OWNER/APPLICANT: CALIFORNIA DEPT OF TRANSPORTATION
703 B STREET
MARYSVILLE, CA 95901

AGENT: DOTRIK WILSON,
ENVIRONMENTAL MANAGEMENT, M2
703 B STREET
MARYSVILLE, CA 95901

REQUEST: Standard Coastal Development permit to conduct geotechnical drilling at three (3) locations on Highway 1. The purpose of this project is to collect subsurface geotechnical data. This project is needed in order to aid future bridge foundation design for the widening and rail upgrade of the following bridges: (1) Russian Gulch Bridge (Bridge No. 10-0151), PM 52.64; (2) Jack Peters Bridge (Bridge No. 10-0150), PM 51.87; (3) Little River Bridge (Bridge No. 10-0178), PM 48.05.

LOCATION: In the Coastal Zone, located within the Caltrans right-of-way, near the towns of Little River and Mendocino, along the northbound and southbound lanes of Highway 1, between post miles 48.05 and 52.64 in Mendocino County (APNs 121-010-RW, 121-320-RW, 119-280-RW, 118-290-RW, 118-320-RW).

APPEALABLE AREA: Yes (Highly Scenic Area)

PERMIT TYPE: Standard

TOTAL ACREAGE: N/A- All work is within right-of-way and existing turnouts

GENERAL PLAN: Right-of-Way

ZONING: Right-of-Way

EXISTING USES: Scenic two-lane highway

ADJACENT ZONING:

(1) Russian Gulch Bridge
North: OSDPR
East: OSDPR
South: OSDPR
West: Pacific Ocean/Beach

(2) Jack Peters Bridge
North: RR5(2)
East: RR5(2)[PD]
South: RR5(2)[DL]
West: Pacific Ocean/Beach

(3) Little River Bridge
North: OSDPR
East: OSDPR
South: OSDPR
West: Pacific Ocean/Beach

SURROUNDING LAND USES:

(1) Russian Gulch Bridge
North: State Park
East: State Park
South: State Park
West: State Park

(2) Jack Peters Bridge
North: Residential
East: Residential
South: Residential
West: Ocean

(3) Little River Bridge
North: State Park
East: State Park
South: State Park
West: State Park

SUPERVISORIAL DISTRICT: 4 & 5

CA COASTAL RECORDS PROJECT: Images 201302995, 201303006, 201303134

ENVIRONMENTAL DETERMINATION: Categorically Exempt from CEQA under Class 6- Information Collection. A Categorical Exemption/ Categorical Exclusion Determination Form was completed by Caltrans for the proposed project.

PROJECT DETERMINATION: Approve with Conditions

PROJECT DESCRIPTION: The California Department of Transportation (Caltrans) proposes to conduct geotechnical drilling at three (3) locations on Highway 1 between post miles (PM) 48.05 and 52.64 in Mendocino County. The purpose of this project is to collect subsurface geotechnical data. This project is needed in order to aid future bridge foundation design for the widening and rail upgrade of the following bridges: (1) Russian Gulch Bridge (Bridge No. 10-0151), PM 52.64; (2) Jack Peters Bridge (Bridge No. 10-0150), PM 51.87; (3) Little River Bridge (Bridge No. 10-0178), PM 48.05.

Geotechnical drilling will be performed at and adjacent to each bridge location. A mud rotary self-casing drilling system will be used to collect boring samples from the northbound and southbound lanes and shoulders of Highway 1, as well as underneath the bridge decks of the existing structures. Two (2) to four (4) boreholes, four (4) to eight (8) inches in diameter, will be drilled at each location. The borings will be drilled to an estimated maximum depth of 150 feet. Seismic refraction may also be used on un-vegetated areas beneath bridges. Staging will be confined to the paved roadway and existing pullouts within the project limits. One-way traffic control will be required during drilling operations. All work will occur within the Caltrans right-of-way.

SITE DESCRIPTION AND SETTING: The three bridge sites where geotechnical drilling will occur are situated near the towns of Little River and Mendocino on Highway 1 in the Caltrans right-of-way. Work will occur in both the northbound and southbound lanes of Highway 1. The Russian Gulch Bridge and Little River Bridge are surrounded by California Department of Parks and Recreation property, and Jack Peters Bridge is surrounded by residential development. Currently existing at these sites is a scenic two-lane highway, including the bridges that are the subjects of this permit.

OTHER RELATED APPLICATIONS:

- East of the Little River Bridge site, on APN 121-260-03, CDP #58-1994 permitted the removal of six (6) in-stream barriers to Coho salmon migration in Little River, Van Damme State Park, concrete rock and culvert fords were replaced with box culverts that would not prevent fish passage. The permit was approved on September 22, 1994.

SUMMARY OF REFERRAL AGENCY COMMENTS:

Planning – Ukiah	No comment.
Department of Transportation	No response.
Environmental Health – Fort Bragg	Bentonite shall be used for destruction of well. DEH shall be on-site during destruction.
Building Inspection – Fort Bragg	No comment.
Assessor	No response.
Air Quality Management District	No comment.
Department of Fish & Wildlife	(1) Due to the proximity of project activities to watercourses, riparian areas and wetlands, Caltrans should consult with CDFW regarding the potential need for a Lake or Streambed Alteration Agreement. (2) Environmental Commitments outlined on the Categorical Exemption/Categorical Exclusion Determination Form should be included as enforceable conditions of approval for the project.
US Fish and Wildlife Service	No response.
Coastal Commission	No response.
CalFire	No comment.
Archaeological Commission	Survey/memorandum accepted; however, an Archaeological Monitor shall be present on-site during all earth moving activities related to this permit.
RWQCB	No response.
Department of Parks and Recreation	No response.
Sierra Club	No response.
Mendocino Fire District	No response.
Mendocino City Community Services District	No comment.

KEY ISSUES: Coastal Development Permit applications are subject to the findings enumerated in Section 20.532.095 and Section 20.532.100 of the Mendocino County Code (MCC). Attachment A of this report individually addresses each of the Required Findings for all Coastal Development Permits and any Supplemental Findings applicable to this project. The issues listed below are drawn from Attachment A and have been determined to be "key issues" because they either require special conditions for the findings to be made, or they address matters of particular concern by referral agencies.

Land Use

The land associated with this application is situated within the boundaries of Mendocino County's Local Coastal Program, but the land does not have a General Plan or Zoning designation. Public roads are outside the boundaries of general plan classifications and zoning districts, because district designations are assigned to parcels. The site is currently developed with an existing scenic two-lane highway.

Natural Resources

Caltrans prepared a Natural Environment Study in October 2014 and additionally prepared a Botanical/ESHA Assessment and Reduced Buffer Analysis in October 2014 to identify any environmentally sensitive habitat areas (ESHA) within the project area. Four (4) streams were identified within the one-hundred (100) foot Environmental Study Limits (ESL). Three (3) perennial drainages: Little River, Jack Peters Creek, and Russian Creek, and one was an ephemeral drainage. Six (6) wetlands were identified within the ESL, some were three-parameter wetlands (U.S. Army Corps of Engineers), and some were one-parameter wetlands (Coastal Act). Three (3) riparian areas were identified in the ESL and are associated with the perennial drainages. One (1) ditch, a small stretch of Pacific Ocean, and a stand of grand fir forest were also found within the projects ESL.

Mendocino County Code requires that all proposed improvements be located a minimum one-hundred (100) feet from all sensitive habitats, unless a qualified biologist prepares a Reduced Buffer Analysis to reduce the buffer to fifty (50) feet. A Reduced Buffer Analysis was prepared for the project and agreed upon by California Department of Fish and Wildlife. Still, construction related activities will be located within fifty (50) feet of several identified ESHA. Tables 1 through 3 below address the various ESHA,

associated buffers, and potential impacts. Please note that ESHAs identified in Table 1 represent those found at the Little River Bridge site, ESHAs identified in Table 2 represent those found at the Jack Peters Bridge site, and ESHAs identified in Table 3 represent those found at the Russian Gulch Bridge site.

Table 1. Summary Table- Little River Bridge

ESHA	Type	Buffer	Potential Impacts	Consistent with required buffer distances contained in MCC Chapter 20.496
1a	Riparian- vegetation dominated by alder and willow trees and shrubs	Drilling would occur at two locations within buffer, as close as approximately twenty (20) feet from ESHA 1a.	No impacts are expected. Work would be conducted from the paved surface.	No
1b	Riparian- vegetation dominated by alder and willow trees and shrubs	Drilling would occur at two locations within buffer, as close as approximately twenty-three (23) feet from ESHA 1b.	No impacts are expected. Work would be conducted from the paved surface.	No
1c	Wetland-vegetation dominated by sedges, spikerushes, cinquefoil, and partial tree cover of alders	Drilling would occur at two locations within buffer, as close as approximately twenty-six (26) feet from ESHA 1c.	No impacts are expected. Work would be conducted from paved surface.	No
1d	Wetland-vegetation dominated by sedges, spikerushes, cinquefoil, and partial tree cover of alders	Drilling would occur at two locations within buffer, as close as approximately twenty-eight (28) feet from ESHA 1d.	No impacts are expected. Work would be conducted from paved surface.	No
1e	Wetland- vegetation dominated by alder trees and elderberry shrubs	Equipment staging would occur within the buffer.	No impacts are expected. No drilling would occur within one-hundred (100) feet. Equipment staging will occur in an existing paved/gravel pull out.	No
1f	Wetland	Work would occur over one-hundred (100) feet from ESHA 1f.	No impacts are expected.	Yes
1g	Stream- perennial stream, and forms a small lagoon in the project area. It may have potential to support Northern California steelhead, a federal Threatened fish.	Drilling would occur at two locations within buffer, as close as approximately thirty-eight (38) feet from ESHA 1g.	No impacts are expected. Work would be conducted from the paved surface.	No

Table 2. Summary Table- Jack Peters Bridge

ESHA	Type	Buffer	Potential Impacts	Consistent with required buffer distances contained in MCC Chapter 20.496
2a	Wetland- roadside ditch with vegetation dominated by sedges and pennyroyal	Drilling would occur at one location within buffer, as close as approximately twenty (20) feet from ESHA 2a.	No impacts are expected. Work would be conducted from paved surface.	No
2b	Stream- is the stream at Jack Peters Gulch. It is a perennial stream, and is tidally influenced in the project area. It may have potential to support Northern California steelhead, a federal Threatened fish.	Work would occur over 100 feet from ESHA 2b.	No impacts are expected.	Yes
2c	Grand Fir Forest- a natural community of concern.	Drilling would occur at one location within buffer, as close as approximately sixty (60) feet from ESHA 2c.	No impacts are expected. Work would be conducted from paved surface.	Yes
2d	Ocean- open coastal water.	Drilling would occur at one location within buffer, as close as approximately eighty (80) feet from ESHA 2d.	No impacts are expected. Work would be conducted from paved surface. Equipment staging would occur on an established gravel pull out adjacent to the work area. See maps below.	Yes

Table 3. Summary Table- Russian Gulch Bridge

ESHA	Type	Buffer	Potential Impacts	Consistent with required buffer distances contained in MCC Chapter 20.496
3a	Ditch	Drilling would occur at one location within buffer, as close as approximately twenty-two (22) feet from ESHA 3a.	No impacts are expected. Work would be conducted from either paved surface or disturbed road shoulder.	No
3b	Stream- ephemeral or intermittent drainage, conveys water	Drilling would occur at one location within buffer, as close as approximately	No impacts are expected. Work would be conducted from	Yes

	received from ESHA 3a (ditch), as well as additional water collected on the roadway.	sixty-five (65) feet from ESHA 3b.	paved surface or disturbed road shoulder.	
3c	Stream- is Russian Creek, a perennial stream. It may have potential to support Northern California steelhead, a federal Threatened fish.	Drilling would occur at one location within buffer, as close as approximately seventy-seven (77) feet from ESHA 3c. This boring would be completed by drilling through the existing roadway surface and bridge deck reaching the ground surface beneath. The bridge surface will be penetrated, or cored with a concrete core to allow the drilling system to extend below the bridge to the native ground surface.	A small quantity of water (approximately 1 gallon) will reach ground surface below the bridge deck. The fluid will be captured by plastic sheeting placed on the ground surface and disposed. Five (5) inch steel casing is then emplaced through the cored bridge deck hole and seated into the ground by the crew below the bridge. A small containment trap will be hand dug to capture fluids generated and potentially released in subsequent drilling advancement. Capture basin will be lined with 6-mil plastic sheeting and monitored by the crew. BMPs will be in place to capture any releases. No impacts are expected. See **Condition 11**.	Yes
3d	Riparian- dominated by alder trees	Work would occur over one-hundred (100) feet from ESHA 3d.	No impacts are expected.	Yes
3e	Wetland- dominated by rushes and alder trees.	Equipment staging may occur within the buffer in existing paved turnouts and possibly adjacent compacted shoulder.	No impacts are expected.	Yes

Required buffer distances cannot be maintained from identified wetland and riparian features. Public services, such as roadway and trial crossings, are permissible within wetland and riparian ESHA per MCC Sections 20.496.025(A)(7) and 20.496.035(A)(2). The proposed geotechnical borings are needed in order to aid future bridge foundation design for the widening and rail upgrade of the three bridges. The selected boring locations avoid impacts to ESHA to the greatest extent feasible, while still accomplishing the purpose of the project to collect subsurface geotechnical data at the three bridge locations. All feasible mitigation measures are required as conditions of approval (Conditions 10 and 11) to reduce project impacts to a less than significant level. The proposed project is therefore consistent with Mendocino County Code regulations for the protection of natural resources.

Cultural Resources

The applicant submitted Archaeological Resources documentation with their Coastal Development Permit application. The project was heard by the Mendocino County Archaeological Commission hearing August 12, 2015, where they accepted the archaeological survey but also recommended that an Archaeological

Monitor be on-site during all earth moving activities related to the project. The applicant is still advised of the Mendocino County Archaeological Resources Ordinance, and specifically Section 22.12, commonly referred to as the "Discovery Clause." Conditions 8 and 9 are recommended to provide for the protection of unrecorded archaeological sites.

PROJECT DETERMINATION FINDINGS AND CONDITIONS: Pursuant to the provisions of Chapter 20.532 and Chapter 20.536 of the Mendocino County Code, the Coastal Permit Administrator approves the proposed project, based on the following findings and conditions.

REQUIRED FINDINGS FOR THIS COASTAL DEVELOPMENT PERMIT:

1. The proposed development is in conformity with the certified Local Coastal Program. The proposed project is to collect subsurface geotechnical data in order to aid future bridge foundations design for the widening and rail upgrade of the three bridges. The proposed project would allow the continuance of Highway 1 as the principal circulation route on the Mendocino Coast; and as proposed is consistent with the Mendocino County Local Coastal Program; and

2. The proposed development will be provided with adequate utilities, access roads, drainage and other necessary facilities. No structures are proposed with this application that would require connection to utilities. The proposed project will take place within the existing Highway 1 right-of-way. A Water Pollution Control Plan shall be prepared by the contractor and shall be submitted to Planning and Building Services prior to the initiation of work on the site; and

3. The proposed development is consistent with the purpose and intent of the applicable zoning district, as well as all other provisions of Division II, and preserves the integrity of the zoning district. The proposal is to conduct geotechnical drilling within Highway 1 right-of-way. Public roads are outside the boundaries of zoning districts, because district designations are assigned to parcels. All of the proposed work will take place within the right-of-way and outside the boundaries of any zoning district; and

4. The proposed development, if constructed in compliance with the conditions of approval, will not have any significant adverse impacts on the environment and is considered categorically exempt under Class 6 within the meaning of the California Environmental Quality Act. Environmental commitments have been made as part of the Categorical Exemption/Categorical Exclusion Determination Form and the California Department of Fish and Wildlife has recommended that those commitments are recommended as enforceable conditions on this permit; and

5. The proposed development will not have any adverse impacts on any known archaeological or paleontological resource. The project was heard by the Mendocino County Archaeological Commission hearing August 12, 2015, where they accepted the archaeological survey but also recommended that an Archaeological Monitor be on-site during all earth moving activities related to the project; and

6. Other public services, including but not limited to, solid waste and public roadway capacity have been considered and are adequate to serve the proposed development. The proposed project is to conduct geotechnical drilling at three bridge locations; as such, the demand for solid waste service would be limited to the period of construction and will be managed by the contractor. The proposed project will not have an impact on the number of trips generated, but will impact circulation by reducing traffic to one-way controlled traffic during the geotechnical borings, likely resulting in increased congestion in the area. Traffic related impacts would be of short duration and are necessary to allow crews to safely perform the necessary data collection at each location; and

7. The proposed development is in conformity with the public access and public recreation policies of Chapter 3 of the California Coastal Act and Coastal Element of the General Plan. The proposed development is located on the first public road and is not designated as a potential public access trail on the certified Local Coastal Program maps (maps #15 and #17), making the

subject finding not applicable to this project. Public access exists adjacent to all bridges, but a sufficient distance that the proposed work will have no impact on public access; and

8. The resources identified will not be significantly degraded by the proposed development; there is no feasible less environmentally damaging alternative; and all feasible mitigation measures capable of reducing or eliminating project related impacts have been adopted. The proposed project has the potential to impact biological resources but is considered an allowable use within an ESHA area, as the proposed project will allow the continuance and maintenance of Highway 1, the principal circulation route for the Mendocino Coast. Public services, such as roadway and trial crossings, are permissible within wetland and riparian ESHA per MCC Sections 20.496.025(A)(7) and 20.496.035(A)(2). The proposed geotechnical borings are needed in order to aid future bridge foundation design for the widening and rail upgrade of the three bridges. The selected boring locations avoid impacts to ESHA to the greatest extent feasible, while still accomplishing the purpose of the project to collect subsurface geotechnical data at the three bridge locations. All feasible mitigation measures are required as conditions of approval to reduce project impacts to a less than significant level.

CONDITIONS OF APPROVAL:

1. This action shall become final on the 11th day following the decision unless an appeal is filed pursuant to Section 20.544.015 of the Mendocino County Code. The permit shall become effective after the ten working day appeal period to the Coastal Commission has expired and no appeal has been filed with the Coastal Commission. The permit shall expire and become null and void at the expiration of two years after the effective date except where construction and use of the property in reliance on such permit has been initiated prior to its expiration.

2. The use and occupancy of the premises shall be established and maintained in conformance with the provisions of Division II of Title 20 of the Mendocino County Code.

3. The application, along with supplemental exhibits and related material, shall be considered elements of this permit, and that compliance therewith is mandatory, unless an amendment has been approved by the Coastal Permit Administrator.

4. This permit shall be subject to the securing of all necessary permits for the proposed development from County, State and Federal agencies having jurisdiction.

5. The applicant shall secure all required building permits for the proposed project as required by the Building Inspection Division of the Department of Planning and Building Services.

6. This permit shall be subject to revocation or modification upon a finding of any one or more of the following:
   a. The permit was obtained or extended by fraud.
   b. One or more of the conditions upon which the permit was granted have been violated.
   c. The use for which the permit was granted is conducted so as to be detrimental to the public health, welfare or safety, or to be a nuisance.
   d. A final judgment of a court of competent jurisdiction has declared one or more conditions to be void or ineffective, or has enjoined or otherwise prohibited the enforcement or operation of one or more such conditions.

7. This permit is issued without a legal determination having been made upon the number, size or shape of parcels encompassed within the permit described boundaries. Should, at any time, a legal determination be made that the number, size or shape of parcels within the permit described boundaries are different than that which is legally required by this permit, this permit shall become null and void.

8. If any archaeological sites or artifacts are discovered during site excavation or construction activities, the applicant shall cease and desist from all further excavation and disturbances within one hundred (100) feet of the discovery, and make notification of the discovery to the Director of the Department of Planning and Building Services. The Director will coordinate further actions for the protection of the archaeological resources in accordance with Section 22.12.090 of the Mendocino County Code.

9. During all ground disturbing activities related to the project an Archaeological Monitor shall be on-site.

10. Prior to the initiation of project related work, a Water Pollution Control Program (WPCP) shall be prepared by the project contractor and shall be submitted to the Planning Division for review and approval by Planning Staff.

11. Measures shall be taken at the Russian Gulch boring to ensure that no material will enter the Russian Creek, as follows:
    a. Mud or water from the boring shall not be allowed to enter the stream.
    b. Standard best management practices and spill response material shall be available on-site.
    c. Plastic sheeting shall be placed on the ground surface during bridge deck coring to capture any water released.
    d. A small containment trap shall be hand-dug to capture fluids generated and potentially released in subsequent drilling advancement.
    e. The capture basin shall be lined with 6-mil plastic sheeting.
    f. The capture basin shall be monitored by the crew.
    g. Circulation shall be controlled to prevent fugitive fluid release.
    h. Best management practices shall be employed in the event of a fugitive fluid release.
    i. In case of a fugitive fluid release, operation shall be arrested until fluids are captured and contained and the release stopped.
    j. Fugitive fluids shall be absorbed by Xtra Sorb containment material or native earth material.
    k. Used Xtra Sorb material shall be collected with a shovel and placed in DOT-17H steel drums for transport and disposal.

12. The applicant shall adhere to the Noise Standards provided in Appendix B of Title 20, Division II of Mendocino County Code.

