WATER QUALITY ORDER NO. 2017-0027-DWQ WASTE DISCHARGE REQUIREMENTS AND CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION

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Effective Date:

Program Type: Fill/Excavation

Project Type: Roads and Highways

Project: I-40 Median Regrade and Recontour Project (Project)

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Table of Contents

I. Order 3

II. Public Notice 3

III. Project Purpose 3

IV. Project Description 3

V. Project Location 4

VI. Project Impact and Receiving Waters Information 4

VII. Description of Direct Impacts to Waters of the State 4

VIII. Description of Indirect Impacts to Waters of the State 5

IX. Avoidance and Minimization 5

X. Compensatory Mitigation 5

XI. California Environmental Quality Act (CEQA) 5

XII. Fees Received 5

XIII. Conditions 6

XIV. Water Quality Certification 18

Attachment A Project Map
Attachment B Receiving Waters, Impact, and Mitigation Information
Attachment C Signatory Requirements
Attachment D Certification Deviation Procedures
Attachment E Notification and Reporting
Attachment F Mitigation Commitment Letter

I. Order

This Order for Waste Discharge Requirements and Clean Water Act section 401 Certification (Order) and attachments A through F is issued at the request of Caltrans, District 8 (herein after 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 March 24, 2017. The application was deemed complete on June 21, 2017. Prior to receiving a complete application, State Water Board staff person overseeing this Order issued a notice of incomplete application and the Permittee responded to the request for application information on the following dates (Table 1).

Table 1: Record of Notice(s) of Incomplete Application

Date of Notice of Incomplete Application	Date all requested information was received.
4/13/2017	6/21/2017
5/15/2017	

II. Public Notice

The State Water Board provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from June 23, 2017 to July 14, 2017. The State Water Board did not receive any comments during the application comment period. The State Board also provided a public comment period on the draft Order pursuant to Water Code section 13167.5 from October 18, 2017 to November 20, 2017.

III. Project Purpose

The purpose of this project is to improve the safety of the traveling public on Interstate 40 (I-40) by regrading the steep (>1:6) median cross slopes to flatter (<1:10) gradients.

IV. Project Description

This project consists primarily of regrading the median cross slopes on I-40 from Post Mile (PM) 50.0 to PM 75.0. Cross slopes will be regraded from existing 1:6 (Vetical:Horizontal) or steeper gradients to 1:10 or flatter. Drainage modifications and improvements in the median and improvement of the existing California Highway Patrol crossovers will also be included as part of the Project.

Proposed work will include:
• Work off the paved roadway - regrade median cross slopes, drainage modifications (by extending and preserving drain paths while the median is filled), improvements to the existing California Highway Patrol Crossovers, removal and installation of metal beam guard rails.
• Trenching, grading, or other ground disturbance actions including removal of trees and vegetation.
• No additional Right-of-Way will be required because the work will be performed entirely within the median.
• Work will be performed using imported borrow material and some roadway excavation to flatten slopes in the median areas.

V. Project Location

The Project will be located within the median of I-40 from PM 50.0 – 75.0 in San Bernardino County. Post mile 50 is located just east of the town of Ludlow and PM 75 is located approximately 3.2 miles west of the I-40/Kelbaker Road junction.

Maps showing the Project location can be 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 and Lahontan Regional Water Quality Control Boards, collectively referred to as Regional Water Boards. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plans (Basin Plan) for the regions and other plans and policies which may be accessed online at: http://www.waterboards.ca.gov/plans_policies/. The Basin Plans include 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. Table 2 of Attachment B shows individual impact location and quantity.

VII. Description of Direct Impacts to Waters of the State

Project direct impacts to waters include grading, discharge of fill material, and culvert extension. These activities will result in physical loss of stream area.

Total Project fill/excavation quantities for all impacts are summarized in Table 2. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition only.

Table 2: Total Project Fill/Excavation Quantity[1]

Aquatic Resource Type	Temporary Impact[2]			Permanent Impact					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	CY	LF	Acres	CY	LF	Acres	CY	LF
Stream Channel	0.22		447	1.11		6,166			

[1] Cubic Yards (CY); Linear Feet (LF)

[2] Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance that could result in a discharge to waters of the state.

VIII. Description of Indirect Impacts to Waters of the State

The State Water Board recognizes the potential for indirect impacts to waters of the state associated with the Project. Indirect impacts could include hydromodification of upstream and downstream channels.

IX. Avoidance and Minimization

Minimization of impacts will be achieved through the implementation of a Storm Water Pollution Prevention Plan and Erosion Control Plan that incorporate BMPs to reduce loss of topsoil, erosion, and discharge of polluted runoff associated with project construction.

Erosion and sediment controls installed according to BMPs include Move-in/Move-out (Temporary Erosion Control), Temporary Soil Binders, Temporary Silt Fence/Temporary Fiber Roll, Stabilized Construction Entrance, Temporary Drainage Inlet Protection, Street Sweeping, and Concrete Washouts.

X. Compensatory Mitigation

The Permittee has agreed to provide compensatory mitigation described in the mitigation commitment letter that was submitted to the State Water Board on June 21, 2017 (Attachment F) for temporary impacts that have temporal loss and/or degradation of ecological condition.

The Permittee has agreed to provide compensatory mitigation for direct impacts, described in section VII for permanent impacts. Mitigation shall be provided as described in the mitigation commitment letter that was submitted to the State Water Board on June 21, 2017 (Attachment F).

Where Attachment F states “Permanent fill of 0.30 acres of non-wetland waters of the state (WSC) in the Lahontan Waterboard region, this includes permanent fill of 0.05 acres of non-wetland waters of the United States (WUS)”, the 0.05 acres of waters of the US is not in addition to the 0.30 acres of waters of the state, but is already included in that acreage.

XI. California Environmental Quality Act (CEQA)

The State Water Board has determined that the Project is exempt from review under CEQA pursuant to California Code of Regulations, title 14, section 15061.

Specifically, the issuance of this Order and the activities described herein meet the exemption criteria under California Code of Regulations, title 14, section 15301 Existing Facilities.

Additionally, the State Water Board concludes that no exceptions to the CEQA exemption apply to the activities approved by this Order.

The State Water Board will file a Notice of Exemption with the State Clearinghouse within five (5) working days from the issuance of this Order. (Cal. Code Regs., tit. 14, § 15062.)**.**

XII. Fees Received

An application fee of $53,565.00 was received on March 24, 2017. 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 State Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watersheds 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 2**.**

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. **Quarterly Reporting:** The Permittee must submit a Quarterly Report to the State Water Board on the 15th day of every third month after ground disturbance activities commence. Quarterly reporting shall continue until the State 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 anniversary of the effective date of this order. Annual reporting shall continue until a Notice of Project Complete Letter is issued 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 State Water Board staff person overseeing this Order within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, State Water Board staff person overseeing this Order shall 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,[3] and no further Project activities will occur. This request shall be submitted to the State Water Board staff person overseeing this Order within thirty (30) days following completion of all Project activities. Upon approval of the request, the State Water Board staff person overseeing this Order shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

3. **Conditional Notifications and Reports:** The following notifications and reports are required as appropriate.

a. **Accidental Discharges of Hazardous Materials**[4]

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) 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 State 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 State 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 State 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 storm water treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.

[3] Completion of post-construction monitoring shall be determined by the State Water Board staff person overseeing this Order and shall be contingent on successful attainment of restoration and mitigation performance criteria.

[4] "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.)

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 State Water Board at least forty-eight (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 the State Water Board staff person overseeing this Order.

d. Modifications to Project
Project modifications may require an amendment of this Order. The Permittee shall give advance notice to the State Water Board staff person overseeing this Order 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 the State Water Board staff person overseeing this Order 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 State Water Board in accordance with the following terms:

i. The Permittee must notify the State 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 State Water Board at least 10 days prior to the transfer of ownership. The purchaser must also submit a written request to the State Water Board to be named as the permittee in a revised order. The Executive Director is authorized to amend this Order pursuant to a notification received pursuant to this section.

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 State 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 State 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, State 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 the State Water Board staff person overseeing this Order 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.

4. **Post-Construction:** Visually inspect the Project site during the rainy season for 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, contact the State Water Board staff person overseeing this Order within three (3) working days. The State 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 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with section 3867. Additionally, the State Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the State 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.) or federal Clean Water Act section 303 (33 U.S.C. § 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 State 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, provide 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. **Construction General Permit Requirement:** The Permittee shall maintain compliance with conditions described in, and required by, 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 C 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 State Water Board staff, Colorado River and Lahontan Regional Water Board staffs, 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 State Water Board immediately upon execution and prior to any discharge to waters of the state.

G. Construction

1. Dewatering

a. Dewatering and stream diversion measures were not proposed in the application and are not authorized. If the Project requires dewatering or diversion, the Permittee shall submit detailed dewatering/diversion plans to the State Water Board staff person overseeing this Order for approval at least twenty-one (21) days prior to any dewatering or diversion. Dewatering/diversion plans shall include the area to be dewatered/diverted, timing of dewatering/diversion, and method of dewatering/diversion to be implemented. All temporary dewatering/diversion methods shall be designed to have the minimum necessary impacts to waters of the state to isolate the immediate work area. All dewatering/diversion methods shall be installed such that natural flow is maintained upstream and downstream of the project area. Any temporary dams or diversions shall be installed such that the dewatering/diversion does not cause sedimentation, siltation, or erosion upstream or downstream of the project area. All dewatering/diversion methods shall be removed immediately upon completion of dewatering/diversion activities. Dewatering or

diversion shall not commence until Permittee has obtained State Water Board approval of the dewatering/diversion plans.

2. Fugitive Dust

a. The Permittee shall implement appropriate dust suppression measures to minimize fugitive dust where necessary during grading activities by watering down the disturbed soils or by applying an appropriate dust suppressant.

b. Dust control activities shall be conducted in such a manner that will not produce downstream runoff.

3. Good Site Management "Housekeeping"

a. Except for temporary stockpiling of waste generated during construction operations ("temporary" in this instance means generated and removed during the same working day), waste materials shall not be placed in a manner where the materials may be washed by rainfall into waters of the state. Waste materials shall not be placed within 150 linear feet of waters of the state. Exceptions to the 150-foot limit may be granted on a case-by-case basis provided the Permittee first submits a proposal in writing to be approved by State Water Board Staff person overseeing this Order. The proposal must demonstrate that exception to the 150-foot limit at a specific location or during a specific time period would not pose a threat to water quality.

b. Operation and storage of vehicles and equipment shall not result in a discharge or a threatened discharge to waters of the state. All equipment using gas, oil, hydraulic fluid or other petroleum products shall be inspected for leaks prior to use and shall be monitored for leakage. At no time shall the Applicant use any vehicle or equipment that leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the state.

c. Any maintenance or refueling of vehicles or equipment occurring on-site will be done in a designated area with secondary containment, located away from drainage courses to prevent the runoff of storm water and the runoff of spills. Stationary equipment (motors, pumps, generator, etc.) and vehicles not in use shall be positioned over drip pans or other types of containment. Spill and containment equipment (oil spill booms, sorbent pads, etc.) shall be maintained onsite at all locations where such equipment is used or staged.

d. All work performed within waters of the state shall be completed in a manner that minimizes impacts to beneficial uses and habitat; measures shall be employed to minimize disturbances along the channel that will adversely impact the water quality of waters of the state. Disturbance or removal of vegetation shall not exceed the minimum necessary to complete Project implementation.

e. Where temporary impacts have not been approved, construction equipment, vehicles, and personnel must not enter waters of the state beyond of the limits of grading.

f. The Permittee must implement proposed best management practices (BMPs) as well as other applicable BMPs following the procedures in the current version, as of the effective date of this Order, of the Caltrans ”Construction Site Best Management Practices (BMPs) Manual” and/or “Standard Specifications.”

g. The Permittee shall oversee the work of the contractor during implementation of the Project, to ensure that the work is being done in accordance with the plans.

h. All construction-related equipment, materials, and any temporary BMPs no longer needed, shall be removed and cleaned from the site upon completion of the Project.

i. All waste materials resulting from the project shall be removed from the site and disposed of properly.

j. All imported riprap, rocks, and gravels used for construction shall be pre-washed.

4. Hazardous Materials

a. No debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete washings, oil or petroleum products, or other organic or earthen material from any construction or associated activity of whatever nature, other than that authorized by this Certification, shall be allowed to enter into or be placed where it may be washed by rainfall into waters of the state. When operations are completed, any excess material or debris shall be removed from the work area. No rubbish shall be deposited within one-hundred and fifty (150) feet of the high water mark of any stream.

b. Raw cement, concrete (or washing thereof), asphalt, drilling fluids, lubricants, paints, coating material, oil, petroleum products, or any other substances which could be hazardous to fish and wildlife resulting from or disturbed by project-related activities, shall be prevented from contaminating the soil and/or entering waters of the state.

c. The Permittee shall retain a spill plan and appropriate spill control and clean up materials onsite in case spills occur. Construction personnel must be familiar with the plan and how to use the cleanup materials or kits.

d. Onsite containment for storage of chemicals classified as hazardous shall include secondary containment and appropriate management as specified in California Code of Regulations, title 27, section 20320.

5. Invasive Species and Soil Borne Pathogens

a. Imported fill material must be free of weed and invasive species seeds and live plants.

b. Equipment and machinery used in Project construction shall be inspected and cleaned of non-native invasive vegetation prior to on-site use.

c. The Permittee shall survey for the presence of invasive species within any disturbed access routes that are used for the Project and mitigation work, and evaluate whether eradication efforts are necessary during the mitigation monitoring period. If invasive species are present on more than 5% of the overall disturbed areas during any given year of the mitigation monitoring period, then eradication measures shall be proposed

in the annual report and follow-up monitoring shall be performed to ensure that any invasive species are limited to less than 5% of the disturbed area.

6. In-Water Work

a. Work in flowing or standing surface waters is prohibited.

7. Roads

a. Storm drain lines/culverts, outfall structure, and other water body crossing structures shall be properly aligned within the water body and otherwise engineered, installed, and maintained, to assure resistance to washout, and to prevent erosion and/or fill of the water body. Water velocity shall be dissipated at outfalls to reduce erosion.

8. Special Status Species

a. The Permittee shall follow all conditions of other state and federal permits pertaining to special status species that may be affected by the Project.

b. The Permittee shall adhere to the applicable protective measures from the 2013 Biological Opinion of the U.S. Fish and Wildlife Service: Programmatic biological opinion for routine activities highway improvement, maintenance activities, and safety projects in Imperial, Inyo, Kern, Los Angeles, Riverside, and San Bernardino Counties (8-8-10-F-59).

9. Stabilization/Erosion Control

a. Erosion and sediment control measures shall be on site prior to the start of construction and kept on site at all times so they are immediately available for installation in anticipation of rain events.

b. All disturbed areas of the Project site shall have effective erosion and sediment control measures both during, and after completion of construction. The Permittee shall implement an effective combination of erosion and sediment control measures during all periods of construction at the site.

c. Erosion and sediment control measures shall be used for all disturbed areas. Silt control structures shall be maintained for effectiveness within forty-eight (48) hours before and after a rain event and shall be repaired or replaced as needed. Buildup of soil behind silt fences shall be removed and any breaches or undermined areas repaired.

d. The grading, stabilization and re-vegetation will be phased to limit the exposed or working face such that the graded area can be stabilized within twenty-four (24) hours after the first prediction of rain during the five (5) day forecast or within twenty-four (24) hours after final grading of the phased area.

e. The Permittee may only disturb vegetation on the portion of the project that they are actively working on.

f. All erosion control wattles must be biodegradable and weed free.

g. Grading and project activities must cease immediately during a rain event, and the site must be stabilized to prevent impacts to water quality, and minimize erosion and runoff from the site.

h. Erosion control blankets, liners with berms, and/or other erosion control measures shall be used for any stockpile of excavated material to control runoff resulting from precipitation, and prevent material from contacting or entering surface waters.

