
Central Valley Regional Water Quality Control Board

22 April 2021

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CLEAN WATER ACT SECTION 401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION; EAST CONTRA COSTA IRRIGATION DISTRICT, ECCID INTAKE CHANNEL MAINTENANCE DREDGING PROJECT (WDID#5B07CR00230), CONTRA COSTA COUNTY

This Order responds to the 26 January 2021 application submitted by East Contra Costa Irrigation District (Applicant) for the Water Quality Certification of the ECCID Intake Channel Maintenance Dredging Project (Project), temporarily impacting 4.5 acres of waters of the United States.

This Order serves as certification of the United States Army Corps of Engineers' Individual Permit (SPK-2021-00071) under Section 401 of the Clean Water Act, and a Waste Discharge Requirement under the Porter-Cologne Water Quality Control Act and State Water Board Order 2003-0017-DWQ.

WATER QUALITY CERTIFICATION STANDARD CONDITIONS¹:

- 1. This Water Quality Certification (Certification) is not valid until coverage under Section 404 of the Clean Water Act is obtained. If the Project, including the area of impact (as described) is modified through this process, this Certification will not be valid until amended by the Central Valley Regional Water Quality Control Board (Central Valley Water Board).**
2. 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.
3. 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

¹ For compliance with Code of Federal Regulations, title 40, section 121.7, subdivision (d), please see the final enclosure to this Order.

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.

4. 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.
5. This Certification is no longer valid if the Project (as described) is modified, or coverage under Section 404 of the Clean Water Act has expired.
6. 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.
7. Any person signing a document under Standard Condition number 6 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 CONDITIONS²:

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.
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 sampling³:
 - 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.

Monitoring and reporting requirements identified in Table 1 are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383. Water Code section 13267 authorizes the regional boards to require any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste to provide technical or monitoring program reports required by the regional board. Water Code section 13383 authorizes the regional boards to establish monitoring, inspection, entry, reporting, and other recordkeeping requirements, as authorized by Water Code section 13160, for any person who discharges, or proposes to discharge, to navigable waters. The burden of preparing these reports, including costs, are reasonable in relation to the need for and benefits from obtaining the reports. The reports confirm that the measures required under this order are sufficient to protect beneficial uses and water quality objectives.

² For compliance with Code of Federal Regulations, title 40, section 121.7, subdivision (d), please see the final enclosure to this Order.

³ 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.

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.

Table 1: Sample Type and Frequency Requirements

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab ⁴	Every 4 hours during in-water work	5, 6
Visible construction related pollutants ⁷	Observations	Visual Inspections	Continuous throughout the construction period	NA

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.

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,

⁴ Grab samples shall not be collected at the same time each day to get a complete representation of variations in the receiving water.

⁵ 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.

⁶ 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.

⁷ Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.

and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. Turbidity 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.

Exceptions to the above limits will be considered when a dredging operation can cause an increase in turbidity. In those cases, an allowable zone of dilution within which turbidity in excess of the limits may be tolerated will be defined for the operation and prescribed in a discharge permit.

For Delta waters, the general objectives for turbidity apply subject to the following: except for periods of storm runoff, the turbidity of Delta waters shall not exceed 50 NTUs in the waters of the Central Delta and 150 NTUs in other Delta waters.

6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity or other water quality objectives are exceeded.
7. In-water work shall occur during periods of no precipitation. 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. Raw cement, concrete (or washing thereof), 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 waters of the United States.
12. 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 pursuant to section 13271 of the Water Code, which requires immediate notification of the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the state toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.16) of Chapter 7 of Division 1 of Title 2 of the Government Code. "Hazardous materials" is defined under Health and Safety Code section 25501.
13. 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 through the entire duration of the Project.
14. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project area.
15. All areas disturbed by Project activities shall be protected from washout and erosion.
16. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.

