracker website (SWRCB 2014)

pavement, replacement of any failed roadway base areas, and placement of new hot mix asphalt pavement. We understand the project will require some temporary construction easements but no new property acquisition.

Figure 1 presents the Vicinity Map, and Figure 2 presents the Site Plan.

2.2 Regional Geology and Physical Setting

The project is located in the Coast Ranges geomorphic province of California. This geomorphic province is characterized by a series of discontinuous northwest-trending mountain ranges extending from the Klamath Mountains along the north coast of California to the Transverse Ranges in Southern California. The Coast Ranges are composed of thick Mesozoic and Cenozoic sedimentary strata that have a complex structure due to intense folding, faulting, and metamorphism.

Published geologic mapping[5] shows surface materials at the project site as Paleocene and Eocene marine sedimentary rocks (sandstone and mudstone) of the German Rancho Formation. Tertiary-Cretaceous Coastal Belt Rocks of the Franciscan Complex (marine sandstone, shale and conglomerate) are mapped just east of the site. No rock outcrops were observed within the channel at the existing bridge and surface materials within the stream channel and banks consist of sand, gravel and cobble (unconsolidated recent alluvium) in the immediate vicinity of the bridge.

The site is located within the San Andreas Fault Zone (North Coast Section) in an Alquist-Priolo Special Studies Zone. Active traces of this fault are mapped[6] approximately 400-feet east of the bridge and 1000-feet to the west.

The Mendocino County Air Quality Management District map entitled “Map of Likely Areas to Contain Naturally Occurring Asbestos in Mendocino County” shows the project site to be outside the “area of concern” for naturally occurring asbestos (NOA). Geotechnical borings performed by BCI at the bridge site in October 2010 did not encounter rock types associated with NOA.

Review of project general plan indicates the ground surface elevation is approximately 107-feet above mean sea level (msl) at the west bridge abutment, 115-feet above msl at the east abutment and 81-feet above msl at the low point of the river channel. Based on review of the EDR Geocheck Physical Setting Summary (USGS 7.5’ Digital Elevation Model) elevation of the local terraine increases to a maximum of nearly 900 feet above msl within a one mile radius of the site.

[5] Wagner, D.L., Bortugno, E.J., 1982, Geologic Map of the Santa Rosa Quadrangle, California Geological Survey, Regional Geologic Map No. 2A, Scale 1:250,000.
[6] State of California, July 1974, Special Studies Zones, NE ¼ Point Arena Quadrangle, Scale 1:24,000.

2.3 Surface Water, Groundwater, Wells

At the bridge location, the Garcia River flows northerly within an approximately 180-foot wide channel area. From summer to early fall, river flows are generally confined to an approximately 60-foot wide low flow channel located on the western side of the riverbed. Riverbed materials generally consist of sand, gravel and cobble in the vicinity of the bridge.

Ground water levels can fluctuate due to changes in precipitation, river water levels, pumping of wells, and other factors. BCI expects that ground water levels will be near the river surface water level in the vicinity of the bridge, although ground water levels may vary from this at river bank areas based on geotechnical borings performed at the bridge abutments by BCI in October 2011. The borings encountered groundwater at approximate elevations of 92 feet above msl near the east abutment and 83-feet above msl near the west abutment.

We did not identify any Federal USGS Database wells or Public Water Supply wells located within1-mile of the project area.

2.4 Current Land Use

The area surrounding the bridge site consists of rural/farm residences and agricultural fields.

2.5 Historic Land Use

The area was used for agriculture historically.

2.5.1 *Aerial Photograph Review*

We reviewed the following historic aerial photography to identify conditions that may indicate potential hazardous materials issues within or adjacent to the project corridor:

1957 Photo source - USGS, Scale 1"=500'
1964 Photo source - Cartwright, Scale 1"=500'
1977 Photo source - NASA, Scale 1"=500'
1983 Photo source - USGS, Scale 1"=500'
1987 Photo source - USGS, Scale 1"=500'
1998 Photo source - EDR, Scale 1"=500'
2005 Photo source - EDR, Scale 1"=500'
2006 Photo source - EDR, Scale 1"=500'
2009 Photo source - EDR, Scale 1"=500'
2010 Photo source - EDR, Scale 1"=500'
2012 Photo source - EDR, Scale 1"=500'

The following summarizes the findings of our photo review. Copies of aerial photographs are provided in Appendix A:

1957: The Eureka Hill Road Bridge is seen as a straight span. Some structures are seen near the west end of the bridge. Agricultural fields are seen east of the bridge site.

1964: Poor image quality; appears no significant changes.

1977: The bridge has been replaced with a curved structure. Structures have been built on properties east of the bridge site.

1983: Very poor image quality; appears no significant changes.

1987: No significant changes noted.

1998: No significant changes noted.

2005: No significant changes noted.

2006: No significant changes noted.

2009: No significant changes noted.

2010: No significant changes noted.

2012: No significant changes noted.

2.5.2 *Topographic Map Review*

The following topographic maps were reviewed for features that may indicate an impact to the site. This summary includes noted changes within and adjacent to the project location as recorded on the maps. Appendix B contains copies of the topographic maps:

1947 Point Arena 15'Quad Map, Scale 1:50,000

- The Eureka Hill Road Bridge is shown with buildings located near the west end of the bridge.

1960 Point Arena 15'Quad Map, Scale 1:62,500

- No significant changes.

1958 Eureka Hill 7.5'Quad Map, Scale 1:24,000

- The Eureka Hill Road Bridge is shown with a new orientation.

2.5.3 *Sanborn® Map Review*

Sanborn® Maps do not exist for the project area.

3 RECORDS REVIEW

3.1 County, State and Federal Records Review

Environmental Data Resources, Inc. (EDR), a commercial data base search firm, performed a radius search for the study area on May 16, 2014. The search includes a review of county, state, federal and EDR proprietary databases. The EDR report contains a list of searched databases. Appendix C presents the EDR Report Executive Summary in hardcopy and the entire report on a CD. The maximum search radius is 1 mile from the bridge site. Sites with adequate address information are plotted on EDR's site plan "EDR Radius Map with Geocheck". EDR lists sites with inadequate address information as "orphan sites" and does not provide mapped locations. The complete list of 5 "orphan sites" identified by EDR was reviewed and it was determined there are no additional sites that appear to be located within the project study area.

3.2 Summary of Records Search

To generate this summary, we reviewed the database records search for sites within the project area or considered close enough to the project area to potentially impact the project. The database identified two REC sites within 1/2-mile of the project, however both of these sites were determined to be mis-located and are not near the project. Our independent review of the Envirostor and Geotracker databases did not identify additional REC sites near the project.

3.3 City Directory Review

The historical city directory was reviewed. No potential REC sites were identified.

3.4 Title Documents Review

Title documents for this assessment were not provided.

4 RECONNAISSANCE INFORMATION

4.1 Subject Property Reconnaissance

A site reconnaissance was completed on May 27, 2014. Observations were made from publicly accessible portions of the study area. The observations generally support the descriptions and background data above.

5 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

The scope of this initial site assessment was directed at:

- Determining whether there may be hazardous materials at or near the project area at concentrations likely to warrant mitigation pursuant to regulations;

- Identifying sites with recognized environmental conditions (RECs) and/or potential RECs within and adjacent to the proposed improvement area which could affect the design, constructability, feasibility, and/or the cost of the proposed project; and
- Identifying acquisition sites that will require appropriate steps in the acquisition process to address potential site contamination issues.

The assessment identified the following environmental conditions that should be considered for present and future planning for the proposed project.

5.1 REC/Potential REC Sites Near the Project

No REC or potential REC sites were identified within or adjacent to the project boundaries.

5.2 General Contamination/Hazardous Materials Issues

Asbestos Containing Materials – The bridge was built in 1969, and therefore may contain asbestos containing materials (ACM). Prior to structural modifications or demolition, a survey for ACM should be conducted. ACM inspections in California are required to be conducted by a Certified Asbestos Consultant (CAC) or by a Certified Site Surveillance Technician (CSST) working under a CAC. Abatement of ACM should be conducted by contractors certified to perform such work and in accordance with state and federal regulations. Waste management issues for ACM are regulated under California Code of Regulations Title 22.

Traffic Stripes – White and yellow traffic striping is present within the project area. Both colors of striping typically contain lead, but older yellow striping is known to contain concentrations of heavy metals such as lead and chromium in excess of the hazardous waste thresholds established by the California Code of Regulations (CCR) and may produce toxic fumes when heated. Consequently, removal of any traffic striping within the project area will require proper handling, disposal, and development of an appropriate Lead Compliance Plan. Ultimately, processes and requirements for removal or grinding of traffic striping shall be in compliance with current Caltrans Standard Special Provisions (SSP) 15-305 "Residue Containing Lead from Paint and Thermoplastic".

Aerially Deposited Lead (ADL) – Soil located adjacent to heavily trafficked roadways may contain elevated concentrations of ADL in exposed surface soils, which could pose a health hazard to construction workers and impact removal from the site and/or areas where the soils are placed. ADL is not likely to have a significant impact on this project because:

- Eureka Hill Road is not a heavily used thoroughfare.
- Potentially affected soil would be limited to minor areas of exposed soil at both ends of the bridge.

Ultimately, the design team should determine whether an ADL assessment is required to meet Caltrans' requirements.

