
North Coast Regional Water Quality Control Board

February 10, 2016

**In the Matter of
Water Quality Certification**

for the

**State Route 101 Peregrine Slides Repair Project
38.897, -123.057; 38.916, -123.057¹
WDID No. 1B15029WNME, ECM PIN CW-813833
Caltrans EA No. 01-0B500, EFIS No. 01-1200-0133**

APPLICANT: California Department of Transportation
RECEIVING WATER: Russian River
HYDROLOGIC AREA: Ukiah Hydrologic Sub Area No. 114.31
COUNTY: Mendocino
FILE NAME: CDOT State Route 101 PM R 3.75/5.30 Peregrine Slides Repair Project

BY THE EXECUTIVE OFFICER:

1. On September 23, 2015, the North Coast Regional Water Quality Control Board (Regional Water Board) received an application (application) from the California Department of Transportation (Caltrans), requesting Federal Clean Water Act, section 401, Water Quality Certification (certification) for activities related to the proposed State Route 101 Peregrine Slides Repair Project (Project).
2. **Receiving Waters:** The proposed Project would cause disturbances to tributaries of Russian River (Basin Planning Area No. 114.31, Ukiah Hydrologic Sub Area).

¹ WGS84 datum

3. **Public Notice:** The Regional Water Board provided public notice of the application pursuant to title 23, California Code of Regulations, section 3858 on November 23, 2015, and posted information describing the Project on the Regional Water Board's website. No comments were received.
4. **Project Description:** The purpose of the Project is to control and stabilize two active slide areas up-gradient of State Route 101 (SR 101). The Project locations are approximately five miles south of Hopland, adjacent the Russian River in Mendocino County at post-miles (PM) 3.75 and 5.30, and at the Korean War Veteran's Viaduct.

Project activities include the following:

Formoli Slide—PM 3.75

At this location, Caltrans intends to build a 20-foot-high, 353-foot-long soldier pile ground anchor wall approximately 35 feet to the east of northbound SR 101. Additional activities at this location would include:

- Construction of a ten-foot-deep underdrain at the front toe of the wall. An eight-inch-diameter perforated plastic pipe would be placed six inches above the base of permeable material to collect and convey seepage water to the drainage inlet at PM 3.72;
- Grading of slopes behind the anchor wall to minimize surface ponding and slope saturation;
- Excavation of an inward-sloped, aggregate base-surfaced bench in front of the anchor wall to facilitate drainage, to provide maintenance access, and to provide a space to capture potential slide debris; and
- Construction of a new structural section where the roadway pavement has been damaged by the slide movement. The uplifted sections would be removed and the roadway surface returned to near its original elevation.

The hillside surface flow above the anchor wall would be directed along the sides of the wall to a swale and conveyed to the drainage inlet at PM 3.72. The existing pipe culvert at PM 3.72 would be replaced and installed at a lower elevation to match the elevation of the proposed underdrain.

Peregrine Slides—PM 5.3

At this location, Caltrans proposes to build a 50-foot-high, 419-foot-long soldier pile ground anchor wall approximately 100 feet to the east of northbound SR 101. Additional activities at this location would include:

- Excavation of an inward-sloped, aggregate base-surfaced bench in front of the anchor wall to facilitate drainage, to provide maintenance access, and to provide a space to capture potential slide debris;
- Construction of underdrains at the front toe of the wall and 50 feet behind the wall;
- Replacement of culvert at PM 5.17 with new culvert placed at a lower elevation;
- Replacement of the last 40 feet of the existing culvert at PM 5.07 with 24-inch corrugated steel pipe;
- Installation of horizontal drains in the slope above the anchor wall. The horizontal drains and front underdrain would discharge via a collector system to the drainage system at PM 5.17. Discharge from the underdrain behind the wall would be conveyed to the drainage system at PM 5.11 via a hillside channel;
- Grading of slopes behind the anchor wall to minimize surface ponding and slope saturation;
- Construction of a storm water treatment biofiltration swale; and
- Construction of a new structural section where the roadway pavement has been damaged by the slide movement. The uplifted sections would be removed and the roadway surface returned to near its original elevation.

Surface runoff from Peregrine Slide currently flows into a cross culvert at PM 5.22. Project construction will result in the redirection of surface runoff to the existing culvert at PM 5.11.