H. Mitigation for Temporary Impacts

1. 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 of waters of the state as described in a restoration plan. The restoration plan shall be submitted for written acceptance by the State Water Board staff person overseeing this Order within ninety (90) days of issuance of this Order. The restoration plan shall provide the following: a schedule; plans for grading of disturbed areas to pre-project contours; planting palette with plant species native to the Project area; seed collection location; invasive species management; performance standards; and maintenance requirements (e.g. watering, weeding, and replanting).

2. The State Water Board may extend the monitoring period beyond requirements of the restoration plan upon a determination by State Water Board Executive Director that the performance standards have not been met or are not likely to be met within the monitoring period.

3. If restoration of temporary impacts to waters of the state, in the amount and type shown in Table 3, is not completed within one year of the impacts, compensatory mitigation may be required to offset temporal loss of waters of the state.

Table 3: Required Project Mitigation Quantity for Temporary Impacts

Aquatic Resource Type	Mit. Type[5]	Units	Method[6]					
			Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	PR	Acres			0.22			
Stream Channel	PR	LF			447			

I. Compensatory Mitigation for Permanent Impacts[7]

1. Compensatory Mitigation Plan

a. The Permittee has submitted an approved mitigation commitment letter (Attachment F) dated June 21, 2017, which is incorporated herein by reference, as part of a

[5]The on-site mitigation type for temporary impacts will be permittee responsible (PR)

[6]The on-site mitigation method for temporary impacts will be rehabilitation

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

complete application. The Permittee shall provide a final compensatory mitigation plan in the form of a mitigation and monitoring plan (MMP) for written acceptance by the State Water Board staff person overseeing this Order. Impacts to waters of the state are not authorized and shall not occur until the State Water Board staff person overseeing this Order has approved the MMP. Upon acceptance by the State Water Board staff person overseeing this Order, the Permittee shall implement the approved plan.

b. The final MMP shall include all plan elements as outlined in 40 CFR § 230.94(c) and the mitigation commitment letter.

2. Irrevocable Letter of Credit

a. An irrevocable letter of credit is not be required. The Permittee has instead provided assurances of fulfilling all the Project compensatory mitigation obligations according to the terms of the letter from Mr. Rafih Achy, Project manager (Attachment F-Mitigation Commitment Letter), dated June 21, 2017.

b. The State Water acknowledges that the terms set forth in Attachment F, along with any other financial assurances required by the U.S. Army Corps of Engineers in connection with the Project, is sufficient.

3. Permittee-Responsible Compensatory Mitigation Responsibility

a. Permittee responsible compensatory mitigation installation shall be completed within 24 months of initiation of authorized impacts.

b. The Permittee is responsible for the long-term management of the required compensatory mitigation. As specified in the Permittee's letter dated and attached herein as Attachment F, June 21, 2017, the long-term management plan can be created by Caltrans or adopted from another entity that will manage the land in perpetuity. However, the Permittee may transfer the compensatory mitigation requirements associated with long-term management when the following conditions have been met:

i. Performance standards are met.

ii. A Transfer Agreement to a third party has been approved by the State Water Board staff person overseeing this Order.

iii. An endowment fund has been provided by the Permittee to a third party for management in perpetuity of the mitigation site(s).

iv. A conservation easement, deed restriction, or other appropriate restrictive covenant for the mitigation site(s) has been recorded and approved by the State Water Board staff person overseeing this Order.

c. Transfer of Long-Term Permittee-Responsible Compensatory Mitigation and Management Responsibility

i. A transfer agreement shall be submitted from an authorized representative of the new party (transferee) for acceptance by the State Water Board staff person overseeing this Order. This agreement shall demonstrate acceptance

and understanding of the responsibility to comply with and fully satisfy the required compensatory mitigation and long-term management conditions. Failure to comply with the mitigation conditions and associated requirements may subject the transferee to enforcement by the State Water Board under Water Code section 13385, subdivision (a).

ii. Notification of transfer of responsibilities meeting the above condition must be provided to the State Water Board staff person overseeing this Order. A draft transfer agreement is due to the State Water Board staff person overseeing this Order no less than thirty (30) days prior to the transfer of the mitigation responsibility. A final transfer agreement is due to the State Water Board staff person overseeing this Order within 30 days of the completion of the transfer.

4. Total Required Compensatory Mitigation

a. The Permittee is required to provide compensatory mitigation for the authorized impacts to Stream Channels by purchase and protection of properties/parcels in the Greater Mojave watershed (628.00), as described in the mitigation commitment letter dated June 21, 2017, and in accordance with the approved MMP to be submitted by the Permittee before Project impacts to waters occur. The parcels must contain sufficient acreage of waters of the state that are of higher ecological value than those impacted to meet the 3:1 ratio.

b. Total required Project compensatory mitigation information for permanent physical loss of area is summarized in Table 4.

Table 4: Required Project Compensatory Mitigation Quantity for Permanent Physical Loss of Area

Aquatic Resource Type	Comp Mit. Type[8]	Units	Method[9]					
			Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	PR	Acres					3.33	

c. The Permittee is required to provide compensatory mitigation for the temporal loss of Stream Channel by purchase and protection of properties/parcels in the Greater Mojave watershed (628.00), as proposed and described in the mitigation commitment letter dated June 21, 2017 and in accordance with the approved MMP to be submitted by the Permittee before Project impacts to waters occur. The parcels must contain sufficient acreage of waters of the U.S. that are of higher ecological value than those impacted to meet the 3:1 ratio.

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

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

d. Total required Project compensatory mitigation information for temporal loss is summarized in Table 5.

Table 5: Required Project Compensatory Mitigation Quantity for Temporal Loss

Aquatic Resource Type	Comp Mit. Type[10]	Units	Method[11]					
			Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	PR	Acres					0.66	

J. 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 resources. Some modifications of Project locations or predicted impacts may qualify as Certification Deviations as set forth in Attachment D. 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 State Water Board has determined that any potential water resource 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 such that the Project no longer qualifies for a categorical exemption. If such changes are necessary, a supplemental environmental review and amended Order will be required.

XIV. Water Quality Certification

The Order for the I-40 Median Regrade and Recontour Project, SB17004IN is hereby issued, 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).

The State Water Board will file a Notice of Exemption (NOE) at the SCH within five (5) working days of issuance of this Order.

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

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

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 and the Regional Water Boards' Water Quality Control Plans and Policies.

CERTIFICATION

The undersigned, Clerk to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on November 21, 2017.

AYE:	Chair Felicia Marcus Vice Chair Steven Moore Board Member Tam M. Doduc Board Member Dorene D'Adamo
NAY:	None
ABSENT:	Board Member Joaquin Esquivel
ABSTAIN:	None

Jeanine Townsend

Jeanine Townsend
Clerk to the Board

Attachment A	Project Map
Attachment B	Receiving Waters, Impact and Restoration Information
Attachment C	Signatory Requirements
Attachment D	Certification Deviation Procedures
Attachment E	Notification and Reporting
Attachment F	Mitigation commitment letter