6 LIMITATIONS

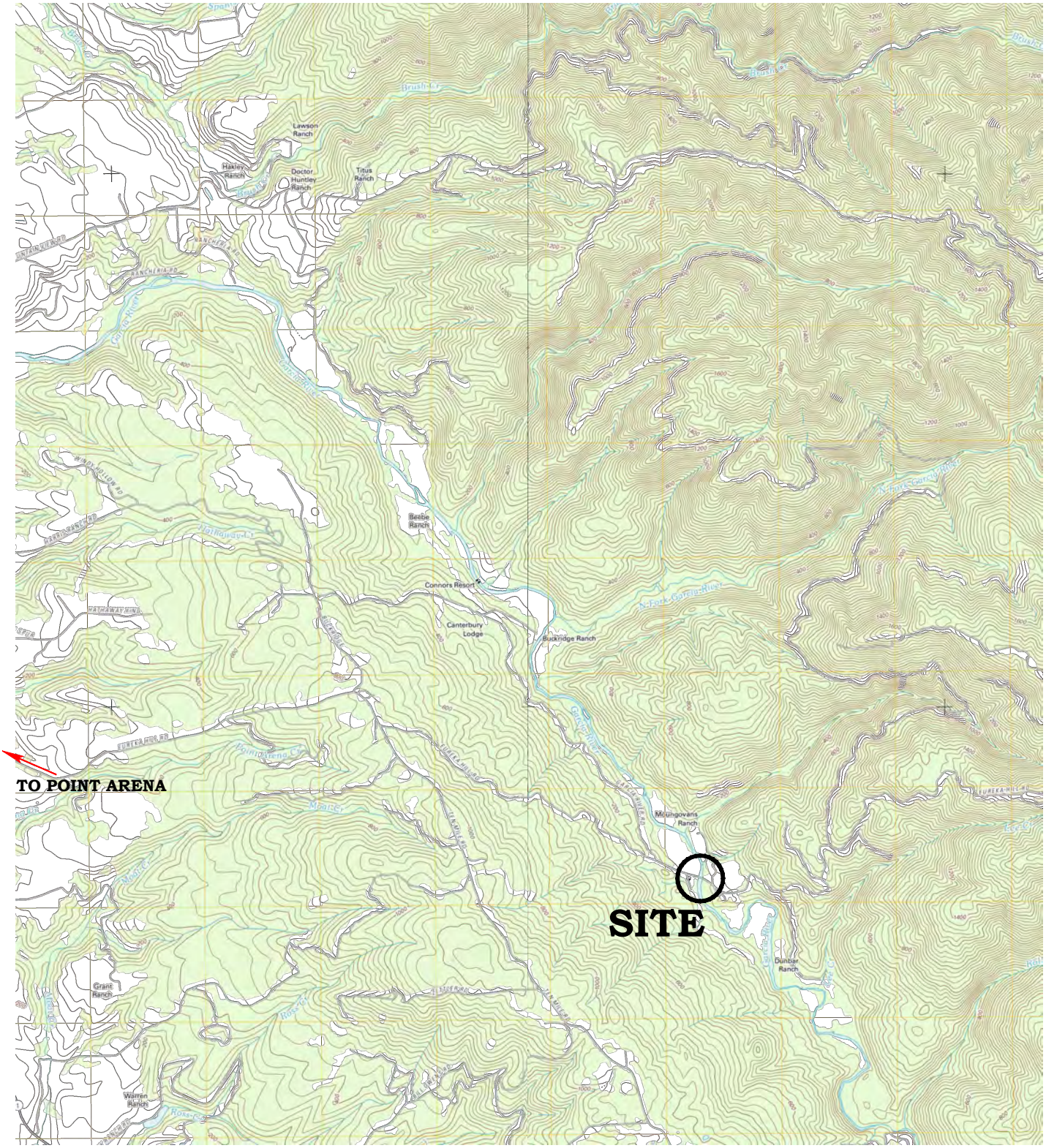
The accompanying report summarizes the findings and opinions of Blackburn Consulting (BCI), with regard to the potential for hazardous materials to be present at the project site at concentrations likely to warrant mitigation under current statutes and guidelines. Our findings and opinions are based on information obtained on given dates or provided by specified individuals, through records review, site review, and related activities. Conditions can change after we have made our observations. We cannot warrant or guarantee that hazardous materials do not exist at the described site.

This report was prepared for the specific use of our client and applies only to the subject area. We are not responsible for interpretations by others of data presented in this report. This report does not represent a legal opinion. No warranty is expressed or implied. We base our conclusions in this report on judgment and experience. We performed this work in accordance with generally accepted standards of practice existing in northern California at the time of the assessment.

The governmental records portion of this report is derived from public records and is updated on a continual basis. For this reason, we do not advise you to use this information to base a decision after one (1) year of the issue date of this report. Also, conditions at the site can and will change over time. Please contact BCI to revise this report to reflect new information.

FIGURES

Figure 1 – Vicinity Map
Figure 2 – Site Plan



SOURCE: USGS 7.5 Minute Quadrangle, topographic.
Point Arena and Eureka Hill, 1:24000 dated 2012.

SCALE 1:48,000

blackburn consulting

11521 Blocker Drive, Suite 110
Auburn, CA 95603
Phone: (530) 887-1494
Fax: (530) 887-1495
www.blackburnconsulting.com

VICINITY MAP

Eureka Hill Road Bridge at Garcia River
Mendocino County, California

File No. 1615.3

May 2014

Figure 1

5/23/2014 1615.3 Fig1 Eureka Hill Rd._Garcia River Bridge.dwg

Garcia River

SCALE: 1" = 60'

Source: Plan provided by Mark Thomas & Company, 2013.

blackburn consulting

11521 Blocker Drive, Ste 110
Auburn, CA 95603
Phone: (530) 887-1494
Fax: (530) 887-1495
www.blackburnconsulting.com

SITE PLAN

Eureka Hill Road Bridge at Garcia River
Mendocino County, California

File No. 1615.3

May 2014

Figure 2

4/26/2012 1615.3 Fig2 Eureka Hill Rd._Garcia River Bridge.dwg

APPENDIX A

Aerial Photographs

Eureka Hill Road Bridge
Eureka Hill Road
Point Arena, CA 95468

Inquiry Number: 3945974.7
May 20, 2014

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

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.

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with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography May 20, 2014

Target Property:

Eureka Hill Road

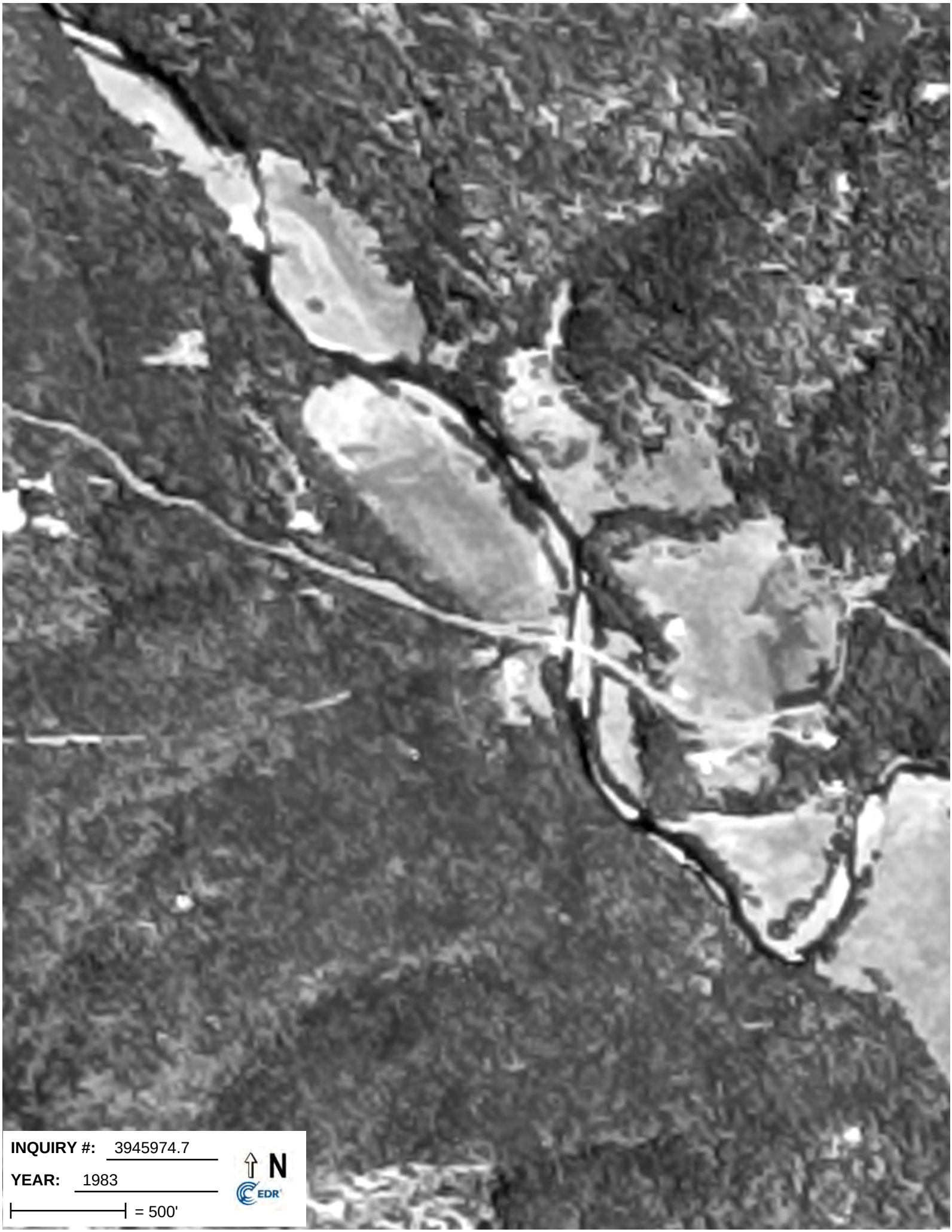
Point Arena, CA 95468

Year	***Scale***	***Details***	***Source***
1957	Aerial Photograph. Scale: 1"=500'	Flight Year: 1957	USGS
1964	Aerial Photograph. Scale: 1"=500'	Flight Year: 1964	Cartwright
1977	Aerial Photograph. Scale: 1"=500'	Flight Year: 1977	NASA
1983	Aerial Photograph. Scale: 1"=500'	Flight Year: 1983	USGS
1987	Aerial Photograph. Scale: 1"=500'	Flight Year: 1987	USGS
1998	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1998	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR


INQUIRY #: 3945974.7
YEAR: 1957
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 1964
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 1977
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 1983
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 1987
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 1998
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 2010
= 500'
N
EDR


INQUIRY #: 3945974.7
YEAR: 2012
= 500'
N
EDR

APPENDIX B

Topographic Maps

Eureka Hill Road Bridge
Eureka Hill Road
Point Arena, CA 95468

Inquiry Number: 3945974.6
May 16, 2014

EDR Historical Topographic Map Report

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

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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with any questions or comments.

