



Central Valley Regional Water Quality Control Board

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

Effective Date:	18 November 2022	<table border="1"><tr><td>Reg. Meas. ID:</td><td>449490</td></tr><tr><td>Place ID:</td><td>883658</td></tr><tr><td>WDID No.:</td><td>5B07CR00250</td></tr><tr><td>USACE No.:</td><td>SPN-2003-289020S RGP #15</td></tr></table>	Reg. Meas. ID:	449490	Place ID:	883658	WDID No.:	5B07CR00250	USACE No.:	SPN-2003-289020S RGP #15
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WDID No.:	5B07CR00250									
USACE No.:	SPN-2003-289020S RGP #15									
Expiration Date:	17 November 2022									
Program Type:	Fill/Excavation									
Project Type:	Non-Restoration Bank Stabilization									
Project:	Chaparral Loop Bank Stabilization Project (Project)									
Applicant:	East Bay Regional Park District									
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Water Board Contact Person: If you have any questions, please call Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) Staff listed above or (916) 464-3291 and ask to speak with the Water Quality Certification Unit Supervisor.

MARK BRADFORD, CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

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I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued at the request of East Bay Regional Park District (hereinafter Permittee) for the Project. This Order is for the purpose described in application and supplemental information submitted by the Permittee. The application was received on 4 October 2022. The application was deemed complete on 13 October 2022.

II. Public Notice

The Central Valley Water Board provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from 7 October 2022 to 28 October 2022. The Central Valley Water Board did not receive any comments during the comment period.

III. Project Purpose

The purpose of the Project is to stabilize a failing stream bank within a tributary to Markley Canyon Creek. The Project will address erosion into this tributary and stabilize the stream bank; therefore, the Project will serve to improve water quality and habitat conditions.

IV. Project Description

The Project is located at an unnamed tributary to Markley Canyon Creek within Black Diamond Mines Regional Preserve in Contra Costa County. The unnamed tributary is an ephemeral stream with winter flows, sandy bed, and mostly rock banks. Additionally, the existing bank consists of partially embedded wood railroad ties, which have been dislodged and are releasing sediment into the ephemeral stream.

Under the proposed project, the Permittee will remove the wood retainer and adjacent dirt. The area will be stabilized with placement of quarter ton boulders (3.5 feet wide, 8 feet long, 3.5 feet deep). The proposed Project is part of the Permittee's Routine Maintenance Program under the guidance of the United States Fish and Wildlife Biological Opinion (08ESMF00-2013-F-0416) and California Department of Fish and Wildlife Routine Maintenance Agreement (1600-2016-0269-R3). Activity will be constructed within 3 – 5 days during the dry season of 15 June 2023 through 31 October 2023. Construction equipment may include an excavator, work trucks, and hand tools. Access to the site is from Somersville Road. No removal of riparian vegetation or trees will be required.

V. Project Location

County: Contra Costa

Assessor's Parcel Number(s): 075-150-006

Nearest City: Antioch

Section 4, Township 1 North, Range 1 East, MDB&M.

Latitude: 37.95415° and Longitude: -121.86391°

Maps showing the Project location are found in Attachment A of this Order.

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of the Central Valley Water Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Fifth Edition, May 2018 (Basin Plan). The plan for the region and other plans and policies may be accessed at the [State Water Resources Control Board's Plans and Policies Web page](http://www.waterboards.ca.gov/plans_policies/) (http://www.waterboards.ca.gov/plans_policies/). 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.

It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by requiring discharges to meet maximum contaminant levels designed to protect human health and ensure that water is safe for domestic use.

Project impact and receiving waters information can be found in Attachment B. Table 1 of Attachment B shows the receiving waters and beneficial uses of waters of the state impacted by the Project. Individual impact location and quantity is shown in Table 2 of Attachment B.

VII. Description of Direct Impacts to Waters of the State

The project footprint is approximately 28 square feet within the stream bank. The stream at this location is bordered by an existing trail and building. The proposed project would result in 0.0006 acre of permanent impacts to Waters of the State. Once complete, the project will serve to address ongoing erosion of the tributary, and consequently, improve water quality.

Total Project fill/excavation quantities for all impacts are summarized in Table 1. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition.

Table 1: Total Project Fill/Excavation Quantity for Permanent Physical Loss of Area Impacts

Aquatic Resources Type	Acres	Cubic Yards	Linear Feet
Stream Channel	<0.001	1.8	

VIII. Avoidance and Minimization

To minimize the potential effects of construction on water quality and resources, the Permittee shall implement all measures required as described in the Order.

According to the Permittee, the following measures will be in place during construction activities to avoid, reduce, and minimize impacts to waters of the state:

- Project activities will be restricted to the minimum area necessary.
- All work will be conducted when the stream is dry.
- An approved biological monitor will remain on-site during all construction activities. The approved biological monitor(s) will ensure compliance with avoidance and minimization measures and will have the authority to stop any work that may result in the harm of special status species.
- Preconstruction surveys for special-status species will be performed immediately prior to groundbreaking activities. Surveys will be conducted by approved biologists. If at any point, construction activities cease for more than five consecutive days, additional preconstruction surveys will be conducted prior to the resumption of work.
- Prior to the start of each workday, an approved biologist will check under construction equipment, project vehicles, and their tires to ensure no special-status species are utilizing the equipment as temporary shelter.
- All trash and debris within the work area will be placed in containers with secure lids before the end of each workday in order to reduce the likelihood of entering nearby waterbodies and attracting predators to the site. Containers will be emptied as necessary to prevent trash overflow onto the site and all rubbish will be disposed of at an appropriate off-site location.
- The Permittee will ensure that the spread or introduction of invasive exotic plant species will be avoided to the maximum extent possible.
- Any upland areas temporarily disturbed during construction will be treated with appropriate erosion control measures. Only clean rock, other construction materials, and equipment that are free of trash, debris, and deleterious material shall be used during project activities. Work will be restricted to the dry season (August 1 through October 31).
- New concrete will not be placed or poured on-site in a location that may come into contact with any natural waterbodies.
- Prior to work, all equipment will be inspected for fuel, oil, and hydraulic leaks and will be repaired if necessary.
- Fueling of equipment and vehicles will only occur in upland areas and, where feasible, at a minimum of 100 feet from open water.
- Vehicles will be parked on pavement, existing roads, and previously disturbed areas to the maximum extent feasible.
- Silt control measures shall be utilized throughout all phases of the project where silt and/or earthen fill threatens to enter the creek. Exposed stockpiles of dirt or other loose, granular construction materials that could contribute

sediment to waterways would be enclosed and covered.

- Erosion control materials that use plastic or synthetic mono-filament netting will not be used within the action area in order to prevent listed species from becoming entangled, trapped or injured. Acceptable materials would include natural fibers such as jute, coconut, twine or other similar fibers.
- Bank stabilization material shall extend above the normal high-water mark.
- All detected erosion caused by project-related impacts shall be remedied immediately upon discovery.
- Ground disturbing activities shall occur only during daylight hours.

IX. Compensatory Mitigation

No compensatory mitigation was required for permanent impacts because impacts to waters of the state are negligible and will not negatively impact water quality or resources.

X. California Environmental Quality Act (CEQA)

On 23 August 2022, the East Bay Regional Park District, as lead agency, adopted an Initial Study/Mitigated Negative Declaration (IS/MND) (State Clearinghouse (SCH) No. 2022060373) for the Project and filed a Notice of Determination (NOD) at the SCH on 24 August 2022. Pursuant to CEQA, the Central Valley Water Board has made Findings of Facts (Findings) which support the issuance of this Order and are included in Attachment C.

XI. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XII. Fees Received

An application fee of \$2,417.00 was received on 25 July 2022. 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.

XIII. Conditions

The Central Valley Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watershed of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

A. Authorization

Impacts to waters of the state shall not exceed quantities shown in Table 1.

B. Reporting and Notification Requirements

The following section details the reporting and notification types and timing of submittals. Requirements for the content of these reporting and notification types are detailed in Attachment D, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment D, which must be signed by the Permittee or an authorized representative.

The Permittee must 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 No. Documents that are 50 MB or larger must be transferred to a disk and mailed to the Central Valley Water Board Contact.

1. Project Reporting

- a. **Monthly Reporting:** The Permittee must submit a Monthly Report to the Central Valley Water Board on the **1st day of each month** beginning the month after the submittal of the Commencement of Construction Notification. Monthly reporting shall continue until the Central Valley Water Board issues a Notice of Project Complete Letter to the Permittee.
- b. **Annual Reporting:** The Permittee shall submit an Annual Report each year on the 1st day of December, one year after the effective date of the Order. Annual reporting shall continue until the Central Valley Water Board issues a Notice of Project Complete Letter to the Permittee.

2. Project Status Notifications

- a. **Commencement of Construction:** The Permittee shall submit a Commencement of Construction Report at least seven (7) days prior to start of initial ground disturbance activities.
- b. **Request for Notice of Completion of Discharges Letter:** The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the Central Valley Water Board staff within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, Central Valley Water Board staff shall issue a

Notice of Completion of Discharges Letter to the Permittee which will end the active discharge period.

- c. Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete, and no further Project activities will occur. Completion of post-construction monitoring shall be determined by Central Valley Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria. This request shall be submitted to Central Valley Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Central Valley Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period.

3. Conditional Notifications and Reports:

The following notifications and reports are required as appropriate.

a. Accidental Discharges of Hazardous Materials¹:

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Water Code, Section 13271):

- i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
- first call – 911 (to notify local response agency)
 - then call – Office of Emergency Services (OES) State Warning Center at:(800) 852-7550 or (916) 845-8911
 - Lastly, follow the required OES, procedures as set forth in the [Office of Emergency Services' Accidental Discharge Notification Web page](#)

¹ "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Safety Code, Section 25501.)

(http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill_Booklet_Feb2014_FINAL_BW_Acc.pdf).

- ii. Following notification to OES, the Permittee shall notify Central Valley Water Board, as soon as practicable (ideally within 24 hours). Notification may be delivered via written notice, email, or other verifiable means.
- iii. Within five (5) working days of notification to the Central Valley Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.

b. Violation of Compliance with Water Quality Standards:

The Permittee shall notify the Central Valley Water Board of any event causing a violation of compliance with water quality standards. Notification may be delivered via written notice, email, or other verifiable means.