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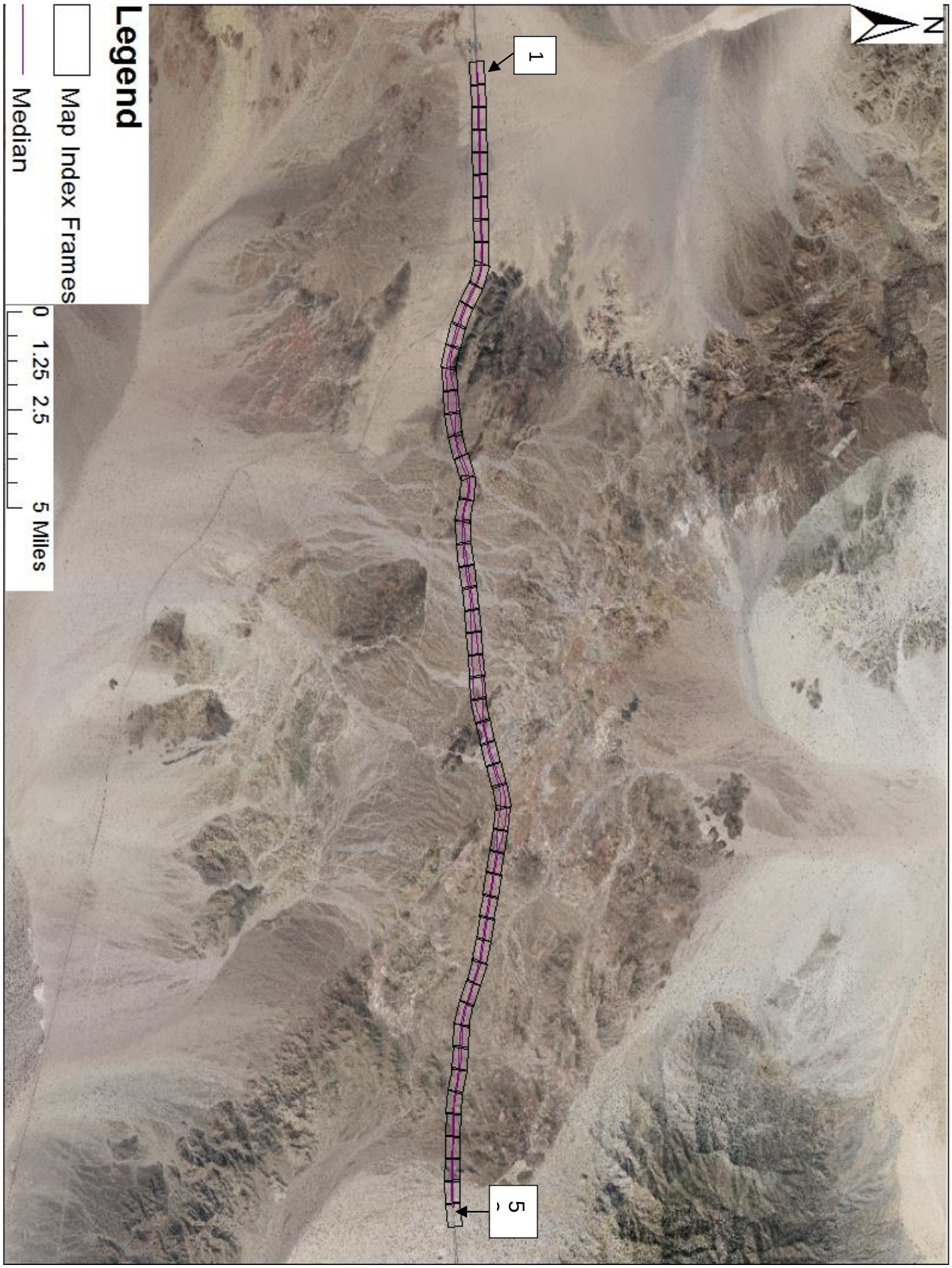
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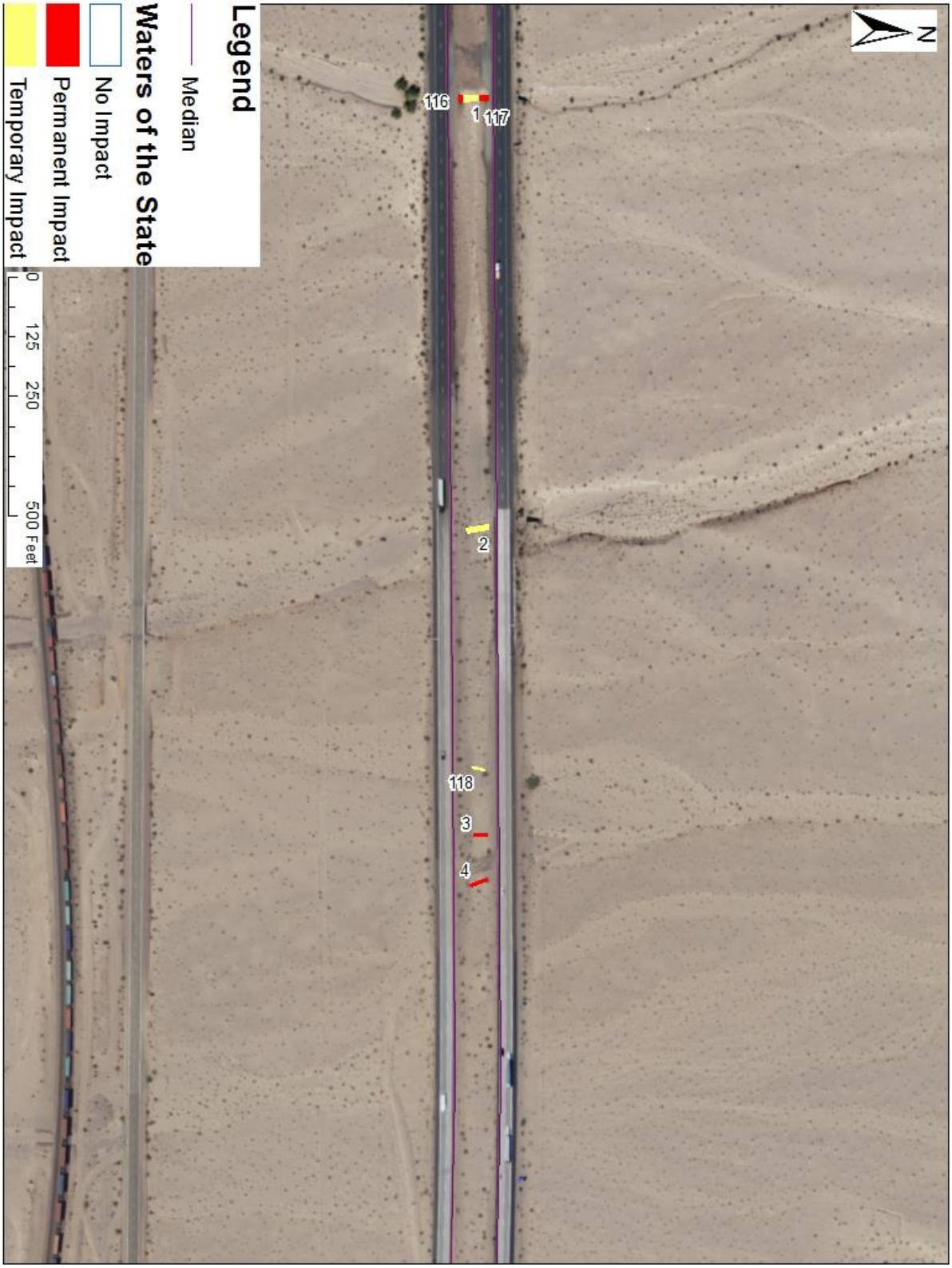
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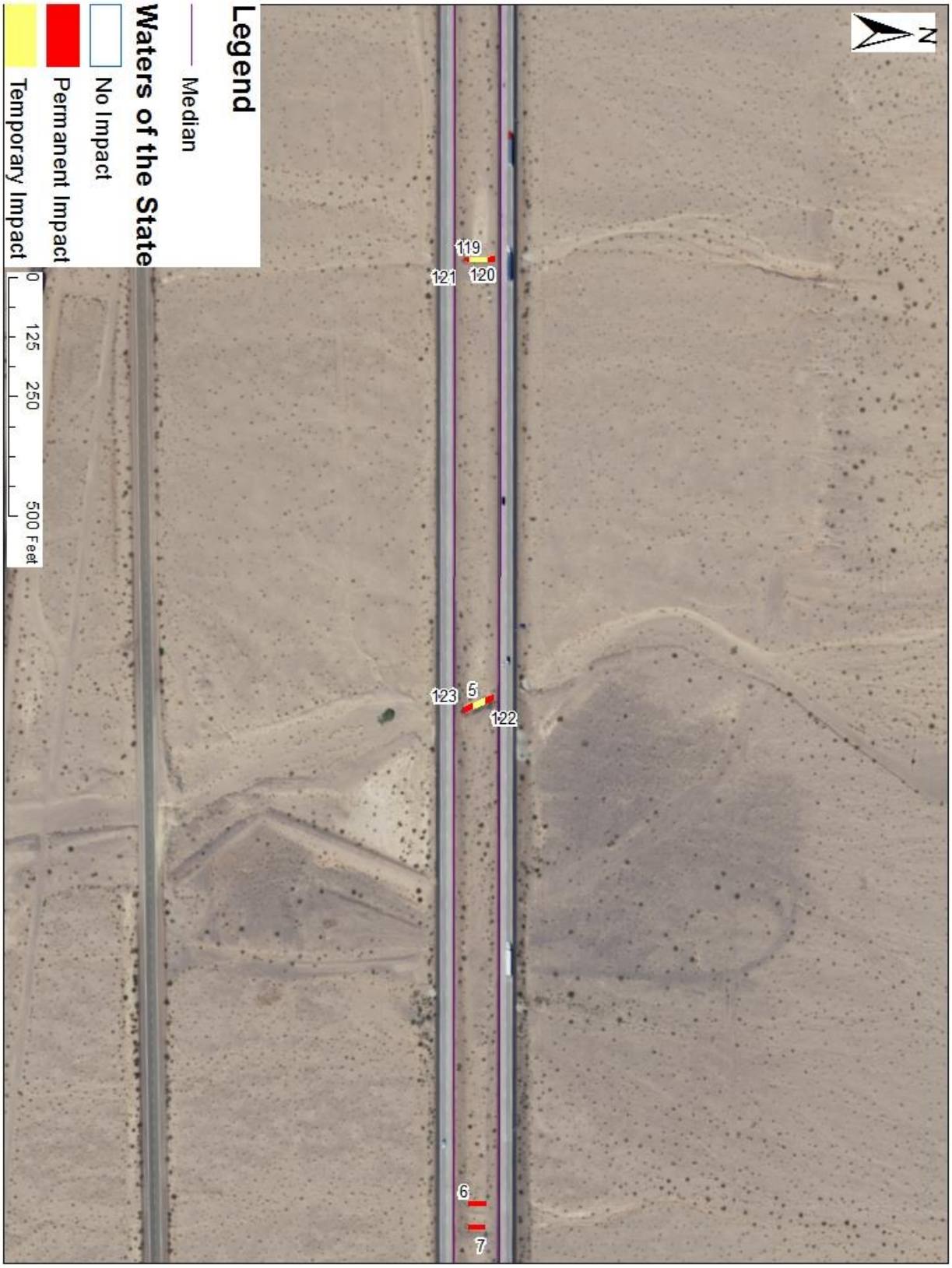
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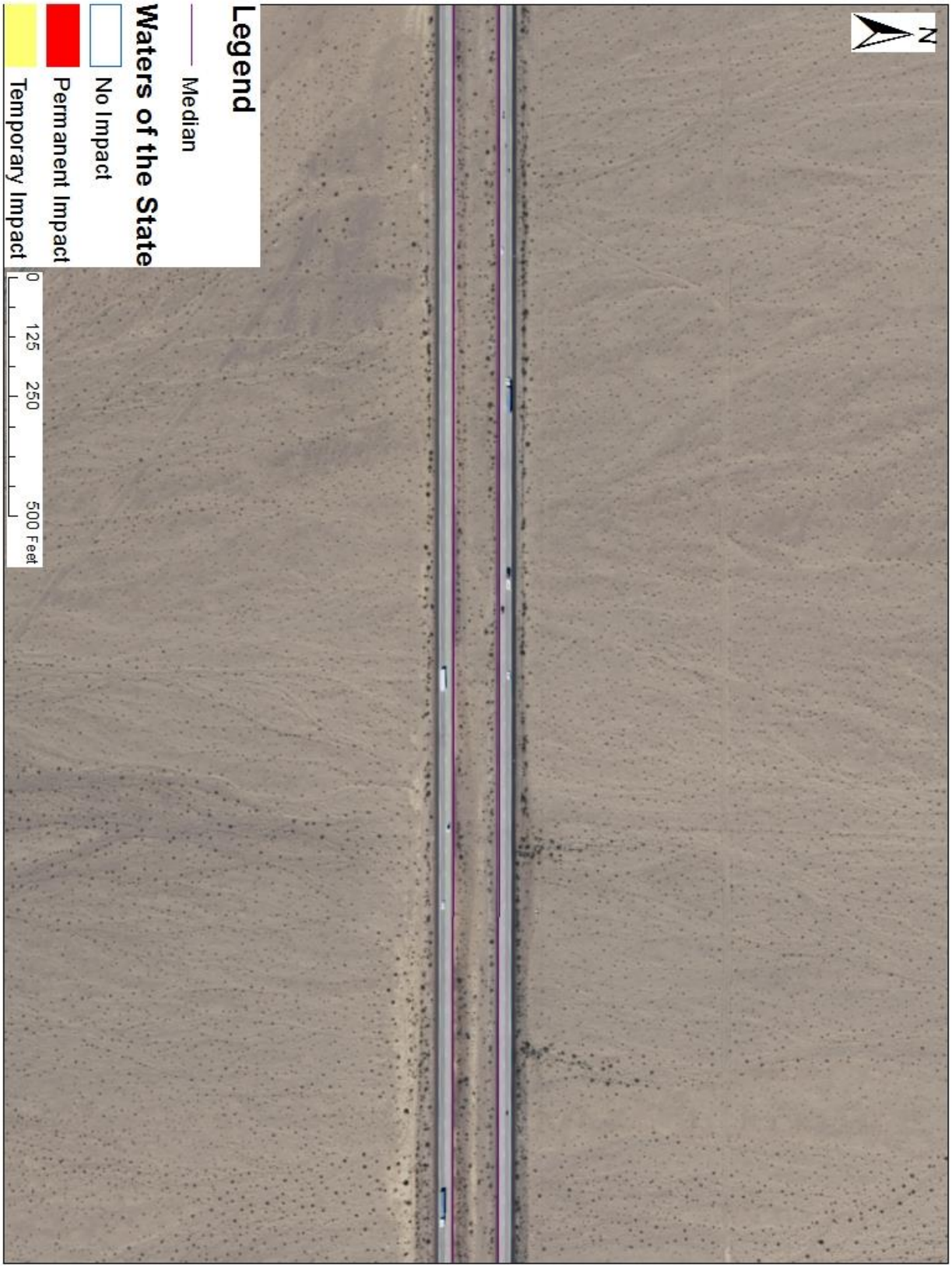
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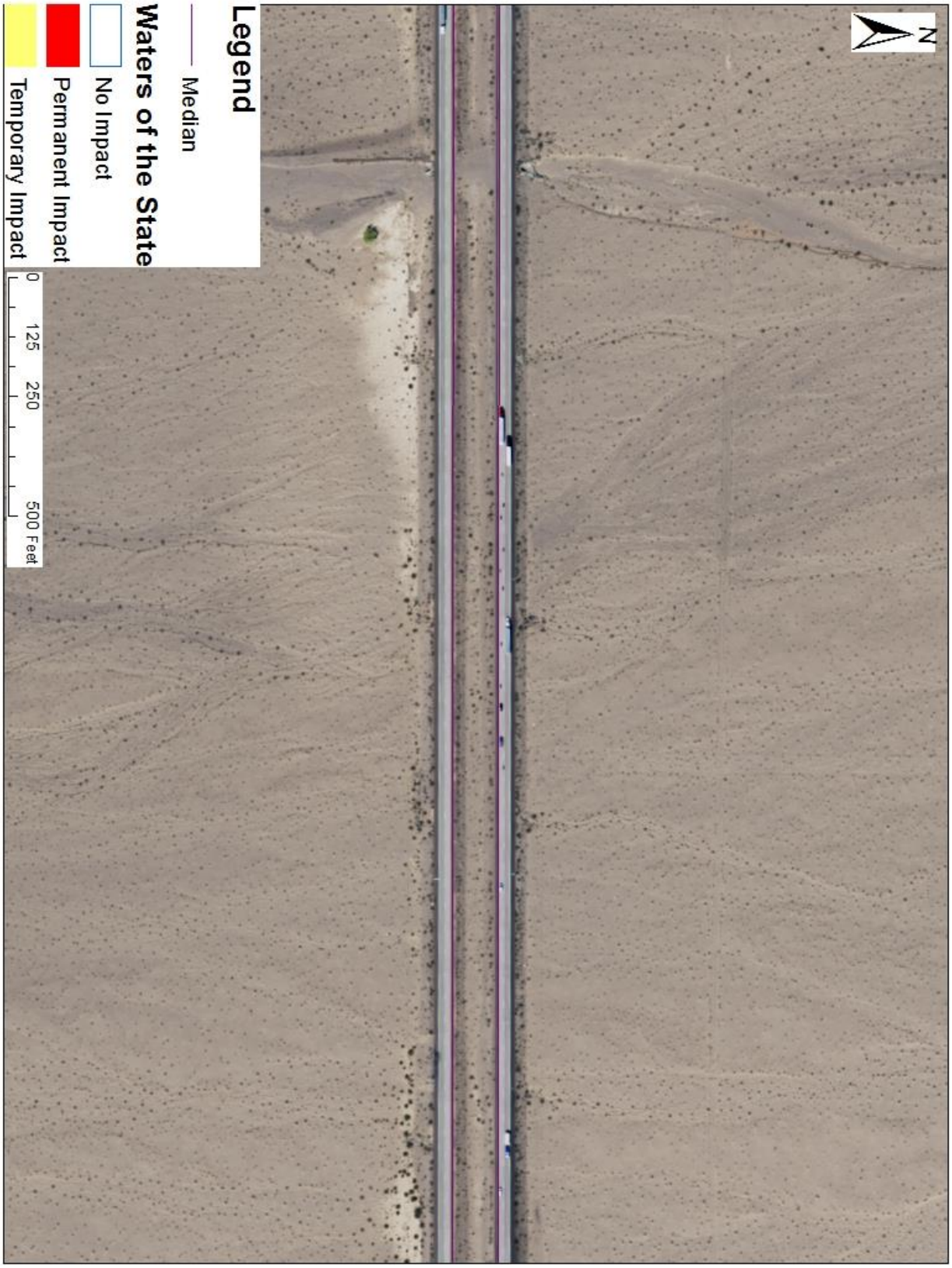
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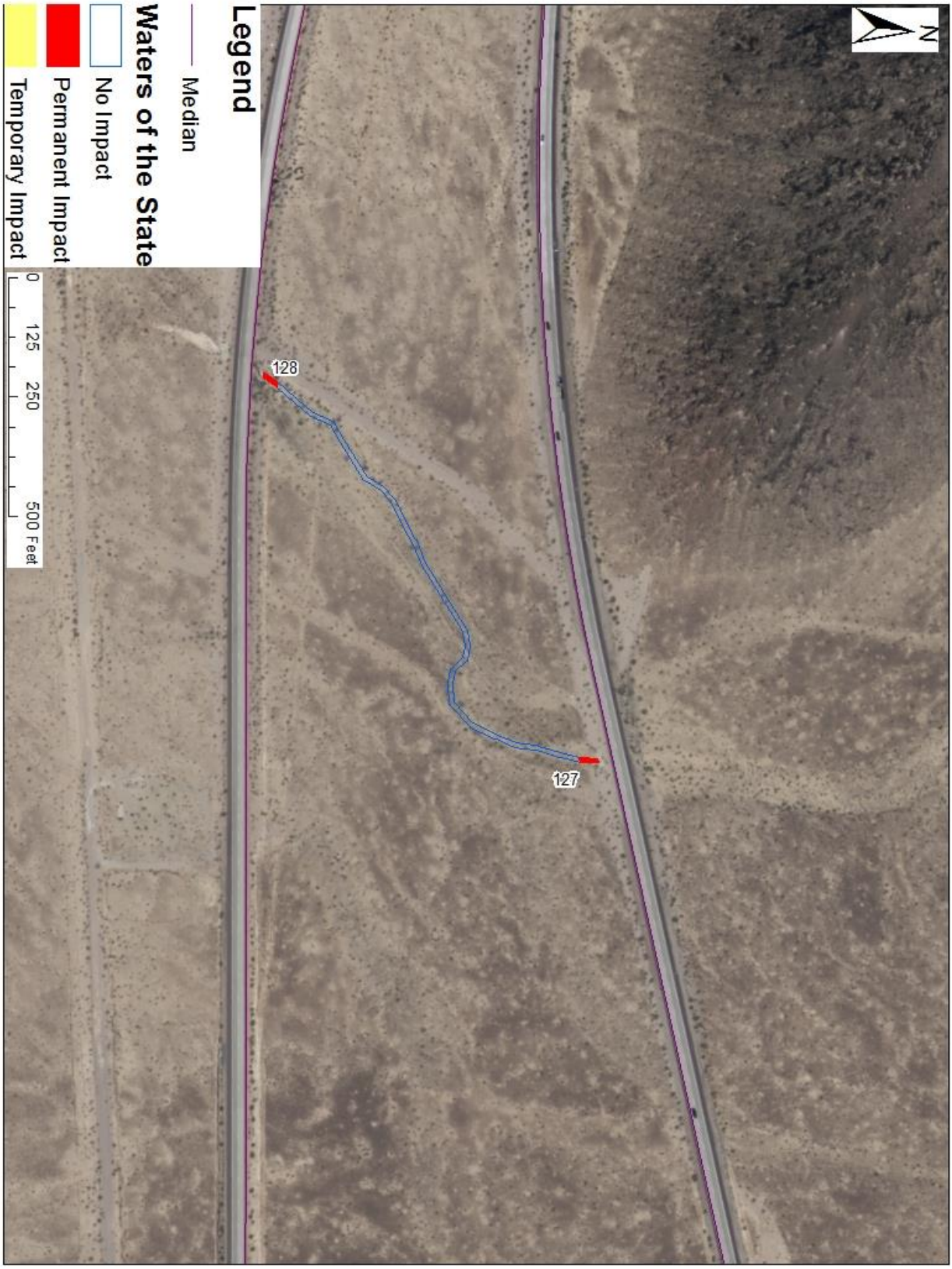
