



Colorado River Basin Regional Water Quality Control Board

WASTE DISCHARGE REQUIREMENTS FOR DREDGED OR FILL DISCHARGES TO WATERS OF THE STATE

ORDER R7-2021-0016

Effective Date: July 20, 2021

Program Type: Fill/Excavation

Project Type: Underground Utility

Project: Colorado River Aqueduct Conduit Structural Protection Project
Regulatory Measure ID: 441995
WDID: 7A333227001
Place ID: 871692

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If you have any questions, please call the Colorado River Basin Regional Water Quality Control Board (Colorado River Basin Water Board) staff contact listed above or (760) 346-7491 and ask to speak with the 401 Water Quality Certification Program Manager.

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I. Order

This Order for Waste Discharge Requirements (Order) is issued at the request of the Metropolitan Water District of Southern California (Permittee) for the Colorado River Aqueduct Structural Protection Project (Project). This Order is for the purpose described in the application submitted by the Permittee. The application was received on December 17, 2020. The application was deemed complete on May 12, 2021.

II. Public Notice

The Colorado River Basin Water Board has notified the Permittee and all known interested agencies and persons of its intent to issue WDRs for this discharge and has provided them with an opportunity for a public meeting and to submit comments. The Colorado River Basin Water Board, in a public meeting, heard and considered all comments pertaining to this discharge.

III. Project Purpose

The purpose of the Project is to protect the subsurface Colorado River Aqueduct (CRA) from repeated heavy equipment loading. The original construction of the aqueduct was not designed to accommodate loads from the heavy equipment used to conduct current operations and maintenance activities.

IV. Project Description

The Project would include (1) realigning segments of the existing, unpaved access roads that cross over or are located too close to the buried siphon, (2) constructing concrete protective slabs at points where access roads cross the buried siphon and cannot be realigned, and (3) constructing crushed aggregate crane operating pads adjacent to the transition structures to support heavy equipment and ensure safe crane operations. No work is being performed on the siphons themselves. Twenty-four locations along the CRA that are vulnerable to heavy equipment loading have been identified. Of these, only the access road improvements component will result in impacts to waters of the state at 6 of the 24 locations.

Existing, unpaved roads provide access to each of the Project site locations. The Project would realign segments of the existing, unpaved access roads that are located directly on top of or adjacent to structurally vulnerable segments of the siphons.

The low water crossings are designed as earthen crossings with approximately 30-inch diameter riprap placed downstream to dissipate energy and reduce erosion. The low water crossings are designed to ensure adequate water flow and reduce sediment transport during storm events. The size of the low water crossings is dependent on the size of the existing stream channel at each Project site.

The creation of low water crossings would require rough grading and excavation to prepare the site for the placement of geotextile fabric and the 30-inch riprap.

The riprap would be placed immediately downstream of the low water crossing. Imported fill material would then be placed upstream of the riprap and graded to ensure adequate grade for the low water crossing ingress and egress points, as well as match the elevation of the drainage. The riprap and earthen fill material would be sourced from a nearby supplier and imported to the Project sites.

The low water crossings may require maintenance following larger storm events that result in erosion or sedimentation. Maintenance will typically include importing clean earthen fill material, compacting the fill, re-grading the crossing to pre-storm topography, and, if necessary, placing similarly sized to replace riprap lost during the storm event. Equipment used for maintenance includes a bulldozer, grader, excavator, roller/compactor, backhoe/loader, and water truck.

V. Project Location

The Project site is located near the cities of Desert Hot Springs and Indio, unincorporated communities of Sky Valley and Chiriaco Summit, and unincorporated Riverside County, California. In general, the Project study area is bordered by undeveloped land, including private lands, Bureau of Land Management (BLM) lands, and the southern boundary of Joshua Tree National Park, and is located within the U.S. Geological Survey (USGS) Desert Hot Springs, East Deception Canyon, and Seven Palms Valley, California 7.5" topographic quadrangle maps. 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 Colorado River Basin Water Board. Receiving waters and groundwater potentially impacted by the Project are protected in accordance with the Water Quality Control Plan for the Colorado River Basin Region (Basin Plan) and other plans and policies, which may be accessed online at: 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.

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 would permanently impact approximately 0.52 acres (975 linear feet) and temporarily impact 1.07 acres (1,578 linear feet) of habitat considered waters of the state within onsite drainages.

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 conditions only.

Table 1: Total Project Fill/Excavation Quantity

Temporary Impact¹	Permanent Impact - Physical Loss of Area	Permanent Impact - Degradation of Ecological Condition Only
1.07 acres 1,578 linear feet	0.52 acres 975 linear feet	N/A

VIII. Compensatory Mitigation

As mitigation for permanent impacts (physical loss of area) to 0.52 acres of waters of the state, the Permittee has agreed to provide mitigation at a 2:1 mitigation to impact ratio.

IX. California Environmental Quality Act (CEQA)

On January 11, 2021, the Permittee, as lead agency, adopted an Initial Study/Mitigated Negative Declaration (IS/MND) for the Project (State Clearinghouse [SCH] No. 2020100400) and filed a Notice of Determination on January 12, 2021.

As a responsible agency, the Colorado River Basin Water Board has reviewed and considered the environmental documents prepared by the Permittee and finds that they address the Project's water resource impacts. (Cal. Code Regs., tit. 14, § 15096, subd. (h).) Pursuant to CEQA, the Colorado River Basin Water Board has made Findings of Facts (Findings) which support the issuance of this Order and are included in Attachment C.

X. Petitions for Review

Any person aggrieved by the Colorado River Basin Water Board action may petition the State Water Board for review in accordance with Water Code section 13320 and California Code of Regulations, title 23, section 2050 et seq. The State Water Board must receive the petition by 5:00 p.m. on the 30th day after the adoption date of this Order; if the 30th day falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the statutes and regulations applicable to filing petitions are available on the State Water Board's website and can be provided upon request.

XI. Fees Received

An application fee of \$27,621.00 was received on December 9, 2020. The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3) and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

¹ Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state. Temporary impacts, by definition, are restored to pre-project conditions and therefore do not include a physical loss of area or degradation of ecological condition.

XII. Conditions

The Colorado River Basin 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 E, 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 E, which must be signed by the Permittee or an authorized representative.

1. Project Reporting

- a. **Monthly Reporting:** The Permittee must submit a Monthly Report to the Colorado River Basin Water Board on the 15th day of each month for the duration of the construction phase. Monthly reporting shall continue until the Colorado River Basin Water Board issues a Notice of Project Complete Letter to the Permittee and this Order is terminated by vote of the Colorado River Basin Water Board.
- b. **Annual Reporting:** The Permittee must submit an Annual Report including activities conducted for the previous fiscal year (July 1 -June 30) to the Colorado River Basin Water Board on the 1st of September. Annual Reports must be submitted even if Project construction has not begun. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the Permittee and this Order is terminated by vote of the Colorado River Basin Water Board.
- c. **Other Reporting:** If pollutants are observed in surface water, the Permittee shall submit a report to the Colorado River Basin Water Board within 30 days after encountering the pollutants and describe actions taken to correct the problem and provide photographic documentation that supports the information in the report.

If repairs are required, the Permittee shall take pictures of the area

where work needs to take place, documenting the before and after conditions of the area, and shall maintain a daily log for each site where work is taking place pursuant to this Order, while the Permittee conducts its repair activities. The log shall:

- Provide a general description of the repair work;
- Specify the date and daily starting and ending time for the repair work;
- Note key weather conditions (e.g., temperature, wind speed and direction, precipitation, if any);
- Include notes from visual observations regarding the presence/absence of construction debris/trash (e.g., discarded filter fiber) and used oil (e.g., oil that leaks from construction equipment) in the area where the work has taken place.

Within 30 days following completion of all repair work, the Permittee shall submit to the Colorado River Basin Water Board a summary report of the key daily log entries. The summary report shall include the above-mentioned before and after pictures of the conditions of the area and shall be signed by the Permittee's Project Manager.

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 Colorado River Basin Water Board staff within 30 days following completion of all Project construction activities. Upon acceptance of the request, Colorado River Basin Water Board staff will issue a Notice of Completion of Discharges Letter to the Permittee which will end the active discharge period and associated annual fees.
- 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,² and no further Project activities will occur. This request shall be submitted to Colorado River Basin Water Board staff within 30 days following completion of all Project activities. Upon approval of the request, the Colorado River Basin Water Board staff will issue a Notice of Project Complete Letter to the Permittee and prepare a draft order

² Completion of post-construction monitoring shall be determined by Colorado River Basin Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

terminating this Order for approval by vote of the Colorado River Basin Water Board. Board approval of the termination will end the post discharge monitoring period and associated annual fees.

2. Conditional Notifications and Reports:

The following notifications and reports are required as appropriate.

