

Appendix D

Summary of Project Mitigation Measures

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Blackwood Creek Restoration Project**

Mitigation Measure	Summary of Mitigation Measure	Monitoring Responsibility	Timing	Resulting Level of Significance
3.2.1 Water Resources and Quality				
MM 3.2.1.3a	Proper permits would be filed with resource agencies including Corps GP 16 401 water quality certification, LRWQCB SEZ and Floodplain exemption, and DFG 1600 Agreement, and NPDES Permit. All permit conditions would be complied with during the period of construction	CTC and the Construction Manager.	Prior to Project implementation and throughout the period of construction.	Less than Significant
MM 3.2.1.3b	BMPs, such as silt fencing on vulnerable slopes, water filled isolation dams and diversion structures, construction fencing, straw wattles or coir logs, and filter fabric would be implemented to minimize soil erosion in the case of storm events during construction.	Construction Manager	Throughout the period of construction.	Less than Significant
MM 3.2.1.3c	Construction vehicles and equipment will be limited to restricted areas and will be serviced in specific upland areas or stabilized areas to prevent accidental spills of fluids, oils and lubricants into surface water. This area will consist of a clean gravel pad with an impervious liner underneath. Construction equipment shall be cleaned to remove any loose dirt or sediment prior to exiting the site. Washing will take place in an area stabilized with crushed stone and drain to an approved sediment trap or basin.	Construction Manager	Throughout the period of construction.	Less than Significant
MM 3.2.1.3d	The project site will be winterized according to TRPA and LRWQCB requirements at the end of each construction season. The following winterization measures would be adhered to: maintain all temporary erosion control including filter fencing and coir logs; stabilize all disturbed areas with heavy mulch and tackifier; clean up and remove all construction site waste including trash, debris and spoil piles; and, cover all soil stockpiles/berms with a natural fiber blanket and secure stockpiles/berms with filter fencing.	Construction Manager	Prior to October 15 during each year of construction.	Less than Significant
MM 3.2.1.3e	Native vegetation and mulch would be applied to all disturbed areas. Where appropriate, native plants, rock, wood and soils salvaged from project excavation would be used in revegetation and restoration. Revegetation would be conducted as soon as practicable to stabilize the ground after construction is	Construction Manager	As soon as practicable after the completion of earthwork in an area.	Less than Significant

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	completed in an area. Irrigation systems would be installed and maintained to ensure success of the revegetation.			
MM 3.2.1.3f	A Dewatering Plan will be developed as a part of the SWPPP to detail the procedures that will be followed for construction dewatering for both in-channel dewatering activities as well as dewatering associated with groundwater that is encountered during construction.	CTC and the Construction Manager	Prior to Project implementation and maintained throughout the period of in-channel construction.	Less than Significant
MM 3.2.1.3g	Spills shall be reported to the LRWQCB and procedures and response protocols for immediate cleanup outlined in the SWPPP shall be implemented. These procedures shall include placement of sandbags, gravel, boards or other TRPA approved methods to prevent spilled material from entering any drainage facilities or areas.	CTC and the Construction Manager	Throughout the period of construction.	Less than Significant
3.2.2 Vegetation and Wildlife				
MM 3.2.2.3a	During construction, removal of mature trees would be avoided when possible, and other trees in the work area would be protected with fencing. Only mature trees selected by qualified foresters would be removed. Wherever feasible, native riparian vegetation would be preserved or salvaged for replanting within the new Blackwood Creek corridor.	Construction Manager	Throughout the period of construction.	Less than Significant
MM 3.2.2.3b	Large woody material from unsalvageable riparian vegetation would be used as aquatic habitat features or cuttings for stake plantings. Willow clumps would be salvaged for stake planting and for live fascines for bank stabilization.	Construction Manager	Throughout the period of construction.	Less than Significant
MM 3.2.2.3c	BMPs would be implemented to minimize any effects of traffic or equipment on soil or vegetation.	Construction Manager	Throughout the period of construction.	Less than Significant
MM 3.2.2.3d	Upon the completion of construction, all disturbed and excavated areas, including temporary access roads, shall be revegetated or stabilized where needed. Salvaged willows and other riparian vegetation will be propagated and used where possible. Additional seed or vegetation will be added where needed for stabilization measures and for wildlife habitat enhancement. Seed used in revegetation shall be certified weed free.	Construction Manager	As soon as practicable after the completion of earthwork in an area.	Less than Significant

