

UPDATE ON PACIFIC SALMON COMMISSION COHO
FISHERY REGULATORY ASSESSMENT MODEL
FOR 2004 SALMON MANAGEMENT

Situation: Under the salmon methodology review agenda at its November 2003 meeting, the Council recommended the Coho Fishery Regulatory Assessment Model (FRAM) data sets be further refined and error checked in the Pacific Salmon Commission (PSC) process before being implemented in 2004 Council area preseason planning. The Council recommended that if the states and tribes were satisfied with the technical modifications to the Coho FRAM and data sets for use in the Coho Technical Committee's Regional Coho Planning Model, no further review would be necessary by Council advisory bodies, and Council approval of the methodology would be implicit. The Council then directed the Salmon Technical Team (STT) to use the same version of the Coho FRAM and data sets as used by the PSC process for preseason planning of 2004 Council area fisheries.

The STT employed the revised Coho FRAM and data sets in their analysis of 2003 fishery management measures using projected 2004 abundance estimates and incorporated those results into Preseason Report I.

Council Task:

- 1. Discuss implications of modifications to the Coho FRAM and associated data sets.**
- 2. Provide guidance as needed for model implementation.**

Reference Materials:

1. Exhibit C.1.b, STT Report: Salmon Technical Team Comments on the Pacific Salmon Commission Regional Coho Planning Model.

Agenda Order:

- a. Agendum Overview
- b. Reports and Comments of Advisory Bodies
- c. Public Comment
- d. Council Discussion of PSC Coho FRAM Status for 2004

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PFMC
02/24/04

SALMON TECHNICAL TEAM COMMENTS ON THE
PACIFIC SALMON COMMISSION REGIONAL COHO PLANNING MODEL

In 2002, the Pacific Salmon Commission (PSC) reached agreement on a management regime that constrains total fishery exploitation rates on key management units of naturally spawning coho salmon originating in Southern British Columbia, Puget Sound, and the Washington Coast. The agreement calls for the PSC Coho Technical Committee (CoTC) to develop a regional coho fishery planning model for application beginning in 2004. The CoTC has agreed to use Coho Fishery Regulatory Assessment Model (FRAM) as the core for an initial version of the regional coho fishery planning model to provide a consistent basis for fishery planning for domestic planning processes in the United States and Canada. In January 2004, the CoTC reached agreement on a new 1986-1991 base period input file for use with Coho FRAM. The new base period file reflects recoveries from an expanded list of coded-wire tag (CWT) releases to represent production for Canadian management units, fishery strata configured to better fit Canada's needs, and corrections to errors discovered in the 1986-1991 base period input file employed by the Council in 2003. The CWT recovery data covers the period from 1986-1991 recovery years for all U.S. and Canadian coho management units, with the exception of Interior Fraser. The recovery period for the Interior Fraser management unit was limited to 1987-1991 because CWT marking and recovery programs were inadequate to provide reliable data for 1986. The data and methods for generating the new base period file have been reviewed by the Council's Model Evaluation Workgroup, Scientific and Statistical Committee, and Salmon Technical Team (STT). The STT believes the new base period file is appropriate for use in modeling Council area fisheries for 2004 and has used it for evaluation of 2003 regulations given 2004 abundance projections in Preseason Report I.

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