- a. Accidental Discharges of Hazardous Materials³:** Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):
- i. As soon as (A) the 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: http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill_Booklet_Feb2014_FINAL_BW_Acc.pdf
 - ii. Following notification to OES, the Permittee shall notify the Colorado River Basin Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
 - iii. Within five (5) working days of notification to the Colorado River Basin 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 Colorado River Basin Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
- i. Examples of noncompliance events include lack of stormwater treatment following a rain event, discharges causing a visible plume in

³ "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 & Saf. Code, § 25501.)

a water of the state, and runoff from water contact with uncured concrete.

- ii. 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:

- i. The Permittee shall notify the Colorado River Basin Water Board at least 48 hours prior to initiating work in water or stream diversions. Notification may be via telephone, e-mail, delivered written notice, 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 Colorado River Basin Water Board staff.

- d. Modifications to Project:** Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Colorado River Basin 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 Colorado River Basin Water Board staff of any Project modifications that will interfere with the Permittee's compliance with 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 Colorado River Basin Water Board in accordance with the following terms:

- i. The Permittee must notify the Colorado River Basin 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 Colorado River Basin Water Board at least 10 days prior to the transfer of ownership.
- 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 best management practices (BMPs) is legally transferred, the Permittee must submit to the Colorado River Basin 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 Colorado River Basin 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 to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).
2. **Accidental Discharges/Noncompliance:** Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Colorado River Basin 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:** For projects involving planned work in water or stream diversions, a water quality monitoring plan shall be submitted to Colorado River Basin Water Board staff for acceptance at least 30 days in advance of any discharge to the affected water body. Water quality monitoring shall be conducted in accordance with the approved plan.

Sampling shall be conducted in accordance with Table 2 sampling parameters, and work in water or stream diversionary discharge(s) to waters of the state shall conform to the following water quality standards⁴ at a minimum.

⁴ 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 Colorado River Basin Water Board's Executive Officer. 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 USEPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

Table 2: Sample Type and Frequency Requirements

Parameter	Unit of Measurement	Type of Sample	Minimum Frequency	Water Quality Objective
Oil and Grease	N/A	Visual	Continuous	25 mg/L
Dissolved Oxygen	mg/L and % saturation	Grab	Every 4 hours	≥ 5 mg/L
pH	Standard Units	Grab	Every 4 hours	6 - 9
Turbidity	NTU	Grab	Every 4 hours	Narrative ⁵
Temperature	°F (or as °C)	Grab	Every 4 hours	Narrative ⁶

In the event that water quality sampling shows an exceedance of water quality objectives notify the Colorado River Basin Water Board in the Monthly Report

- 4. Post-Construction:** The Permittee shall visually inspect the Project site during a rain event of greater than 0.1 inches that produces a discharge for five (5) years 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, the Permittee shall contact the Colorado River Basin Water Board staff member overseeing the Project within three (3) working days. The Colorado River Basin 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.

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 13320, and California Code of Regulations, title 23, division 3, chapter 6 commencing with section 2050. Additionally, the Colorado River Basin Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Colorado River Basin 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 (Wat. Code, § 13000 et seq.).
2. 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.

⁵ Waters shall be free of changes in turbidity that cause nuisance or adversely affect beneficial uses.

⁶ The natural receiving water temperature of surface waters shall not be altered by discharges of waste unless it can be demonstrated to the satisfaction of the Regional Water Board that such alteration in temperature does not adversely affect beneficial uses.

E. General Compliance

1. The Colorado River Basin Water Board reserves the right to take any enforcement action authorized by law. Accordingly, failure to timely comply with any provisions of this Order may subject the Discharger to enforcement action. Such actions include, but are not limited to, the assessment of administrative civil liability pursuant to Water Code sections 13323, 13268, and 13350, a Time Schedule Order (TSO) issued pursuant to Water Code section 13308, or referral to the California Attorney General for recovery of judicial civil liability.
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 Plan by the Colorado River Basin Water Board or in any applicable State Water Board 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 Colorado River Basin 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. 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. The Permittee shall adhere to all requirements in the mitigation monitoring and Report Program (MMRP) of the IS/MND, incorporated by reference, and any additional measures outlined in Attachment C, CEQA Findings of Fact.
6. **Construction General Permit Requirement:** The Permittee shall maintain compliance with conditions described in, and required by, the *National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities* (Order No. 2009-0009-DWQ; NPDES No. CAS000002).

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment D 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 & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a “take” will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take 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 Colorado River Basin 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 performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.
6. **Lake and Streambed Alteration Agreement** – The Permittee shall submit a signed copy of the Department of Fish and Wildlife’s lake and streambed alteration agreement to the Colorado River Basin Water Board immediately upon execution and prior to any discharge to waters of the state.

G. Construction

Good Site Management “Housekeeping”

1. The Permittee shall follow good site management “housekeeping” and implement erosion control, sediment control, and other construction-related best management practices (BMPs) depicted in Table 3 below.
2. Ground-disturbing activities in the dry washes (work area preparation, grading, clearing, grubbing, trenching, construction, and decommissioning activities) shall comply with biological monitoring standards outlined in the issued Streambed Alteration Agreement or other Department of Fish and Wildlife agreement and be subject to approval by the Colorado River Basin Water Board.
3. The area of vegetation and soil disturbance shall be restricted to the smallest extent possible.
4. After completing construction activities, any disturbed areas shall be restored to pre-existing contours and conditions to the extent feasible.

Table 3: BMPs

Type of BMP	BMP	Application
Construction BMPs	Erosion control	Implement erosion control BMPs to mitigate soil erosion, minimize soil loss from wind erosion, and to reduce air pollution during construction activities for all disturbed areas. Examples: mulch, straw, wood chips, soil application, lot perimeter protection per county standards, bonded fiber matrix or stabilized fiber matrix, physical stabilization erosion control blanket.
	Velocity reduction	Implement velocity reduction BMPs to reduce water/runoff velocity. Examples: energy dissipater outlet protection.
	Sediment control	Implement sediment control BMPs to remove sediment loads from runoff generated within the construction site for all disturbed areas. Examples: silt fence, fiber rolls, gravel bags, dewatering filtration.
	Off-site sediment tracking control	Implement off-site sediment tracking control BMPs for reducing the transport of sediment on tires off, and within, construction site. Examples: stabilized construction entrance, construction road stabilization, entrance/exit tire wash, entrance/exit inspection and cleaning facility.
	General site and materials management	Implement general site and materials management BMPs for materials and waste management. Examples: material delivery and storage management, spill prevention and control, concrete waste management, solid waste management, sanitary waste management, hazardous waste management.

Type of BMP	BMP	Application
Low Impact Development (LID)	Conservation of natural drainages	Implement LID BMPs to conserve natural drainages. Examples: minimize disturbances of natural areas, construct in least environmentally sensitive areas.
	Minimize disturbances to natural drainages	Implement LID BMPs to minimize disturbances to natural drainages. Examples: avoid disturbing natural swales and topographic depressions, construction setback from creeks.
	Minimize impervious surfaces	Implement LID BMPs to reduce impervious surfaces through efficient site design. Examples: preserve existing vegetation, permeable roads with minimum widths.
	Minimize soil compaction	Implement LID BMPs to minimize soil compaction. Examples: protect native soil and vegetation from construction equipment.
	Drain runoff from impervious surfaces to pervious areas	Implement LID BMPs to drain runoff from impervious surfaces to pervious areas.
	Hydrologic design	Implement LID BMPs for optimizing hydrologic design. Examples: infiltration trenches or basins, depression areas for infiltration, bio-filters such as vegetated or rock swales.
	Permeable pavement design	Implement LID BMPs using permeable pavement design. Examples: pervious concrete, permeable asphalt concrete/pavers, granular material.
	LID road design	Implement LID BMPs for road design. Examples: permeable roads, reduction of overall road coverage, direct runoff to vegetated swales.
Post-Construction BMPs	Protection of channel banks/manufactured slopes	Implement channel protection BMPs to protect banks of the channels as well as the slopes.
	Outlet protection	Implement outlet protection BMPs to reduce discharge/water velocity. Examples: energy dissipater outlet protection, velocity dissipation devices.

Hazardous Materials

5. No toxic and/or hazardous materials shall be stored near or within wash/drainage areas. To the extent practicable, these materials shall be stored offsite and placed in appropriate secondary containment.
6. Spoil sites shall not be located where spoil could be washed back into the stream channel or where spoil covers aquatic or riparian vegetation. Any materials placed in seasonally dry portions of the drainage areas that could be washed downstream or could be harmful to aquatic life shall be removed from the streambed prior to inundation by high flows.
7. No fueling or maintenance of equipment or vehicles shall occur adjacent or within the wash/drainage areas.

Roads

8. Work and staging areas and temporary access routes shall be sized, located, and flagged to limit potential impacts to natural areas. Previously-disturbed areas shall be used to the extent feasible.

Sediment Control

9. The Permittee shall implement sediment control BMPs to remove sediment loads from runoff generated within the construction site for all disturbed areas.
10. The Permittee shall implement off-site sediment tracking control BMPs for reducing the transport of sediment on tires off of and within the construction site.