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Historical Topographic Map



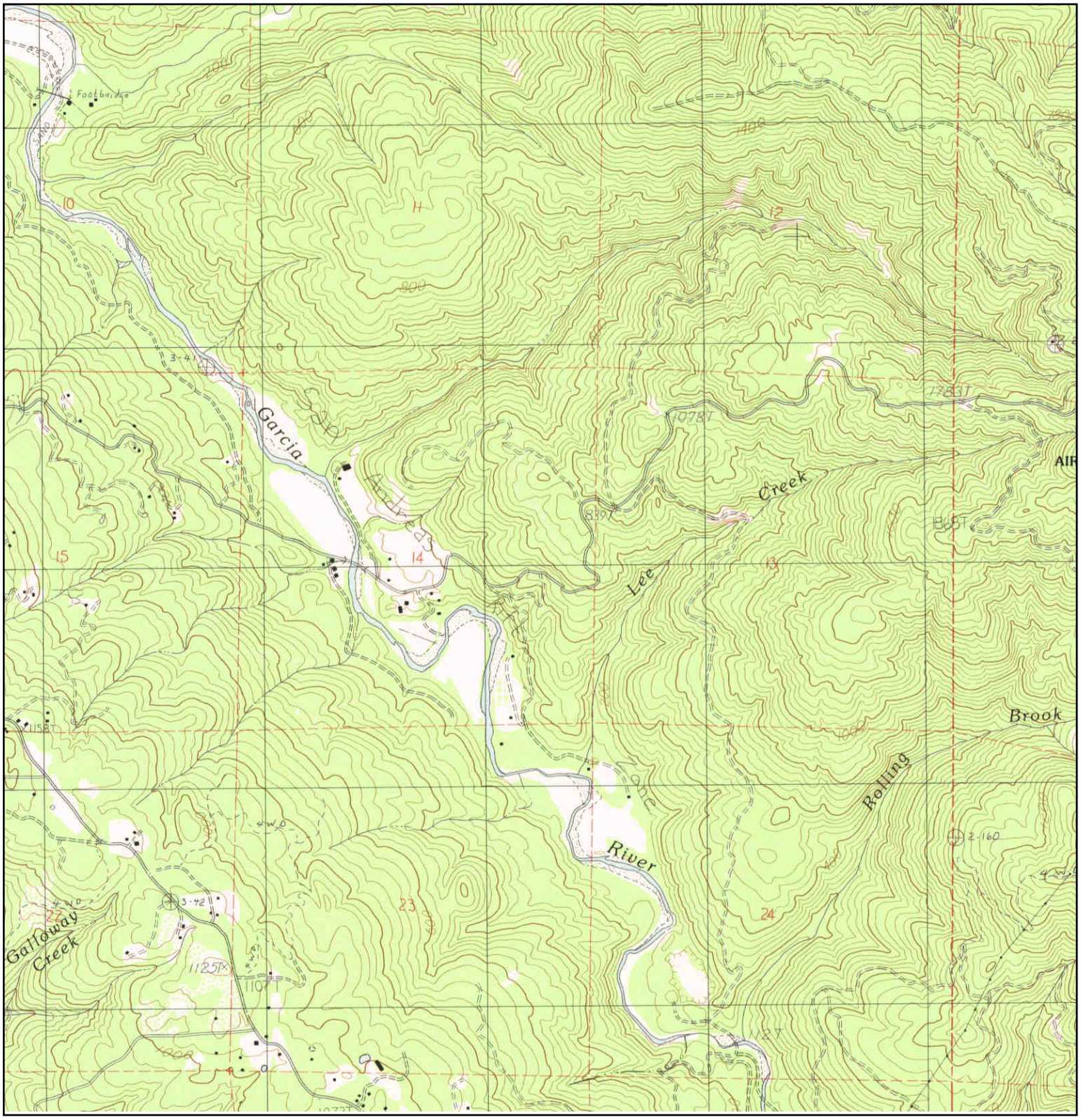
N	TARGET QUAD NAME: POINT ARENA MAP YEAR: 1947 SERIES: 15 SCALE: 1:50000	SITE NAME: Eureka Hill Road Bridge ADDRESS: Eureka Hill Road Point Arena, CA 95468 LAT/LONG: 38.9033 / -123.6077	CLIENT: Blackburn Consulting CONTACT: David Buck INQUIRY#: 3945974.6 RESEARCH DATE: 05/16/2014

Historical Topographic Map



N	TARGET QUAD NAME: POINT ARENA MAP YEAR: 1960 SERIES: 15 SCALE: 1:62500	SITE NAME: Eureka Hill Road Bridge ADDRESS: Eureka Hill Road Point Arena, CA 95468 LAT/LONG: 38.9033 / -123.6077	CLIENT: Blackburn Consulting CONTACT: David Buck INQUIRY#: 3945974.6 RESEARCH DATE: 05/16/2014

Historical Topographic Map



N	TARGET QUAD				
	NAME:	EUREKA HILL	SITE NAME:	Eureka Hill Road Bridge	CLIENT: Blackburn Consulting
	MAP YEAR:	1991	ADDRESS:	Eureka Hill Road	CONTACT: David Buck
	PROVISIONAL			Point Arena, CA 95468	INQUIRY#: 3945974.6
	SERIES:	7.5	LAT/LONG:	38.9033 / -123.6077	RESEARCH DATE: 05/16/2014
	SCALE:	1:24000			

APPENDIX C

EDR Report

Eureka Hill Road Bridge
Eureka Hill Road
Point Arena, CA 95468

Inquiry Number: 3945974.3s
May 16, 2014

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

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

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Thank you for your business.
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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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

EUREKA HILL ROAD
POINT ARENA, CA 95468

COORDINATES

Latitude (North):	38.9033000 - 38° 54' 11.88''
Longitude (West):	123.6077000 - 123° 36' 27.72''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	447305.1
UTM Y (Meters):	4306013.5
Elevation:	105 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	38123-H5 EUREKA HILL, CA
Most Recent Revision:	1991
West Map:	38123-H6 POINT ARENA, CA
Most Recent Revision:	1978

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

EXECUTIVE SUMMARY

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

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---------- State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR ---------- EnviroStor Database

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

SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

SLIC ---------- Statewide SLIC Cases

INDIAN LUST - Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

VCP - Voluntary Cleanup Program Properties
INDIAN VCP - Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS - A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL - Clandestine Drug Labs
HIST Cal-Sites - Historical Calsites Database
SCH - School Property Evaluation Program
Toxic Pits - Toxic Pits Cleanup Act Sites
CDL - Clandestine Drug Labs
US HIST CDL - National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST - Facility Inventory Database
HIST UST - Hazardous Substance Storage Container Database
SWEEPS UST - SWEEPS UST Listing

Local Land Records

LIENS 2 - CERCLA Lien Information
LIENS - Environmental Liens Listing
DEED - Deed Restriction Listing

Records of Emergency Release Reports

HMIRS - Hazardous Materials Information Reporting System
CHMIRS - California Hazardous Material Incident Report System

LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators
DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
CA BOND EXP. PLAN	Bond Expenditure Plan
UIC	UIC Listing
NPDES	NPDES Permits Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE	Hazardous Waste & Substance Site List
CUPA Listings	CUPA Resources List
Notify 65	Proposition 65 Records
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
ENF	Enforcement Action Listing
HAZNET	Facility and Manifest Data
EMI	Emissions Inventory Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
2020 COR ACTION	2020 Corrective Action Program List
LEAD SMELTERS	Lead Smelter Sites
PRP	Potentially Responsible Parties
US AIRS	Aerometric Information Retrieval System Facility Subsystem
WDS	Waste Discharge System
US FIN ASSUR	Financial Assurance Information
Financial Assurance	Financial Assurance Information Listing
PCB TRANSFORMER	PCB Transformer Registration Database
PROC	Certified Processors Database
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
MWMP	Medical Waste Management Program Listing
COAL ASH DOE	Steam-Electric Plant Operation Data
HWT	Registered Hazardous Waste Transporter Database
HWP	EnviroStor Permitted Facilities Listing

EXECUTIVE SUMMARY

EPA WATCH LIST---------- EPA WATCH LIST

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP---------- EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat------- EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners------- EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 05/01/2014 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

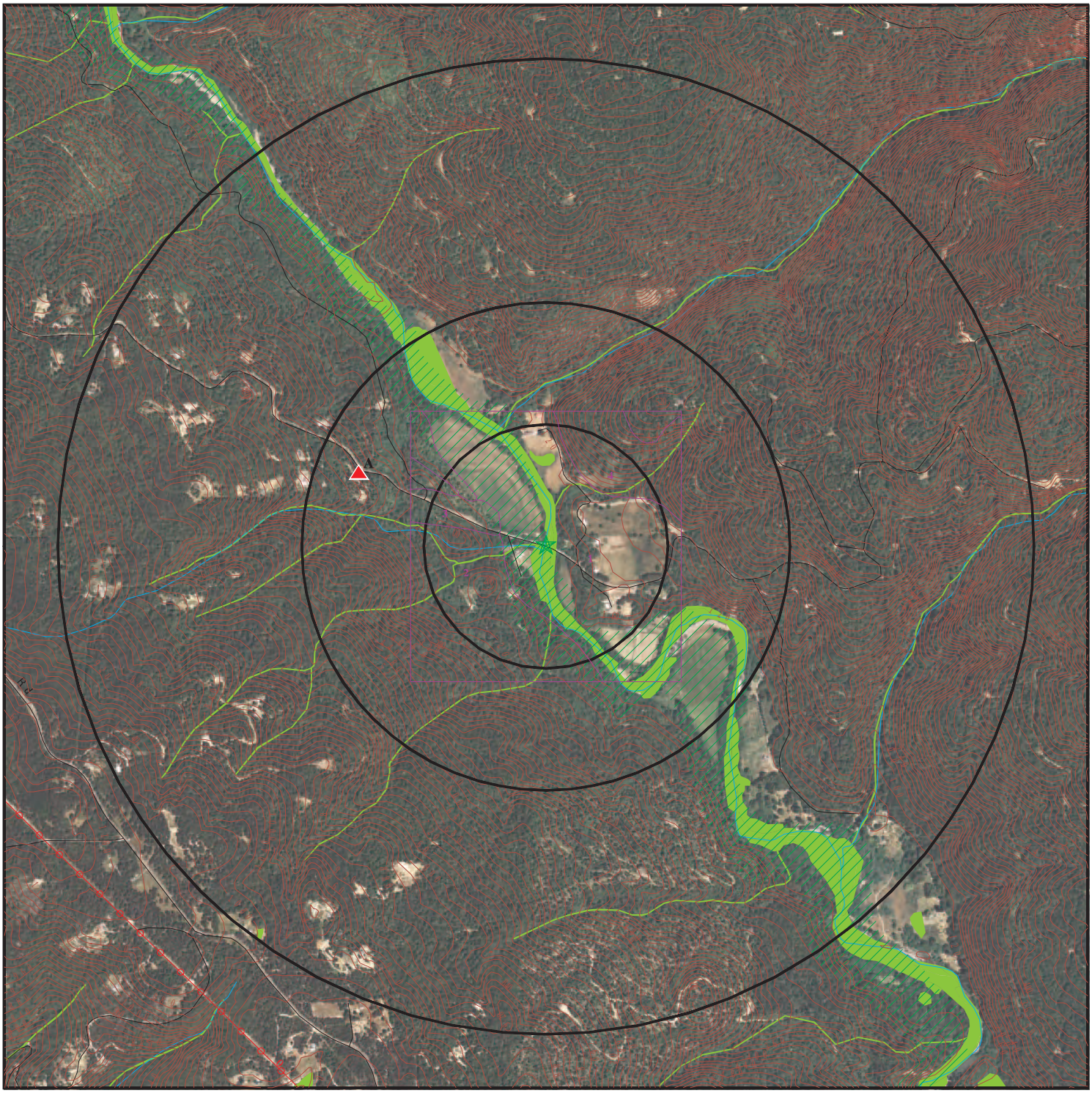
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USCG POINT ARENA LIGHTHOUSE Status: Completed - Case Closed	LIGHTHOUSE ROAD	WNW 1/4 - 1/2 (0.412 mi.)	A1	8
PG&E POINT ARENA Status: Completed - Case Closed	WINDY HOLLOW ROAD	WNW 1/4 - 1/2 (0.412 mi.)	A2	9