Staff Report Prepared By:

_____ _____

DATE JULIA ACKER
PLANNER I

JA/at
October 9, 2015

Attachments:

A- Coastal Permit Approval Checklist
B- Location Map
C- Topographic Map (Russian Gulch, Jack Peters)
D- Topographic Map (Little River)
E- Google Earth Imagery (Russian Gulch)
F- Google Earth Imagery (Jack Peters)
G- Google Earth Imagery (Little River)
H- California Coastal Records Project (Russian Gulch)
I- California Coastal Records Project (Jack Peters)
J- California Coastal Records Project (Little River)
K- Proposed Boring Locations (Russian Gulch)
L- Proposed Boring Locations (Russian Gulch)
M- Proposed Boring Locations (Russian Gulch)
N- Proposed Boring Locations (Russian Gulch)
O- Proposed Boring Locations (Russian Gulch)
P- Proposed Boring Locations (Russian Gulch)
Q- Proposed Boring Locations (Jack Peters)
R- Proposed Boreholes for the Sidehill Viaduct Locations (Jack Peters)
S- Proposed Boring Locations (Jack Peters)
T- Proposed Boring Locations (Little River)
U- Proposed Boring Locations (Little River)
V- Proposed Boring Locations (Little River)
W- Proposed Boring Locations (Little River)
X- Proposed Boring Locations (Little River)
Y- Proposed Boring Locations (Little River)
Z- Zoning Display Map (Russian Gulch)
AA- Zoning Display Map (Jack Peters)
BB- Zoning Display Map (Little River)
CC- General Plan Classifications (Russian Gulch)
DD- General Plan Classifications (Jack Peters)
EE- General Plan Classifications (Little River)
FF- LCP Maps 15 & 17
GG- Adjacent Parcels (Russian Gulch)
HH- Adjacent Parcels (Jack Peters)
II- Adjacent Parcels (Little River)
JJ- Fire Hazard Zones & FRA (Russian Gulch, Jack Peters)
KK- Fire Hazard Zones & FRA (Little River)
LL- FEMA Flood Zone (Russian Gulch)
MM- FEMA Flood Zone (Jack Peters)
NN- FEMA Flood Zone (Little River)
OO- Groundwater Resources
PP- Highly Scenic & Tree Removal Areas (Russian Gulch, Jack Peters)
QQ- Highly Scenic & Tree Removal Areas (Little River)
RR- Estimated Slope (Russian Gulch, Jack Peters)
SS- Estimated Slope (Little River)
TT- Local Soils (Russian Gulch, Jack Peters)
UU- Local Soils (Little River)
VV- Classified Wetlands (Russian Gulch)
WW-Classified Wetlands (Jack Peters)
XX- Classified Wetlands (Little River)

ATTACHMENT A

COASTAL PERMIT APPROVAL CHECKLIST
CDP_2015-0009 (CALTRANS)
NOVEMBER 18, 2015

PROJECT TITLE:	CDP_2015-0009 (CALTRANS)
PROJECT LOCATION:	Between post miles 48.05 and 52.64 within the Highway 1 Caltrans right-of-way
LEAD AGENCY NAME, ADDRESS AND CONTACT PERSON:	Julia Acker Mendocino County Planning and Building Services 120 West Fir Street Fort Bragg, California 95437 707-964-5379
GENERAL PLAN DESIGNATION:	Right-of-Way
ZONING DISTRICT	Right-of-Way

DESCRIPTION OF PROJECT: The California Department of Transportation (Caltrans) proposes to conduct geotechnical drilling at three (3) locations on Highway 1 between post miles (PM) 48.05 and 52.64 in Mendocino County. The purpose of this project is to collect subsurface geotechnical data. This project is needed in order to aid future bridge foundation design for the widening and rail upgrade of the following bridges: (1) Russian Gulch Bridge (Bridge No. 10-0151), PM 52.64; (2) Jack Peters Bridge (Bridge No. 10-0150), PM 51.87; (3) Little River Bridge (Bridge No. 10-0178), PM 48.05.

Geotechnical drilling will be performed at and adjacent to each bridge location. A mud rotary self-casing drilling system will be used to collect boring samples from the northbound and southbound lanes and shoulders of Highway 1, as well as underneath the bridge decks of the existing structures. Two (2) to four (4) boreholes, four (4) to eight (8) inches in diameter, will be drilled at each location. Three (3) borings at Russian Gulch Bridge, five (5) borings at Jack Peters Bridge, and four (4) borings at Little River Bridge. The borings will be drilled to an estimated maximum depth of 150 feet. Seismic refraction may also be used on un-vegetated areas beneath bridges. Staging will be confined to the paved roadway and existing pullouts within the project limits. One-way traffic control will be required during drilling operations. All work will occur within the Caltrans right-of-way.

SITE DESCRIPTION AND SETTING: The three bridge sites where geotechnical drilling will occur are situated near the towns of Little River and Mendocino on Highway 1 in the Caltrans right-of-way. Work will occur in both the northbound and southbound lanes of Highway 1. The Russian Gulch Bridge and Little River Bridge are surrounded by California Department of Parks and Recreation property, and Jack Peters Bridge is surrounded by residential development. Currently existing at these sites is a scenic two-lane highway, including the bridges that are the subjects of this permit. The boring locations at each bridge site are as follows:

<u>Russian Gulch Bridge:</u>
Boring Location 1- One boring will be drilled through the unpaved southwest shoulder of Highway 1, located at the south end of the bridge. The boring will be located in the dirt shoulder, approximately five (5) to fifteen (15) feet from the paved roadway.
Boring Location 2-One boring will be drilled through the concrete bridge deck between Abutment 1 and Bent 6.
Boring Location 3- One boring will be drilled through the unpaved northwest shoulder of Highway 1, located at the north end of the bridge. The boring will be located in the dirt shoulder approximately five (5) to fifteen (15) feet from the paved roadway.

<u>Jack Peters Bridge:</u>
Boring Location 1 and 2- Borings will be drilled through the existing highway behind Abutment 1 and Abutment 4.
Boring Location 3, 4 and 5- Borings will be drilled on the gravel shoulder to the southwest of the bridge, in the identified staging area.

Little River Bridge:
Boring Location 1 and 2- Borings are proposed to be drilled through the existing roadway behind Abutment 1 and Abutment 2.
Boring Location 3 and 4- Tow borings are proposed to be drilled through the existing roadway, approximately 280 feet west of the bridge.

Please see the Proposed Boring Location Exhibits contained in this document for aerial views of the proposed boring locations.

DETERMINATION: The proposed project **conditionally satisfies all required findings for approval of a Coastal Development Permit**, pursuant to Section 20.532.095 and 20.532.100 of the Mendocino County Code, as individually enumerated in this Coastal Permit Approval Checklist.

20.532.095 Required Findings for All Coastal Development Permits	**Inconsistent**	**Consistent (With Conditions of Approval)**	**Consistent (Without Conditions of Approval)**	**Not Applicable**
(A) The granting or modification of any coastal development permit by the approving authority shall be supported by findings which establish the following:				
(1) The proposed development is in conformity with the certified local coastal program.	☐	☒	☐	☐
(2) The proposed development will be provided with adequate utilities, access roads, drainage and other necessary facilities.	☐	☒	☐	☐
(3) The proposed development is consistent with the purpose and intent of the zoning district applicable to the property, as well as the provisions of this Division and preserves the integrity of the zoning district.	☐	☒	☐	☐
(4) The proposed development will not have any significant adverse impacts on the environment within the meaning of the California Environmental Quality Act.	☐	☐	☒	☐
(5) The proposed development will not have any adverse impacts on any known archaeological or paleontological resource.	☐	☒	☐	☐
(6) Other public services, including but not limited to, solid waste and public roadway capacity have been considered and are adequate to serve the proposed development.	☐	☐	☒	☐
(B) If the proposed development is located between the first public road and the sea or the shoreline of any body of water, the following additional finding must be made:				
(1) The proposed development is in conformity with the public access and public recreation policies of Chapter 3 of the California Coastal Act and the Coastal Element of the General Plan.	☐	☐	☐	☒

- **20.532.095(A)(1) The proposed development is in conformity with the certified local coastal program.**

☒ *Consistent (with conditions of approval)*

The Local Coastal Program sets goals and policies for managing resource protection and development activity in the Coastal Zone of Mendocino County, an area that extends from the Humboldt County line to the Gualala River. The Local Coastal Program addresses topics such as shoreline access and public trails; development in scenic areas, hazardous areas, and coastal blufftops; environmentally sensitive habitat areas; cultural resources;

transportation; public services; and more. The Local Coastal Program serves as an element of the General Plan and includes Division II of Title 20 of the Mendocino County Code (MCC), and its policies must be consistent with the goals of the California Coastal Act.

Various aspects of the Local Coastal Program are specifically addressed by separate Required and Supplemental Findings for Coastal Development Permits, including utilities, transportation, zoning, CEQA, archaeological resources, public services, coastal access, and resource protection. The following is a discussion of elements of the Local Coastal Program not specifically addressed elsewhere in this checklist.

General Plan Land Use – Right-of-Way
The land associated with this application is situated within the boundaries of Mendocino County's Local Coastal Program, but the land does not have a General Plan designation. The project site consists of right-of-way land that is outside the boundaries of parcels or subdivided land. General Plan designations are assigned to parcels or subdivided lands; they are not assigned to rights-of-way. The site is currently developed with an existing scenic two-lane highway.

Noise
The proposed geotechnical borings will occur adjacent to residential land uses and as such there is a potential for inconsistency between the two uses. As such, **Condition 12** is recommended, requiring that the applicants adhere to the Noise Standards provided in Appendix B of Title 20, Division II of Mendocino County Code.

Hazards

Chapter 3.4 of the Mendocino County Coastal Element addresses Hazards Management within the Coastal Zone.

Seismic Activity: The property neither lies within, nor does it adjoin a mapped Alquist-Priolo Earthquake fault zone (Department of Conservation, Division of Mines and Geology 2015). The San Andreas fault is located approximately four miles to the northeast of the project site and is the nearest active fault. The site, like the rest of Mendocino County, is subject to strong ground shaking. Figure 3-12 of the Mendocino County General Plan indicates that the subject parcel is located in a known area of liquefiable soils. Liquefaction is a condition that occurs during an earthquake when some soils behave more like a liquid than a solid, often with catastrophic results for buildings built upon these soils. The proposed project does not include any permanent structures and consists solely of geotechnical borings to collect data for future projects. Therefore, the proposed project is consistent with policies related to development in hazard areas.

Landslides: Upstream of the Russian Gulch Bridge are four (4) landslides shown (approximately 2,000 feet up the river). No landslides are shown in the vicinity of Jack Peters Bridge. Landslides are shown approximately 5,000 feet up river of the Little River Bridge location. The purpose of this project is to collect geotechnical data to facilitate the future bridge foundation design for the widening and rail upgrade of the bridges.

Erosion: The proposed project will take place primarily within the existing Highway 1 roadway. At the Russian Gulch Bridge site one boring location is underneath the deck of the bridges on the sloped area leading down to Russian Gulch. A Water Pollution Control Program (WPCP) will be prepared by the contractor, which will include appropriate construction site best management practices to avoid and minimize water quality impacts. **Condition** 10 is recommended requiring the contractor submit a copy of the Water Pollution Control Program to County Planning Staff for review and approval. Environmental commitments have been made as part of the Categorical Exemption/Categorical Exclusion Determination Form and the California Department of Fish and Wildlife has recommended that those commitments be made as enforceable conditions on this permit as **Condition 11**. Therefore, with the inclusion of **Conditions 10 and 11** the proposed project is found consistent with policies related to erosion.

> **Condition 10:** Prior to the initiation of project related work, a Water Pollution Control Program (WPCP) shall be prepared by the project contractor and shall be submitted to the Planning Division for review and approval by Planning Staff.
>
> **Condition 11:** Measures shall be taken at the Russian Gulch boring to ensure that no material will enter the Russian Creek, as follows:

a. Mud or water from the boring shall not be allowed to enter the stream.

b. Standard best management practices and spill response material shall be available on-site.

c. Plastic sheeting shall be placed on the ground surface during bridge deck coring to capture any water released.

d. A small containment trap shall be hand-dug to capture fluids generated and potentially released in subsequent drilling advancement.

e. The capture basin shall be lined with 6-mil plastic sheeting.

f. The capture basin shall be monitored by the crew.

g. Circulation shall be controlled to prevent fugitive fluid release.

h. Best management practices shall be employed in the event of a fugitive fluid release.

i. In case of a fugitive fluid release, operation shall be arrested until fluids are captured and contained and the release stopped.

j. Fugitive fluids shall be absorbed by Xtra Sorb containment material or native earth material.

k. Used Xtra Sorb material shall be collected with a shovel and placed in DOT-17H steel drums for transport and disposal.

Flooding: There are mapped 100-year flood zones on the subject roadway portions; however, the proposed drilling will occur on the existing roadway and no structures are proposed as part of this application and therefore a Flood Hazard Development Permit is not required. The proposed project consists of conducting geotechnical borings to gather information for future structural work to the three bridges. No conditions are necessary to ensure consistency with flood policy.

Fire: The project is located in areas that have either a very high or high fire hazard severity rating, as shown on the Fire Hazard Zones map. The project application was referred to the Mendocino Fire Protection District and California Department of Forestry and Fire Protection (CalFire) for comment. CalFire and Mendocino Fire Protection District provided no comments for the proposed project. No structures are proposed as part of this application; therefore, risks as a result of locating new development in these areas of high fire hazard is not a concern with this application.

Visual Resources
Protection of visual resources is a specific mandate of Section 30251 of the Coastal Act, and is subsequently addressed in Chapter 3.5 of General Plan's Coastal Element and implemented by MCC Chapter 20.504.

The project sites are located in an area that is designated Highly Scenic by the Local Coastal Program. Therefore, the project is subject to Local Coastal Program Visual Resource policies relating to Highly Scenic Areas. No structures are proposed as part of this application. The proposed project consists of geotechnical borings at three bridge locations to gather information for future work at the sites. Future work at the bridge sites will require a Coastal Development Permit and shall be reviewed for visual impacts at that time. Temporary construction signage will be installed at the site, helping to direct traffic and provide for the safety of the operators.

MCC Section 20.504.035 provides exterior lighting regulations intended to protect coastal visual resources. Exterior lighting is required to be within the zoning district's height limit regulations, and requires exterior lighting to be shielded and positioned in a manner that light and glare does not extend beyond the boundaries of the parcel. No exterior lighting is proposed as part of this project.

Natural Resources
Protection of natural resources is regulated under Chapter 20.496 of Mendocino County Code and further under Section 3.1 of the Mendocino County General Plan Coastal Element.

Caltrans prepared a Natural Environment Study in October 2014 and additionally prepared a Botanical/ESHA Assessment and Reduced Buffer Analysis in October 2014 to identify any environmentally sensitive habitat areas (ESHA) within the project area. Four (4) streams were identified within the one-hundred (100) foot Environmental Study Limits (ESL). Three (3) perennial drainages: Little River, Jack Peters Creek, and Russian Creek, and one was an ephemeral drainage. Six (6) wetlands were identified within the ESL, some were three-parameter wetlands (U.S. Army Corps of Engineers), and some were one-parameter wetlands (Coastal Act). Three (3) riparian areas were identified in the ESL and are associated with the perennial drainages. One (1) ditch, a small stretch of Pacific Ocean, and a stand of grand fir forest were also found within the projects ESL.

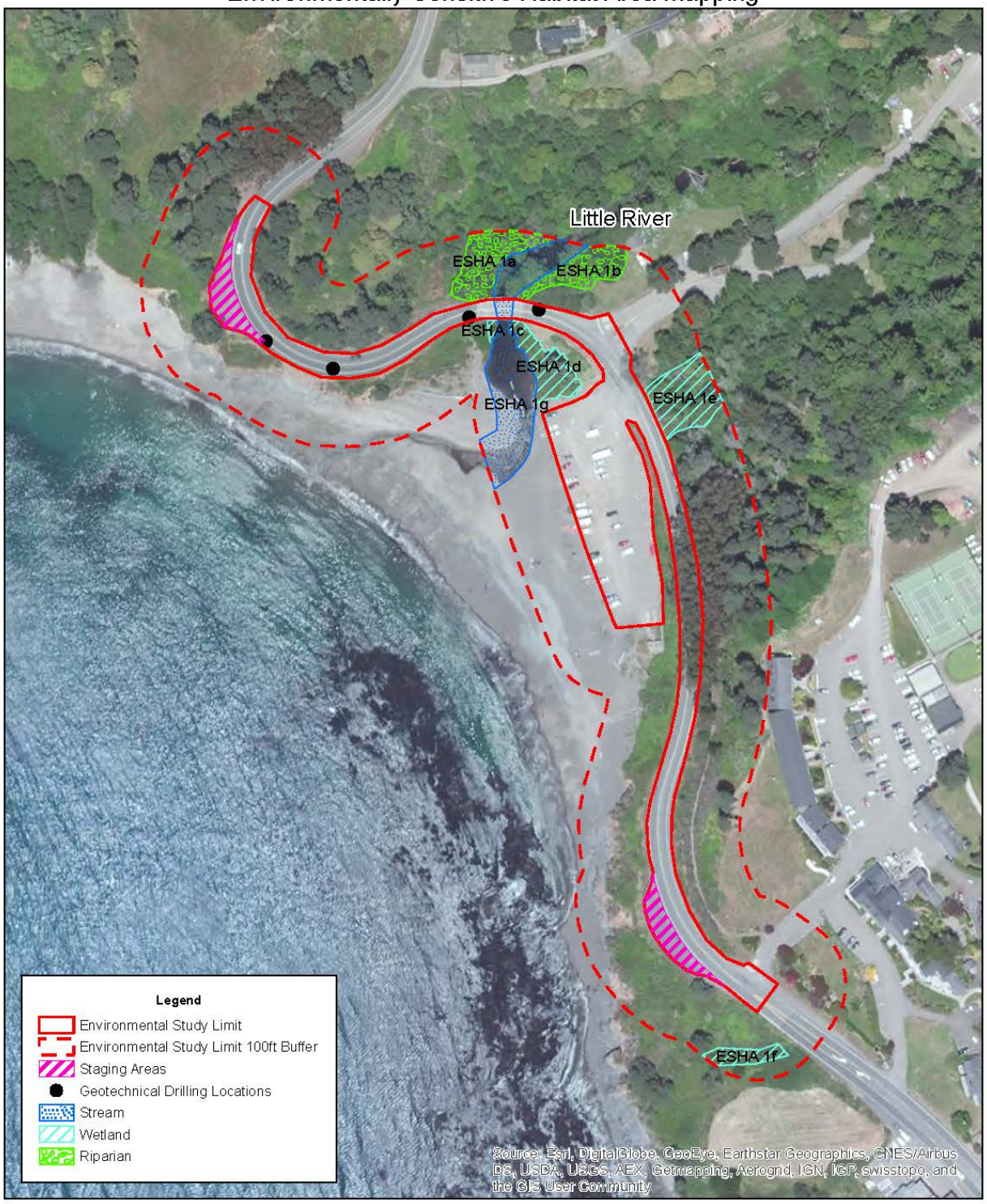
Mendocino County Code requires that all proposed improvements be located a minimum one-hundred (100) feet from all sensitive habitats, unless a qualified biologist prepares a Reduced Buffer Analysis to reduce the buffer to fifty (50) feet. A Reduced Buffer Analysis was prepared for the project and agreed upon by California Department of Fish and Wildlife. Still, construction related activities will be located within fifty (50) feet of several identified ESHA. Tables 1 through 3 below address the various ESHA, associated buffers, and potential impacts. Please note that ESHAs identified in Table 1 represent those found at the Little River Bridge site, ESHAs identified in Table 2 represent those found at the Jack Peters Bridge site, and ESHAs identified in Table 3 represent those found at the Russian Gulch Bridge site. Associated mapping is included below each Table.

