

COMPREHENSIVE (PHASE 2) REVIEW AND UPDATE TO THE BAY-DELTA PLAN

Workshop1: Ecosystem Changes and the Low Salinity Zone

Wednesday, September 5, 2012
Continuing on Thursday, September 6, 2012

9:00 a.m. to 5:00 p.m.
Joe Serna, Jr.-Cal/EPA Building
Coastal Hearing Room
1001 I Street, Second Floor
Sacramento, CA 95814

Agenda

Note: Times are approximate and may shift based on the length of presentations and/or the discretion of the Water Board. Written comments can be found at:
http://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/cmnt081712.shtml

Day 1: 9/5/12

9:00 – 9:15	Welcome, agenda review
9:15 – 10:45	Invited Panel
10:45 – 10:55	Break
10:55 – 12:00	Regulatory / fishery agencies
12:00 – 12:55	Lunch
12:55 – 1:30	Regulatory / fishery agencies (cont.)
1:30 – 3:10	Resource management agencies
3:10 – 3:20	Break
3:20 – 5:00	Environmental / NGO groups

Day 2: 9/6/12

9:00 – 10:40	In-Delta water interests
10:40 – 10:50	Break
10:50 – 12:30	State / Central Valley Project contractors
12:30 – 1:30	Lunch
1:30 – 2:30	Sacramento Valley water suppliers
2:30 – 2:45	Break
2:45 – 3:45	Public comments
3:45 – 5:00	Additional Water Board questions

Invited Expert Panel

The Invited Expert Panel assembled by Dr. Peter Goodwin, the Delta Science Program's Lead Scientist, will focus on:

- Effects of the low salinity zone on various estuarine species
- Interaction of salinity with non-flow related factors
- Identification of modeling or other tools that can be used to measure and reasonably protect estuarine habitat

One or more of the following will make presentations:

Larry Brown	US Geological Survey
Jim Cloern	US Geological Survey
Steve Culberson	US Fish & Wildlife Service
Cliff Dahm	University of New Mexico
Bill Fleenor	UC Davis
Bruce Herbold	USEPA
Wim Kimmerer	San Francisco State University
Anke Mueller-Solger	Interagency Ecological Program

Regulatory / fishery agencies panel

Agency	Presenter	Topic
USEPA	Erin Foresman	<ul style="list-style-type: none">• Flow interactions with species abundance and water quality standards
CA Dept. Fish & Game	Patrick Coulston	<ul style="list-style-type: none">• Low Salinity Zone and inflow / outflow effects on Bay species
	John Shelton	<ul style="list-style-type: none">• System ecology, watershed functions and services, and Central and South Delta interactions
	Randy Baxter (alternate)	
US Fish & Wildlife Service	Matt Nobriga	<ul style="list-style-type: none">• Low Salinity Zone effects on Delta Smelt

Resource management agencies panel

Agency	Presenter	Topic
CA Dept. Water Resources	Ted Sommer	<ul style="list-style-type: none">• X2 and non-flow criteria
	Andrew Schwarz	<ul style="list-style-type: none">• Climate change and non-flow criteria
	John Leahigh	<ul style="list-style-type: none">• Dealing with uncertainty

Environmental / NGO panel

Agency	Presenter	Topic
Bay Institute / NRDC	Jonathan Rosenfield	<ul style="list-style-type: none">• Effects of flow, other stressors, and climate change on estuarine habitat and the LSZ• Use of biocriteria and other decision tools to guide adaptive management of efforts to attain water quality objectives and protect beneficial uses
American Rivers	John Cain	<ul style="list-style-type: none">• Interconnections between floodplain inundation, water turbidity, and fish habitat• Associated modeling• Modification of export facilities and operations under existing conditions and with approved BDCP
CA Sportfishing Alliance / CA Water Impact Network	Tim Stroshane	<ul style="list-style-type: none">• Recent selenium science and modeling in relation to ecosystem changes and listed and non-listed species
	G. Fred Lee	<ul style="list-style-type: none">• Importance of high tributary flow to minimize water quality impacts
	Tom Cannon	<ul style="list-style-type: none">• Effects of past standards on flow and pelagic and salmonid species and measures necessary to protect those species

In-Delta water interests panel

Agency	Presenter	Topic
Bay Area Clean Water Agencies	Michael Connor	<ul style="list-style-type: none">• Suisun Bay eutrophication issues; impacts of nutrient loadings on phyto and zooplankton
Sacramento County Regional Sanitation District	Mike Bryan	<ul style="list-style-type: none">• Water quality, data quality objectives, regional monitoring
	Cameron Irvine	<ul style="list-style-type: none">• Data quality objectives, invasive clams, contaminants
City of Antioch	Susan Paulsen	<ul style="list-style-type: none">• Salinity impacts of water withdrawals
South Delta Water Agency	John Herrick	<ul style="list-style-type: none">• SWP / CVP operations and problems with Delta/Project modeling

State and Central Valley Project contractors

Agency	Presenter	Topic
State Water Contractors, San Luis & Delta-Mendota Water Authority	Dave Fullerton Sheila Greene Patricia Glibert Chuck Hanson Paul Hutton	<ul style="list-style-type: none">• Exploring the mechanisms driving changes to the Bay-Delta Estuary

Sacramento Valley water suppliers panel

Agency	Presenter	Topic
N CA Water Assoc., Sacramento Valley Water Users	Walter Bourez	<ul style="list-style-type: none">• Uncertainty in LSZ positioning• Concurrent trends in Sacramento Basin hydrology and pelagic populations• Risks of unimpaired flow-based standards• Water management to support multiple beneficial uses