

SALMON TECHNICAL TEAM REPORT ON SALMON REBUILDING PLAN UPDATE

Five draft salmon rebuilding plans were submitted for Council consideration at the March 2019 meeting. Two Chinook rebuilding plans, updated with new content, have been submitted for Council consideration here at the April 2019 meeting. Draft coho rebuilding plans have also been submitted for Council consideration at this meeting though these reports are unchanged from the March 2019 versions. We briefly describe the changes to the Chinook plans since the March meeting, and identify remaining work needed for timely completion of the Chinook and coho rebuilding plans.

Chinook

The draft rebuilding plan reports for Sacramento River fall Chinook (SRFC) and Klamath River fall Chinook (KRFC) include two substantial additions to the versions presented to the Council in March.

The first addition is the inclusion of model-based projected rebuilding times for each alternative rebuilding strategy. The model used to project rebuilding times has been modified from an earlier version presented to the Council (November 2018) based on recommendations provided by the Scientific and Statistical Committee (SSC). In particular, future abundance is simulated by taking draws from an abundance distribution accounting for autocorrelation in the abundance time series. Additionally, realized 2018 adult escapement estimates are now being incorporated into the three-year geometric mean calculation for assessing rebuilt status. Model documentation and additional results can be found in Appendix B of both rebuilding plans. Projected rebuilding times for SRFC and KRFC range from one to three years, depending on the stock and rebuilding alternative. The projected rebuilding time is defined in these reports as the number of years needed for the probability of achieving rebuilt status to meet or exceed 0.50. However, the Council has the discretion to recommend a probability threshold greater than 0.50 for defining rebuilding times. Table 4.6.a in both the SRFC and KRFC rebuilding plans provides the probability of achieving rebuilt status by year for each of the alternatives. The projected rebuilding times in the current draft rebuilding plans are similar to those projected in earlier drafts, which ranged from one to four years.

The second addition to both Chinook rebuilding plans is the socio-economic analysis (Section 5). This analysis provides estimates of the economic impacts associated with the alternative rebuilding strategies, based on the structure of each strategy, projected rebuilding times, and recent levels of economic activity.

The inclusion of the rebuilding time and socio-economic analyses filled what the Salmon Technical Team (STT) views as the last remaining gaps in the Chinook rebuilding plans.

Following the schedule approved by the Council at the March 2019 meeting, the Council could consider adopting these two Chinook plans as “drafts for public review” here at the April 2019 meeting, which would align with the potential adoption of the final Chinook plans at the June 2019 Meeting.

Coho

The three coho rebuilding plans currently do not include the rebuilding time or socio-economic analyses. The proposed model to evaluate rebuilding alternatives was distributed to the tribal and state co-managers and is under review. If there are no concerns, the STT plans to evaluate the coho management alternatives using the same model that was applied to the Chinook rebuilding plans. Some preliminary work is underway for the economic impact section of the plans. The rebuilding time and socio-economic analyses for these three coho plans will be completed by May 21, 2019 to meet the advanced Briefing Book deadline for the June 2019 Council meeting.

Future Work

2019 STT Extended Schedule for Developing Salmon Rebuilding Plans

Date	Task	Comments
Apr 13	Council considers draft plans	Council will consider the SSC report on the proposed model; and may adopt the Chinook rebuilding plans for public review
April 22	STT/managers work on plans	Based on Council direction and SSC input provided at April Mtg
May 20	Due - Drafts from managers to STT	
May 21	Due - Drafts from STT to PFMC	
May 23	Submit for June Council Meeting	June advanced briefing book deadline
June 18-25	June Council Meeting (San Diego)	Council adopts final Chinook rebuilding plans (tentative action); and adopts coho rebuilding plans for public review
Jun 26	STT/Co-managers work on plans	Based on Council direction provided at June Mtg
Aug 12	Due - Final drafts from managers to STT	
Aug 13	Due - Final drafts from STT to PFMC	
Aug 15	Submit for Sept Council Meeting	Sept. advanced briefing book deadline
Sep 11-18	Sept. Council Meeting (Boise)	Council adopts final coho rebuilding plans
Sep 18	Rebuilding plans are sent to NMFS	Sept. 18 is the due date to send the Chinook and coho rebuilding plans; no extensions

PFMC
04/12/19