Table 1. Summary Table- Little River Bridge

ESHA	Type	Buffer	Potential Impacts	Consistent with required buffer distances contained in MCC Chapter 20.496
1a	Riparian- vegetation dominated by alder and willow trees and shrubs	Drilling would occur at two locations within buffer, as close as approximately twenty (20) feet from ESHA 1a.	No impacts are expected. Work would be conducted from the paved surface.	No
1b	Riparian- vegetation dominated by alder and willow trees and shrubs	Drilling would occur at two locations within buffer, as close as approximately twenty-three (23) feet from ESHA 1b.	No impacts are expected. Work would be conducted from the paved surface.	No
1c	Wetland-vegetation dominated by sedges, spikerushes, cinquefoil, and partial tree cover of alders	Drilling would occur at two locations within buffer, as close as approximately twenty-six (26) feet from ESHA 1c.	No impacts are expected. Work would be conducted from paved surface.	No
1d	Wetland-vegetation dominated by sedges, spikerushes, cinquefoil, and partial tree cover of alders	Drilling would occur at two locations within buffer, as close as approximately twenty-eight (28) feet from ESHA 1d.	No impacts are expected. Work would be conducted from paved surface.	No
1e	Wetland- vegetation dominated by alder trees and elderberry shrubs	Equipment staging would occur within the buffer.	No impacts are expected. No drilling would occur within one-hundred (100) feet. Equipment staging will occur in an existing paved/gravel pull out.	No
1f	Wetland	Work would occur over one-hundred (100) feet from ESHA 1f.	No impacts are expected.	Yes

1g	Stream- perennial stream, and forms a small lagoon in the project area. It may have potential to support Northern California steelhead, a federal Threatened fish.	Drilling would occur at two locations within buffer, as close as approximately thirty-eight (38) feet from ESHA 1g.	No impacts are expected. Work would be conducted from the paved surface.	No

Environmentally Sensitive Habitat Area Mapping



Mendocino Four Bridges
Geotechnical Drilling
Men-1-PM 48.05/62.12
Map Created by Sean Marquis, Caltrans on October 9, 2014
Revised on May 15, 2015
Map 1 of 11

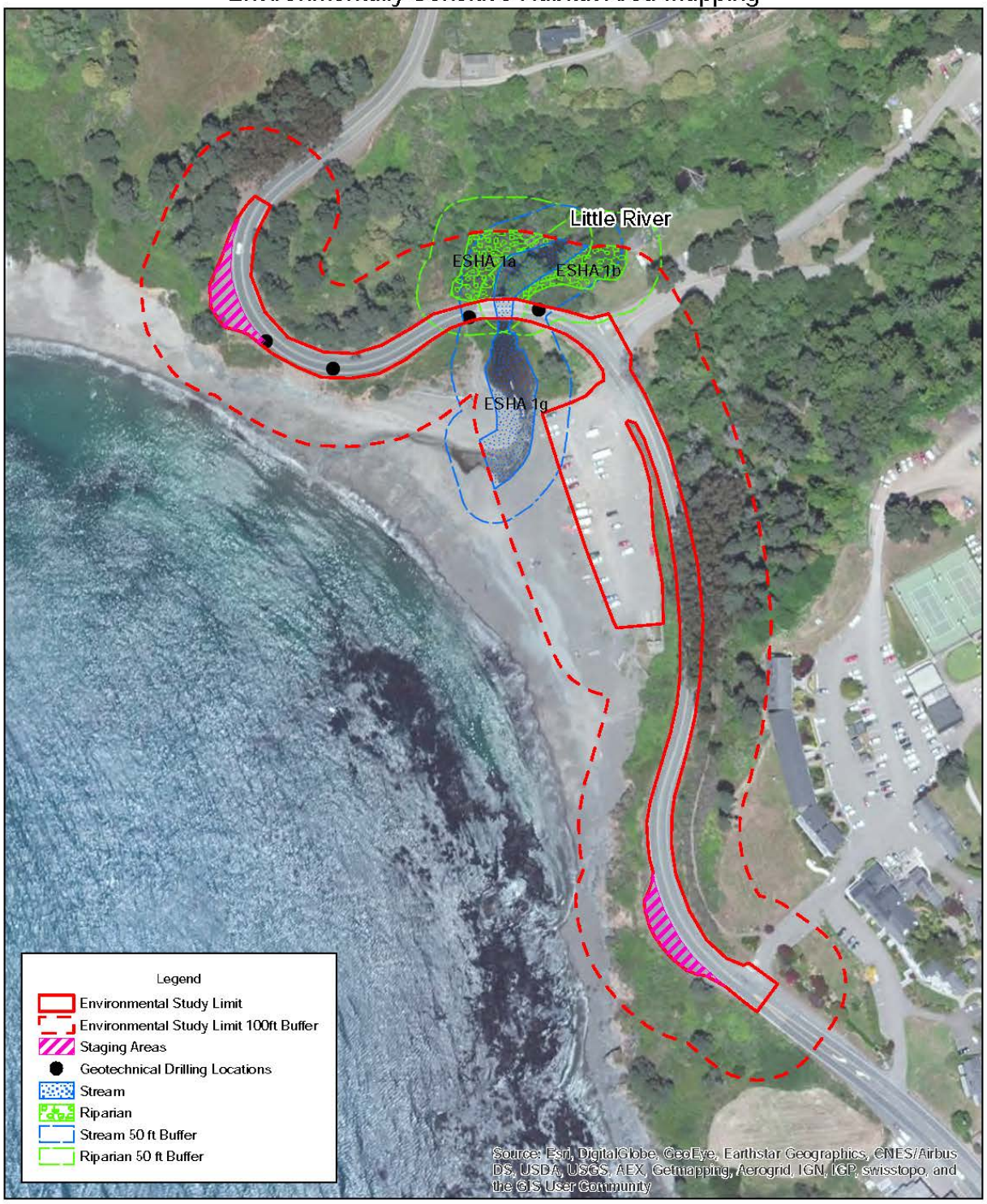
140 70 0 140 Feet

1 inch = 188 feet

N

Caltrans

Environmentally Sensitive Habitat Area Mapping



Mendocino Four Bridges
Geotechnical Drilling
Men-1-PM 48.05/62.12
Map Created by Sean Marquis, Caltrans on October 9, 2014
Revised on May 15, 2015
Map 2 of 11

140 70 0 140 Feet

1 inch = 188 feet

N

Caltrans

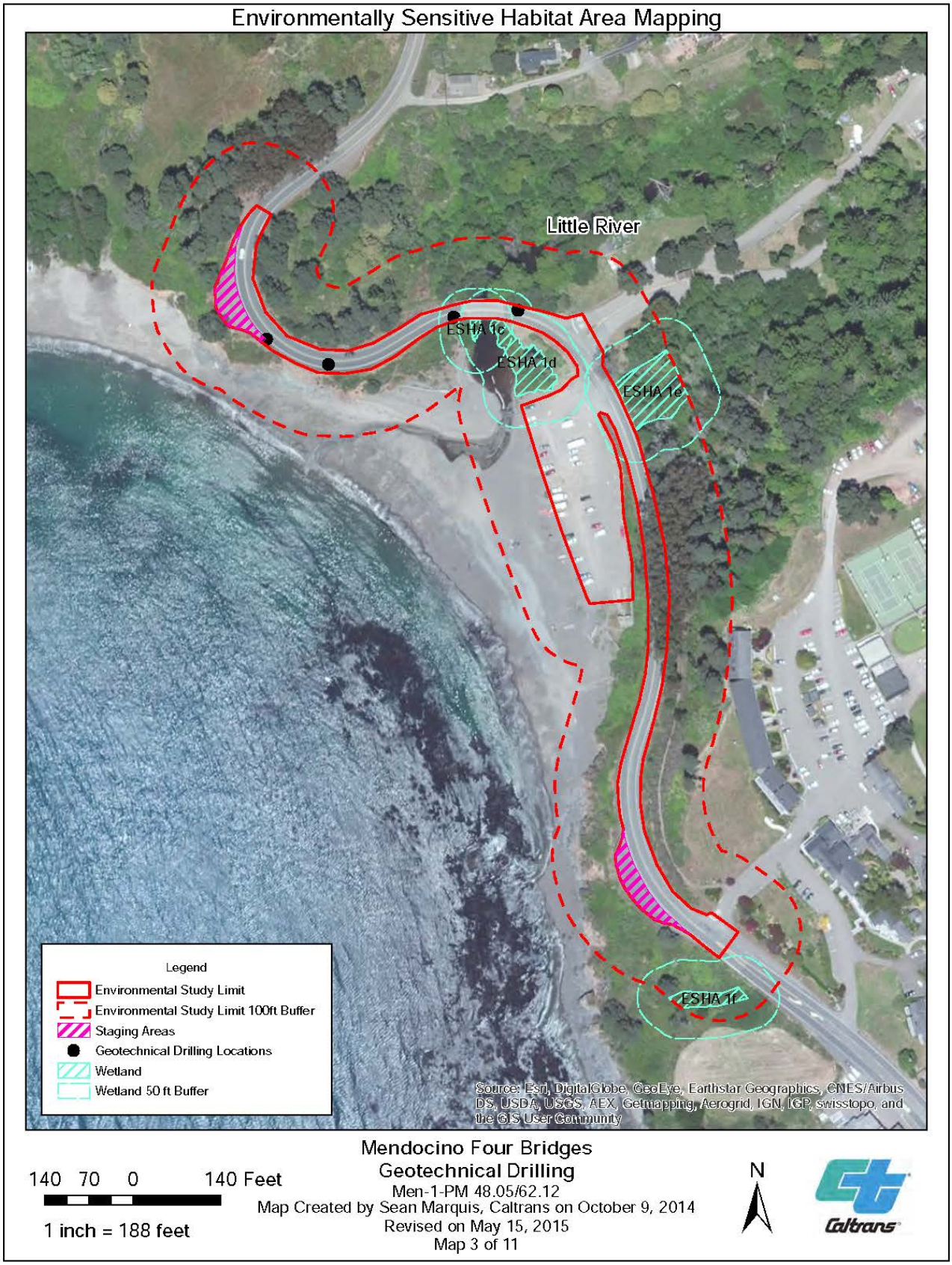
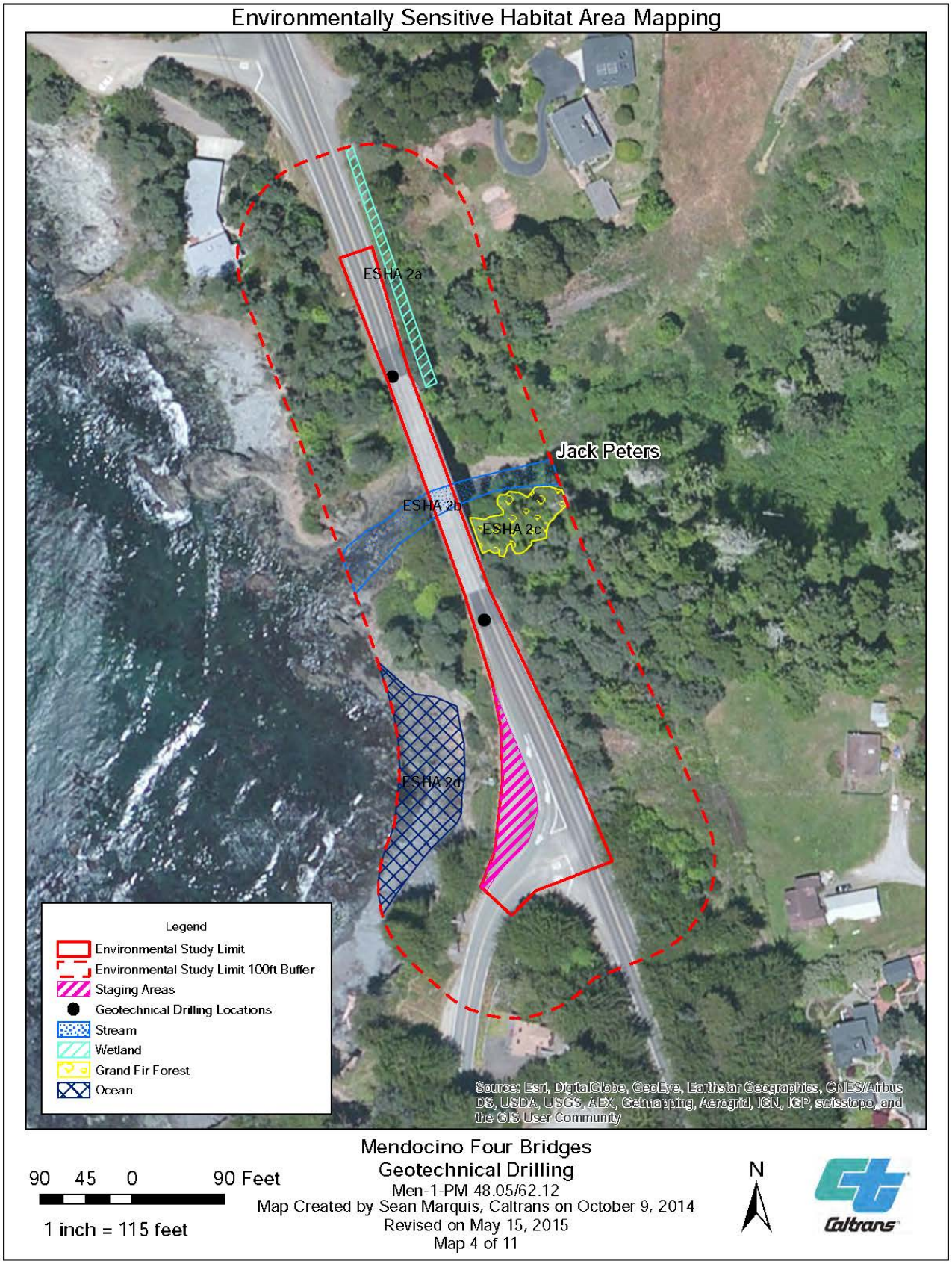
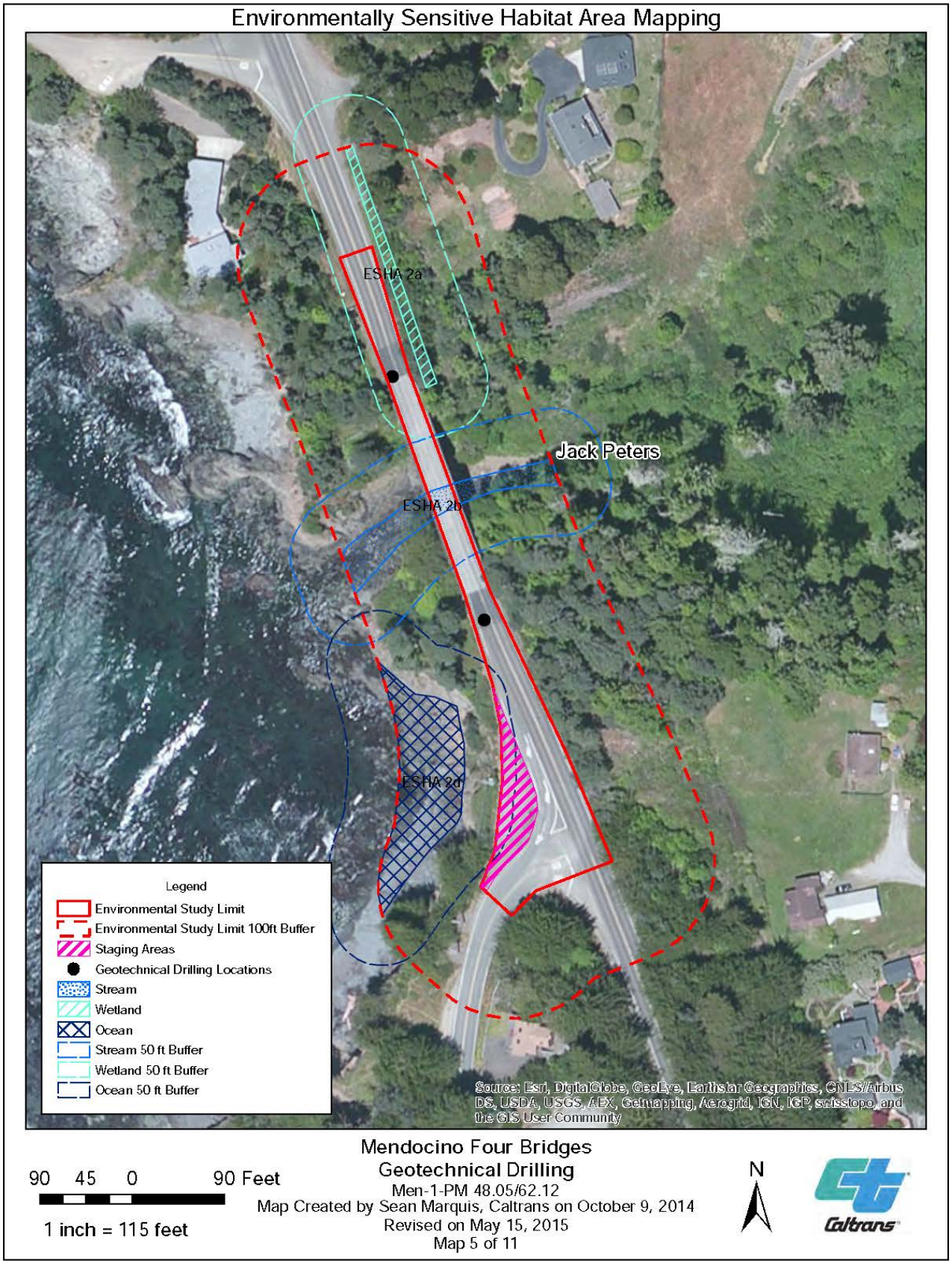

Environmentally Sensitive Habitat Area Mapping
Little River
ESHA 1c
ESHA 1d
ESHA 1e
ESHA 1f
Legend
Environmental Study Limit
Environmental Study Limit 100ft Buffer
Staging Areas
Geotechnical Drilling Locations
Wetland
Wetland 50 ft Buffer
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
140 70 0 140 Feet
1 inch = 188 feet
Mendocino Four Bridges
Geotechnical Drilling
Men-1-PM 48.05/62.12
Map Created by Sean Marquis, Caltrans on October 9, 2014
Revised on May 15, 2015
Map 3 of 11
N
Caltrans

Table 2. Summary Table- Jack Peters Bridge

ESHA	Type	Buffer	Potential Impacts	Consistent with required buffer distances contained in MCC Chapter 20.496
2a	Wetland- roadside ditch with vegetation dominated by sedges and pennyroyal	Drilling would occur at one location within buffer, as close as approximately twenty (20) feet from ESHA 2a.	No impacts are expected. Work would be conducted from paved surface.	No
2b	Stream- is the stream at Jack Peters Gulch. It is a perennial stream, and is tidally influenced in the project area. It may have potential to support Northern California steelhead, a federal Threatened fish.	Work would occur over 100 feet from ESHA 2b.	No impacts are expected.	Yes
2c	Grand Fir Forest- a natural community of concern.	Drilling would occur at one location within buffer, as close as approximately sixty (60) feet from ESHA 2c.	No impacts are expected. Work would be conducted from paved surface.	Yes
2d	Ocean- open coastal water.	Drilling would occur at one location within buffer, as close as approximately eighty (80) feet from ESHA 2d.	No impacts are expected. Work would be conducted from paved surface. Equipment staging would occur on an established gravel pull out adjacent to the work area. See maps below.	Yes


Environmentally Sensitive Habitat Area Mapping
ESHA 2a
Jack Peters
ESHA 2b
ESHA 2c
ESHA 2d
Legend
Environmental Study Limit
Environmental Study Limit 100ft Buffer
Staging Areas
Geotechnical Drilling Locations
Stream
Wetland
Grand Fir Forest
Ocean
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
Mendocino Four Bridges
Geotechnical Drilling
Men-1-PM 48.05/62.12
Map Created by Sean Marquis, Caltrans on October 9, 2014
Revised on May 15, 2015
Map 4 of 11
90 45 0 90 Feet
1 inch = 115 feet
N
Caltrans


Environmentally Sensitive Habitat Area Mapping
ESHA 2a
Jack Peters
ESHA 2b
ESHA 2d
Legend
Environmental Study Limit
Environmental Study Limit 100ft Buffer
Staging Areas
Geotechnical Drilling Locations
Stream
Wetland
Ocean
Stream 50 ft Buffer
Wetland 50 ft Buffer
Ocean 50 ft Buffer
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
90 45 0 90 Feet
1 inch = 115 feet
Mendocino Four Bridges
Geotechnical Drilling
Men-1-PM 48.05/62.12
Map Created by Sean Marquis, Caltrans on October 9, 2014
Revised on May 15, 2015
Map 5 of 11
N
Caltrans

Environmentally Sensitive Habitat Area Mapping

Mendocino Four Bridges
Geotechnical Drilling
Men-1-PM 48.05/62.12
Map Created by Sean Marquis, Caltrans on October 9, 2014
Revised on May 15, 2015
Map 6 of 11

90 45 0 90 Feet

1 inch = 115 feet

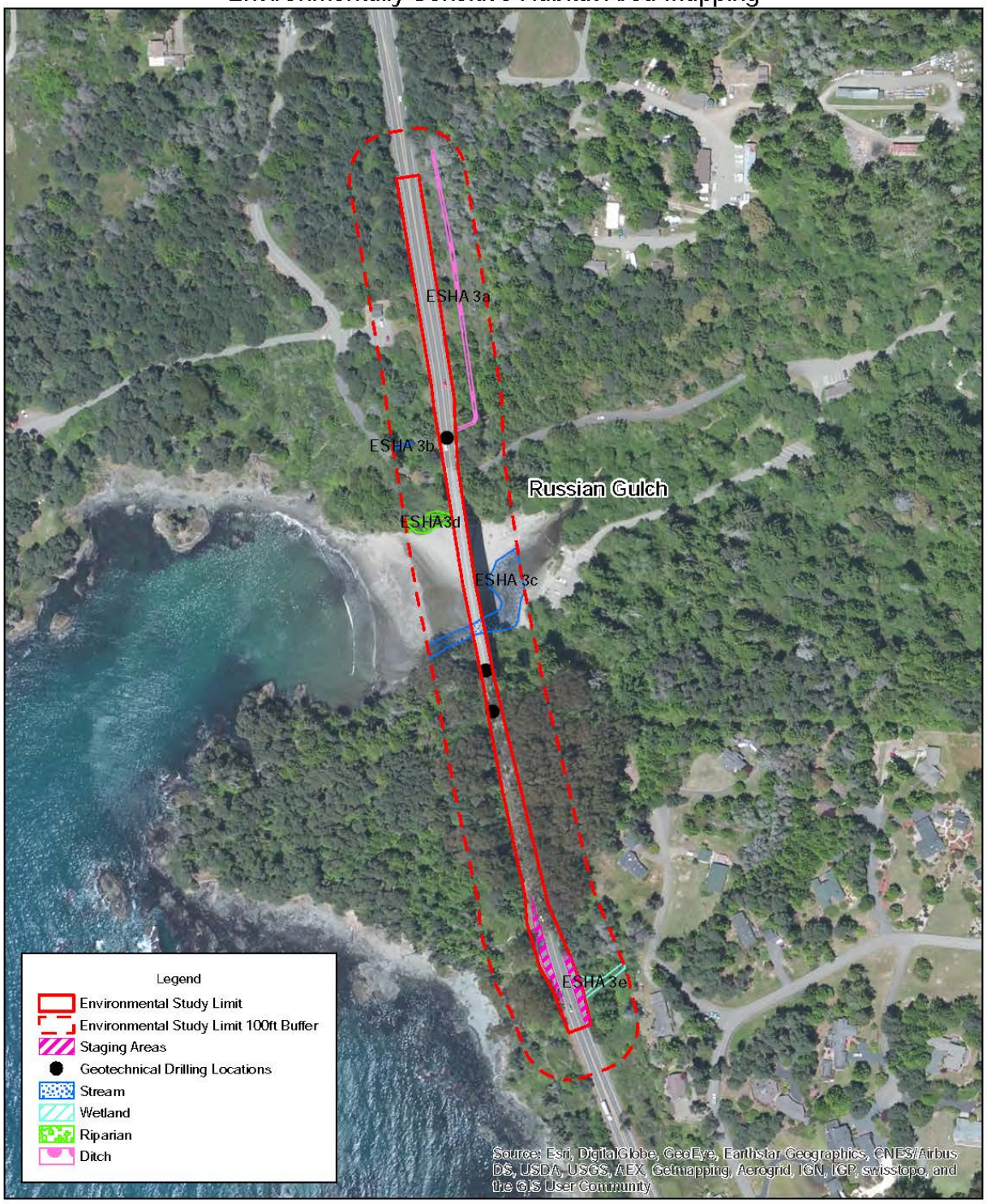
N

Caltrans

Table 3. Summary Table- Russian Gulch Bridge

ESHA	Type	Buffer	Potential Impacts	Consistent with required buffer distances contained in MCC Chapter 20.496
3a	Ditch	Drilling would occur at one location within buffer, as close as approximately twenty-two (22) feet from ESHA 3a.	No impacts are expected. Work would be conducted from either paved surface or disturbed road shoulder.	No
3b	Stream- ephemeral or intermittent drainage, conveys water received from ESHA 3a (ditch), as well as additional water collected on the roadway.	Drilling would occur at one location within buffer, as close as approximately sixty-five (65) feet from ESHA 3b.	No impacts are expected. Work would be conducted from paved surface or disturbed road shoulder.	Yes
3c	Stream- is Russian Creek, a perennial stream. It may have potential to support Northern California steelhead, a federal Threatened fish.	Drilling would occur at one location within buffer, as close as approximately seventy-seven (77) feet from ESHA 3c. This boring would be completed by drilling through the existing roadway surface and bridge deck reaching the ground surface beneath. The bridge surface will be penetrated, or cored with a concrete core to allow the drilling system to extend below the bridge to the native ground surface.	A small quantity of water (approximately 1 gallon) will reach ground surface below the bridge deck. The fluid will be captured by plastic sheeting placed on the ground surface and disposed. Five (5) inch steel casing is then emplaced through the cored bridge deck hole and seated into the ground by the crew below the bridge. A small containment trap will be hand dug to capture fluids generated and potentially released in subsequent drilling advancement. Capture basin will be lined with 6-mil plastic sheeting and monitored by the crew. BMPs will be in place to capture any releases. No impacts are expected. See **Condition 11**.	Yes
3d	Riparian- dominated by alder trees	Work would occur over one-hundred (100) feet from ESHA 3d.	No impacts are expected.	Yes
3e	Wetland- dominated by rushes and alder trees.	Equipment staging may occur within the buffer in existing paved turnouts and possibly adjacent compacted shoulder.	No impacts are expected.	Yes

