

## SCIENTIFIC AND STATISTICAL COMMITTEE REPORT ON METHODOLOGY REVIEW PROCESS AND PRELIMINARY TOPIC SELECTION FOR 2013

The Scientific and Statistical Committee (SSC) met with the Salmon Technical Team (STT), the Model Evaluation Workgroup (MEW) and Mr. Mike Burner to discuss possible methodology review topics for 2013. The following items were identified for potential SSC review this fall. The lead entity for each work product is identified at the end of the item.

- Review performance of and develop alternatives to the Yaquina River marine survival rate index used in 2013 for the Oregon coastal natural (OCN) coho matrix control rule. (Oregon Department of Fish and Wildlife [ODFW])
- Evaluate alternative forecast methodologies for the Sacramento fall Chinook index. (STT)
- Develop Conservation Objectives, Annual Catch Limits, and Status Determination Criteria for Willapa Bay coho. (Washington Department of Fish and Wildlife. [WDFW], STT)
- Develop Lower Columbia natural (LCN) coho matrix control rules. (ODFW, WDFW)
- Develop Conservation Objectives for Southern Oregon coastal Chinook. (ODFW)
- Evaluate bias in coho mark rates in preseason forecasts and postseason estimates in mark-selective coho fisheries north of Cape Falcon. (MEW)
- Incorporate observed encounter rates of sub-legal Chinook into Fishery Regulation Assessment Model (FRAM) for fisheries outside of Puget Sound. (MEW)
- Review the user's manual for the Visual Studio version of FRAM. (MEW)
- Develop improved base period estimates of legal and sub-legal Chinook encounter rates by incorporating more recent information from coded-wire tag and genetic sampling into Chinook FRAM. (MEW)
- Explore incorporating the coho FRAM bias correction methods for mark-selective fisheries into Chinook FRAM. (MEW)

The SSC considers the first two items in this list to be most important for consideration relative to the 2014 salmon management process.

Feasibility of abundance-based management for California Coastal Chinook and Sacramento Winter Run Chinook were subject of a workshop on 8 April after the full SSC had adjourned. Two members of the SSC salmon subcommittee attended the workshop.

Based on information presented at the workshop, which is summarized NOAA-TM-NMFS-SWFSC-494 from the March 2013 Briefing Book (Agenda Item C.3.b, Supplemental Attachment 3), there are insufficient data available to implement abundance-based management for California Coastal Chinook at this time. Filling these data gaps should remain a Council priority.

The Sacramento Winter Run Chinook jeopardy standard currently includes a harvest control rule adopted by NMFS Southwest Region (SWR) in 2012. The SWR rule, along with a variety of alternative harvest control rules, was presented at the workshop. Components of the model used to evaluate these alternatives have been, or are in the process of being, peer reviewed and

published. Choice of a harvest control rule ultimately lies with the Southwest Region. The SSC sees no need for Council review of either California Coastal or Sacramento Winter Run methodologies at this time.

The SSC requires proper documentation and ample review time to make efficient use of the SSC Salmon Subcommittee's time. Materials for review should be submitted at least two weeks prior to the scheduled review meeting. Agencies should be responsible for ensuring that materials submitted to the SSC are technically sound, comprehensive, clearly documented, and identified by author.

PFMC  
04/10/13