

Central Valley Regional Water Quality Control Board

~~15 September 2015~~ ~~22 March 2018~~ 18 January 2019

Mr. Kevin Rosser
Tehama County Public Works
9380 San Benito Avenue
Gerber, CA 96035

AMENDED CLEAN WATER ACT § SECTION 401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION FOR DISCHARGE OF DREDGED AND/OR FILL MATERIAL, TEHAMA COUNTY PUBLIC WORKS, JELLYS FERRY ROAD BRIDGE REPLACEMENT PROJECT (WDID# 5A52CR00141aA2), TEHAMA COUNTY

ACTION:

1. Order for Standard Certification
2. Order for Technically-conditioned Certification
3. Order for Denial of Certification

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 § 13330 of the California Water Code and § 3867 of the California Code of Regulations (CCR).
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 23 CCR § 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 § 3833 of the California Code of Regulations.

4. Certification is valid for the duration of the Amended Jellys Ferry Road Bridge Replacement Project (Project) described in the attached "Project Information Sheet." This Certification is no longer valid if the Project (as summarized in the "Project Information Sheet" and described in the water quality certification application) is modified, or coverage under the project permit issued by the U.S. Army Corps of Engineers pursuant to § 404 of the Clean Water Act has expired. Tehama County Public Works shall notify the Central Valley Regional Water Quality Control Board (Central Valley Water Board) in writing **within seven days** of Project completion.
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 No. 5 shall make the following certification, whether written or implied:

"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, Tehama County Public Works shall satisfy the following:

1. Tehama County Public Works shall notify the Central Valley Regional Water Quality Control Board (Central Valley Water Board) in writing at least **seven (7) days** in advance of the start of any work within waters of the United States and waters of the State. The notification shall include the name of the project and the WDID number, and shall be sent to the Central Valley Water Board Contact indicated in this Certification.

2. Except for activities permitted by the U.S. Army Corps under §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. Tehama County Public Works 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. An effective combination of erosion and sediment control Best Management Practices (BMPs) must be implemented and adequately working during all phases of construction.
5. All temporarily affected areas will be restored to pre-construction contours and conditions upon completion of construction activities.
6. All areas disturbed by project activities shall be protected from washout or erosion.
7. Tehama County Public Works shall perform surface water sampling:
 - 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 monitoring requirements in Table 1 shall be conducted upstream out of the influence of the Project, and approximately 300 feet downstream of the work area. Sampling results shall be submitted to this office within two weeks of initiation and every two weeks thereafter. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

Table 1:

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab ⁽¹⁾	Every 4 hours during in-water work	(4)
Settleable Material	mL/L	Grab ⁽¹⁾	Every 4 hours during in-water work	(2)
Visible construction related pollutants ⁽³⁾	Observations	Visual Inspections	Continuous throughout the construction period	—

⁽¹⁾ Grab samples shall be taken at mid-depth and be collected at the same time each day to get a complete representation of variations in the receiving water.

⁽²⁾ 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.

- (3) Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.
- (4) A hand-held field meter may be used, provided that 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 required by this Certification shall be maintained at the Project site.

As appropriate, surface water monitoring shall occur at mid-depth. A surface water monitoring report shall be submitted to the Central Valley Water Board Contact indicated in this Certification within two weeks of initiation of sampling and every two weeks thereafter. In reporting the monitoring data, Tehama County Public Works 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 monitoring is conducted, Tehama County Public Works shall submit a written statement to the Central Valley Water Board Contact indicated in the Certification stating, "No monitoring was required." with the Notice of Completion.

8. The Central Valley Water Board adopted a *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, ~~Fourth Edition~~ Fifth Edition, revised ~~October 2014~~ April 2016 May 2018 or *Water Quality Control Plan for the Tulare Lake Basin, 2nd Edition* (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 settleable matter limits are based on water quality objectives contained in the Basin Plan and are part of this Certification as follows:
 - a) 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 NTU;
 - 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;
 - v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

Except that these limits will be eased during in-water working periods to allow a turbidity increase of 15 NTUs over background turbidity. 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 approval of the Central Valley Water Board staff.