Environmentally Sensitive Habitat Area Mapping



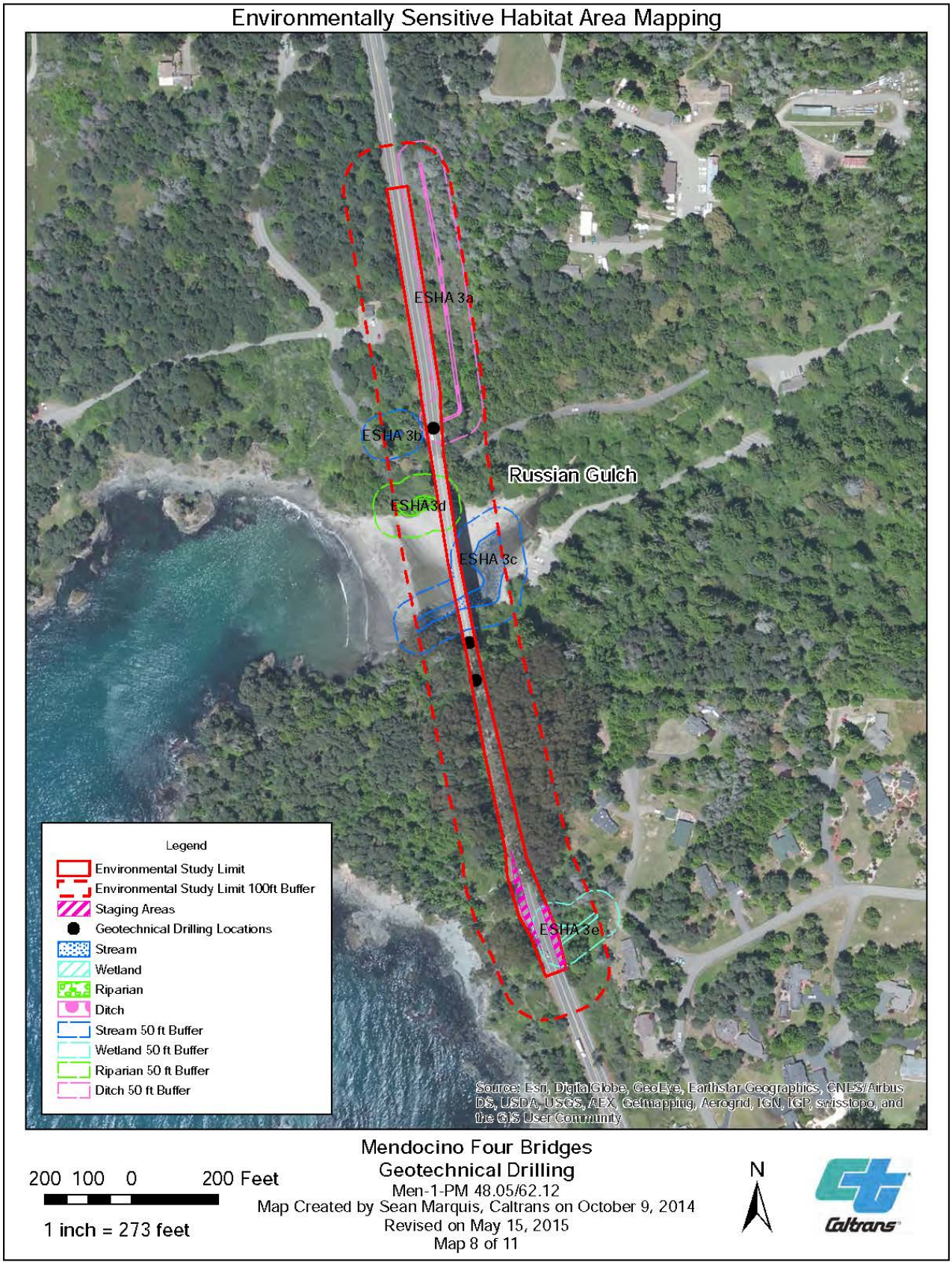
Mendocino Four Bridges
Geotechnical Drilling
Men-1-PM 48.05/62.12
Map Created by Sean Marquis, Caltrans on October 9, 2014
Revised on May 15, 2015
Map 7 of 11

200 100 0 200 Feet

1 inch = 273 feet

N

Caltrans



As demonstrated in Tables 1 through 3 above, the proposed geotechnical drilling will occur within fifty (50) feet of identified ESHA, which is not consistent with MCC Chapter 20.496. In order to permit development within the

buffer area supplemental findings must be made in conformance with MCC Section 20.532.100 (A)(1). Discussion of these findings is included at the end of this document. **Conditions 10 and 11** are recommended requiring all mitigations stated in the CEQA Categorical Exemption/Categorical Exclusion Determination form as enforceable conditions. With the included conditions of approval and supplemental findings the project is found consistent with policies related to protection of natural resources.

- **20.532.095(A)(2) The proposed development will be provided with adequate utilities, access roads, drainage and other necessary facilities.**

  ☒ *Consistent (with conditions of approval)*

  Utilities: No structures are proposed with this application that would require connection to utilities; therefore, the project is provided with adequate utilities.

  Access Roads**:** The proposed project will take place within the Highway 1 right-of-way and no additional access is required or proposed. The project is therefore provided with adequate access roads.

  Drainage: Drainage is subject to MCC Section 20.492.025, and provides regulations mitigating the impact of stormwater runoff and erosion. A Water Pollution Control Plan shall be prepared by a qualified professional when the project is listed for bidding by Caltrans. The preparation of a Water Pollution Control Plan is recommended as **Condition 10** and further measures to protect nearby ESHA are recommended as **Condition 11**. Therefore, with the addition of the recommended condition, the project is found to be in compliance with drainage requirements contained in the code.

- **20.532.095(A)(3) The proposed development is consistent with the purpose and intent of the zoning district applicable to the property, as well as the provisions of this Division and preserves the integrity of the zoning district.**

  ☒ *Not applicable*

  The proposal is to conduct geotechnical drilling within Highway 1 right-of-way. Public roads are outside the boundaries of zoning districts, because district designations are assigned to parcels. All of the proposed work will take place within the right-of-way and outside the boundaries of any zoning district.

- **20.532.095(A)(4) The proposed development will not have any significant adverse impacts on the environment within the meaning of the California Environmental Quality Act.**

  ☒ *Consistent (without conditions of approval)*

  The proposed project is Categorically Exempt from the provisions of CEQA, pursuant to Class 6 of Article 19 of the California Environmental Quality Act Guidelines. The Class 6 exemption finds that “basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource”, meeting the criteria of Section 15306, has “been determined not to have a significant effect on the environment and which shall, therefore, be exempt from the provisions of CEQA.”

  The proposed development meets the criteria of Section 15306, and therefore will not have any significant adverse impacts on the environment within the meaning of the California Environmental Quality Act. Caltrans has prepared a Categorical Exemption/Categorical Exclusion Determination Form for the project.

- **20.532.095(A)(5) The proposed development will not have any adverse impacts on any known archaeological or paleontological resource.**

  ☒ *Consistent (with conditions of approval)*

  The applicant submitted Archaeological Resources documentation with their Coastal Development Permit application. The project was heard by the Mendocino County Archaeological Commission hearing August 12, 2015, where they accepted the archaeological survey but also recommended that an Archaeological Monitor be on-site during all earth moving activities related to the project. The applicant is still advised of the Mendocino

County Archaeological Resources Ordinance, and specifically Section 22.12, commonly referred to as the "Discovery Clause." Conditions 8 and 9 are recommended to provide for the protection of unrecorded archaeological sites.

> **Condition 8:** If any archaeological sites or artifacts are discovered during site excavation or construction activities, the applicant shall cease and desist from all further excavation and disturbances within one hundred (100) feet of the discovery, and make notification of the discovery to the Director of the Department of Planning and Building Services. The Director will coordinate further actions for the protection of the archaeological resource(s) in accordance with Section 22.12.090 of the Mendocino County Code.
>
> **Condition 9:** During all ground disturbing activities related to the project an Archaeological Monitor shall be on-site.

- **20.532.095(A)(6) Other public services, including but not limited to, solid waste and public roadway capacity have been considered and are adequate to serve the proposed development.**

☒ *Consistent (without conditions of approval)*

Solid Waste: The proposed project is to conduct geotechnical drilling at three bridge locations; as such, the demand for solid waste service would be limited to the period of construction and will be managed by the contractor.

Roadway Capacity: The 2014 Traffic Volumes Book, produced by Caltrans, provides traffic volume data relating to State roadways. The subject project is located between PM 48.05 and 52.64, near the towns of Little River and Mendocino. There are several data breakpoints nearby to the post mile locations, as follows:

- PM 47.5 near Little River Airport Road the total peak hour traffic volume north of this point is 720 trips.
- PM 50.04 near Comptche Ukiah Road the total peak hour traffic volume north of this point is 820 trips.
- PM 51.49 near Lansing Street the total peak hour traffic volume north of this point is 1550 trips.
- PM 55.78 near the northern limits of Caspar the total peak hour traffic volume south of this point is 1350 trips.

The 2003 Route Concept Report for the Route 1 Corridor, produced by Caltrans, provides a description of the Department's conceptual improvement options for a given transportation route or corridor. The report considers reasonable financial constraints and projected travel demand over a 20-year planning period. The proposed project area is considered segment 3 in this report (PM 48.0-59.7). In 2000 segment 3 was at a Level of Service E. A Level of Service E is defined in the Route Concept Report as "unstable traffic flow with rapidly fluctuating speeds and flow rates. Short headways, low maneuverability and low driver comfort and convenience." Segment 3 is projected to remain at a Level of Service E by the year 2020.

The proposed project will not have an impact on the number of trips generated, but will impact circulation by reducing traffic to one-way controlled traffic during the geotechnical borings, likely resulting in increased congestion in the area. Traffic related impacts would be of short duration and are necessary to allow crews to safely perform the necessary data collection at each location.

- **20.532.095(B)(1) The proposed development is in conformity with the public access and public recreation policies of Chapter 3 of the California Coastal Act and the Coastal Element of the General Plan.**

☒ *Not Applicable*

The proposed development is located on the first public road and is not designated as a potential public access trail on the certified Local Coastal Program maps (maps #15 and #17), making the subject finding not applicable to this project. Public access exists adjacent to all bridges, but a sufficient distance that the proposed work will have no impact on public access.

20.532.100 (A) Resource Protection Impact Findings	Inconsistent	Consistent (With Conditions of Approval)	Consistent (Without Conditions of Approval)	Not Applicable
(1) Development in Environmentally Sensitive Habitat Areas. No development shall be allowed in an ESHA unless the following findings are made:				
(a) The resource as identified will not be significantly degraded by the proposed development.	☐	☒	☐	☐
(b) There is no feasible less environmentally damaging alternative.	☐	☒	☐	☐
(c) All feasible mitigation measures capable of reducing or eliminating project related impacts have been adopted.	☐	☒	☐	☐

Discussion of Findings

- **20.532.100(A)(1), et. seq. No development shall be allowed in an ESHA unless the following findings are made…**

☒ *Consistent (with conditions of approval)*

Caltrans prepared a Natural Environment Study in October 2014 and additionally prepared a Botanical/ESHA Assessment and Reduced Buffer Analysis in October 2014 to identify any environmentally sensitive habitat areas (ESHA) within the project area. Four (4) streams were identified within the one-hundred (100) foot Environmental Study Limits (ESL). Three (3) perennial drainages: Little River, Jack Peters Creek, and Russian Creek, and one was an ephemeral drainage. Six (6) wetlands were identified within the ESL, some were three-parameter wetlands (U.S. Army Corps of Engineers), and some were one-parameter wetlands (Coastal Act). Three (3) riparian areas were identified in the ESL and are associated with the perennial drainages. One (1) ditch, a small stretch of Pacific Ocean, and a stand of grand fir forest were also found within the projects ESL.

Mendocino County Code requires that all proposed improvements be located a minimum one-hundred (100) feet from all sensitive habitats, unless a qualified biologist prepares a Reduced Buffer Analysis to reduce the buffer to fifty (50) feet. A Reduced Buffer Analysis was prepared for the project and agreed upon by California Department of Fish and Wildlife. Still, construction related activities will be located within fifty (50) feet of several identified ESHA. Tables 1 through 3 (provided earlier in this document) discuss the various ESHA, associated buffers, and potential impacts. Please note that ESHAs identified in Table 1 represent those found at the Little River Bridge site, ESHAs identified in Table 2 represent those found at the Jack Peters Bridge site, and ESHAs identified in Table 3 represent those found at the Russian Gulch Bridge site.

Required buffer distances cannot be maintained from identified wetland and riparian features. Public services, such as roadway and trial crossings, are permissible within wetland and riparian ESHA per MCC Sections 20.496.025(A)(7) and 20.496.035(A)(2). The proposed geotechnical borings are needed in order to aid future bridge foundation design for the widening and rail upgrade of the three bridges. The selected boring locations avoid impacts to ESHA to the greatest extent feasible, while still accomplishing the purpose of the project to collect subsurface geotechnical data at the three bridge locations. All feasible mitigation measures are required as conditions of approval (**Conditions 10 and 11**) to reduce project impacts to a less than significant level. The proposed project is therefore consistent with Mendocino County Code regulations for the protection of natural resources.

References:

Chapter 2.2. Mendocino County, Planning and Building Services, Planning Division. *The County of Mendocino-General Plan.* 1991. Ukiah, CA.

Chapter 2 Mendocino County, Planning and Building Services, Planning Division. *The County of Mendocino-Coastal Element.* 1985. Ukiah, CA.

Geology and Geomorphic Features Related to Landsliding [map]. 1984. Mendocino 7.5' Quadrangle, Department of Conservation, Division of Mines and Geology.

Sean Marquis, Jennifer Osmondson, Adele Pommerenck. *Natural Environment Study (Minimal Impacts).* October 2014. California Department of Transportation.

Sean Marquis, Dotrik Wilson, and Adele Pommerenck. *Botanical/ESHA Assessment and Reduced Buffer Analysis for the Mendocino Four Bridges Geotechnical Investigation, State Route 1, Post Miles 48.05 to 62.12 in Mendocino County, EA 01-43480.* October 2014. California Department of Transportation.

State of California Special Studies Zones, Department of Conservation, Division of Mines and Geology.

ATTACHMENT B

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

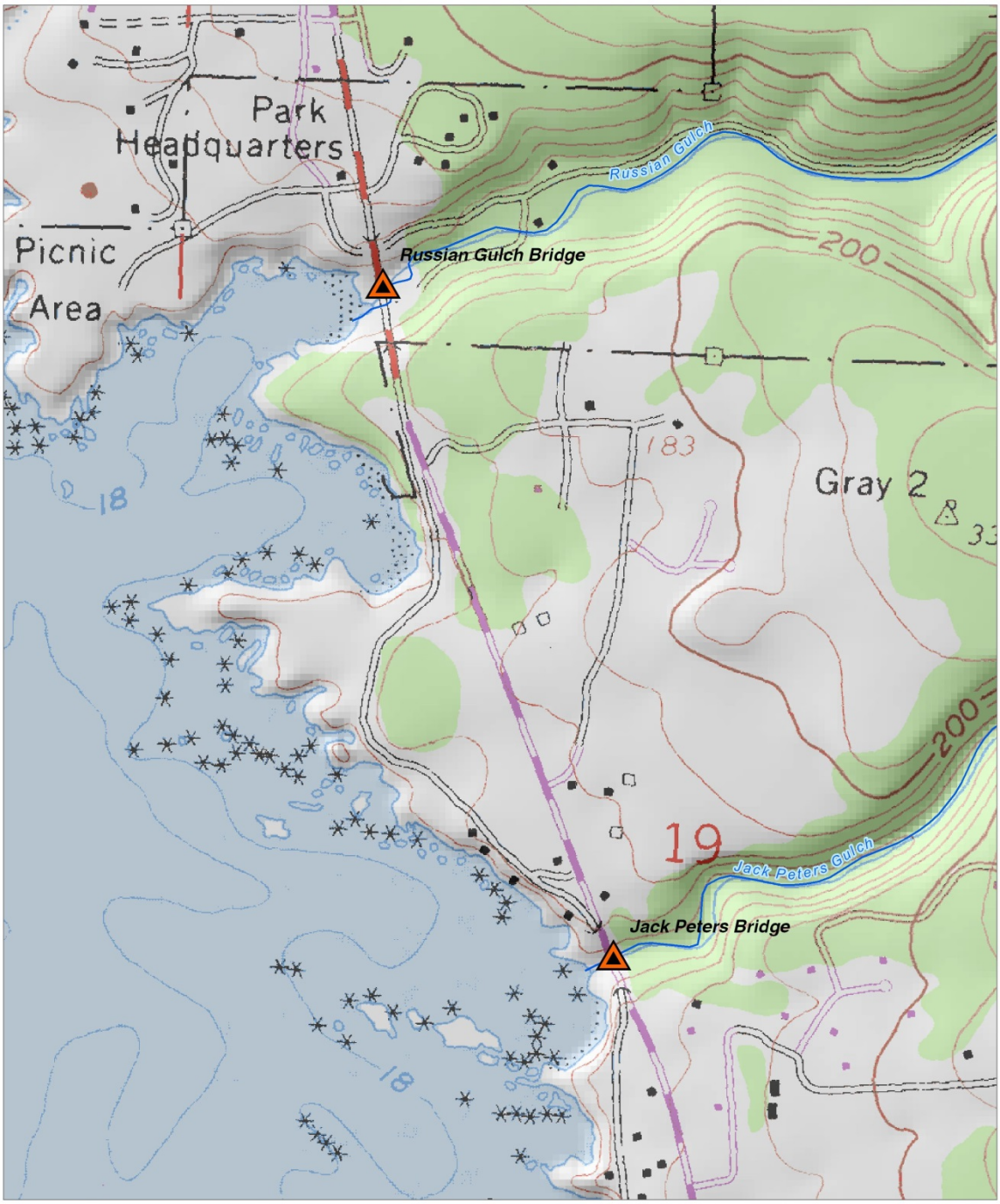
Major Towns & Places
Major Roads
Major Rivers
Highways