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
SANHEDRIN ROAD WILDERNESS ROAD DEC	ENF
WINDY HOLLOW ROAD - HOLM INDUSTRIE	Cortese, ENF
POINT ARENA VETS MEMORIAL BLDG	SWEEPS UST
OLD MILL SITE	CERC-NFRAP
OLD STAGE ROAD BURN DUMP	US BROWNFIELDS

OVERVIEW MAP - 3945974.3s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

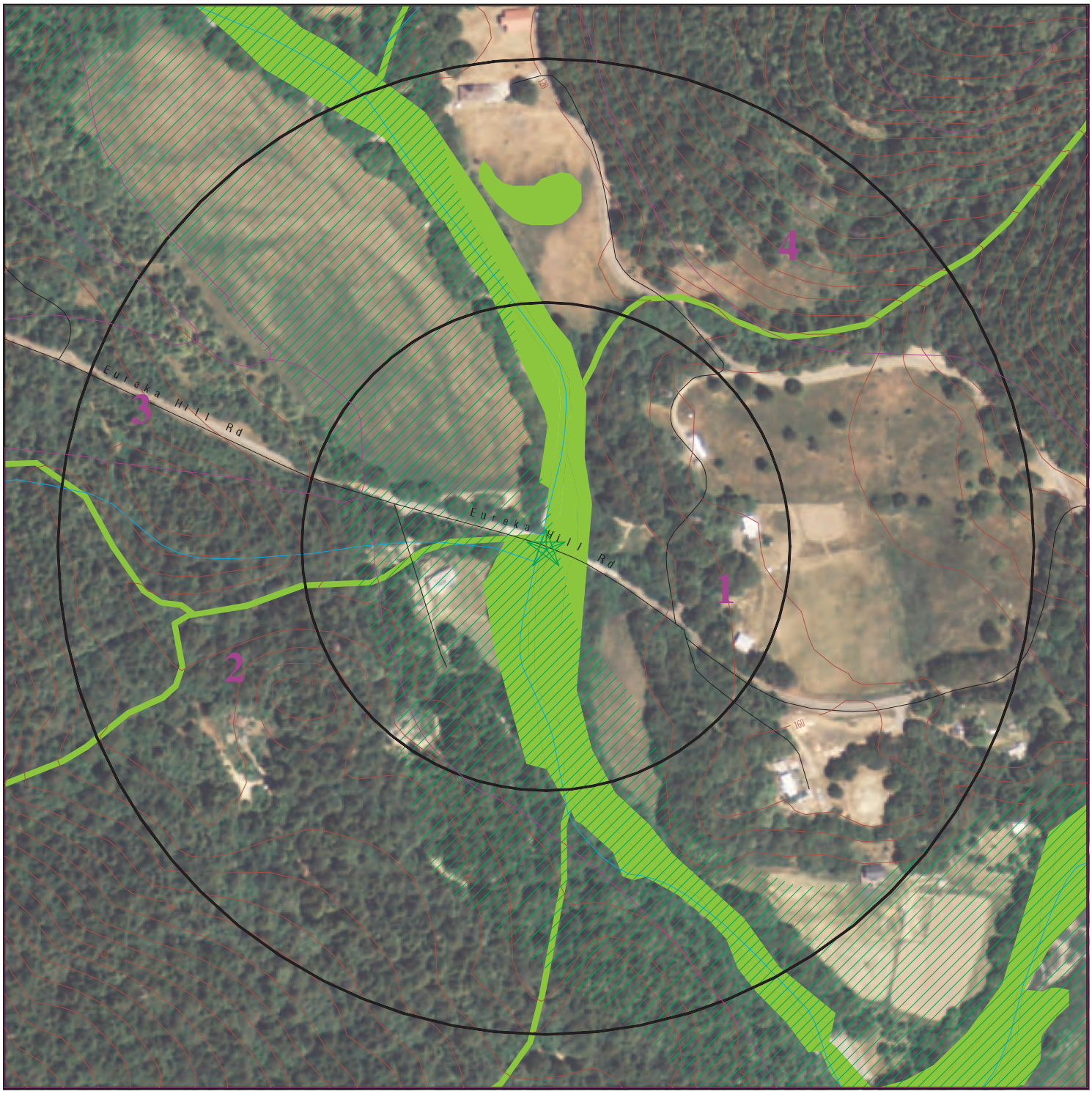
N

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

SITE NAME:	Eureka Hill Road Bridge	CLIENT:	Blackburn Consulting
ADDRESS:	Eureka Hill Road Point Arena CA 95468	CONTACT:	David Buck
		INQUIRY #:	3945974.3s
LAT/LONG:	38.9033 / 123.6077	DATE:	May 16, 2014 4:03 pm

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DETAIL MAP - 3945974.3s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

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

SITE NAME:	Eureka Hill Road Bridge	CLIENT:	Blackburn Consulting
ADDRESS:	Eureka Hill Road Point Arena CA 95468	CONTACT:	David Buck
		INQUIRY #:	3945974.3s
LAT/LONG:	38.9033 / 123.6077	DATE:	May 16, 2014 4:08 pm

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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	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	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		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	2	NR	NR	2

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
SLIC	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA 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
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
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
Local Lists of Hazardous waste / Contaminated Sites								
US 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
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
SWEEPS UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

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
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		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
HWT	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
HWP	1.000		0	0	0	0	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
WNW
1/4-1/2
0.412 mi.
2178 ft.

USCG POINT ARENA LIGHTHOUSE — **LUST** — **S110654617**
LIGHTHOUSE ROAD — **N/A**
POINT ARENA, CA 95468

Site 1 of 2 in cluster A

Relative:
Higher

Actual:
250 ft.

LUST:

Region:	STATE
Global Id:	T0604500125
Latitude:	38.9055128
Longitude:	-123.614815
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/31/1992
Lead Agency:	NORTH COAST RWQCB (REGION 1)
Case Worker:	ZZZ
Local Agency:	MENDOCINO COUNTY
RB Case Number:	1TMC143
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0604500125
Contact Type:	Regional Board Caseworker
Contact Name:	REGIONAL WATER BOARD SITE CLOSED
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	craig.hunt@waterboards.ca.gov
Phone Number:	7075762220

Global Id:	T0604500125
Contact Type:	Local Agency Caseworker
Contact Name:	WAYNE BRILEY
Organization Name:	MENDOCINO COUNTY
Address:	501 LOW GAP ROAD, ROOM 1326
City:	UKIAH
Email:	Not reported
Phone Number:	Not reported

Status History:

Global Id:	T0604500125
Status:	Open - Remediation
Status Date:	07/30/1992

Global Id:	T0604500125
Status:	Completed - Case Closed
Status Date:	07/31/1992

Global Id:	T0604500125
Status:	Open - Site Assessment
Status Date:	11/30/1990

Global Id:	T0604500125

USCG POINT ARENA LIGHTHOUSE (Continued) **S110654617**

Status: Open - Site Assessment
Status Date: 07/15/1991

Global Id: T0604500125
Status: Open - Site Assessment
Status Date: 08/15/1991

Global Id: T0604500125
Status: Open - Verification Monitoring
Status Date: 07/30/1992

Global Id: T0604500125
Status: Open - Site Assessment
Status Date: 07/30/1992

Global Id: T0604500125
Status: Open - Case Begin Date
Status Date: 10/09/1990

Regulatory Activities:
Global Id: T0604500125
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0604500125
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0604500125
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0604500125
Action Type: ENFORCEMENT
Date: 11/30/1990
Action: * Historical Enforcement

A2 **PG&E POINT ARENA** **LUST** **S110654627**
WNW **WINDY HOLLOW ROAD** **N/A**
1/4-1/2 **POINT ARENA, CA 95468**
0.412 mi.
2178 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
250 ft.

LUST:
Region: STATE
Global Id: T0604500277
Latitude: 38.9055128
Longitude: -123.614815
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/08/2001
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Worker: ZZZ

PG&E POINT ARENA (Continued) **S110654627**

Local Agency: MENDOCINO COUNTY
RB Case Number: 1TMC341
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0604500277
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

Global Id: T0604500277
Contact Type: Local Agency Caseworker
Contact Name: WAYNE BRILEY
Organization Name: MENDOCINO COUNTY
Address: 501 LOW GAP ROAD, ROOM 1326
City: UKIAH
Email: Not reported
Phone Number: Not reported

Status History:
Global Id: T0604500277
Status: Open - Site Assessment
Status Date: 01/07/2001

Global Id: T0604500277
Status: Open - Verification Monitoring
Status Date: 01/07/2001

Global Id: T0604500277
Status: Open - Case Begin Date
Status Date: 01/02/1997

Global Id: T0604500277
Status: Open - Remediation
Status Date: 01/07/2001

Global Id: T0604500277
Status: Completed - Case Closed
Status Date: 01/08/2001

Global Id: T0604500277
Status: Open - Site Assessment
Status Date: 01/07/1997

Global Id: T0604500277
Status: Open - Site Assessment
Status Date: 04/23/1998

PG&E POINT ARENA (Continued) **S110654627**

Global Id: T0604500277
Status: Open - Site Assessment
Status Date: 08/03/1998

Regulatory Activities:
Global Id: T0604500277
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0604500277
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0604500277
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GUALALA	1003879428	OLD MILL SITE	SW CORNER OF MENDUCINO COUNTY	95445	CERC-NFRAP
GUALALA	1014949271	OLD STAGE ROAD BURN DUMP	OLD STAGE ROAD	95445	US BROWNFIELDS
MENDOCINO COUNTY	S112265316	SANHEDRIN ROAD WILDERNESS ROAD DEC	SANHEDRIN ROAD		ENF
POINT ARENA	S106930793	POINT ARENA VETS MEMORIAL BLDG	S HWY 1	95468	SWEEPS UST
POINT ARENA	S111213882	WINDY HOLLOW ROAD - HOLM INDUSTRIE	WINDY HOLLOW ROAD		Cortese, ENF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2014
Next Scheduled EDR Contact: 07/21/2014
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

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
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: 05/31/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 151

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/11/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 12/17/2013
Date Data Arrived at EDR: 01/14/2014
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
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: 12/17/2013
Date Data Arrived at EDR: 01/14/2014
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/26/2014
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/04/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 03/12/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/10/2014
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/06/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 03/12/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/10/2014
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/06/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/14/2014
Date Data Arrived at EDR: 02/18/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 28