- b) Activities shall not cause settleable matter to exceed 0.1 mL/L in surface waters as measured in surface waters within approximately 300 feet downstream of the Project.
- 9. Asphalt, drilling fluids, lubricants, paints, coating material, oil, petroleum products, or any other substances which could be hazardous to fish and wildlife resulting from or disturbed by project-related activities, shall be prevented from contaminating the soil and/or entering surface waters. Concrete must completely be cured before coming into contact with surface waters. 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.
- 10. Creosote-treated wood products or any other treated wood products that are highly flammable and/or toxic to aquatic life shall not be installed in surface waters. A method of containment must be used below the bridge(s), boardwalk(s), and/or temporary crossing(s) to prevent debris from falling into the water body as feasible.
- 11. Should the methodology for dry and wet utility work include directional drilling, the Dry and Wet Utility 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 (PG) or Professional Engineer (PE).

- 12. The Tehama County Public Works shall submit to the Central Valley Water Board a plan for restoration of temporary impact areas prior to the initiation of any construction activities within waters of the United States and waters of the State. This plan shall include the following information:
 - a) A description of and drawings showing the existing contours and existing vegetation of the temporary impact area(s). This information shall include site photographs taken of the temporary impact area(s). For linear projects, these photographs shall be taken from the alignment, in both directions and taken every 50 feet within waters of the United States and waters of the State for the length of the temporary impact area(s).
 - b) The methods used to restore the site to its original contour and conditions, as well as a plan for the re-vegetation of the site following construction activities.
 - c) The proposed schedule for the restoration activities.

The Tehama County Public Works shall submit to the Central Valley Water Board a report that describes the restoration activities and includes photographs of the restored areas within 90 days following completion of restoration activities. The camera position and view angles of post-construction photographs shall be identical to pre-construction photographs.

13. This Certification does not allow permanent water diversion of flow from the receiving water. This Certification is invalid if any water is permanently diverted as a part of the Project.
14. If temporary surface water diversions and/or dewatering are anticipated, the Tehama County Public Works shall develop and maintain on-site a Surface Water Diversion and/or Dewatering Plan(s). The Plan(s) shall include the proposed method and duration of diversion activities. The Surface Water Diversion and/or Dewatering Plan(s) must be consistent with this Certification.
15. When work in a flowing stream is unavoidable and any 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.
16. Any temporary dam or other artificial obstruction constructed 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.
17. The discharge of petroleum products or other excavated materials to surface water is prohibited. Activities shall not cause visible oil, grease, or foam in the receiving water. Tehama County Public Works shall notify the Central Valley Water Board as soon as practicable of any spill of petroleum products or other organic or earthen materials with written follow up within 5 days.
18. The Tehama County Public Works 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, and/or permanent impacts; and/or
 - d) amendments, modifications, revisions, extensions, and/or changes to the United States Army Corps of Engineers' Nationwide Permit #14 Letter of Permission, the United States Fish and Wildlife Service decision document(s), and/or the California Department of Fish and Wildlife Streambed Alteration Agreement.
19. ~~The Tehama County Public Works shall submit a copy of the final, signed and dated Lake or Streambed Alteration Agreement issued by the California Department of Fish and Wildlife within 14 days of issuance to the Central Valley Water Board Contact indicated in this Certification.~~

The Tehama County Public Works shall comply with all California Department of Fish and Wildlife requirements, including but not limited to those requirements described in the Lake or Streambed Alteration Agreement No. 1600-2015-0348-R1.

20. The Tehama County Public Works shall comply with all United States Fish and Wildlife Service requirements, including but not limited to those requirements described in the initial Biological Opinion (81420-2010-I-0226-1), provided to the California Department of Transportation, dated 11 December 2013.
21. The Tehama County Public Works shall comply with all National Marine Fisheries Service requirements, including but not limited to those requirements described in the Biological Opinion (2013-9541), provided to the United States Department of Commerce, National Oceanic and Atmospheric Administration, dated 7 July 2014.

Tehama County Public Works shall comply with all National Marine Fisheries Service requirements, including, but not limited to those requirements described in the Biological Opinion.

22. Tehama County Public Works shall obtain coverage under an NPDES permit for dewatering activities that result in discharges into surface water and/or shall obtain Waste Discharge Requirements (WDRs) for dewatering activities that result in discharges to land from the Central Valley Water Board.
23. The Conditions in this water quality certification are based on the information contained in the Tehama County Public Works application and in the attached "Project Information Sheet." If the Project, as described in the application and the attached Project Information Sheet, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.
24. Tehama County Public Works shall implement each of the mitigation measures specified in the approved Mitigated Negative Declaration and Subsequent/Addendum to the Mitigated Negative Declaration for the Project, as they pertain to biology, hydrology and water quality impacts as required by § 21081.6 of the Public Resource Code and § 15097 of the California Code of Regulations.
25. 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 the 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 ensure compliance with water quality standards and other pertinent requirements incorporated into this certification.
 - a) If Tehama County Public Works or a duly authorized representative of the project fails or refuses to furnish technical or monitoring reports, as required under this Order, or

falsifies any information provided in the monitoring reports, Tehama County Public Works is subject to civil monetary liabilities, for each day of violation, or criminal liability.