0 2,600 5,200 Feet
0 0.5 1 Miles
1:63,360

PROJECT LOCATIONS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT C



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

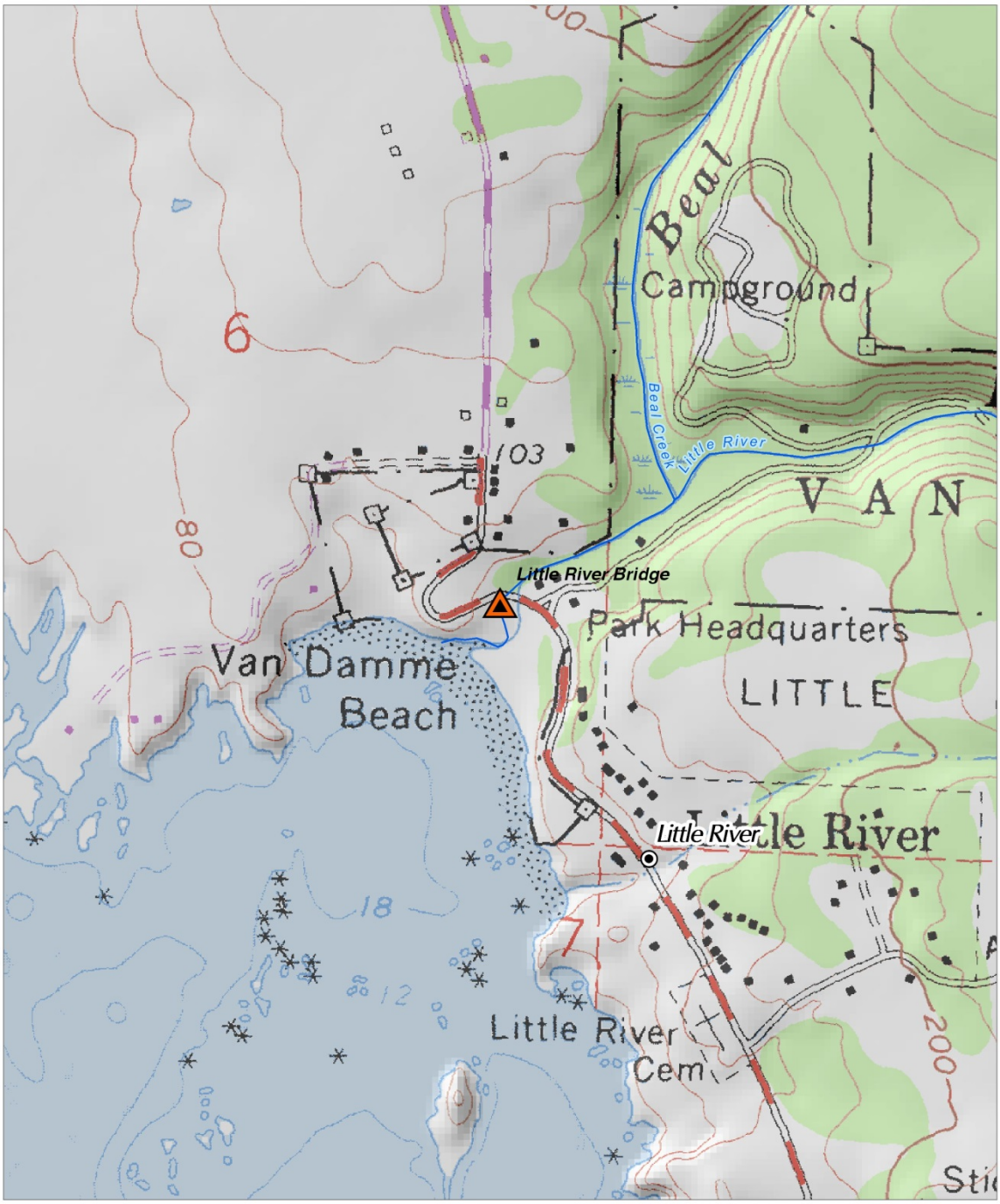
Bridge Locations
Named Rivers

0 335 670 Feet
0 0.05 0.1 Miles
1:8,000

TOPOGRAPHIC MAP
CONTOUR INTERVAL IS 40 FEET

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT D



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations

Named Rivers

0 335 670 Feet

0 0.05 0.1 Miles

1:8,000

TOPOGRAPHIC MAP
CONTOUR INTERVAL IS 40 FEET

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT E

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

GOOGLE EARTH IMAGERY
IMAGERY DATE: 8-17-2013

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT F

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

GOOGLE EARTH IMAGERY
IMAGERY DATE: 8-17-2013

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT G

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

GOOGLE EARTH IMAGERY
IMAGERY DATE: 8-17-2013

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT H

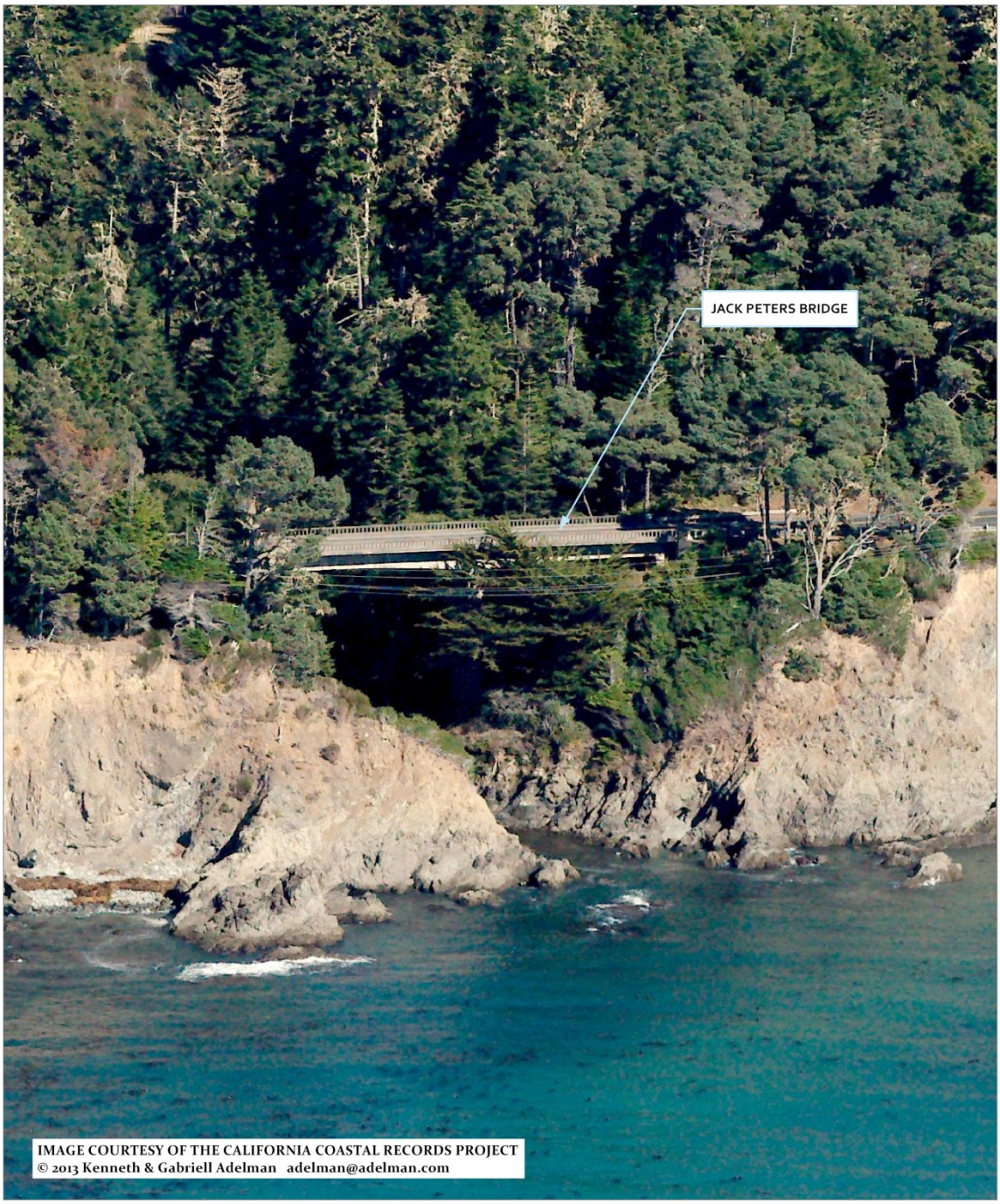
CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

CALIFORNIA COASTAL RECORDS PROJECT

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT I



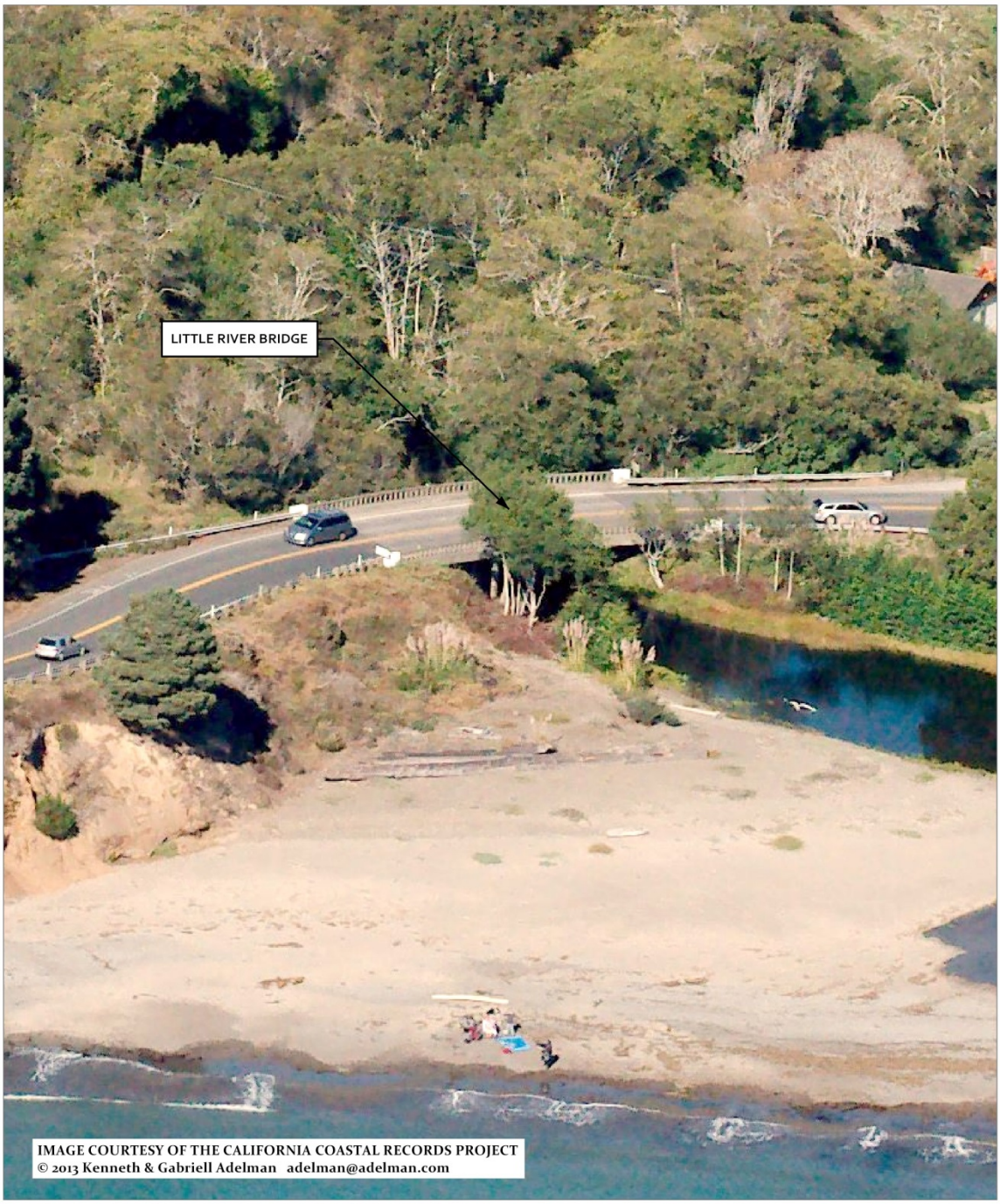
CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

CALIFORNIA COASTAL RECORDS PROJECT

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT J



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

CALIFORNIA COASTAL RECORDS PROJECT

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT K

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT L

Caltrans
OGD-N
Drilling Plan

Russian Gulch Bridge
Br. No. 10-0151
9/18/13

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT M

Caltrans
OGD-N
Drilling Plan

Russian Gulch Bridge
Br. No. 10-0151
9/18/13

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

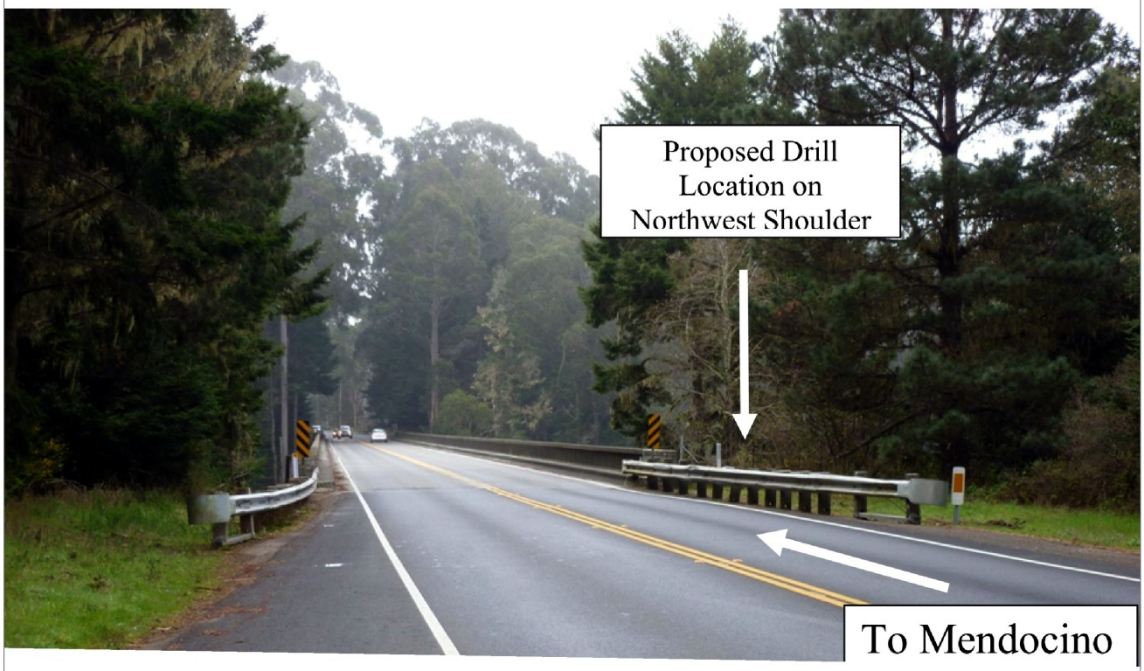
PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT N

Caltrans
OGD-N
Drilling Plan

Russian Gulch Bridge
Br. No. 10-0151
9/18/13



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

Caltrans
OGD-N
Drilling Plan

Russian Gulch Bridge
Br. No. 10-0151
9/18/13

Plate 6: Russian Gulch Bridge (Br. No. 10-0151) - Looking South
Proposed Boring Location No. 3

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

ATTACHMENT P

Caltrans
OGD-N
Drilling Plan

Russian Gulch Bridge
Br. No. 10-0151
9/18/13

Plate 4: Russian Gulch Bridge (Br. No. 10-0151) - Looking South
Proposed Boring Location No. 2 on South End of Bridge

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

Plate 1 – Proposed Boring Locations for the Jack Peter Creek Bridge Project (Br. No. 10-0150)

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT R

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BOREHOLES for the SIDEHILL VIADUCT

Map produced by the Mendocino County Planning & Building Services, October, 2015
All spatial data is approximate. Map provided without warranty of any kind.

Caltrans
OGD-N
Drilling Plan

Jack Peters Creek Bridge
Br. No. 10-0150
9/18/13

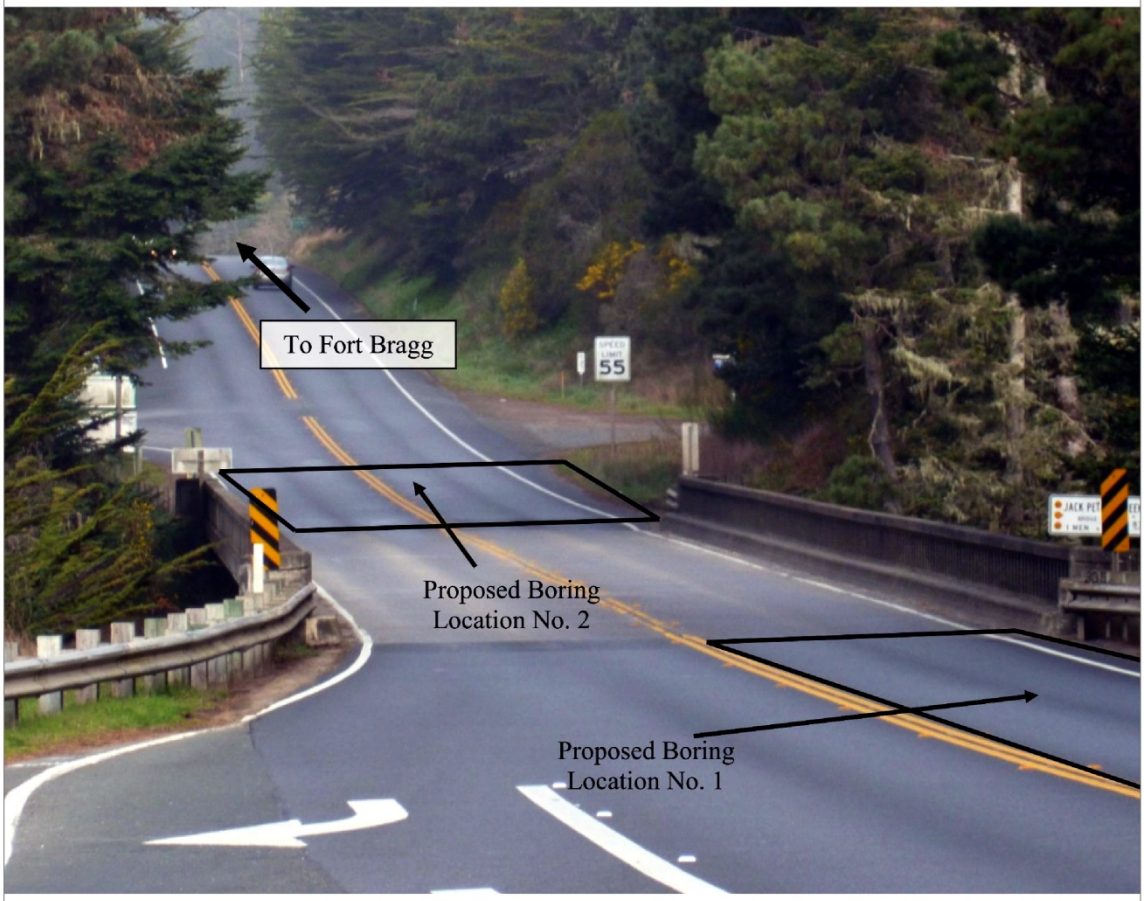


Plate 2: Jack Peters Creek Bridge (Br. No. 10-0150) - Looking North

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

Plate 1 – Proposed Boring Locations for the Little River Bridge Project (Br. No. 10-0178)

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT U

Plate 2 – Proposed Boring Locations for the Little River Bridge Project (Br. No. 10-0178)

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

Caltrans
OGD-N
Drilling Plan

Little River Bridge
Br. No. 10-0178
9/18/13

Plate 3: Little River Bridge (Br. No. 10-0178) - Looking West
Proposed Boring Location No. 1

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Caltrans
OGD-N
Drilling Plan

Little River Bridge
Br. No. 10-0178
9/18/13

Plate 4: Little River Bridge (Br. No. 10-0178) - Looking East
Proposed Boring Location No. 2

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

ATTACHMENT X

Caltrans
OGD-N
Drilling Plan

Little River Bridge
Br. No. 10-0178
9/18/13

Plate 5: Proposed Retaining Wall Location North of Little River Bridge
Looking East
Proposed Boring Location No's. 3 and 4

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

Caltrans
OGD-N
Drilling Plan

Little River Bridge
Br. No. 10-0178
9/18/13

Plate 6: Proposed Retaining Wall Location North of Little River Bridge
Looking North
Proposed Boring Location No's. 3 and 4

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

NO SCALE

PROPOSED BORING LOCATIONS

Map produced by the Mendocino County Planning & Building Services, August, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT Z