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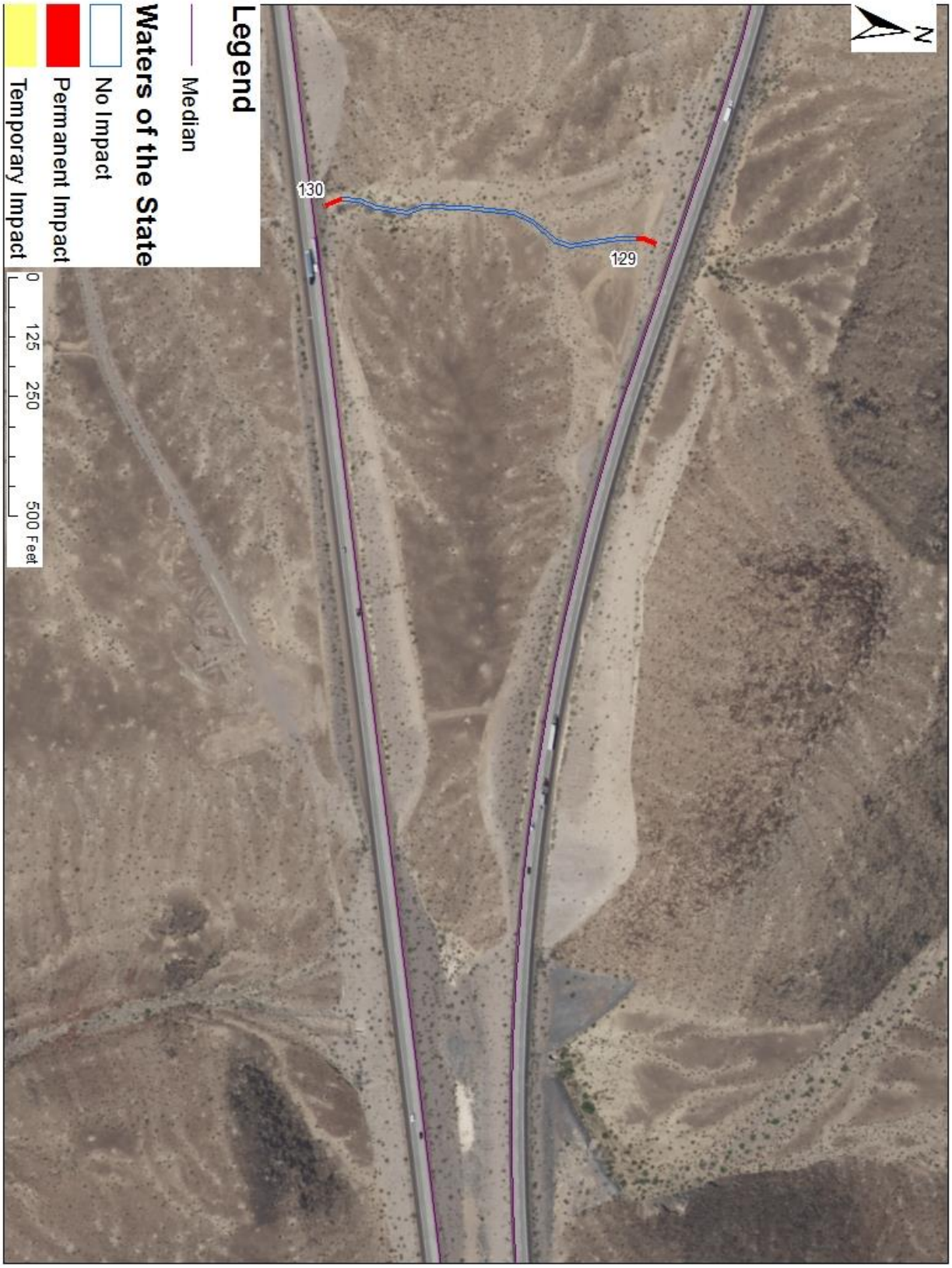
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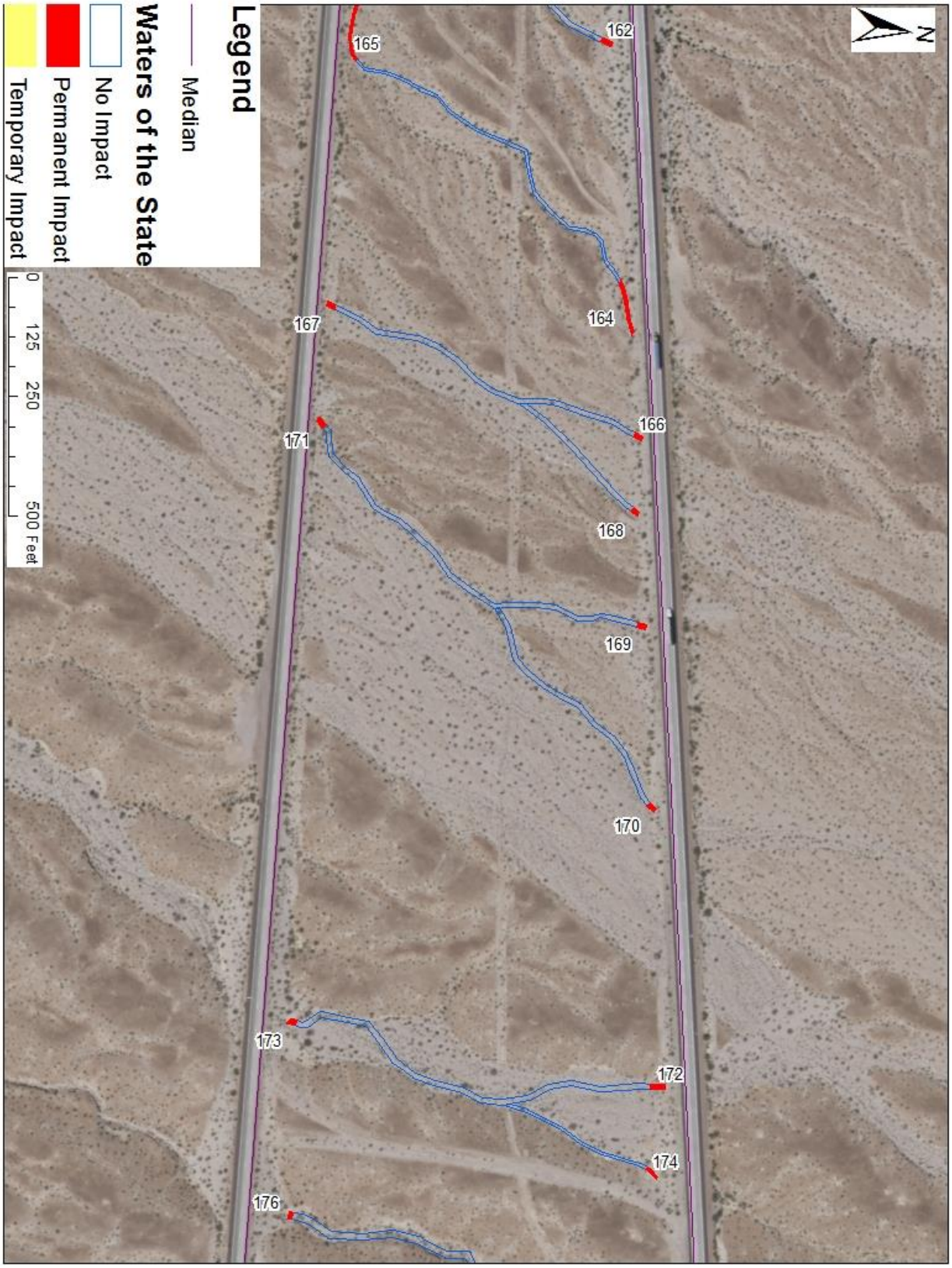
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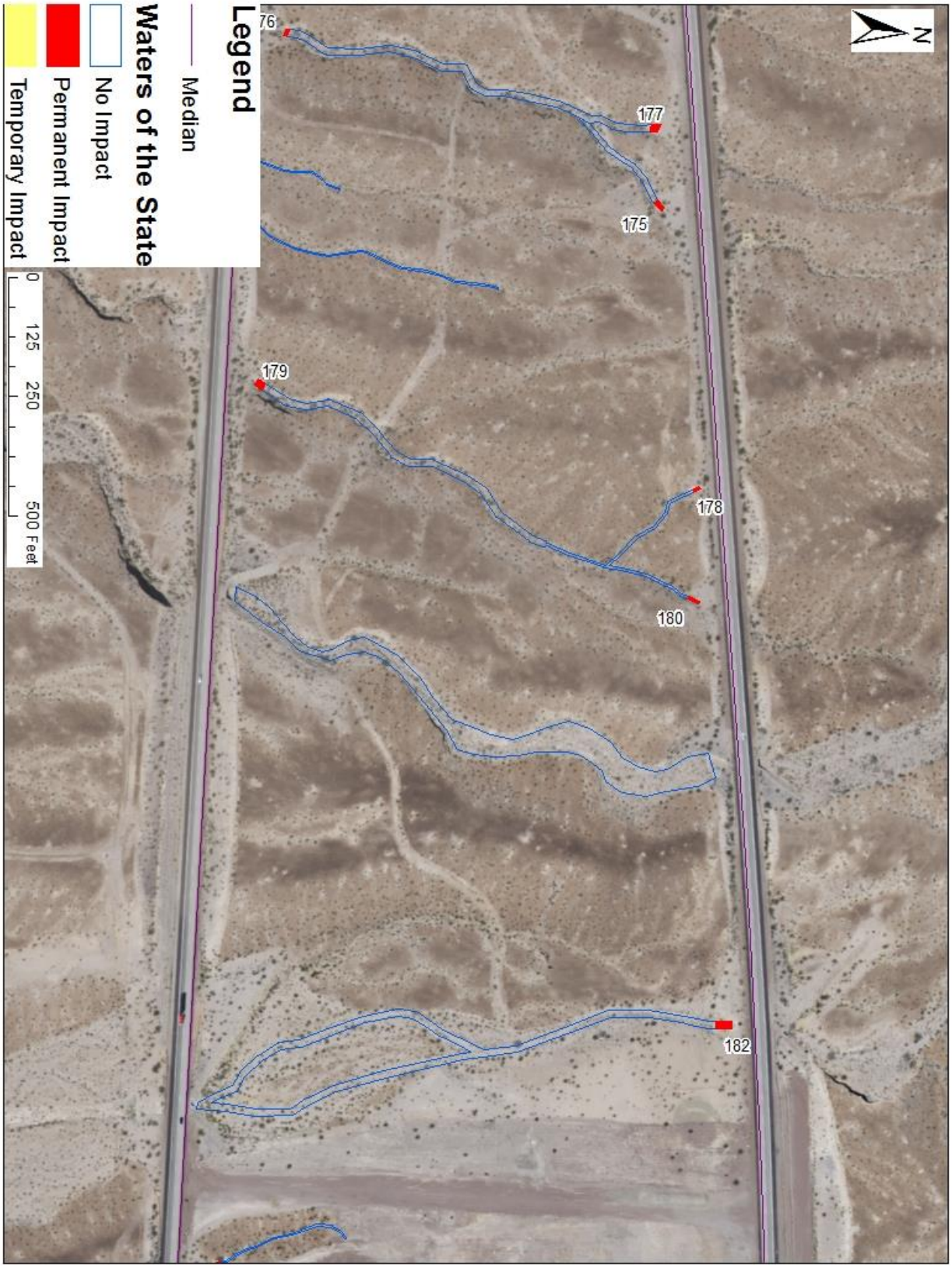
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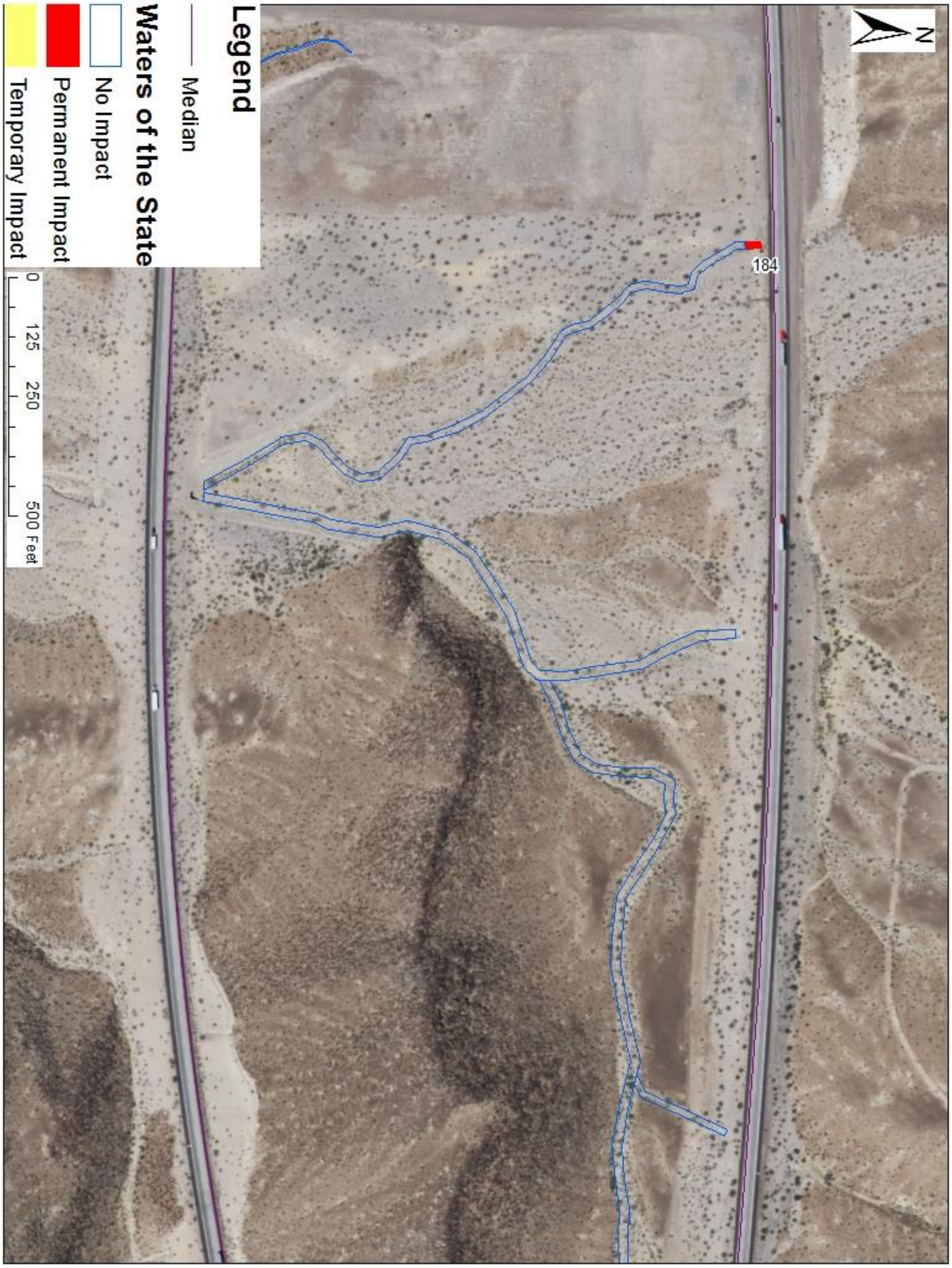
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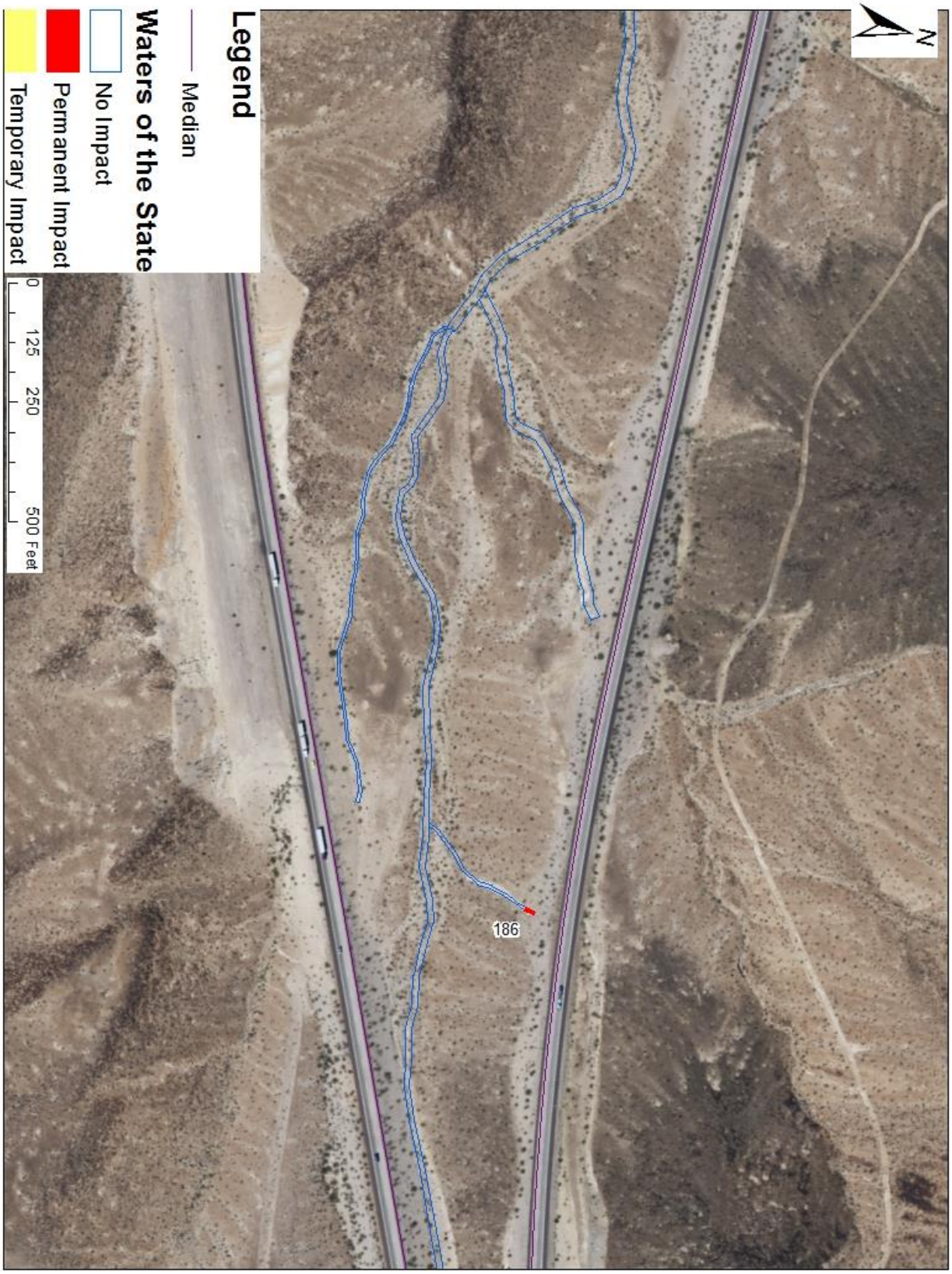
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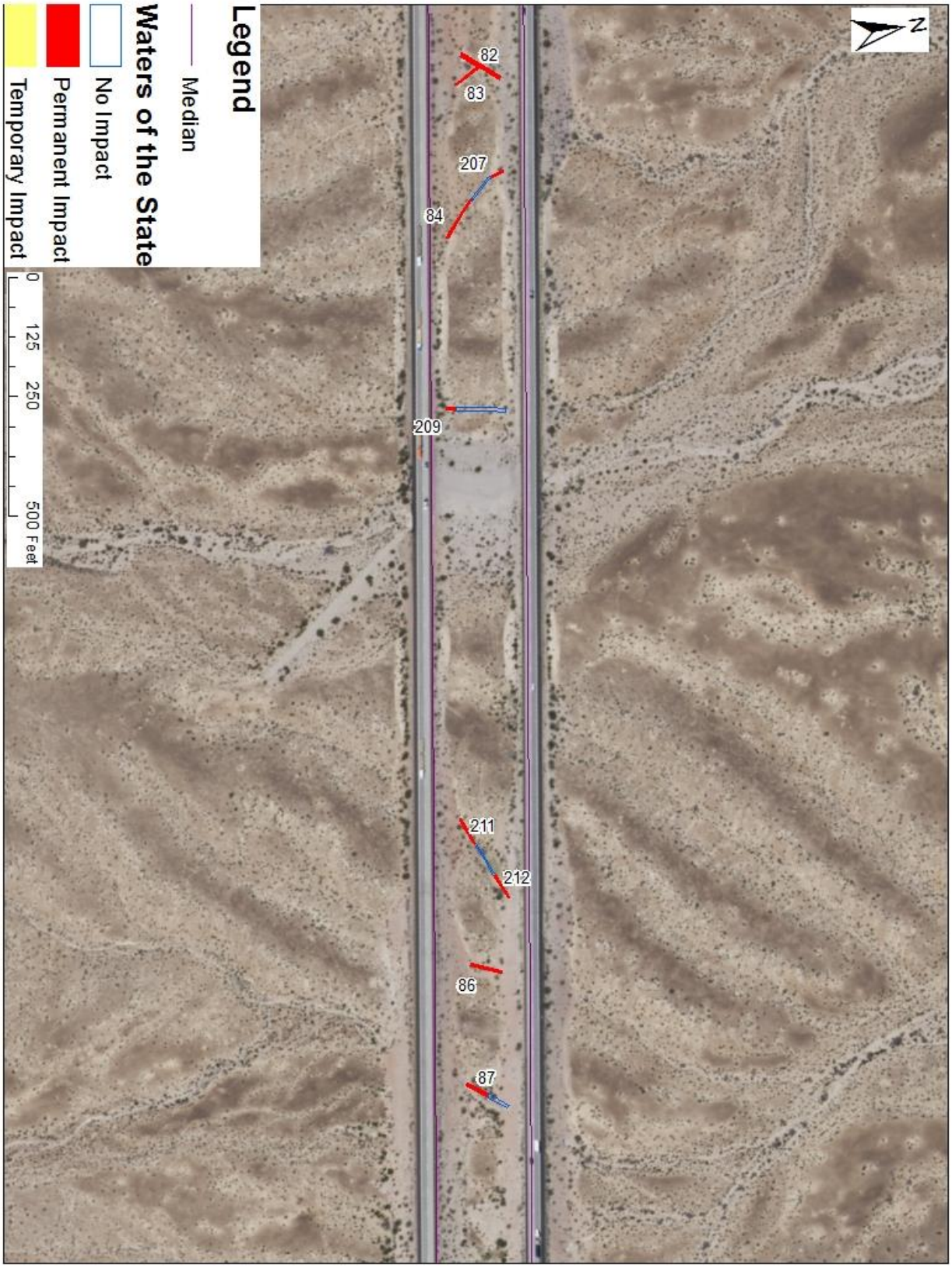
