

FINAL REPORT: UPDATE COHO FRAM BASE PERIOD FOR MARK-
SELECTIVE FISHING YEARS (1998-2009)

September 2013

Oregon Department of Fish and Wildlife
Ocean Salmon and Columbia River Program
17330 SE Evelyn Street
Clackamas, Oregon 97015

For work conducted pursuant to
ODFW portions of Pacific Salmon Commission
Award Number SF-2010-I-21

Overview

To date, CWT-based cohort reconstructions of catch years 1986-1997 have been completed to assess fishery impacts to stocks and for possible inclusion in the Coho Fishery Regulation Assessment Model (FRAM) base period. Cohort analyses have not been completed for the most recent catch years (1998-2009) containing mark-selective fisheries. These analyses are needed to accurately assess fisheries under current regulations and will be completed using the updated suite of FRAM programs proposed for funding in 2010. This will complete the coho coastwide cohort analysis for all available catch years and will be used by the PSC Coho Technical Committee (CTC) for all coho assessment projects. In order to complete this task, an inter-agency cooperative project similar to the one employed for the current 1986-1997 catch year analyses was instituted. The data needs include marked and unmarked catch and escapements for all stocks and all fisheries; CWT associations by stock for the MSM analyses; development of new Canadian terminal area management modules (TAMM's) for the Fraser River, Strait of Georgia, and the West Coast Vancouver Island terminal fisheries; and estimation of preliminary production expansion factors (PEF's) to be used in the Mixed Stock Model (MSM) Bayesian analysis approach. The terminal run reconstruction (RRTERM) inputs and CWT associations for MSM will need to be developed for the base period project by consultation with regional biologists from each terminal area.

Objectives

The portion of this project conducted by ODFW involved collection and collating the available data sources for catch and escapement needed to update the FRAM. Each of these data items were split into marked and unmarked components.

Key Activities

The activities conducted by ODFW were data collection for coho directed fisheries. The fisheries included the recreational and commercial fisheries for the Oregon ocean catch areas and the Columbia River. Data were collected for both marked and unmarked retained and released catches by month.

Data collection included accessing ODFW databases to generate and print fishery sampling and catch reports, obtaining reports and files for fisheries from other biologists and agencies, and obtaining other fishery information. Numerous individual contacts were made to acquire and accurately assess the data. A list of data sources is included.

These activities met the project objectives and were completed and delivered to the principal investigator on schedule.

List of data sources and information contacts

Personal Communications

Doug Case, Jimmy Watts, Eric Schindler, Oregon Department of Fish and Wildlife.

Wendy Beeghley, Washington Department of Fish and Wildlife.

Data Sources

Recreational and commercial salmon fisheries sampling data and information, Oregon Department of Fish and Wildlife database.

Reports

Monitoring Results from the 1998 Ocean and Buoy 10 Recreational Selective Fisheries. Oregon Department of Fish and Wildlife, Washington Department of Fish and Wildlife, March 1999.

Summary of Monitoring Results from the 1999 Buoy 10 and Columbia River Area Ocean Selective Fisheries. Oregon Department of Fish and Wildlife, Washington Department of Fish and Wildlife, March 2000.

Summary of Monitoring Results from the 2000 Buoy 10 and Columbia River Area Ocean Selective Fisheries. Oregon Department of Fish and Wildlife, Washington Department of Fish and Wildlife, March 2001.

Progress Report for 2003 Chinook Encounter Study. Washington Department of Fish and Wildlife, 2004.

Progress Report for 2004 Chinook Encounter Study. Washington Department of Fish and Wildlife, 2005.

Progress Report for 2005 Chinook Encounter Study. Washington Department of Fish and Wildlife, 2006.

Progress Report for 2006 Chinook Encounter Study. Washington Department of Fish and Wildlife, 2007.

Progress Report for 2007 Chinook Encounter Study. Washington Department of Fish and Wildlife, 2008.

2008 Ocean Selective Fishery Sampling Report. Washington Department of Fish and Wildlife, 2009.

2009 Ocean Selective Fishery Sampling Report. Washington Department of Fish and Wildlife, 2010.