

Appendix B

Mitigation Monitoring and Reporting Program

LAKE GREGORY DAM REHABILITATION PROJECT

MITIGATION MONITORING AND REPORTING PROGRAM

1. Introduction

This document is the Mitigation Monitoring and Reporting Program (MMRP) for the Lake Gregory Dam Rehabilitation Project. An MMRP is required for the proposed Project because the EIR has identified significant adverse impacts, and measures have been identified to mitigate those impacts. This MMRP has been prepared pursuant to Section 21081.6 of the California Public Resources Code, which requires public agencies to “adopt a reporting and monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment.”

2. Mitigation Monitoring and Reporting Program

As the lead agency, the County of San Bernardino will be responsible for monitoring compliance with all mitigation measures. Different County departments are responsible for various aspects of the Project. The MMRP identifies the department with the responsibility for ensuring the measure is completed; however, it is expected that one or more departments will coordinate efforts to ensure compliance.

The MMRP is presented in tabular form on the following pages. The components of the MMRP are described briefly below.

- **Mitigation Measure:** The mitigation measures are taken from the Environmental Impact Report (EIR), in the same order they appear in the EIR.
- **Timing:** Identifies at which stage of the Project the mitigation must be completed.
- **Monitoring Responsibility:** Identifies the department within the County with responsibility for mitigation monitoring.
- **Verification (Date and Initials):** Provides a contact who reviewed the mitigation measure and the date the measure was determined complete.

