

Delta Levees Habitat Mitigation And Enhancement Projects

ADVANCE MITIGATION PROJECTS

Project Title	Program Management	Funding Amount	Description
Bulk Credit Program	Delta Ecosystem Enhancement	\$6,000,000	DWR's Bulk Credit Program facilitates the acquisition of habitat mitigation, some to fill an immediate need, and some to have "in the bank" and ready to use as Delta Levees Program participant's habitat mitigation needs arise.
Twitchell North End Mitigation/Enhancement Site	Delta Ecosystem Enhancement	\$1,094,000	Mitigation of habitat impacts resulting from Delta levee improvements, combined with scrub shrub and riparian forest habitat enhancements on approximately 140 acres.

\$7,094,000

HABITAT ENHANCEMENT PROJECTS

Project Title	Program Management	Funding Amount	Description
Arundo Control and Restoration Program	Delta Ecosystem Enhancement	\$999,412	Remove Arundo along channels and levees in the Cache Slough Complex, replant with native vegetation, map Arundo infestations in the legal Delta, and develop a prioritization model for future removal of Arundo throughout the Delta.
Decker Island Levee Repair Demonstration Project	Delta Ecosystem Enhancement	\$81,000	Erosion repair along an approximately 210LF section of the eastern levee of Decker Island. The repair would utilize Maverick Solutions LLC's "gripper system" for 110 lineal feet (LF) and vegetated riprap for the remaining 100LF.
Dutch Slough Tidal Marsh Restoration	Delta Ecosystem Enhancement	13,400,000**	Benefit native species by re-establishing natural ecological processes and tidally influenced habitats, contribute to scientific understanding of Delta habitat restoration, and provide shoreline access and educational and recreational opportunities.
Marsh Creek Delta Habitat Enhancement Project	Delta Ecosystem Enhancement	\$8,975,500	Approximately 100 acres of land owned by Ironhouse Sanitary District converted from agricultural to intertidal marsh and transitional riparian habitats through the excavation and relocation of up to 600,000 cubic yards of material.
North Delta Project - McCormack Williamson and Grizzly Slough Projects *	Special Investigations	\$28,000,000	The North Delta Project focuses on flood control and habitat improvements where the Mokelumne River, Cosumnes River, Dry Creek, and Morrison Creek converge.
Scour Pond Habitat Enhancement Project	Delta Ecosystem Enhancement	\$2,923,000	Fill scour pond and create 25 net acres of freshwater marsh and shrub scrub habitat incorporated into the Sherman Island Subsidence Mitigation Project at the Whale's Mouth
Solano County Delta Habitat Restoration Partnership Project	Delta Ecosystem Enhancement	\$542,700	Arundo control treatments along Hastings Cut. Map and characterize Arundo in the Cache Slough Complex. Revegetate treated areas and 2.6 miles of flood control ditches with native plants. Annually remove red sesbania along levees on and near Ryer Island.
Sherman Subsidence Mitigation Funding Agreement*	Special Investigations	\$9,000,000	The funding agreements to implement project construction, maintenance and monitoring activities on Sherman and Twitchell Islands, consist of creating managed wetlands on deeply subsided lands and studies to ensure the viability of the Delta ecosystem. Research and monitoring conducted on these wetlands show highly productive wildlife diversity, and proven to both reverse subsidence and sequester greenhouse gasses from the atmosphere, thus helping to ensure sustainable levee integrity and water quality objectives
Twitchell Subsidence Mitigation Funding Agreement*	Special Investigations	\$9,000,000	
Twitchell Habitat Enhancement Project	Delta Ecosystem Enhancement	\$1,037,000	Riparian and upland enhancement to benefit Delta Special Status species. 18 acres at 8-acre expansion and 9 acres at Cutoff Levee Site.

\$60,558,612

*For more details see the following document: http://water.ca.gov/floodsafe/fessro/docs/special_investigations_update.pdf

**Current funding commitment. Additional funding will be needed to complete construction