



Central Valley Regional Water Quality Control Board

14 February 2020

Kim McFarlane
County of Tuolumne
2 South Green St
Sonora, CA 95370

CERTIFIED MAIL
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CLEAN WATER ACT SECTION 401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION; COUNTY OF TUOLUMNE, LIME KILN ROAD CROSSING CURTIS CREEK BRIDGE REPLACEMENT PROJECT (WDID#5B55CR00128), TUOLUMNE COUNTY

This Order responds to the 06 November 2018 application submitted by County of Tuolumne (Applicant) for the Water Quality Certification of the Lime Kiln Road Crossing Curtis Creek Bridge Replacement Project (Project), permanently impacting 0.042 acre of waters of the United States and waters of the state, and temporarily impacting 0.196 acre of waters of the United States and waters of the state.

This Order serves as certification of the United States Army Corps of Engineers' Nationwide Permit #14 (SPK-2018-00933) under Section 401 of the Clean Water Act, and a Waste Discharge Requirement under the Porter-Cologne Water Quality Control Act and State Water Resources Control Board Order 2003-0017-DWQ.

WATER QUALITY CERTIFICATION STANDARD CONDITIONS:

1. This Order serves as a Water Quality Certification (Certification) action that is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Section 13330 of the California Water Code and Section 3867 of the California Code of Regulations.
2. 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 Section 3855(b) of the California Code of Regulations, and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial Certification action shall be conditioned upon total payment of the full fee required under Section 3860(c) of the California Code of Regulations.

KARL E. LONGLEY SCD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

4. This Certification is no longer valid if the Project (as described) is modified, or coverage under Section 404 of the Clean Water Act has expired.
5. All reports, notices, or other documents required by this Certification or requested by the Central Valley Water Board shall be signed by a person described below or by a duly authorized representative of that person.
 - (a) For a corporation: by a responsible corporate officer such as: 1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; 2) any other person who performs similar policy or decision-making functions for the corporation; or 3) the manager of one or more manufacturing, production, or operating facilities if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - (b) For a partnership or sole proprietorship: by a general partner or the proprietor.
 - (c) For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official.
6. Any person signing a document under Standard Condition number 5 shall make the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

TECHNICAL CERTIFICATION CONDITIONS:

In addition to the above standard conditions, the Applicant shall satisfy the following:

1. The Applicant shall notify the Central Valley Water Board in writing seven (7) days in advance of the start of any work within waters of the United States and waters of the state.
2. Except for activities permitted by the United States Army Corps of Engineers under Section 404 of the Clean Water Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.

3. The Applicant shall maintain a copy of this Certification and supporting documentation (Project Information Sheet) at the Project site during construction for review by site personnel and agencies. All personnel (employees, contractors, and subcontractors) performing work on the proposed Project shall be adequately informed and trained regarding the conditions of this Certification.
4. The Applicant shall perform surface water sampling¹:
 - a) when performing any in-water work;
 - b) in the event that Project activities result in any materials reaching surface waters; or
 - c) when any activities result in the creation of a visible plume in surface waters.

The sampling requirements in Table 1 shall be conducted upstream out of the influence of the Project, and 300 feet downstream of the work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

The sampling requirements in Table 1 shall be conducted by taking a sample of the ambient conditions before work begins in the work area, and sampling during work in the work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

¹ Sampling is not required in wetlands, where the entire wetland is being permanently filled; provided there is no outflow connecting the wetland to surface waters.

Table 1: Sample Type and Frequency Requirements

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab ²	Every 4 hours during in-water work	3, 4
Visible construction related pollutants ⁵	Observations	Visual Inspections	Continuous throughout the construction period	NA
pH ⁶	Standard Units	Grab ²	Every 4 hours during in-water work	3, 4

Surface water sampling shall occur at mid-depth. A surface water monitoring report shall be submitted within two weeks of initiation of in-water construction, and every two weeks thereafter. In reporting the sampling data, the Applicant shall arrange the data in tabular form so that the sampling locations, date, constituents, and concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the Project complies with Certification requirements. The report shall include surface water sampling results, visual observations, and identification of the turbidity increase in the receiving water applicable to the natural turbidity conditions specified in the turbidity criteria below. If no sampling is required, the Applicant shall submit a written statement stating, “No sampling was required” within two weeks of initiation of in-water construction, and every two weeks thereafter.

