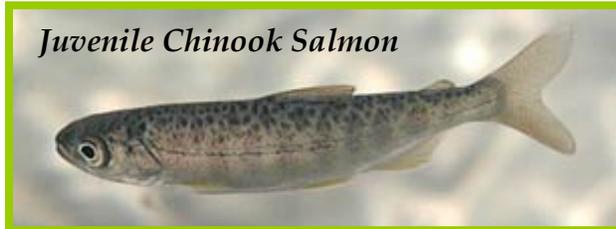


*CALFED Brown Bag Seminar*

**Using Advanced Technology to Study Sacramento River Juvenile Chinook Salmon Out-Migration in the North/Central Delta**

**November 7, 2007, 12:00 p.m. – 1:00 p.m.  
650 Capitol Mall, 5th Floor, Delta Room  
Sacramento, CA 95814**

**Speakers will be Jon Burau and Aaron Blake, USGS Sacramento**



*Juvenile Chinook Salmon*

Protection of Sacramento Chinook salmon, listed as an endangered species, is a high priority at the Department of Water Resources (DWR). DWR, with the support and cooperation of several agencies, including the United States Bureau of Reclamation, Department of Fish and Game, United States Fish and Wildlife Services, and United States Geological Survey (USGS) is

initiating a regional study of out-migrating winter Chinook salmon in the Sacramento River. Jon Burau of the USGS is the lead principal investigator. The Delta Cross Channel (DCC) is a critical conveyance structure in the Delta designed and operated to transfer Sacramento River water to the interior Delta to improve water quality. It has been the subject of numerous studies and in this Brown Bag Seminar we will present information on a study to increase our understanding of DCC operations and effects on hydrodynamics and fish migration. The presentation will include:

- I. An overview of the 2006 North Delta Winter Salmon Out-Migration Pilot Study
  - Purpose/Overview of the pilot study
  - Information from the pilot study that we can apply to the regional study
    - Feasibility of a larger regional study and investigation of Sacramento River junction dynamics at the DCC and Georgiana Slough
    - Distribution of the monitoring grid, number of fish to release, release locations and variations in gate operations
    - Techniques and equipment required in the regional study
  
- II. An overview of the Regional North/Central Delta Winter Salmon Out-Migration Study 2008-09
  - Description/Schedule of the regional study
  - Purpose and objectives of the regional study
  - Assess alternative DCC gate operations in order to optimize water deliveries, minimize salinity intrusion while at the same time, increase juvenile salmon survival
  - Study the impact of the DCC gate operations on juvenile salmon out-migration through the central Delta
  - Gather a statistically significant database that can be used to construct decision management tools such as numerical models.



*Autonomous ADCP Vessel*

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

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