17. All materials resulting from the Project shall be removed from the site and disposed of properly.
18. 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.
19. 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' Individual Permit, the United States Fish and Wildlife Service decision document(s), or the California Department of Fish and Wildlife Streambed Alteration Agreement.
20. The Applicant shall submit a copy of the final, signed and dated Lake or Streambed Alteration Agreement to the Central Valley Water Board Contact within 14 days of issuance by the California Department of Fish and Wildlife.
21. If the Project will involve land disturbance activities of one or more acres, or where the Project disturbs less than one acre but is part of a larger common plan of development that in total disturbs one or more acres, the Applicant shall obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities Order No. 2009-0009-DWQ for discharges to surface waters comprised of storm water associated with construction activity.
22. 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.
23. 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, including pursuant to Water Code sections 13368 and 13385. 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 pursuant to Water Code sections 13368 and/or 13385.

- (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.

NOTIFICATIONS AND REPORTS:

- 24. 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.
- 25. 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.

CENTRAL VALLEY WATER BOARD CONTACT:

Nicholas White, Water Resource Control Engineer
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670-8114
Nicholas.White@waterboards.ca.gov
(916) 464-4856

CALIFORNIA ENVIRONMENTAL QUALITY ACT:

The Central Valley Water Board has determined that this project meets the Categorical Exemption under Sections 15301 and 15304 of the California Code of Regulations, which exempts existing facilities and minor alterations to land.

WATER QUALITY CERTIFICATION:

I hereby issue an Order certifying that any discharge from the East Contra Costa Irrigation District, ECCID Intake Channel Maintenance Dredging Project (WDID#5B07CR00230) 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, East Contra Costa Irrigation District'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

Enclosures: Project Information Sheet
Compliance with Code of Federal Regulations, Title 40, Section 121.7,
Subdivision (D)

Attachments: Figure 1 – Site and Vicinity Map
Figure 2 – Maintenance Dredging Design Plan

cc: Distribution List, page 13

PROJECT INFORMATION SHEET

Application Date: 26 January 2021

Applicant: Aaron Trott
East Contra Costa Irrigation District
1171 Sellers Avenue
Brentwood, CA 94513

Applicant Representative: Katie Chamberlin
Anchor QEA, LLC
130 Battery Street, Suite 400
San Francisco, CA 94111

Project Name: ECCID Intake Channel Maintenance Dredging Project

Application Number: WDID#5B07CR00230

Date on Public Notice: 29 January 2021

Date Application Deemed Complete: 26 February 2021

Date All Information Received: 26 January 2021

Type of Project: Non-Bioengineered Channel Construction, Maintenance and/or Bank Stabilization

Approved Months of Project Implementation: The Project will be constructed 1 August through 30 November, or as otherwise required by the Department of Fish and Wildlife.

Project Location: Township 1 North, Range 3 East, MDB&M.
Latitude: 37.917957° N and Longitude: 121.618481° W

County: Contra Costa County

Receiving Water(s) (hydrologic unit): Indian Slough, San Joaquin Hydrologic Basin, San Joaquin Delta Hydrologic Unit #544.00

Water Body Type: 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); Water Contact Recreation (REC-1); Non-Contact Water Recreation (REC-2); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); 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: Indian Slough is the receiving water for the ECCID Intake Channel Maintenance Dredging Project. Indian Slough is on the 303(d) list for chlorpyrifos, DDT, diazinon, Group A pesticides, invasive species, mercury, and unknown toxicity. This project, as conditioned with mitigation measures to prevent transport of sediment due to project activities, will minimize impacts to Indian Slough. 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/integrated2012.shtml) (http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2012.shtml).