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

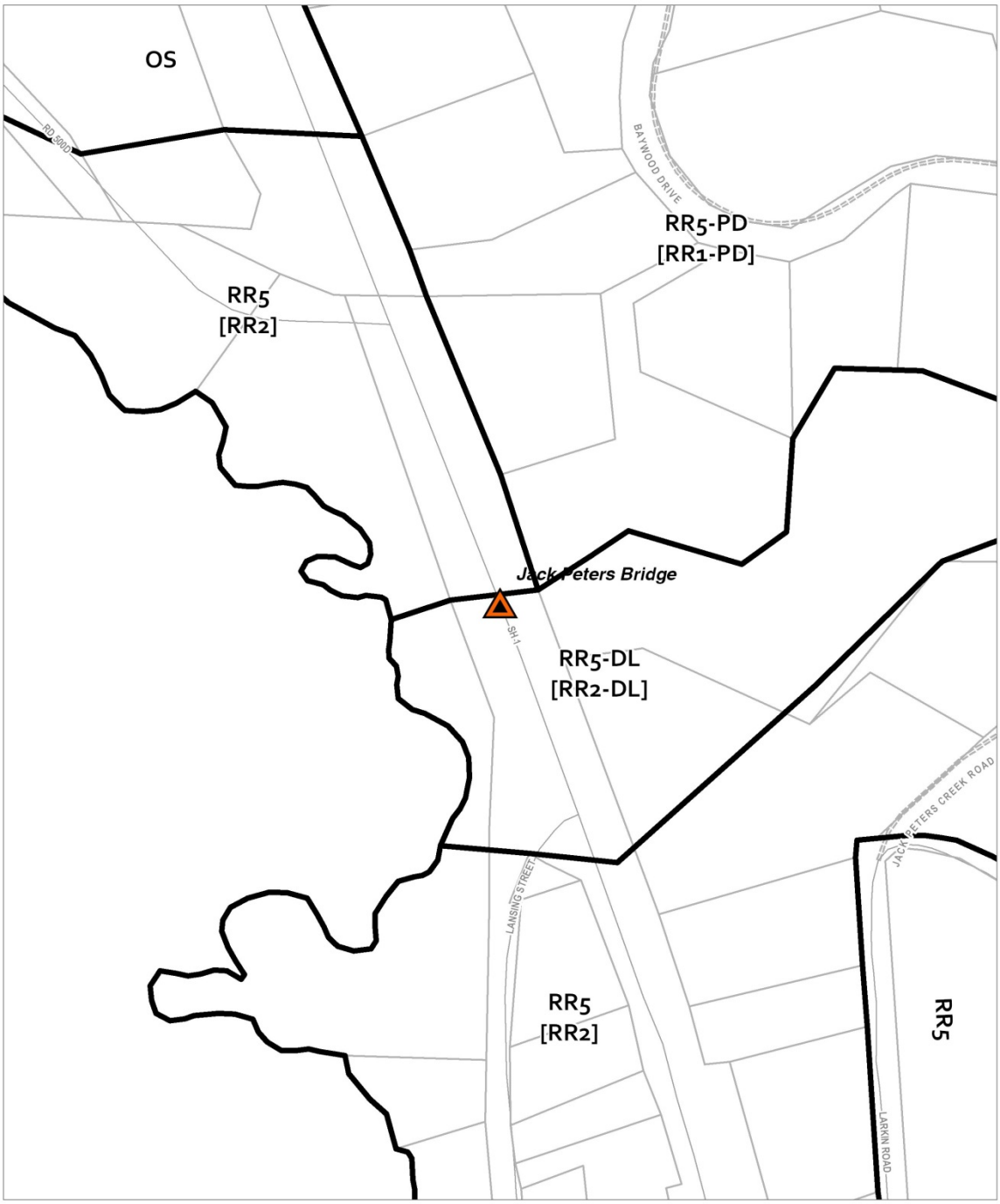
Bridge Locations
Zoning Master

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

ZONING DISPLAY MAP

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT AA



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

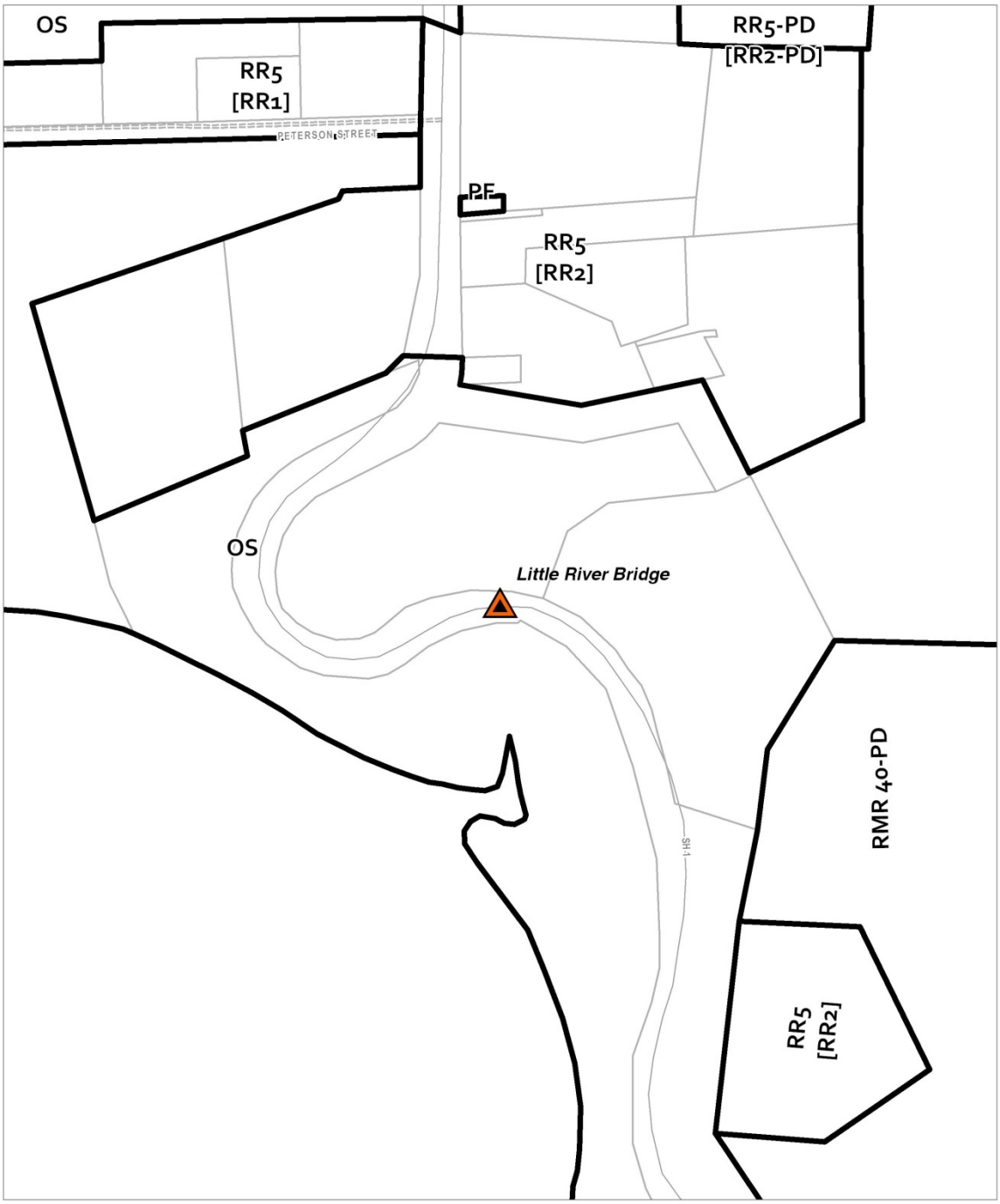
Bridge Locations
Zoning Master

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

ZONING DISPLAY MAP

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT BB



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations
Zoning Master

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

ZONING DISPLAY MAP

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT CC

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

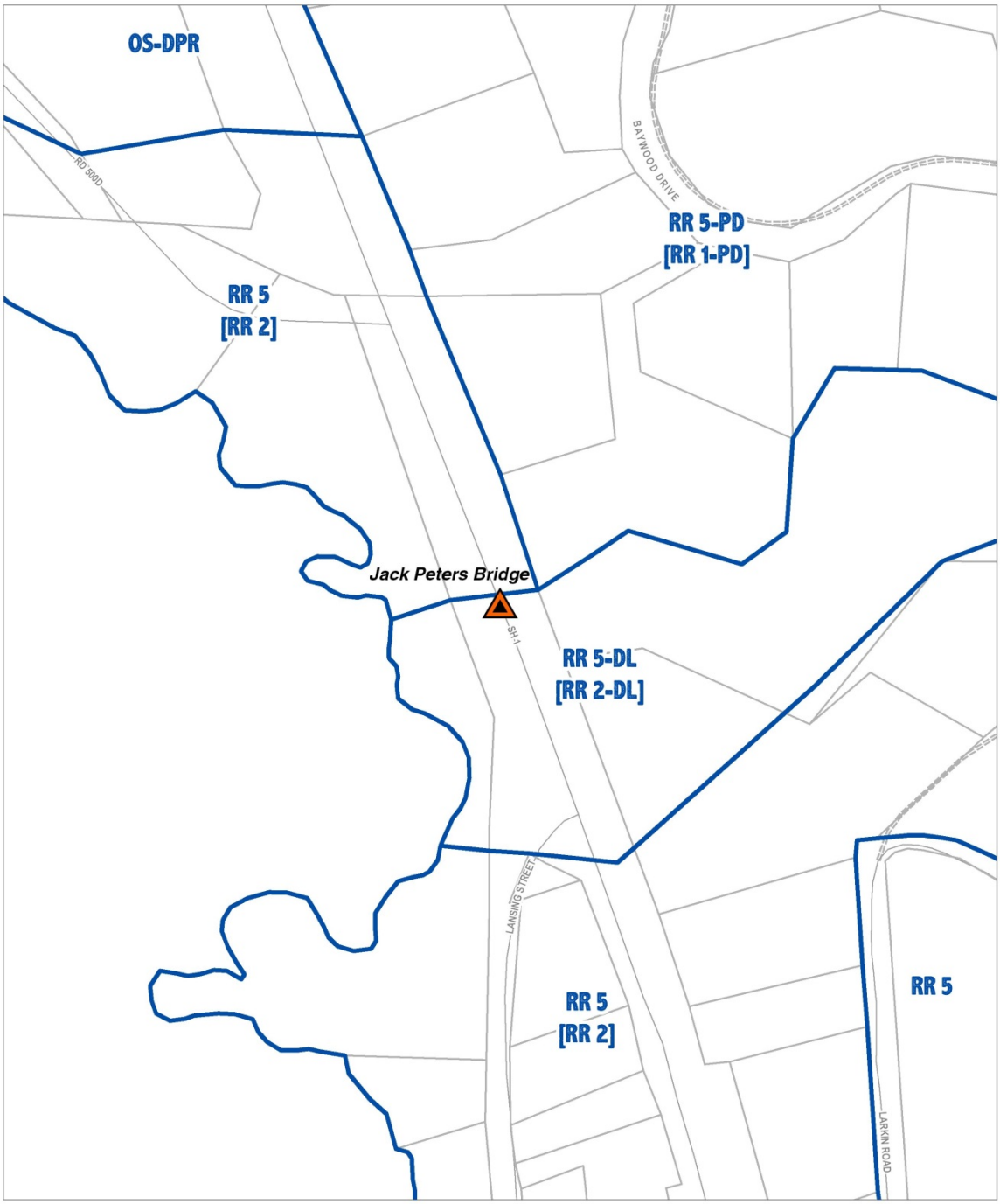
Bridge Locations
General Plan Master

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

GENERAL PLAN CLASSIFICATIONS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT DD



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

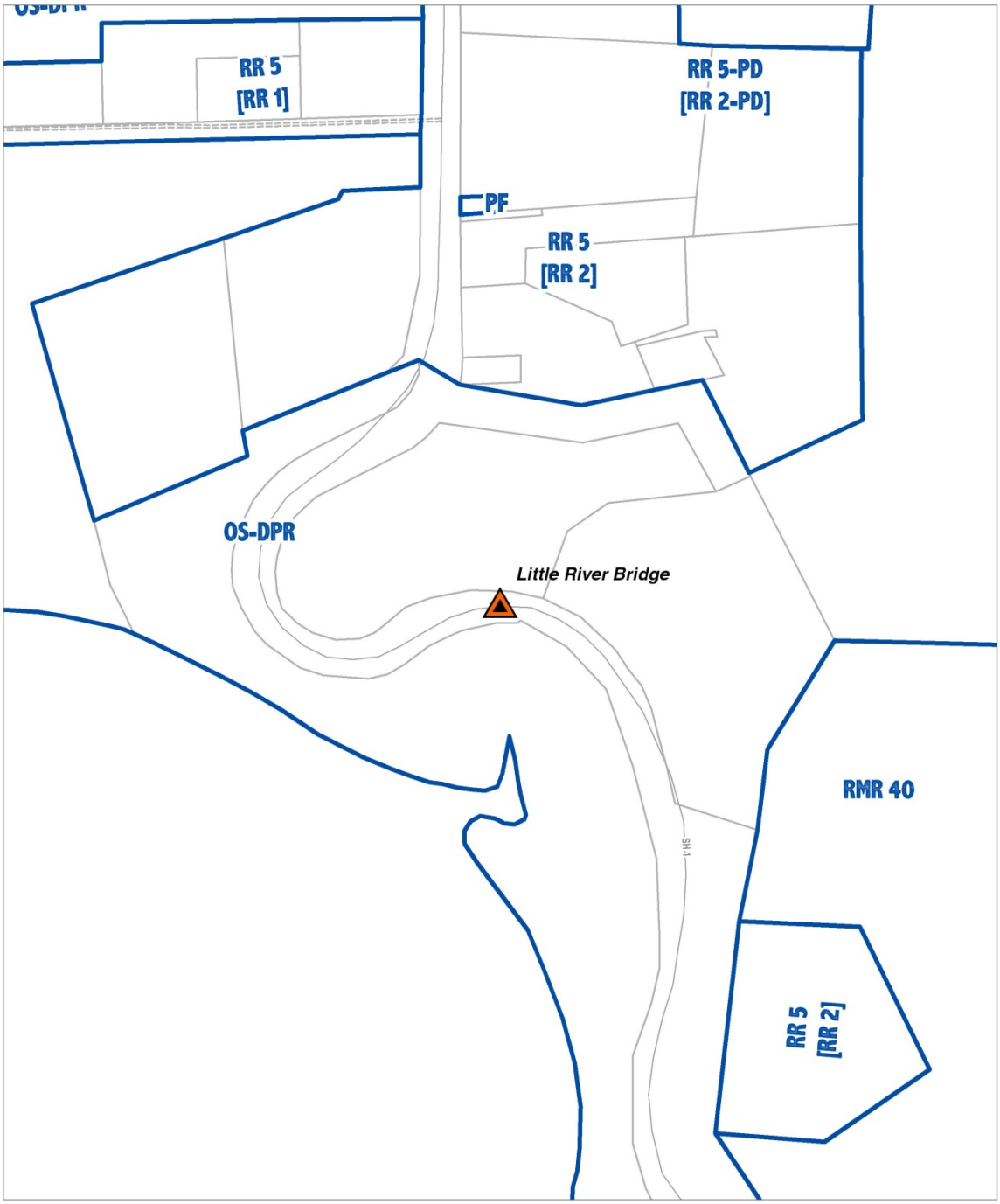
Bridge Locations
General Plan Master

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

GENERAL PLAN CLASSIFICATIONS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT EE



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

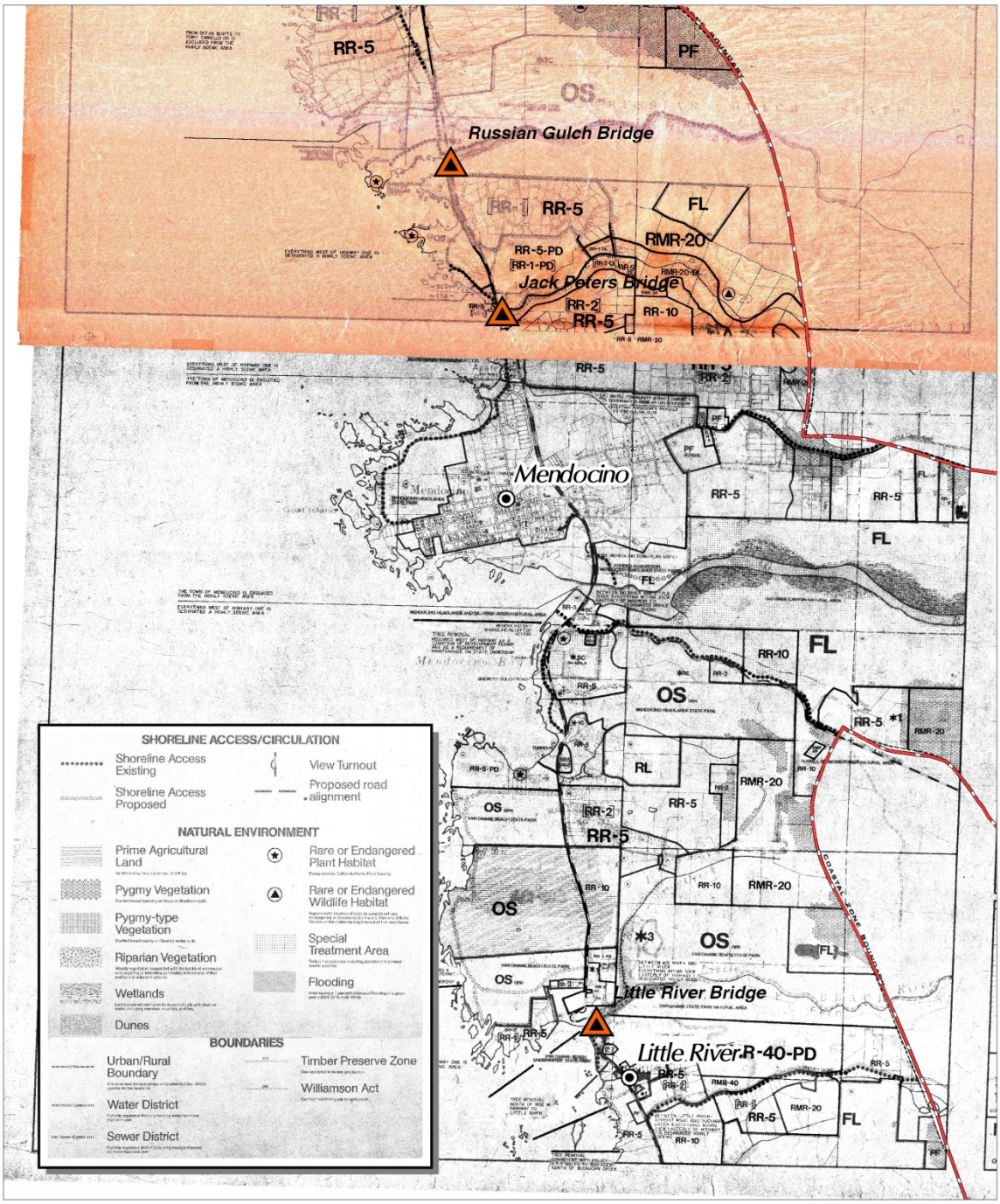
Bridge Locations
General Plan Master

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

GENERAL PLAN CLASSIFICATIONS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT FF



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations

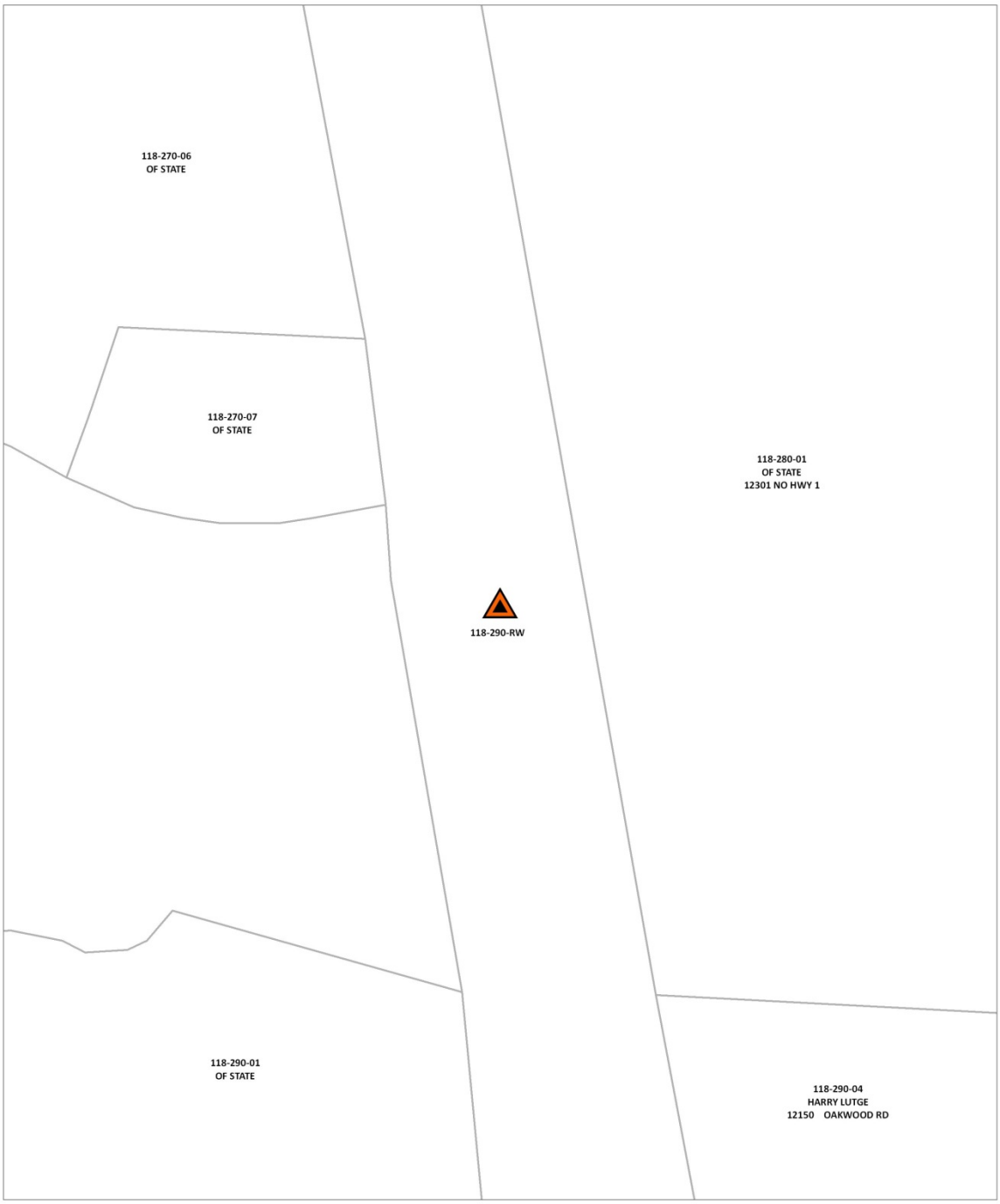
Coastal Zone Boundary Line

0 1,450 2,900 Feet
0 0.275 0.55 Miles
1:36,000

LCP MAPS 15 & 17

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT GG



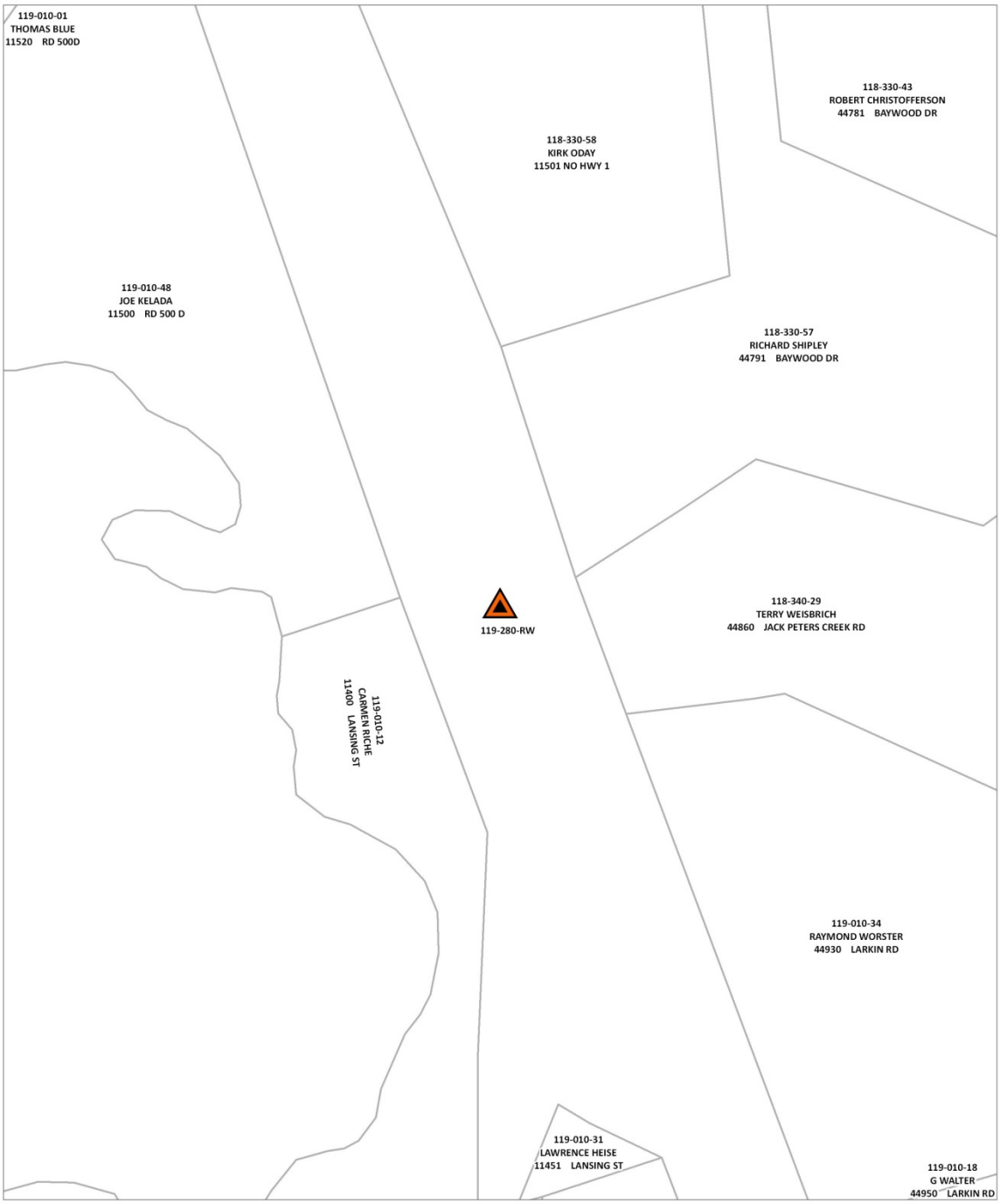
CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

