

## FINAL REVIEW OF METHODOLOGY CHANGES TO THE KLAMATH OCEAN HARVEST MODEL AND COHO FISHERY REGULATION ASSESSMENT MODEL

Situation: Each year, the Scientific and Statistical Committee (SSC) completes a methodology review to help assure new or significantly modified methodologies employed to estimate impacts of the Council's salmon management use the best available science. This review is preparatory to the Council's adoption of all proposed changes to be implemented in the coming season or, in certain limited cases, providing directions for handling any unresolved methodology problems prior to the formulation of salmon management options.

In November 2001, the SSC's review of the revised Klamath Ocean Harvest Model (KOHM) and the new cohort analysis for the coho Fishery Regulation Assessment Model (FRAM) was not completed, pending some resolution of technical issues with the authors. The Council gave tentative approval of the revised models for use in the 2002 management season contingent on satisfactory resolution of the technical issues in the interim. The SSC salmon subcommittee and the Salmon Technical Team (STT) held joint meetings in January and February to complete the review and to provide the STT with guidance on model selection for use in developing Preseason Report I.

Based on the results of the January and February meetings, the STT was satisfied the technical issues were adequately addressed for both the coho FRAM (Exhibit B.2, Attachment 1) and the KOHM. They employed the revised models in their analysis of 2001 fishery management measures using projected 2002 abundance estimates, and incorporated those results into Preseason Report I. If the Council does not approve the revised model(s) for use in the 2002 salmon management season, the STT will need to revise the analyses in Preseason Report I using the previous version of the model(s).

### **Council Action:**

- 1. Approve methodology changes as appropriate for implementation in the 2002 salmon season.**
2. Provide guidance as needed for any unresolved methodology issues.

### **Reference Materials:**

1. Summary Minutes of the Salmon Technical Team (Exhibit B.2, Attachment 1).
2. Salmon Technical Team Comments on Salmon Methodology Review (Exhibit B.2.c, STT Report).
3. Scientific and Statistical Committee Comments on Salmon Methodology Review (Exhibit B.2.b, Supplemental SSC Report).

### **Agenda Order:**

- a. Agendum Overview
  - b. Scientific and Statistical Committee (SSC) Report
  - c. Reports and Comments of Advisory Bodies
  - d. Public Comment
  - e. **Council Action:** Consider and Approve Appropriate Methodology Changes to the KOHM and Coho FRAM
- Chuck Tracy  
Pete Lawson

PFMC  
2/21/02