- b) In response to a suspected violation of any condition of this certification, Central Valley 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 Central Valley 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. (Water Code, § 1051, 13165, 13267 and 13383) In response to any violation of the conditions of this certification, the Central Valley Water Board may add to or modify the conditions of this certification as appropriate to ensure compliance.
- c) Tehama County Public Works 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.

26. Tehama County Public Works shall provide evidence of all on-site and off-site compensatory mitigation requirements, including, but not limited to, the purchase of mitigation credits, payment of in-lieu fees, or creation of non-shaded riverine aquatic habitat as stated in the Section 401 Water Quality Certification Application prior to commencing construction to the Central Valley Water Board.

Compensatory mitigation must comply with the effective policy at the time of Certification, which ensures no overall net loss of wetlands for impacts to waters of the State.

Evidence of compliance with compensatory mitigation requirements include providing a letter from the approved compensatory mitigation bank or in-lieu fee recipient. The letter must:

- a) be on the compensatory mitigation bank's or in-lieu fee recipient's letterhead;
- b) be signed by an authorized representative of the compensatory mitigation bank or in-lieu fee recipient;
- c) indicate the United States Army Corps of Engineers' SPK number;
- d) describe the Project name and location; and
- e) detail the type of compensatory mitigation credits purchased or in-lieu fees paid for the Project's impacts.

27. Staff of the Central Valley Water Board has prepared total maximum daily load (TMDL) allocations that, once approved, would limit methylmercury in storm water discharges to the Sacramento-San Joaquin Delta. The Central Valley Water Board has scheduled these proposed allocations to be considered for adoption. When the Central Valley Water Board

adopts the TMDL and once approved by the Environmental Protection Agency, the discharge of methylmercury may be limited from the proposed project. The purpose of this condition is to provide notice to Tehama County Public Works that methylmercury discharge limitations and monitoring requirements may apply to this project in the future and also to provide notice of the Central Valley Water Board's TMDL process and that elements of the planned construction may be subject to a TMDL allocation.

STORM WATER QUALITY CONDITIONS:

Tehama County Public Works shall also satisfy the following additional storm water quality conditions:

1. During the construction phase, Tehama County Public Works 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 (SWPPP) must be prepared during the project planning and design phases and before construction;
 - 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.
2. Tehama County Public Works must minimize the short and long-term impacts on receiving water quality from the Project by implementing the following post-construction storm water management practices:
 - a) minimize the amount of impervious surface;
 - b) reduce peak runoff flows;
 - c) provide treatment BMPs to reduce pollutants in runoff;
 - d) ensure existing waters of the State (e.g., wetlands, vernal pools, or creeks) are not used as pollutant source controls and/or treatment controls;
 - e) preserve and, where possible, create or restore areas that provide important water quality benefits, such as riparian corridors, wetlands, and buffer zones;
 - f) limit disturbances of natural water bodies and natural drainage systems caused by development (including development of roads, highways, and bridges);
 - g) use existing drainage master plans or studies to estimate increases in pollutant loads and flows resulting from projected future development and require incorporation of structural and non-structural BMPs to mitigate the projected pollutant load increases in surface water runoff;
 - h) identify and avoid development in areas that are particularly susceptible to erosion and sediment loss, or establish development guidance that protects areas from erosion/ sediment loss;
 - i) control post-development peak storm water run-off discharge rates and velocities to prevent or reduce downstream erosion, and to protect stream habitat.