Stabilization/Erosion Control

11. The Permittee shall implement erosion control BMPs to mitigate soil erosion, minimize soil loss from wind erosion, and to reduce air pollution during construction activities for all disturbed areas.

Stormwater

12. Work in or around ephemeral dry washes or stream channels shall not be conducted during rain events.
13. The Permittee shall develop and implement a Stormwater Pollution Prevention Plan (SWPPP) that complies with the requirements of the State Water Board's Construction General Permit.
14. Post-construction, the Permittee shall implement channel protection BMPs to protect banks of the channels as well as the slopes.
15. Post-construction, the Permittee shall implement outlet protection BMPs to reduce discharge/water velocity.

H. Compensatory Mitigation for Temporary and Permanent Impacts⁷**1. Total Required Compensatory Mitigation**

- a. The Permittee is required to provide compensatory mitigation for the authorized impact to 0.52 acres of waters of the state by purchasing 1.04 acres (a 2:1 mitigation to impact ratio) of desert woodland wash preservation credits at a Colorado River Basin Water Board-approved mitigation bank or in-lieu fee program.
- b. Total required, Project-compensatory mitigation information for

⁷ Compensatory Mitigation is for permanent physical loss and permanent ecological degradation of a water of the state.

temporary and permanent physical loss of area is summarized in Table 4:

Table 4: Required Project Compensatory Mitigation for Permanent Impacts

Aquatic Res. Type	Comp. Mit. Type ⁸	Est. ⁹	Re-est.	Reh.	Enh.	Pres.	Unknown
Desert wash woodland	MB	--	--	--	--	1.04 acres	--

2. Compensatory Mitigation Plan

a. The Permittee agreed to provide compensatory mitigation for impacts to waters of the U.S via participation in a mitigation bank, for a total of 1.04 acres of preservation credits. The Permittee has chosen to purchase credits from the Desert Tortoise Umbrella Conservation Bank, which has been approved by the U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Wildlife (CDFW). The bank provides an alternative to Permittee-responsible compensatory mitigation by preserving and protecting protect aquatic resources on a watershed basis that is integrated with ongoing conservation activities in the Colorado River Basin Region.

3. Purchase of Mitigation Credits by Permittee for Compensatory Mitigation

- a. A copy of the fully executed agreement for the purchase of mitigation credits shall be provided to the Colorado River Basin Water Board within 90 days of authorized impacts.
- b. The Permittee shall retain responsibility for providing the compensatory mitigation and long-term management until Colorado River Basin Water Board staff has received documentation of the credit purchase and the transfer agreement between the Permittee and the seller of credits.

4. Restoration of Temporary Impact Areas

The Permittee shall restore all areas of temporary impacts to waters of the state and all Project site upland areas of temporary disturbance which could result in a discharge to waters of the state.

⁸ Compensatory mitigation types may be: In-Lieu-Fee (ILF); Mitigation Bank (MB); Permittee-Responsible (PR).

⁹ Methods of mitigation: establishment (Est.), reestablishment (Re-est.), rehabilitation (Reh.), enhancement (Enh.), preservation (Pres.). Unknown applies to advance credits with an unknown method and or location.

XIII. Conclusion

I, PAULA RASMUSSEN, Executive Officer, hereby certify that the following is a full, true, and correct copy of the order adopted by the California Regional Water Quality Control Board, Colorado River Basin Region, on July 20, 2021.

