

SPONSOR

Delta Stewardship Council

RECORD TYPE

Project

PROGRAM OVERSEEING EFFORT

Delta Science Program

REFERENCE NUMBER

N/A

CONTRACT NUMBER

921,2255,2256,2259,2273,2297,2299

STATUS

Active (0%)

TARGET DATES

Start 4/30/2015

End 6/30/2017

FUNDING

Total Proposed Funding

\$120,480

Total Actual Funding

\$67,297

Fund Sources

Proposition 50 - 6031

Budget Reference

Delta View ID: DSC_286

State of Bay-Delta Science 2016

The State of Bay-Delta Science 2016 (SBDS) is a collection of papers that summarizes the scientific understanding of the Sacramento-San Joaquin Delta, emphasizing progress made during the past decade. It builds on the first SBDS edition (Healey et al. 2008). Paper topics for this edition address the most relevant scientific issues in the Delta identified by senior scientists and managers. The topical papers cover issues ranging from contaminants in the Delta to levee stability, and from Delta food webs to recent discoveries about salmon migration. These papers are written for a scientific audience. Two additional papers, one describing the challenges of managing water and ecosystems in the Delta and another that discusses policy implications of the recent scientific findings, are written for a general audience. The papers will be published in at least two issues of San Francisco Estuary and Watershed Science and will be available as a set electronically.

CONTACTS

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ALIGNMENT WITH THE DELTA PLAN

GOAL

Protect, Restore, and Enhance the Delta Ecosystem

CORE STRATEGY

WQ CS 1

Water Quality

Ch 6 - WQ recommendations: Require Delta-specific water quality protection

PERFORMANCE MEASURE(S)

WQ R3-01

Special Water Quality Protections for the Delta

The State Water Resources Control Board and Regional Water Quality Control Boards evaluate and include appropriate protections in any applicable water quality control plan.

CORE STRATEGY

RR CS 2

Reduce Risk in the Delta

Ch 7 - RR policies and recommendations: Finance and implement flood management activities

PERFORMANCE MEASURE(S)

RR R3-02

Fund Actions to Protect Infrastructure from Flooding and Other Natural Disasters

The California Public Utility Commission directs all regulated public utilities in the California Public Utility Commission's jurisdiction to immediately take steps to protect the public utilities' facilities in the Sacramento-San Joaquin Delta from the consequences of catastrophic failure of levees in the Sacramento-San Joaquin Delta.

CORE STRATEGY

RR CS 3

Reduce Risk in the Delta

Ch 7 - RR policies and recommendations: Prioritize flood management investment

PERFORMANCE MEASURE(S)

RR P1-01

Prioritization of State Investments in Delta Levees and Risk Reduction

The Delta Stewardship Council facilitates development of funding priorities for State investments in Sacramento-San Joaquin Delta levees by January 1, 2015.

CORE STRATEGY

RR CS 5

Reduce Risk in the Delta

Ch 7 - RR policies and recommendations: Protect and expand floodways, floodplains, and bypasses

PERFORMANCE MEASURE(S)

RR P4-01

Floodplain Protection

100 percent of covered actions that encroach upon a floodplain do not significantly affect floodplain values and functions, per stated requirements.

ALIGNMENT WITH THE DELTA SCIENCE PLAN

Chapter 2

Organizing science to inform policy and management

COORDINATING BODIES

N/A

HYDROLOGIC REGION(S)

Sacramento River, San Francisco, San Joaquin, Delta

TYPE

Synthesis/Communication

TOPICS

Storage - Groundwater, Storage - Surface, Storage - Conjunctive, Hydrodynamics, Sediment Transport, and Flow Regimes, Estuary Foodweb Productivity, At-Risk Species Assessment, Conveyance, Constituents – Salinity, Constituents – Mercury, Constituents -- DOC, Climate Change, Fish, Delta Smelt, Fish, Salmonids, Aquatic Food webs, Water Quality, Contaminants, Levees, Modeling, Constituents – Nutrients, Constituents – Pathogens, Constituents – Pesticides, Constituents – Sediment