

**SPONSOR**

Department of Fish and Wildlife

**RECORD TYPE**

Project

**PROGRAM OVERSEEING EFFORT**

Ecosystem Restoration Program (ERP)

**REFERENCE NUMBER**

ERP-11D-S17

**CONTRACT NUMBER**

E1183004

**STATUS**

Active (80% - 99%)

**TARGET DATES**

**Start** 2/27/2012

**End** 12/15/2015

**FUNDING**

**Total Proposed Funding**

\$1,395,749

**Total Actual Funding**

\$2,554,445

**Fund Sources**

Proposition 50 - 6031

**Budget Reference**

490-494 - Reappropriation - State Operations

Delta View ID: DFW\_260

**Fall X2 Fish Health Study: Contrasts in Health Indices, Growth and Reproductive Fitness of Delta Smelt and Other Pelagic Fishes Rearing in the Low Salinity Zone and Cache Slough Regions**

The ultimate goal of the study is to establish a conceptual framework that proposes and investigates relationships among stressor effects, ecosystem variables, and the health indices of the at-risk fish species. Within the proposed contrasting regions, the State will be investing in multiple habitat restoration projects that may benefit the target species. Fish tissue samples suitable for stable isotope analysis that may allow future studies linking habitat restoration to the delta smelt food web and potentially delta smelt abundance will be maintained. The second goal of the study is to establish baseline information on the general health status of delta smelt and other at-risk species providing the essential groundwork for evaluating future changes on the health status of these species and as indicator species on the health of the Delta ecosystem and resident aquatic organisms.

**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 1

Delta Ecosystem

Ch 4 - ER policies and recommendations: Create more natural functional flows

### *PERFORMANCE MEASURE(S)*

#### ER P1-01

### **Delta Flow Objectives**

Prior to the establishment of revised flow objectives, 100 percent of proposed actions that could significantly affect flow in the Sacramento-San Joaquin Delta are consistent with the existing Bay Delta Water Quality Control Plan objectives.

### CORE STRATEGY

#### ER CS 2

Delta Ecosystem

Ch 4 - ER policies and recommendations: Restore habitat

### *PERFORMANCE MEASURE(S)*

#### ER R2-01

### **Prioritize and Implement Projects that Restore Delta Habitat**



Bay Delta Conservation Plan implementers, California Department of Fish and Wildlife, California Department of Water Resources, and/or the Sacramento-San Joaquin Delta Conservancy identify number of projects and amount of funding for priority habitat restoration projects.

**ER R2-03**

**Prioritize and Implement Projects that Restore Delta Habitat**

100 percent of proponents of habitat restoration projects consult the California Department of Public Health’s Best Management Practices for Mosquito Control in California.

**CORE STRATEGY**

**WQ CS 4**

Water Quality

Ch 6 - WQ recommendations: Improve environmental water quality

***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.

**COORDINATING BODIES**

N/A

**TYPE**

Monitoring, Research/Study

**HYDROLOGIC REGION(S)**

Delta

**TOPICS**

Ecosystem Water and Sediment Quality, Estuary Foodweb Productivity, At-Risk Species Assessment

**DOCUMENTS AND LINKS**

Entered	Document
1/27/2015	<a href="#">FLaSH Adaptive Management Plan</a>