3. Tehama County Public Works shall provide the Central Valley Water Board Contact indicated in this Certification 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 amendments approved. 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

REGIONAL WATER QUALITY CONTROL BOARD CONTACT PERSON:

~~George Day~~ Lynn Coster, Senior ~~Water Resource Control Engineer~~ Environmental Scientist, Central Valley Regional Water Quality Control Board, 364 Knollcrest Drive, Suite 205, Redding, California 96002
~~gday@waterboards.ca.gov~~ Lynn.Coster@waterboards.ca.gov (530) 224-~~4859~~ 2437

WATER QUALITY CERTIFICATION:

I hereby issue an Order certifying that any discharge from Tehama County Public Works, Amended Jellys Ferry Road Bridge Replacement Project (WDID# 5A52CR00141 a) will comply with the applicable provisions of §301 ("Effluent Limitations"), §302 ("Water Quality Related Effluent Limitations"), §303 ("Water Quality Standards and Implementation Plans"), §306 ("National Standards of Performance"), and §307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. 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 conditions of this Certification, Tehama County Public Work'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*, ~~Fourth Edition~~ Fifth Edition, revised ~~October 2014~~ April 2016 May 2018 (Basin Plan).

Any person aggrieved by this action may petition the State Water Quality Control Board to review the action in accordance with California Water Code § 13320 and California Code of Regulations, Title 23, § 2050 and following. The State Water Quality 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 Quality 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 Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.



(for) PAMELA C. CREEDON PATRICK PULUPA
Executive Officer

Enclosure: Water Quality Order No. 2003-0017 DWQ

cc w/o Mr. Matt Kelley Matthew Roberts, U.S. Army Corps of Engineers, Redding
enclosures: Department of Fish and Wildlife, Region 1, Redding
U.S. Fish and Wildlife Service, Sacramento
Mr. Bill Jennings, CALSPA, Stockton
Mr. Mike Trueblood, LSA Associates, Inc., Rocklin

cc w/o
enclosures
by email: U.S. EPA, Region 9, San Francisco
Mr. Bill Orme, SWRCB, Certification Unit, Sacramento

PROJECT INFORMATION

Amended Application Date: ~~4 September 2015 12 December 2017~~ 18 January 2019

Application Complete Date: 15 September 2015

Applicant: Tehama County Public Works
9380 San Benito Avenue
Gerber, CA 96035

Project Name: Amended Jellys Ferry Road Bridge Replacement

Application Number: WDID No. 5A52CR00141

U.S. Army Corps File Number: SPK-2008-01568

Type of Project: Bridge replacement and road realignment

Project Location: Section 3 and 34, Township 28 and 29 North, Range 3 West
Latitude: 40.3147° and Longitude: -122.1884°

County: Tehama County

Receiving Water(s) (hydrologic unit): Sacramento River, Redding Hydrologic Unit No.508.10
– Enterprise Flat HA

Water Body Type: Streambed, Wetland, and Riparian

Designated Beneficial Uses: The *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, ~~Fourth Edition~~ Fifth Edition, revised ~~October 2014~~ April 2016 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 at http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml.

Project Description (purpose/goal): The Amended Jellys Ferry Road Bridge Replacement Project is located on Jellys Ferry Road at the Sacramento River crossing approximately 9 miles north of the City of Red Bluff. The proposed project consists of replacement of the existing bridge, including realignment of Jellys Ferry Road, and relocation of a portion of the Bureau of Land Management (BLM) recreational facilities.

Construction of the proposed project would last approximately 18 months and span two construction seasons; construction is scheduled to begin in April and end in October of the

following year (e.g., April 201~~68~~ or 201~~79~~ through October 201~~78~~ or 20~~18~~20). In-water work activities in the Sacramento River would be conducted during two discreet periods: The first in-water work period would last approximately 18 weeks, from May 15 through September 30 of the first construction season; the second in-water work period would last approximately 25 weeks, from late-March through mid-September of the second construction season.

The project will permanently impact ~~0.43~~ 0.74 acre(s) and/or temporarily impact ~~4.76~~ 5.11 acre(s) of waters of the United States.

Preliminary Water Quality Concerns: Construction activities including soil disturbance, excavation, cutting/filling, and grading activities could result in increased erosion and sedimentation and may impact surface waters with increased turbidity and settleable matter.

Proposed Mitigation to Address Concerns: Tehama County Public Works will implement Best Management Practices (BMPs) to control sedimentation and erosion. All temporary affected areas will be restored to pre-construction contours and conditions upon completion of construction activities. Tehama County Public Works will conduct turbidity and settleable matter testing during in-water work, stopping work if Basin Plan criteria are exceeded or are observed.

Fill/Excavation Area: Approximately 30,000 cubic yards of clean gravel, soil, concrete, or steel piling will be placed into ~~4.76~~ 5.11 acres of waters of the United States.