² Grab samples shall not be collected at the same time each day to get a complete representation of variations in the receiving water.

³ Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136, where no methods are specified for a given pollutant, the method shall be approved by Central Valley Water Board staff.

⁴ A hand-held field meter may be used, provided the meter utilizes a USEPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer’s instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

⁵ Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.

⁶ Sampling to be conducted if wet concrete comes into contact with surface water.

5. The Central Valley Water Board adopted a *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fifth Edition, revised May 2018 (Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. Turbidity and pH limits are based on water quality objectives contained in the Basin Plan and are part of this Certification as follows:
 - a) Waters shall not contain oils, greases, waxes, or other materials in concentrations that cause nuisance, result in a visible film or coating on the surface of the water or on objects in the water, or otherwise adversely affect beneficial uses.
 - b) Activities shall not cause turbidity increases in surface water to exceed:
 - i. where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTUs;
 - ii. where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
 - iii. where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
 - iv. where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs; and
 - v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

In determining compliance with the above limits, appropriate averaging periods may be applied provided that beneficial uses will be fully protected. Averaging periods may only be used with prior permission of the Central Valley Water Board Executive Officer.
 - c) Activities shall not cause pH to be depressed below 6.5 nor raised above 8.5 in surface water.
6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity, pH, or other water quality objectives are exceeded.
7. In-water work shall occur during periods of no precipitation 1) when the work area is naturally dry or 2) after the work area has been completely dewatered.

The Applicant shall perform surface water sampling in accordance with Technical Certification Condition No. 4, if any of the following conditions occur: 1) in-water

work is conducted during an unanticipated flow event; 2) Project activities result in any materials reaching surface waters; or 3) Project activities result in the creation of a visible plume in surface waters.

8. Activities shall not cause visible oil, grease, or foam in the receiving water.
9. Refueling of equipment within the floodplain or within 300 feet of the waterway is prohibited. If critical equipment must be refueled within 300 feet of the waterway, spill prevention and countermeasures must be implemented to avoid spills. Refueling areas shall be provided with secondary containment including drip pans and/or placement of absorbent material. No hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, or other construction-related potentially hazardous substances should be stored within a floodplain or within 300 feet of a waterway. The Applicant must perform frequent inspections of construction equipment prior to utilizing it near surface waters to ensure leaks from the equipment are not occurring and are not a threat to water quality.
10. The Applicant shall develop and maintain onsite a project-specific Spill Prevention, Containment and Cleanup Plan outlining the practices to prevent, minimize, and/or clean up potential spills during construction of the Project. The Plan must detail the Project elements, construction equipment types and location, access and staging and construction sequence.
11. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete, asphalt, paint, coating material, drilling fluids, or other construction-related potentially hazardous substances to surface water and/or soil is prohibited. In the event of a prohibited discharge, the Applicant shall notify the Central Valley Water Board Contact within 24-hours of the discharge.
12. Concrete must be completely cured before coming into contact with waters of the United States and state. Surface water that contacts wet concrete must be pumped out and disposed of at an appropriate off-site commercial facility, which is authorized to accept concrete wastes.
13. Discharge of unset cement, concrete, grout, damaged concrete spoils, or water that has contacted uncured concrete or cement, or related washout to surface waters, ground waters, or land is prohibited. If concrete washout is necessary at a site, washout containment to prevent any discharge shall be used. Wastewater may only be disposed by delivery to a sanitary waste water collection system/facility (with authorization from the facility's owner or operator) or a properly licensed disposal or reuse facility.
14. A method of containment must be used below the bridge(s), boardwalk(s), temporary crossing(s) to prevent debris from falling into the water body through the entire duration of the Project.

15. If installation or relocation of utility lines is anticipated, the Applicant shall develop a Utility Work Plan prior to commencement of dry and wet utility construction. The Utility Work Plan must cover all phases of the certified project that will impact waters of the United States and waters of the state and shall be consistent with this Certification.