- i. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

c. In-Water Work and Diversions:

- i. The Permittee shall notify the Central Valley Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be delivered via written notice, email, or other verifiable means.
- ii. Within three (3) working days following completion of work in water or stream diversions, an In-Water Work/Diversions Water Quality Monitoring Report must be submitted to Central Valley Water Board staff.

d. Modifications to Project:

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Central Valley Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Central Valley Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order. Notification may be made in accordance with conditions in the certification deviation section of this Order.

e. Transfer of Property Ownership:

This Order is not transferable in its entirety or in part to any person or organization except after notice to the Central Valley Water Board in accordance with the following terms:

- i. The Permittee must notify the Central Valley Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the Central Valley Water Board at least 10 days prior to the transfer of ownership. The purchaser must also submit a written request to the Central Valley Water Board to be named as the permittee in a revised order.
- ii. Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.

f. Transfer of Long-Term BMP Maintenance:

If maintenance responsibility for post-construction BMPs is legally transferred, the Permittee must submit to the Central Valley Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer or designer specifications. The Permittee must provide such notification to the Central Valley Water Board with a Transfer of Long-Term BMP Maintenance Report at least 10 days prior to the transfer of BMP maintenance responsibility.

C. Water Quality Monitoring

1. General:

If surface water is present continuous visual surface water monitoring shall be conducted during active construction periods to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete). Sampling is not required in a wetland where the entire wetland is being permanently filled, provided there is no outflow connecting the wetland to surface waters. The Permittee shall perform surface water sampling:

- a. when performing any in-water work;
- b. during the entire duration of temporary surface water diversions;
- c. in the event that the Project activities result in any materials reaching surface waters; or
- d. when any activities result in the creation of a visible plume in surface waters.

2. Accidental Discharges/Noncompliance:

Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Central Valley Water

Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

3. In-Water Work or Diversions:

During planned in-water work, dewatering activities, or during the installation of removal of temporary water diversions, any discharge(s) to waters of the state shall conform to the following water quality standards:

- 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 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.

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.

Sampling during in-water work or during the entire duration of temporary water diversions shall be conducted in accordance with Table 2 sampling parameters.² The sampling requirements in Table 2 shall be conducted

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, the method shall be approved by Central Valley Water Board staff. Grab samples shall be taken between the surface and mid-depth and not be collected at the same time each day to get a complete representation of variations in the receiving water. A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-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.

upstream out of the influence of the Project, and approximately 300 feet downstream of the work area.

The sampling frequency and/or monitoring locations may be modified for certain projects with written approval from Central Valley Water Board staff. An In-Water Work and Diversion Water Quality Monitoring Report, as described in Attachment D, shall be submitted within two weeks on initiation of in-water construction, and every two weeks thereafter. In reporting the data, the Permittee 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 Order 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 in XIII.C.3.

If no sampling is required, the Permittee shall submit a written statement stating, “No sampling was required” within two weeks on initiation of in-water construction, and every two weeks thereafter.

Table 2: Sample Type and Frequency Requirements

Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Turbidity	NTU	Grab	Every 4 hours
Visible construction related pollutants ³	Observations	Visual Inspections	Continuous throughout the construction period

4. Post-Construction:

Visually inspect the Project site during the rainy season for one year following completion of active Project construction activities to ensure excessive erosion, stream instability, or other water quality pollution is not occurring in or downstream of the Project site. If water quality pollution is occurring, contact the Central Valley Water Board staff member overseeing the Project within three (3) working days. The Central Valley Water Board may require the submission of a Violation of Compliance with Water Quality Standards Report. Additional permits may be required to carry out any necessary site remediation.

³ Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.

D. Standard

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, **Chapter 28, article 6 commencing with sections 3867-3869, inclusive**. Additionally, the Central Valley Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Central Valley Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Water Code, section 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. section 1313). For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.
2. This Order is not intended and shall not be construed to apply to 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 subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.
4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act, section 401(d), the applicability of any state law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order.

E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.
2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Regional Water

Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.

3. In response to a suspected violation of any condition of this Order, the Central Valley Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem 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. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.
4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.
5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.
6. The Permittee shall adhere to all requirements in the mitigation monitoring and reporting program (MMRP) (include title and date of MMRP) which is incorporated herein by reference and any additional measures as outlined in Attachment C, CEQA Findings of Fact.
7. **Delta Regional Monitoring Program (RMP)** Delta waterways are listed Clean Water Act (CWA) Section 303(d) waterbodies as impaired for chlordane, DDT, diazinon, dieldrin, mercury, polychlorinated biphenyls, and unknown toxicity. The Delta RMP was created to coordinate the Delta-wide monitoring, reporting, and assessment of water quality necessary for understanding delta water quality conditions and trends. The current Delta RMP Monitoring Design places a focus on monitoring for constituents that are causing significant impairment in the Delta and include pesticides and toxicity, nutrients, and mercury. Monitoring is occurring now at various locations throughout the Delta. Data used from these monitoring studies will be used by the Central Valley Water Board to inform its existing control programs such as the Delta Mercury Control Program, and to inform the development of future control programs.

Permitted actions through this Order will restore and maintain additional wetland habitat in the Delta, which have the potential to affect the methylation

of mercury both within the wetland and its subsequent discharge to the Sacramento River. Further, these actions may have other impacts to other constituents that are impairing Delta waters. Because the permitted actions may impact Delta quality in both water, aquatic life, and other wildlife, the Permittee shall participate in the Delta RMP.

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment E of this Order.
 2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & Wildlife Code, sections 2050-2097) or the federal Endangered Species Act (16 U.S.C. sections 1531-1544). If a “take” will result from any act authorized under this Order held by the Permittee, the Permittee must comply with the California Endangered Species Act and federal Endangers Species Act prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.
 3. The Permittee shall grant Central Valley Water Board staff, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:
 - a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.
 - b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.
 - c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.
 - d. Sample or monitor for the purposes of assuring Order compliance.
 4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.
 5. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel
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performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.

- 6. Lake or Streambed Alteration Agreement:** The Permittee shall submit a signed copy of the California Department of Fish and Wildlife's Lake or Streambed Alteration Agreement to the Central Valley Water Board immediately upon execution and prior to any discharge to waters of the state.

G. Construction

1. Dewatering

- a. If water is present, the area must be dewatered prior to start of work.
- b. No dewatering will occur within the Project area.
- c. This Order does not allow permanent water diversion of flow from the receiving water. This Order is invalid if any water is permanently diverted as a part of the project.
- d. The Permittee shall work with the Central Valley Water Board to obtain coverage under an NPDES permit for dewatering activities that result in discharges into surface water.

2. Directional Drilling – Not Applicable

3. Dredging – Not Applicable

4. Fugitive Dust

Dust abatement activities can cause discharges of sediment to streams and uplands through application of water or other fluids. Dust abatement chemicals added to water can be hazardous to wildlife and, if allowed to enter streams, detrimental to water quality. Therefore, dust abatement activities shall be conducted so that sediment or dust abatement chemicals are not discharged into waters of the state. Dust abatement products or additives that are known to be detrimental to water quality or wildlife shall not be used, unless specific management needs are documented, and product-specific application plans are approved by Central Valley Water Board staff.

5. Good Site Management “Housekeeping”

- a. The Permittee 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. The Plan must be made available to the Central Valley Water Board staff upon request.

- b. 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 Permittee 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.
- c. All materials resulting from the Project shall be removed from the site and disposed of properly.

6. Hazardous Materials

- a. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete or the washing thereof, asphalt, paint, coating material, drilling fluids, or other substances potentially hazardous to fish and wildlife resulting from or disturbed by project-related activities is prohibited and shall be prevented from contaminating the soil and/or entering waters of the state. In the event of a prohibited discharge, the Permittee shall comply with notification requirements in sections XIII.B.3.a and XIII.B.3.b.
- b. No wet concrete will be placed into stream channel habitat.

7. Invasive Species and Soil Borne Pathogens

Prior to arrival at the project site and prior to leaving the project site, construction equipment that may contain invasive plants and/or seeds shall be cleaned to reduce the spread of noxious weeds.

8. Post-Construction Storm Water Management – Not Applicable

9. Roads

- a. The number of access routes, number and size of staging areas, and the total area of the activity must be limited to the minimum necessary to achieve the project goal. Routes and work area boundaries must be clearly demarcated.
- b. Bridges, culverts, dip crossings, or other structures must be installed so that water and in-stream sediment flow is not impeded. Appropriate design criteria, practices and materials must be used in areas where access roads intersect waters of the state.

- c. Temporary materials placed in any water of the state must be removed as soon as construction is completed at that location, and all temporary roads must be removed or re-contoured and restored according to approved re-vegetation and restoration plans.
- d. Any structure, including but not limited to, culverts, pipes, piers, and coffer dams, placed within a stream where fish (as defined in California Fish and Game Code section 45) exist or may exist, must be designed, constructed, and maintained such that it does not constitute a barrier to upstream or downstream movement of aquatic life, or cause an avoidance reaction by fish due to impedance of their upstream or downstream movement. This includes, but is not limited to, maintaining the supply of water and maintaining flows at an appropriate depth, temperature, and velocity to facilitate upstream and downstream fish migration. If any structure results in a long-term reduction in fish movement, the discharger shall be responsible for restoration of conditions as necessary (as determined by the Water Board) to secure passage of fish across the structure.
- e. A method of containment must be used below any temporary bridge, trestle, boardwalk, and/or other stream crossing structure to prevent any debris or spills from falling into the waters of the state. Containment must be maintained and kept clean for the life of the temporary stream crossing structure.

10. Sediment Control

- a. Except for activities permitted by the United States Army Corps of Engineers under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.
- b. 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 state through the entire duration of the Project.
- c. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project area.

11. Special Status Species

The following Special Status Species have the potential to occur within the Project include: Alameda whipsnake, Western pond turtle, California red-legged frog, California tiger salamander, and San Joaquin kit fox.

12. Stabilization/Erosion Control

- a. All areas disturbed by Project activities shall be protected from washout and erosion.
- b. Hydroseeding shall be performed with California native seed mix.

13. Storm Water

- a. During the construction phase, the Permittee must employ strategies to minimize erosion and the introduction of pollutants into storm water runoff. These strategies must include the following:
 - i. 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.