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/18/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST 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: Quarterly

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

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 12

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/01/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases
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: 05/01/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 12

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/01/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

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: Semi-Annually

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: Varies

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: Semi-Annually

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: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

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: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/20/2014
Date Data Arrived at EDR: 02/21/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 62

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/21/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/13/2014
Date Data Arrived at EDR: 02/14/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 10

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/17/2014
Date Data Arrived at EDR: 03/19/2014
Date Made Active in Reports: 04/25/2014
Number of Days to Update: 37

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/19/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 04/07/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/29/2014
Date Data Arrived at EDR: 01/29/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 42

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 02/20/2014
Date Data Arrived at EDR: 02/21/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 62

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
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: 07/29/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 92

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/13/2014
Date Data Arrived at EDR: 02/14/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 10

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 07/30/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 129

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/15/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/17/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/01/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

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: 03/12/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/10/2014
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/06/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/20/2014
Date Data Arrived at EDR: 03/20/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/20/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: No Update Planned

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: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/17/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 02/20/2014
Date Made Active in Reports: 03/27/2014
Number of Days to Update: 35
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
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: 05/02/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/04/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 65
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 03/12/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/10/2014
Number of Days to Update: 28
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/06/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Quarterly

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

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 20
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/10/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 03/03/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Annually

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

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

Local Land Records

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: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 01/17/2014
Date Data Arrived at EDR: 01/21/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/10/2014
Date Data Arrived at EDR: 03/11/2014
Date Made Active in Reports: 04/10/2014
Number of Days to Update: 30

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/03/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 52

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/01/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

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: 02/04/2014
Date Data Arrived at EDR: 04/29/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 10

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/29/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 12

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/01/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 12

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/01/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/06/2014
Next Scheduled EDR Contact: 08/18/2014
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: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

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: 12/31/2012
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

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: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Annually

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: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/05/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Semi-Annually

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: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/26/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Annually

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: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/28/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Every 4 Years

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: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/29/2014
Next Scheduled EDR Contact: 08/11/2014
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: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 07/21/2014
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: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Quarterly

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: 01/09/2014
Date Data Arrived at EDR: 01/10/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/09/2014
Next Scheduled EDR Contact: 07/21/2014
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: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/14/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Quarterly

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

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: 11/01/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
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: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Biennially

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

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/17/2014
Date Data Arrived at EDR: 02/18/2014
Date Made Active in Reports: 03/27/2014
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/18/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/15/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/18/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Varies

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

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/02/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 27
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 04/01/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/07/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: No Update Planned

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: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/16/2013
Number of Days to Update: 35
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Annually

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: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 19

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 41

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/25/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Varies

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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

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: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
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: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

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: 02/21/2014
Date Data Arrived at EDR: 03/12/2014
Date Made Active in Reports: 04/14/2014
Number of Days to Update: 33

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/14/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/15/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
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: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
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: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/04/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/04/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

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: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: N/A

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

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: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

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: 02/14/2014
Date Data Arrived at EDR: 02/18/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 28

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/28/2014
Date Data Arrived at EDR: 01/30/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
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: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/17/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas 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 US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

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: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 15

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/12/2014
Number of Days to Update: 18

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa Facility List

Date of Government Version: 03/24/2014
Date Data Arrived at EDR: 03/24/2014
Date Made Active in Reports: 04/30/2014
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/10/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 04/03/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 26

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 12/05/2013
Date Data Arrived at EDR: 12/05/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 53

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/06/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 7

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/20/2014
Date Data Arrived at EDR: 02/21/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 27

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
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: 03/31/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 16

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/14/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/20/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 38

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 04/28/2014
Date Data Arrived at EDR: 04/30/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 13

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
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: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 21

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 19

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

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: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/06/2013
Date Data Arrived at EDR: 01/28/2014
Date Made Active in Reports: 03/17/2014
Number of Days to Update: 48
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/02/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/20/2014
Date Data Arrived at EDR: 01/21/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 21
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/17/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/25/2014
Number of Days to Update: 28
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/10/2014
Date Data Arrived at EDR: 02/12/2014
Date Made Active in Reports: 03/17/2014
Number of Days to Update: 33
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 04/14/2014
Number of Days to Update: 46
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 32
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/14/2014
Next Scheduled EDR Contact: 07/28/2014
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: 03/26/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 33

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/03/2014
Date Data Arrived at EDR: 01/09/2014
Date Made Active in Reports: 02/12/2014
Number of Days to Update: 34

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 04/07/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/10/2014
Date Data Arrived at EDR: 03/11/2014
Date Made Active in Reports: 04/10/2014
Number of Days to Update: 30

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/04/2014
Date Made Active in Reports: 04/01/2014
Number of Days to Update: 28

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 03/03/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/18/2014
Date Data Arrived at EDR: 03/20/2014
Date Made Active in Reports: 04/25/2014
Number of Days to Update: 36

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
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: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/03/2014
Next Scheduled EDR Contact: 06/06/2014
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: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/03/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 27
Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/13/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2014
Date Data Arrived at EDR: 02/12/2014
Date Made Active in Reports: 03/17/2014
Number of Days to Update: 33
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/28/2014
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/03/2014
Date Data Arrived at EDR: 02/13/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 33
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2014
Date Data Arrived at EDR: 02/12/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 34
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2014
Date Data Arrived at EDR: 03/11/2014
Date Made Active in Reports: 04/10/2014
Number of Days to Update: 30
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/15/2014
Date Data Arrived at EDR: 04/17/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 7
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/02/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/15/2014
Date Data Arrived at EDR: 04/17/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 22
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 07/07/2014
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: 02/06/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 21
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2014
Next Scheduled EDR Contact: 07/21/2014
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: 02/06/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 21
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

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: 03/18/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 04/25/2014
Number of Days to Update: 35

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
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: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 42

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
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: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
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: 05/09/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/09/2014
Next Scheduled EDR Contact: 08/25/2014
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: 04/10/2014
Date Data Arrived at EDR: 04/11/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 18
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 04/07/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/26/2014
Date Made Active in Reports: 03/26/2014
Number of Days to Update: 28
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
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: 04/03/2014
Date Data Arrived at EDR: 04/04/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 27
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/17/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
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: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 03/04/2014
Date Data Arrived at EDR: 03/06/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 03/03/2014
Next Scheduled EDR Contact: 06/16/2014
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: 03/03/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/07/2014
Date Data Arrived at EDR: 02/11/2014
Date Made Active in Reports: 03/17/2014
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 23

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 03/17/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
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: 04/25/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 27

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/25/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 34

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/02/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 40

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
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: 04/01/2014
Date Data Arrived at EDR: 04/03/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 25

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/24/2014
Date Data Arrived at EDR: 03/24/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/27/2014
Date Data Arrived at EDR: 01/28/2014
Date Made Active in Reports: 03/17/2014
Number of Days to Update: 48

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
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: 01/28/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 23

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/18/2014
Next Scheduled EDR Contact: 06/02/2014
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: 04/04/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Annually

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: 02/17/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/06/2014
Date Data Arrived at EDR: 03/24/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 35

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
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: 03/06/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 38

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 27

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/11/2014
Date Data Arrived at EDR: 02/13/2014
Date Made Active in Reports: 03/17/2014
Number of Days to Update: 32

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/21/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/28/2014
Date Data Arrived at EDR: 03/12/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

EUREKA HILL ROAD BRIDGE
EUREKA HILL ROAD
POINT ARENA, CA 95468

TARGET PROPERTY COORDINATES

Latitude (North):	38.9033 - 38° 54' 11.88''
Longitude (West):	123.6077 - 123° 36' 27.72''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	447305.1
UTM Y (Meters):	4306013.5
Elevation:	105 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	38123-H5 EUREKA HILL, CA
Most Recent Revision:	1991
West Map:	38123-H6 POINT ARENA, CA
Most Recent Revision:	1978

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

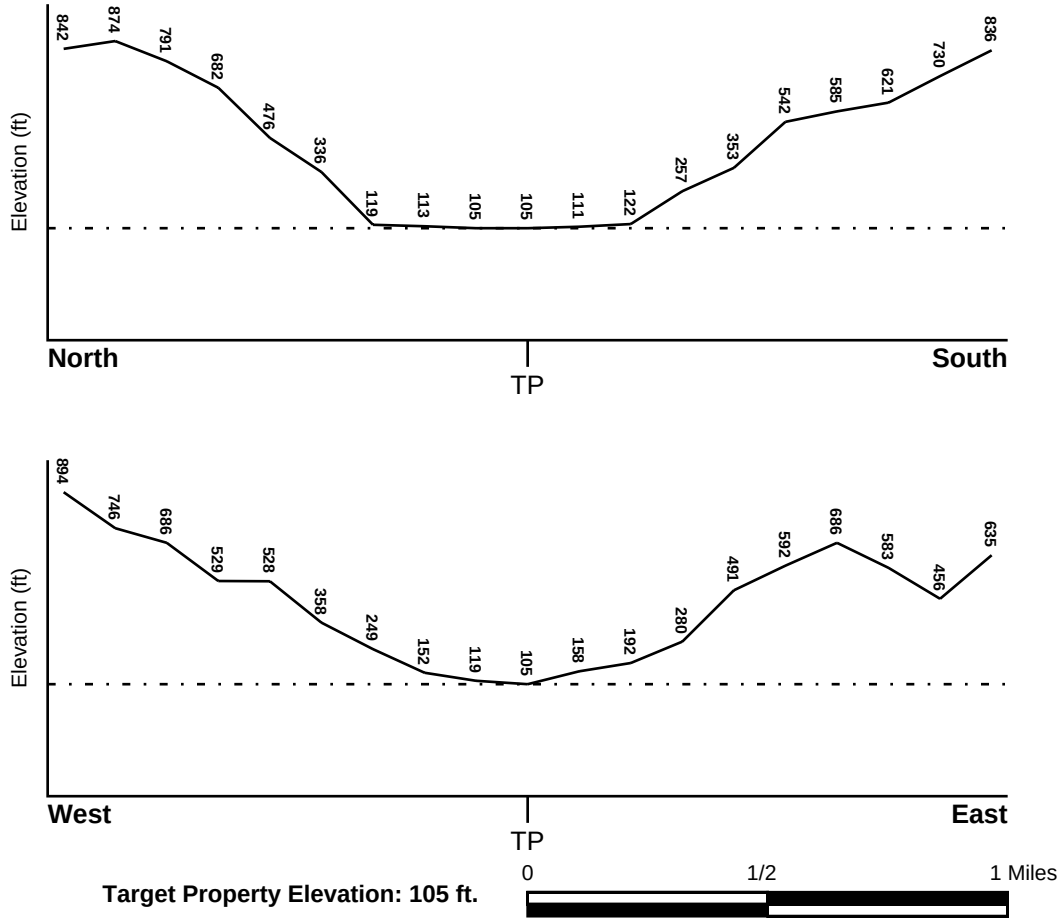
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
MENDOCINO, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0601830975B - FEMA Q3 Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
POINT ARENA NE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