Project Description: The ECCID Intake Channel Maintenance Dredging Project (Project) is located along the ECCID Intake Channel from Indian Slough to Bixler Road in Brentwood. The Project consists of maintenance dredging a potential volume of 92,900 cubic yards of material from the Intake Channel in order to restore sufficient channel depths for continued supply of irrigation water to ECCID serviced communities. Dredging will be conducted to a depth of -7.0 feet NAVD88, plus 2 feet of allowable over-dredge, along the 40-foot-wide channel in the West Reach, Middle Reach, and East Reach north fork. Dredging will be performed mechanically using either a land-based long-reach excavator or digging crane with clamshell bucket operating from the adjacent bank, a dragline excavator consisting of a large bucket suspended from a boom with wire dragropes that will operate from the adjacent bank, a barge-mounted excavator or digging crane with clamshell bucket that will operate within the Intake Channel, or a combination of these dredging methodologies. Dredging will occur within 4.5 acres of stream channel, as shown in Figure 2.

No dewatering will occur within the Project area. No wet concrete will be placed into the stream bed. The Project will temporarily impact 4.5 acres of waters of the United States.

This Certification covers the in-water work for the Project. The disposal of dredged materials to land is covered under General Waste Discharge Requirements for Maintenance Dredging Operations, Sacramento-San Joaquin Delta, General Order No. R5-2009-0085. The Project is assigned R5-2009-0085-0024 for the discharge to land. Sediment removed from the channel will be placed in upland areas adjacent to the Intake Channel. Berms will be constructed around the placement areas using native in situ soils, k-rail with a plastic liner, or a similar method. Small grading equipment will be used to distribute the material evenly throughout the placement area.

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

Proposed Mitigation to Address Concerns: The Applicant will implement Best Management Practices to control sedimentation and erosion. The Applicant will conduct

turbidity testing during in-water work, stopping work if Basin Plan criteria are exceeded or observations indicate an exceedance of a water quality objective.

Dredge Volume: Approximately 92,900 cubic yards of native soil will be dredged from 4.5 acres of waters of the United States.

California Integrated Water Quality System Impact Data: The Project will temporarily impact 4.5 acre of stream bed habitat from dredging activities.

Table 1: Total Project Dredge Temporary Impact Quantity

Aquatic Resource Type	Acres	Cubic Yards	Linear Feet
Stream Channel	4.5	92,900	

United States Army Corps of Engineers File Number: SPK-2021-00071

United States Army Corps of Engineers Permit Type: Individual Permit

California Department of Fish and Wildlife Lake or Streambed Alteration

Agreement: The Applicant applied for a Lake or Streambed Alteration Agreement on 31 December 2020.

Possible Listed Species: Delta smelt, Southern green sturgeon, Giant garter snake, spring-run Chinook salmon, winter-run Chinook salmon, Central Valley steelhead, and longfin smelt.

Status of CEQA Compliance: The Central Valley Water Board has determined that this project meets the Categorical Exemption, under Sections 15301 and 15304 of the California Code of Regulations, which exempts existing facilities and minor alterations to land. The Central Valley Water Board will file a Notice of Exemption with the State Clearinghouse within five (5) days of the date of this Certification.

Compensatory Mitigation: The Central Valley Water Board is not requesting compensatory mitigation for the ECCID Intake Channel Maintenance Dredging Project because total Project impacts are temporary.

Application Fee Provided: \$2,066.00 was received on 23 December 2020. 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 B - Dredging Discharges (fee code 86) with the dredge and fill fee calculator.

DISTRIBUTION LIST

Erin Campbell (SPK-2021-00071)
United States Army Corps of Engineers
Sacramento District Headquarters
Regulatory Division
SPKRegulatoryMailbox@usace.army.mil

Department of Fish and Wildlife, Region 3
AskBDR@wildlife.ca.gov

Stephanie Tadlock
Unit Supervisor
Central Valley Regional Water Quality Control Board, Sacramento Office
Stephanie.Tadlock@waterboards.ca.gov

Bill Jennings
CA Sportfishing Protection Alliance
DeltaKeep@me.com

CWA Section 401 WQC Program
Division of Water Quality
State Water Resources Control Board
Stateboard401@waterboards.ca.gov