H. Site Specific – Not Applicable**I. Total Maximum Daily Load (TMDL) – Not Applicable****J. Mitigation for Temporary Impacts – Not Applicable****K. Compensatory Mitigation for Permanent Impacts – Not Applicable****L. Certification Deviation**

1. Minor modifications of Project locations or predicted impacts may be necessary as a result of unforeseen field conditions, necessary engineering re-design, construction concerns, or similar reasons. Some of these prospective Project modifications may have impacts on water quality. Some modifications of Project locations or predicted impacts may qualify as Certification Deviations as set forth in Attachment F. For purposes of this Certification, a "Certification Deviation" is a Project locational or impact modification that does not require an immediate amendment of the Order, because the Central Valley Water Board has determined that any potential water quality impacts that may result from the change are sufficiently addressed by the Order conditions and the CEQA Findings. After the termination of construction, this Order will be formally amended to reflect all authorized Certification Deviations and any resulting adjustments to the amount of water resource impacts and required compensatory mitigation amounts.
2. A Project modification shall not be granted a Certification Deviation if it warrants or necessitates changes that are not addressed by the Order conditions or the CEQA environmental document such that the Project impacts are not addressed in the Project's environmental document or the conditions of this Order. In this case a supplemental environmental review and different Order will be required.

XIV. Water Quality Certification

I hereby issue the Order for the Chaparral Loop Bank Stabilization Project, WDID # 5B07CR00250 certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 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).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.

Original Signed by Adam Laputz for:

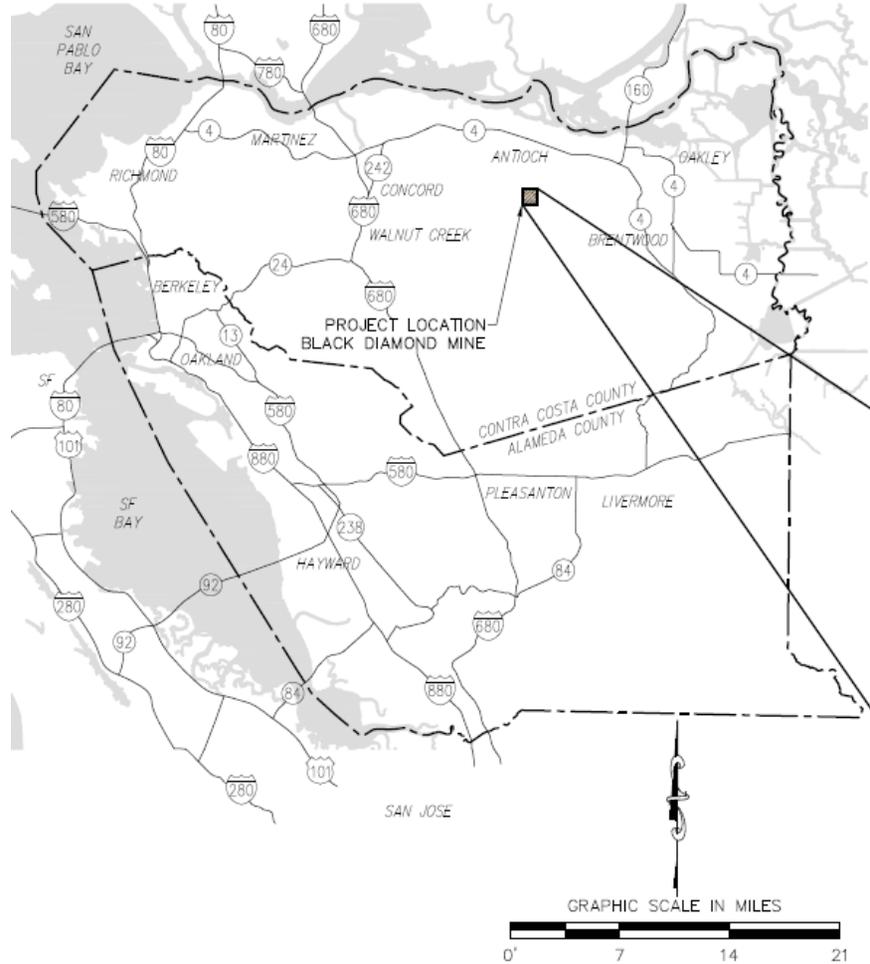
Patrick Pulupa, Executive Officer
Central Valley Regional Water Quality Control Board

- Attachment A:** Project Map(s)
- Attachment B:** Receiving Waters, Impacts, and Mitigation Information
- Attachment C:** CEQA Findings of Facts
- Attachment D:** Report and Notification Requirements
- Attachment E:** Signatory Requirements
- Attachment F:** Certification Deviation Procedures
- Attachment G:** Compliance with Code of Federal Regulations

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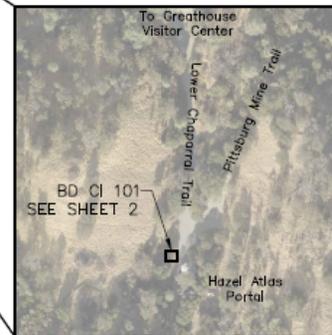
Attachment A – Project Maps

Figure 1: Vicinity Map



Chaparral Loop Bank Stabilization Project

BLACK DIAMOND MINES REGIONAL PRESERVE ANTIOCH, CA



② SITE MAP
1" = 200'

SHEET INDEX:

1. CI-1 – COVER SHEET
2. CI-2 – SITE PLAN AND SECTION

ABBREVIATIONS:

ASTM	AMERICAN SOCIETY TEST MATERIAL
BD	BLACK DIAMOND
CI	CULVERT IMPROVMENT
CY	CUBIC YARD
ø/DIA	DIAMETER
(E)	EXISTING
FL	FLOWLINE
MAX.	MAXIMUM
MIN.	MINIMUM
(N)	NEW
NO.	NUMBER
RSP	ROCK SLOPE PROTECTION
SF	SQUARE FOOT

TEMPORARY IMPACTS				PERMANENT IMPACTS			
AREA (SF)		VOLUME (CY)		AREA (SF)		VOLUME (CY)	
TOTAL	BELOW TOP OF BANK	TOTAL	BELOW TOP OF BANK	TOTAL	BELOW TOP OF BANK	TOTAL	BELOW TOP OF BANK
0	0	0	0	28	14	1.8	0.9

Figure 2: Project Location Map



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Attachment B – Receiving Waters, Impacts and Mitigation Information

The following table shows the receiving waters associated with each impact site.

Table 1: Receiving Water(s) Information

Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method (CRAM) ID
BD_RS_401	Markley Canyon Creek	Stream Channel	543.00	San Joaquin River – Delta Waterways	MUN, AGR, REC-1, REC-2, WARM, WILD	Imidacloprid, Temperature, Toxicity	

Individual Direct Impact Locations

The following tables show individual impacts.

Table 2: Individual Permanent Fill/Excavation Impact Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Acres	Cubic Yards	Linear Feet
BD_RS_401	37.95415	-121.86391	No	<0.001	1.8	

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Attachment C – CEQA Findings of Fact

A. Environmental Review

On 23 August 2022, the East Bay Regional Park District as lead agency, adopted an Initial Study/Mitigated Negative Declaration (IS/MND) (State Clearinghouse (SCH) No. 2022060373) for the Project and filed a Notice of Determination (NOD) at the SCH on 24 August 2022. The Central Valley Water Board is a responsible agency under CEQA (Public Resources Code, section 21069) and in making its determinations and findings, must presume that East Bay Regional Park District's adopted environmental document comports with the requirements of CEQA and is valid. (Public Resources Code, section 21167.3.) The Central Valley Water Board has reviewed and considered the environmental document and finds that the environmental document prepared by East Bay Regional Park District addresses the Project's water resource impacts. (California Code of Regulations, title 14, section 15096, subd. (f).) The environmental document includes the mitigation monitoring and reporting program (MMRP) developed by East Bay Regional Park District for all mitigation measures that have been adopted for the Project to reduce potential significant impacts. (Public Resources Code, section 21081.6, subd. (a)(1); California Code of Regulations, title 14, section 15074, subd. (d).)

B. Incorporation by Reference

Pursuant to CEQA, these Findings of Facts (Findings) support the issuance of this Order based on the Project IS/MND, the application for this Order, and other supplemental documentation.

All CEQA project impacts, including those discussed in subsection C below, are analyzed in detail in the Project Final IS/MND which is incorporated herein by reference. The Project IS/MND is available at:
<https://ceqanet.opr.ca.gov/2022060373/2>.

Requirements under the purview of the Central Valley Water Board in the MMRP are incorporated herein by reference.

The Permittee's application for this Order, including all supplemental information provided, are incorporated herein by reference.

C. Findings

The IS/MND describes the potential significant environmental effects to water resources that were mitigated in the IS/MND. Having considered the whole of the record, the Central Valley Water Board makes the following findings:

Mitigation measures have been required in the Project which avoid or mitigate to a less than significant level the potentially significant environmental effect as described in the IS/MND.

a.i. Less than Significant Impact:

Special-Status Plants, Special-Status Wildlife Species – Alameda Whipsnake, Special-Status Wildlife Species – California Red-Legged Frog, Special-Status Wildlife Species – Central California Tiger Salamander, Special-Status Wildlife Species – Foothill Yellow-Legged Frog, Special-Status Wildlife Species – San Joaquin Kit Fox, Special-Status Wildlife Species – Longhorn Fairy Shrimp, Vernal Pool Fairy Shrimp, and Vernal Pool Tadpole Shrimp, Special-Status Wildlife Species – Giant Garter Snake, Special-Status Wildlife Species – Ridgway’s Rail, Special-Status Wildlife Species – California Least Tern, Special-Status Wildlife Species – Western Snowy Plover, Special-Status Wildlife Species – Salt Marsh Harvest Mouse, Special-Status Wildlife Species – Tricolored Blackbird, Special-Status Wildlife Species – Delta Smelt, Special-Status Wildlife Species – Longfin Smelt, Green Sturgeon, Steelhead, Special-Status Wildlife Species – Pallid Manzanita, Special-Status Wildlife Species – San Francisco Dusky-Footed Woodrat, Special-Status Wildlife Species – Roosting Bats, Special-Status Wildlife Species – American Badger; and Water Quality: Ground-disturbing activities, such as berm/bank repair, pond restoration, clear span bridge installation, and crossing and ford installation, culvert repair and replacement, could expose soils and increase the potential for soil erosion and transport of sediment downstream. During storm events, soil erosion could occur at an accelerated rate.

a.ii. Facts in Support of Finding:

Mitigation Measure Special-Status Plants-1

- To the degree feasible, all staging locations will be on existing access roads/trails or other previously disturbed areas. Given the locations of typical routine maintenance and restoration projects, the Park District does not foresee any scenarios when it would not be feasible to locate staging areas on access roads/trails or other previously disturbed areas. However, if staging is necessary in an off-trail area with suitable habitat for special-status plants, the staging area will be included in the special status plant survey area (see below).