The Utility Work Plan shall include the types of dry and wet utilities to be removed and installed, method and duration of activities, structure configuration, construction materials, equipment, erosion and sediment controls, and a map or drawing indicating the location(s) of utility work, as related to any waters of the United States and waters of the state, in the Project area.

Should the methodology for utility work include directional drilling, the Utility Work Plan shall incorporate a Directional Drilling Plan to address potential frac-outs. The Directional Drilling Plan shall include, but not be limited to, a description of directional drilling activities, dry and wet utility routes, crossing locations and methods, and other geotechnical considerations (i.e., surficial overburden deposits, clays and shales, bedrock formations, hydrogeology), and a reporting procedure should any level of discharge from a frac-out occur, regardless of the discharge size.

The Directional Drilling Plan must be stamped by a California Registered Geologist or Engineer.

The Utility Work Plan and Directional Drilling Plan must be made available to Central Valley Water Board staff upon request.

16. Silt fencing, straw wattles, or other effective management practices must be used along the construction zone to minimize soil or sediment along the embankments from migrating into the waters of the United States and waters of the state through the entire duration of the Project.
17. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project area.
18. All areas disturbed by Project activities shall be protected from washout and erosion.
19. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.
20. Hydroseeding shall be performed with California native seed mix.
21. All materials resulting from the Project shall be removed from the site and disposed of properly.
22. If water is present, the area must be dewatered prior to the start of work.

23. If temporary surface water diversions and/or dewatering are anticipated, the Applicant shall develop and maintain on-site a Surface Water Diversion and/or Dewatering Plan(s). The Plan(s) must be developed prior to initiation of any water diversions. The Plan(s) shall include the proposed method and duration of diversion activities. The Plan(s) must be consistent with this Certification and must be made available to the Central Valley Water Board staff upon request.
24. When work in a flowing stream is unavoidable and any temporary dam or other artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream, to maintain beneficial uses of waters of the state below the dam. Construction, dewatering, and removal of temporary cofferdams shall not violate Technical Certification Condition 5 of this Certification.
25. If any temporary dam or other artificial obstruction is constructed, the temporary dam or other artificial obstruction shall only be built from clean materials such as sandbags, gravel bags, water dams, or clean/washed gravel which will cause little or no siltation. Stream flow shall be temporarily diverted using gravity flow through temporary culverts/pipes or pumped around the work site with the use of hoses.
26. The Applicant shall apply for a name change or amendment to this Certification should any of the following occur: a) a change in the ownership of all or any portion of the Project; b) any change in the Project description; c) any change involving discharge amounts, temporary impacts, or permanent impacts; or d) amendments, modifications, revisions, extensions, or changes to the United States Army Corps of Engineers' Nationwide Permit #14, the United States Fish and Wildlife Service decision document(s), or the California Department of Fish and Wildlife Streambed Alteration Agreement.
27. The Applicant shall comply with all California Department of Fish and Wildlife requirements, including those requirements described in Lake or Streambed Alteration Agreement No. 1600-2018-0245-R4.
28. If dewatering activities result in groundwater discharges into surface water, the Applicant shall work with the Central Valley Water Board to obtain coverage under an NPDES permit.
29. If dewatering activities result in discharges to land, the Applicant shall work with the Central Valley Water Board to obtain coverage under Waste Discharge Requirements (WDRs).
30. The Conditions in this Certification are based on the information in the attached "Project Information Sheet" and the application package. If the actual project, as described in the attached Project Information Sheet and application package, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.

31. The Applicant shall implement each of the mitigation measures specified in the approved Mitigated Negative Declaration for the Project, as they pertain to biology, hydrology and water quality impacts as required by Section 21081.6 of the Public Resource Code and Section 15097 of the California Code of Regulations.
32. 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 state and federal law. The applicability of any state law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to ensure compliance with this Certification.
- (a) If the Applicant or a duly authorized representative of the Project fails or refuses to furnish technical or monitoring reports, as required under this Certification, or falsifies any information provided in the monitoring reports, the applicant is subject to civil liability, for each day of violation, and/or criminal liability.
 - (b) In response to a suspected violation of any condition of this Certification, the Central Valley Water Board may require the Applicant to furnish, under penalty of perjury, any technical or monitoring reports the Central Valley Water Board deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
 - (c) The Applicant shall allow the staff of the Central Valley Water Board, or an authorized representative(s), upon the presentation of credentials and other documents, as may be required by law, to enter the Project premises for inspection, including taking photographs and securing copies of project-related records, for the purpose of assuring compliance with this Certification and determining the ecological success of the Project.
33. To mitigate for the loss of 0.042 acre of streambed habitat, the Applicant shall create a minimum of 0.042 acre of streambed habitat. The Applicant shall provide evidence of all on-site compensatory mitigation to the Central Valley Water Board. Evidence of on-site compensatory mitigation shall be provided with the Notice of Completion. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts.

