

## SALMON METHODOLOGY REVIEW

Each year, the Scientific and Statistical Committee (SSC) completes 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. This review is preparatory to the Council's adoption, at the November meeting, of all proposed 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 the following 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 April 2004 meeting, the Council identified a list of potential subjects for the methodology review. These subjects are identified in a reminder letter sent out to the responsible agencies in July 2004, which requests agencies be prepared to speak to the status of the subjects in terms of completeness and priority (Agendum D.2.a, Attachment 1). All materials for review are to be received at the Council office at least three weeks prior to the scheduled review meeting of the SSC Salmon Subcommittee, which is likely to be in mid- to late-October.

### Council Action:

- 1. Determine whether or not it is likely methodologies identified for review will be ready for the SSC Salmon Subcommittee meeting in October.**
- 2. Set priorities for SSC review of methodologies.**

### Reference Materials:

1. Agendum D.2.a, Attachment 1: email to the agencies from Mr. Chuck Tracy dated July 28, 2004.

### Agenda Order:

- |  |              |
|--|--------------|
| a. Agendum Overview  | Chuck Tracy  |
| b. Agency and Tribal Reports and Comments  |              |
| c. Model Evaluation Workgroup Report   | Dell Simmons |
| d. Reports and Comments of Advisory Bodies   |              |
| e. Public Comment  |              |
| f. <b>Council Action:</b> Establish Final Prioritization and Schedule for Review of Salmon Methodology Changes for the 2005 Season |              |

PFMC  
8/28/04

**Subject:** Salmon Methodology Review**From:** Chuck Tracy <Chuck.Tracy@noaa.gov>**Date:** Wed, 28 Jul 2004 14:07:22 -0700**To:** Henry Yuen <henry\_yuen@fws.gov>, Doug Milward <Milwadam@dfw.wa.gov>, Dell Simmons <Dell.Simmons@noaa.gov>, Robert Kope <Robert.Kope@noaa.gov>, Gary Morishima <Morikog@aol.com>, Michael Mohr <Michael.Mohr@noaa.gov>, Chuck Tracy <Chuck.Tracy@noaa.gov>, Curt Melcher <Curt.Melcher@state.or.us>, Wendy Beeghley <BEEGHWLB@dfw.wa.gov>, Melodie Palmer-Zwahlen <mpalmer@dfg.ca.gov>, Allen Grover <agrover@dfg.ca.gov>, Craig Foster <Craig.A.Foster@state.or.us>, Eric Larson <el Larson@dfg.ca.gov>, Neal Coenen <neal.coenen@state.or.us>, Phil Anderson <anderpma@dfw.wa.gov>, Dell Simmons <Dell.Simmons@noaa.gov>, Curt Melcher <Curt.Melcher@state.or.us>, "Robert H. Conrad" <bconrad@nwifc.wa.gov>, Larrie LaVoy <LaVoyLWL@dfw.wa.gov>, Jim Packer <PackeJFP@dfw.wa.gov>, Allen Grover <agrover@dfg.ca.gov>, Andy Rankis <ARankis@nwifc.org>, Rishi Sharma <shar@critfc.org>, Kevin Hill <khill@ucsd.edu>, Peter Lawson <Peter.W.Lawson@noaa.gov>, "Robert H. Conrad" <bconrad@nwifc.wa.gov>, Jim Harp <Jeharp@aol.com>

Greetings all:

This is just a reminder that the Council will be establishing priorities for salmon methodology review by the SSC at the September Council meeting. The review itself usually occurs in mid- to late October.

A prioritized list of potential subjects was considered at the April Council Meeting (see below), and it will be useful to have updates on the priorities and whether some of the projects are suitably complete for review.

It is unlikely that the SSC will have time to review all the subjects this year, or that all will be ready for review. Please discuss these projects with appropriate parties and have recommendations ready for the September meeting.

- Chinook and coho Fishery Regulation Assessment Model (FRAM) documentation: An overview document for the chinook and coho FRAMs has been produced by the Model Evaluation Workgroup (MEW). The MEW plans to produce detailed technical documentation for each of the FRAMs. The SSC views this as the highest priority for the MEW during the coming year.
- Chinook FRAM for mark-selective fisheries: The Washington Department of Fish and Wildlife has modified the chinook FRAM to accommodate mark-selective fisheries. The SSC could not endorse chinook FRAM as a tool to evaluate mark-selective fisheries in 2003, but application of the model to estimate mark-selective fishery impacts should be reviewed if such fisheries are planned for 2005 and beyond. Model

documentation is a pre-requisite for this review. A limited mark-selective fishery for chinook was conducted in Washington Marine Catch Areas 5 and 6 in 2003. The results from this fishery, in comparison to FRAM predictions, may allow a limited empirical evaluation of the chinook FRAM for mark-selective fisheries.

- Chinook Rebuilding Exploitation Rate Analysis: An evaluation of rebuilding exploitation rates (RERs) for ESA-listed chinook stocks based on coded-wire tag (CWT) data in comparison to RERs based on chinook FRAM is projected to be completed by October 2004.
- Coho FRAM fisheries for Canadian stocks: The Coho Technical Committee of the Pacific Salmon Commission (PSC) has modified the coho FRAM to add fishery and stock strata for Canadian management. The SSC has reviewed an interim version of these changes.
- Oregon Department of Fish and Wildlife Oregon coastal natural (OCN) matrix: The Oregon Department of Fish and Wildlife is developing a technical appendix to the OCN Work Group matrix as recommended by the Council at its November 2000 meeting.
- Oregon Department of Fish and Wildlife management plan for Lower Columbia River coho salmon: The plan is based on new methods that are currently undergoing inter-agency review.
- Columbia River Fall chinook ocean abundance predictors: There has been some preliminary work on producing ocean run-size predictors for these stocks. The SSC will review these predictors when they have been fully developed and documented.
- OCN coho salmon prediction methodology: New predictors are in development. The SSC will review any proposals for change as requested.

--

Chuck Tracy  
 Pacific Fishery Management Council  
 7700 NE Ambassador Avenue, Suite 200  
 Portland, Oregon 97220  
 Phone: 503-820-2280 or toll free 866-806-7204  
 Fax: 503-820-2299  
 e-mail: [Chuck.Tracy@noaa.gov](mailto:Chuck.Tracy@noaa.gov)  
 url: [www.pcouncil.org](http://www.pcouncil.org)

<}}}}>< <}}}}>< <}}}}>< <}}}}>< <}}}}><