

Making Connections

8th Biennial
Bay-Delta Science Conference



Delta Science Plan

One Delta, One Science

Overview

1. Delta Science Program
2. Overview of the Delta Science Plan
3. Awareness of opportunities for shared implementation of the Delta Science Plan
 - Science Summits
 - Interim Science Action Agenda

Delta Science Program

[Established by the Delta Reform Act]

Mission: To provide the best possible, unbiased scientific information for water and environmental decision-making in the Bay-Delta system

- ◆ ***Support and facilitate*** research
- ◆ ***Synthesize*** scientific information
- ◆ ***Facilitate*** independent peer review
- ◆ ***Coordinate*** science
- ◆ ***Communicate*** science



Honest Brokers of Science

“Through our joint federal-state partnership, and with science as our guide, we are taking a comprehensive approach to tackling California’s water problems...”

From July 25, 2012 Governor Brown and President Obama Administration joint announcement on California's water future.

“In carrying out this section, the council shall make use of the best available science.”

California Water Code § 85302(g)

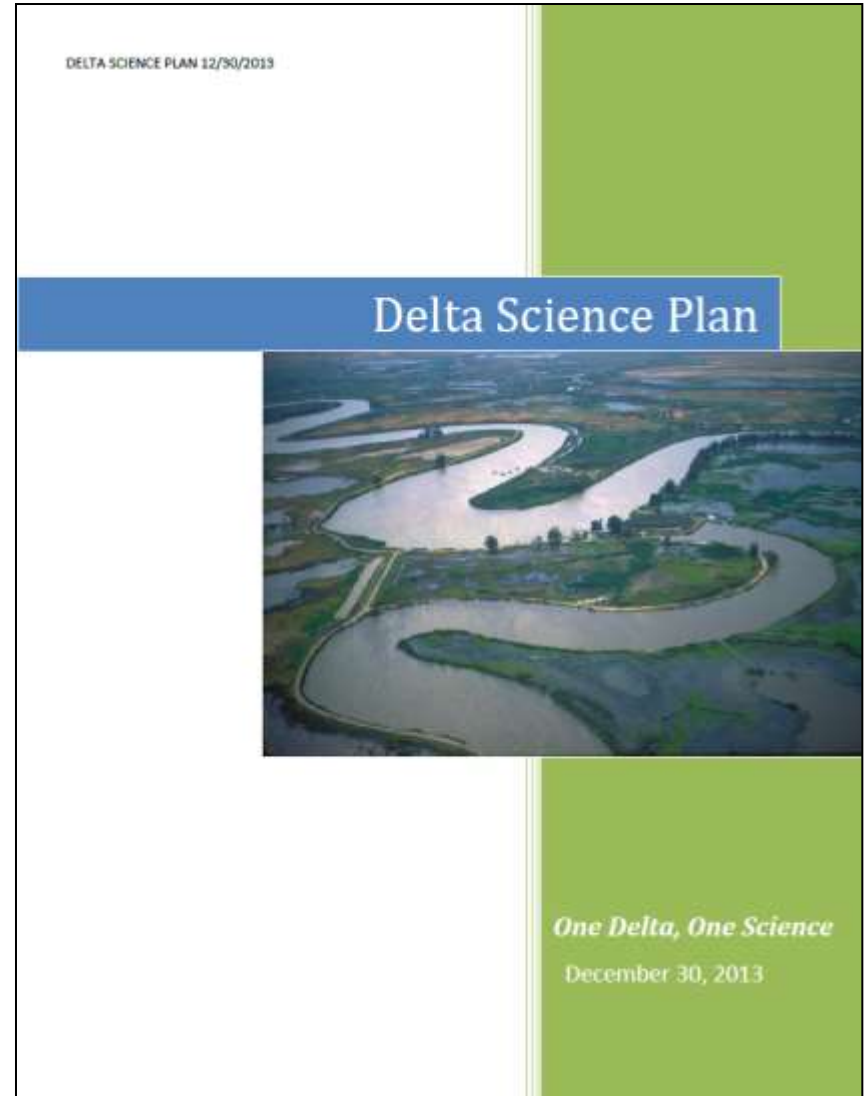
Delta Science Plan

One Delta, One Science

Completed
December 30, 2013

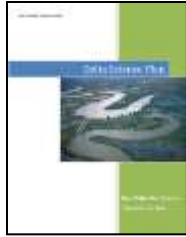


Delta Stewardship Council
Delta Science Program



Delta Science Plan

- Shared Vision
- Building a common body of knowledge
- Organizing Science to Inform Policy and Management
- Science to Support Adaptive Management in a Complex System
- Enhancing the Scientific Infrastructure:
Models, Monitoring, Research, Training,
Communication and more



Delta Science Plan
Shared vision for Delta science
 [DSP Action 2.2]

DELTA SCIENCE STRATEGY

2014 (Interim), 2016, 2020, ...

2015, 2019, 2023, ...

Science Action Agenda
Collaborative road map for science
 [DSP Action 2.2]

State of Bay-Delta Science
Synthesis of current scientific knowledge
 [DSP Action 2.6]

Interactive Webpage

**Tracking System of
Science Activities**
 [DSP Action 2.3]

SBDS
**Detailed Chapters, Key
References, Reports,
and Reviews**



**Executive
Summary**
 [Hardcopy]

Whose Science Plan is it anyway?



CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY (CAL/EPA)



CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE

Interagency Ecological Program
COOPERATIVE ECOLOGICAL INVESTIGATIONS SINCE 1970

Everyone's



US Army Corps of Engineers®



S
COUNCIL



SACRAMENTO - SAN JOAQUIN
DELTA CONSERVANCY
A California State Agency



SFCWA
State & Federal Contractors
Water Agency



Shared Implementation of the Delta Science Plan

Problem: Decisions are made in the courtroom

Scientific Conflict Management

Actions 4.5.1 , 4.5.2, 4.6.1 and 4.6.2

A range of mechanisms

- ✓ Expert memorandum/position paper

e.g., Recommendations for Determining Regional Instream Flow Criteria for Priority Tributaries to the Sacramento-San Joaquin Delta

- ✓ Invited review panels

e.g., Long-term Operations Biological Opinions Annual Science Reviews (2010-2014)

- ✓ *'Delta Collaborative Analysis and Synthesis' - DCAS*

Shared Implementation of the Delta Science Plan

Problem: widely distributed and inaccessible data and inadequate models to describe complex interaction

Science Summits

Actions 4.3.1, 4.4.1-4

Environmental Data Management in the Era of 'Big Data' (June 5-6, 2014)

Inter-disciplinary Integrated Community Modeling
2015.

Articulating a Common Vision for our Science Needs

At times of change, the learners
will be the ones who will inherit
the world, while the knowers will
be beautifully prepared for a
world that no longer exists.

Alastair Smith

A Transformed Culture –One Delta, One Science
A common body of knowledge
Peer Review & Best Available Science
Technical support for adaptive Delta decision making
Shared priorities – relevant, legitimate and credible
Transparent and accessible data and tools
Management of Scientific Conflict