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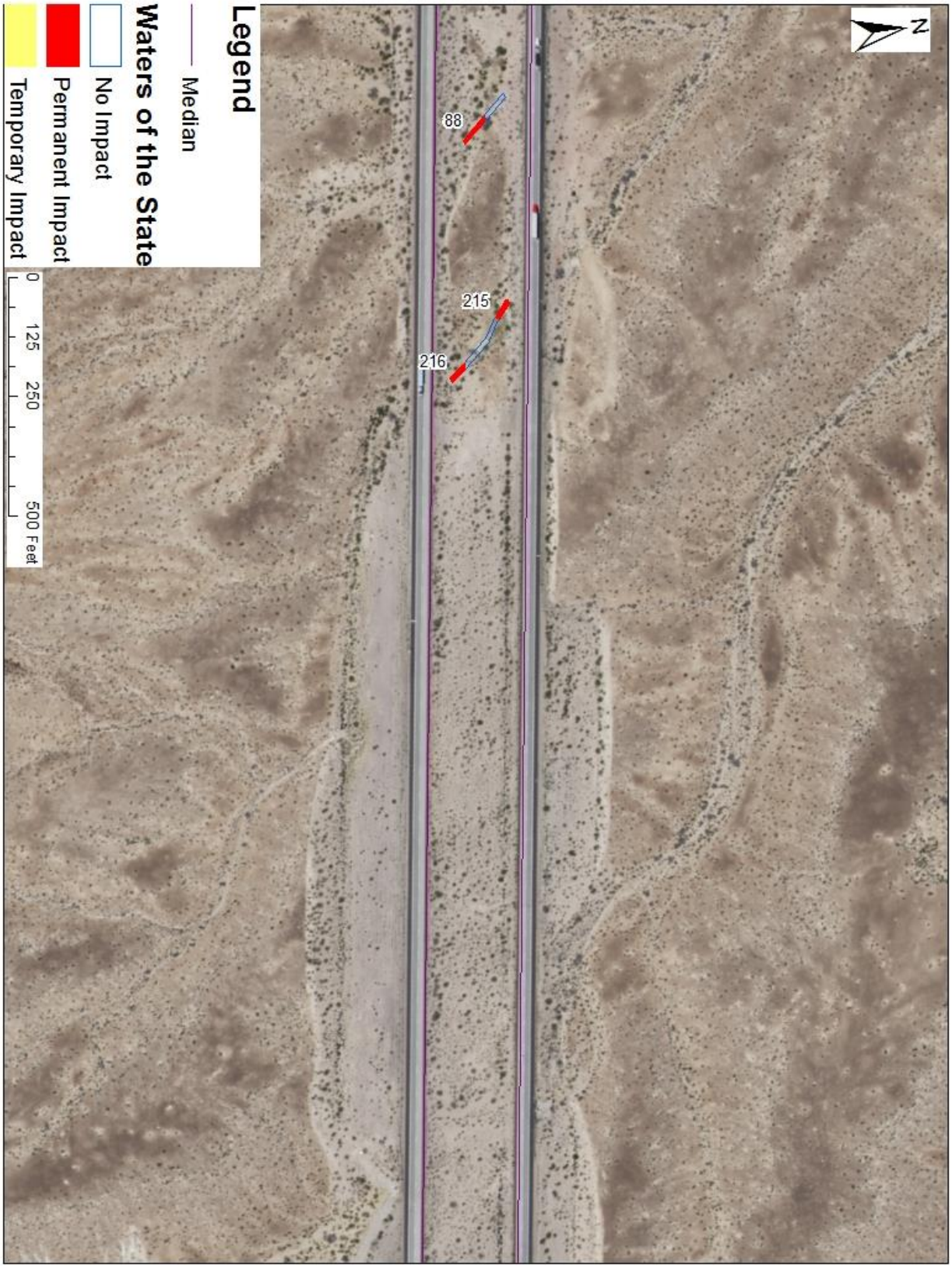
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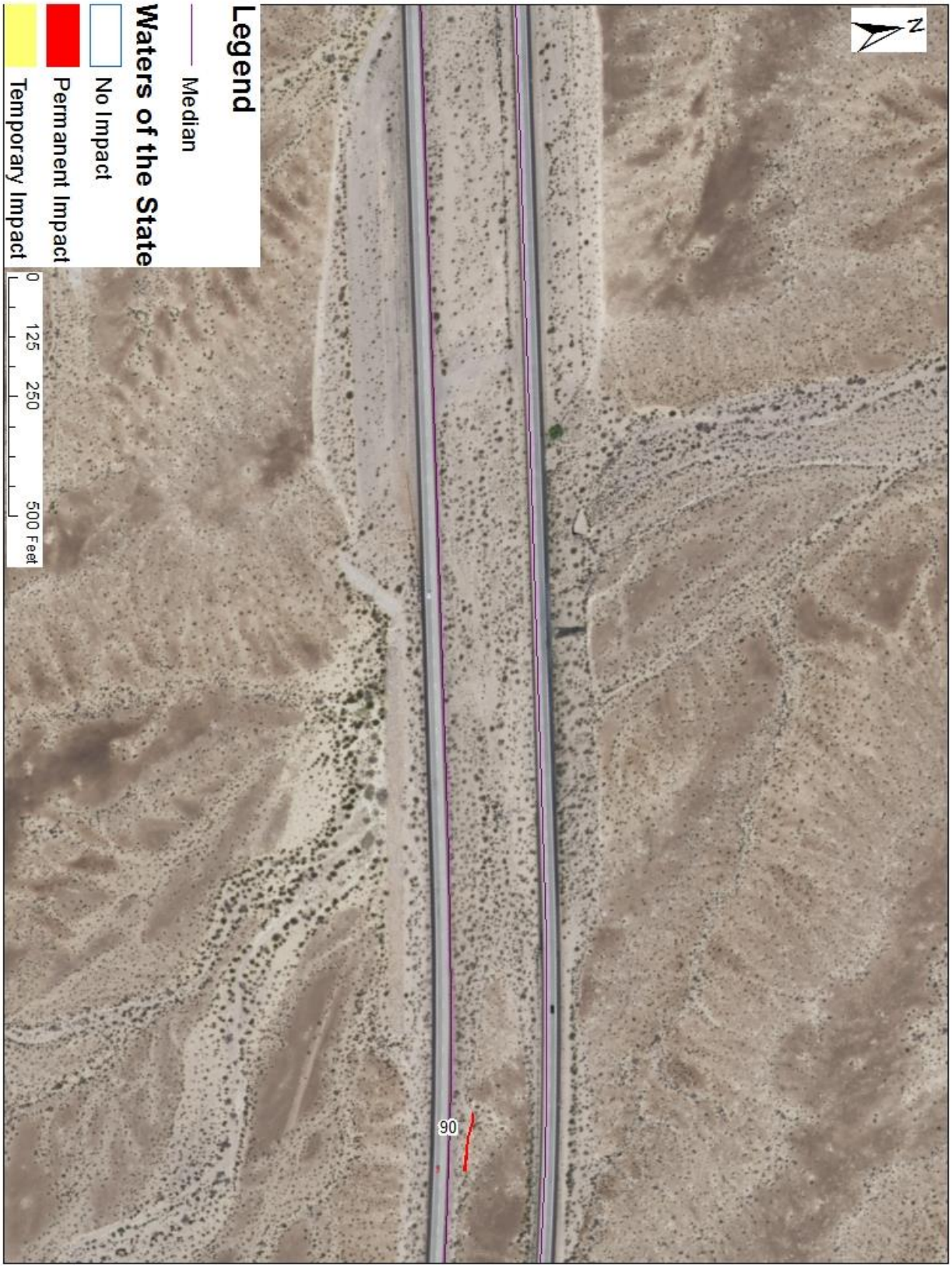
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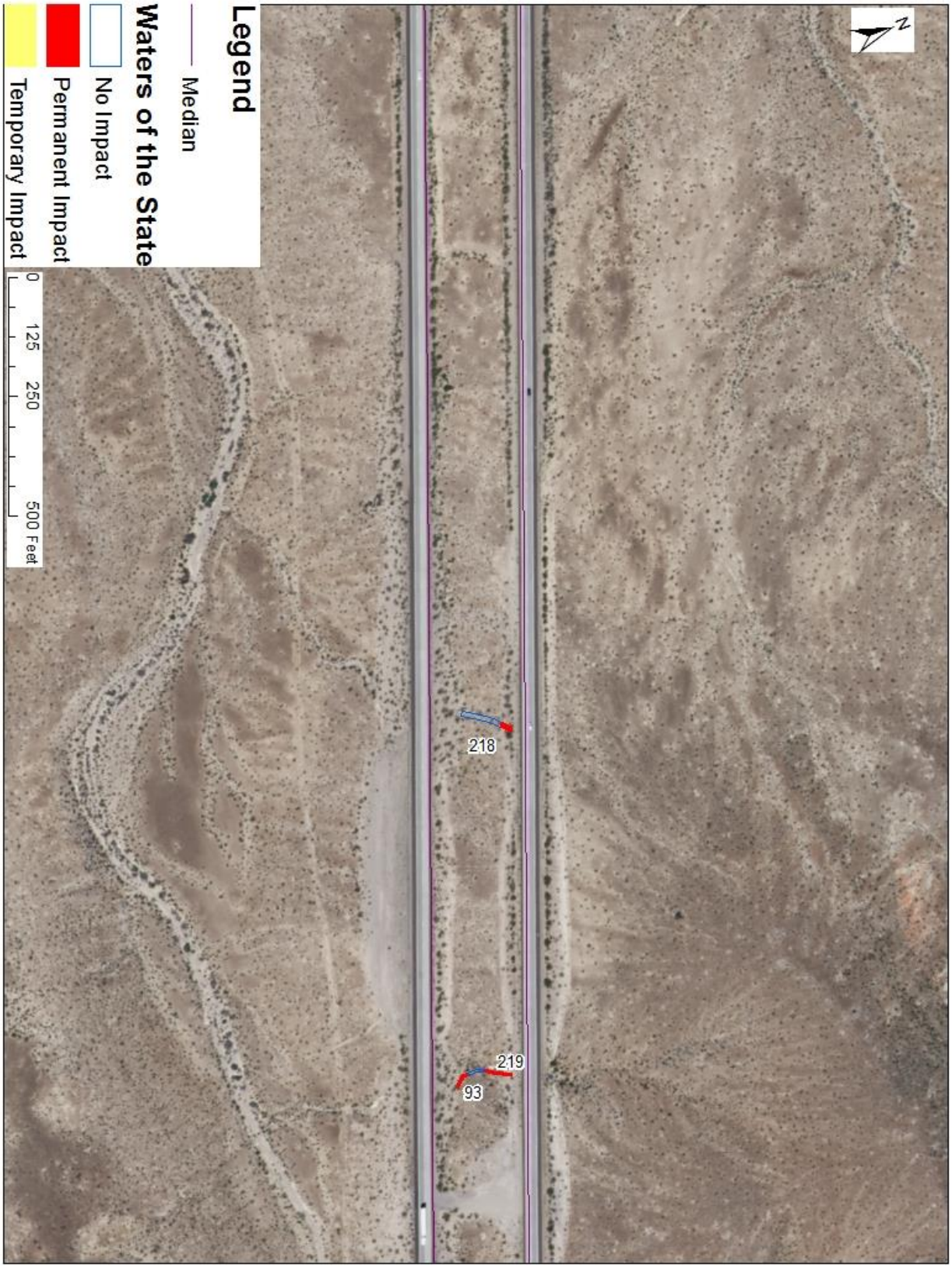
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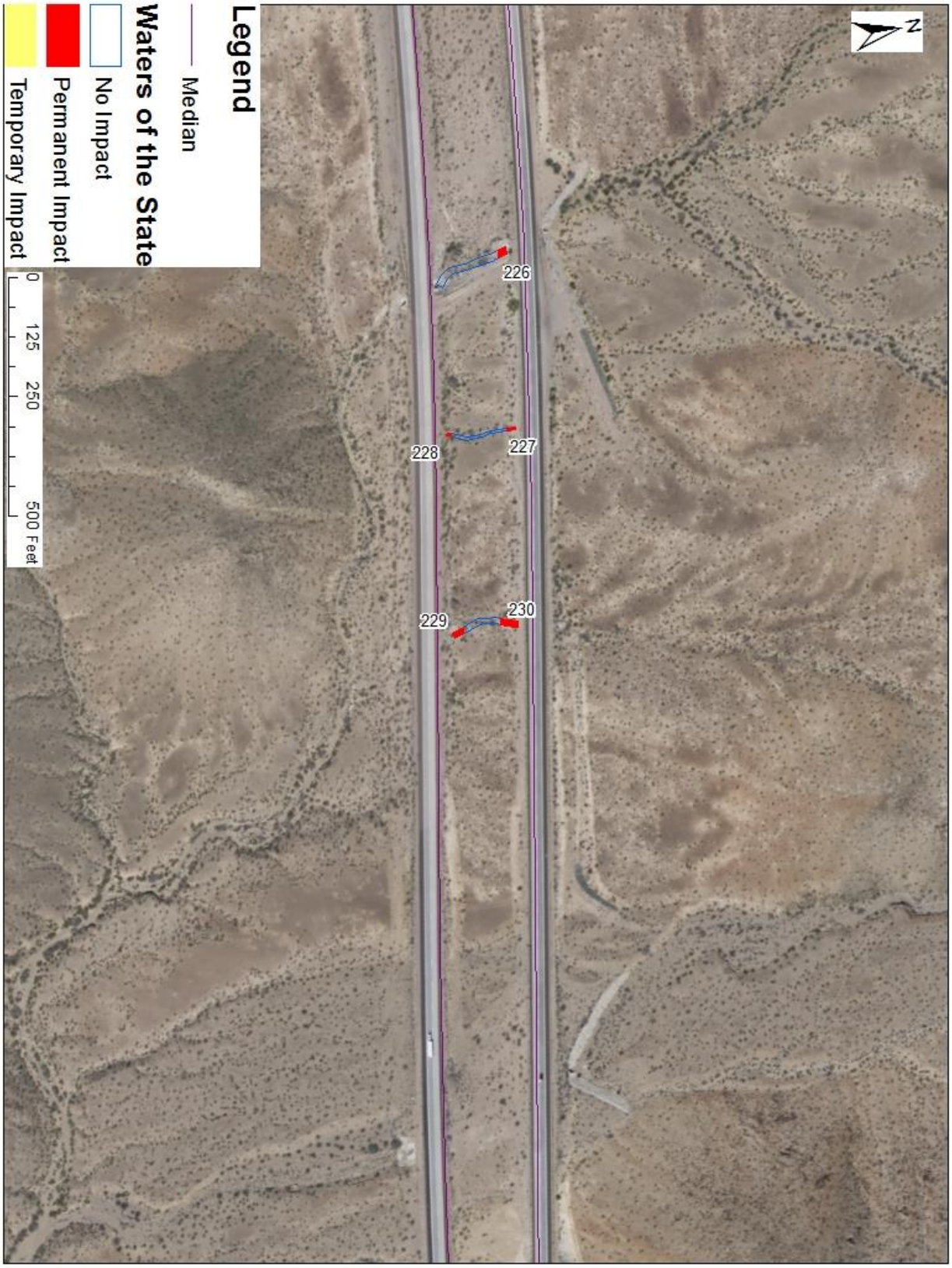
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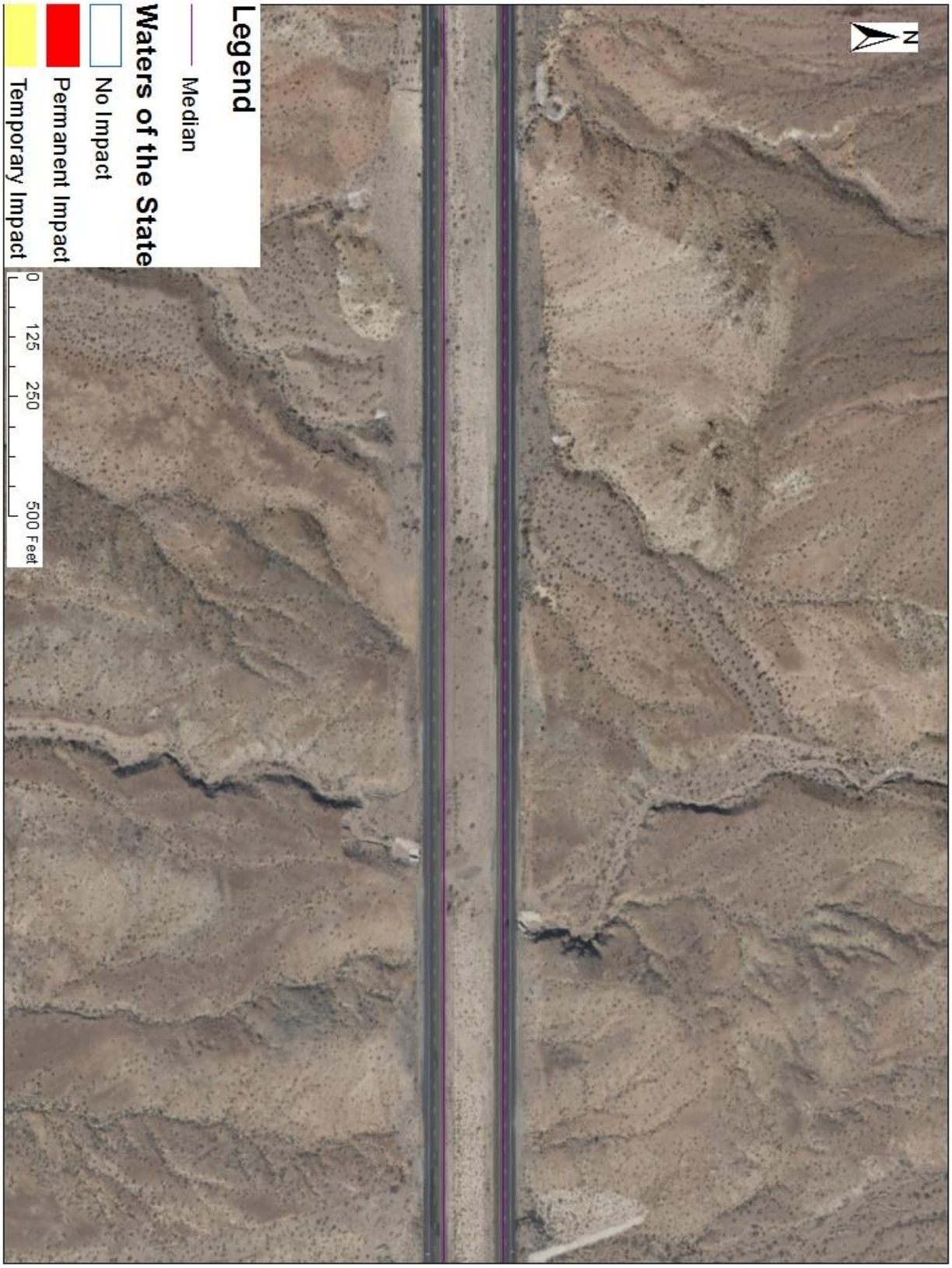
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Receiving Waters