LAKE GREGORY DAM REHABILITATION PROJECT

MITIGATION MONITORING AND REPORTING PROGRAM

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Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
3.2 Aesthetics			
<p>MM AES-1: Minimize Lighting Impacts. The County will incorporate the following measures into the Project design to minimize impacts from lighting during construction.</p> <ul style="list-style-type: none"> ▪ All lights will be aimed away from adjacent residences, and shall include glare shields and hoods. The lamp enclosures and poles shall also be painted to reduce reflection. ▪ Luminaires will be provided with filtering louvers and hoods. ▪ During installation, the luminaires will be aimed and corrected by a field crew to aim the lights away from areas where spill light is a problem. ▪ To minimize the light source and its image from a reflective surface, the contractor will ensure that the lighting is installed with shielding sufficient to reduce glare, thereby prohibiting substantial spillage of light onto adjacent properties. 	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	
3.3 Air Quality and Greenhouse Gas Emissions			
<p>MM AQ-1: Fugitive Dust Control. The following dust control measures shall be implemented during Project construction:</p> <ol style="list-style-type: none"> a. The travel on unpaved areas will be minimized and traffic speeds on unpaved areas/roads shall be limited to 10 miles per hour for all on-road and off-road equipment. b. All unpaved travel routes/roads shall be effectively stabilized using water at least three times daily. c. All material excavated or graded will be sufficiently watered, prior to excavation or grading, to prevent excessive dust. Watering will occur as needed with complete coverage of disturbed areas. Hauled materials shall be moist while being loaded into or out of dump trucks 	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>d. The soil storage piles, if not covered, shall be watered at an adequate frequency, or sprayed with an environmentally safe chemical stabilizer, to create stabilized surfaces that will minimize wind erosion emissions. Additionally, the soil storage piles shall be watered by hand or covered when wind events are declared.</p> <p>e. Construction activities that occur on unpaved surfaces shall be discontinued during windy conditions when those activities cause visible dust plumes that are transported beyond the site boundary or that remain visible within 100 feet of any occupied residence, school, or public recreation area.</p> <p>f. All haul trucks hauling soil, sand, and other loose materials to or from the Project site shall be covered (e.g., with tarps or other enclosures that would reduce fugitive dust emissions) or have at least 18 inches of freeboard.</p> <p>g. Drop heights should be minimized when loading into or unloading out of haul trucks, and gate seals should be tight on haul trucks.</p> <p>h. Disturbed areas shall be minimized, and after active construction activity has ceased, disturbed areas shall be stabilized using non-toxic soil stabilizers approved by the County for Project use and shall be revegetated as soon as possible after disturbance.</p> <p>i. Construction workers shall avoid driving commuting vehicles on unpaved roads in the Crestline area and shall park in paved areas.</p> <p>j. Other fugitive dust control measures shall be implemented as necessary so that feasible dust controls are equivalent to the most effective measures listed within South Coast Air Quality Management District Rule 403 Tables 1 and 2 for each type of dust causing source category (unpaved roads, storage piles, etc.).</p>			
<p>MM AQ-2: Off-road Equipment Emissions Control. Off-road equipment with engines larger than 50 horsepower shall have engines that meet or exceed USEPA/CARB Tier 3 Emissions Standards. Exceptions will be allowed only on a case by case basis for three specific situations: (1) an off-road equipment item that is a specialty, or unique, piece of equipment that cannot be found with a Tier 3 or better engine after a due diligence search; and/or (2) an off-road equipment item that will be used for a total of no more than 5 days; and/or (3) the off-road equipment is registered under CARB's Statewide Portable Equipment Registration Program. Additionally, all off-road equipment engines shall be maintained in good</p>	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
operating condition and in tune per manufacturers' specification, and equipment idling shall be limited to more than five minutes unless needed for proper operation.			
MM AQ-3: On-road Equipment Emissions Control. All construction on-road vehicle engines, with the exception of personal vehicles, shall be turned off when not in use. Engine idling shall not exceed five (5) minutes unless required for proper operation for personnel health and safety (e.g., shelter from the elements). All construction on-road vehicle engines, with the exception of personal vehicles, shall be maintained in good operating condition and in tune per manufacturers' specifications.	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	
3.4 Biological Resources			