Mitigation Measure Special-Status Plants-2

- Before commencing the routine maintenance activity, a qualified botanist will survey potential habitat (if present) within and adjacent to the disturbance footprint of the activity, during the appropriate identification period for the targeted special-status plant species (as shown in the flowering phenology column of Appendix E). If no special-status plants are observed during appropriately timed surveys by a qualified botanist, it is assumed that the maintenance activity will have no impact on special-status plants. The surveys will be considered valid for no longer than 3 years.

Mitigation Measure Special-Status Plants-3

- If special-status plants are identified within or adjacent to the routine maintenance area, the individuals or populations will be flagged, mapped, and quantified and reported to the CNDDDB. All special-status plants will be avoided when feasible. When avoidance is feasible, a non-disturbance buffer will be established around the population during construction activities. The size of the buffer will be determined by a qualified botanist taking into consideration threats (e.g., inadvertent trampling), types of equipment to be used, and other specific RMRP activities at that location. All construction personnel will be instructed as to the location and extent of the special-status plants or populations and the importance of avoiding impacts to the species and its habitat. If avoidance is not possible, then a Rare Plant Mitigation Plan shall be designed and implemented. CDFW approval of the Rare Plant Mitigation Plan is required before implementation of an activity that could directly or indirectly impact a federally or state listed or CRPR 1A, 1B, 2A, or 2B species, and under no circumstances will state or federally listed plants be impacted without additional consultation with appropriate regulatory agencies. At a minimum, the plan shall include the following elements:
 - For annual species, seed shall be collected from plants that will be impacted, seed stored in an appropriate seed banking facility, and a portion of the seeds shall be redistributed in the project vicinity, as directed by a Park District botanist. Individual plants may also be transplanted. For perennial species, seed collection and seed banking may be augmented by transplanting entire plants or cuttings, as directed by the Park District botanist.
 - Suitable sites shall be identified and prepared for redistribution of seeds (or transplants) at mitigation ratios that are appropriate for the species lifeform (e.g., annual or perennial) and success based on performance standards calibrated by established reference populations. The plan shall outline the site preparation activities.
 - Monitoring surveys of the seeded or transplanted areas shall be conducted for a minimum of 2 years. The Park District shall prepare monitoring reports that document the monitoring results and the success of the rare plant mitigation program.
 - Mitigation will be deemed successful when the mitigation population provides the same ecological functions as the impacted population, after taking into account natural fluctuations in population size, health, etc. This will include each of the relocated species establishes at least one stable

population of approximately the same size of the impacted population, defined as species presence and population size over a 2-year period, taking into account fluctuations in local reference populations. If this goal is not achieved in 3 years, then contingency measures shall be implemented. Such measures will include evaluating the environmental or other characteristics affecting plant survival and implementing corrective measures, which may include additional seeding and planting; altering or implementing a weed control regime; or introducing or altering other management activities. Efforts shall continue until the mitigation site meets the success criteria for two consecutive years.

Mitigation Measure AWS-1

- To the extent possible, all rock outcroppings will be avoided.

Mitigation Measure AWS-2

- Within potentially suitable Alameda whipsnake habitat, construction activities will occur between June 15 and October 31, when the whipsnake are more active, capable of escaping, and less likely to be impacted.

Mitigation Measure AWS-3

- Ground disturbance and vegetation clearing in scrub/chaparral habitat will be avoided to the maximum extent possible. Where disturbance cannot be avoided in this habitat type, work shall be limited to the fall season of September to November in order to allow the young of the year time to become sufficiently capable of escaping such activities.

Mitigation Measure AWS-4

- When disturbance is taking place in known or potential Alameda whipsnake habitat, shrub/chaparral vegetation will be removed by equipment operated by hand to prevent mortality associated with mowers or other large mechanical equipment. A qualified biologist will be present during vegetation removal.

Mitigation Measure CRLF-1

- Work within California red-legged frog habitat (lentic and lotic waterbodies) will be performed only between August 31 and October 31 or under dry site conditions and will minimize potential adverse impacts to aquatic habitats.

Mitigation Measure CRLF-2

- A qualified biologist will survey the work site immediately prior to construction activities. If California red-legged frogs, tadpoles, or eggs

are found, the approved biologist shall contact USFWS and CDFW to determine if moving any of these life-stages is appropriate. In making this determination, USFWS/CDFW will consider if an appropriate relocation site exists, as provided in the USFWS-required relocation plan. If USFWS/CDFW approves of moving animals, the qualified biologist will be allowed sufficient time to move California red-legged frogs from the work site before work activities begin.

Mitigation Measure CRLF-3

- Only USFWS-approved biologists shall participate in activities associated with the capture and handling of California red-legged frogs.

Mitigation Measure CRLF-4

- Bare hands will be used to capture California red-legged frogs. USFWS-approved biologists will not use soaps, oils, creams, lotions, repellents, or solvents of any sort on their hands within 2 hours before and during periods when they are capturing and relocating individuals. To avoid transferring diseases or pathogens while handling the amphibians, USFWS-approved biologists will follow the Declining Amphibian Populations Task Force's "Code of Practice."

Mitigation Measure CTS-1

- Work within California tiger salamander aquatic habitat will be performed only between August 31 and October 31 or under dry site conditions and will minimize potential adverse impacts to aquatic habitats. All projects in known or suspected California tiger salamander breeding habitat will be identified as Tier 3 projects by the Park District. If determined necessary by CDFW based on the location and activity proposed, an ITP will be obtained prior to the commencement of work.

Mitigation Measure CTS-2

- A qualified biologist will conduct a visual encounter survey the work site immediately prior to construction activities. If an ITP has not been obtained and Central California tiger salamanders, larvae, or eggs are found, then work will be immediately halted and the CDFW will be contacted for guidance. If an ITP has been obtained, the relocation of any of these life-stages may occur as allowed in the ITP and Biological Opinion.

Mitigation Measure CTS-3

- Only USFWS- and CDFW-approved biologists will participate in activities associated with the capture, handling, and monitoring of Central California tiger salamanders.

Mitigation Measure CTS-4

- Bare hands will be used to capture Central California tiger salamanders. Approved biologists will not use soaps, oils, creams, lotions, repellents, or solvents of any sort on their hands within 2 hours before and during periods when they are capturing and relocating individuals. To avoid transferring disease or pathogens while handling the amphibians, USFWS-approved biologists will follow the Declining Amphibian Populations Task Force's "Code of Practice."

Mitigation Measure FYLF-1

- Work within foothill yellow-legged frog aquatic habitat will be performed only between August 31 and October 31 or under dry site conditions and will minimize potential adverse impacts to aquatic habitats. All projects in locations known or suspected of supporting foothill yellow-legged frog, and which include dewatering or a water diversion, will be identified as Tier 3 projects by the Park District. If determined necessary by CDFW based on the location and activity proposed, an ITP will be obtained prior to the commencement of work.

Mitigation Measure FYLF-2

- A qualified biologist will survey the work site immediately prior to construction activities. If an ITP has not been obtained and foothill yellow-legged frog, larvae, or eggs are found, then work will be immediately halted and the CDFW will be contacted for guidance. If an ITP has been obtained, the relocation of any of these life-stages may occur only as allowed in the ITP.

Mitigation Measure FYLF-3

- Only CDFW-approved biologists will participate in activities associated with the capture, handling, and monitoring of foothill yellow-legged frog.

Mitigation Measure FYLF-4

- Bare hands will be used to capture foothill yellow-legged frog. Approved biologists will not use soaps, oils, creams, lotions, repellents, or solvents of any sort on their hands within 2 hours before and during periods when they are capturing and relocating individuals. To avoid transferring disease or pathogens while handling the amphibians, USFWS-approved biologists will follow the Declining Amphibian Populations Task Force's "Code of Practice."

Mitigation Measure SJKF-1

- Preconstruction surveys for San Joaquin kit fox will be conducted in work areas and all areas within 200 feet of work areas to identify potential San Joaquin kit fox dens or other refugia. Surveys will include

den searches following methods outlined in the USFWS San Joaquin Kit Fox Survey Protocol for the Northern Range (USFWS 1999). A USFWS-approved biologist will conduct the den searches 14 to 30 days before initiation of ground-disturbing activity in each work area. Following den searches, all identified potential dens (as defined in Appendix II of the USFWS Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox Prior to or During Ground Disturbance (USFWS 2011)) will be monitored for evidence of kit fox use by placing an inert tracking medium and/or a camera station at den entrances and monitoring for at least 3 consecutive nights. The results of the surveys will be provided to USFWS and CDFW within 1 week of completion. If ground-disturbing activities cease for 28 consecutive calendar days, a USFWS- and CDFW-approved biologist will conduct a new survey for San Joaquin kit fox prior to re-initiation of ground-disturbing activities.

Mitigation Measure SJKF-2

- If no activity is detected at potential den sites, potential den sites that will be collapsed by construction activities will be closed following guidance established in the USFWS Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox Prior to or During Ground Disturbance (USFWS 2011). If kit fox occupancy is determined during any of the surveys conducted, USFWS and CDFW will be notified within 24 hours and no work will occur within 200 feet of the den unless approved by USFWS and CDFW. Appropriate buffers and avoidance measures will be developed in consultation with USFWS and CDFW. Depending on the den type, measures to avoid effects to kit foxes could include seasonal limitations on work in the area (i.e., restricting the work period to avoid spring-summer pupping season), establishing a work exclusion zone around the identified site, or resurveying the den later to determine species presence or absence.