The following table shows the receiving waters associated with each impact and Permittee responsible mitigation site.

Table 1: Receiving Water(s) Information

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☐	0	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	1	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	2	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	3	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	4	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	5	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	6	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
	7	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A

12 California Rapid Assessment Method (CRAM) score of impacted sites provided by the Permittee.

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
	8	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	9	Broadwell Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☒	10	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☒	28	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	31	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	34	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	35	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	77	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	80	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
				Subarea) 710.10				
☒	81	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	82	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	83	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	84	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	86	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	87	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	88	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☒	90	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	93	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☐	108	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	109	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	110	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	111	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	112	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	113	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	114	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☐	115	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	116	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	117	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	118	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	119	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	120	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	121	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	122	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	123	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	124	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☐	125	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☐	126	Unnamed Ephemeral Wash	*Ephemeral Stream*	*Broadwell Hydrologic Unit 629.00*	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, COMM, WARM, COLD, WILD	N/A	N/A
☒	127	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	128	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	129	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	130	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	131	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	132	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☒	133	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	134	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	135	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	136	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	137	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	138	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	139	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	140	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
				Subarea) 710.10				
☒	141	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	143	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	144	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	145	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	147	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	148	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	149	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☒	150	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	151	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	152	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	153	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	154	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	155	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	156	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	157	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
				Subarea) 710.10				
☒	158	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	159	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	160	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	161	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	162	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	163	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	164	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☒	165	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	166	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	167	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	168	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	169	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	170	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	171	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	172	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
				Subarea) 710.10				
☒	173	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	174	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	175	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	176	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	177	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	178	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	179	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☒	180	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	182	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	183	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	184	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	186	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	187	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	188	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	189	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
				Subarea) 710.10				
☒	190	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	191	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	192	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	193	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	194	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	196	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	197	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☒	201	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	202	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	203	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	204	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	205	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	207	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	209	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	211	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
				Subarea) 628.82				
☒	212	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	215	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	216	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	217	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	218	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	219	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	221	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☒	222	Unnamed Ephemeral Wash	*Ephemeral Stream*	Mojave (Soda Lake Subarea) 628.82	*Minor Surface Waters*	MUN, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD	N/A	N/A
☒	223	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	224	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	225	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	226	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	227	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	228	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	229	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
				Subarea) 710.10				
☒	230	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	231	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	232	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	233	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	234	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	235	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A
☒	236	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID12
☒	237	Unnamed Ephemeral Wash	*Ephemeral Stream*	Route Sixty Six (Bristol Subarea) 710.10	*Washes (Ephemeral Streams)*	GWR, REC-2, WARM, WILD	N/A	N/A

Individual Direct Impact Locations

Table 2 shows individual impact locations and sizes.

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
0	34.7259	-116.154	☐	☒	Temporary	0.006		26
					Permanent			
1	34.72613	-116.149	☐	☒	Temporary	0.010		36
					Permanent			
2	34.72628	-116.146	☐	☒	Temporary	0.011		46
					Permanent			
3	34.72638	-116.144	☐	☒	Temporary			
					Permanent	0.003		29
4	34.72639	-116.143	☐	☒	Temporary			
					Permanent	0.005		38
5	34.72656	-116.136	☐	☒	Temporary	0.007		31
					Permanent			
6	34.72662	-116.133	☐	☒	Temporary			
					Permanent	0.007		38
7	34.72662	-116.133	☐	☒	Temporary			
					Permanent	0.006		33
8	34.72668	-116.13	☐	☒	Temporary	0.050		64
					Permanent			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
9	34.72745	-116.091	☐	☒	Temporary	0.110		96
					Permanent			
10	34.72757	-116.085	☐	☒	Temporary	0.003		36
					Permanent			
28	34.72219	-115.996	☐	☒	Temporary			
					Permanent	0.013		69
31	34.72052	-115.984	☐	☒	Temporary			
					Permanent	0.026		380
34	34.72168	-115.972	☐	☒	Temporary			
					Permanent	0.005		50
35	34.722	-115.971	☐	☒	Temporary			
					Permanent	0.018		200
77	34.73377	-115.867	☐	☒	Temporary			
					Permanent	0.016		87
80	34.73402	-115.869	☐	☒	Temporary			
					Permanent	0.018		100
81	34.73109	-115.851	☐	☒	Temporary			
					Permanent	0.020		214
82	34.73077	-115.849	☐	☒	Temporary			
					Permanent	0.018		96
83	34.73069	-115.849	☐	☒	Temporary			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
					Permanent	0.005		60
84	34.73048	-115.848	☐	☒	Temporary			
					Permanent	0.009		98
86	34.7298	-115.843	☐	☒	Temporary			
					Permanent	0.006		68
87	34.72961	-115.842	☐	☒	Temporary			
					Permanent	0.009		50
88	34.72935	-115.84	☐	☒	Temporary			
					Permanent	0.01		68
90	34.72682	-115.825	☐	☒	Temporary			
					Permanent	0.007		121
93	34.72222	-115.81	☐	☒	Temporary			
					Permanent	0.005		36
108	34.72594	-116.154	☐	☒	Temporary			
					Permanent	0.001		3
109	34.72586	-116.154	☐	☒	Temporary			
					Permanent	0.001		4
110	34.72597	-116.154	☐	☒	Temporary			
					Permanent	0.001		5
111	34.72586	-116.154	☐	☒	Temporary			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
					Permanent	0.001		5
112	34.72592	-116.154	☐	☒	Temporary	0.008		33
					Permanent			
113	34.72603	-116.151	☐	☒	Temporary			
					Permanent	0.002		12
114	34.72607	-116.151	☐	☒	Temporary	0.004		24
					Permanent			
115	34.72611	-116.151	☐	☒	Temporary			
					Permanent	0.002		12
116	34.72607	-116.149	☐	☒	Temporary			
					Permanent	0.002		8
117	34.7262	-116.149	☐	☒	Temporary			
					Permanent	0.005		18
118	34.72635	-116.144	☐	☒	Temporary	0.002		26
					Permanent			
119	34.72656	-116.139	☐	☒	Temporary			
					Permanent	0.003		18
120	34.72649	-116.139	☐	☒	Temporary	0.005		37
					Permanent			
121	34.72643	-116.139	☐	☒	Temporary			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
					Permanent	0.001		8
122	34.72662	-116.136	☐	☒	Temporary			
					Permanent	0.004		17
123	34.7265	-116.136	☐	☒	Temporary			
					Permanent	0.005		20
124	34.72073	-116.066	☐	☒	Temporary			
					Permanent	0.005		27
125	34.71576	-116.045	☐	☒	Temporary			
					Permanent	0.002		11
126	34.71477	-116.045	☐	☒	Temporary			
					Permanent	0.009		37
127	34.71649	-116.039	☐	☒	Temporary			
					Permanent	0.009		39
128	34.71448	-116.042	☐	☒	Temporary			
					Permanent	0.008		36
129	34.71777	-116.027	☐	☒	Temporary			
					Permanent	0.008		41
130	34.71595	-116.027	☐	☒	Temporary			
					Permanent	0.005		35
131	34.71855	-116.016	☐	☒	Temporary			
					Permanent	0.009		32