Korean War Veteran's Viaduct – PM 4.95

The damaged cross-drainage culvert at PM 4.95 shall be removed and replaced with an approximately 196-foot-long open channel. Caltrans shall install two sediment traps located at two weirs within the open channel.

5. **Construction Timing:** The Project is expected to require 190 days of construction. The Project is proposed to begin in the spring of 2017, and be completed in the fall of 2018. Construction shall occur during the dry season (June 15 to October 15) to minimize impacts to surface water.
6. **Project Impacts:** The Project will result in approximately 546 linear feet (0.037 acres) of permanent impacts to ephemeral tributaries of the Russian River as a result of drainage system modifications. The Project will result in approximately 56 linear feet (0.001 acres) of temporary impacts to ephemeral tributaries of the Russian River as a result of culvert modifications. This Project will also result in approximately 0.023 acres of permanent impacts to riparian vegetation.
7. **Mitigation for Project Impacts:** To compensate for 546 linear feet (0.037 acres) of permanent impacts to jurisdictional waters, Caltrans shall convert a culverted drainage to a rock-lined ditch which would result in approximately 192 feet (0.11 acres) of open channel.

To compensate for approximately 0.023 acres of permanent impacts to riparian vegetation, Caltrans shall plant approximately 0.069 acres of willow cuttings and valley oak trees along the ephemeral drainages behind the Formoli Wall (~PM 5.22), and at the culvert outlet of the drainage system located at PM 5.11.

8. **Post-Construction Storm Water Treatment:** Project implementation would result in approximately 0.79 acres of new impervious surface. To control roadway pollutants, post-construction, Caltrans shall install two bioswales in series with 8 to 12 inches of engineered soil media to treat no less than 0.79 acres of impervious surface. Caltrans shall install a sediment trap within the Project limits. The trap shall be made up of two weirs located on the rock lined ditch at PM 4.95, beneath the Korean War Veterans Viaduct.
9. **Disturbed Soil Area:** Project implementation will result in greater than one acre of disturbed soil area. Caltrans shall apply for coverage under the National Pollutant Discharge Elimination System General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ) and prepare a Stormwater Pollution Prevention Plan detailing best management practices (BMPs) to control pollution from the Project area during construction. All temporarily disturbed areas within the Project area shall be appropriately stabilized and/or replanted with appropriate native vegetation.
10. **Utility Relocations:** Utility relocations affecting jurisdictional waters are not proposed for this Project.
11. **Other Agency Actions:** Caltrans has applied for coverage under a non-reporting U.S. Army Corps of Engineers Nationwide Permit No. 14, *Linear Transportation Projects*, pursuant to section 404 of the Clean Water Act. Caltrans has applied for a Section 1600 Streambed Alteration Agreement from the California Department of Fish and Wildlife.
12. **CEQA Compliance:** On April 2, 2015, Caltrans signed a Notice of Determination approving a Mitigated Negative Declaration for the Project (State Clearinghouse No. 2015021063) in order to comply with the California Environmental Quality Act.
13. **Total Maximum Daily Load:** The Russian River is identified as impaired for sediment and temperature under Clean Water Act Section 303(d). At present, Total Maximum Daily Loads (TMDLs) have not been established for this water body. Bank erosion is identified as a source contributing to the sediment impairment. Removal of riparian vegetation is identified as a source contributing to temperature impairment. Activities that would be authorized by the certification would be designed to reduce removal of riparian vegetation and reduce sediment discharges from bank erosion.
14. **Antidegradation Policy:** The federal antidegradation policy requires that State water quality standards include an antidegradation policy consistent with the federal policy.

The State Water Board established California’s antidegradation policy in State Water Board Resolution No. 68-16. Resolution No. 68-16 incorporates the federal antidegradation policy where the federal policy applies under federal law. Resolution No. 68-16 requires that existing quality of waters be maintained unless degradation is justified based on specific findings. The Regional Water Board’s Basin Plan implements, and incorporates by reference, both the State and federal antidegradation policies. This certification is consistent with applicable federal and state antidegradation policies, as it does not authorize the discharge of increased concentrations of pollutants or increased volumes of treated wastewater, and does not otherwise authorize degradation of the waters affected by this Project.

