

Agenda  
Alaska Hatchery Research Project Informational Meeting  
Anchorage Sheraton  
March 7, 2019  
**Kuskokwim Room**  
8:30 AM to 5:00 PM

Introductions

- 8:30** Science Panel Members  
Contractors: Prince William Sound Science Center and Sitka Sound Science Center  
Alaska Department of Fish and Game

Introduction to AHRP

- 8:40** Background to the AHRP
- 8:50** Priority research questions
1. What is the genetic stock structure of pink and chum salmon in each region?
  2. What is the extent and annual variability in straying of hatchery pink salmon in Prince William Sound (PWS) and chum salmon in PWS and Southeast Alaska (SEAK)?
  3. What is the impact on fitness (productivity) of wild pink and chum salmon stocks due to straying of hatchery pink and chum salmon?
- 9:20** Funding/Budget
- Primary funding sources
- State of Alaska
  - Private non-profit hatchery operators
  - Processors
- Proposals submitted for outside funding
- Northern Fund
  - North Pacific Research Board
  - Saltonstall-Kennedy

Question 1: What is the genetic stock structure of pink and chum salmon in each region?

**9:30** Population structure: chum salmon in SEAK

**9:45** Population structure: pink salmon in PWS

Break            **10:00** 10-minute break

Question 2: What is the extent and annual variability in straying of hatchery pink salmon in Prince William Sound (PWS) and chum salmon in PWS and Southeast Alaska (SEAK)?

**10:10** Proportion of pink in wild stock systems by district and year; and for the entire PWS

**10:30** Proportion of chum in wild stock systems by district and year; and for the entire PWS

**10:45** Proportion of chum in wild stock systems by geographic area in SEAK

Question 3: What is the impact on fitness (productivity) of wild pink and chum salmon stocks due to straying of hatchery pink and chum salmon?

*PWS wild pink salmon productivity (2013-15)*

**11:00** PWS ocean sampling, overall estimates of run sizes in PWS, estimated harvest rates

1<sup>st</sup> Public Comment and Discussion Session

**11:30** Comments

Lunch Break **12:00 – 1:15** Lunch (not provided)

*Fitness Studies – Alevin field sampling*

**1:15** Chum salmon in Southeast (Fish Creek) & pinks in PWS (Stockdale Creek)

*Fitness Studies – PWS Pink Salmon*

**1:25** Progress on genetic markers

**1:30** Pedigree sampling

**1:45** Pink salmon pedigree analyses and remaining work

*Fitness Studies – SEAK Chum Salmon*

**2:05** Progress on genetic markers

**2:10** Pedigree sampling

**2:25** Chum salmon pedigree analyses and remaining work

Communication of Research

**2:30** Timeline for publications and presentations

**Conclusion of AHRP-funded analyses**

Break **2:35** 15-minute break

Department Framework for Interpretation of Results

**2:50** Mechanisms

**3:10** Simulations, modeling, and hypothesis testing using available data

**3:20** Risk assessment

Ancillary or Separately-Funded Research

**3:30 – 4:30** Selected completed and ongoing projects

2<sup>nd</sup> Public comment session and wrap-up

**4:30** Discussion

**5:00** Meeting end