

MITIGATION MONITORING AND REPORTING PROGRAM

This Mitigation and Monitoring Reporting Program (MMRP) has been formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) prepared for the proposed Argonaut Mine Tailings Feasibility Study/Remedial Action Plan Project (project). The purpose of the MMRP is to ensure the implementation of avoidance and minimization measures and mitigation measures identified as part of the environmental review for the project. The MMRP includes the following information:

- A list of avoidance and minimization measures and mitigation measures;
- The timing for implementation of the measure;
- The party responsible for implementing the measure;
- The agency department responsible for monitoring the implementation; and
- The monitoring action and frequency.

The Department of Toxic Substances Control (DTSC) must adopt a MMRP or an equally effective program, if it approves the proposed project with the mitigation measures included in the IS/MND. Public Resources Code, Section 21081.6(a) requires an agency to adopt a program for reporting or monitoring mitigation measures that were adopted or made conditions of project approval.

Table 1: Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Actions	Timing Requirements	Monitoring/Reporting Responsibility	Verified By and Date
AESTHETICS				
<i>There are no mitigation measures for Aesthetics.</i>				
AGRICULTURAL AND FOREST RESOURCES				
<i>There are no mitigation measures for Agricultural and Forest Resources.</i>				
AIR QUALITY				
<i>There are no mitigation measures for Air Quality.</i>				
BIOLOGICAL RESOURCES				
<p>MM BIO-1: <i>Prior to any ground disturbing activities:</i></p> <ul style="list-style-type: none"> • <i>Schedule project work, including vegetation removal and ground disturbing activities, to occur outside of the nesting season for migratory birds (February 1 through August 31).</i> • <i>If removal of trees and vegetation will occur during the nesting season for migratory birds, (February 1 through August 31), a qualified biologist should conduct surveys for nesting raptors and other nesting birds no more than 14 days before the start of vegetation removal. Typically, these nest surveys need to extend 1/2-mile beyond the boundaries of the project impact area for nesting raptors, and 500 feet for other nesting birds. If active bird nests are detected during the surveys, a non-disturbance protective buffer should be established around the nest (typically 1/2-mile for raptors, 500 feet for other nesting migratory birds). A smaller buffer may be established in consultation with CDFW if the qualified biologist determines that construction closer to the nest would not adversely affect nesting activities.</i> • <i>Minimize tree trimming and restrict vegetation removal to areas outside of oak woodland vegetation communities and limit vegetation trimming to smaller (under 6" diameter at breast height [DBH]), shrub-like trees that are not likely to support roosting bats or North American porcupine. If removal of trees larger than 6" DBH cannot be avoided during construction, a qualified biologist experienced with bat species should conduct a survey to search for evidence of bat roosts in trees to be removed. Bat roost surveys will be conducted at least 6 months before proposed tree removal. If evidence of roosting bats is found during the pre-construction survey, the qualified biologist will provide guidance on the appropriate time to conduct tree removal (typically during the</i> 	<p><i>Construction plans shall include requirements of construction activities and of qualified biologist to limit impacts to biological resources.</i></p>	<p><i>Prior to construction activities.</i></p>	<p><i>DTSC, Contractor</i></p>	<p><i>Verified by:</i></p> <p><i>Date:</i></p>