Mitigation Measure SJKF-3

- Vehicle traffic will be restricted to established roads, construction areas, and other designated areas.

Mitigation Measure SJKF-4

- Grading activities will be designated to minimize or eliminate effects to rodent burrows. Areas with high concentrations of burrows and large burrows suitable for San Joaquin kit fox dens will be avoided by grading activities to the maximum extent possible. In addition, when concentrations of burrows or large burrows are observed within the site these areas will be staked and flagged to ensure construction personnel are aware of their location and to facilitate avoidance of these areas.

Mitigation Measure VPBR-1

- Work within 250 feet of listed vernal pool branchiopod habitat will be performed only between August 1 and October 31 under dry site conditions and will minimize potential adverse impacts to aquatic habitats.

Mitigation Measure VPBR-2

- A USFWS-approved biologist will monitor all construction activities within 250 feet of suitable habitat for listed vernal pool branchiopods to ensure that no unnecessary take or destruction of habitat occurs.

Mitigation Measure VPBR-3

- The Park District or its contractors will implement dust control measures necessary to prevent the transport of soil from exposed surfaces to vernal pool, swale, and rock pool habitat. Sprinkling with water will not be done in excess to minimize the potential for non-storm water discharge.

Mitigation Measure VPBR-4

- Routine maintenance activities within 250 feet of vernal pool and swale habitat will be avoided to the maximum extent possible.

Mitigation Measure VPBR-5

- If work within 250 feet of suitable habitat for listed vernal pool branchiopods cannot be avoided, the Park District will conduct protocol-level surveys according to USFWS's 2015 Survey Guidelines for Listed Vernal Pool Branchiopods and provide the results of the surveys to USFWS along with the preconstruction project list. If listed vernal pool branchiopods are found to be present in features within 250 feet of proposed activities (or if surveys are not conducted and presence of listed branchiopods is assumed), the Park District will design the project so that no permanent adverse effects to hydrology to the vernal pool or vernal pool complex will result from the project. The Park District will then contact USFWS for site specific approval and USFWS will help to develop appropriate site-specific conservation measures to avoid any permanent adverse effects to the hydrology of the pools. If avoidance of permanent adverse effects to hydrology is not feasible for the project, the Park District will contact the Corps and request initiation of a separate consultation for that project.

Mitigation Measure GGS-1

- Disturbance activities in known or potential giant garter snake aquatic habitat or within 200 feet of aquatic habitat will be performed only between May 1 and October 1 to avoid potential impacts to this species.

Mitigation Measure GGS-2

- Work activities will be restricted to existing roads and trails to the maximum extent possible. When existing roads and trails cannot be followed, and disturbance is in known or potential giant garter snake habitat, vegetation will be removed by hand to prevent mortality associated with mowers and other landscaping equipment.

Mitigation Measure RAIL-1

- To avoid causing the abandonment of an active Ridgway's rail or California black rail nest, activities (including construction and maintenance activities) within 700 feet of vegetated tidal marsh providing suitable breeding habitat for these species will be avoided during the breeding season from February 1 to August 31. Consequently, the allowed work window in shoreline areas extends from September 1 to January 31.

Mitigation Measure RAIL-2

- If a rail of any species is observed in or adjacent to a work area, work will be stopped immediately. If the rail is either identified as a Ridgway's rail or California black rail by the qualified biologist or cannot be positively identified, work will be stopped until the rail leaves the work area of its own volition and USFWS and CDFW will be notified. If the rail does not leave the work area, work will not be reinitiated until after USFWS and CDFW are consulted regarding appropriate avoidance measures and permission is granted by USFWS and CDFW to commence work.

Mitigation Measure LETE-1

- Maintenance activities in or within 600 feet of known or potential California least tern nesting habitat will be performed only during the non-nesting season between September 1 and January 31.

Mitigation Measure LETE-2

- To minimize open water turbidity during the California least tern breeding season, no dredging activities will occur in California least tern foraging habitat from April 1 to August 15.

Mitigation Measure SNPL-1

- Shoreline protection and dredging activities in or within 600 feet of known or potential Western snowy plover habitat (dunes, beaches, constructed islands) will be performed only during the non-nesting season between September 1 and January 31.

Mitigation Measure SNPL-2

- Should a western snowy plover be observed within or adjacent to a project area, work activities within a 50-foot radius of the bird will be suspended until the bird leaves the site voluntarily.

Mitigation Measure SMHM-1

- Impacts to pickleweed will be avoided to the maximum extent feasible. Excluding outboard wave exposed levees, any vegetation clearing to be conducted in areas containing pickleweed habitat or areas within 50 feet from the edge of pickleweed habitat will be conducted only with nonmechanized hand tools (i.e. trowel, hoe, rake, and shovel). No motorized equipment, including weed whackers or lawn mowers, will be used to remove this vegetation. Vegetation will be cleared to bare ground and removal will start at the edge farthest from the salt marsh and work towards the marsh. If a mouse of any species is observed within the areas being removed of vegetation work will cease until the mouse has left the area of its own volition.

Mitigation Measure SMHM-2

- During mowing of vegetation in habitats between 50 feet to 200 feet from pickleweed habitat potentially supporting salt marsh harvest mouse during site preparation for covered maintenance activities, mowing will start from the top (the area of least suitable habitat) and proceed downslope toward more suitable habitat so any salt marsh harvest mice present in the area to be mown can move away from the disturbance of the mower and out of the mowing area. If mowing needs to occur within 50-feet of pickleweed habitat, Mitigation Measure SMHM-1, above, will be implemented prior to mowing. Immediately prior to start of mowing (even after hand-removal), a USFWS- and CDFW-approved biologist will walk the area to be mowed to look for salt marsh harvest mice and to encourage them to move out of the area. If a salt marsh harvest mouse (or mouse that could be a salt marsh harvest mouse) is detected within the area to be mowed, no mowing will occur in that area.

Mitigation Measure SMHM-3

- For ground-disturbing activities in or within 50 feet of pickleweed habitat, construction boundaries will be well marked with flagging or stakes. The final design and proposed location of the boundary marking will be determined by a qualified biologist. The site will be surveyed throughout the day for any salt marsh harvest mouse individuals. Boundary flagging/staking will be removed immediately following work completion.

Mitigation Measure TRB-1

- If a tricolored blackbird is observed in or adjacent to a work area, work will be stopped immediately and until the bird leaves the work area of its own volition and CDFW will be notified. If the tricolored blackbird does not leave the work area, work will not be reinitiated until after the CDFW are consulted regarding appropriate avoidance measures and permission is granted by the CDFW to commence work. General Avoidance Measure #7 will also be implemented, which requires a preconstruction nesting bird survey and avoidance of active nests.

Mitigation Measure DS-1

- Disturbance activities in known or potential delta smelt habitat will be performed only between August 1 and November 30 to avoid potential impacts to this species. All projects that require work in standing water within potential delta smelt habitat will be identified as Tier 3 projects by the Park District. If determined necessary by CDFW based on the location and activity proposed, an ITP will be obtained prior to the commencement of work.

Mitigation Measure FISH-1

- All work within tidal habitat suitable for special-status fish species will be conducted at low tide when the work area is dry. To the degree feasible, work in non-tidal aquatic habitat suitable for special-status fish will be conducted when the stream/water body is naturally dry. Work within standing water where longfin smelt, green sturgeon, and/or steelhead will not be conducted without appropriate approvals by the National Marine Fisheries Service, USFWS, and/or CDFW and not without an agency approved fish relocation plan.

Mitigation Measure PM-1

- All pallid manzanita populations will be mapped using GPS prior to any construction activities. Populations or individual plants will be flagged with high visibility flagging and avoided.

Mitigation Measure PM-2

- Adjacent to or within pallid manzanita populations, encroaching brush or noxious weedy vegetation will be removed by hand to protect and prevent harm to the species.

Mitigation Measure PM-3

- A specific ingress/egress route that minimizes the potential spread of *Phytophthora cinnamomi*, will be identified by a USFWS-approved biologist when working in vicinity of extant populations of pallid manzanita. A wash station will be established at the ingress/egress location. Prior to entering or exiting the ingress/egress location, any

potentially contaminated material will be removed from all boots, hand tools, clothing, and equipment, then these items will be disinfected using 70 percent isopropanol (rubbing alcohol) or another USFWS-approved substance known to disinfect *P. cinnamomi* contaminated equipment.

Mitigation Measure PM-4

- Prior to conducting routine maintenance activities within the vicinity of known extant populations of pallid manzanitas, all personnel will attend man environmental awareness training session designed to inform all workers about the long-term effects of *P. cinnamomi*, how it is spread, and the measures to be taken to avoid spreading it.

Mitigation Measure SFWR-1

- For projects occurring within suitable habitat for San Francisco dusky-footed woodrat, a qualified biologist or biological monitor shall survey the worksite for nests within two weeks of the proposed activities. If nests of the dusky-footed woodrat are found, the biological monitor, in consultation with the qualified biologist, shall determine an appropriate buffer distance based on the type of work being conducted. If avoidance of woodrat nest(s) is not possible on a project site, the Park District shall request written permission from CDFW to conduct a phased removal of the nest(s) according to the San Francisco Dusky-Footed Woodrat Relocation Plan for the East Bay Regional Park District Routine Maintenance Activities (Appendix H) or another CDFW-approved relocation plan. No woodrat nests may be removed without written authorization from CDFW and the qualified biologist removing a nest must be approved for the task by CDFW. If any San Francisco dusky-footed woodrats are detected within the vicinity of the work site during construction, all work shall cease in the vicinity of the individuals until they move out of the area of active construction.

Mitigation Measure BATS-1

- A qualified biologist shall conduct a habitat assessment for bats at work sites where culverts, structures and/or trees would be removed or disturbed during work. The habitat assessment shall include a visual inspection of features within 50 feet of the work site for potential roosting features (bats need not be present) no more than 48 hours prior to disturbance of such features. Habitat features found during the survey shall be flagged or marked.

If any habitat features identified in the habitat assessment will be altered or directly disturbed by project activities, a phased disturbance strategy shall be employed. Non-habitat trees or structural features will be removed 1 day prior to removal of habitat features. The construction

team will not attempt to directly disturb (e.g., shake, prod) roosting features, as such disturbance constitutes "harassment".