<p>MM BIO-1: Implement Best Management Practices to Minimize Impacts to Jurisdictional Areas. The County will implement all mitigation measures and conditions contained within the Streambed Alteration Agreement obtained from CDFW for impacts to jurisdictional areas, as well as any requirements of the RWQCB or USACE, upon determination of jurisdiction and permit issuance by all three agencies. In addition, the following Best Management Practices will be implemented during all construction activity in or near drainages, waters, and wetlands:</p> <ol style="list-style-type: none"> 1. Vehicles and equipment will not operate in ponded or flowing water except as described in the Streambed Alteration Agreement. 2. The County will minimize construction activities and vegetation clearing within drainages to the extent feasible. 3. The County will prevent water containing mud, silt, or other pollutants from grading or other activities to enter drainages or be placed in locations that may be subjected to high storm flows. 4. Spoil sites will not be located within 30 feet from the boundaries of drainages or in locations that may be subjected to high storm flows, where spoils might be washed back into drainages. 5. Raw cement/concrete or washings thereof, asphalt, paint or other coating material, oil or other petroleum products, or any other substances that could be hazardous to vegetation or wildlife resources, resulting from Project-related 	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>activities, will not be allowed to contaminate soil or enter drainages.</p> <p>6. When construction activities are completed, any excess materials or debris will be removed from the work area. No rubbish will be deposited within 150 feet of the ordinary high water mark (OHWM) of any drainage during construction of the Project.</p> <p>7. No equipment maintenance will occur outside of developed areas within 150 feet of any streambed and no petroleum products or other pollutants from the equipment will be allowed to enter these areas or enter any off-site state-jurisdictional waters under any flow.</p> <p>8. The installation of bridges, culverts, or other structures will be such that water flow (velocity and low flow channel width) is not impaired. Bottoms of temporary culverts will be placed at or below stream channel grade.</p>			
<p>MM BIO-2: Pre-construction Surveys and Construction Monitoring. The County will assign one or more qualified biological monitors to the Project to monitor Project construction activities and conduct pre-construction surveys. Monitors will be responsible for ensuring that impacts to special-status species, native vegetation, wildlife habitat, and sensitive or unique biological resources are avoided to the extent possible. Monitors will also inform on-site construction personnel and County representatives of applicable Project mitigation measures, environmental commitments, and permit conditions, and any potential for infraction.</p> <p>A biological monitor will be present during initial site clearing activities (vegetation clearing, soil preparation, ground disturbance, and removal of rock reinforcement) and during installation of exclusion fencing (if any), and at appropriate intervals throughout construction to ensure compliance with regulatory terms and conditions. In addition, a monitor will conduct clearance surveys for sensitive plant or wildlife resources and active bird nests within or adjacent to the Project area within three (3) calendar days prior to each of these activities. If any sensitive resources are found, the biological monitor will take appropriate action as defined in all adopted mitigation measures, environmental commitments, and permit conditions.</p> <p>Monitoring and survey activities will be documented and, at the conclusion of Project construction activities, all monitoring reports and communications will be retained in Project files to allow review by permitting agencies if requested.</p>	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>MM BIO-3: Minimize Impacts to Sensitive Habitat and Compensate for Habitat Loss. The County will minimize impacts and permanent loss of all native vegetation, including white alder groves and arroyo willow thickets, and native vegetation that provides habitat for special-status plants and wildlife, at construction sites by flagging areas to be avoided, as feasible.</p> <p>On-site Restoration. If sensitive vegetation or habitat that may support special-status plants or animals is removed for temporary Project impacts (e.g., temporary equipment staging areas), the County will prepare and implement an Ecological Restoration Plan, to establish native vegetation cover on all temporary impact areas within five (5) years of initial disturbance. The Ecological Restoration Plan's goal will be to restore native vegetation that will ultimately replace habitat values that are damaged or degraded by the Project. The plan will include: (a) quantitative description of habitat to be removed, including vegetation cover (by tree, shrub, and herb components), native species richness, and density of dominant species; (b) soil or substrate preparation measures, such as recontouring, decompacting, or imprinting; (c) provisions for soil or substrate salvage and storage; (d) plant material collection and acquisition guidelines, including guidelines for salvaging, storing, and handling seed, cuttings, or rooted plants from the Project site, as well as obtaining materials from commercial nurseries or collecting from outside the Project area; (e) time of year that the planting or seeding will occur and the methodology of the planting; (f) an irrigation plan or alternate measures to ensure adequate water; (g) quantitative success criteria, to reflect yearly progress and final completion; (h) a detailed monitoring program to evaluate conformance with the success criteria; and (i) contingency measures to remediate the restoration site if success criteria are not met.</p> <p>In addition to the dam construction site, the Ecological Restoration Plan will apply to borrow sites where any native habitat is affected. Due to applicability of the California Surface Mining and Reclamation Act to the borrow sites, the County will include the Ecological Restoration Plan in its Mining and Reclamation Plan, and identify the appropriate bonding amount, for review by the County Land Use Service Department and California Office of Mine Reclamation.</p> <p>Compensation. If sensitive vegetation or habitat that may support special-status species would be removed for long-term or permanent Project impacts (i.e., native vegetation that will ultimately replace lost habitat values cannot be established within five (5) years from initial disturbance), the County will provide for long-term</p>	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	