Original Signed By

PAULA RASMUSSEN

Executive Officer

Attachment A Maps

Attachment B Receiving Waters, Impact, and Mitigation Information

Attachment C CEQA Findings of Fact

Attachment D Signatory Requirements

Attachment E Reporting Requirements

Attachment A
Project Maps

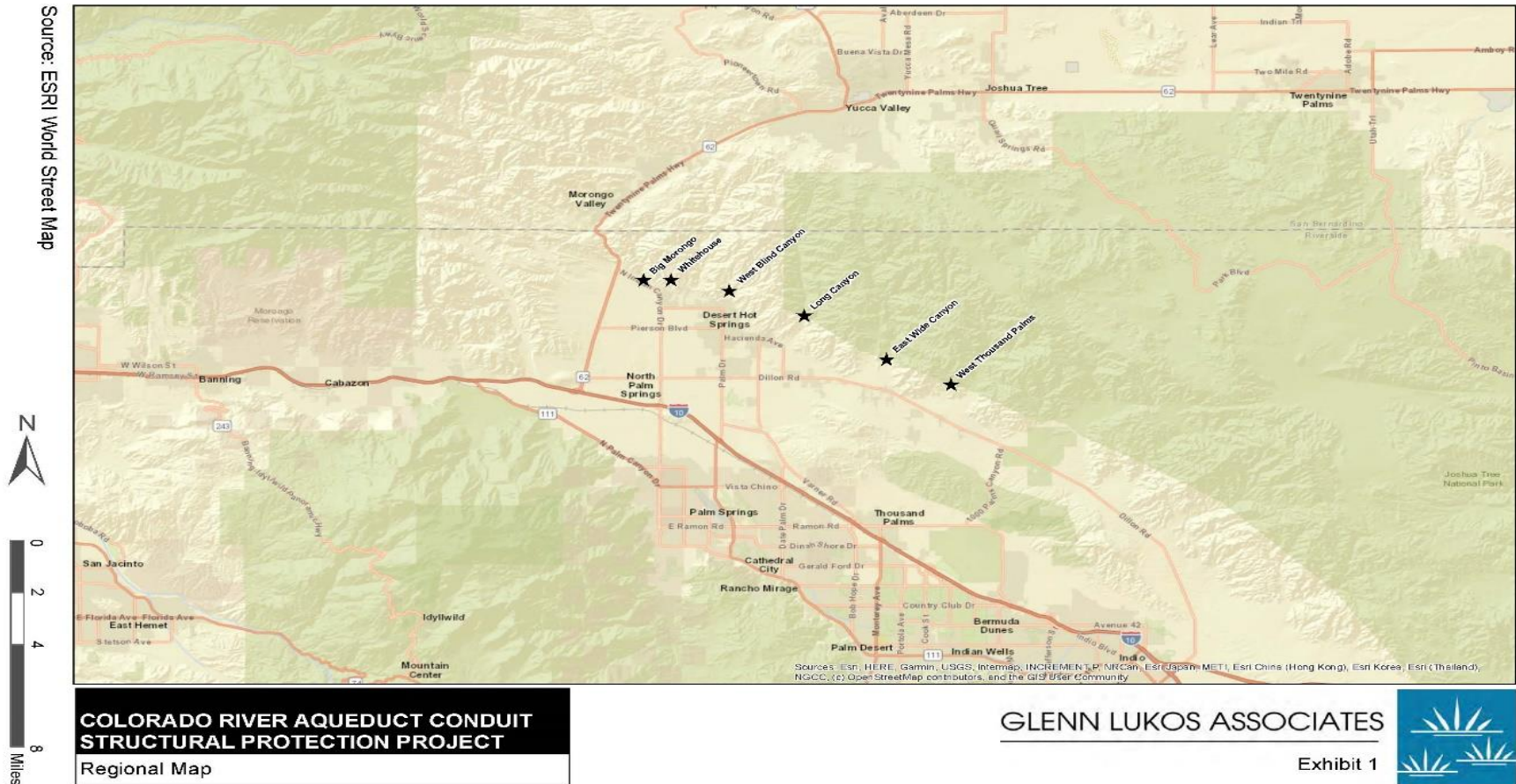


Figure 1 Regional Map

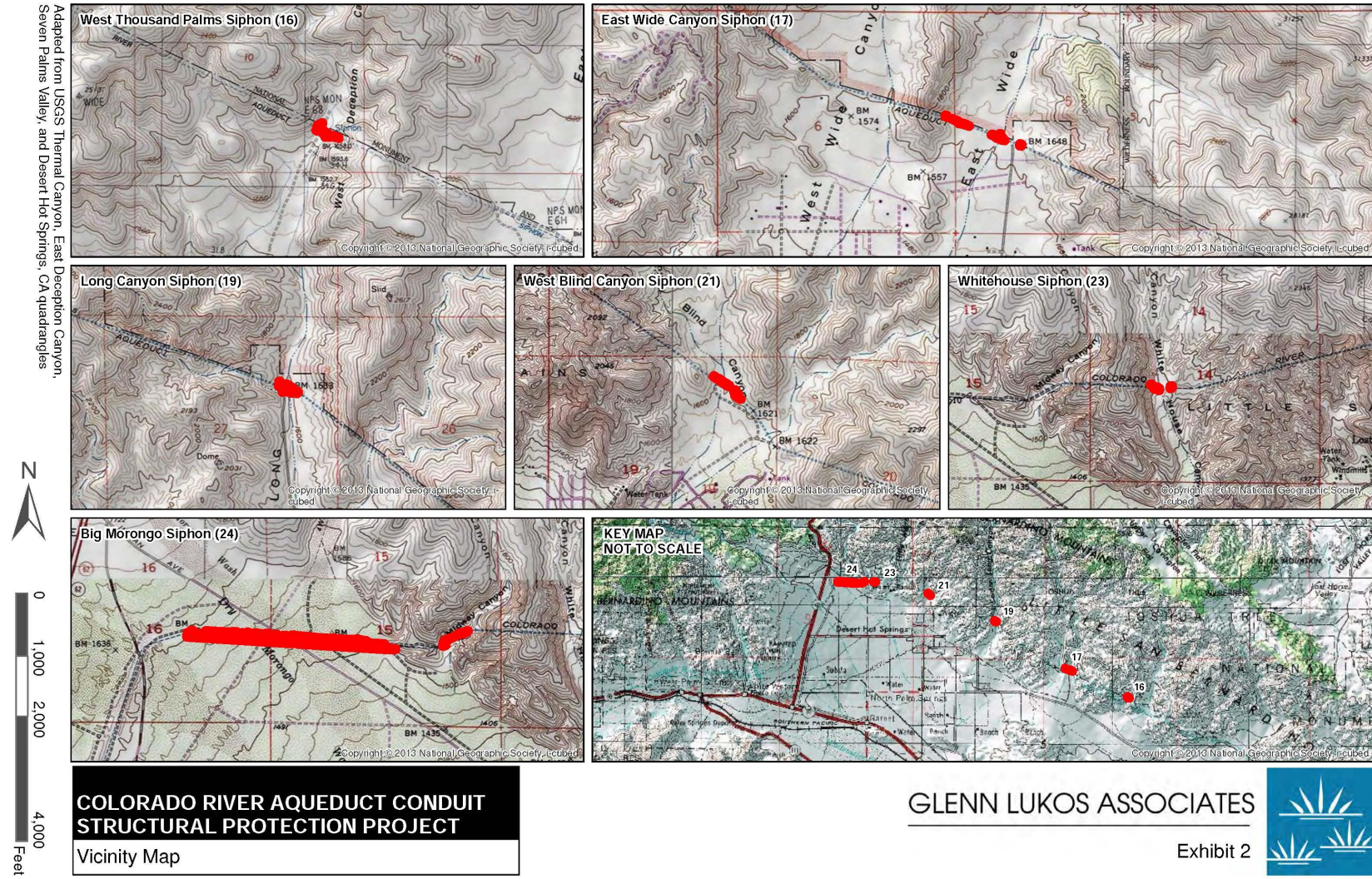


Figure 2 Vicinity Map

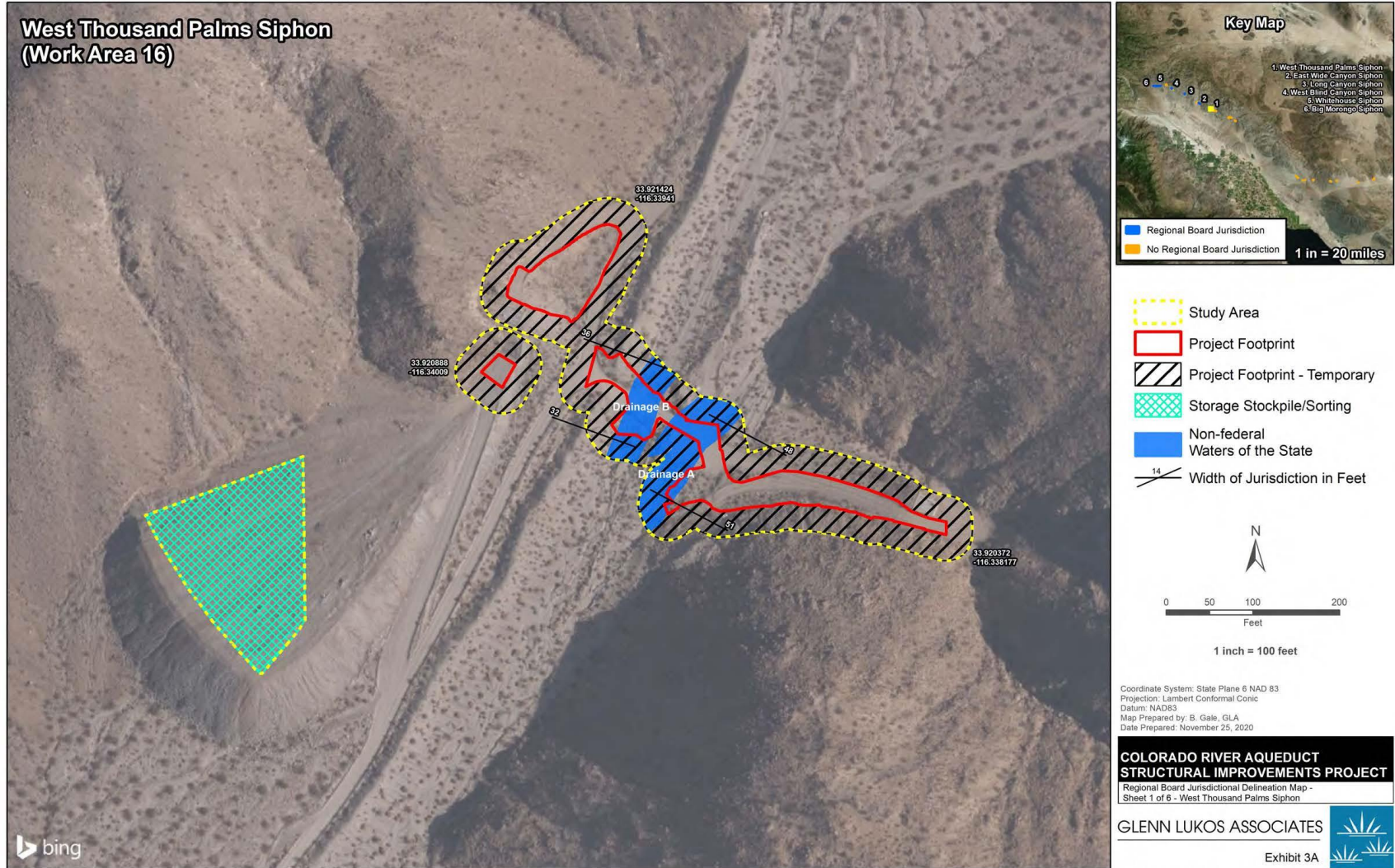


Figure 3 Work Area 16



Figure 4 Work Area 17

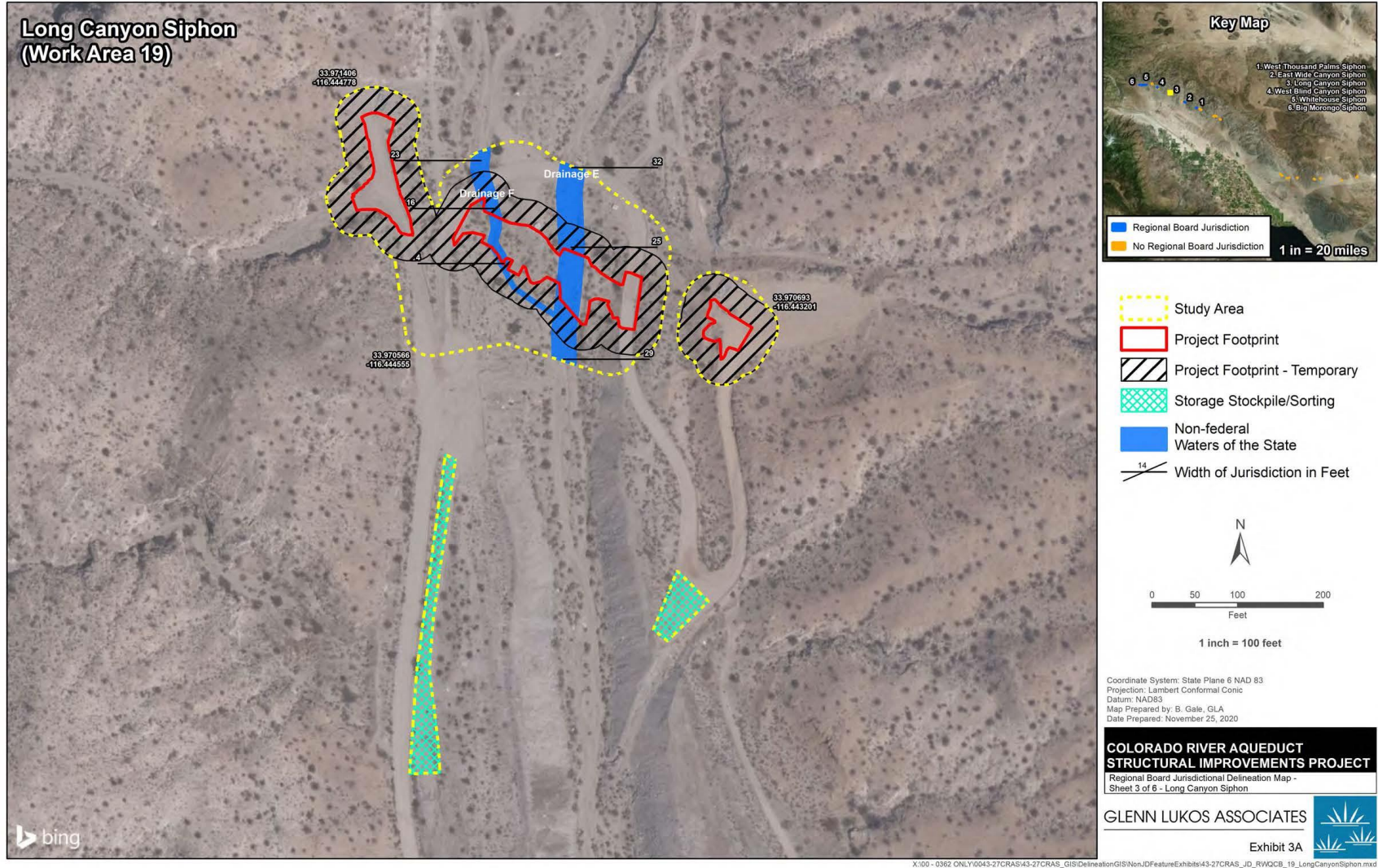


Figure 5 Work Area 19

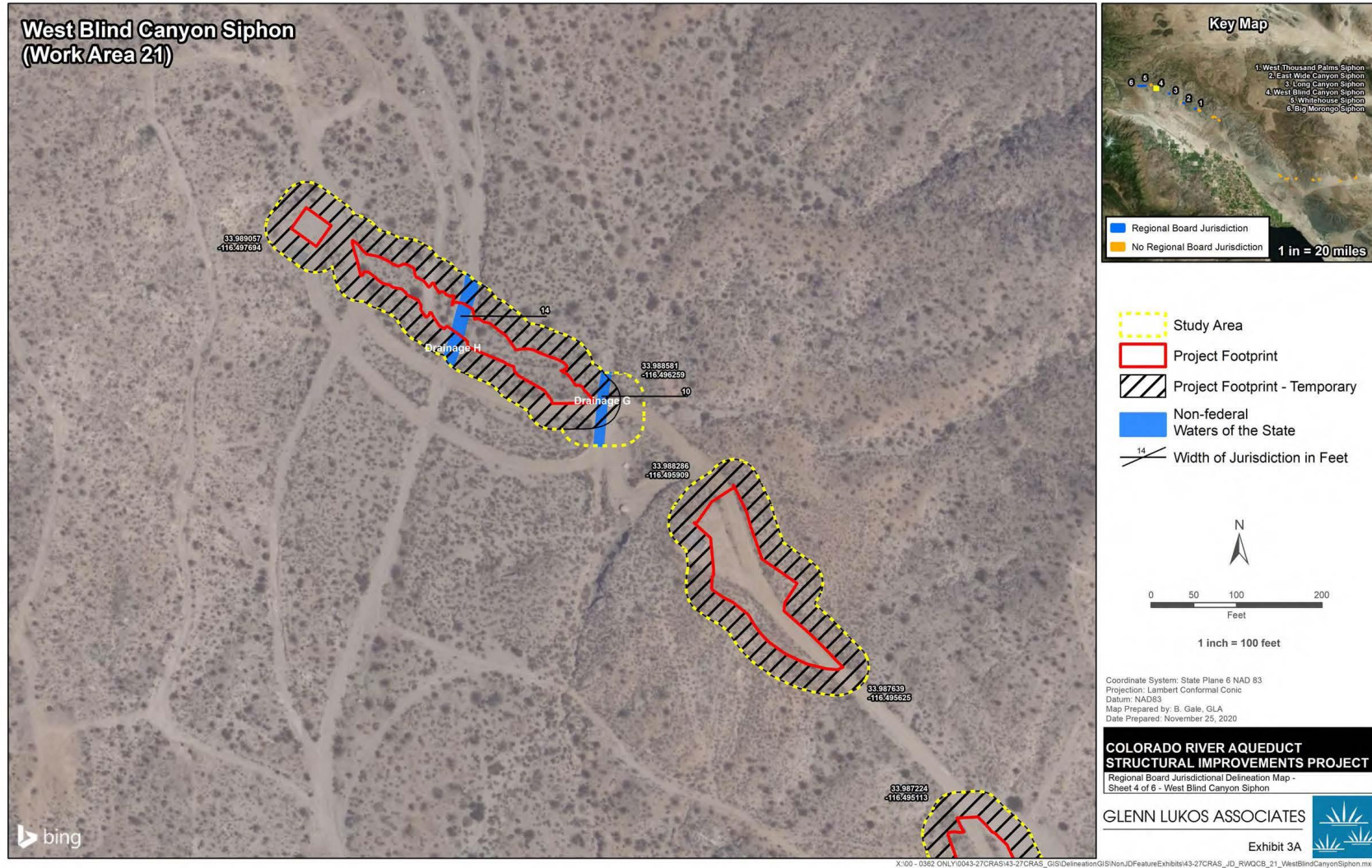


Figure 6 Work Area 21

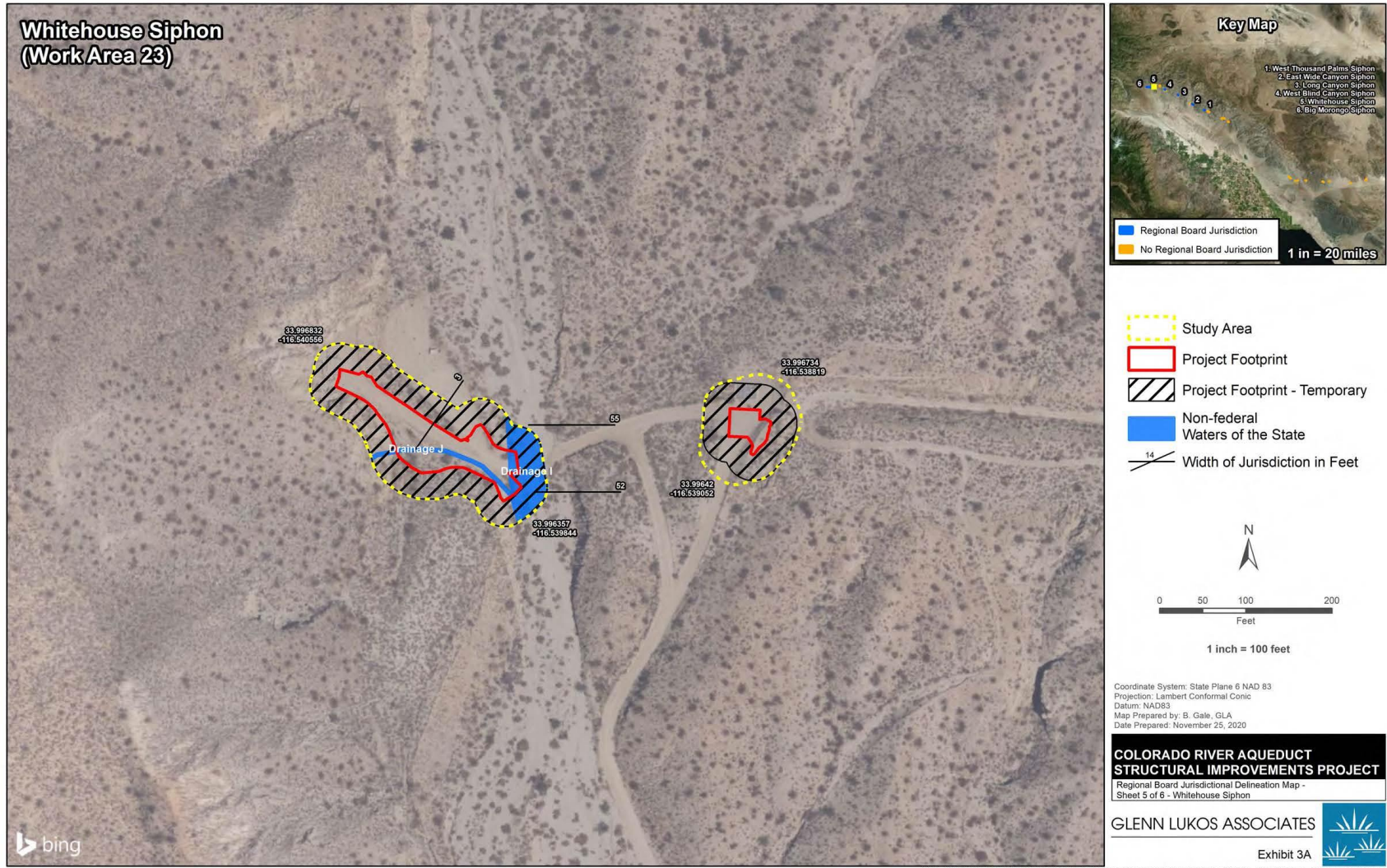


Figure 7 Work Area 23

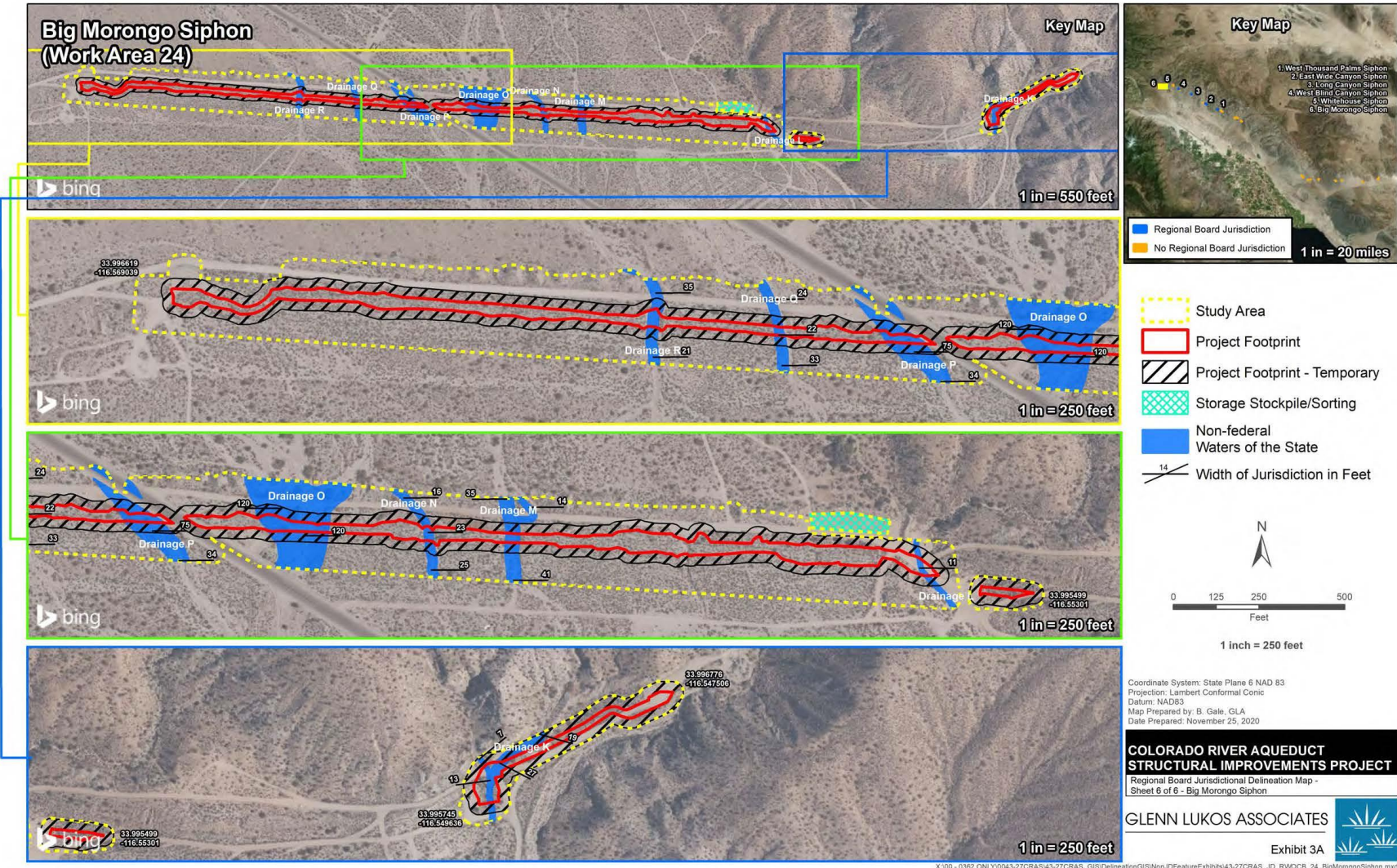


Figure 8 Work Area 24



Photograph 1: View to the northeast (upstream) of Drainage B at West Thousand Palms Siphon [Work Area 16], immediately downstream of the confluence of two drainages.



Photograph 2: View to the southwest (downstream) of Drainage C located at East Wide Canyon Siphon [Work Area 17].



Photograph 3: View to the northeast (upstream) of Drainage D located at East Wide Canyon Siphon [Work Area 17].



Photograph 4: View to the south (downstream) of Drainage E located at Long Canyon Siphon [Work Area 19].



GLENN LUKOS ASSOCIATES

Exhibit 5
Sheet 1

COLORADO RIVER AQUEDUCT CONDUIT
STRUCTURAL PROTECTION PROJECT

Site Photographs

Photo Exhibit 1



Photograph 5: View to the southeast (downstream) of Drainage F located at Long Canyon Siphon [Work Area 19].



Photograph 6: View to the south (downstream) of Drainage G located at West Blind Canyon Siphon [Work Area 21].



Photograph 7: View to the north (upstream) of Drainage H located at West Blind Canyon Siphon [Work Area 21].



Photograph 8: View to the north (upstream) of Drainage I located at Whitehouse Siphon [Work Area 23].



GLENN LUKOS ASSOCIATES

Exhibit 5
Sheet 2



COLORADO RIVER AQUEDUCT CONDUIT