NOTIFICATIONS AND REPORTS:

34. The Applicant shall provide a Notice of Completion (NOC) no later than 30 days after the Project completion. The NOC shall demonstrate that the Project has been carried out in accordance with the Project description in the Certification and in any approved amendments. The NOC shall include a map of the Project location(s), including final boundaries of any on-site restoration area(s), if appropriate, and representative pre and post construction photographs. Each photograph shall

include a descriptive title, date taken, photographic site, and photographic orientation.

35. The Applicant shall submit all notifications, submissions, materials, data, correspondence, and reports in a searchable Portable Document Format (PDF). Documents less than 50 MB must be emailed to: centralvalleysacramento@waterboards.ca.gov. In the subject line of the email, include the Central Valley Water Board Contact, Project name, and WDID number as shown in the subject line above. Documents that are 50 MB or larger must be transferred to a disk and mailed to the Central Valley Water Board Contact.

STORM WATER QUALITY CONDITIONS:

The Applicant shall also satisfy the following additional storm water quality conditions:

1. During the construction phase, the Applicant must employ strategies to minimize erosion and the introduction of pollutants into storm water runoff. These strategies must include the following:
 - a) the Storm Water Pollution Prevention Plan must be prepared during the Project planning and design phases and implemented, as appropriate, before construction; and
 - b) an effective combination of erosion and sediment control Best Management Practices (BMPs) must be implemented and adequately working prior to the rainy season and during all phases of construction.

CENTRAL VALLEY WATER BOARD CONTACT:

Angela Nguyen-Tan
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670-8114
Angela.Nguyen-Tan@waterboards.ca.gov
(916) 464-0335

CALIFORNIA ENVIRONMENTAL QUALITY ACT:

The County of Tuolumne is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Lime Kiln Road Crossing Curtis Creek Bridge Replacement pursuant to Section 21000 et seq. of the Public Resources Code. The County of Tuolumne approved a Mitigated Negative Declaration on 19 December 2017. The County of Tuolumne filed a Notice of Determination with the State Clearinghouse on 22 January 2018 (SCH No. 2017082071).

The Central Valley Water Board has reviewed and evaluated the impacts to water quality identified in the CEQA Document. The mitigation measures discussed in the CEQA Document to minimize project impacts to State waters are required by this Certification.

With regard to the remaining impacts identified in the CEQA Document, the corresponding mitigation measures proposed are within the responsibility and jurisdiction of other public agencies.

WATER QUALITY CERTIFICATION:

I hereby issue an Order certifying that any discharge from the County of Tuolumne, Lime Kiln Road Crossing Curtis Creek Bridge Replacement (WDID#5B55CR00128) will comply with the applicable provisions of Section 301 ("Effluent Limitations"), Section 302 ("Water Quality Related Effluent Limitations"), Section 303 ("Water Quality Standards and Implementation Plans"), Section 306 ("National Standards of Performance"), and Section 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. Through this Order, this discharge is also regulated under State Water Resources Control Board Water Quality Order No. 2003-0017 DWQ "Statewide General Waste Discharge Requirements For Dredged Or Fill Discharges That Have Received State Water Quality Certification (General WDRs)".

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on: a) the discharge being limited and all proposed mitigation being completed in compliance with the conditions of this Certification, County of Tuolumne's application package, and the attached Project Information Sheet; and b) compliance with all applicable requirements of the *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fifth Edition, revised May 2018.