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<p><i>fall, September– October 31) and will be present during tree removal to avoid impacts on roosting bats.</i></p> <ul style="list-style-type: none"> <i>• A qualified biologist with experience conducting western pond turtle surveys should conduct two preconstruction surveys for adult western pond turtle one week and within 48 hours before vegetation removal and initial ground-disturbing activities in or adjacent to suitable aquatic habitat. The survey area will include the marsh habitat present in the BSA (Exhibit 3) and grassland and ruderal habitat within 300 feet of the marsh. If a western pond turtle is found during the pre- construction surveys, a biological monitor will be present during construction activities occurring in the marsh or adjacent habitats within 300 feet of the marsh to provide guidance on avoiding impacts to western pond turtles during construction.</i> <i>• A wetland delineation will be conducted to identify any aquatic features on site that are potentially jurisdictional under Section 404 and 401 of the Clean Water Act or under the jurisdiction of CDFW. If the proposed project will result in impacts on jurisdictional waters of the U.S. or the State, the applicant should secure the appropriate permits from the U.S. Army Corps of Engineers, the State Water Resource Control Board and CDFW.</i> <i>• Before any work occurs in the project footprint, including grading or vegetation removal, a qualified wildlife biologist will provide Worker Environmental Awareness Program training for all construction personnel. The training will include a description of the avoidance and minimization measures that will be implemented during construction to protect sensitive biological resources. If new construction personnel are added to the project, the contractor will provide them with the mandatory training before they start work.</i> <i>• At the end of each workday, an escape ramp shall be placed at each end of any open excavation to allow wildlife that may become trapped to climb out overnight. The ramp shall be constructed of either dirt fill or wood planking or other suitable material that is placed at an angle no greater than thirty (30) degrees. At the beginning of each workday a qualified biologist or construction monitor shall survey the project area to ensure wildlife incidentally trapped due to project activities are allowed to escape prior to project commencement.</i> <i>• A CDFW qualified biologist shall conduct surveys in an effort to determine if trees in the immediate vicinity of the project disturbance area contain a maternity colony of bats. Surveys shall be conducted at a time when a maternity roost would be active (typically between April 1 - August 31), as determined by the</i> 				

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<p><i>qualified biologist. At a minimum, surveys shall consist of two evening emergence surveys or one evening and one dawn survey using acoustic recording equipment and night vision technology. If roosting colonial bats are determined to be absent, no further action shall be required.</i></p> <p><i>If an active maternity colony is found, measures intended to minimize construction disturbance and the potential for roost abandonment and bat mortality shall be implemented. Such measures could include:</i></p> <ol style="list-style-type: none"> <i>1. Biological monitoring to assess levels of disturbance and colony response,</i> <i>2. Acoustic monitoring to assess frequencies and decibels of sounds emitted by construction activities,</i> <i>3. Installation of acoustic buffers between construction activities and any active maternity colonies, and/or</i> <i>4. Delay of project activities until pups are volant and can fly away from construction disturbance, as determined by the qualified biologist.</i> 				
CULTURAL RESOURCES				
<i>There are no mitigation measures for Cultural Resources.</i>				
ENERGY				
<i>There are no mitigation measures related to Energy.</i>				
GEOLOGY AND SOILS				
<i>There are no mitigation measures related to Geology and Soils.</i>				
GREENHOUSE GAS EMISSIONS				
<i>There are no mitigation measures related to Greenhouse Gas Emissions.</i>				
HAZARDS AND HAZARDOUS MATERIALS				
<i>There are no mitigation measures related to Hazards and Hazardous Materials.</i>				
HYDROLOGY AND WATER QUALITY				
<i>There are no mitigation measures related to Hydrology and Water Quality.</i>				
LAND USE AND PLANNING				
<i>There are no mitigation measures related to Land Use and Planning.</i>				
MINERAL RESOURCES				

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<i>There are no mitigation measures related to Mineral Resources.</i>				
NOISE				
<i>There are no mitigation measures related to Noise.</i>				
POPULATION AND HOUSING				
<i>There are no mitigation measures related to Population and Housing.</i>				
PUBLIC SERVICES				
<i>There are no mitigation measures related to Public Services.</i>				
RECREATION				
<i>There are no mitigation measures related to Recreation.</i>				
TRANSPORTATION				
<i>There are no mitigation measures related to Transportation.</i>				
TRIBAL CULTURAL RESOURCES				
<i>There are no mitigation measures related to Tribal Cultural Resources.</i>				
UTILITIES AND SERVICE SYSTEMS				
<i>There are no mitigation measures related to Utilities and Service Systems.</i>				
WILDFIRE				
<i>There are no mitigation measures related to Wildfire.</i>				