Sam Ziegler
United States Environmental Protection Agency
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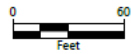
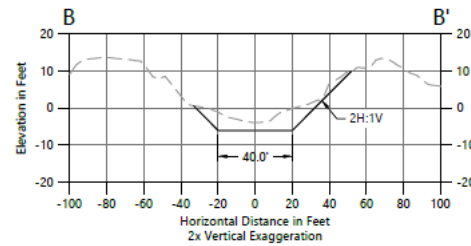
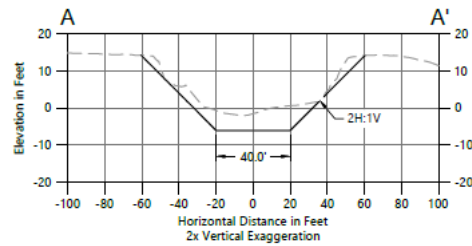
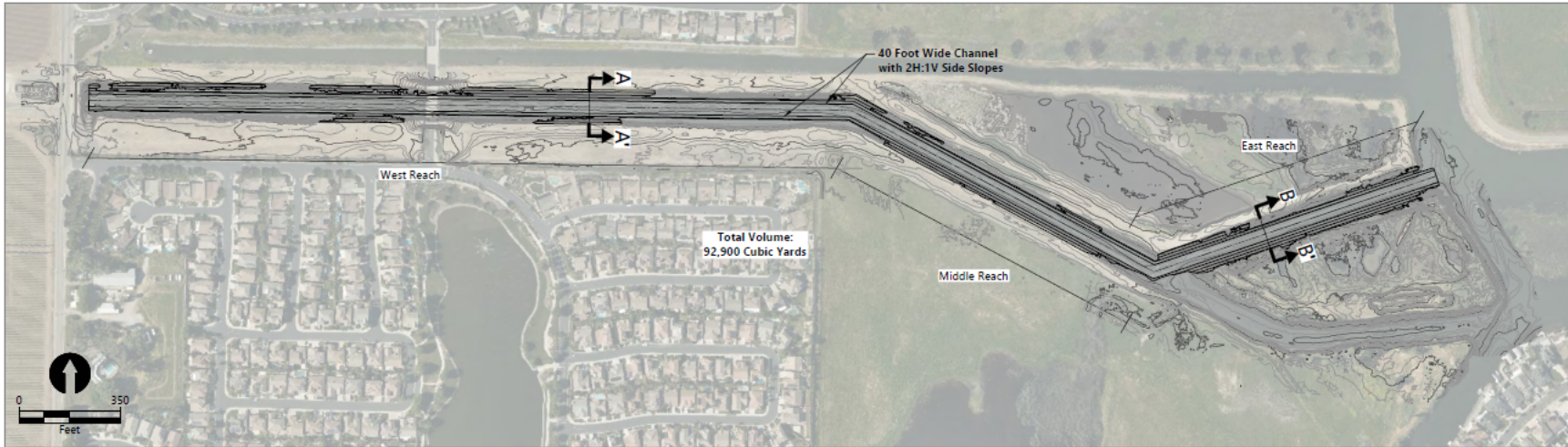
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Figure 1
Site and Vicinity Map
East Contra Costa Irrigation District Intake Channel Maintenance Dredging
East Contra Costa Irrigation District



SOURCE: Aerial ©2020 Microsoft Corporation ©2020 DigitalGlobe ©CNES (2020) Distribution Airbus DS
 HORIZONTAL DATUM: California State Plane, Zone 3, North American Datum of 1983 (NAD83), U.S. Survey Feet
 VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

NOTE: Topography shown is a composite of eTrac survey conducted on May 28, 2020, and U.S. Geological Survey (USGS) LIDAR dated 2017.