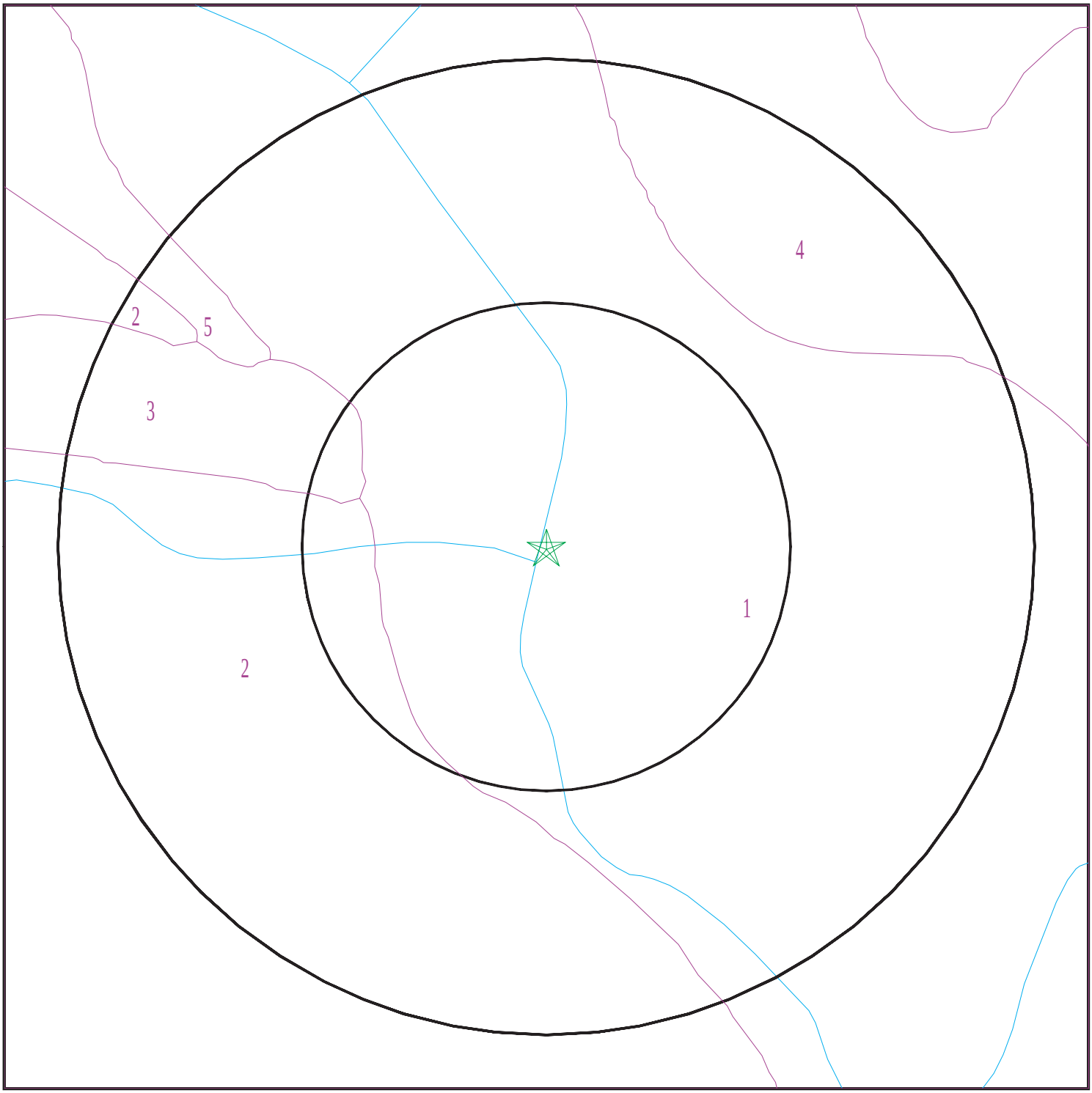
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous
Code:	Ke *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3945974.3s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Eureka Hill Road Bridge	CLIENT:	Blackburn Consulting
ADDRESS:	Eureka Hill Road Point Arena CA 95468	CONTACT:	David Buck
		INQUIRY #:	3945974.3s
LAT/LONG:	38.9033 / 123.6077	DATE:	May 16, 2014 4:08 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Bigriver

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 6.5 Min: 5.6
2	5 inches	62 inches	stratified loamy sand to silt loam	Not reported	Not reported	Max: 42.34 Min: 14.11	Max: 6.5 Min: 5.6

Soil Map ID: 2

Soil Component Name: Irmulco

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.6
2	5 inches	40 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
3	40 inches	61 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
4	61 inches	70 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 3

Soil Component Name: Irmulco

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.6
2	5 inches	61 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
3	61 inches	64 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: Dehaven

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 89 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 6.5 Min: 5.6
2	16 inches	33 inches	very gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.6
3	33 inches	51 inches	extremely gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.6
4	51 inches	55 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 5

Soil Component Name: Irmulco

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.6
2	5 inches	40 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
3	40 inches	61 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
4	61 inches	70 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No PWS System Found

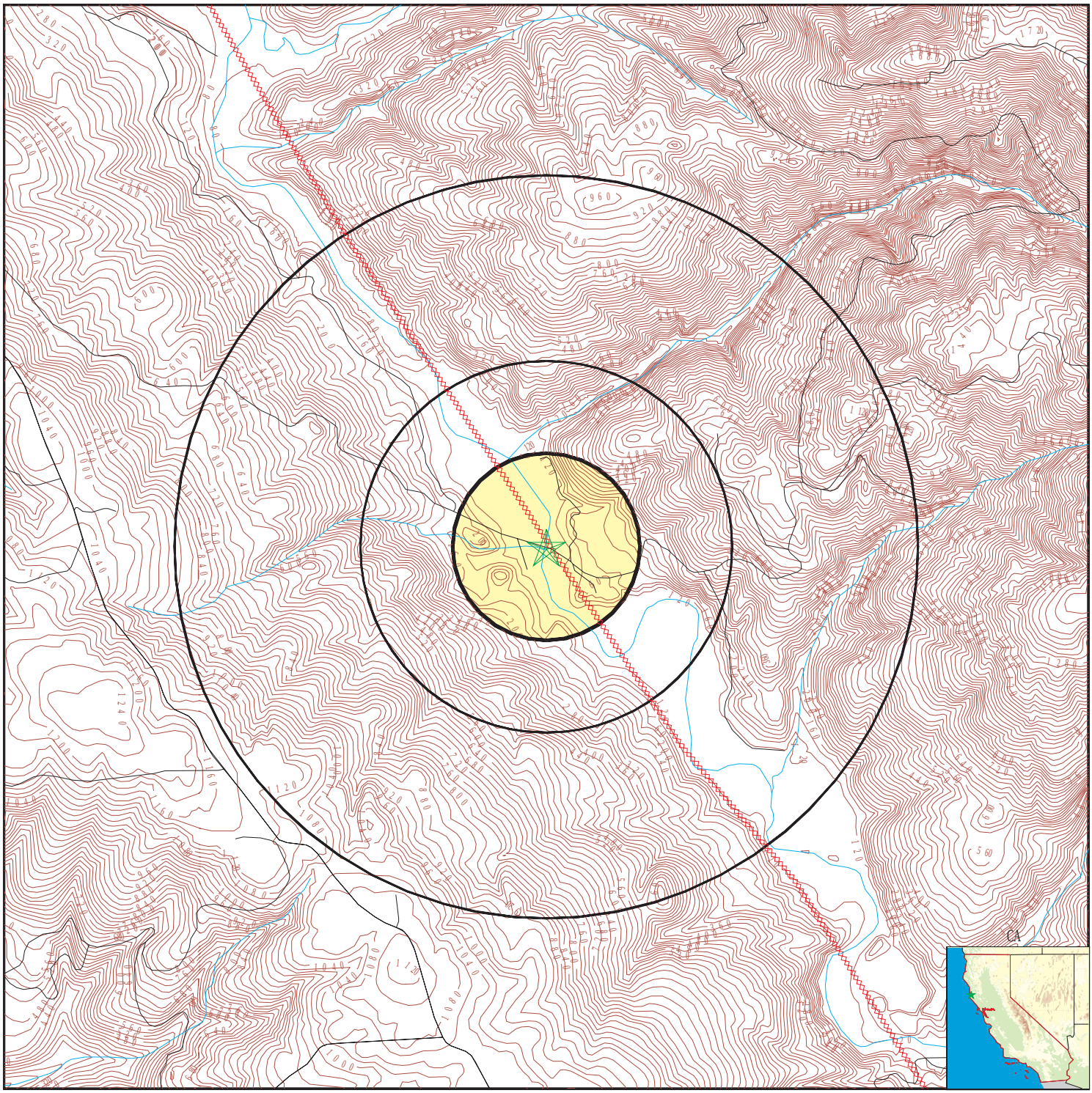
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 3945974.3s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Eureka Hill Road Bridge	CLIENT:	Blackburn Consulting
ADDRESS:	Eureka Hill Road Point Arena CA 95468	CONTACT:	David Buck
		INQUIRY #:	3945974.3s
LAT/LONG:	38.9033 / 123.6077	DATE:	May 16, 2014 4:08 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95468	2	0

Federal EPA Radon Zone for MENDOCINO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for MENDOCINO COUNTY, CA

Number of sites tested: 15

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.413 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.200 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D

Site Photographs



Eureka Hill Road Bridge looking west



Eureka Hill Road Bridge looking east



Bridge Structure

APPENDIX C

ADDITIONAL DOCUMENTATION

NOTICE OF INTENT
TO ADOPT MITIGATED NEGATIVE DECLARATION

In compliance with Section 15072 of the California Environmental Quality Act Guidelines, notification is hereby given to responsible agencies, trustee agencies, interest groups and the general public that the Mendocino County Department of Transportation proposes to adopt a Mitigated Negative Declaration for the Eureka Hill Road – Garcia River Bridge Seismic Retrofit Project.