STRUCTURAL PROTECTION PROJECT

Site Photographs

Photo Exhibit 2



Photograph 9: View to the west (upstream) of Drainage J located at Whitehouse Siphon [Work Area 23].



Photograph 10: View to the south (downstream) of Drainage K located at Big Morongo Siphon [Work Area 24].



Photograph 11: View to the southeast (downstream) of Drainage L located in the eastern portion of Big Morongo Siphon [Work Area 24], where it flows along an existing access road.



Photograph 12: View to the north (upstream) of Drainage M located in the eastern portion of Big Morongo Siphon [Work Area 24].



GLENN LUKOS ASSOCIATES
Exhibit 5
Sheet 3

COLORADO RIVER AQUEDUCT CONDUIT
STRUCTURAL PROTECTION PROJECT
Site Photographs

Photo Exhibit 3



Photograph 13: View to the north (upstream) of Drainage N located in the eastern portion of Big Morongo Siphon [Work Area 24].



Photograph 14: View to the northwest (upstream) of Drainage O located immediately east of North Indian Canyon Drive at Big Morongo Siphon [Work Area 24]. Note the stand of phreatophytic desert willows (*Chilopsis linearis*).



Photograph 15: View to the north (upstream) of Drainage P that flows across North Indian Canyon Drive at Big Morongo Siphon [Work Area 24].



Photograph 16: View to the south (downstream) of Drainage Q located immediately west of North Indian Canyon Drive at Big Morongo Siphon [Work Area 24].



GLENN LUKOS ASSOCIATES

Exhibit 5
Sheet 4

COLORADO RIVER AQUEDUCT CONDUIT
STRUCTURAL PROTECTION PROJECT

Site Photographs

Photo Exhibit 4



Photograph 17: View to the south (downstream) of Drainage R located at Big Morongo Siphon [Work Area 24].



Photograph 18: View to the southwest of a non-jurisdictional erosional gully associated with an outfall structure at West Thermal Siphon [Work Area 11].



Photograph 19: View to the southwest of a non-jurisdictional erosional gully associated with an outfall structure at West Wide Canyon Siphon [Work Area 18].