If roosting bats (individuals or colonies, not just roosting habitat) are detected during the habitat assessment, CDFW shall be notified immediately for guidance on how to proceed.

Mitigation Measure AB-1

- If a potential American badger den is found during the required preconstruction survey, and if the den cannot be avoided, construction activities will be halted until the qualified biologist determines if the den is active. If the den is found to be active, then badgers may only be passively relocated when young are not present and in accordance with a CDFW-approved badger relocation plan.

Implementation of mitigation measures Special-Status Plants-1 and GEO-1 through GEO-6, would reduce erosion through limiting areas where RMRP activities could be staged from, limiting areas of disturbance to the smallest area possible, performing work from the top of stream banks, implementing soil erosion BMPs, and limiting work around the rainy season. Additionally, the following BMPs, described in the Project Description, would be implemented, and would reduce soil erosion:

- BMP 1 – Minimization of Work Area
- BMP 7 – Heavy Equipment Locations
- BMP 8 – Work Window
- BMP 9 – Culvert Debris Removal
- BMP 11 – Equipment Restrictions
- BMP 15 – Equipment Parking

RMRP activities within stream channels and ponds could likewise result in short term water quality impacts through the disturbance of bed, banks, and berms, which may result in increased turbidity and migration of sediment to areas downstream. Work would generally occur during the dry season when stream channel is dry. If work is must be completed in wet channels, the work area will be dewatered by diverting water around the site to maintain downstream flow as described in Chapter 2, Project Description, reducing sediment loss during construction as water will not be present to move soil downstream. Additionally, the above mitigation measures and BMPs would be implemented where appropriate.

D. Determination

The Central Valley Water Board has determined that the Project, when implemented in accordance with the MMRP and the conditions in this Order, will not result in any significant adverse water resource impacts. (California Code of Regulations, title 14, section 15096, subd (h).)

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Attachment D – Reports and Notification Requirements

I. Copies of this form

In order to identify your project, it is necessary to include a copy of the Project specific Cover Sheet below with your report; please retain for your records. If you need to obtain a copy of the Cover Sheet, you may download a copy of this Order as follows:

- A. [Central Valley Regional Water Quality Control Board's Adopted Orders Web page](https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/401_wqcerts/)
(https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/401_wqcerts/)
- B. Find your Order based on the County, Permittee, WDID No., and/or Project Name.

II. Report Submittal Instructions

- A. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting. **(See your Order for specific reports required for your Project)**
 - **Part A (Monthly and Annual Reports):** These reports will be submitted monthly and annually until a Notice of Project Complete Letter is issued.
 - **Part B (Project Status Notifications):** Used to notify the Central Valley Water Board of the status of the Project schedule that may affect Project billing.
 - **Part C (Conditional Notifications and Reports):** Required on a case by case basis for accidental discharges of hazardous materials, violation of compliance with water quality standards, notification of in-water work, or other reports.
- B. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
- C. Electronic Report Submittal Instructions:
 - Submit signed Report and Notification Cover Sheet and required information via email to: centralvalleysacramento@waterboards.ca.gov and cc: Jenna.Yang@waterboards.ca.gov.
 - Include in the subject line of the email:
ATTN: Jenna Yang; Project Name; and WDID No. 5B07CR00250

III. Definition of Reporting Terms

A. Active Discharge Period:

The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.

B. Request for Notice of Completion of Discharges Letter:

This request by the Permittee to the Central Valley Water Board staff pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. Central Valley Water Board staff will review the request and send a Completion of Discharges Letter to the Permittee upon approval. This letter will initiate the post-discharge monitoring period.

C. Request for Notice of Project Complete Letter:

This request by the Permittee to the Central Valley Water Board staff pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project activities are planned. Central Valley Water Board staff will review the request and send a Project Complete Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.

D. Post-Discharge Monitoring Period:

The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the Central Valley Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.

E. Effective Date:

18 November 2022

IV. Map/Photo Documentation Information

When submitting maps or photos, please use the following formats.

A. Map Format Information:

Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):

- **GIS shapefiles:** The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD83) in the California Teale Albers projection in feet.
- **Google KML files** saved from Google Maps: My Maps or Google Earth Pro. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- **Other electronic format** (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- Aquatic resource maps marked on paper **USGS 7.5-minute topographic maps** or **Digital Orthophoto Quarter Quads (DOQQ)** printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.

B. Photo-Documentation:

Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

V. Report and Notification Cover Sheet

Project: Chaparral Loop Bank Stabilization Project
Permittee: East Bay Regional Park District
WDID: 5B07CR00250
Reg. Meas. ID: 449490
Place ID: 883658
Order Effective Date: 18 November 2022
Order Expiration Date: 17 November 2027

VI. Report Type Submitted

A. Part A – Project Reporting

Report Type 1 Monthly Report
Report Type 2 Annual Report

B. Part B – Project Status Notifications

Report Type 3 Commencement of Construction
Report Type 4 Request for Notice of Completion of Discharges Letter
Report Type 5 Request for Notice of Project Complete Letter

C. Part C – Conditional Notifications and Reports

Report Type 6 Accidental Discharge of Hazardous Material Report
Report Type 7 Violation of Compliance with Water Quality Standards Report
Report Type 8 In-Water Work/Diversions Water Quality Monitoring Report
Report Type 9 Modifications to Project Report
Report Type 10 Transfer of Property Ownership Report
Report Type 11 Transfer of Long-Term BMP Maintenance Report

“I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.”

Print Name¹	Affiliation and Job Title
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Signature	Date
------------------	-------------

¹STATEMENT OF AUTHORIZATION (include if authorization has changed since application was submitted)

I hereby authorize _____ to act in my behalf as my representative in the submittal of this report, and to furnish upon request, supplemental information in support of this submittal.

Permittee's Signature	Date
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*This Report and Notification Cover Sheet must be signed by the Permittee or a duly authorized representative and included with all written submittals.
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A. Part A – Project Reporting

1. Report Type 1 - Monthly Report

- a. Report Purpose** - Notifies Central Valley Water Board staff of the Project status and environmental compliance activities on a monthly basis.
- b. When to Submit** - On the 1st day of each month after the submittal of the Commencement of Construction Notification until a Notice of Project Complete Letter is issued to the Permittee.

c. Report Contents -

i. Construction Summary

Describe Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water Best Management Practices (BMPs). Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control. If construction has not started, provide estimated start date.

ii. Event Summary

Describe distinct Project activities and occurrences, including environmental monitoring, surveys, and inspections.

iii. Photo Summary

Provide photos of Project activities. For each photo, include a unique site identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

iv. Compliance Summary

- List name and organization of environmental surveyors, monitors, and inspectors involved with monitoring environmental compliance for the reporting period.
- List associated monitoring reports for the reporting period.
- Summarize observed incidences of non-compliance, compliance issues, minor problems, or occurrences.
- Describe each observed incidence in detail. List monitor name and organization, date, location, type of incident, corrective action taken (if any), status, and resolution.

2. Report Type 2 - Annual Report

- a. **Report Purpose** - Notify the Central Valley Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.
- b. **When to Submit** - Annual reports shall be submitted each year on the 1st day of January. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.
- c. **Report Contents** - The contents of the annual report shall include the topics indicated below for each project period. Report contents are outlined in Annual Report Topics below.

During the Active Discharge Period

- **Topic 1: Construction Summary**
- **Topic 2: Mitigation for Temporary Impacts Status**
- **Topic 3: Compensatory Mitigation for Permanent Impacts Status**

During the Post-Discharge Monitoring Period

- **Topic 2: Mitigation for Temporary Impacts Status**
- **Topic 3: Compensatory Mitigation for Permanent Impacts Status**

- i. Annual Report Topic 1 - Construction Summary

When to Submit - With the annual report during the Active Discharge Period.

Report Contents - Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water best management practices (BMPs). If construction has not started, provide estimated start date and reasons for delay.

1) Map showing general Project progress.

2) If applicable:

a) Summary of Conditional Notification and Report Types 6 and 7 (Part C below).

b) Summary of Certification Deviations. See Certification Deviation Attachment for further information.

- ii. Annual Report Topic 2 - Mitigation for Temporary Impacts Status

When to Submit - With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.

Report Contents -

- 1) Planned date of initiation and map showing locations of mitigation for temporary impacts to waters of the state and all upland areas of temporary disturbance which could result in a discharge to waters of the state.
- 2) If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of performance standards contained in the restoration plan.
- iii. Annual Report Topic 3 - Compensatory Mitigation for Permanent Impacts Status

When to Submit - With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.

Report Contents - *If not applicable report N/A.

1) Part A. Permittee Responsible

- a) Planned date of initiation of compensatory mitigation site installation.
- b) If installation is in progress, a map of what has been completed to date.
- c) If the compensatory mitigation site has been installed, provide a final map and information concerning attainment of performance standards contained in the compensatory mitigation plan.

2) Part B. Mitigation Bank or In-Lieu Fee

- a) Status or proof of purchase of credit types and quantities.
- b) Include the name of bank/ILF Program and contact information.
- c) If ILF, location of project and type if known.

B. Part B – Project Status Notifications

1. Report Type 3 - Commencement of Construction

- a. **Report Purpose** - Notify Central Valley Water Board staff prior to the start of construction.
- b. **When to Submit** - Must be received at least seven (7) days prior to start of initial ground disturbance activities.
- c. **Report Contents** -
 - i. Date of commencement of construction.
 - ii. Anticipated date when discharges to waters of the state will occur.
 - iii. Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.

- iv. Construction Storm Water General Permit WDID No.
- v. Proof of purchase of compensatory mitigation for permanent impacts from the mitigation bank or in-lieu fee program.

2. Report Type 4 - Request for Notice of Completion of Discharges Letter

- a. Report Purpose** - Notify Central Valley Water Board staff that post-construction monitoring is required and that active Project construction, including any mitigation and permittee responsible compensatory mitigation, is complete.
- b. When to Submit** - Must be received by Central Valley Water Board staff within thirty (30) days following completion of all Project construction activities.
- c. Report Contents** -
 - i. Status of storm water Notice of Termination(s), if applicable.
 - ii. Status of post-construction storm water BMP installation.
 - iii. Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized.
 - iv. Summary of Certification Deviation discharge quantities compared to initial authorized impacts to waters of the state, if applicable.
 - v. An updated monitoring schedule for mitigation for temporary impacts to waters of the state and permittee responsible compensatory mitigation during the post-discharge monitoring period, if applicable.