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<p>habitat replacement by protecting compensation land that will provide habitat value equivalent or greater than habitat removed for the Project. Compensation may include off-site habitat restoration or other habitat improvements as needed, to replace habitat components affected by the Project. In addition, the County will provide for long-term conservation management of the compensation land. The County will prepare a Mitigation Plan, identifying the proposed compensation lands, proposed habitat improvements and long-term management, and specific legal mechanism for long-term preservation (e.g., holder of conservation easement or fee title). The Compensation Plan may be subject to review and approval by USACE, RWQCB, or CDFW according to each agency's applicable permit conditions (if any). The Compensation Plan will be implemented in full.</p>			
<p>MM BIO-4: Prevent Invasive Weed Introduction. Precautions will be taken to prevent the introduction of any invasive weeds. Construction equipment will be cleaned of mud or other potential sources of weed seeds before it arrives at the Project sites. Any reclamation or erosion control seeding will consist of native species, native seed mix, or other ecologically appropriate, non-invasive plants. Only weed-free straw or mulch will be used.</p>	<p>Ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	
<p>MM BIO-5: Nest and Den Avoidance. If pre-construction surveys identify an active bird nest or other active denning or nesting wildlife within or adjacent to Project disturbance areas, the County will reschedule vegetation removal activities and delineate a no-disturbance buffer area around the nest or den site. The extent of the buffer area will be determined by the biological monitor, based on the nature of proposed Project activities, the animal's tolerance to disturbance (if known), and conservation status of the affected species.</p> <p>Habitat removal taking place outside the nesting season for birds will not necessitate pre-construction nest surveys. Nesting season is generally February through August, but can vary depending on environmental factors. The biological monitor will determine if nesting activity is occurring either prior to or after the February-through-August period and nesting surveys will be performed accordingly.</p> <p>Breeding season for the San Bernardino flying squirrel is not well known and reproduction can potentially occur year-round (Brylski, 1998). Therefore, pre-construction surveys for denning or nesting mammals and reptiles, and implementation of disturbance-free buffers as needed, will be conducted year-</p>	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
round.			
<p>MM BIO-6: Avoid Wildlife Hazards and Entrapment. The County will ensure that all potential wildlife pitfalls (trenches, bores, and other excavations) have been backfilled or securely covered at the end of each workday. If backfilling or covering is not feasible, these potential pitfalls will be sloped at a 3:1 ratio at the ends as wildlife escape ramps. Project workers or construction monitors will inspect all potential pitfalls daily.</p> <p>All pipes or other construction materials or supplies will be covered or capped in storage or laydown areas. No pipes or tubing will be left open either temporarily or permanently, except during use or installation. Any construction pipe, culvert, or other hollow materials will be inspected for wildlife before it is moved, buried, or capped. Should wildlife become trapped in excavations, materials, or other Project-related situation, the biological monitor will remove it (if feasible and safe) or immediately contact CDFW. Any wildlife encountered will be moved out of harm's way by the biological monitor, or will be allowed to leave the area unharmed.</p> <p>Project-related vehicle access, construction activities, and equipment storage will be restricted to established roads, designated access roads, construction rights-of-way, and designated construction, storage, staging, and parking areas. Off-road traffic outside of these designated areas will be prohibited.</p>	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	
<p>MM BIO-7: Avoid Nocturnal Wildlife. All Project-related construction activities will be carried out during daylight hours to minimize adverse effects to foraging or other activities for California spotted owl, San Bernardino flying squirrel, southern rubber boa, special-status bats, and other nocturnal wildlife.</p>	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	
<p>MM BIO-8: Manage Project Trash. Trash, especially food items or packaging, will be kept inside vehicles or in self-closing containers and removed from work areas daily.</p>	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	
<p>MM BIO-9: Minimization and Avoidance Measures for Southern Rubber Boa. The County will implement the following measures to minimize or avoid potential impacts to southern rubber boa:</p> <ul style="list-style-type: none"> ■ A qualified biologist will conduct clearance surveys for southern rubber boa on 	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>the face of the dam immediately prior to any vegetation or rock removal, and at each borrow site location immediately prior to initial ground disturbance.</p> <ul style="list-style-type: none"> ■ Exclusion fencing appropriate for snakes will be installed around all suitable habitat for southern rubber boa within the Project disturbance area footprint to ensure no southern rubber boas enter the work site. A biological monitor will be on site during fence installation and will conduct clearance surveys of the fence locations prior to installation. The fencing will remain in place for the duration of construction and the biological monitor will periodically inspect the fence for damage. Any damage found will be reported to the County or the County's construction contractor for immediate repair. ■ A qualified and permitted biologist will monitor initial vegetation removal and site preparation at the face of the dam and the borrow sites, including removal of rock reinforcement from the face of the dam, and will immediately halt work if a southern rubber boa is discovered in the work area. The biologist will move the animal out of harm's way, in accordance with the terms and conditions of the incidental take permit, and will notify the County and CDFW within one working day. ■ In the event that a southern rubber boa is found on the Project site, the qualified and permitted biologist will immediately halt construction work and will relocate the animal off the Project site in accordance with the terms and conditions of the incidental take permit. Details regarding the sighting will be recorded and provided to the County and CDFW within 24 hours. Construction activities may resume when the animal is out of harm's way and the biologist has cleared the work area. ■ If a dead or injured southern rubber boa is found on the Project site, the biologist will immediately contact CDFW for guidance. 			
3.5 Cultural and Paleontological Resources			