Photograph 20: View to the southwest of a non-jurisdictional erosional gully associated with an outfall structure at East Blind Canyon Siphon [Work Area 20].



GLENN LUKOS ASSOCIATES
Exhibit 5
Sheet 5



COLORADO RIVER AQUEDUCT CONDUIT
STRUCTURAL PROTECTION PROJECT

Site Photographs

Photo Exhibit 5

Attachment B
Receiving Waters, Impact, and Mitigation Information

Receiving Waters

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 Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID
West Thousand Palms Siphon (Work Area 16)	Drainages A and B (unnamed tributaries to Whitewater River)	Stream channel	Salton Sea Watershed	Whitewater River	MUN, AGR, GWR, REC I, REC II, COLD, WILD, POW	N/A	N/A
East Wide Canyon Siphon (Work Area 17)	Drainages C and D (unnamed tributaries to Whitewater River)	Stream channel	Salton Sea Watershed	Whitewater River	MUN, AGR, GWR, REC I, REC II, COLD, WILD, POW	N/A	N/A
Long Canyon Siphon (Work Area 19)	Drainages E and F (unnamed tributaries to Whitewater River)	Stream channel	Salton Sea Watershed	Whitewater River	MUN, AGR, GWR, REC I, REC II, COLD, WILD, POW	N/A	N/A
West Blind Canyon Siphon (Work Area 21)	Drainages G and H (unnamed tributaries to Whitewater River)	Stream channel	Salton Sea Watershed	Whitewater River	MUN, AGR, GWR, REC I, REC II, COLD, WILD, POW	N/A	N/A
Whitehouse Siphon (Work Area 23)	Drainages I and J (unnamed tributaries to Whitewater River)	Stream channel	Salton Sea Watershed	Whitewater River	MUN, AGR, GWR, REC I, REC II, COLD, WILD, POW	N/A	N/A

Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID
	Whitewater River)						
Big Morongo Siphon (Work Area 24)	Drainages K, L, M, N, O, P, Q, and R (unnamed tributaries to Whitewater River)	Stream channel	Salton Sea Watershed	Whitewater River	MUN, AGR, GWR, REC I, REC II, COLD, WILD, POW	N/A	N/A

Individual Direct Impact Locations

The following table shows individual impact locations.