15. This discharge is also regulated under State Water Resources Control Board [Order No. 2003-0017-DWQ](#), "General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received State Water Quality Certification," which requires compliance with all conditions of this certification. A weblink to this Order is included at the end of this certification.

| | | |
|--------------------------------|--|-------------------------------|
| Receiving Water: | Russian River (Ukiah Hydrologic Sub Area No. 114.31) | |
| Filled and/or Excavated Areas: | Permanent – jurisdictional waters | 546 linear feet (0.037 acres) |
| | Temporary – jurisdictional waters | 56 linear feet (0.001 acres) |
| Dredge Volume: | none | |
| Latitude/Longitude: | 38.897, -123.057; 38.916, -123.057 | |

Accordingly, based on its independent review of the record, the Regional Water Board certifies that the State Route 101 Peregrine Slides Repair Project (WDID No. 1B15029WNME), as described in the application will comply with sections 301, 302, 303, 306 and 307 of the Clean Water Act, and with applicable provisions of state law, provided that Caltrans complies with the following terms and conditions:

All conditions of this certification apply to Caltrans (and all its employees) and all contractors (and their employees), sub-contractors (and their employees), and any other entity or agency that performs activities or work on the Project as related to this Water Quality Certification.

Project-Specific Conditions Requiring Reports

1. To compensate for the removal of 0.023 acres of willow thicket along the ephemeral drainage at PM 5.22, Caltrans shall plant no less than 0.069 acres of willow and valley oak trees as described in the *Revegetation Plan, dated October, 2015*. Monitoring will be performed once each year between May 1 and September 30, for a period of five years by the Project Biologist, or Revegetation Specialist. Qualitative monitoring will include photo points. Quantitative monitoring will measure the area of willow and oak establishment and include survival counts of individual oak plantings. Results will be documented on aerial photos or project plans. Permanent photo points will be set up

Project-Specific Conditions Requiring Reports (continued)

to document the mitigation effort. Monitoring reports shall be submitted annually to the Regional Water Board for five years. The first monitoring report shall be submitted no later than January 31, 2019. The report shall include yearly performance criteria, progress towards final success criteria and include any adaptive management measures.

- a. Performance criteria for Year 1 through Year 4 will be achieved if the following conditions are met:
 - i. An annual increase of vegetative cover of willows and oaks in 1st – 4th years after willows are installed.
OR
 - ii. A minimum of 40 surviving oak trees, including volunteers, at the end of year 1 and a minimum of 30 surviving oak trees, including volunteers, at the end of year 4.
 - b. Success criteria for Year 5 will be achieved if the following conditions are met:
 - i. A minimum of 50% of vegetative cover of willows and oaks by 5th year of monitoring.
OR
 - ii. At least 25 surviving oak trees, including volunteers, by 5th year of monitoring.
2. Caltrans shall install two bioswales to treat no less than 0.73 acres of impervious surface runoff. The bioswales shall be amended with 4 inches of compost incorporated to a depth of 12 inches. The bioswales shall be vegetated using native grass seed. Caltrans shall submit photographs of completed and fully vegetated bioswales no later than June 1, 2018.
 3. Caltrans shall provide a sediment trap maintenance plan to the Regional Water Board for review and staff acceptance no later than October 15, 2018. The maintenance plan shall detail the inspection schedule, and criteria and timing for sediment removal. Two sediment trap monitoring reports shall be provided no later than January 15, 2019, and July 15, 2019, to document the trap's performance and maintenance. The monitoring reports shall include photos, maintenance dates, approximate volume of sediment removed from the basin and sediment disposal location.

Standard Conditions

4. Herbicides and other pesticides shall not be used within the Project limits. If Caltrans has a compelling case as to why pesticides should be used, then a request for pesticide use and a BMP plan may be submitted to the Regional Water Board staff for review and acceptance.

