

Delta Science Plan

One Delta, One Science



Delta Plan Interagency Implementation Committee Meeting

April 9, 2014

What we would like to achieve today

1. A cross-agency understanding of the Delta Science Plan
2. Awareness of opportunities for shared implementation of the Delta Science Plan
 - Science Summits
 - Interim Science Action Agenda

“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)

Science should not be an excuse for inaction

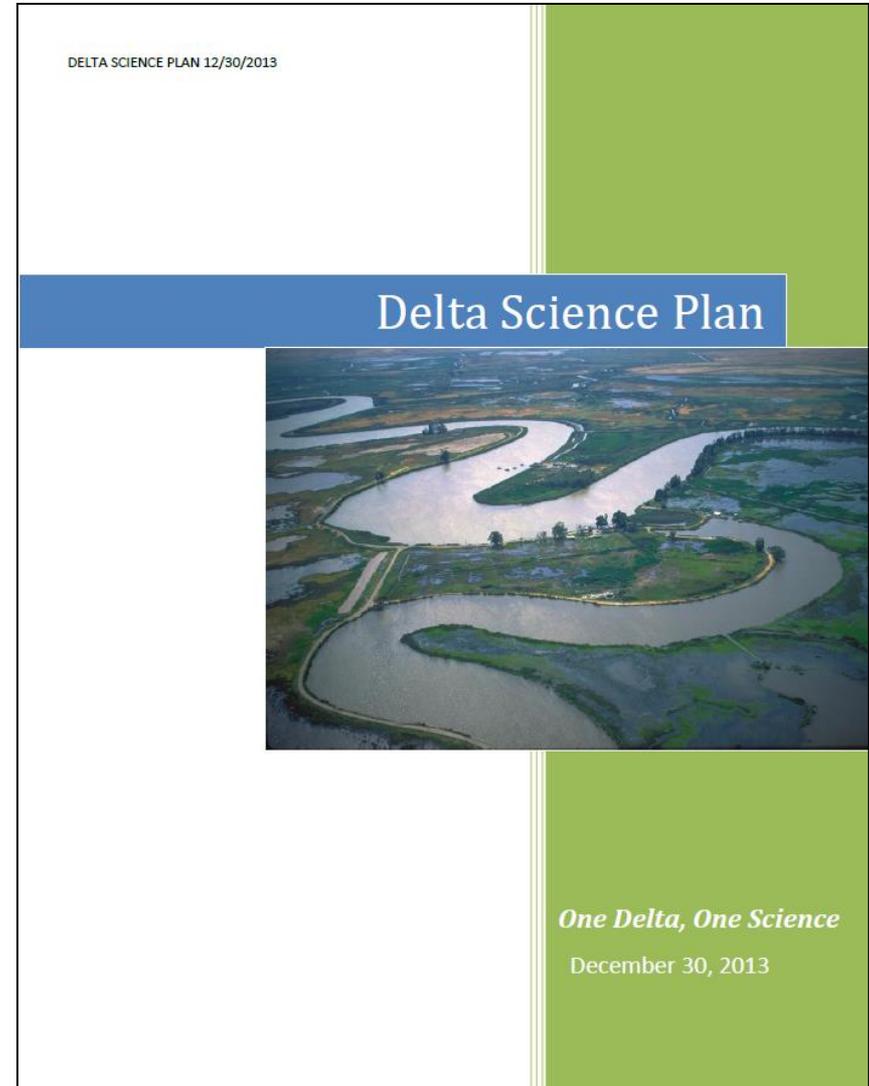
Delta Science Plan

One Delta, One Science

Completed
December 30, 2013



Delta Stewardship Council
Delta Science Program



Delta Science Plan

- Organizing Science to Inform Policy and Management
- Science to Support Adaptive Management in a Complex System
- Scientific Foundation:
Models, Monitoring, Research, Training,
Communication and more

Whose Science Plan is it anyway?

Everyone's

Shared Implementation of the Delta Science Plan – Example 1

Collaborative Adaptive Management Team



Shared Implementation of the Delta Science Plan – Example 2

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 (2010-2013)

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

Shared Implementation of the Delta Science Plan – Example 2

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
 - TBD
- ✓ Biennial Bay-Delta Science Conference
 - October 28-30, 2014

Shared Implementation of the Delta Science Plan – Example 4

Problem: No shared science agenda exists

Interim Science Action Agenda

Action 2.2

- A shared list of common priority science needs, questions, and actions
- A collaborative road map for science

Requests:

- *What are your Grand Challenges?*
- *Engagement of your technical staff*
 - *Interim Science Action Agenda Workshop (May 6, 2014)*

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