

2010 SALMON METHODOLOGY REVIEW

Each year, the Scientific and Statistical Committee (SSC) and Salmon Technical Team (STT) complete 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. The Methodology Review is also used as a forum to review updated stock conservation objective proposals. This review is preparatory to the Council's adoption, at the November meeting, of all anticipated methodology and conservation objective changes to be implemented in the coming season, or in certain limited cases, of providing directions for handling any unresolved methodology problems prior to the formulation of salmon management options in March. Because there is insufficient time to review new or modified methods at the March meeting, the Council may reject their use if they have not been approved the preceding November.

This year the SSC and STT are expected to report on factors affecting Fishery Regulation Assessment Model (FRAM) bias when there are multiple fisheries in the time step (Agenda Item F.5.a, Attachment 1), evaluation of bias-correction methods applicable to Coho FRAM (Agenda Item F.5.a, Attachment 2), Oregon coastal natural coho abundance predictor (Agenda Item F.5.a, Attachment 3), evaluation of indicator stock groups for Columbia River summer Chinook (Agenda Item F.5.a, Attachment 4), and a progress report on abundance based management approaches for Lower Columbia River natural tule Chinook (Agenda Item F.5.a, Supplemental Attachment 5).

Council Action:

- 1. Approve methodology changes as appropriate for implementation in the 2011 salmon season.**
- 2. Provide guidance, as needed, for any unresolved methodology issues.**

Reference Materials:

1. Agenda Item F.5.a, Attachment 1: Bias in the Estimation of Impacts of Simultaneous Mark-Selective and Non-selective Fisheries on Ocean Salmon-Sep 23 2010 Draft.
2. Agenda Item F.5.a, Attachment 2: Bias-corrected Estimates of Mortality in Mark-selective Fisheries for Coho Salmon.
3. Agenda Item F.5.a, Attachment 3: Forecast Models for Oregon Coastal Natural Coho Salmon (*Oncorhynchus kisutch*) Adult Recruitment.
4. Agenda Item F.5.a, Attachment 4: Salmon Methodology Review: Coded-Wire Tag Representation for Columbia River Summer Chinook in FRAM.
5. Agenda Item F.5.a, Supplemental Attachment 5: Progress Report on Abundance Based Management Approaches for Lower Columbia River Natural Tule Chinook.
6. Agenda Item H.1.b, Supplemental SSC Report.
7. Agenda Item H.1.b, Supplemental STT Report.

Agenda Order:

- a. Agenda Item Overview
- b. Reports and Comments of Advisory Bodies and Management Entities
- c. Public Comment
- d. **Council Action:** Adopt Final Methodology Changes for 2011

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PFMC
10/14/10