Standard Conditions (continued)

5. All Project activities and BMPs shall be implemented according to the submitted application package and the findings and conditions of this certification. Subsequent changes to the Project that could significantly impact water quality shall first be submitted to Regional Water Board staff for prior review, consideration, and written concurrence. If the Regional Water Board is not notified of an alteration to the Project that results in an impact to water quality, it will be considered a violation of this certification, and Caltrans may be subject to Regional Water Board enforcement actions.
6. All conditions required by this certification shall be included in the Contract Documents prepared by Caltrans for the contractor. In addition, Caltrans shall require compliance with all conditions included in this certification in the bid contract for this Project.
7. Caltrans is prohibited from discharging waste to waters of the state, unless explicitly authorized by this certification. For example, no debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete or concrete washings, welding slag, oil or petroleum products, or other organic or earthen material from any construction or associated activity of whatever nature, shall be allowed to enter into state waters.
8. Except for temporary stockpiling of waste generated during demolition operations ("temporary" in this instance means generated and removed during the same working day), waste materials shall not be placed in a manner where the materials may be transported into waters of the state. Waste materials shall not be placed within 100 linear feet of state waters. Exceptions to the 100-foot limit may be granted on a case-by-case basis provided Caltrans first submits a proposal in writing that is found acceptable by Regional Water Board staff.
9. Caltrans is liable and responsible for the proper disposal, reuse, and/or recycling of all Project-generated waste in compliance with applicable state and federal laws and regulations, and as described in Caltrans 2010 Standard Specifications 13-4.03D, Waste Management. Additionally, when handling, transporting, disposing, reusing, and/or recycling Project-generated waste, Caltrans and their contractors shall:
 - i) Provide the Regional Water Board with a copy of the Solid Waste Disposal and Recycling Report prepared for Caltrans by the contractor per Caltrans 2010 Standard Specification 14-10.02A(1), Submittals. These reports shall be provided not later than January 31 for each year work is performed during the previous calendar year. A copy of the final Solid Waste Disposal and Recycling Report shall be submitted to the Regional Water Board within 30 days after being received by Caltrans from the contractor.
 - ii) For waste other than solid waste, obtain evidence that waste has been appropriately disposed, reused, and/or recycled. Evidence shall include type

Standard Conditions (continued)

and quantity of waste and may include, but not be limited to, property owner agreements, permits, licenses, and environmental clearances. Evidence shall be provided to the Regional Water Board upon request; and

iii) For waste other than solid waste, ensure the Resident Engineer has given written permission for disposal, reuse, and/or recycling, prior to the actual disposal, reuse, and/or recycling.

10. Asphalt-concrete grindings shall not be placed in any location where they may, at any time, be directly exposed to surface waters or seasonally high ground water, except asphalt-concrete grindings may be re-used and incorporated into hot mix asphalt products or encapsulated within the roadway structural section.
11. Caltrans and their contractors shall comply with the activity restrictions detailed in Caltrans 2010 Standard Specifications 13-4.03C(1). In addition, fueling, maintenance, storage and staging of vehicles and equipment shall be prohibited within waters of the state (e.g., gravel bars, seeps, ephemeral streams) and riparian areas.
12. Fueling, maintenance, and/or staging of individual equipment types within waters of the state or riparian areas may be authorized if Caltrans first prepares a plan for review and approval by Regional Water Board staff that:
 - i) Identifies the specific piece of machinery that may require fueling, maintenance, and/or staging within waters of the state or riparian areas;
 - ii) Provides justification for the need to refuel, maintain, or stage within state waters or riparian areas. The justification shall describe why conducting the activity outside of jurisdictional waters is infeasible; and
 - iii) Includes a narrative of specific BMPs that shall be employed to prevent discharges to state waters and riparian areas;
13. Caltrans shall not use leaking vehicles or equipment within state waters or riparian areas.
14. Only 100-percent biodegradable erosion and sediment control products that will not entrap or harm wildlife shall be used. Photodegradable synthetic products are not considered biodegradable. If Caltrans finds that erosion control netting or products have entrapped or harmed wildlife, personnel shall remove the netting or product and replace it with wildlife-friendly biodegradable products. This condition does not prohibit the use of plastic sheeting used in water diversion or dewatering activities. Caltrans shall request approval from the Regional Water Board if an exception to this requirement is needed for a specific location.

