NPFMC Salmon Bycatch Workshop

# Overview

The North Pacific Fishery Management Council (NPFMC) will be hosting a public workshop on salmon bycatch genetics issues in the Gulf of Alaska (GOA) and Bering Sea and Aleutian Island (BSAI) groundfish fisheries on April 15-16, 2019 at the Alaska Fisheries Science Center in Seattle, WA. The purpose of the workshop is to facilitate feedback on how stock composition reports can be improved to better inform industry bycatch avoidance efforts. The workshop will also facilitate development of the appropriate spatial and temporal resolution of stock identification, and other associated analyses that could be used by stakeholders to minimize salmon bycatch. The Council will be provided a summary report of results from the workshop in June 2019.

**Details**

Date: April 15-16, 2019

Location: Traynor Room, Alaska Fisheries Science Center, Seattle, WA  
Duration: 1.5 days  
Scope: Information needs for Chinook and chum salmon PSC

***Please Note:*** The Alaska Fisheries Science Center (AFSC) is a Federal facility and access is restricted by security to individuals with appropriate identification.  U.S. Driver’s licenses are accepted for admittance to the AFSC only if they are “Real ID” compliant. Alternative identification, such as a passport, is required if a license is not “Real ID” compliant. For more information on license compliance see <http://www.dhs.gov/real-id-public-faqs>.

WEBEX information is listed on: <https://meetings.npfmc.org/Meeting/Details/603>

## Agenda

## Note:

## Lead presenter in parentheses, additional collaborators may also present during agenda item;

## Each session will include facilitated discussion after the presentation at the discretion of the Chair

Monday, April 15

9:00 a.m. 1 **Review of agenda and workshop format** – Jim Ianelli (Workshop Chair)

9:15 a.m. 2. **State of knowledge**

* + 1. NPFMC programs and actions on salmon bycatch and industry efforts in BSAI and GOA groundfish fisheries –Diana Stram
    2. North Pacific Groundfish Observer Program Sampling Design and Methods: (Jennifer Cahalan)

*Overview of the NPGOP sampling design including integration of electronic monitoring and highlighting aspects of sampling tailored to meet data collection needs for PSC species.*

* + 1. Primer on Genetic Mixed Stock Analysis (Chris Habicht)
    2. Chinook Salmon Bycatch Genetic Stock Composition: Current Capabilities and Analyses(Chuck Guthrie lead)

*Chinook salmon: Description of genetic stock identification (GSI) of bycatch, NPFMC stock composition update. Data sources for BSAI and GOA. Hatchery production summary.*

10:30 a.m. *Break (15 mins)*

* + 1. Chum Salmon Bycatch Genetic Stock Composition: Current Capabilities and Analyses (Chris Kondzela)

*Chum salmon: Description of GSI of bycatch, NPFMC stock composition update. Data sources for BSAI and GOA. Hatchery production summary.*

11:15 a.m. 3. **Developing capabilities**

* + 1. Looking for better ways to use genetic data to avoid critical Chinook salmon stocks in groundfish fisheries: A partnership of science and industry (Sara Gilk-Baumer)
    2. Looking for better ways to use genetic data to avoid critical chum salmon stocks in groundfish fisheries: A partnership of science and industry (Chris Kondzela)

*Chum genetics: Update on current work and possibilities for future efforts/timing*

* + 1. What else might be possible? (Chris Habicht and Jordan Watson)

12:00 p.m. *Lunch (90 minutes)*

1:30 p.m. Resume #3 **Developing capabilities**

* + 1. Use of tags, thermal marks, and scales to determine origin and age of salmon (Dion Oxman)
    2. Alternatives for updating AEQ analysis and prioritizing data needs (Jim Ianelli)
    3. Biology, behavior, and bycatch reduction devices: conservation engineering approaches to salmon bycatch mitigation (Noelle Yochum)

2:30 p.m 4. **Facilitated discussion: What can we do to improve our estimates of GSI and what potential changes we can make to best respond to stakeholder needs?**

Discussion to identify challenges, generate ideas and begin to develop possible solutions to address needs from of industry and other stakeholders. We intend to build upon an initial list of stakeholder requests and to prioritize the information needs, current capacity to address and/or capacity building needs to move forward. This discussion should set the stage for Day 2 follow-up. *There will be a mid-afternoon break scheduled at the discretion of the Chair.*

5:00pm Adjourn for Day 1

Tuesday, April 16

8:30 a.m. 6 **Day 1 recap** (Jim Ianelli)

8:45 a.m. 7 **Designing methods to get answers** (Facilitated discussion with all)

* + 1. What can be answered with the current design and are changes needed?
    2. Refining the questions to answer and/or information necessary moving forward
    3. Revising sampling design and discussion of observer coverage levels needed to meet stakeholder and Council objectives.

10:00 a.m. *Break (15 minutes)*

* + 1. Data acquisition and access

11:00 a.m. 8 Next Steps and Recommendations

12:00 p.m. Adjourn Workshop

*1:00pm-5:00pm Work session for report drafters*