Table 2: Individual Direct Impact Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Temporary Dredge Impacts	Permanent Dredge Impacts	Temporary Fill/Excavation Impacts	Permanent Fill/Excavation Impacts
West Thousand Palms Siphon (Work Area 16) Drainage A	33.970827	-116.444100	No	---	---	0.134 acre 147 linear feet	0.033 acres 22 linear feet
West Thousand Palms Siphon (Work Area 16) Drainage B	33.920689°	-116.339202	No	---	---	0.048 acres 63 linear feet	0.047 acres 58 linear feet

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Temporary Dredge Impacts	Permanent Dredge Impacts	Temporary Fill/Excavation Impacts	Permanent Fill/Excavation Impacts
East Wide Canyon Siphon (Work Area 17) Drainage C	33.938641	-116.385298	No	---	---	0.052 acres 61 linear feet	0.030 acres 33 linear feet
East Wide Canyon Siphon (Work Area 17) Drainage D	33.939337	-116.387337	No	---	---	0.025 acres 61 linear feet	0.006 acres 13 linear feet
Long Canyon Siphon (Work Area 19) Drainage E	33.970827	-116.444100	No	---	---	0.053 acres 88 linear feet	0.042 acres 65 linear feet
Long Canyon Siphon (Work Area 19) Drainage F	33.970827	-116.444100	No	---	---	0.032 acres 144 linear feet	0.013 acres 58 linear feet
West Blind Canyon Siphon (Work Area 21) Drainage G	33.988741	-116.496989	No	---	---	0.014 acres 60 linear feet	--
West Blind Canyon Siphon (Work Area 21) Drainage H	33.988741	-116.496989	No	---	---	0.022 acres 69 linear feet	0.011 acres 35 linear feet
Whitehouse Siphon (Work Area 23) Drainage I	33.996448	-116.539880	No	---	---	0.079 acres 74 linear feet	0.009 acres 49 linear feet

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Temporary Dredge Impacts	Permanent Dredge Impacts	Temporary Fill/Excavation Impacts	Permanent Fill/Excavation Impacts
Whitehouse Siphon (Work Area 23) Drainage J	33.996448	-116.539880	No	---	---	0.002 acres 31 linear feet	0.010 acres 152 linear feet
Big Morongo Siphon (Work Area 24) Drainage K	33.996052	-116.549350	No	---	---	0.091 acres 205 linear feet	0.066 acres 177 linear feet
Big Morongo Siphon (Work Area 24) Drainage L	33.995838	-116.554509	No	---	---	0.020 acres 77 linear feet	0.015 acres 58 linear feet
Big Morongo Siphon (Work Area 24) Drainage M	33.995976	-116.558118	No	---	---	0.052 acres 61 linear feet	0.023 acres 27 linear feet
Big Morongo Siphon (Work Area 24) Drainage N	33.996005	-116.558907	No	---	---	0.039 acres 80 linear feet	0.022 acres 43 linear feet
Big Morongo Siphon (Work Area 24) Drainage O	33.996046	-116.560089	No	---	---	0.199 acres 142 linear feet	0.093 acres 71 linear feet
Big Morongo Siphon (Work Area 24) Drainage P	33.996091	-116.561661	No	---	---	0.129 acres 90 linear feet	0.055 acres 35 linear feet

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Temporary Dredge Impacts	Permanent Dredge Impacts	Temporary Fill/Excavation Impacts	Permanent Fill/Excavation Impacts
Big Morongo Siphon (Work Area 24) Drainage Q	33.996192	-116.562846	No	---	---	0.040 acres 63 linear feet	0.016 acres 25 linear feet
Big Morongo Siphon (Work Area 24) Drainage R	33.996253	-116.564100	No	---	---	0.044 acres 62 linear feet	0.032 acres 54 linear feet

Compensatory Mitigation

Table 3: Required Compensatory Mitigation for Permanent Impacts

Aquatic Resource Type	Compensatory Mitigation Type ¹⁰	Establishment	Re-establishment	Rehabilitation	Enhancement	Preservation
Stream Channel	MB	--	--	--	--	1.04

The Permittee agreed to provide compensatory mitigation for impacts to waters of the state via credit purchase from a mitigation bank, for a total of 0.52 acres of permanent impacts at a 2:1 ratio. The Permittee has chosen to participate in the Mojave Desert Tortoise Umbrella Conservation Bank. The bank provides an alternative to Permittee-responsible compensatory mitigation by preserving and protecting protect aquatic resources on a watershed basis that is integrated with ongoing conservation activities in the Colorado River Basin Region.

¹⁰ Compensatory mitigation type may be: In-Lieu-Fee (ILF); Mitigation Bank (MB); Permittee-Responsible (PR).

Attachment C
CEQA Findings

1. Environmental Review

On January 11, 2021, the Permittee, as lead agency, adopted an Initial Study/Mitigated Negative Declaration (IS/MND) for the Project (State Clearinghouse [SCH] No. 2020100400) and filed a Notice of Determination on January 12, 2021.

The Colorado River Basin Water Board is a responsible agency under CEQA (Pub. Resources Code, § 21069) and in making its determinations and findings, must presume that the Permittee's environmental documents comport with the requirements of CEQA and are valid (Public Resources Code, §§ 21080.1(a), 21167.2). The Colorado River Basin Water Board has reviewed and considered the environmental documents and finds that the environmental documents prepared by the Permittee address the Project's water resource impacts. (Cal. Code Regs., tit. 14, § 15096, subd. (f).) The environmental documents include the mitigation monitoring and reporting program (MMRP) developed by the Permittee for all mitigation measures that have been adopted for the Project to reduce potential significant impacts. (Pub. Resources Code, § 21081.6, subd. (a)(1); Cal. Code Regs., tit. 14, § 15091, subd. (d).)

2. Incorporation by Reference

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

The approved IS/MND is incorporated herein by reference and available at the Office of Planning and Research website:

<https://ceqanet.opr.ca.gov/2020100400/2>

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

3. Findings and Determination

Having considered the whole of the record, the Colorado River Basin Water Board has determined that there is no substantial evidence that the Project or any of its aspects could result in significant adverse impacts to water resources, when implemented in accordance with the mitigation measures required in MMRP and the conditions in this Order. (Cal. Code Regs., tit. 14, § 15096, subd. (h).)

**Attachment D
Signatory Requirements**

SIGNATORY REQUIREMENTS

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

1. All applications, reports, or information submitted to the Colorado River Basin Water Board shall be signed and certified as follows:
 - a. For a corporation, by a responsible corporate officer of at least the level of vice-president.
 - b. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 - c. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
 - a. The authorization is made in writing by a person described in items 1.a through 1.c above.
 - b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - c. The written authorization is submitted to the Colorado River Basin Water Board staff contact prior to submitting any documents listed in item 1 above.
3. 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.”

Attachment E Reporting Requirements

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:

1. Go to:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/certifications.html
2. Find your Order in the table based on Applicant, Date, and Subject headers.

Report Submittal Instructions

1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting.
 - a. **Part A (Annual Report):** This report will be submitted annually from the anniversary of Project effective date until a Notice of Project Complete Letter is issued and this Order is terminated by vote of the Colorado River Basin Water Board.
 - b. **Part B (Project Status Notifications):** Used to notify the Colorado River Basin Water Board of the status of the Project schedule that may affect Project billing.
 - c. **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.
2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
3. **Electronic Report Submittal Instructions:**
 - a. Submit signed Report and Notification Cover Sheet and required information via email to: coloradoriver@waterboards.ca.gov and cc: kai.dunn@waterboards.ca.gov
 - b. Include in the subject line of the email: Subject: ATTN: Kai Dunn; Reg. Measure ID: 441995_Report

Definition of Reporting Terms

1. **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.
2. **Request for Notice of Completion of Discharges Letter:** This request by the Permittee to the Colorado River Basin 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. Colorado River Basin 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 and a change in fees from the annual active discharge fee to the annual post-discharge monitoring fee.
3. **Request for Notice of Project Complete Letter and Order Termination:** This request by the Permittee to the Colorado River Basin 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. Colorado River Basin Water Board staff will review the request and upon approval, will issue a Project Complete Letter and prepare an order terminating the WDRs for approval by the Colorado River Basin Water Board. Termination of annual invoicing of fees will correspond with the date of termination of this Order by the Board.
4. **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 termination of this Order by vote of the Colorado River Basin Water Board. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.
4. **Effective Date:** Date of Order issuance.