Standard Conditions (continued)

15. Work in flowing or standing surface waters, unless otherwise proposed in the project description and approved by the Regional Water Board, is prohibited.
16. Non-stormwater discharges are prohibited unless the discharge is first approved by the Regional Water Board and in compliance with the Basin Plan. If dewatering of groundwater is necessary, then Caltrans shall use a method of water disposal other than disposal to ground or surface waters, such as land disposal. Groundwater disposed of to land shall not enter state waters. Alternatively, Caltrans may apply for coverage under the Low Threat Discharge Permit or an individual National Pollutant Discharge Elimination System (NPDES) Permit. If Caltrans applies for coverage under either of these permits, then discharge is prohibited until Caltrans has received notification of coverage under the respective permit.
17. Gravel bags used within state waters shall:
 - i) Comply with Caltrans 2010 Standard Specifications sections 13-5.02G and 88-1.02F;
 - ii) Be immediately removed and replaced if the bags have developed or are developing holes or tears; and
 - iii) Be filled only with clean washed gravel.Exceptions to these criteria are subject to the review and acceptance of Regional Water Board staff.
18. This certification does not authorize drafting of surface waters.
19. Caltrans shall provide access to the Project construction site upon request by Regional Water Board staff.
20. Initial water pollution control training described in Caltrans 2010 Standard Specifications 13-1.01D(2), Training, shall apply to all Caltrans employees, contractors, and sub-contractors. Initial water pollution control training topics shall include Regional Water Board 401 certification and construction general permit requirements, identification of state waters and riparian areas, and violation avoidance and discharge reporting procedures.
21. Caltrans shall maintain logs of all Caltrans staff, contractors, and sub-contractors trained pursuant to the Caltrans 2010 Standard Specifications 13-1.01D(2). The logs shall include the names of trainees, training dates, and summary of the scope of training. Caltrans shall provide evidence of this documentation upon the request of the Regional Water Board.
22. If an unauthorized discharge to surface waters (including wetlands, rivers or streams) occurs, or any other threat to water quality arises as a result of Project

Standard Conditions (continued)

implementation, the associated Project activities shall cease immediately until the threat to water quality is otherwise abated. If there is a discharge to state waters, the Regional Water Board shall be notified no more than 24 hours after the discharge occurs.

23. Uncured concrete shall not be exposed to state waters or surface waters that may discharge to state waters. Concrete sealants may be applied to the concrete surface where difficulty in excluding flow for a long period may occur. If concrete sealant is used, water shall be excluded from the site until the sealant is cured. If groundwater comes into contact with fresh concrete, it shall be prevented from flowing towards surface water.
24. Ground and surface water that has come into contact with fresh concrete, and all other wastewater, shall not be discharged to state waters or to a location where it may discharge to state waters; the wastewater shall be collected and re-used or disposed of in a manner approved by the Regional Water Board.
25. All imported fill material shall be clean and free of pollutants. All fill material shall be imported from a source that has the appropriate environmental clearances and permits. The reuse of low-level contaminated solids as fill on-site shall be performed in accordance with all state and federal policies and established guidelines and must be submitted to the Regional Water Board for review and consideration of acceptance.
26. Caltrans shall provide a copy of this certification and State Water Resources Control Board (SWRCB) Order No. 2003-0017-DWQ to the contractor and all subcontractors conducting the work, and require that copies remain in their possession at the work site. Caltrans shall be responsible for work conducted by its contractor and subcontractors.
27. The validity of this certification is conditioned upon total payment of any fee required under title 23, California Code of Regulations, section 3833. The total application fee is \$8,127. The Regional Water Board received \$8,127 from Caltrans on September 24, 2015.
28. This certification will be subject to annual billing during the construction phase ("Annual Active Discharge Fee") and during the monitoring phase of the Project ("Annual Post Discharge Monitoring Fee"), per the current fee schedule, which can be found on our website:
http://www.swrcb.ca.gov/northcoast/water_issues/programs/water_quality_certification.shtml. These fees will be automatically invoiced to Caltrans.
29. Caltrans shall notify the Regional Water Board upon Project construction completion to request termination of the Annual Active Discharge Fee and to receive a "Notice of

Standard Conditions (continued)

Completion of Discharges Letter.” If the Project is subject to the Annual Post Discharge Monitoring Fee, then Caltrans shall also notify the Regional Water Board at the end of the monitoring period to request termination of the fee and receive a “Notice of Project Complete Letter.” Caltrans may be required to submit completion reports at the end of each of these phases. Regional Water Board staff may request site visits at the end of each Project phase to confirm Project status and compliance with this certification.