Dredge Volume: N/A

California Integrated Water Quality System Impact Data: The Project will permanently impact ~~0.43~~ 0.74 acre of wetland/stream bed/riparian from fill/excavation activities.

Table 1: Impacts from Fill and/or Excavation Activities

Fill Type	Permanent			Temporary		
	Acres	Linear Feet	Cubic Yards	Acres	Linear Feet	Cubic Yards
Wetlands						
Wetlands Total	0.04 <u>0.02</u>	NA		0.34 <u>0.38</u>	NA	
Additional Non-Wetlands Waters						
Additional Non-Wetlands Waters Total	0.14 <u>0.20</u>	NA		1.84 <u>1.70</u>	NA	
Stream Channel (un-vegetated)						
Stream Total	0.04 <u>0.02</u>			0.94 <u>1.02</u>		
Riparian Area						
Riparian Area Total	0.27 <u>0.50</u>			1.67 <u>2.01</u>		
Total Impacts	0.43 <u>0.74</u>			4.76 <u>5.11</u>		

Notes
 NA Not Applicable

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

Department of Fish and Wildlife Lake or Streambed Alteration Agreement: Tehama County Public Works applied for a Lake or Streambed Alteration Agreement on 30 July 2015.

Possible Listed Species: Federally-threatened Central Valley steelhead (*Oncorhynchus mykiss*), Central Valley spring-run chinook salmon (*Oncorhynchus tshawytscha*), winter-run Chinook salmon (*Oncorhynchus tshawytscha*), Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*), and Green sturgeon (*Acipenser medirostris*). Federally-Endangered Species include the California red-legged frog (*Rana draytonii*). California Department of Fish & Wildlife (CDFW) species of special concern western pond turtle (*Actinemys marmorata marmorata*).

Status of CEQA Compliance: Tehama County Public Works Department is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Jellys Ferry Road Bridge Replacement Project pursuant to § 21000 et seq. of the Public Resources Code. Tehama County Public Works Department approved the Negative Declaration on 24 June 2014. Tehama County Public Works Department filed a Notice of Determination with the State Clearinghouse on 30 June 2014 (State Clearinghouse Number 2007082085).

Compensatory Mitigation: ~~In accordance with the Section 401 Water Quality Certification Application, Tehama County Public Works will purchase mitigation credits of 6.78 acres of riparian-shaded riverine aquatic (SRA) habitat from Freemont Landing Conservation Bank to mitigate for 2.26 acres of impacts to waters of the United States.~~

~~Additionally, Tehama County Public Works will create 7.08 acres of non-shaded riverine aquatic (non-SRA) habitat at the BLM Rancho Breisgau restoration site to mitigate for 2.36 acres of impacts to waters of the United States.~~

~~Finally, Tehama County Public Works will purchase 0.03 acres of wetland waters credits and 0.84 acres of non-wetland waters through the ACOE In-Lieu Fee Program.~~

To compensate for the loss of 0.74 acre of waters of the U.S., the applicant shall purchase 1.48 aquatic resource credits from the National Fish and Wildlife Foundation's (NFWF) Sacramento District In-Lieu Fee Program for the Northeast Sacramento River Aquatic Resource Service Area.

Evidence of this purchase and payment shall be provided to the Central Valley Water Board prior to proceeding with the activity authorized by this Certification.

Application Fee Provided: An application fee of \$30,384.00 was submitted on 4 September 2015. A total fees of \$30,384.00 has been submitted to the Central Valley Water Board as required by § 3833(b)(3)(A) and § 2200(a)(3) of the California Code of Regulations.

A Water Quality Certification fee of \$6,634.00 was submitted on 12 December 2017 for the Amended Jellys Ferry Road Bridge Replacement Project.

DISTRIBUTION LIST

Mr. Matt Kelley
U.S. Army Corps of Engineers
Redding Regulatory Office
152 Hartnell Avenue
Redding, CA 96002-1842
(Tehama, Glenn, Shasta, Plumas, Glenn, Modoc and Lassen Counties)

Ms. Mary Pakenham-Walsh,
U.S. Army Corp of Engineers
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United States Environmental Protection Agency
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San Francisco, CA 94105

United States Fish & Wildlife Service
Sacramento Fish & Wildlife Office
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Ms. Donna Cobb
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Mr. Bill Orme
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State Water Resources Control Board, Certification Unit
P.O. Box 944213
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