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MM 3.2.2.3e	Where feasible, management activities that require the removal of trees and shrubs should be conducted outside the avian nesting season (April 1 through August 15). If vegetation removal during the avian nesting season is required, surveys would be conducted by a qualified biologist prior to vegetation removal. The project proponent shall retain a qualified biologist to conduct a focused survey for active nest sites of migratory birds in accordance with the Migratory Bird Treaty Act (MBTA) within a 1/8 mile radius of the project area prior to (i.e. within fifteen days) the onset of construction activities initiated during the nesting season. If active nests are located during the preconstruction surveys, the biologist shall consult with CDFG and USFWS as required to determine the appropriate buffer around the nest. In addition, all trash created during construction would be properly contained in wildlife-proof containers and removed at the end of each day.	CTC and the Construction Manager	Throughout the period of construction.	Less than Significant
3.2.3 Special Status Species				
MM 3.2.3.3a	Any sighting of listed species, sensitive species, or location of nest or dens of these species will be reported and a qualified biologist would survey and delineate a protective buffer and consultation would be initiated with the USFWS pursuant to the ESA. If special status wildlife species with agency-mandated protected activity centers and limited operating periods (LOP) are found breeding in the project area, a protected activity center will be delineated by a qualified biologist and a LOP will be implemented.	CTC and the Construction Manager	Throughout the period of construction.	Less than Significant
3.2.4 Fisheries				
MM 3.2.4.3a	Before construction activities commence within lower Blackwood Creek (i.e., before creek diversion and dewatering), a qualified biologist would conduct fish capture and translocation activities within the construction impact area, and areas approximately 100 feet upstream and downstream of that area. Block nets with 1/8-inch mesh would be placed at the upstream and downstream extent of the fish removal area to	CTC and the Construction Manager	Prior to dewatering of Blackwood Creek	Less than Significant

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	prevent fish from moving into the area during fish removal and subsequent construction activities. All captured fish species would be immediately released to suitable habitat upstream of the construction work area.			
3.2.5 Traffic				
MM 3.2.5.3a	A traffic control plan would be prepared before initiation of construction. The traffic control plan would address project construction traffic and parking, and emergency access. At a minimum, the traffic control plan shall address truck haul routes, truck turning movements at the project staging areas and spurs, traffic control signage, bicycle and pedestrian traffic, and monitoring of the in-place traffic control plan to implement traffic control revisions, if necessary.	CTC	Prior to Project implementation	Less than Significant
3.2.6 Air Quality				
MM 3.2.6.3a	The CTC will submit to Placer County and receive approval for a fugitive dust control permit prior to breaking ground. Dust control measures included within the Placer County, Air Quality Management District the Fugitive Dust Control Permit would followed throughout the period of construction.	CTC is responsible for obtaining a dust control permit. The Construction Manager is responsible for complying with conditions of the permit.	The permit would be obtained prior to project implementation. Compliance would be achieved through project construction.	Less than Significant
3.2.7 Cultural Resources				
MM 3.2.7.3a	If buried or previously identified resources are discovered during project activities, all work in the vicinity of the find would cease, and the California State Historic Preservation Officer (SHPO) would be contacted for additional consultation per 36 CFR 13(b), Discoveries Without Prior Planning.	Construction Manager	Throughout the period of construction.	Less than Significant
3.2.8 Flooding				
MM 3.2.8.3b	The Conservancy shall submit a final engineering report prepared by a qualified professional to TRPA, Placer County, and LRWQCB for review and approval. The report shall include an updated analysis of future flooding conditions to evaluate any changes related to the upstream USFS restoration activities and the project's final design. The report shall	CTC	Prior to project implementation	Less than Significant

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	demonstrate that the project will not increase flood hazards to persons or property relative to existing conditions.			