30. This certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to title 23, California Code of Regulations, section 3855, subdivision (b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
31. In the event of any violation or threatened violation of the conditions of this certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under applicable state or federal law. For the purposes of section 401(d) of the Clean Water Act, the applicability of any state law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this certification. In response to a suspected violation of any condition of this certification, the State Water Board may require the holder of any federal permit or license subject to this certification to furnish, under penalty of perjury, any technical or monitoring reports the State Water Board deems appropriate, provided that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. In response to any violation of the conditions of this certification, the Regional Water Board may add to or modify the conditions of this certification as appropriate to ensure compliance.
32. This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330 and title 23, California Code of Regulations, section 3867.
33. In the event of any change in control of ownership of land presently owned or controlled by Caltrans, Caltrans shall notify the successor-in-interest of the existence of this certification by letter and shall email a copy of the letter to the following email address: NorthCoast@waterboards.ca.gov.

To discharge dredged or fill material under this certification, the successor-in-interest must email the Regional Water Board Executive Officer at: NorthCoast@waterboards.ca.gov a written request for the ownership change and the

Standard Conditions (continued)

effective date of the change. The request must contain the requesting entity's full legal name, the state of incorporation if a corporation, and the address and telephone number of the person(s) responsible for contact with the Regional Water Board.

The request must also describe any changes to the Project proposed by the successor-in-interest or confirm that the successor-in-interest intends to implement the Project as described in this certification. Except as may be modified by any preceding conditions, all certification actions are contingent on: a) the discharge being limited to and all proposed mitigation being completed in strict compliance with the Applicant's Project description, and b) compliance with all applicable requirements of the Water Quality Control Plan for the North Coast Region (Basin Plan).

34. Except as may be modified by any preceding conditions, all certification actions are contingent on:
- i) The discharge being limited, and all proposed revegetation, avoidance, minimization, and mitigation measures being completed, in strict compliance with Caltrans's project description and CEQA documentation, as approved herein;
 - ii) Caltrans shall construct the Project in accordance with the project described in the application and the findings above; and
 - iii) Compliance with all applicable water quality requirements and water quality control plans including the requirements of the Water Quality Control Plan for the North Coast Region (Basin Plan), and amendments thereto.

Any change in the design or implementation of the Project that would have a significant or material effect on the findings, conclusions, or conditions of this certification must be submitted to the Executive Officer of the Regional Water Board for prior review, consideration, and written concurrence. If the Regional Water Board is not notified of a significant alteration to the project, it will be considered a violation of this certification, and Caltrans may be subject to Regional Water Board enforcement actions.

35. The authorization of this certification for any dredge and fill activities expires five years from the date of this certification. Conditions and monitoring requirements outlined in this certification are not subject to the expiration date outlined above, and remain in full effect and are enforceable.

Conditions 1, 2, and 3 are requirements for information and reports. Any requirement for a report made as a condition to this certification is a formal requirement pursuant to California Water Code section 13267, and failure or refusal to provide, or

falsification of such required report is subject to civil liability as described in California Water Code, Section 13268.

The Regional Water Board may add to or modify the conditions of this certification, as appropriate, to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or section 303 of the Clean Water Act.

Please contact our staff Environmental Scientist, Brandon Stevens at (707) 576-2377, or via e-mail, at Brandon.Stevens@waterboards.ca.gov, if you have any questions.

Matthias St. John
Executive Officer

160209_BDS_CDOT_MEN101_PeregrineSlides_401

Original to: Mr. Steven Blair, Caltrans, District 1, 1656 Union Street, Eureka, CA 95501
Steven.Blair@dot.ca.gov

cc: Holly Costa, U.S. Army Corps of Engineers Holly.N.Costa@usace.army.mil
JoAnn Dunn, California Department of Fish and Wildlife JoAnn.Dunn@wildlife.ca.gov
State Water Resources Control Board Stateboard401@waterboards.ca.gov
Environmental Protection Agency, Region 9 R9-WTR8-Mailbox@epa.gov
Allison Kunz, Caltrans Allison.Kunz@dot.ca.gov