

FINAL METHODOLOGY REVIEW

Each year, the Scientific and Statistical Committee (SSC) and the Salmon Technical Team (STT) complete a methodology review to help assure that any new or significantly modified methods use the best available science to estimate impacts of the Council's salmon management. The methodology review is also used as a forum to review updated stock conservation objective proposals. The review is in preparation for 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 alternatives 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.

At its September 2019 meeting, the Council approved three items for this year's methodology review: (1) Conduct the technical analysis needed to inform a change of the salmon management boundary line from latitude 40° 05' (Horse Mountain, California) five miles north to latitude 40° 10', (2) Examine the data and models used to forecast impacts on Columbia River summer Chinook to determine whether a change in methodology is warranted, and (3) Provide documentation of the abundance forecast approach used for Willapa Bay natural coho. Also at the September meeting, the Model Evaluation Workgroup (MEW) indicated that an initial draft of the updated Chinook Fishery Regulation Assessment Model (FRAM) User Manual would soon be available.

Technical documents related to each topic of review were submitted to the SSC Salmon Subcommittee and the STT prior to the methodology review meeting (Agenda Item E.2, Attachments 1-3). In addition, the MEW submitted a report (Agenda Item E.2, Attachment 4) on updating the FRAM user manual.

The methodology review meeting of the SSC Salmon Subcommittee and the STT was held on October 22, 2019 via webinar. The results of the methodology review will be presented to the full SSC and the Council at the November Council meeting, where the Council is scheduled to approve new methodologies. Though not a technical subject requiring a methodology review, the group also took the opportunity to review and discuss the FRAM User Manual update report.

Council Action:

- 1. Approve new and modified methodologies and conservation objectives as appropriate.**
- 2. Provide guidance, as needed, for any unresolved methodology issues.**

Reference Materials:

1. Agenda Item E.2, Attachment 1: Potential Implications of moving the California Klamath Man agent Zone/Fort Bragg Salmon Fishery Management Line from Horse Mountain North to Latitude 40° 10'.

2. Agenda Item E.2, Attachment 2: Fishery Regulation Assessment Model (FRAM): Exploitation Rate Investigation for the Upper Columbia River Summer Chinook Stock.
3. Agenda Item E.2, Attachment 3: Willapa Bay Coho - Supporting Documentation of Abundance Forecasting Approach.
4. Agenda Item E.2, Attachment 4: Updating the Fishery Regulation Assessment Model (FRAM) User Manual.
5. If received, Public Comments are electronic only (see [e-portal](#)).

Agenda Order:

E.2 Final Methodology Review

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- a. Reports and Comments of Management Entities and Advisory Bodies
- b. Public Comment
- c. Council Action: Adopt Final Methodology Changes for 2020 and Beyond

PFMC
10/21/19