The Mitigated Negative Declaration (MND) and supporting attachments are available for review by the general public at the offices of the Mendocino County Department of Transportation, 340 Lake Mendocino Drive, Ukiah, CA 95482 and on the web at: http://www.co.mendocino.ca.us/dot/environmental.htm

The proposed MND will undergo a 30-day public review period during which time comments will be received, starting **June 13, 2014** and ending **July 14, 2014**. Comments responding to the adequacy and appropriateness of the MND should be sent to:

Mendocino County
Department of Transportation
340 Lake Mendocino Drive
Ukiah, CA 95482

Attn: Jackson Ford, Mendocino County – Environmental Compliance Specialist

Commentors wishing to *appeal* the decision to prepare an MND must specifically state this intention in their letter.

Project Location: The proposed project is in Mendocino County, California, on Eureka Hill Road (CR 505) at the crossing of the Garcia River at Mile Marker 4.92. The City of Point Arena is approximately 5.0 miles west of the proposed project area. Surrounding land uses are Rangeland 160 and Timber Preserve.

Project Description: The proposed project includes seismic retrofits of the Eureka Hill Road Bridge (No. 10C-0034) over the Garcia River in Mendocino County. The proposed improvements would strengthen the structural components to resist seismic loads on the structure and loads imposed by the soil movement. Support is provided at the ends of the superstructure near the abutments. The retrofit work would involve the following activities within or adjacent to the Garcia River: 1) constructing a temporary clear water crossing (temporary work pad) beneath the bridge with temporary culverts to maintain flow and fish passage through the site as well as providing construction access to piers; 2) excavating, driving piles, and constructing top mats to reinforce the bent foundations around piers 2, 3, and 4; and 3) revegetating temporarily disturbed riparian areas. Retrofitting of the bridge abutments (i.e., excavating, constructing two 72-inch Cast-In-Drilled-Hole (CIDH) piles at each bridge abutment, and constructing concrete girders between the CIDH pile groups and bumpers to the superstructure soffit would occur outside of the channel.

In order to complete the needed seismic retrofit work, it is likely that the Eureka Hill Road Bridge would be limited to one lane traffic control through the project site for some construction activities, including drilling CIDH piles. Limited east-west connections exist between State Routes 1 and 128, and closing Eureka Hill Road and detouring traffic would result in a 125-mile detour around the project site. Two areas (one on each side of the Garcia River) north of the bridge are available for potential construction staging areas. All in-channel work would occur between June 15 and October 15.

Project/CEQA Contact: Jackson Ford, (707) 463-4622

Independent Coast Observer

P.O. Box 1200
Gualala, CA 95445

(707) 884-3501
(707) 884-1710 fax
www.mendonoma.com

Proof of Publication of

NOTICE OF BOARD HEARING AND AVAILABILITY OF DRAFT MITIGATED NEGATIVE DECLARATION

I, the undersigned say:
That I am over the age of eighteen and am not a party to or interested in the above entitled matter of proceeding; and am, and at all times embraced in the publication herein mentioned, was the principal clerk of the editor and publisher of the INDEPENDENT COAST OBSERVER, a weekly newspaper printed, published and circulated in the County of Mendocino, and adjudged a newspaper of general circulation by the Superior Court of California, Proceeding #15294, that the above NOTICE OF BOARD HEARING AND AVAILABILITY OF
DRAFT MITIGATED NEGATIVE DECLARATION FOR PUBLIC REVIEW of which is annexed a true printed copy, was printed in type not smaller than nonpareil and published in said newspaper on the following date(s), to wit: June 20, 2014.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.
Executed and dated at Gualala, California, this June 17, 2014

Signature _____

(ICO Ad number 6873)

Public Notice

NOTICE OF BOARD HEARING AND AVAILABILITY OF DRAFT MITIGATED NEGATIVE DECLARATION FOR PUBLIC REVIEW

NOTICE IS HEREBY GIVEN THAT the Mendocino County Board of Supervisors at its regular meeting on Tuesday, August 12, 2014, at 9:00 A.M., in the Board of Supervisors Chambers, 501 Low Gap Road, Ukiah, California, will conduct a public hearing on the following project and the Draft Mitigated Negative Declaration at the time listed or as soon thereafter as the item may be heard.

Project title: Eureka Hill Road Bridge over the Garcia River Seismic Retrofit Project, County Bridge #10C-0034

Lead agency: Mendocino County Department of Transportation (MDOT), 340 Lake Mendocino Dr., Ukiah, CA 95482

Contact person, phone number and e-mail: Jackson Ford, Environmental Compliance Specialist, (707) 463-4622, fordj@co.mendocino.ca.us

Project location: The proposed project is in Mendocino County, California, on Eureka Hill Road (CR 505) at the crossing of the Garcia River at Mile Marker 4.92. The City of Point Arena is approximately 5.0 miles west of the proposed project area. Surrounding land uses are Rangeland 160 and Timber Preserve.

Description of project: The proposed project includes seismic retrofits of the Eureka Hill Road Bridge (No. 10C-0034) over the Garcia River in Mendocino County. The proposed improvements would strengthen the structural components to resist seismic loads on the structure and loads imposed by the soil movement. Support is provided at the ends of the superstructure near the abutments. The retrofit work would involve the following activities within or adjacent to the Garcia River: 1) constructing a temporary clear water crossing (temporary work pad) beneath the bridge with temporary culverts to maintain flow and fish passage through the site as well as providing construction access to piers; 2) excavating, driving piles, and constructing top mats to reinforce the bent foundations around piers 2, 3, and 4; and 3) revegetating temporarily disturbed riparian areas. Retrofitting of the bridge abutments (i.e., excavating, constructing two 72-inch Cast-In-Drilled-Hole (CIDH) piles at each bridge abutment, and constructing concrete girders between the CIDH pile groups and bumpers to the superstructure soffit would occur outside of the channel.

In order to complete the needed seismic retrofit work, it is likely that the Eureka Hill Road Bridge would be limited to one lane traffic control through the project site for some construction activities, including drilling CIDH piles. Two areas (one on each side of the Garcia River) north of the bridge are available for potential construction staging areas. All in-channel work would occur between June 15 and October 15.

Environmental Determination: The Mendocino County Department of Transportation has prepared a Draft Mitigated Negative Declaration for the above project (there will not be a significant effect in this case because proposed mitigation measures will reduce potentially significant effects to a less than significant level). A copy of the Initial Study with mitigation measures in support of the Draft Mitigated Negative Declaration for the Bridge Replacement Project is available for public review at the Friends of the Coast Community Library (225 Main Street, Point Arena), the County Department of Transportation in Ukiah (340 Lake Mendocino Drive), and the MDOT website http://www.co.mendocino.ca.us/dot under the environmental documents tab.

Your comments regarding the above project and/or the Draft Mitigated Negative Declaration are invited. Written comments should be submitted to the Mendocino County Department of Transportation, 340 Lake Mendocino Drive, Ukiah, California 95482. All written comments **must be received prior to 4:30 P.M. July 14, 2014** to be included with the Staff Report to the Board. Oral, email and/or additional written comments may be presented to the Board of Supervisors during the public hearing.

If you challenge the above matter in Court, you may be limited to raising only those issues which you or someone else raised in the written correspondence delivered to the Department of Transportation, at or prior to the date indicated above. All persons are invited to appear and present testimony in this matter.

Additional information regarding the above noted item may be obtained by calling the Mendocino County Department of Transportation, at 463-4363, Monday through Friday, 8:00 a.m. through 4:30 p.m. Should you desire notification of the Board of Supervisors decision you may do so by requesting notification in writing and providing a self-addressed stamped envelope to the Mendocino County Department of Transportation, 340 Lake Mendocino Drive, Ukiah, California 95482

Print Form

Appendix C

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: Eureka Hill Road - Garcia River Bridge Seismic Retrofit Project

Lead Agency: Mendocino County Department of Transportation — Contact Person: Jackson Ford

Mailing Address: 340 Lake Mendocino Drive — Phone: (707) 463-4622

City: Ukiah — Zip: 95482 — County: Mendocino

Project Location: County: Mendocino — City/Nearest Community: Point Arena

Cross Streets: Eureka Hill Road, Hay Ranch Road — Zip Code: 95468

Longitude/Latitude (degrees, minutes and seconds): 38 ° 54 ′ 12.08″ N / 123 ° 36 ′ 27.22″ W — Total Acres: 18.6 acres

Assessor's Parcel No.: — Section: 14 — Twp.: 12N — Range: 16W — Base: Mt. Diablo

Within 2 Miles: State Hwy #: — Waterways: Garcia River

Airports: — Railways: — Schools:

RECEIVED
JUN 13 2014
STATE CLEARING HOUSE

Document Type:

CEQA: ☐ NOP ☐ Early Cons ☐ Neg Dec ☒ Mit Neg Dec ☐ Draft EIR ☐ Supplement/Subsequent EIR (Prior SCH No.) ☐ Other:

NEPA: ☐ NOI ☐ EA ☐ Draft EIS ☐ FONSI

Other: ☐ Joint Document ☐ Final Document ☐ Other:

Local Action Type:

☐ General Plan Update ☐ General Plan Amendment ☐ General Plan Element ☐ Community Plan
☐ Specific Plan ☐ Master Plan ☐ Planned Unit Development ☐ Site Plan
☐ Rezone ☐ Prezone ☐ Use Permit ☐ Land Division (Subdivision, etc.)
☐ Annexation ☐ Redevelopment ☐ Coastal Permit ☒ Other: Grading Permit

Development Type:

☐ Residential: Units ____ Acres ____
☐ Office: Sq.ft. ____ Acres ____ Employees ____
☐ Commercial: Sq.ft. ____ Acres ____ Employees ____
☐ Industrial: Sq.ft. ____ Acres ____ Employees ____
☐ Educational: ____
☐ Recreational: ____
☐ Water Facilities: Type ____ MGD ____
☒ Transportation: Type Seismic retrofit of an existing bridge
☐ Mining: Mineral ____
☐ Power: Type ____ MW ____
☐ Waste Treatment: Type ____ MGD ____
☐ Hazardous Waste: Type ____
☐ Other: ____

Project Issues Discussed in Document:

☒ Aesthetic/Visual ☒ Agricultural Land ☒ Air Quality ☒ Archeological/Historical ☒ Biological Resources ☐ Coastal Zone ☐ Drainage/Absorption ☐ Economic/Jobs
☐ Fiscal ☒ Flood Plain/Flooding ☒ Forest Land/Fire Hazard ☒ Geologic/Seismic ☒ Minerals ☒ Noise ☒ Population/Housing Balance ☒ Public Services/Facilities
☒ Recreation/Parks ☒ Schools/Universities ☒ Septic Systems ☒ Sewer Capacity ☒ Soil Erosion/Compaction/Grading ☒ Solid Waste ☒ Toxic/Hazardous ☒ Traffic/Circulation
☒ Vegetation ☒ Water Quality ☒ Water Supply/Groundwater ☒ Wetland/Riparian ☒ Growth Inducement ☒ Land Use ☒ Cumulative Effects ☐ Other: ____

Present Land Use/Zoning/General Plan Designation:

None (public street)

Project Description: *(please use a separate page if necessary)*

The project includes seismic retrofits of the Eureka Hill Rd Bridge (10C-0034) over the Garcia River in Mendocino County. The improvements would strengthen the structural components to resist seismic loads on the structure & loads imposed by the soil movement. The retrofit work would involve the following activities within or adjacent to the Garcia River: 1) constructing a temporary clear water crossing (temporary work pad) beneath the bridge with temporary culverts to maintain flow & fish passage through the site as well as providing construction access to piers; 2) excavating, driving piles, and constructing top mats to reinforce the bent foundations around piers 2, 3, & 4; & 3) revegetating temporarily disturbed riparian areas.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "X".
If you have already sent your document to the agency please denote that with an "S".