Any person aggrieved by this action may petition the State Water Resources Control Board to review the action in accordance with California Water Code Section 13320 and California Code of Regulations, Title 23, Section 2050 and following. The State Water Resources Control Board must receive the petition by 5:00 p.m., 30 days after the date of this action, except that if the thirtieth day following the date of this action falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Resources Control Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the State Water Resources Control Board's [Water Quality Petitions webpage](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) (http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

Original Signed By James Marshall for:

Patrick Pulupa
Executive Officer

Enclosure: Project Information Sheet

Attachments: Figure 1 – Project Location Map
Figure 2 –Jurisdictional Waters Map

cc: Distribution List, page 18

PROJECT INFORMATION SHEET

Application Date: 06 November 2018

Applicant: Kim McFarlane
County of Tuolumne
2 South Green St
Sonora, CA 95370

Applicant Representative: Mike Trueblood
LSA
201 Creekside Ct. Suite 250
Roseville, CA 95678

Project Name: Lime Kiln Road Crossing Curtis Creek Bridge Replacement

Application Number: WDID#5B55CR00128

Date on Public Notice: 09 November 2018

Date Application Deemed Complete: 07 December 2018

Date All Information Received: 27 January 2020

Type of Project: Roads, Highways and Bridges

Approved Months of Project Implementation: 01 June through 01 October

Project Location: Section 17, Township 1 North, Range 15 East, MDB&M.
Latitude: 37°56'49" N and Longitude: 120°21'06" W

County: Tuolumne County

Receiving Water (hydrologic unit): Curtis Creek, San Joaquin Hydrologic Basin,
Tuolumne River Hydrologic Unit #536.31, Sonora HSA

Water Body Type: Wetland, Streambed

Designated Beneficial Uses: The *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fifth Edition, revised May 2018 (Basin Plan) has designated beneficial uses for surface and ground waters within the region. Beneficial uses that could be impacted by the project include, but are not limited to: Municipal and Domestic Water Supply (MUN); Agricultural Supply (AGR); Industrial Supply (IND); Hydropower Generation (POW); Groundwater Recharge (GWR); Water Contact Recreation (REC-1); Non-Contact Water Recreation (REC-2); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); Preservation of Biological Habitats of Special Significance (BIOL); Rare, Threatened, or Endangered Species (RARE);

Migration of Aquatic Organisms (MIGR); Spawning, Reproduction, and/or Early Development (SPWN); and Wildlife Habitat (WILD). A comprehensive and specific list of the beneficial uses applicable for the project area can be found on the Central Valley Water Board's [Basin Planning webpage](http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml) (http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml).

303(d) List of Water Quality Limited Segments:

Curtis Creek is the receiving water for the Lime Kiln Road Crossing Curtis Creek Bridge Replacement. Curtis Creek is on the 303(d) list for *Escherichia coli* (E.coli). This project, as conditioned with mitigation measures to prevent transport of sediment due to project activities, will minimize impacts to Curtis Creek. The most recent list of approved water quality limited segments is found on the State Water Resources Control Board's [Impaired Water Bodies webpage](http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml) (http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml).

Project Description: The Lime Kiln Road Crossing Curtis Creek Bridge Replacement (Project) is located at Lime Kiln Road near Kennedy Rd. in Sonora, California.

To prepare for construction of the new bridge, approximately 0.195 acre of streambed will be temporarily impacted by clearing of vegetation on the banks of Curtis Creek and a 70 cubic yard river rock coffer dam will be placed to divert surface water away from the work area during the construction of the falsework and concrete piles for the new bridge. Bridge construction will take place from June 1 to October 1. Approximately 30 cubic yards of temporary coffer dam will temporarily impact 0.01 acre of wetland habitat adjacent to the streambed.

To prepare falsework for the new bridge, sheet piling will be vibrated in place to a depth approximately 25 ft below original grade of the streambed. The construction of the new bridge will permanently impact 0.042 acre of streambed by drilling beneath the ground surface approximately 20 to 30 feet, installing 39 cubic yards of imported clean soil fill, and installing 75 cubic yards of cast-in-drilled-hole concrete piles at the bridge abutments and spread footings at the bridge pier columns. The abutments will be located outside the channel of Curtis Creek, but will require a temporary stream diversion to install the spread footings and rock slope protection on the stream bank at the abutments. Netting and/or work platforms will be placed under the bridge to prevent falling debris from entering the Curtis Creek channel. Approximately 150 cubic yards of rock slope protection will be installed for erosion protection in front of the bridge abutments on the sloped banks to a point approximately 25 feet from the abutments.