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
132	34.71829	-116.016	☐	☒	Temporary			
					Permanent	0.010		35
133	34.72291	-116	☐	☒	Temporary			
					Permanent	0.018		78
134	34.72288	-115.999	☐	☒	Temporary			
					Permanent	0.01		53
135	34.7228	-115.999	☐	☒	Temporary			
					Permanent	0.003		48
136	34.72266	-115.998	☐	☒	Temporary			
					Permanent	0.004		48
137	34.72225	-115.997	☐	☒	Temporary			
					Permanent	0.003		21
138	34.72243	-115.997	☐	☒	Temporary			
					Permanent	0.005		37
139	34.72047	-115.986	☐	☒	Temporary			
					Permanent	0.010		46
140	34.72051	-115.984	☐	☒	Temporary			
					Permanent	0.015		33
141	34.72094	-115.983	☐	☒	Temporary			
					Permanent	0.015		221
143	34.72063	-115.98	☐	☒	Temporary			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
					Permanent	0.002		23
144	34.72113	-115.98	☐	☒	Temporary			
					Permanent	0.003		27
145	34.72198	-115.972	☐	☒	Temporary			
					Permanent	0.008		92
147	34.72253	-115.968	☐	☒	Temporary			
					Permanent	0.010		54
148	34.72207	-115.968	☐	☒	Temporary			
					Permanent	0.010		56
149	34.72268	-115.967	☐	☒	Temporary			
					Permanent	0.02		64
150	34.72228	-115.967	☐	☒	Temporary			
					Permanent	0.022		65
151	34.72309	-115.964	☐	☒	Temporary			
					Permanent	0.004		29
152	34.72255	-115.965	☐	☒	Temporary			
					Permanent	0.005		33
153	34.72292	-115.962	☐	☒	Temporary			
					Permanent	0.002		23
154	34.72342	-115.962	☐	☒	Temporary			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
					Permanent	0.002		27
155	34.72333	-115.959	☐	☒	Temporary			
					Permanent	0.003		18
156	34.7237	-115.959	☐	☒	Temporary			
					Permanent	0.002		16
157	34.72483	-115.95	☐	☒	Temporary			
					Permanent	0.005		29
158	34.72386	-115.951	☐	☒	Temporary			
					Permanent	0.006		25
159	34.7249	-115.95	☐	☒	Temporary			
					Permanent	0.008		34
160	34.72519	-115.948	☐	☒	Temporary			
					Permanent	0.005		23
161	34.72386	-115.949	☐	☒	Temporary			
					Permanent	0.007		30
162	34.7253	-115.947	☐	☒	Temporary			
					Permanent	0.005		24
163	34.72387	-115.948	☐	☒	Temporary			
					Permanent	0.005		21
164	34.72558	-115.945	☐	☒	Temporary			
					Permanent	0.015		113

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
165	34.72385	-115.947	☐	☒	Temporary			
					Permanent	0.021		152
166	34.72573	-115.944	☐	☒	Temporary			
					Permanent	0.004		18
167	34.72389	-115.945	☐	☒	Temporary			
					Permanent	0.004		18
168	34.72575	-115.943	☐	☒	Temporary			
					Permanent	0.004		16
169	34.72586	-115.943	☐	☒	Temporary			
					Permanent	0.004		19
170	34.72603	-115.941	☐	☒	Temporary			
					Permanent	0.005		20
171	34.7239	-115.944	☐	☒	Temporary			
					Permanent	0.005		22
172	34.72623	-115.94	☐	☒	Temporary			
					Permanent	0.008		30
173	34.7241	-115.94	☐	☒	Temporary			
					Permanent	0.004		16
174	34.72625	-115.939	☐	☒	Temporary			
					Permanent	0.004		29
175	34.72643	-115.937	☐	☒	Temporary			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
					Permanent	0.005		22
176	34.72421	-115.938	☐	☒	Temporary			
					Permanent	0.003		8
177	34.72637	-115.938	☐	☒	Temporary			
					Permanent	0.005		20
178	34.72678	-115.935	☐	☒	Temporary			
					Permanent	0.002		16
179	34.72422	-115.936	☐	☒	Temporary			
					Permanent	0.006		18
180	34.72682	-115.935	☐	☒	Temporary			
					Permanent	0.003		25
182	34.7272	-115.932	☐	☒	Temporary			
					Permanent	0.011		32
183	34.72438	-115.93	☐	☒	Temporary			
					Permanent	0.002		29
184	34.72753	-115.929	☐	☒	Temporary			
					Permanent	0.012		25
186	34.72769	-115.916	☐	☒	Temporary			
					Permanent	0.003		22
187	34.72813	-115.912	☐	☒	Temporary			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
					Permanent	0.020		44
188	34.73095	-115.901	☐	☒	Temporary			
					Permanent	0.02		64
189	34.73074	-115.901	☐	☒	Temporary			
					Permanent	0.009		25
190	34.73129	-115.899	☐	☒	Temporary			
					Permanent	0.003		14
191	34.73209	-115.898	☐	☒	Temporary			
					Permanent	0.005		39
192	34.73169	-115.898	☐	☒	Temporary			
					Permanent	0.003		22
193	34.73286	-115.896	☐	☒	Temporary			
					Permanent	0.001		11
194	34.73318	-115.895	☐	☒	Temporary			
					Permanent	0.005		29
196	34.73341	-115.894	☐	☒	Temporary			
					Permanent	0.004		19
197	34.73453	-115.888	☐	☒	Temporary			
					Permanent	0.115		423
201	34.73371	-115.867	☐	☒	Temporary			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
					Permanent	0.017		62
202	34.73345	-115.866	☐	☒	Temporary			
					Permanent	0.01		62
203	34.73323	-115.866	☐	☒	Temporary			
					Permanent	0.003		16
204	34.73206	-115.858	☐	☒	Temporary			
					Permanent	0.002		70
205	34.73215	-115.857	☐	☒	Temporary			
					Permanent	0.08		138
207	34.73075	-115.848	☐	☒	Temporary			
					Permanent	0.003		28
209	34.73023	-115.847	☐	☒	Temporary			
					Permanent	0.004		20
211	34.72985	-115.844	☐	☒	Temporary			
					Permanent	0.005		63
212	34.72998	-115.843	☐	☒	Temporary			
					Permanent	0.005		56
215	34.72933	-115.839	☐	☒	Temporary			
					Permanent	0.010		44
216	34.72901	-115.839	☐	☒	Temporary			
					Permanent	0.009		40

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
217	34.72533	-115.82	☐	☒	Temporary			
					Permanent	0.004		42
218	34.72322	-115.812	☐	☒	Temporary			
					Permanent	0.001		24
219	34.72242	-115.81	☐	☒	Temporary			
					Permanent	0.008		57
221	34.72196	-115.809	☐	☒	Temporary			
					Permanent	0.005		66
222	34.72175	-115.809	☐	☒	Temporary			
					Permanent	0.003		34
223	34.71978	-115.795	☐	☒	Temporary			
					Permanent	0.010		44
224	34.7193	-115.788	☐	☒	Temporary			
					Permanent	0.007		25
225	34.71957	-115.788	☐	☒	Temporary			
					Permanent	0.010		36
226	34.71917	-115.783	☐	☒	Temporary			
					Permanent	0.006		19
227	34.719	-115.782	☐	☒	Temporary			
					Permanent	0.003		18
228	34.71865	-115.782	☐	☒	Temporary			

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
					Permanent	0.001		9
229	34.71846	-115.781	☐	☒	Temporary			
					Permanent	0.005		22
230	34.71876	-115.781	☐	☒	Temporary			
					Permanent	0.010		37
231	34.71653	-115.739	☐	☒	Temporary			
					Permanent	0.001		15
232	34.71684	-115.739	☐	☒	Temporary			
					Permanent	0.002		23
233	34.71693	-115.738	☐	☒	Temporary			
					Permanent	0.002		17
234	34.71657	-115.738	☐	☒	Temporary			
					Permanent	0.001		6
235	34.71716	-115.735	☐	☒	Temporary			
					Permanent	0.004		15
236	34.73149	-115.899	☐	☒	Temporary			
					Permanent	0.03		174
237	34.73096	-115.85	☐	☒	Temporary			
					Permanent	0.007		72
PERMANENT IMPACT TOTAL						**1.11**		**6166**

Table 2: Individual Direct Impact Location Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
TEMPORARY IMPACT TOTAL						**0.22**		**447**
IMPACT TOTAL						**1.33**		**6613**

Compensatory Mitigation Information

The following tables show individual compensatory mitigation information and locations. Table 3 identifies sites of temporary impacts that must be restored to pre-project conditions. Table 4 shows amount of compensatory mitigation required for each impact site.

Permittee Responsible Compensatory Mitigation Site Information

Table 3: Onsite Permittee Responsible Restoration of Temporary Impacts

Impact Site ID	Lat.	Long.	Aquatic Resource Type	Mitigation Method	Mitigation Quantity	
					Acres	Linear Feet
0	34.7259	-116.154	Stream Channel	Rehabilitation	0.006	25
1	34.72613	-116.149	Stream Channel	Rehabilitation	0.010	36
2	34.72628	-116.146	Stream Channel	Rehabilitation	0.011	45
5	34.72656	-116.136	Stream Channel	Rehabilitation	0.007	31
8	34.72668	-116.13	Stream Channel	Rehabilitation	0.050	63
9	34.72745	-116.091	Stream Channel	Rehabilitation	0.110	96
10	34.72757	-116.085	Stream Channel	Rehabilitation	0.003	35
112	34.72592	-116.154	Stream Channel	Rehabilitation	0.008	32
114	34.72607	-116.151	Stream Channel	Rehabilitation	0.004	23
118	34.72635	-116.144	Stream Channel	Rehabilitation	0.002	26
120	34.72649	-116.139	Stream Channel	Rehabilitation	0.007	35
TOTAL MITIGATION QUANTITY			**Stream Channel**	**Rehabilitation**	**0.22**	**447**

Table 4: Offsite Permittee Responsible Compensatory Mitigation

Impact Site ID	Mitigation Lat.	Mitigation Long.	Aquatic Resource Type	Mitigation Method	Mitigation Quantity	
					Acres	Linear Feet
0	TBD	TBD	Stream Channel	Preservation	0.018	78
1	TBD	TBD	Stream Channel	Preservation	0.03	108
2	TBD	TBD	Stream Channel	Preservation	0.03	138
3	TBD	TBD	Stream Channel	Preservation	0.009	87
4	TBD	TBD	Stream Channel	Preservation	0.01	113
5	TBD	TBD	Stream Channel	Preservation	0.021	93
6	TBD	TBD	Stream Channel	Preservation	0.021	115
7	TBD	TBD	Stream Channel	Preservation	0.015	99
8	TBD	TBD	Stream Channel	Preservation	0.15	192
9	TBD	TBD	Stream Channel	Preservation	0.3	288
10	TBD	TBD	Stream Channel	Preservation	0.009	108
28	TBD	TBD	Stream Channel	Preservation	0.035	207
31	TBD	TBD	Stream Channel	Preservation	0.075	1142
34	TBD	TBD	Stream Channel	Preservation	0.015	151
35	TBD	TBD	Stream Channel	Preservation	0.05	599
77	TBD	TBD	Stream Channel	Preservation	0.045	261
80	TBD	TBD	Stream Channel	Preservation	0.05	301
81	TBD	TBD	Stream Channel	Preservation	0.06	641
82	TBD	TBD	Stream Channel	Preservation	0.05	288
83	TBD	TBD	Stream Channel	Preservation	0.015	179
84	TBD	TBD	Stream Channel	Preservation	0.025	295
86	TBD	TBD	Stream Channel	Preservation	0.018	203
87	TBD	TBD	Stream Channel	Preservation	0.025	149
88	TBD	TBD	Stream Channel	Preservation	0.036	204
90	TBD	TBD	Stream Channel	Preservation	0.02	364
93	TBD	TBD	Stream Channel	Preservation	0.015	109
108	TBD	TBD	Stream Channel	Preservation	0.003	11

Table 4: Offsite Permittee Responsible Compensatory Mitigation

Impact Site ID	Mitigation Lat.	Mitigation Long.	Aquatic Resource Type	Mitigation Method	Mitigation Quantity	
					Acres	Linear Feet
109	TBD	TBD	Stream Channel	Preservation	0.003	11
110	TBD	TBD	Stream Channel	Preservation	0.003	16
111	TBD	TBD	Stream Channel	Preservation	0.003	16
112	TBD	TBD	Stream Channel	Preservation	0.024	99
113	TBD	TBD	Stream Channel	Preservation	0.006	36
114	TBD	TBD	Stream Channel	Preservation	0.012	72
115	TBD	TBD	Stream Channel	Preservation	0.006	37
116	TBD	TBD	Stream Channel	Preservation	0.006	22
117	TBD	TBD	Stream Channel	Preservation	0.015	54
118	TBD	TBD	Stream Channel	Preservation	0.006	78
119	TBD	TBD	Stream Channel	Preservation	0.009	52
120	TBD	TBD	Stream Channel	Preservation	0.021	111
121	TBD	TBD	Stream Channel	Preservation	0.003	23
122	TBD	TBD	Stream Channel	Preservation	0.012	52
123	TBD	TBD	Stream Channel	Preservation	0.015	60
124	TBD	TBD	Stream Channel	Preservation	0.015	80
125	TBD	TBD	Stream Channel	Preservation	0.006	33
126	TBD	TBD	Stream Channel	Preservation	0.027	112
127	TBD	TBD	Stream Channel	Preservation	0.027	117
128	TBD	TBD	Stream Channel	Preservation	0.024	109
129	TBD	TBD	Stream Channel	Preservation	0.024	123
130	TBD	TBD	Stream Channel	Preservation	0.018	104
131	TBD	TBD	Stream Channel	Preservation	0.027	97
132	TBD	TBD	Stream Channel	Preservation	0.03	104
133	TBD	TBD	Stream Channel	Preservation	0.054	235
134	TBD	TBD	Stream Channel	Preservation	0.035	159
135	TBD	TBD	Stream Channel	Preservation	0.009	144

