

## Lead Scientist's Report

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**Summary:** The Delta Science Program convened the first annual scientific review of the implementation of the delta smelt and salmon Biological Opinions Reasonable and Prudent Alternatives (RPAs) for the prior year's state and federal Delta water system operations and is actively working on the monitoring, research and adaptive management components of the Delta Plan.

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### **OCAP Integrated Annual Review Workshop**

At the request of the National Marine Fisheries Service (NMFS), United States Bureau of Reclamation and United States Fish and Wildlife Service (USFWS), the Delta Science Program coordinated the first integrated annual review workshop with a four-member independent review panel. The annual review provides an independent evaluation of the effectiveness of water operations for the prior year and regulatory actions prescribed within the Reasonable and Prudent Alternatives (RPAs) in the NMFS and USFWS Biological Opinions on long-term operations of the Central Valley Project and State Water Project. The agencies will use the recommendations of the independent review panel to make scientifically justified adjustments to the RPAs or their implementation to support 2011 real-time decision making.

The OCAP Integrated Annual Review Workshop was held on November 8-9, 2010. Panel members were Dr. James Anderson (University of Washington), Dr. Ron Kneib (University of Georgia, Emeritus), Dr. Stacy Luthy (University of the Pacific), and Dr. Pete Smith (USGS, retired). The panel's final report is due December 10, 2010.

For more information on the OCAP Integrated Annual Review Workshop please go to: [http://www.deltacouncil.ca.gov/delta\\_science\\_program/events/workshop\\_OCAP\\_2010.html](http://www.deltacouncil.ca.gov/delta_science_program/events/workshop_OCAP_2010.html)

### **Research, Monitoring, and Adaptive Management in the Delta Plan**

The Delta Science Program is actively working on a plan of action to develop a strong monitoring, research and adaptive management component for the Delta Plan. We will be drawing upon successful efforts elsewhere in the world (e.g. Southeast Queensland in Australia, the Rhine River in Europe, the Kissimmee River in South Florida, and Delaware Bay) to provide guidance for these components of the Delta Plan. A strong monitoring and research plan is foundational for effective adaptive management that will work successfully in the Delta.

### **Contact**

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