LEGEND:

Existing Topography (2' Interval)

Published Date: 2020/12/14 2:50 PM | User: mpratschner
 Filepath: K:\Projects\2129-East Contra Costa Irrigation District\Indian Slough Dredging Rag Services\2129-RP-005 DREDGE - 6 40 2to1.dwg Figure 3



Figure 2
Maintenance Dredging Design Plan
 East Contra Costa Irrigation District Intake Channel Maintenance Dredging
 East Contra Costa Irrigation District

COMPLIANCE WITH CODE OF FEDERAL REGULATIONS, TITLE 40, SECTION 121.7, SUBDIVISION (D)

The purpose of this Attachment is to comply with Code of Federal Regulations, title 40, section 121.7, subdivision (d), which requires all certification conditions to provide an explanation of why the condition is necessary to assure that any discharge authorized under the certification will comply with water quality requirements, and a citation to federal, state, or tribal law that authorizes the condition.

I. General Justification for Certification Conditions

Pursuant to Clean Water Act section 401 and California Code of Regulations, title 23, section 3859, subdivision (a) the Central Valley Water Board, when issuing water quality certifications, may set forth conditions to ensure compliance with applicable water quality standards and other appropriate requirements of state law. Under Water Code section 13160, the State Water Resources Control Board is authorized to issue water quality certifications under the Clean Water Act and has delegated this authority to the executive officers of the regional water quality controls boards for projects within the executive officer's region of jurisdiction. (Cal. Code Regs., tit. 23, § 3838.)

The conditions within the Order are generally required pursuant to the Central Valley Water Board's Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Fifth Edition, May 2018 (Basin Plan), which was adopted and is periodically revised pursuant to Water Code section 13240. The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies. For instance, the Basin Plan includes water quality objectives for oil and grease, pH, sediment, and turbidity, which ensure protection of beneficial uses.

The State Water Board's Antidegradation Policy, "Statement of Policy with Respect to Maintaining High Quality Waters in California," Resolution No. 68-16, requires that the quality of existing high-quality water be maintained unless any change will be consistent with the maximum benefit to the people of the state, will not unreasonably affect present or anticipated future beneficial uses of such water, and will not result in water quality less than that prescribed in water quality control plans or policies. The Antidegradation Policy further requires best practicable treatment or control of the discharge necessary to assure that pollution or nuisance will not occur and the highest water quality consistent with maximum benefit to the people of the state will be maintained. The Basin Plan incorporates this Policy. The Basin Plan incorporates this Policy. The state Antidegradation Policy incorporates the federal Antidegradation Policy (40 C.F.R. § 131.12 (a)(1)), which requires "[e]xisting instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected."

The State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (Dredge or Fill Procedures), adopted pursuant to Water Code

sections 13140 and 13170, authorize approval of dredge or fill projects only if the demonstrations set forth in Section IV.B.1 of the Dredge or Fill Procedures have been satisfied.

California Code of Regulations, title 23, sections 3830 et seq. set forth state regulations pertaining to water quality certifications. In particular, section 3856 sets forth information that must be included in water quality certification requests, and section 3860 sets forth standard conditions that shall be included in all water quality certification actions.

Finally, Water Code sections 13267 and 13383 authorize the regional and state boards to establish monitoring and reporting requirements for persons discharging or proposing to discharge waste.

II. Specific Justification for Standard Certification Conditions

1 & 5. Authorization under this Order is granted based on the application information submitted, including estimated impacts. Pursuant to Water Code section 13260, subdivision (c), each person discharging waste, or proposing to discharge waste shall file a report of waste discharge relative to any material change or proposed change in the character, location, or volume of the discharge. Pursuant to Water Code section 13264, subdivision (a), the Permittee is prohibited from initiating the discharge of new wastes, or making material changes to the character, volume, and timing of waste discharges authorized herein without filing a report required by Water Code section 13260 or its equivalent for certification actions under California Code of Regulations, title 23, section 3856. Additionally, consistent with 40 C.F.R. § 121.10, certification conditions are incorporated into the federal license or permit, and non-issuance or expiration of the federal permit may impact the conditions of this Order

2. This is a standard condition that “shall be included as conditions of all water quality certification actions” pursuant to California Code of Regulations, title 23, section 3860(a). This condition places the permittee on notice that the certification action may be modified or revoked following administrative or judicial review.

