

SCIENTIFIC AND STATISTICAL COMMITTEE REPORT ON
SALMON REBUILDING PLAN UPDATE

Dr. Michael O'Farrell (National Marine Fisheries Service [NMFS] Southwest Fisheries Science Center [SWFSC]), along with other members of the Salmon Technical Team (STT), and Dr. Jim Seger (PFMC) joined the Scientific and Statistical Committee (SSC) to answer questions about the two Chinook salmon rebuilding plans (Agenda Item F.5, Attachments [1](#) and [2](#)).

The SSC discussion focused on the projection of future abundance (Section 4.6 and Appendix B in both documents) and on the economic analysis (Section 5 in both documents). Substantive changes in the projection of future abundance since the last SSC review include adding escapement data through 2018 and the inclusion of autocorrelation in the draws of abundance. Together, these changes resulted in a slightly more optimistic outlook for Klamath River Fall Chinook and a slightly more pessimistic outlook for Sacramento River Fall Chinook in terms of rebuilding time. The SSC appreciates the responsiveness of the STT to suggested model changes and supports the current analyses for both Chinook salmon rebuilding plans.

The SSC concurred with the advice of Dr. Seger that, with such potentially short time frames of rebuilding, the Council may be more interested in looking at the dispersion of economic impacts rather than the average over the rebuilding time. The SSC found the analysis appropriate for these rebuilding plans and had suggestions for some minor changes to the text, which were delivered directly to the STT.

The SSC endorses the future abundance projections and the economic analyses for the Klamath River Fall Chinook and Sacramento River Fall Chinook rebuilding plans, and plans to review the three coho rebuilding plans at the June meeting.

PFMC
04/12/19