Table 4: Offsite Permittee Responsible Compensatory Mitigation

Impact Site ID	Mitigation Lat.	Mitigation Long.	Aquatic Resource Type	Mitigation Method	Mitigation Quantity	
					Acres	Linear Feet
136	TBD	TBD	Stream Channel	Preservation	0.012	145
137	TBD	TBD	Stream Channel	Preservation	0.009	64
138	TBD	TBD	Stream Channel	Preservation	0.015	110
139	TBD	TBD	Stream Channel	Preservation	0.03	137
140	TBD	TBD	Stream Channel	Preservation	0.045	98
141	TBD	TBD	Stream Channel	Preservation	0.045	662
143	TBD	TBD	Stream Channel	Preservation	0.006	72
144	TBD	TBD	Stream Channel	Preservation	0.009	82
145	TBD	TBD	Stream Channel	Preservation	0.024	277
147	TBD	TBD	Stream Channel	Preservation	0.03	163
148	TBD	TBD	Stream Channel	Preservation	0.03	166
149	TBD	TBD	Stream Channel	Preservation	0.065	192
150	TBD	TBD	Stream Channel	Preservation	0.065	195
151	TBD	TBD	Stream Channel	Preservation	0.012	86
152	TBD	TBD	Stream Channel	Preservation	0.015	98
153	TBD	TBD	Stream Channel	Preservation	0.006	69
154	TBD	TBD	Stream Channel	Preservation	0.006	80
155	TBD	TBD	Stream Channel	Preservation	0.009	55
156	TBD	TBD	Stream Channel	Preservation	0.006	47
157	TBD	TBD	Stream Channel	Preservation	0.021	87
158	TBD	TBD	Stream Channel	Preservation	0.018	76
159	TBD	TBD	Stream Channel	Preservation	0.024	102
160	TBD	TBD	Stream Channel	Preservation	0.015	70
161	TBD	TBD	Stream Channel	Preservation	0.021	91
162	TBD	TBD	Stream Channel	Preservation	0.015	71
163	TBD	TBD	Stream Channel	Preservation	0.015	63
164	TBD	TBD	Stream Channel	Preservation	0.048	339

Table 4: Offsite Permittee Responsible Compensatory Mitigation

Impact Site ID	Mitigation Lat.	Mitigation Long.	Aquatic Resource Type	Mitigation Method	Mitigation Quantity	
					Acres	Linear Feet
165	TBD	TBD	Stream Channel	Preservation	0.063	457
166	TBD	TBD	Stream Channel	Preservation	0.012	55
167	TBD	TBD	Stream Channel	Preservation	0.012	55
168	TBD	TBD	Stream Channel	Preservation	0.012	48
169	TBD	TBD	Stream Channel	Preservation	0.012	57
170	TBD	TBD	Stream Channel	Preservation	0.015	61
171	TBD	TBD	Stream Channel	Preservation	0.015	65
172	TBD	TBD	Stream Channel	Preservation	0.024	90
173	TBD	TBD	Stream Channel	Preservation	0.012	47
174	TBD	TBD	Stream Channel	Preservation	0.012	88
175	TBD	TBD	Stream Channel	Preservation	0.015	66
176	TBD	TBD	Stream Channel	Preservation	0.009	23
177	TBD	TBD	Stream Channel	Preservation	0.021	60
178	TBD	TBD	Stream Channel	Preservation	0.006	48
179	TBD	TBD	Stream Channel	Preservation	0.018	55
180	TBD	TBD	Stream Channel	Preservation	0.009	76
182	TBD	TBD	Stream Channel	Preservation	0.033	97
183	TBD	TBD	Stream Channel	Preservation	0.006	88
184	TBD	TBD	Stream Channel	Preservation	0.036	76
186	TBD	TBD	Stream Channel	Preservation	0.009	66
187	TBD	TBD	Stream Channel	Preservation	0.06	133
188	TBD	TBD	Stream Channel	Preservation	0.066	193
189	TBD	TBD	Stream Channel	Preservation	0.027	74
190	TBD	TBD	Stream Channel	Preservation	0.009	41
191	TBD	TBD	Stream Channel	Preservation	0.015	118
192	TBD	TBD	Stream Channel	Preservation	0.009	65
193	TBD	TBD	Stream Channel	Preservation	0.003	32

Table 4: Offsite Permittee Responsible Compensatory Mitigation

Impact Site ID	Mitigation Lat.	Mitigation Long.	Aquatic Resource Type	Mitigation Method	Mitigation Quantity	
					Acres	Linear Feet
194	TBD	TBD	Stream Channel	Preservation	0.021	86
196	TBD	TBD	Stream Channel	Preservation	0.012	57
197	TBD	TBD	Stream Channel	Preservation	0.351	1269
201	TBD	TBD	Stream Channel	Preservation	0.051	187
202	TBD	TBD	Stream Channel	Preservation	0.033	186
203	TBD	TBD	Stream Channel	Preservation	0.009	47
204	TBD	TBD	Stream Channel	Preservation	0.006	209
205	TBD	TBD	Stream Channel	Preservation	0.246	413
207	TBD	TBD	Stream Channel	Preservation	0.009	83
209	TBD	TBD	Stream Channel	Preservation	0.012	61
211	TBD	TBD	Stream Channel	Preservation	0.018	188
212	TBD	TBD	Stream Channel	Preservation	0.015	167
215	TBD	TBD	Stream Channel	Preservation	0.03	131
216	TBD	TBD	Stream Channel	Preservation	0.027	119
217	TBD	TBD	Stream Channel	Preservation	0.012	127
218	TBD	TBD	Stream Channel	Preservation	0.018	72
219	TBD	TBD	Stream Channel	Preservation	0.024	172
221	TBD	TBD	Stream Channel	Preservation	0.018	198
222	TBD	TBD	Stream Channel	Preservation	0.009	102
223	TBD	TBD	Stream Channel	Preservation	0.03	133
224	TBD	TBD	Stream Channel	Preservation	0.021	74
225	TBD	TBD	Stream Channel	Preservation	0.03	107
226	TBD	TBD	Stream Channel	Preservation	0.018	56
227	TBD	TBD	Stream Channel	Preservation	0.009	55
228	TBD	TBD	Stream Channel	Preservation	0.003	28
229	TBD	TBD	Stream Channel	Preservation	0.018	67
230	TBD	TBD	Stream Channel	Preservation	0.03	111

Table 4: Offsite Permittee Responsible Compensatory Mitigation

Impact Site ID	Mitigation Lat.	Mitigation Long.	Aquatic Resource Type	Mitigation Method	Mitigation Quantity	
					Acres	Linear Feet
231	TBD	TBD	Stream Channel	Preservation	0.003	46
232	TBD	TBD	Stream Channel	Preservation	0.006	70
233	TBD	TBD	Stream Channel	Preservation	0.006	50
234	TBD	TBD	Stream Channel	Preservation	0.003	18
235	TBD	TBD	Stream Channel	Preservation	0.012	46
236	TBD	TBD	Stream Channel	Preservation	0.095	523
237	TBD	TBD	Stream Channel	Preservation	0.021	215
TOTAL COMPENSATORY MITIGATION QUANTITY			**STREAM CHANNEL**	**PRESERVATION**	**3.99**	**19839**

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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 State Water Resources Control Board (State Water Board) must 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 State 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."

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Certification Deviation Procedures

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 XII (K) of the Order, may be requested by the Permittee as set forth below:

Process Steps

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

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

Certification Deviation Request: The Permittee will request verification from the State 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 any other information required by State Water Board staff to determine whether the Project change or modification necessitates additional environmental review. (Cal. Code Regs., tit. 14, §§ 15061, 15162-15164.)

Action by State Water Board on Request: State Water Board staff will make a determination on the Certification Deviation request within 10 working days from receipt of a complete request and notify the Permittee via email of the staff determination. Determination of whether a Certification Deviation request is complete is at the discretion of State Water Board staff.

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.

Action by Water Board on Post-Discharge Activity Report: State Water Board staff will review the post-discharge Certification Deviation Report within 15 working days from receipt of a complete report. State Water Board staff will determine, in consultation with the Permittee and other regulatory agencies, if applicable, whether additional mitigation will be required. If additional mitigation is required, State Water Board staff will inform the Permittee within the 15-day review period. Determination of whether a post-discharge activity report is complete is at the discretion of State Water Board staff.

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;
    g. Mitigation to be provided (approved mitigation ratio and amount).

Action by State Water Board on Annual Certification Deviation Report: Following issuance of a Notice of Completion of Discharges Letter or Notice of Project Complete Letter, the State Water Board will amend the Order to reflect all approved Certification Deviations and the amended Order will serve as a record of actual Project activities.

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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.shtml

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.

- **Part A (Annual and Quarterly Reports):** This report will be submitted annually or quarterly from the anniversary of Project effective date until a Notice of Project Complete Letter is issued.
- **Part B (Project Status Notifications):** Used to notify the State 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.

2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.

3. Electronic Report Submittal Instructions:

- Submit signed Report and Notification Cover Sheet and required information via email to: stateboard401@waterboards.ca.gov and cc: Brendan.Reed@waterboards.ca.gov.
- Include in the subject line of the email:
  Subject: ATTN: Brendan Reed; Reg. Measure ID: 412364_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 State 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. State 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:** This request by the Permittee to the State 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. State 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.

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 the Notice of Project Complete Letter issued by the State Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.

5. **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) 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.

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

Project:	I-40 Median Regrade and Recontour Project		
Permittee:	Caltrans, District 8		
Reg. Meas. ID:	412364	**Place ID:**	833963
Order Effective Date:	November 21, 2017		

Report Type Submitted

Part A – Project Reporting	
Report Type 1	☐ **Quarterly Report**
Report Type 2	☐ **Annual Report**
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**
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 Name [1]	**Affiliation and Job Title**
Signature	**Date**

[1]STATEMENT 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

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

Part A – Project Reporting

Report Type 1	Quarterly Report
Report Purpose	Notifies State Water Board staff of the Project status and environmental compliance activities on a quarterly basis.
When to Submit	On the 15th of every third month after ground disturbance commences until a Notice of Project Complete Letter is issued to the Permittee.
Report Contents	**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 (BMPs[13]). 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** **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. **d)** Describe each observed incidence, from c), in detail. List monitor name and organization, date, location, type of incident, corrective action taken (if any), status, and resolution.

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

Report Type 2	**Annual Report**
Report Purpose	Notify the State Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.
When to Submit	Annual reports shall be submitted each year on the anniversary of the effective date of the order. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.
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. **<u>During the Active Discharge Period</u>** • **Topic 1: Construction Summary** • **Topic 2: Mitigation for Temporary Impacts Status** • **Topic 3: Compensatory Mitigation for Permanent Impacts Status** **<u>During the Post-Discharge Monitoring Period</u>** • **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	**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: **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.
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.

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.** **Part A. Permittee Responsible** **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. **Part B. Mitigation Bank or In-Lieu Fee** **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 State 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	**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 State 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 State Water Board staff within thirty (30) days following completion of all Project construction activities.
Report Contents	**1.** Status of storm water Notice of Termination(s), if applicable. **2.** Status of post-construction storm water 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
Report Purpose	Notify State 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 State Water Board staff within thirty (30) days following completion of all Project activities.
Report Contents	**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.

	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 Storm Water 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 State 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 State Water Board staff.
Report Contents	**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 State 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 notification to State 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 State Water Board staff.

Report Type 8	In-Water Work and Diversions Water Quality Monitoring Report
Report Purpose	Notifies State 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 State 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 State 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	**1.** A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts: **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 BMP[14] maintenance plan requirements in this Order. **2.** A statement that the Permittee has informed the purchaser to submit a written request to the State 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 State 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.

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

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Making Conservation a California Way of Life.

June 21, 2017

Brendan Reed
State Water Resources Control Board
P.O. Box 100
Sacramento, CA 95812

08-SBd-40-R50-R75
Regrade Median Cross Slope
PN 0812000029 / EA 0R160

Dear Mr. Reed:

The California Department of Transportation (Caltrans) proposes to regrade median cross slopes of Interstate 40 (I-40) to improve safety and to provide a flatter median cross slope inside the 30 feet wide clear recovery zone. This will also include some modifications to the existing drainage system in the highway median. The planned median cross slope regrade and drainage modification (Project) is anticipated to consist of soil scraping/leveling, vegetation removal and fill work designed to meet current highway standards. The project occurs in the Lahontan and Colorado River Regions in the central Mojave Desert.

This Project is located between post miles (PM) 50.0-75.0, from the Crucero Road underpass in the town of Ludlow to the Badger Wash in unincorporated San Bernardino County, California. This east west freeway, is composed of two separate roadbeds, each has two traveling lanes. They are separated by a variable widths median.

Due to this Project, Caltrans will discharge:

- Permanent fill of 0.30 acres of non-wetland waters of the state (WSC) in the Lahontan Waterboard region, this includes permanent fill of 0.05 acres of non-wetland waters of the United States (WUS).
- Temporary fill of 0.22 acres non-wetlands waters that is considered both WSC and WUS in the Lahontan Waterboard region.
- Permanent fill of 0.81 acres of (WSC) in the Colorado Waterboard region.

Caltrans proposes to mitigate for impacts to each Waterboard region, at an off-site location/s yet to be determined, but at a fixed ratio. Due to previous agreements and coordination with the Lahontan Waterboard, Caltrans proposes a 3 to 1 ratio to offset impacts to WSC.

Accordingly the mitigation would be as follow:

- Within the Lahontan Waterboard region, Caltrans is disturbing 0.22 acres of waters temporarily and 0.3 acres of waters permanently. The total is 0.52 acres. Caltrans proposes to purchase a parcel/property with at <u>least 1.56 acres of waters.</u>

- Within the Colorado Waterboard region, since Caltrans is disturbing 0.81 acres of WSC permanently. Caltrans proposes to purchase a parcel/property with at least 2.43 acres of WSC.

Caltrans commits to providing parcels/properties in the Lahontan Waterboard region with at least 1.56 acres of WSC, this includes 0.81 acres of WUS. Caltrans commits to providing parcels/properties in the Colorado Waterboard region with at least 2.43 acres of WSC.

Caltrans is to submit a mitigation and monitoring plan (MMP) before any impacts to waters occur. The MMP will include (1) a description of the proposed mitigation to offset permanent impacts to waters, (2) a date when the land will be purchased and put under easement, not to exceed 24 months from the effective date of the certification, (3) a target date for the long term management plan (LTMP) submittal, (4) assurance of placing a conservation easement on the acquired property, to preserve the land in perpetuity, and, (5) dates when annual monitoring reports will be submitted to the Board. The LTMP can be created by Caltrans or adopted from another entity that will manage the land in perpetuity.

The current mitigation costs are estimated at $625,000 but Caltrans has committed to spend up to $2,000,000. This will include attorney fees, title fees, land acquisition costs, and long term management costs. Caltrans is providing this letter of financial assurance to the State Water Board that adequate funds have been programmed for this mitigation.

If you have any questions regarding the above noted financial commitment from Caltrans, please contact me at (909) 383-4077 or at rafih.achy@dot.ca.gov.

Sincerely,

Rafih Achy

Rafih Achy
Project Manager

c: Regional Water Quality Control Board