

**2006 Environmental Water Account (EWA) Review
REVIEW AGENDA**

Bay-Delta Room
CALFED Bay-Delta Program Offices
650 Capitol Mall, 5th Floor
Sacramento, California
November 28-30, 2006

Day 1 (November 28, 2006)

I. Introduction:

- 8:30 – 8:40 Welcome remarks.
Ron Ott (CALFED Science Program)
- 8:40 – 9:00 EWA overview—Implementing Agencies Perspectives
Jerry Johns (DWR), Perry Herrgesell (DFG)
- 9:00 – 9:15 Adapting to a changing world: Past EWA actions 2001-2006.
Bruce Oppenheim (NOAA)
This presentation will summarize the actions taken to date and explain how new information was incorporated into the basis for its use.
- 9:15 – 9:30 Summary of 2005 and 2006 EWA Fish Actions
Nick Hindman (FWS)
Summary of Environmental Water Account fish actions taken in 2005 and 2006 and the rationale for the actions.
- 9:30 – 9:45 Summary of 2005 and 2006 (b)(2) Actions
Nick Hindman (FWS)
Summary of Central Valley Project Improvement Act Section 3406 (b)(2) actions taken in 2005 and 2006 and the rationale for the actions.

9:45 – 10:00 Break

II. Effects of Water Management on Migrating Salmon

A) What have we learned?

- 10:00 – 10:20 Effects of exports on salmon survival through the Delta
Sheila Greene (DWR)
Effects of exports on salmon survival through the Delta – review of hypotheses since the 2001 EWA review to the present, their supporting information and how they have changed over the years.
- 10:20 – 10:40 Data and analyses from Delta Action 8
Pat Brandes and Ken Newman (FWS)
- 10:40 – 11:00 Data and analyses from Vernalis Adaptive Management Program (VAMP)
Pat Brandes (FWS)

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- 11:00 – 11:30 The role of spring flow in determining San Joaquin basin tributary salmon production
Dean Marston (DFG) and Carl Mesick (FWS)
Variation in survival of juvenile fall-run Chinook in the SJR can be largely explained by the magnitude and duration of spring flow from the tributaries. These flows improve Delta conditions and increase survival of salmon migrating downstream through the Delta. Increased juvenile salmon survival results in increased escapement of adult salmon to the basin.

B) New Science and Emerging Tools

- 11:30 – 12:00 Collaborative ultrasonic tagging study
Pat Brandes (FWS) and Jon Bureau (USGS)

12:00 – 1:00 Lunch

III. Effects of Water Management on Delta Smelt—What have we learned?

- 1:00 – 1:15 Delta Smelt Work Group – Summary and technical basis of past workgroup recommendations
Victoria Poage (FWS)
- 1:15 – 1:35 Follow-up to analyses presented at 2005 EWA Workshop and Manly Report
Sheila Greene (DWR)
Follow-up to analyses presented at the 2005 EWA workshop and the review by Dr. Bryan Manly – 5 presenters at the 2005 EWA Workshop discussed the effects of exports on delta fish species, and drew ambiguous conclusions using the assumed same data sets. They agreed to participate in a statistical review by Dr. Bryan Manly in an attempt to reconcile their conclusions. I will be presenting an update in this process.
- 1:40 – 2:10 Implications of reproductive potential for delta smelt year-class success
Bill Bennett (UC Davis)

2:25 – 2:30 Break

- 2:30 – 3:00 Summer delta smelt-prey co-occurrence and export effects
Tom Mongan (Consulting Engineer)
- 3:00 – 3:10 CCWD recent analyses of flow and salinity data
Greg Gartrell (CCWD)
- 3:10 – 3:40 Data and modeling analyses of the possible effects from entrainment of delta smelt on the population decline
Pete Smith (USGS)
- 3:40 – 4:10 Pelagic Organism Decline (POD) conceptual synthesis
Ted Sommer (DWR)
- 4:10 – 4:40 Review Panel/ Presenter Q/A

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4:40 – 5:00 Public Comment Period
5:00 pm Adjourn

Day 2 (November 29, 2006)

IV. Assessment of Biological Effects of Environmental Water Use

- 8:30 – 9:30 Assessment of EWA—A novel way of managing water to protect fish: a review of California's Environmental Water Account
Wim Kimmerer (RTC) and Larry Brown (USGS)
- 9:30 – 9:45 Q/A period
- 9:45 – 10:05 Upstream (b)(2) Releases
Roger Guinee (FWS)
Examples of the upstream uses of (b)(2) water in CVP-controlled streams.
- 10:05 – 10:25 Another perspective on the EWA: putting the EWA into context in a changing system
Tina Swanson (TBI)
- 10:25 – 10:40 Q/A period

10:40 – 10:50 Break

V. Proposed plan and process for use of EWA assets

- 10:50 – 11:20 Overview of potential management actions based on recent scientific investigations and planning for use of environmental water assets
Jim White (DFG) and Kevin Fleming (DFG)
Hypotheses suggested by presentations at the recent CALFED Science Conference may provide the basis for adaptive management experiments in WY 2007.
- 11:20 – 11:35 Finding Balance: An example of a multi-species management conflict
Erin Chappell (DWR)
This presentation addresses the potential impacts of management decisions focusing on recent recommendations to remove the Head of Old River Barrier to protect delta smelt and the subsequent effect on juvenile San Joaquin Chinook salmon survival.
- 11:35 – 12:00 Open question/answer period for inclusive discussion of Year 7 plan

12:00 – 1:00 Lunch

VI. Guidance for future environmental water use and management

1:00 – 2:30 Agency and Stakeholder Panel discussion
Jerry Johns (DWR), David Harlow (FWS), Barry Nelson (ED), Tina Swanson (TBI), Greg Gartrell (CCWD), Ara Azhderian (SLDMWA), Tim Quinn (MWD), John Davis (BOR)

QUESTION: What scientific components and considerations should be included in a future and/or long-term environmental water program?

Each panel member will have 5 minutes to respond to the question listed below. Discussion to focus around suggestions of specific elements such as modeling, science needs (monitoring, research, etc), program size, target species, water allocation strategies that should be included to meet protection and restoration goals and to improve our understanding of water management effects on ecosystem function and species' population dynamics? Twenty minutes is reserved for discussions with the EWA Review Panel.

VII. Final Questions from Panel on presented information to all presenters

3:00 pm – Panel to adjourn for deliberations

Day 3 (November 30, 2006)

VIII. EWA Review Panel's preliminary report presentation

9:00 – 10:00 Presentation of initial panel findings/recommendations
Review Panel
10:00 – 11:00 Open discussion with Review Panel

IX. Concluding Remarks

11:00 – 11:15 Next steps
Wim Kimmerer (RTC) and CALFED Science Program
11:15 – 12:00 Final Public comment period