

CALFED Science Program Presents
A Statistical Model of Central Valley Winter Run
Chinook Salmon *Oncorhynchus* Bayesian ANALysis (OBAN)

The screenshot shows the 'Winter OBAN' software window. It features a menu bar (File, Display), several control panels for 'Productivity', 'Capacity', 'Spawning', 'Reaches', 'Fresh Water', and 'Ocean' parameters, and a table of 'Parameter values', 'NLL', and 'Esc / Pred'. A central text box is overlaid on the interface, containing the following text:

**Noble Hendrix and
Robert Lessard**
Monday, April 20, 2009
10 a.m. to 2 p.m.
(with a break for lunch)
Delta Room, 5th Floor
650 Capitol Mall

The background interface includes a table with the following columns: Parameter values, NLL, and Esc / Pred. The table contains numerical data for various parameters and their associated values.

Drs. Hendrix and Lessard will conduct a workshop demonstrating newly created software for the Central Valley Winter Run Chinook Salmon OBAN model. The OBAN model incorporates all phases of salmon life history, and includes the effects of uncertainty in assessing population status. The objectives of the Science Program funded project are to 1) estimate population vital rates; 2) evaluate potential covariates; 3) incorporate near-shore and oceanic indices of productivity; and 4) explicitly incorporate uncertainty.

Although some background will be given regarding the approach used to model the population dynamics, this workshop will focus primarily on using the software. The workshop will cover these topics: installing the software, conducting an analysis, estimating coefficients, selecting models, building a management scenario, and forecasting.

Attendees are encouraged to bring their own laptops running Microsoft Windows. For more information on OBAN, please visit www.r2usa.com/oban.

For general information, contact Steve Culberson at (916) 445-0584 or stevec@calwater.ca.gov

If you need reasonable accommodation due to a disability, please contact Debbie Mininfield, CALFED Bay-Delta Program at (916) 445-5511, TDD (800) 735-2929.

Please allow **extra time** for parking and security screening procedures at 650 Capitol Mall. Current photo identification is required. Cameras and cell phones with camera capability are prohibited without prior written review and approval from CBDA, Federal Protective Service and GSA Property Management for the 650 Capitol Mall building. Please contact Terry Smith at the California Bay-Delta Program at (916) 445-5345 or tsmith@calwater.ca.gov for building access information.