The existing pier and abutment walls will be cut 3 feet below the grade of the channel and removed from the streambed. The voids will be backfilled with on-site river rock to natural grade. The contours of the stream bank at the site of the old bridge will be graded to create approximately 0.05 acre of additional streambed habitat.

Dewatering will occur within the Project area. Wet concrete will be placed into the stream bed in dry conditions after fully dewatering the work area. The Project will permanently impact 0.042 acre and temporarily impact 0.196 acre of waters of the United States and state.

Preliminary Water Quality Concerns: Construction activities may impact surface waters with increased turbidity and pH.

Proposed Mitigation to Address Concerns: The Applicant will implement Best Management Practices to control sedimentation and erosion. The Applicant will conduct turbidity and pH testing during in-water work, stopping work if Basin Plan criteria are exceeded or observations indicate an exceedance of a water quality objective.

All temporary affected areas will be restored to pre-construction contours and conditions upon completion of construction activities to provide 1:1 mitigation for temporary impacts.

Excavation/Fill Area: Approximately 2.6 cubic yards of wood posts will be excavated from 0.042 acre of streambed (waters of the United States and state). Approximately 150 cubic yards of rock slope protection, 70 cubic yards of concrete, 39 cubic yards of clean fill, 30 cubic yards of a temporary coffer dam/pipe, and 70 cubic yards of river gravel for the temporary coffer dam will be placed into 0.238 acre of waters of the United States and state.

Dredge Volume: None

California Integrated Water Quality System Impact Data: The Project will permanently impact 0.042 acres of stream bed habitat and temporarily impact 0.195 acre of stream bed habitat and 0.01 acre of wetland habitat from fill/excavation activities.

Table 3: Total Project Fill/Excavation Temporary Impact⁷ Quantity

Aquatic Resource Type	Acres	Cubic Yards	Linear Feet
Stream Channel	0.195		
Wetland	0.01		

Table 4: Total Project Fill/Excavation Permanent Physical Loss of Area Impact Quantity

Aquatic Resource Type	Acres	Cubic Yards	Linear Feet
Stream Channel	0.042		

United States Army Corps of Engineers File Number: SPK-2018-00933

United States Army Corps of Engineers Permit Type: Nationwide Permit #14

California Department of Fish and Wildlife Lake or Streambed Alteration Agreement: 1600-2018-0245-R4

Possible Listed Species: California red-legged frog, Foothill yellow-legged frog, Pacific pond turtle, Townsend big-eared bat.

Status of CEQA Compliance: The County of Tuolumne approved a Mitigated Negative Declaration on 19 December 2017. The County of Tuolumne filed a Notice of Determination with the State Clearinghouse on 22 January 2018 (SCH No. 2017082071).

The Central Valley Water Board will file a Notice of Determination with the State Clearinghouse as a responsible agency within five (5) days of the date of this Certification.

Compensatory Mitigation: To mitigate for the loss of 0.042 acre of stream bed habitat, the Applicant shall create a minimum of 0.042 acre of stream bed habitat on-site. Evidence of on-site compensatory mitigation shall be provided with the Notice of Completion. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts.

⁷ Includes only temporary direct impacts to waters of the state and does not include area of temporary disturbance which could result in a discharge to waters of the state. Temporary impacts, by definition, are restored to pre-project conditions and therefore do not include a physical loss of area or degradation of ecological condition.

Table 5: Compensatory Mitigation for Permanent Physical Loss of Area by Method [Establishment (Est.), Re-establishment (Re-est.), Rehabilitation (Reh.), Enhancement (Enh.), Preservation (Pres.), Unknown]

Aquatic Resource Type	Mitigation Type	Units	Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	PR	Acres	0.042					

Application Fee Provided: \$3,184.00 was received on 7 November 2018. The remaining application fee balance of \$293.00 based on total Project impacts was received on 7 June 2019.