<p>MM CUL-1: Incidental Discovery of Historical Resources or Archaeological Resources. In the event that unanticipated historical resources or archaeological deposits are encountered during ground-disturbing or other construction activities, work must cease within 200 feet of the discovery and a County Cultural Resources Specialist notified. Work may continue only after the deposits are recorded and evaluated by a cultural resources specialist who meets or exceeds the Secretary of the Interior Professional Qualification Standards in archaeology, and any</p>	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>necessary resource-specific mitigation is implemented. Such mitigation could include data recovery excavation, building documentation, etc.</p> <p>The structure and features associated with the historic orchard within the Thousand Pine stockpile shall be avoided and, if they cannot be, further evaluation efforts shall be undertaken to determine the eligibility of the resource as a whole.</p>			
<p>MM CUL-2: Incidental Discovery of Human Remains. In accordance with Section 7050.5 of the California Health and Safety Code and PRC Section 5097.98, if human remains are found, the San Bernardino County Coroner shall be notified within 24 hours of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie potential remains shall occur until the County Coroner has determined, within two working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the County Coroner determines that the remains do not require an assessment of cause of death and that the remains are or are believed to be Native American, the Coroner shall notify the NAHC within 24 hours. In accordance with Section 5097.98 of the California Public Resources Code, the NAHC must immediately notify those persons it believes to be the MLD of the deceased Native American. The descendants shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the County, the disposition of the human remains.</p>	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	
<p>MM PALEO-1: Incidental Discovery of Paleontological or Geological Resources. If any unanticipated paleontological resources or unique geological resources are encountered during any ground-disturbing or any other construction activities, work should be halted within 200 feet (or as otherwise determined by a qualified paleontologist) of the find until the specimen(s) can be recovered, examined, identified, and recorded by a qualified paleontologist; and, if determined necessary, be prepared for permanent curation at an accredited museum repository.</p>	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	
3.7 Hazards and Hazardous Materials			
<p>MM HAZ-1: Licensed Herbicide Applicator. Prior to the issuance of grading or building permits, if herbicides are utilized, the contractor or personnel applying herbicides must have all the appropriate State and local herbicide applicator</p>	Prior to the issuance of grading or building permits and ongoing during dam	County of San Bernardino Special Districts Department	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>licenses and comply with all State and local regulations regarding herbicide use. Herbicides shall be mixed and applied in conformance with the product manufacturer's directions. The herbicide applicator shall be equipped with splash protection clothing and gear, chemical resistant gloves, chemical spill/splash wash supplies, and material safety data sheets for all hazardous materials to be used. To minimize harm to wildlife, vegetation, and waterbodies, herbicides shall not be applied directly to wildlife, products identified as non-toxic to birds and small mammals shall be used if nests or dens are observed, and herbicides shall not be applied within 50 feet of any surface waterbody when water is present. Herbicides shall not be applied if it is raining at the site, rain is imminent, or the target area has puddles or standing water. Herbicides shall not be applied when wind velocity exceeds ten (10) miles per hour. If spray is observed to be drifting to a non-target location, spraying shall be discontinued until conditions causing the drift have abated.</p>	<p>rehabilitation activities</p>		
<p>MM HAZ-2: Response to Contamination. If, during grading or excavation work, the contractor observes visual or olfactory evidence of contamination or if soil contamination is otherwise suspected, work near the excavation site shall be terminated, the work area cordoned off, and appropriate health and safety procedures implemented for the location by the contractor's Health & Safety Officer. Samples shall be collected by an Occupational Safety and Health Administration-trained individual with a minimum of 40 hours of hazardous material site worker training. Laboratory data from suspected contaminated material shall be reviewed by the contractor's Health and Safety Officer. If the sample testing determines that contamination is not present, work may proceed at the site; however, if contamination is detected above regulatory limits, the San Bernardino County Department of Public Health shall be notified. All actions related to encountering unanticipated hazardous materials at the site shall be documented and submitted to the San Bernardino County Department of Public Health.</p>	<p>Ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	
<p>MM HAZ-3: Siting of Hazardous Materials. Prior to the issuance of grading or building permits, the San Bernardino County Special Districts Department shall provide evidence that all fueling, hazardous materials storage areas, and operation and maintenance activities involving hazardous materials will be sited at least 100 feet away from blue-line drainages, as identified on U.S. Geological Survey topography maps and wetlands.</p>	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>MM HAZ-4: Emergency Response Liaison. Prior to the issuance of grading or building permits, the San Bernardino County Special Districts Department shall appoint an Emergency Response Liaison to coordinate the reduction of construction-related traffic for the duration of any emergency at or nearby the proposed Project site. The San Bernardino County Fire Department, San Bernardino County Sheriff's Department, the San Bernardino County Department of Public Works, and the California Highway Patrol shall be provided with the construction schedule and the on-site contact information for the Liaison prior to construction. The Liaison shall be immediately reachable at all times during proposed Project construction. The Liaison shall have radio contact with Project construction vehicles at all times to coordinate traffic reduction measures. In addition, the Liaison shall coordinate with the San Bernardino County Fire Department, the San Bernardino County Sheriff's Department, the San Bernardino County Department of Public Works, and the California Highway Patrol to establish emergency procedures for access to the proposed Project site in the event of emergency.</p>	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	
3.8 Hydrology and Water Quality			