0 50 100 Feet
0 0.0075 0.015 Miles
1:1,200

ADJACENT PARCELS (RUSSIAN GULCH)

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT HH



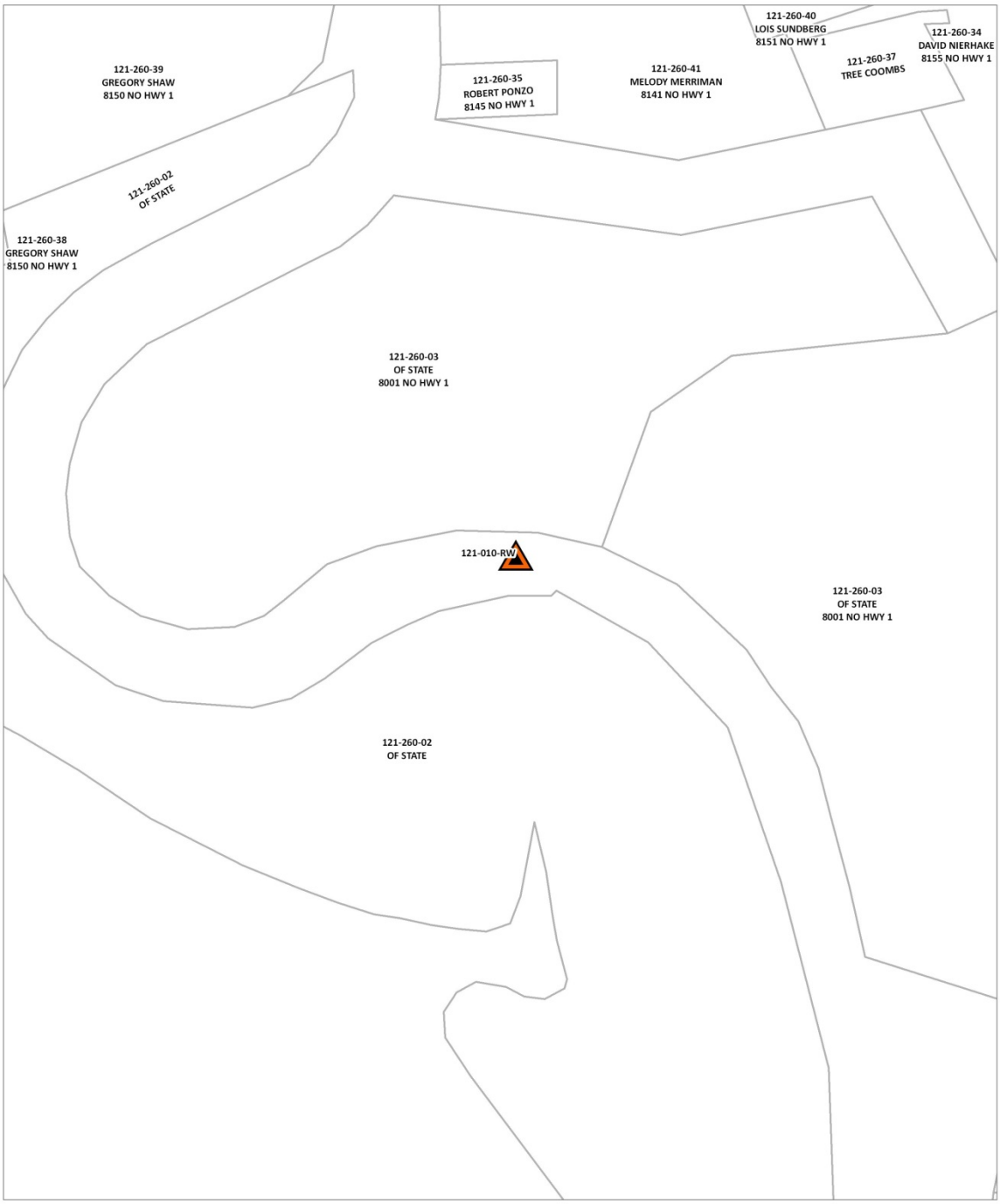
CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

0 50 100 Feet
0 0.0075 0.015 Miles
1:1,200

ADJACENT PARCELS (JACK PETERS)

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT II



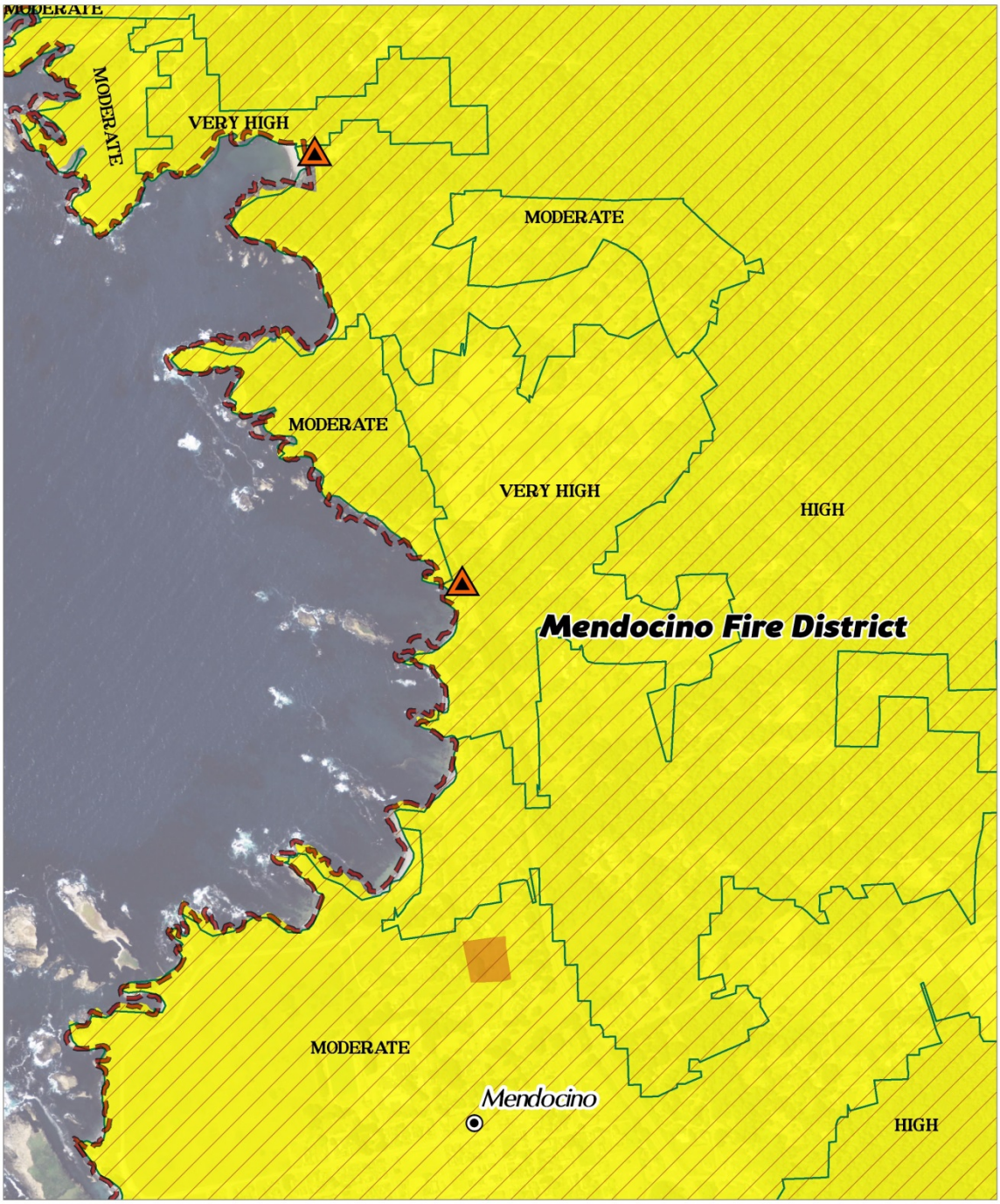
CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

0 50 100 Feet
0 0.0075 0.015 Miles
1:1,200

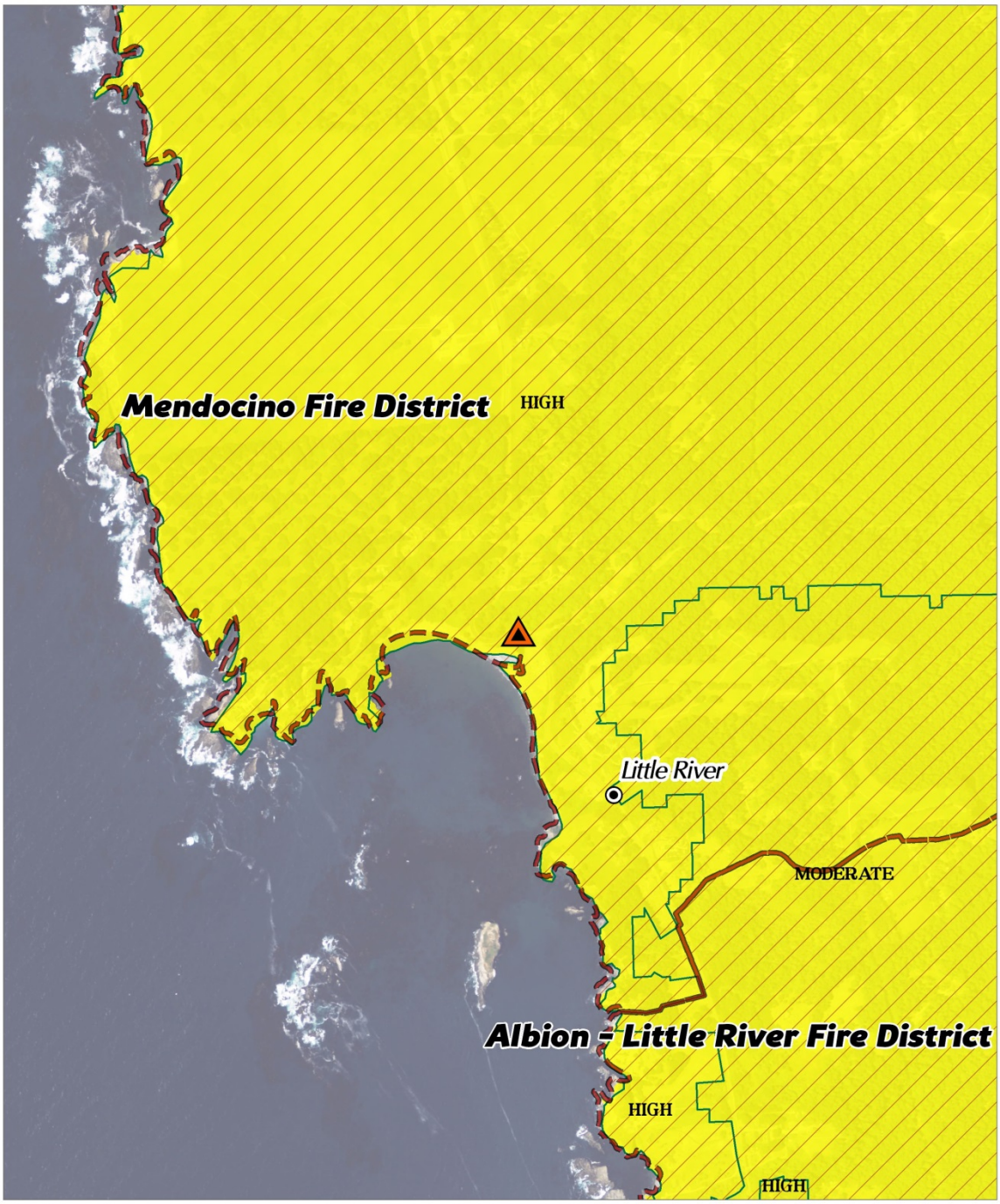
ADJACENT PARCELS (LITTLE RIVER)

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT JJ



ATTACHMENT KK



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations
Major Towns & Places
County Fire Districts
State Responsibility Areas

0 500 1,000 Feet
0 0.075 0.15 Miles
1:12,500

FIRE HAZARD ZONES & FRA

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT LL

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Flood Zone
Named Rivers

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

FEMA FLOOD ZONE
NFIP MAPS, JUNE 2nd, 2011

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT MM

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Flood Zone
Named Rivers
Public Roads
Private Roads

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

FEMA FLOOD ZONE
NFIP MAPS, JUNE 2nd, 2011

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT NN

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

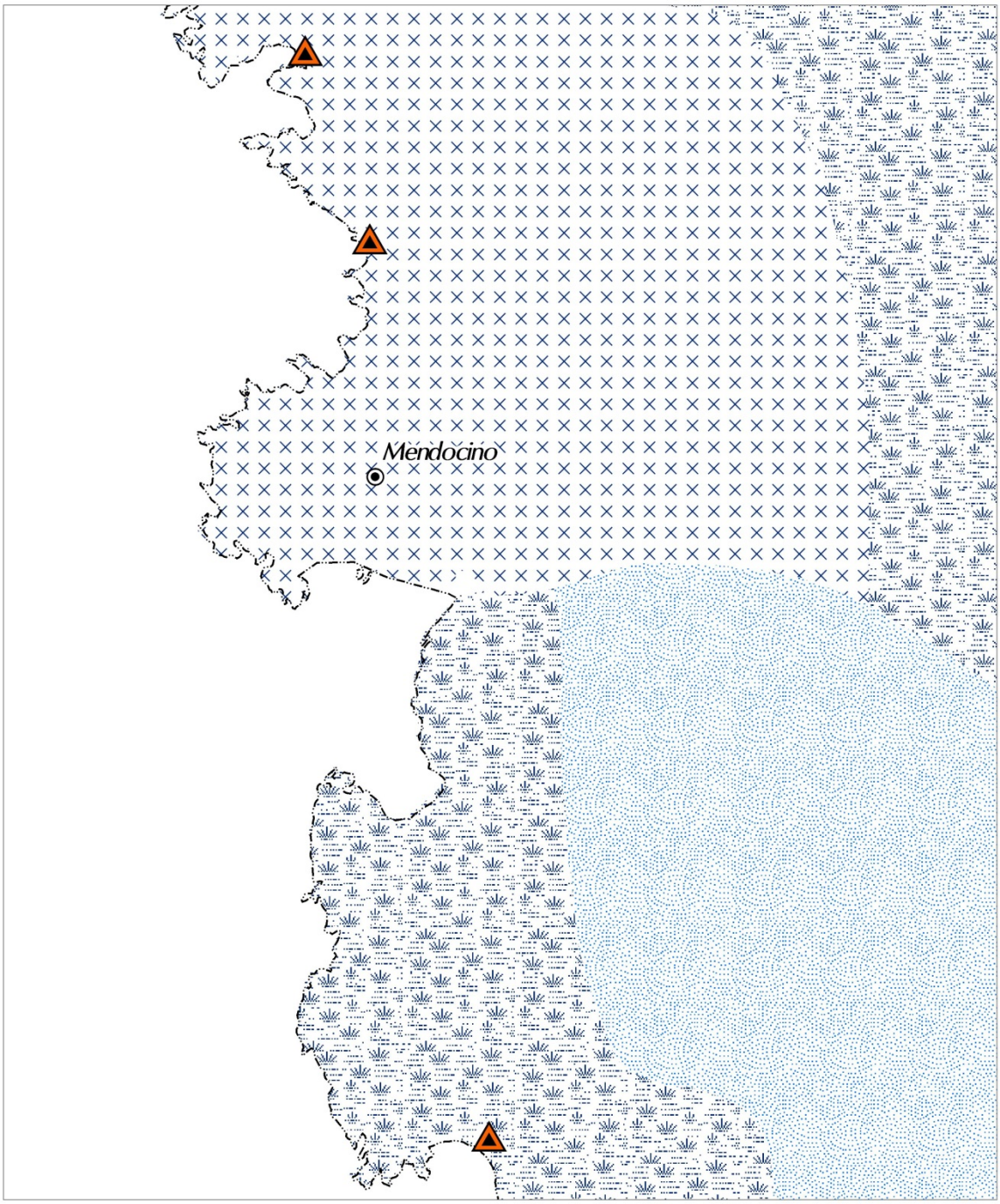
Flood Zone
Named Rivers
Public Roads
Private Roads

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

FEMA FLOOD ZONE
NFIP MAPS, JUNE 2nd, 2011

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT OO



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

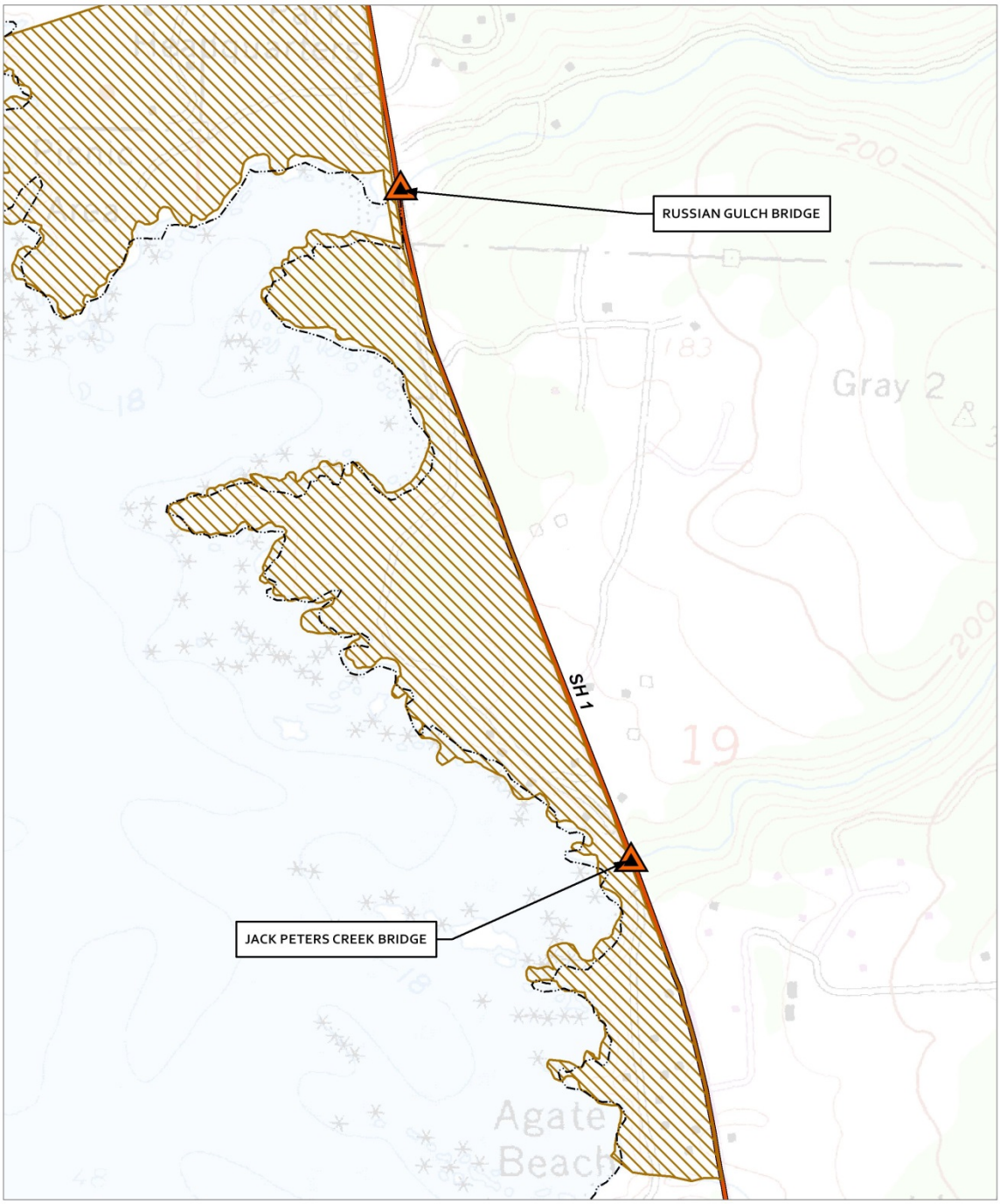
Bridge Locations
Major Towns & Places
Critical Water Areas
Sufficient Water Resources
Marginal Water Resources