Map/Photo Documentation Information

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

1. **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 (NAD38) 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): When other electronic formats are used to provide 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.

2. **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.

REPORT AND NOTIFICATION COVER SHEET
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Project:	Colorado River Aqueduct Conduit Structural Protection Project
Permittee:	The Metropolitan Water District of Southern California
WDID No.:	7A333227001
Reg. Meas. ID:	441995
Place ID:	871692
Order Effective Date:	July 20, 2021

Report Type Submitted

Part A – Project Reporting

Report Type 1	<input type="checkbox"/> Monthly Report
Report Type 2	<input type="checkbox"/> Annual Report

Part B – Project Status Notifications

Report Type 3	<input type="checkbox"/> Commencement of Construction
Report Type 4	<input type="checkbox"/> Request for Notice of Completion of Discharges Letter
Report Type 5	<input type="checkbox"/> Request for Notice of Project Complete Letter and Order Rescission

Part C – Conditional Notifications and Reports

Report Type 6	<input type="checkbox"/> Accidental Discharge of Hazardous Material Report
Report Type 7	<input type="checkbox"/> Violation of Compliance with Water Quality Standards Report
Report Type 8	<input type="checkbox"/> In-Water Work/Diversions Water Quality Monitoring Report
Report Type 9	<input type="checkbox"/> Modifications to Project Report
Report Type 10	<input type="checkbox"/> Transfer of Property Ownership Report
Report Type 11	<input type="checkbox"/> 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 Name¹¹	Affiliation and Job Title
Signature	Date

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

***This Report and Notification Cover Sheet must be signed by the Permittee or a duly authorized representative and included with all written submittals.**

¹¹ STATEMENT OF AUTHORIZATION (include if authorization has changed since application was submitted)

Part A – Project Reporting

Report Type 1	Monthly Report
Report Purpose	Notifies Colorado River Basin Water Board staff of the Project status and environmental compliance activities on a monthly basis.
When to Submit	On the 15th day of every month until a Notice of Project Complete Letter is issued to the Permittee and the Order is terminated by vote of the Colorado River Basin Water Board.
Report Contents	<ol style="list-style-type: none"> 1. 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 (BMPs¹²). If construction has not started, provide estimated start date. 2. Event Summary Describe distinct Project activities and occurrences, including environmental monitoring, surveys, and inspections. 3. 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. 4. Compliance Summary <ol style="list-style-type: none"> a) List name and organization of environmental surveyors, monitors, and inspectors involved with monitoring environmental compliance for the reporting period. b) List associated monitoring reports for the reporting period. c) Summarize observed incidences of non-compliance, compliance issues, minor problems, or occurrences.

¹² Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.

	<p>d) Describe each observed incidence in detail. List monitor name and organization, date, location, type of incident, corrective action taken (if any), status, and resolution.</p>
--	--

Report Type 2	Annual Report
Report Purpose	Notify the Colorado River Basin Water Board staff of Project status during both the Active Discharge Period and Post-Discharge Monitoring Period.
When to Submit	Annual reports shall be submitted each year on December 31st. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee and the Order is terminated by vote of the Colorado River Basin Water Board.
Report Contents	<p>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.</p> <p><u>During the Active Discharge Period</u></p> <ul style="list-style-type: none"> • Topic 1: Construction Summary • Topic 2: Mitigation for Temporary Impacts Status • Topic 3: Compensatory Mitigation for Permanent Impacts Status <p><u>During the Post-Discharge Monitoring Period</u></p> <ul style="list-style-type: none"> • Topic 2: Mitigation for Temporary Impacts Status • Topic 3: Compensatory Mitigation for Permanent Impacts Status

Annual Report Topics (1-3)

Annual Report Topic 1	Construction Summary
When to Submit	With the annual report during the Active Discharge Period.
Report Contents	<ol style="list-style-type: none"> 1. 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. 2. Map showing general Project progress. 3. If applicable: Summary of Conditional Notification and Report Types 6 and 7 (Part C below)

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	<ol style="list-style-type: none"> 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.
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	<p>*If not applicable report N/A.</p> <p>Part A. Permittee Responsible</p> <ol style="list-style-type: none"> 1. Planned date of initiation of compensatory mitigation site installation. 2. If installation is in progress, a map of what has been completed to date. 3. 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. <p>Part B. Mitigation Bank or In-Lieu Fee</p> <ol style="list-style-type: none"> 1. Status or proof of purchase of credit types and quantities. 2. Include the name of bank/ILF Program and contact information. 3. If ILF, location of project and type if known.

Part B – Project Status Notifications
--

Report Type 3	Commencement of Construction
Report Purpose	Notify Colorado River Basin Water Board staff prior to the start of construction.
When to Submit	Must be received at least seven (7) days prior to start of initial ground disturbance activities.
Report Contents	<ol style="list-style-type: none"> 1. Date of commencement of construction. 2. Anticipated date when discharges to waters of the state will occur. 3. Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.

Report Type 4	Request for Notice of Completion of Discharges Letter
Report Purpose	Notify Colorado River Basin Water Board staff that post-construction monitoring is required and that active Project construction, including any mitigation and Permittee-responsible compensatory mitigation, is complete.
When to Submit	Must be received by Colorado River Basin Water Board staff within thirty (30) days following completion of all Project construction activities.
Report Contents	<ol style="list-style-type: none"> 1. Status of stormwater Notice of Termination(s), if applicable. 2. Status of post-construction stormwater BMP installation. 3. Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized. 4. Summary of Certification Deviation discharge quantities compared to initial authorized impacts to waters of the state, if applicable. 5. 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.

Report Type 5	Request for Notice of Project Complete Letter and Order Termination
Report Purpose	Notify Colorado River Basin Water Board staff that construction and/or any post-construction monitoring is complete, or is not required, and no further Project activity is planned.
When to Submit	Must be received by Colorado River Basin Water Board staff within thirty (30) days following completion of all Project activities.
Report Contents	<p>Part A: Mitigation for Temporary Impacts</p> <ol style="list-style-type: none"> 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.

Part B: Permittee Responsible Compensatory Mitigation

3. A report establishing that the performance standards outlined in the compensatory mitigation plan have been met.
4. Status on the implementation of the long-term maintenance and management plan and funding of endowment.
5. Pre- and post-photo documentation of all compensatory mitigation sites.
6. Final maps of all compensatory mitigation areas (including buffers).

Part C: Post-Construction Stormwater BMPs

7. Date of storm water Notice of Termination(s), if applicable.
8. Report status and functionality of all post-construction BMPs.

Part C – Conditional Notifications and Reports

Report Type 6	Accidental Discharge of Hazardous Material Report
Report Purpose	Notifies Colorado River Basin Water Board staff that an accidental discharge of hazardous material has occurred.
When to Submit	Within five (5) working days following the date of an accidental discharge. Continue reporting as required by Colorado River Basin Water Board staff.
Report Contents	<ol style="list-style-type: none"> 1. 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. 2. 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. 3. Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

Report Type 7	Violation of Compliance with Water Quality Standards Report
Report Purpose	Notifies Colorado River Basin Water Board staff that a violation of compliance with water quality standards has occurred.
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 to Colorado River Basin Water Board staff.
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 Colorado River Basin Water Board staff.

Report Type 8	In-Water Work and Diversions Water Quality Monitoring Report
Report Purpose	Notifies Colorado River Basin Water Board staff of the completion of in-water work.
When to Submit	Within three (3) working days following the completion of in-water work. Continue reporting in accordance with the approved water quality monitoring plan.
Report Contents	As required by the approved water quality monitoring plan.

Report Type 9	Modifications to Project Report
Report Purpose	Notifies Colorado River Basin 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.
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.
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.

Report Type 10	Transfer of Property Ownership Report
Report Purpose	Notifies Colorado River Basin Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.
When to Submit	At least 10 working days prior to the transfer of ownership.
Report Contents	<ol style="list-style-type: none"> 1. A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts: <ol style="list-style-type: none"> a. 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 b. responsibility for compliance with any long-term BMP¹³ maintenance plan requirements in this Order. 2. A statement that the Permittee has informed the purchaser to submit a written request to the Colorado River Basin Water Board to be named as the permittee in a revised order.

Report Type 11	Transfer of Long-Term BMP Maintenance Report
Report Purpose	Notifies Colorado River Basin Water Board staff of transfer of long-term BMP maintenance responsibility.
When to Submit	At least 10 working days prior to the transfer of BMP maintenance responsibility.
Report Contents	A copy of the legal document transferring maintenance responsibility of post-construction BMPs.

¹³ Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.