<p>MM HW-1: Develop a Stormwater and Erosion Control Plan. The County will develop a stormwater and erosion-control plan in compliance with and conformance to the objectives and water quality standards in the Basin Plan to ensure no construction-related, or post-construction Project-related adverse impact to the quality of State waters. The stormwater and erosion-control plan will take into account seasonal variations in hydrologic conditions and include appropriate, site-specific pollution-control BMPs such as, but not limited to:</p> <ol style="list-style-type: none"> 1. Identification and, if possible, avoidance of underground utilities in construction; 2. Use of turbidity curtains to prevent sediment migration to State waters; 3. Halting of construction during periods of inclement weather or high winds; 4. Water quality monitoring during construction, and monitoring of construction vehicles and equipment for leaks, with implementation of corrective actions where a threat to water quality is found; 5. Control of debris, cement, concrete, oil, and petroleum products such that 	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>these are prevented from washing into surface waters;</p> <ol style="list-style-type: none"> 6. Lining of temporary diversion channels with filter fabric or plastic to prevent erosion and sediment transport; 7. On-site emergency spill control equipment under the responsibility of trained construction personnel; and 8. Recontouring and revegetation of areas of temporary impact. 9. The duration and timing of the Project shall be accounted for, as construction would occur through seasonal changes. The best BMPs for each season shall be identified and implemented (dry versus wet seasons). <p>The stormwater and erosion-control plan will specifically address potential erosion-related impacts to water quality from diversions or reservoir draw-down as follows:</p> <ol style="list-style-type: none"> 1. The discharge point for temporary dewatering of the reservoir for construction will be protected from erosion by the installation of a temporary riprap or similar structure designed to dissipate water energy and prevent localized erosion of the channel bed and banks. 2. Any diversion of Houston Creek flows for the purpose of construction will be protected from erosion by enclosure in a pipe, with outlet protected against erosion as described above, or otherwise protected against erosion by temporary non-erodible channel liner. 3. Measures to ensure discharges do not cause any undue flooding, sedimentation, or erosion downstream of the dam. Contingencies shall be included that consider rain and snow melt. 			
3.10 Noise			
<p>MM NOI-1: Implement Best Management Practices During Construction. During construction, the County and its contractor shall implement Best Management Practices (BMPs) for reducing construction noise. These measures should include, but not be limited to:</p> <ul style="list-style-type: none"> ■ All noise-producing construction equipment and vehicles using internal combustion engines shall be equipped with mufflers, air-inlet silencers where appropriate, and any other shrouds, shields, or other noise-reducing features in good operating condition and appropriate for the equipment that meet or exceed 	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>original factory specifications. Mobile or fixed “package” equipment (e.g., arc-welder, air compressors) shall be equipped with shrouds and noise control features that are readily available for that type of equipment.</p> <ul style="list-style-type: none"> ■ Limit unnecessary idling of construction equipment. ■ Electric-powered equipment shall be used instead of pneumatic or internal combustion power equipment, where feasible. ■ The use of noise-producing signals, including horns, whistles, alarms, and bells, shall be limited to safety warning purposes only. ■ No Project-related communication or music systems shall be audible at any adjacent receptor. 			
3.11 Utilities			
<p>MM U-1: Recycle Solid Waste. During construction activities, the San Bernardino County Special Districts Department shall reduce construction waste transported to landfills by recycling solid waste construction materials to the extent feasible.</p>	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	
<p>MM U-2: Designate a Recyclable Materials Storage Area during Construction. During construction activities, the Building Inspector shall verify that the construction contractor has provided a fenced storage area for recyclable materials that is clearly identified for recycling. This area shall be maintained on the site during construction. A site plan showing the recycling storage area shall be submitted to the San Bernardino County Special Districts Department and County of San Bernardino Solid Waste Management Division prior to the issuance of any grading or building permit for the site.</p>	Ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department and Solid Waste Management Division	
<p>MM U-3: Notify the Public of Utility Service Interruptions. Prior to Project construction in which a utility service interruption is known to be unavoidable, the San Bernardino County Special Districts Department (County) shall notify members of the public, the jurisdiction, and the service providers that would be affected by the planned outage by mail. The County shall also publish notice in a newspaper of local jurisdiction. The notice shall specify the estimated duration of the planned outage, and shall be published no less than seven days prior to the outage.</p>	Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities	County of San Bernardino Special Districts Department	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
3.13 Traffic and Transportation			
<p>MM TR-1: Construction Traffic Management Plan. A construction traffic management plan shall be prepared that will include but not be limited to such measures as designated haul routes for trucks, travel time restrictions for trucks to avoid peak periods on selected roadways (ensuring truck trips to quarries in the San Bernardino valley area avoid peak hour travel), designated site access locations, driveway turning restrictions, temporary traffic controls and/or flaggers, and designated parking/staging locations for workers and equipment. The plan shall include requirement for at-least daily street sweeping for spills that may occur. This plan shall be subject to review, approval, and inspection by the County of San Bernardino Department of Public Works and/or Caltrans (for State highway segments).</p>	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department and Department of Public Works</p>	
<p>MM TR-2: Traffic Control Plan for Lake Drive and Detours. A construction area traffic control plan and/or detour plan shall be prepared for the closure, partial closure, and/or relocation of Lake Drive on the dam structure, as well as all detour routes. The plan would include, but not be limited to such features as warning signs, detour signs, lights, barricades, cones/delineators, concrete barriers, temporary traffic signals, flaggers, and accommodations for bicycle and pedestrian circulation and shall follow Part 6 of the California Manual on Uniform Traffic Control Devices (latest edition). This plan or plans shall be subject to review, approval, and inspection by the County of San Bernardino Department of Public Works.</p>	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	
<p>MM TR-3: Notification to Property Owners and Tenants. The Project proponent and/or its contractor shall provide a minimum of 48-hours advance written notification to affected property owners and tenants along the haul routes to inform them about the scheduling and duration of the trucking activities and coordinate any special access or circulation concerns.</p>	<p>48-hours prior to access disturbance and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	
<p>MM TR-4: Coordinate with Emergency Service Providers. The Project proponent and/or its contractor shall coordinate with emergency service providers (police, fire, and ambulance/paramedic agencies) prior to construction to provide information regarding haul routes, construction schedules, lane closures, etc. and to develop a plan to maintain or accommodate essential emergency access routes.</p>	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	