0 1,150 2,300 Feet
0 0.2 0.4 Miles
1:28,501

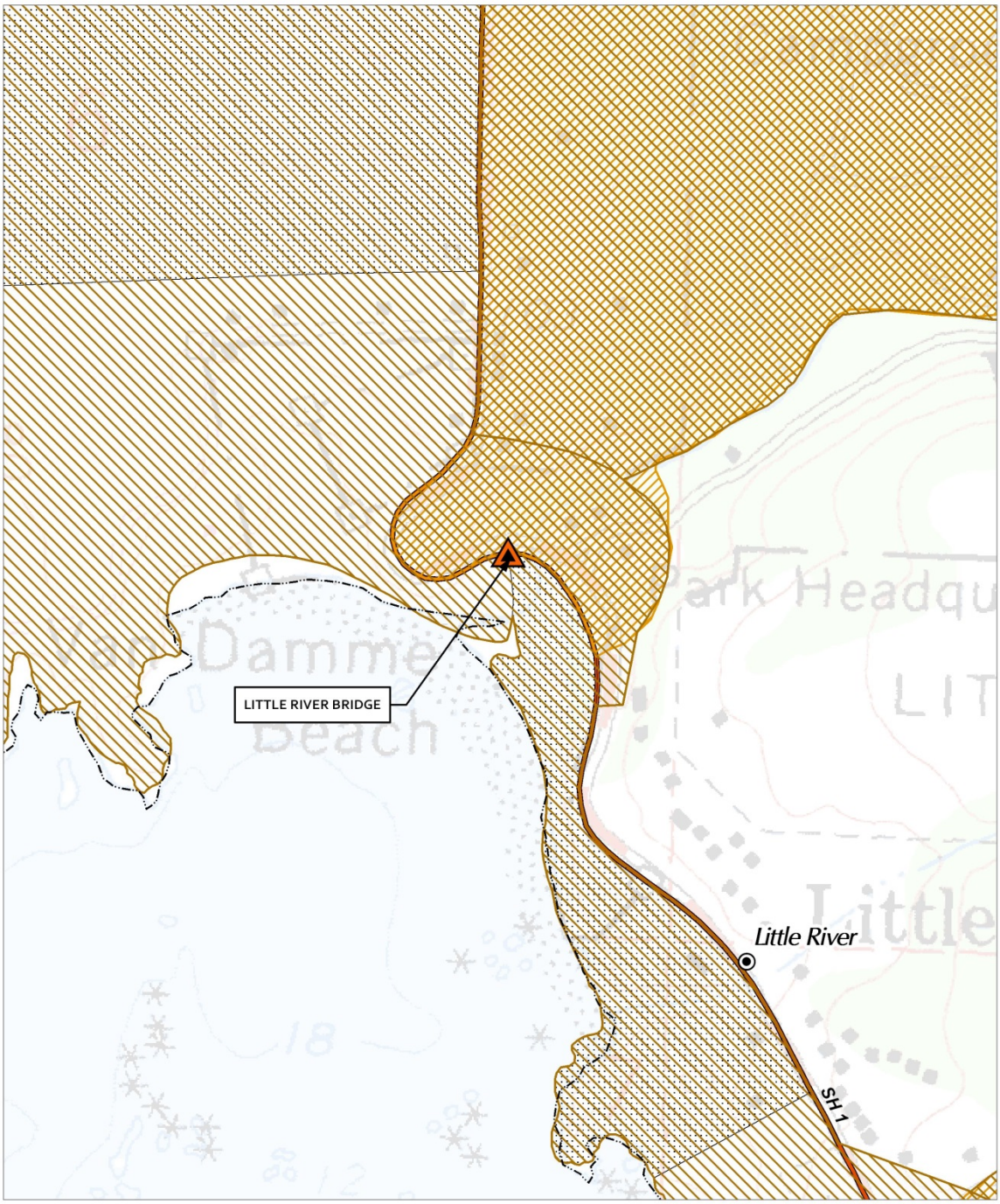
GROUNDWATER RESOURCES

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT PP



ATTACHMENT QQ



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

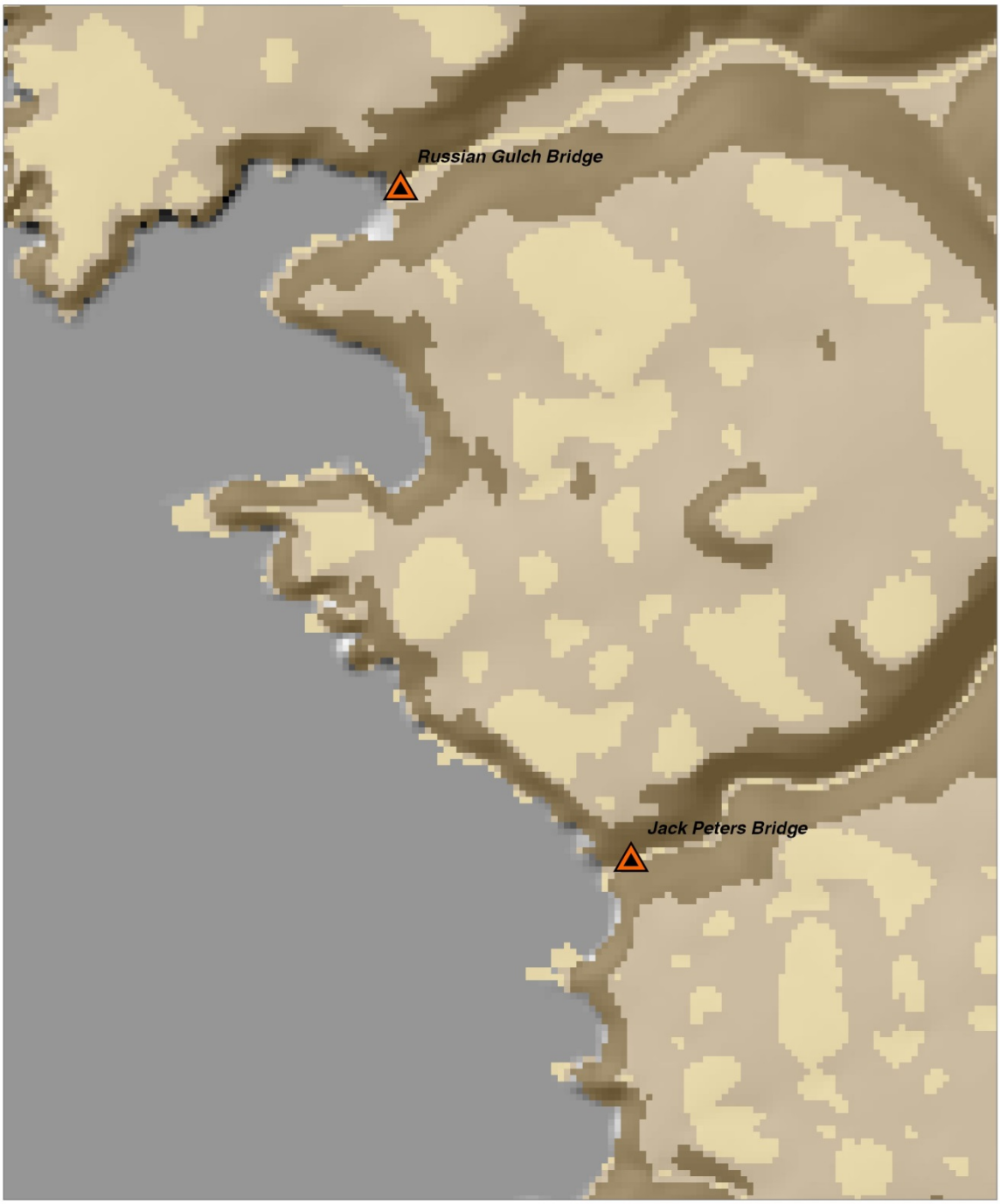
Bridge Locations
Highly Scenic Area
Highly Scenic Area (Conditional)
Tree Removal Area
Highways

0 210 420 Feet
0 0.0375 0.075 Miles
1:5,000

HIGHLY SCENIC & TREE REMOVAL AREAS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT RR



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations

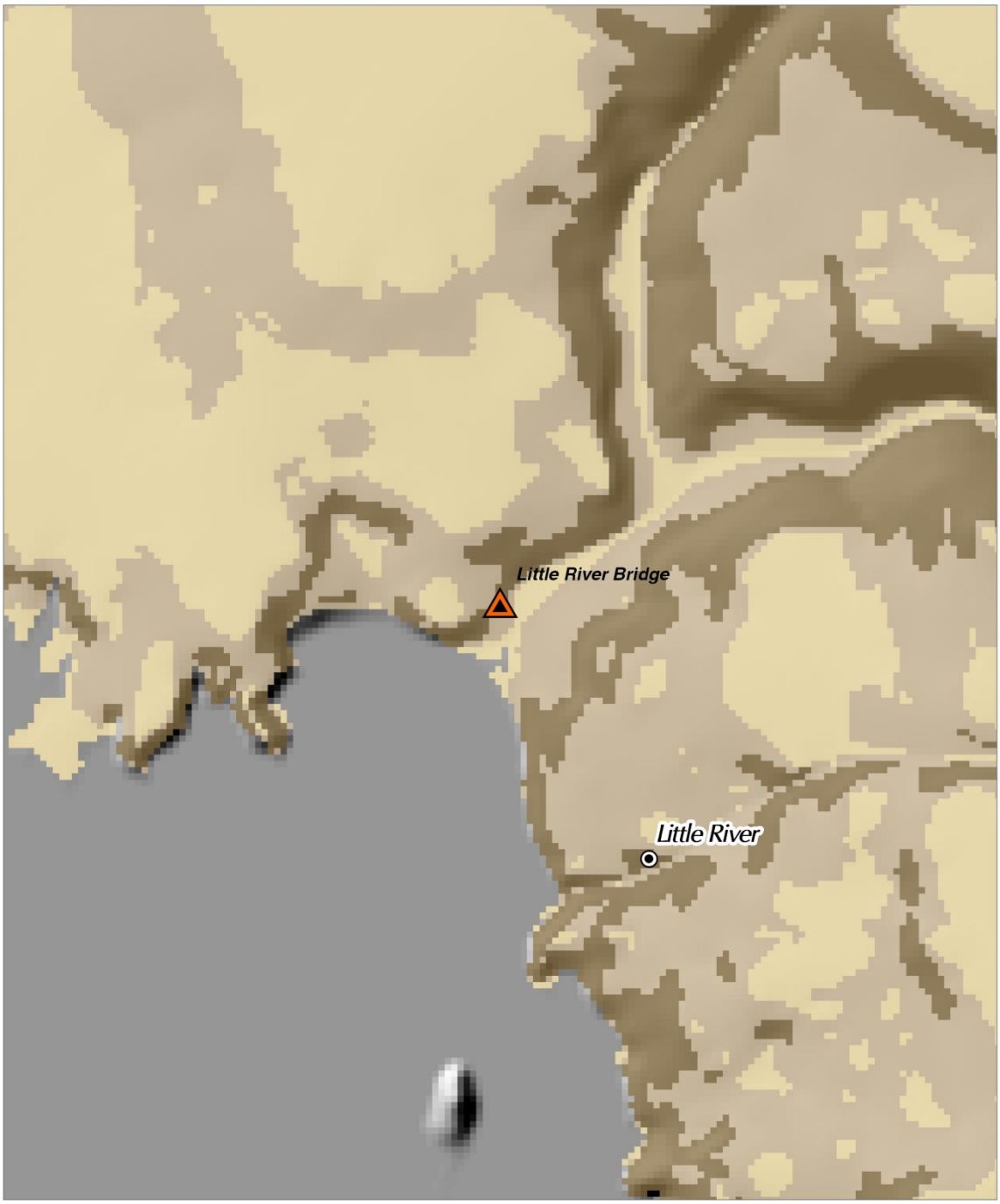
Degree Slope
0 - 14
15 - 32
33 - 72

0 335 670 Feet
0 0.05 0.1 Miles
1:8,000

ESTIMATED SLOPE

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT SS



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations

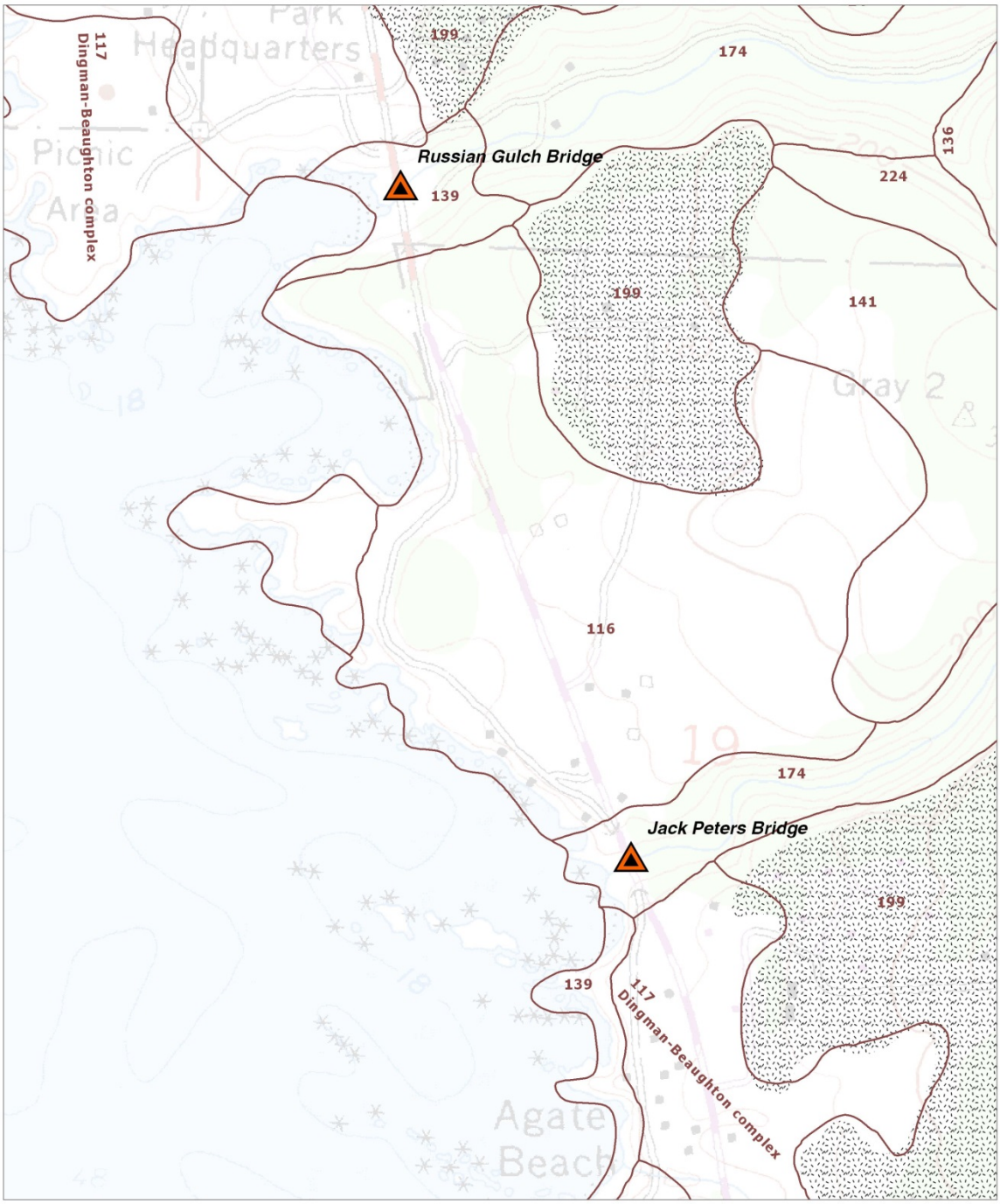
Degree Slope
0 - 14
15 - 32
33 - 72

0 335 670 Feet
0 0.05 0.1 Miles
1:8,000

ESTIMATED SLOPE

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT TT



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations

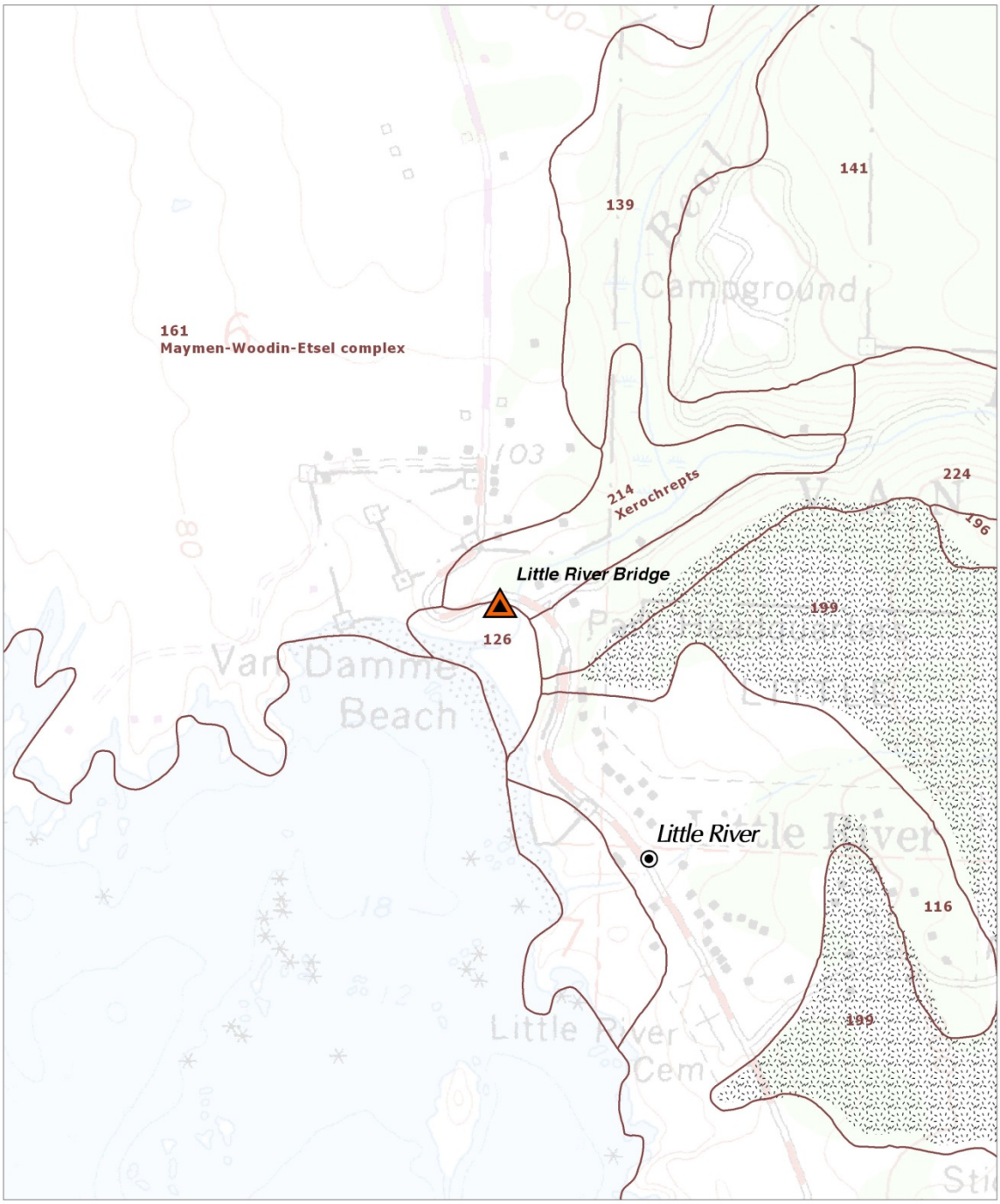
S-G Complex

0 335 670 Feet
0 0.05 0.1 Miles
1:8,000

LOCAL SOILS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT UU



CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations

S-G Complex

0 335 670 Feet
0 0.05 0.1 Miles

1:8,000

LOCAL SOILS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT VV

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations
Wetlands

0 50 100 Feet
0 0.01 0.02 Miles
1:1,295

CLASSIFIED WETLANDS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT WW

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations
Wetlands

0 50 100 Feet
0 0.01 0.02 Miles
1:1,295

CLASSIFIED WETLANDS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.

ATTACHMENT XX

CASE: CDP 2015-0009
OWNER: CALTRANS (Hwy. ROW)
APN: None (ROW)
APLCT: CALTRANS
ADDRESS: None Assigned

Bridge Locations
Wetlands

0 100 200 Feet
0 0.0175 0.035 Miles
1:2,400

CLASSIFIED WETLANDS

Map produced by the Mendocino County Planning & Building Services, April, 2015
All spatial data is approximate. Map provided without warranty of any kind.