

FINAL SCIENTIFIC AND STATISTICAL COMMITTEE METHODOLOGY REVIEW
RECOMMENDATIONS ON THE CHINOOK AND COHO FISHERY REGULATION ASSESSMENT
MODELS FOR 2003 SALMON MANAGEMENT

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.

At its September 2002 meeting, the Council directed the SSC to review the chinook Fishery Regulation Assessment Model (FRAM), which was proposed to be modified to accommodate analysis of mark-selective fisheries. In November 2002, the SSC's review of the revised chinook FRAM was not completed, pending some resolution of technical issues regarding interface of the FRAM with revised terminal area management modules (TAMMs). The Council gave tentative approval of the revised chinook FRAM for use in the 2003 management season contingent on satisfactory resolution of the technical issues in the interim.

At the September 2002 Council Meeting, the SSC identified another issue that would be ready for review by February 2003: breaking the coho FRAM September-December time step into separate September and October-December time strata. The Council directed the SSC to review this issue prior to the 2003 management season if the methodology was adequately developed.

The SSC Salmon Subcommittee and the Salmon Technical Team (STT) held a joint meeting on February 5, 2003 to complete review of the chinook and coho FRAM modifications, and to provide the STT with guidance on model selection for use in developing Preseason Report I. An update on the Pacific Salmon Commission Coho Technical Committee's Regional Coho Planning Model was also presented.

Based on the results of the February meeting, the STT employed the revised models in their analysis of 2002 fishery management measures using projected 2003 abundance estimates, and incorporated those results into Preseason Report I. If the Council does not approve the revised model(s) for use in the 2003 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 2003 salmon season.**
2. **Provide guidance as needed for any unresolved methodology issues.**

Reference Materials:

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

Agenda Order:

- a. Agendum Overview Chuck Tracy
- b. SSC Report Pete Lawson
- c. Reports and Comments of Advisory Bodies
- d. Public Comment
- e. **Council Action:** Consider Methodology Changes to the Chinook FRAM and Coho FRAM

PFMC
02/24/03