Mitigation Measure	Timing	Monitoring Responsibility	Verification (Date and Initials)
<p>MM TR-5: Pavement Rehabilitation. The Project proponent and/or its contractor shall conduct a before-and-after evaluation of pavement conditions along the earthen material haul routes to document any damage caused by the haul truck activities. The documentation shall include written descriptions and photographs of pre-Project and post-Project pavement conditions. Any pavement or other infrastructure damage caused by the haul trucks shall be repaired/rehabilitated to pre-Project conditions or better. If required by the County Transportation Permits Division, the County lead department for the Lake Gregory Dam Rehabilitation Project shall enter into a Maintenance Agreement with the Department of Public Works to ensure pavement rehabilitation to pre-construction condition. This measure shall also be subject to review, approval, and inspection by Caltrans (for State highway segments).</p>	<p>Prior to the issuance of grading or building permits and upon completion of dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department and Department of Public Works</p>	
<p>MM TR-6: Coordinate with Mountain Transit and School Districts. The Project proponent shall coordinate with Mountain Transit and School Districts (which provide bus service along affected roadways) prior to construction to provide information regarding haul routes, construction schedules, detours, lane closures, etc. and to develop a plan to maintain or accommodate bus service and access routes.</p>	<p>Prior to the issuance of grading or building permits and ongoing during dam rehabilitation activities</p>	<p>County of San Bernardino Special Districts Department</p>	