



California Water and Environmental Modeling Forum

Promoting Excellence and Consensus in Water and Environmental Modeling

P.O. Box 488, Sacramento, CA 95812 ♦ 916-607-0435 ♦ cwemf@cwemf.org ♦ www.cwemf.org

Joint CWEMF / Central Valley Technical Recovery Team Technical Workshop on

Using Models in Endangered Species Act Recovery Planning

Tuesday, September 7, 2004

9:00 a.m. to 5:00 p.m.

Bonderson Hearing Room, 1st Floor

901 P Street, Sacramento (Enter at 9th & P Streets)

Fee: None; Pre-registration not required.

Agenda

- 9:00 a.m. **Welcome** -- Rich Satkowski (CWEMF)
- 9:05 **Relationship Between the CBDA and Recovery Actions** --
Rhonda Reed (California Bay-Delta Authority)
- 9:20 **Steps in the Recovery Plan Process, and Products Required of the Recovery Teams** --
Pete Adams (NOAA Fisheries)
- 9:35 **Matching Model Complexity to Purpose: When is a Better Model Not a Better Model?** --
Lloyd Goldwasser (U.C Berkeley, formerly of NOAA Fisheries)
- 10:05 **Break**
- 10:20 **Use of Models in Salmon Recovery Planning in Oregon and Washington** --
Jim Anderson (University of Washington, Central Valley Technical Recovery Team)
- 11:00 **The Use of Models in ESA and Other Conservation Activities** --
Marc Mangel (U.C. Santa Cruz, Salmon Recovery Science Review Panel)
- 11:45 **Lunch**
- 1:00 p.m. **An Integrated Modeling Framework for Winter-Run Chinook in the Sacramento River** --
Steve Cramer (S. P. Cramer & Associates)
- 1:40 **An Individual-Based Model (IBM) for Central Valley Chinook Salmon** --
Steve Railsback (Lang, Railsback & Associates)
- 2:20 **Modeling the Effects of Striped Bass Predation on Winter-Run** --
Steve Lindley (NOAA Fisheries)
- 2:50 **Break**
- 3:05 **Panel Discussion: Are Current Modeling Efforts Meeting Recovery Planning Needs?** --
(All Speakers plus Diane Windham of NOAA Fisheries / Moderator: John Williams)
- 5:00 **Adjourn**