3. Report Type 5 - Request for Notice of Project Complete Letter

- a. Report Purpose** - Notify Central Valley Water Board staff that construction and/or any post-construction monitoring is complete, or is not required, and no further Project activity is planned.
- b. When to Submit** - Must be received by Central Valley Water Board staff within thirty (30) days following completion of all Project activities.
- c. Report Contents** -
 - i. Part A: Mitigation for Temporary Impacts
 - 1) A report establishing that the performance standards outlined in the restoration plan have been met for Project site upland areas of temporary disturbance which could result in a discharge to waters of the state.
 - 2) A report establishing that the performance standards outlined in the restoration plan have been met for restored areas of temporary impacts to waters of the state. Pre- and post-photo documentation of all restoration sites.

- ii. Part B: Permittee Responsible Compensatory Mitigation
 - 1) A report establishing that the performance standards outlined in the compensatory mitigation plan have been met.
 - 2) Status on the implementation of the long-term maintenance and management plan and funding of endowment.
 - 3) Pre- and post-photo documentation of all compensatory mitigation sites.
 - 4) Final maps of all compensatory mitigation areas (including buffers).
- iii. Part C: Post-Construction Storm Water BMPs
 - 1) Date of storm water Notice of Termination(s), if applicable.
 - 2) Report status and functionality of all post-construction BMPs.
 - 3) Dates and report of visual post-construction inspection during the rainy season as indicated in XIV.C.4.

C. Part C – Conditional Notifications and Reports

1. Report Type 6 - Accidental Discharge of Hazardous Material Report

- a. **Report Purpose** - Notifies Central Valley Water Board staff that an accidental discharge of hazardous material has occurred.
- b. **When to Submit** - Within five (5) working days of notification to the Central Valley Water Board of an accidental discharge. Continue reporting as required by Central Valley Water Board staff.
- c. **Report Contents** -
 - i. The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted.
 - ii. If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites.
 - iii. Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

2. Report Type 7 - Violation of Compliance with Water Quality Standards Report

- a. **Report Purpose** - Notifies Central Valley Water Board staff that a violation of compliance with water quality standards has occurred.

- b. **When to Submit** - The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to Central Valley Water Board staff.
- c. **Report Contents** - The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by Central Valley Water Board staff.

3. Report Type 8 - In-Water Work and Diversions Water Quality Monitoring Report

- a. **Report Purpose** - Notifies Central Valley Water Board staff of the start and completion of in-water work. Reports the sampling results during in-water work and during the entire duration of temporary surface water diversions.
- b. **When to Submit** – At least forty-eight (48) hours prior to the start of in-water work. Within three (3) working days following the completion of in-water work. Surface water monitoring reports to be submitted two (2) weeks on initiation of in-water construction and during entire duration of temporary surface water diversions. Continue reporting in accordance with the approved water quality monitoring plan or as indicated in XIII.C.3.
- c. **Report Contents** - As required by the approved water quality monitoring plan or as indicated in XIII.C.3.

4. Report Type 9 - Modifications to Project Report

- a. **Report Purpose** - Notifies Central Valley Water Board staff if the Project, as described in the application materials, is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
- b. **When to Submit** - If Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
- c. **Report Contents** - A description and location of any alterations to Project implementation. Identification of any Project modifications that will interfere with the Permittee's compliance with the Order.

5. Report Type 10 - Transfer of Property Ownership Report

- a. **Report Purpose** - Notifies Central Valley Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.

b. When to Submit - At least 10 working days prior to the transfer of ownership.

c. Report Contents -

- i. A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts:
 - 1) the Order's requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and
 - 2) responsibility for compliance with any long-term BMP maintenance plan requirements in this Order. Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.
- ii. A statement that the Permittee has informed the purchaser to submit a written request to the Central Valley Water Board to be named as the permittee in a revised order.

6. Report Type 11 - Transfer of Long-Term BMP Maintenance Report

a. Report Purpose - Notifies Central Valley Water Board staff of transfer of long-term BMP maintenance responsibility.

b. When to Submit - At least 10 working days prior to the transfer of BMP maintenance responsibility.

c. Report Contents - A copy of the legal document transferring maintenance responsibility of post-construction BMPs.

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Attachment E – Signatory Requirements

All documents submitted in compliance with this Order shall meet the following signatory requirements:

- A.** All applications, reports, or information submitted to the Central Valley Water Quality Control Board (Central Valley Water Board) must be signed and certified as follows:
 - 1.** For a corporation, by a responsible corporate officer of at least the level of vice-president.
 - 2.** For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 - 3.** For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.

- B.** A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
 - 1.** The authorization is made in writing by a person described in items 1.a through 1.c above.
 - 2.** The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - 3.** The written authorization is submitted to the Central Valley Water Board Staff Contact prior to submitting any documents listed in item 1 above.

- C.** Any person signing a document under this section shall make the following certification:

“I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.”

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Attachment F – Certification Deviation Procedures

I. Introduction

These procedures are put into place to preclude the need for Order amendments for minor changes in the Project routing or location. Minor changes or modifications in project activities are often required by the Permittee following start of construction. These deviations may potentially increase or decrease impacts to waters of the state. In such cases, a Certification Deviation, as defined in Section XIV.L of the Order, may be requested by the Permittee as set forth below:

II. Process Steps

A. Who may apply:

The Permittee or the Permittee's duly authorized representative or agent (hereinafter, "Permittee") for this Order.

B. How to apply:

By letter or email to the 401 staff designated as the contact for this Order.

C. Certification Deviation Request:

The Permittee will request verification from the Central Valley Water Board staff that the project change qualifies as a Certification Deviation, as opposed to requiring an amendment to the Order. The request should:

1. Describe the Project change or modification:
 - a. Proposed activity description and purpose;
 - b. Why the proposed activity is considered minor in terms of impacts to waters of the state;
 - c. How the Project activity is currently addressed in the Order; and,
 - d. Why a Certification Deviation is necessary for the Project.
2. Describe location (latitude/longitude coordinates), the date(s) it will occur, as well as associated impact information (i.e., temporary or permanent, federal or non-federal jurisdiction, water body name/type, estimated impact area, etc.) and minimization measures to be implemented.
3. Provide all updated environmental survey information for the new impact area.
4. Provide a map that includes the activity boundaries with photos of the site.
5. Provide verification of any mitigation needed according to the Order conditions.
6. Provide verification from the CEQA Lead Agency that the proposed changes or modifications do not trigger the need for a subsequent environmental

document, an addendum to the environmental document, or a supplemental EIR. (Cal. Code Regs., tit. 14, §§ 15162-15164.)

D. Post-Discharge Certification Deviation Reporting:

1. Within 30 calendar days of completing the approved Certification Deviation activity, the Permittee will provide a post-discharge activity report that includes the following information:
 - a. Activity description and purpose;
 - b. Activity location, start date, and completion date;
 - c. Erosion control and pollution prevention measures applied;
 - d. The net change in impact area by water body type(s) in acres, linear feet and cubic yards;
 - e. Mitigation plan, if applicable; and,
 - f. Map of activity location and boundaries; post-construction photos.

E. Annual Summary Deviation Report:

1. Until a Notice of Completion of Discharges Letter or Notice of Project Complete Letter is issued, include in the Annual Project Report (see Construction Notification and Reporting attachment) a compilation of all Certification Deviation activities through the reporting period with the following information:
 - a. Site name(s);
 - b. Date(s) of Certification Deviation approval;
 - c. Location(s) of authorized activities;
 - d. Impact area(s) by water body type prior to activity in acres, linear feet and cubic yards, as originally authorized in the Order;
 - e. Actual impact area(s) by water body type in, acres, linear feet and cubic yards, due to Certification Deviation activity(ies);
 - f. The net change in impact area by water body type(s) in acres, linear feet and cubic yards; and
 - g. Mitigation to be provided (approved mitigation ratio and amount).

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**Attachment G - 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. This Attachment uses the same organizational structure as Section XIII of the Order, and the statements below correspond with the conditions set forth in Section XIII. The other Order Sections are not “conditions” as used in Code of Federal Regulations, title 40, section 121.7

I. General Justification for Section XIII 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 California 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. (California Code of Regulations, title 23, section 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 chemical constituents, oil and grease, pH, sediment, suspended material, toxicity 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 state Antidegradation Policy incorporates the federal Antidegradation Policy (40 C.F.R. section 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 Section XIII Conditions

A. Authorization

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.

B. Reporting and Notification Requirements

1. Project Reporting

2. Project Status Notifications

The reporting and notification conditions under Sections B.1 and B.2 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.

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.

3. Conditional Notifications and Reports

a. Accidental Discharges of Hazardous Materials

Conditions under Section B.3.a related to 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.

b. Violation of Compliance with Water Quality Standards

c. In-Water work and Diversions

Conditions under Section B.3.b and B.3.c related to monitoring and reporting on water quality standard compliance and in-water work and diversions are 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. 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.

d. Modifications to Project

Authorization under this Order is granted based on the application and supporting information submitted. Conditions under Section B.3.d are necessary to ensure that if there are modifications to the project, that the Order requirements remain applicable. 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.

e. Transfer of Property Ownership

f. Transfer of Long-Term BMP Maintenance

Authorization under this Order is granted based on the application information submitted, including identification of the legally responsible party. Conditions under Sections B.3.e and B.3.f are necessary to confirm whether the new owner 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.

C. Water Quality Monitoring

Conditions under Section C related to water quality monitoring are required to confirm that best management practices required under this Order are sufficient to protect beneficial uses and to comply with water quality objectives to protect those uses under the Basin Plan. Applicable water quality objectives and beneficial uses are identified in the Order. These monitoring 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. 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.

D. Standard

1. This Order is subject to modification or revocation

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.

2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility

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.

3. This Order is conditioned upon total payment of any fee

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).

E. General Compliance

1. Failure to comply with any condition of this Order

The condition under Section E.1 places the Permittee on notice of any violations of Order requirements. Pursuant to Water Code section 13385, subdivision (a)(2), a person who violates any water quality certification issued pursuant to Water Code section 13160 shall be liable civilly.