X	Air Resources Board	X	Office of Historic Preservation
	Boating & Waterways, Department of		Office of Public School Construction
	California Emergency Management Agency		Parks & Recreation, Department of
	California Highway Patrol		Pesticide Regulation, Department of
X	Caltrans District #1		Public Utilities Commission
	Caltrans Division of Aeronautics	X	Regional WQCB #1
	Caltrans Planning		Resources Agency
	Central Valley Flood Protection Board		Resources Recycling and Recovery, Department of
	Coachella Valley Mtns. Conservancy		S.F. Bay Conservation & Development Comm.
	Coastal Commission		San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
	Colorado River Board		San Joaquin River Conservancy
	Conservation, Department of		Santa Monica Mtns. Conservancy
	Corrections, Department of		State Lands Commission
	Delta Protection Commission		SWRCB: Clean Water Grants
	Education, Department of	X	SWRCB: Water Quality
	Energy Commission		SWRCB: Water Rights
X	Fish & Game Region #1		Tahoe Regional Planning Agency
	Food & Agriculture, Department of		Toxic Substances Control, Department of
	Forestry and Fire Protection, Department of	X	Water Resources, Department of
	General Services, Department of		
	Health Services, Department of		Other:
	Housing & Community Development		Other:
X	Native American Heritage Commission		

Local Public Review Period (to be filled in by lead agency)

Starting Date June 13, 2014 Ending Date July 14, 2014

Lead Agency (Complete if applicable):

Consulting Firm: LSA Associates, Inc.
Address: 4200 Rocklin Road, Suite 11B
City/State/Zip: Rocklin, CA 95677
Contact: Jeff Bray
Phone: (916) 630-4600

Applicant: Mendocino County Department of Transportation
Address: 340 Lake Mendocino Drive
City/State/Zip: Ukiah, CA 95482
Phone: (707) 463-4079

Signature of Lead Agency Representative: Jacky Ford **Date:** 6/11/14

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

Advertising Order Confirmation

The Ukiah DAILY JOURNAL

Ad Order Number	Customer	Payor Customer	PO Number
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	No		Legal Liner

Product	Requested Placement	Requested Position	Run Dates	# Inserts
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i.Upsell UkiahDailyJournal	Legals CLS NC	General Legal NC-1076~	06/15/14, 06/22/14	2

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340 LAKE MENDOCINO DR
UKIAH CA 9□482

Legal No. □□□5214366

358-14

6-15,22/14

PROOF OF PUBLICATION
(2□15.5 C.C.P.)

STATE OF CALIFORNIA
COUNTY OF MENDOCINO

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer of the Ukiah Daily Journal, a newspaper of general circulation, printed and published daily in the City of Ukiah, County of Mendocino and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Mendocino, State of California, under the date of September 22, 19□2, Case Number 9267; that the notice, of which the annexed is a printed copy (set in type not smaller than non-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

6/15/2□14, 6/22/2□14

I certify (or declare) under the penalty of perjury that the foregoing is true and correct.

Dated at Ukiah, California,
June 23th, 2014

Signature

MOLLY MORANDI, LEGAL CLERK

MENDOCINO COUNTY
DEPARTMENT OF
TRANSPORTATION

NOTICE OF BOARD HEARING AND AVAILABILITY OF DRAFT MITIGATED NEGATIVE DECLARATION FOR PUBLIC REVIEW

NOTICE IS HEREBY GIVEN THAT the Mendocino County Board of Supervisors at its regular meeting on Tuesday, August 12, 2014, at 9:00 A.M., in the Board of Supervisors Chambers, 501 Low Gap Road, Ukiah, California, will conduct a public hearing on the following project and the Draft Mitigated Negative Declaration at the time listed or as soon thereafter as the item may be heard.

Project title: Eureka Hill Road over the Garcia River Seismic Retrofit Project, County Bridge #10C-0034

Lead agency: Mendocino County Department of Transportation (MDOT), 340 Lake Mendocino Dr., Ukiah, CA 95482

Contact person, phone number and e-mail: Jackson Ford, Environmental Compliance Specialist, (707) 463-4622, fordj@co.mendocino.ca.us

Project location: The proposed project is in Mendocino County, California, on Eureka Hill Road (CR 505) at the crossing of the Garcia River at Mile Marker 4.92. The City of Point Arena is approximately 5.0 miles west of the proposed project area. Surrounding land uses are Rangeland 160 and Timber Preserve.

Description of project: The proposed project includes seismic retrofits of the Eureka Hill Road Bridge (No. 10C-0034) over the Garcia River in Mendocino County. The proposed improvements would strengthen the structural components to resist seismic loads on the structure and loads imposed by the soil movement. Support is provided at the ends of the superstructure near the abutments. The retrofit work would involve the following activities within or adjacent to the Garcia River: 1) constructing a temporary clear water crossing (temporary work pad) beneath the bridge with temporary culverts to maintain flow and fish passage through the site as well as providing construction

well as providing construction access to piers; 2) excavating, driving piles, and constructing top mats to reinforce the bent foundations around piers 2, 3, and 4; and 3) revegetating temporarily disturbed riparian areas. Retrofitting of the bridge abutments (i.e., excavating, constructing two 72-inch Cast-in-Drilled-Hole (CIDH) piles at each bridge abutment, and constructing concrete girders between the CIDH pile groups and bumpers to the superstructure soffit would occur outside of the channel.

In order to complete the needed seismic retrofit work, it is likely that the Eureka Hill Road Bridge would be limited to one lane traffic control through the project site for some construction activities, including drilling CIDH piles. Two areas (one on each side of the Garcia River) north of the bridge are available for potential construction staging areas. All in-channel work would occur between June 15 and October 15.

Environmental Determination: The Mendocino County Department of Transportation has prepared a Draft Mitigated Negative Declaration for the above project (there will not be a significant effect in this case because proposed mitigation measures will reduce potentially significant effects to a less than significant level). A copy of the Initial Study with mitigation measures in support of the Draft Mitigated Negative Declaration for the Bridge Replacement Project is available for public review at the Friends of the Coast Community Library (225 Main Street, Point Arena), the County Department of Transportation in Ukiah (340 Lake Mendocino Drive), and the MDOT website http://www.co.mendocino.ca.us/dot under the environmental documents tab.

Your comments regarding the above project and/or the Draft Mitigated Negative Declaration are invited. Written comments should be submitted to the Mendocino County Department of Transportation, 340 Lake Mendocino Drive, Ukiah, California 95482. All written comments must be received prior to 4:30 P.M. July 14, 2014 to be included with the Staff Report to the Board. Oral, email and/or additional written comments may be presented to the Board of Supervisors during the public hearing.

If you challenge the above matter in Court, you may be limited to raising only those issues which you or someone else raised in the written correspondence delivered to the Department of Transportation, at or prior to the date indicated above. All persons are invited to appear and present testimony in this matter.

Additional information regarding the above noted item may be obtained by calling the Mendocino County Department

of Transportation, at 463-4363, Monday through Friday, 8:00 a.m. through 4:30 p.m. Should you desire notification of the Board of Supervisors decision you may do so by requesting notification in writing and providing a self-addressed stamped envelope to the Mendocino County Department of Transportation, 340 Lake Mendocino Drive, Ukiah, California 95482.

HOWARD N. DASHIELL
Director, Department of Transportation

STATE OF CALIFORNIA

Governor's Office of Planning and Research

State Clearinghouse and Planning Unit

Edmund G. Brown Jr.
Governor

Ken Alex
Director

July 15, 2014

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JUL 17 2014

MENDOCINO COUNTY
TRANSPORTATION

Jackson Ford
Mendocino County Department of Transportation
340 Lake Mendocino Drive
Ukiah, CA 95482

Subject: Eureka Hill Road - Garcia River Bridge Seismic Retrofit Project
SCH#: 2014062041

Dear Jackson Ford:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. The review period closed on July 14, 2014, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

Scott Morgan
Director, State Clearinghouse

1400 TENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044
TEL (916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

Document Details Report
State Clearinghouse Data Base

SCH# 2014062041
Project Title Eureka Hill Road - Garcia River Bridge Seismic Retrofit Project
Lead Agency Mendocino County

Type **MND** Mitigated Negative Declaration

Description The project includes seismic retrofits of the Eureka Hill Rd Bridge (10C-0034) over the Garcia River in Mendocino County. The improvements would strengthen the structural components to resist seismic loads on the structure & loads imposed by the soil movement. The retrofit work would involve the following activities within or adjacent to the Garcia River: 1) constructing a temporary clear water crossing (temporary work pad) beneath the bridge with temporary culverts to maintain flow & fish passage through the site as well as providing construction access to piers; 2) excavating, driving piles, and constructing top mats to reinforce the bent foundations around piers 2, 3, & 4; & 3) revegetating temporarily disturbed riparian areas.

Lead Agency Contact

Name Jackson Ford
Agency Mendocino County Department of Transportation
Phone 707 463 4622 **Fax**
email
Address 340 Lake Mendocino Drive
City Ukiah **State** CA **Zip** 95482

Project Location

County Mendocino
City Point Arena
Region
Lat / Long 38° 54' 12.08" N / 123° 36' 27.22" W
Cross Streets Eureka Hill Road, Hay Ranch Road
Parcel No.
Township 12N **Range** 16W **Section** 14 **Base** MDB&M

Proximity to:

Highways
Airports
Railways
Waterways Garcia River
Schools
Land Use

Project Issues Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Flood Plain/Flooding; Forest Land/Fire Hazard; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Growth Inducing; Landuse; Cumulative Effects

Reviewing Agencies Resources Agency; Department of Boating and Waterways; Department of Fish and Wildlife, Region 1E; Cal Fire; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; California Highway Patrol; Caltrans, District 1; Air Resources Board; Air Resources Board, Transportation Projects; Regional Water Quality Control Board, Region 1; Native American Heritage Commission; State Lands Commission

Date Received 06/13/2014 **Start of Review** 06/13/2014 **End of Review** 07/14/2014