3. This is a standard condition that “shall be included as conditions of all water quality certification actions” pursuant to California Code of Regulations, title 23, section 3860(b). This condition clarifies the scope of the certification’s application.

4. This is a standard condition that “shall be included as conditions of all water quality certification actions” pursuant to California Code of Regulations, title 23, section 3860(c). This fee requirement condition is also required pursuant to California Code of Regulations, section 3833(b).

6 & 7. These conditions are required pursuant to Water Code section 13267, which requires any person discharging waste that could affect the quality of waters to provide to the Central Valley Water Board, under penalty of perjury, any technical or monitoring program reports as required by the Central Valley Water Board. The signatory requirements are also consistent with 40 C.F.R. section 122.22.

III. Specific Justification for Technical Certification Conditions

1. This condition is required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable Basin Plan requirements. This reporting requirement is consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

2. This condition is required pursuant to Water Code section 13264, which prohibits any discharge that is not specifically authorized in this Order. This condition ensures material will not impair surface waters, adversely affect beneficial uses, or result in exceedances of water quality objectives in the Basin Plan, including for sediment. (Basin Plan, Section 3.1.15.) Among other requirements, Section IV.B.1 of the Dredge or Fill Procedures requires that Project impacts will not cause or contribute to a degradation of waters or violate water quality standards.

3. This condition ensures any agent of the Permittee is aware of Order requirements. Such conditions within the Order are necessary to ensure that all activities will comply with applicable water quality standards and other appropriate requirements (33 U.S.C. § 1341; Cal. Code Regs., tit. 23, section 3859, subd. (a)) and cannot be adhered to if the Permittee's agents are unaware of applicable requirements. These conditions are necessary to ensure compliance with applicable water quality objectives and protection of beneficial uses found in the Basin Plan, adopted pursuant to Water Code section 13240, and detailed in the Order.

4. Monitoring and reporting requirements identified in Table 1 are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

5. This condition related to compliance with water quality objectives, including for Oil and Grease (Basin Plan Section 3.1.10), Turbidity (Basin Plan Section 3.1.21), pH (Basin Plan Section 3.1.11), and designated beneficial uses is required pursuant to the Central Valley Water Board's Basin Plan. The Basin Plan's water quality standards consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies. The Antidegradation Policy requires that the quality of existing high-quality water be maintained unless any change will be consistent with the maximum benefit to the people of the state, will not unreasonably affect present or anticipated future beneficial uses of such water, and will not result in water quality less than that prescribed in water quality control plans or policies. The Antidegradation Policy further requires best practicable treatment or control of the discharge necessary to assure that pollution or nuisance will not occur and the highest water quality consistent with maximum benefit to the people of the state will be maintained.

6. This condition is required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable water quality objectives under the Basin Plan. This reporting requirement is consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

7. Monitoring and reporting requirements identified in Table 1 are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

8. This condition is required to assure that the Project will comply with water quality objectives established for surface waters, including for Oil and Grease, and ensure protection of beneficial uses. (Basin Plan, Section 3.1.10; Dredge or Fill Procedures, Section IV.B.1.)

9-12. These conditions require measures to prevent, minimize, and/or clean up potential construction spills, including from construction equipment. For instance, fuels and lubricants associated with the use of mechanized equipment have the potential to result in toxic discharges to waters of the state in violation of the Basin Plan. (Basin Plan, Section 3.1.20; Dredge or Fill Procedures, Section IV.B.1.)

13-14. These conditions are required to assure that discharges comply with applicable water quality objectives under the Basin Plan, adopted under section 13240 of the Water Code, including for pH, oil and grease, and toxic substances. (Basin Plan, Sections 3.1.10, 3.1.11, 3.1.20; Dredge or Fill Procedures, Section IV.B.1.) Additionally, the notification and reporting requirements in the event of an accidental discharge of hazardous materials are required pursuant to section 13271 of the Water Code, which requires immediate notification of the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the state toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.16) of Chapter 7 of Division 1 of Title 2 of the Government Code. "Hazardous materials" is defined under Health and Safety Code section 25501. These reports related to accidental discharges ensure that corrective actions, if any, that are necessary to minimize the impact or clean up such discharges can be taken as soon as possible.