2. Permitted actions must not cause a violation of any applicable water quality standards

Conditions under Section E.2 related to compliance with water quality objectives and designated beneficial uses are 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. Applicable beneficial uses and water quality objectives to protect those uses include the Chemical Constituents (Basin Plan, Section 3.1.3), Oil and Grease (Basin Plan, Section 3.1.10), pH (Basin Plan, Section 3.1.11), Sediment (Basin Plan, 3.1.15), Suspended Material (3.1.17), Toxicity (Basin Plan, 3.1.20), and Turbidity (Basin Plan, Section 3.1.21) water quality objectives.

3. In response to a suspected violation of any condition of this Order, the Central Valley Water Board may require

Conditions under Section E.3 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. 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. Technical supports submitted pursuant to Water Code section 13267 are required to be submitted under penalty of perjury. 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.

4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports

Authorization under the Order is granted based on the application and supporting information submitted. The Permittee is required to detail the project description 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. Finally, compliance with conditions of the Order ensures that the Project will comply with all water quality standards and other appropriate requirements as detailed herein. (California Code of Regulations, title 23, section 3859, subdivision (a).)

5. This Order and all of its conditions herein continue to have full force and effect

This condition ensures continued compliance with applicable water quality standards and other appropriate requirements of state law. Notwithstanding any determinations by the U.S. Army Corps or other federal agency pursuant to 40 C.F.R. section 121.9, the Permittee must comply with the entirety of this certification because, pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ, this Order also serves as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act.

6. The Permittee shall adhere to all requirements in the mitigation monitoring and reporting program

This condition ensures mitigation measures required to lessen the significance of impacts to water quality identified pursuant to California Environmental Quality Act review are implemented and enforceable. Pursuant to California Code of Regulations, title 14, section 15097, subdivision (a), a public agency shall adopt a program for monitoring and reporting on mitigation measures imposed to mitigate or avoid significant environmental effects to ensure implementation.

7. Construction General Permit Requirement

Permittees are required to obtain coverage under National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ; NPDES No. CAS000002), as amended, for discharges to surface waters comprised of storm water associated with construction activity, including, but not limited to, demolition, clearing, grading, excavation, and other land disturbance activities of one or more acres, or where projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres. This is required pursuant to Clean Water Act sections 301 and 402 which prohibit certain discharges of storm water containing pollutants except in compliance with an NPDES permit. (33 U.S.C. section 1311, and 1342(p); 40 C.F.R. parts 122, 123, and 124.)

8. Delta Regional Monitoring Program (RMP)

This condition ensures continued monitoring, reporting and assessment of water quality for discharges that may impact Delta quality. The Delta waterways are listed as impaired under Clean Water Act section 303(d) for chlordane, DDT, diazinon, dieldrin, mercury, polychlorinated biphenyls, and unknown toxicity. Data from these monitoring studies is used to inform existing control programs, including the Delta Mercury Control Program under the Basin Plan. (Basin Plan, Section 4.5.4.3.)

F. Administrative

1. Signatory requirements for all document submittals

The condition for signatory requirements is 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 consistent with 40 C.F.R. section 122.22.

2. This Order does not authorize any act which results in the taking of a threatened, endangered, or candidate species

Pursuant to the California Endangered Species Act (Fish & Wildlife Code, sections 2050 et seq.) and federal Endangered Species Act (16 U.S.C. sections 1531 et seq.), the Order does not authorize any act which results in the taking of a threatened, endangered, or candidate species. In the event a Permittee requires authorization from the state or federal authorities, California Code of Regulations, title 23, section 3856(e), 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.”

3. The Permittee shall grant Central Valley Water Board staff

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 section 13267 and 13383. Water Code section 13267, subdivision (c) provides that “the regional board may inspect the facilities of any person to ascertain whether the purposes of this division are being met and waste discharge requirements are being complied with.” 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.

4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors

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. section 1341; California Code of Regulations, title 23, section 3859, subdivision (a)) and cannot be adhered to if the Permittees' 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.

5. A copy of this Order must be available at the Project site(s) during construction . . .

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. section 1341; California Code of Regulations, title 23, section 3859, subdivision (a)) and cannot be adhered to if the Permittees' 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.

6. Lake or Streambed Alteration Agreement

This condition is 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."

G. Construction

1. Dewatering

Conditions related to dewatering and diversions ensure protection of beneficial uses during construction activities. 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 and Antidegradation Policy. Further and consistent with the Dredge or Fill Procedures, section IV.A.2.c, water quality monitoring plans are required for any in-water work. Finally, dewatering activities may require a Clean Water Act section 402 permit or separate Waste Discharge Requirements under Water Code section 13263 for dewatering activities that result in discharges to land.

Conditions related to water rights permits are required pursuant to California Code of Regs, title 23, section 3856(e), which requires complete copies of any final and signed federal, state, or local licenses, permits, and agreements (or copies of drafts if not finalized) that will be required for any construction, operation, maintenance, or other actions associated with the activity.

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. 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.

2. Directional Drilling – Not Applicable

3. Dredging – Not Applicable

4. Fugitive Dust

This condition is required to assure that the discharge from the Project will comply with water quality objectives established for surface waters, including for chemical constituents and toxicity. (Basin Plan, Sections 3.1.3 & 3.1.20.) Chemicals used in dust abatement activities can result in a discharge of chemical additives and treated waters to surface waters of the state. Therefore, dust abatement activities shall be conducted so that sediment or dust abatement chemicals are not discharged into waters of the state and do not adversely affect beneficial uses. (Basin Plan, Section 2.1; Dredge or Fill Procedures, Section IV.B.1.)

5. Good Site Management “Housekeeping”

Conditions related to site management require best practices 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 water quality standards, including the toxicity and floating material water quality objectives. (Basin Plan, Sections 3.1.7 & 3.1.20.) This condition is also required pursuant to Water Code section 13264, which prohibits any discharge that is not specifically authorized in this Order. 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.

6. Hazardous Materials

Conditions related to toxic and hazardous materials are necessary to assure that discharges comply with applicable water quality objectives under the Basin Plan, adopted under section 13240 of the Water Code, including the narrative toxicity and chemical constituents water quality objectives. (Basin Plan, Sections 3.1.3, 3.1.20.) Further, conditions related to concrete/cement are required pursuant to the Basin Plan's pH water quality objective. (Basin Plan, Section 3.1.11.)

7. Invasive Species and Soil Borne Pathogens

Conditions related to invasive species and soil borne pathogens are required to ensure that discharges will not violate any water quality objectives under the Basin Plan, adopted under Water Code section 13240 of the Water Code. Invasive species and soil borne pathogens adversely affect beneficial uses designated in the Basin Plan, such as rare, threatened, or endangered species; wildlife habitat; and preservation of biological habitats of special significance. (See Basin Plan, Section 2.1.) Among other requirements, Section IV.B.1 of the Dredge or Fill Procedures requires that Project impacts will not contribute to a net loss of the overall abundance, diversity, and condition of aquatic resources; cause or contribute to a degradation of waters; or violate water quality standards.

8. Post-Construction Storm Water Management – Not Applicable

9. Roads

These conditions are required to assure that discharges will comply with water quality standards within the Basin Plan. Specifically, activities associated with road maintenance have the potential to exceed water quality objectives for oil and grease, pH, sediment, settleable materials, temperature, and turbidity. (Basin Plan, Sections 3.1.10, 3.1.11, 3.1.15, 3.1.16, 3.1.19, 3.1.21.) Further, these conditions are required to assure that they do not result in adverse impacts related to hydromodification or create barriers to fish passage and spawning activities. Among other requirements, Section IV.B.1 of the Dredge or Fill Procedures requires that Project impacts will not contribute to a net loss of the overall abundance, diversity, and condition of

aquatic resources; cause or contribute to a degradation of waters; or violate water quality standards.

10. Sediment Control

Conditions related to erosion and sediment control design requirements are required to sustain fluvial geomorphic equilibrium. Improperly designed and installed BMPs result in excess sediment, which impairs surface waters, adversely affect beneficial uses, and results in exceedance of water quality objectives in the Basin Plan, including for sediment and turbidity. (Basin Plan, Sections 3.1.15 & 3.1.21.) Among other requirements, Section IV.B.1 of the Dredge or Fill Procedures requires that Project impacts will not contribute to a net loss of the overall abundance, diversity, and condition of aquatic resources; cause or contribute to a degradation of waters; or violate water quality standards.

11. Special Status Species

See F.2 above.

12. Stabilization/Erosion Control

Conditions related to erosion and sediment control design requirements are required to sustain fluvial geomorphic equilibrium. Improperly designed and installed BMPs result in excess sediment, which impairs surface waters, adversely affect beneficial uses, and results in exceedance 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 contribute to a net loss of the overall abundance, diversity, and condition of aquatic resources; cause or contribute to a degradation of waters; or violate water quality standards.

13. Storm Water

Post-rain erosion and sedimentation problems can contribute to significant degradation of the waters of the state; therefore, it is necessary to take corrective action to eliminate such discharges in order to avoid or minimize such degradation. Implementation of control measures and best management practices described in the condition will assure compliance with water quality objectives including chemical constituents, floating material, sediment, turbidity, temperature, suspended material, and settleable material within the Basin Plan. (Basin Plan, Sections 3.1.1, 3.1.7, 3.1.15, 3.1.16, 3.1.17, 3.1.19, 3.1.21.) 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.

H. Site Specific – Not applicable

I. Total Maximum Daily Load (TMDL) – Not Applicable

J. Mitigation for Temporary Impacts – Not Applicable

K. Compensatory Mitigation for Permanent Impacts – Not Applicable

L. Certification Deviation

1. Minor modifications of Project locations or predicted impacts

2. A Project modification shall not be granted a Certification Deviation if it warrants or necessitates

Authorization under the Order is granted based on the application and supporting information submitted. Among other requirements, the Permittee is required to detail the project description 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. Project deviations may require additional or different Order conditions as authorized by law to ensure compliance with applicable water quality standards and other appropriate requirements (33 U.S.C. section 1341; California Code of Regulations, title 23, section 3859, subdivision (a)) and may result in impacts to water quality that require additional environmental review (California Code of Regulations, title 14, sections 15062-15063).