Mitigation, Monitoring and Reporting Plan for Wood Creek Enhancement Project, Phase II

Mitigation	Implementing Responsibility	Monitoring Responsibility	Reporting Responsibility	Timing
MITIGATION BIO 4A: Special Status Plant Species. A qualified botanist will locate and flag all populations of plant species of concern in the project area prior to construction. If it is possible populations of plant species of concern will not be disturbed during excavation or grading. If populations of these plants cannot be avoided during excavation or grading they will be removed as "wafers" (top 12 inches of vegetation and topsoil) and either transplanted immediately or stored separately on pond liners. These soils will be kept moist until they are re-placed along the new secondary tidal channels at the appropriate finished grade and in the same orientation.	NRLT, through a qualified biologist retained by NRLT or its contractor	NRLT	NRLT to SCC to confirm compliance	Prior to and during construction
MITIGATION BIO 4A-2: Minimize disturbance area. The disturbance footprint will be minimized. Heavy equipment will be confined, to the maximum extent practicable, to within the proposed secondary tidal slough channels and proposed salt marsh bench footprints. The in-channel excavation work will be performed at low tide and at the lowest seasonal stream flows when water levels in Wood Creek are as low as possible.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction
MITIGATION 4A-3: Minimization of wetland disturbance. Exclusionary cattle fencing will be installed to protect vegetation in the project area.	NRLT	NRLT	NRLT to SCC to confirm compliance	After construction
MITIGATION 6B-1: Minimize stormwater pollution. A silt fence shall be deployed during construction to trap suspended sediment that might leave the construction site if stormwater runoff were to occur. If the silt fence is not adequately containing sediment, the construction activity shall cease until remedial measures are implemented that prevent sediment from entering the waters below. Turbid water shall be contained and prevented from being transported to the slough in	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction in wetlands

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amounts that could violate state pollution laws.				
MITIGATION 6B-2: Minimize erosion. Areas identified by a consulting engineer as having "wet" or "soft" soils: (a) shall be covered with heavy synthetic mats or other acceptable non-toxic material and gravel that can be readily laid down and immediately removed following construction, and (b) shall be the minimum width and length necessary to allow movement of equipment to and from the project site. Following completion of grading of the wetlands and channels, all disturbed ground shall be mulched and planted with grass seed for immediate erosion control and appropriate wetland plants.	Contractor	NRLT	NRLT to SCC to confirm compliance	During and after construction.
MITIGATION 7A-1: Equipment Maintenance: Heavy equipment that will be used in the Project will be in good condition and will be inspected for leakage of coolant and petroleum products and repaired, if necessary, before work is started.	Contractor	NRLT	NRLT to SCC to confirm compliance	Prior to and during construction.
MITIGATION 7A-2: Operator Training: Equipment operators will be trained in the procedures to be taken should an accident occur.	Contractor	NRLT	NRLT to SCC to confirm compliance	Prior to and during construction
MITIGATION 7A-3: Spill Response Plan. Prior to the onset of work the contractor will prepare a plan for the prompt and effective response to any accidental spills.	Contractor	NRLT	NRLT to SCC to confirm compliance	Prior to construction
MITIGATION 7A-4: Spill Absorption. Absorbent materials designed for spill containment and cleanup will be kept at that Project site for use in case of an accidental spill.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction
MITIGATION 7A-5: Refueling off-site. Equipment will be refueled off-site.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction
MITIGATION 7A-6: Washing off-site. Equipment will be washed off-site.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction
MITIGATION 7A-7: Use of drip pans. Stationary equipment will be positioned over drip pans.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction

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MITIGATION 7A-8: Spark arrestors. All internal combustion engines shall be fitted with spark arrestors.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction
MITIGATION 7A-9: Fire-fighting equipment. The contractor shall have appropriate fire extinguishers and fire fighting tools present at all times when there is a risk of fire.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction
Mitigation 7A-10: Vehicle Parking. Vehicles shall not be parked in tall grass or any other location where heat from the exhaust system could ignite a fire.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction
MITIGATION 8A-1: Minimize fine sediment influx and turbidity in Wood Creek. Excavated channels and wetlands will not be connected to Wood Creek until the end of the project.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction
MITIGATION 8A-2: Minimize compaction of wet soils. If vehicular equipment encounters wet areas in the course of construction, geotextile mats and crushed rock will be placed in these areas to minimize compaction, and all material will be removed on completion of the project.	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction
MITIGATION 8A-3: Minimize erosion and sediment influx into Wood Creek. Appropriate Erosion and Sediment Control best management practices shall be implemented to protect and stabilize soils and stream banks disturbed by project activities, prevent entry of storm water runoff into the excavation site, the entrainment of excavated contaminated materials leaving the site, and to prevent the entry of polluted storm water runoff into coastal waters during the transportation and storage of excavated contaminated materials, as follows. • Construction will only occur between July 1st and October 31st when the ground surface is dry to reduce the chance of storm water runoff occurring during construction. • During construction a combination of silt fence or fiber rolls will be	Contractor	NRLT	NRLT to SCC to confirm compliance	During construction

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deployed along the top of bank on the north side of Wood Creek to trap suspended sediment that might leave the construction site if storm water runoff were to occur. If the silt fence or fiber rolls are not adequately containing sediment, the construction activity shall cease until remedial measures are implemented that prevent sediment from entering the waters below. • No construction materials, debris, or waste, shall be placed or stored where it may be allowed to enter into or be placed where it may be washed by rainfall into waters of the U.S./State. • When the project surfaces have been recontoured all exposed surfaces will be straw mulched or hydro-mulched and seeded with appropriate grass seed or planted with wetland plants. • All temporary fill, synthetic mats and silt fences will be removed from wetlands and waters of the U.S./State immediately on cessation of construction. • Following completion of work all disturbed grazed seasonal wetlands around the perimeter of the project area will be de-compacted and seeded as needed.				