

SPONSOR

Department of Fish and Wildlife

RECORD TYPE

Project

PROGRAM OVERSEEING EFFORT

Ecosystem Restoration Program (ERP)

REFERENCE NUMBER

ERP-11-S14

CONTRACT NUMBER

E1183013

STATUS

Active (60% - 79%)

TARGET DATES

Start 4/1/2012

End 3/31/2016

FUNDING

Total Proposed Funding

\$1,152,195

Total Actual Funding

\$1,531,679

Fund Sources

Proposition 84 - 6051

Budget Reference

001-099 - State Operations

Delta View ID: DFW_268

Identifying habitat characteristics that support native fish in the Delta & Suisun Marsh

The purpose of this project is to develop better understanding of how physical habitat, flow and other factors interact to maintain assemblages of native and non-native species in the upper San Francisco estuary (Delta and Suisun Marsh). The project examines an environmental gradient that supports populations of most of the native fishes. Special emphasis is placed on Sacramento splittail. Specific locations of this study are the Cache Slough Complex (network of sloughs and flooded islands located to the northwest of the confluence of Cache Slough and the Sacramento Deep Water Shipping Channel); Sherman Lake (a flooded island located at the confluence of the Sacramento and San Joaquin Rivers); and the Suisun Marsh (a brackish-water marsh bordering the northern edge of Suisun Bay in the San Francisco Estuary).

CONTACTS

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ALIGNMENT WITH THE DELTA PLAN

GOAL

Governance

CORE STRATEGY

G CS 1

Delta Plan

Ch 2 - G policies and recommendations: Administrative

PERFORMANCE MEASURE(S)

NA

CORE STRATEGY

ER CS 2

Delta Ecosystem

Ch 4 - ER policies and recommendations: Restore habitat

PERFORMANCE MEASURE(S)

ER R5-01

Update the Suisun Marsh Protection Plan

The San Francisco Bay Conservation and Development Commission updates the Suisun Marsh Protection Plan to address adaptation to sea level rise and ensure consistency with the Suisun Marsh Preservation Act, the Sacramento-San Joaquin Delta Reform Act of 2009 and the Delta Plan.

CORE STRATEGY

ER CS 3

Delta Ecosystem

Ch 4 - ER policies and recommendations: Improve water quality to protect the ecosystem

PERFORMANCE MEASURE(S)

WQ R8-02

Completion of Regulatory Processes, Research, and Monitoring for Water Quality Improvements

The State Water Resources Control Board and Regional Water Quality Control Boards begin implementation of a study plan for the development of objectives for nutrients in the Sacramento-San Joaquin Delta and Suisun Marsh by January 1, 2013, and complete studies by January 1, 2016.

CORE STRATEGY

ER CS 4

Delta Ecosystem

Ch 4 - ER policies and recommendations: Prevent introduction of and manage nonnative species impacts

PERFORMANCE MEASURE(S)

ER P5-01

Avoid Introductions of and Habitat Improvements for Invasive Nonnative Species

100 percent of all proposed actions that have the reasonable probability of introducing, or improving the habitat conditions for, nonnative invasive species have demonstrated that the potential for new introductions of and/or improved habitat conditions for nonnative invasive species have been fully considered and avoided or mitigated in a way that appropriately protects the ecosystem.

COORDINATING BODIES

N/A

TYPE

Monitoring, Research/Study

HYDROLOGIC REGION(S)

Delta

TOPICS

Harvestable Species Assessment, Shallow Water and Marsh Habitat, Hydrodynamics, Sediment Transport, and Flow Regimes, Non-Native Invasive Species, Estuary Foodweb Productivity, At-Risk Species Assessment