The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

DISTRIBUTION LIST

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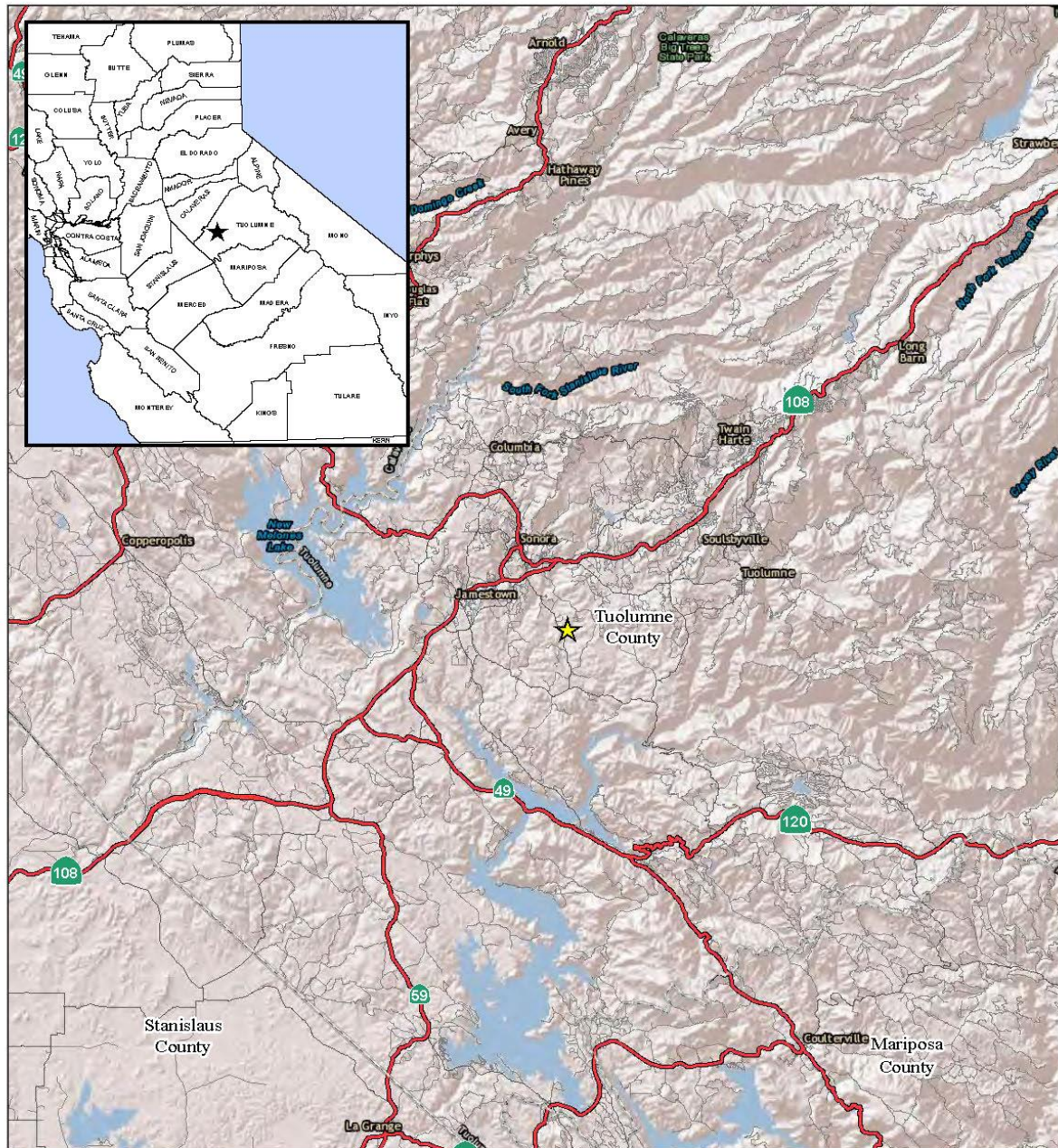
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LEGEND

Project Location

0 2.5 5
MILES

SOURCE: ESRI Imagery (4/2008)
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FIGURE 1

*Lime Kiln Road Crossing Curtis Creek Bridge (32C0016)
 Replacement Project
 Federal Project No. BRLO-5932(067)
 Regional Location*

Figure 1 – Project Location Map



Figure 2 – Jurisdictional Waters Map