15. This condition assures that the Project will comply with water quality objectives established for surface waters, including for sediment, suspended material, and settleable material, and ensure protection of beneficial uses. (Basin Plan, Sections 3.1.15, 3.1.16, 3.1.17; Dredge or Fill Procedures, Section IV.B.1.)

16 & 17. These conditions require restoration to pre-project conditions consistent with the Dredge or Fill Procedures' temporary impacts provisions and to prevent continuing discharges to surface waters not in compliance with the Basin Plan. (See Basin Plan, Sections 3.1.15, 3.1.21; Dredge or Fill Procedures section IV.A.2(d) & B.4.)

18. This condition is related to dewatering and water diversion and is required to assure protection of beneficial uses and compliance with applicable water quality objectives within the Basin Plan. (Basin Plan, Section 2.1; Dredge or Fill Procedures, Section IV.B.1.) Work in waters of the state and temporary diversions must not cause exceedances of water quality objectives; accordingly, these conditions require implementation of best practicable treatments and controls to prevent pollution and nuisance, and to maintain water quality consistent with the Basin Plan, Antidegradation Policy, and Dredge or Fill Procedures. Conditions related to monitoring and reporting are required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable Basin Plan requirements. These monitoring and reporting requirements are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

19. Authorization under this Order is granted based on the application information submitted, including identification of the legally responsible party. This condition is necessary to confirm whether the new discharger wishes to assume legal responsibility for compliance with this Order. If not, the original discharger remains responsible for compliance with this Order. Pursuant to Water Code section 13260, subdivision (c), each person discharging waste, or proposing to discharge waste shall file a report of waste discharge relative to any material change or proposed change in the character, location, or volume of the discharge. Pursuant to Water Code section 13264, subdivision (a), the Permittee is prohibited from initiating the discharge of new wastes, or making material changes to the character, volume, and timing of waste discharges authorized herein without filing a report required by Water Code section 13260 or its equivalent for certification actions under California Code of Regulations, title 23, section 3856.

20 & 21. These conditions are required pursuant to California Code of Regulations, title 23, section 3856, subdivision (e), which requires that copies be provided to the Central Valley Water Board of "any final and signed federal, state, and local licenses, permits, and agreements (or copies of the draft documents, if not finalized) that will be required for any construction, operation, maintenance, or other actions associated with the activity. If no final or draft document is available, a list of all remaining agency regulatory approvals being sought shall be included."

22. Authorization under the Order is granted based on the application submitted. The Permittee is required to detail the scope of project impacts in a complete application pursuant to California Code of Regulations, title 23, section 3856, subdivision (h). Pursuant to Water Code section 13260, subdivision (c), each person discharging waste, or proposing to discharge waste shall file a report of waste discharge relative to any material change or proposed change in the character, location, or volume of the discharge. Pursuant to Water Code section 13264, subdivision (a), the Permittee is prohibited from initiating the discharge of new wastes, or making material changes to the character, volume, and timing of waste discharges authorized herein without filing a

report required by Water Code section 13260 or its equivalent for certification actions under California Code of Regulations, title 23, section 3856.

23. This condition is required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable water quality objectives under the Basin Plan. These monitoring and reporting requirements are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383. Additionally, this condition places the Permittee on notice of any violations of Order requirements pursuant to Water Code sections 13268 and/or 13385. Finally, the condition related to site access requirements is authorized pursuant to the Central Valley Water Board's authority to investigate the quality of any waters of the state within its region under Water Code sections 13267, subdivision (c), and 13383.

24 & 25. These reporting and notification conditions are required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable Basin Plan requirements. These monitoring and reporting requirements are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.