

Prince William Sound Commercial Salmon Management Overview

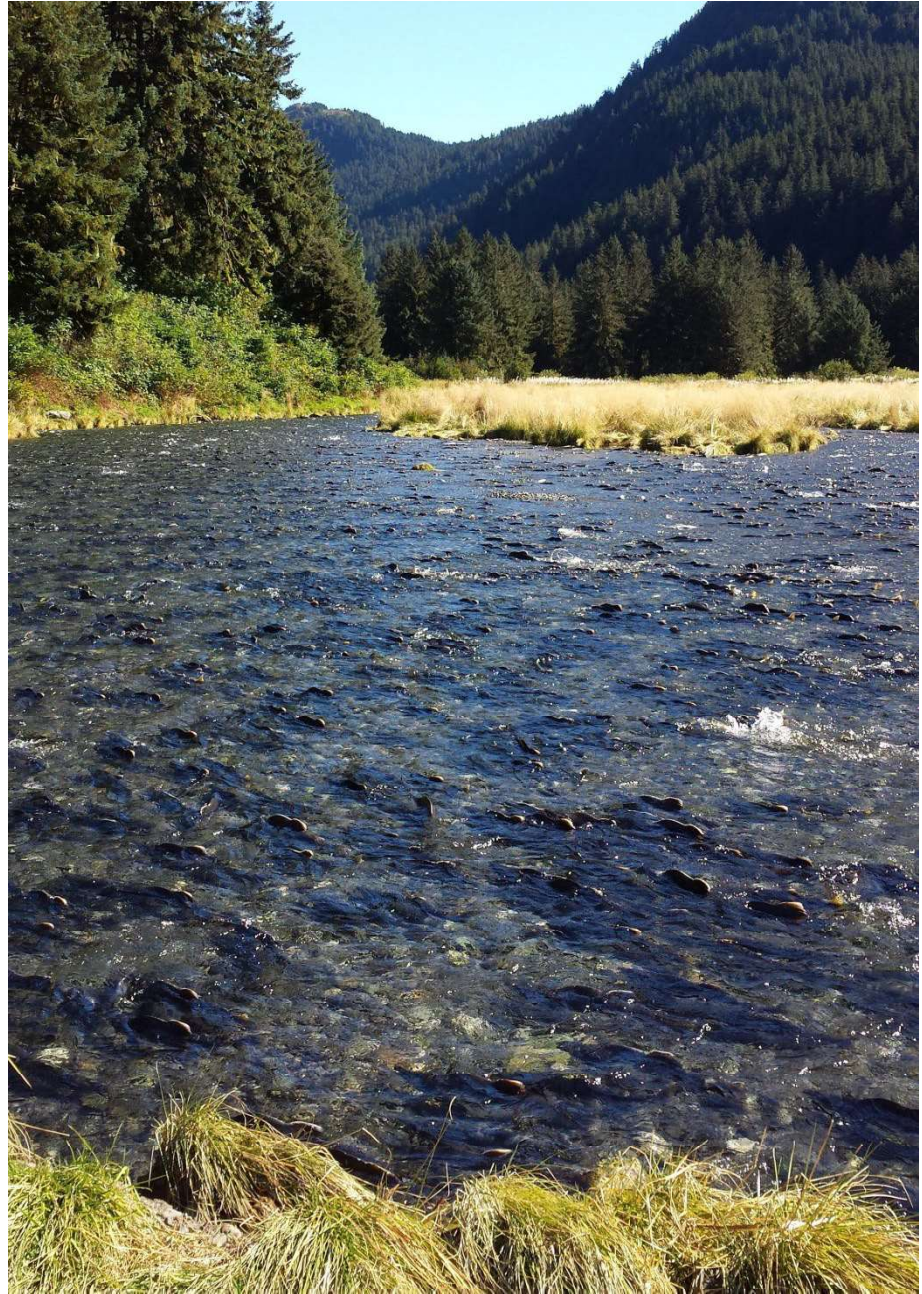


A Report to the Alaska Board
of Fisheries; December 2024
Division of Commercial Fisheries

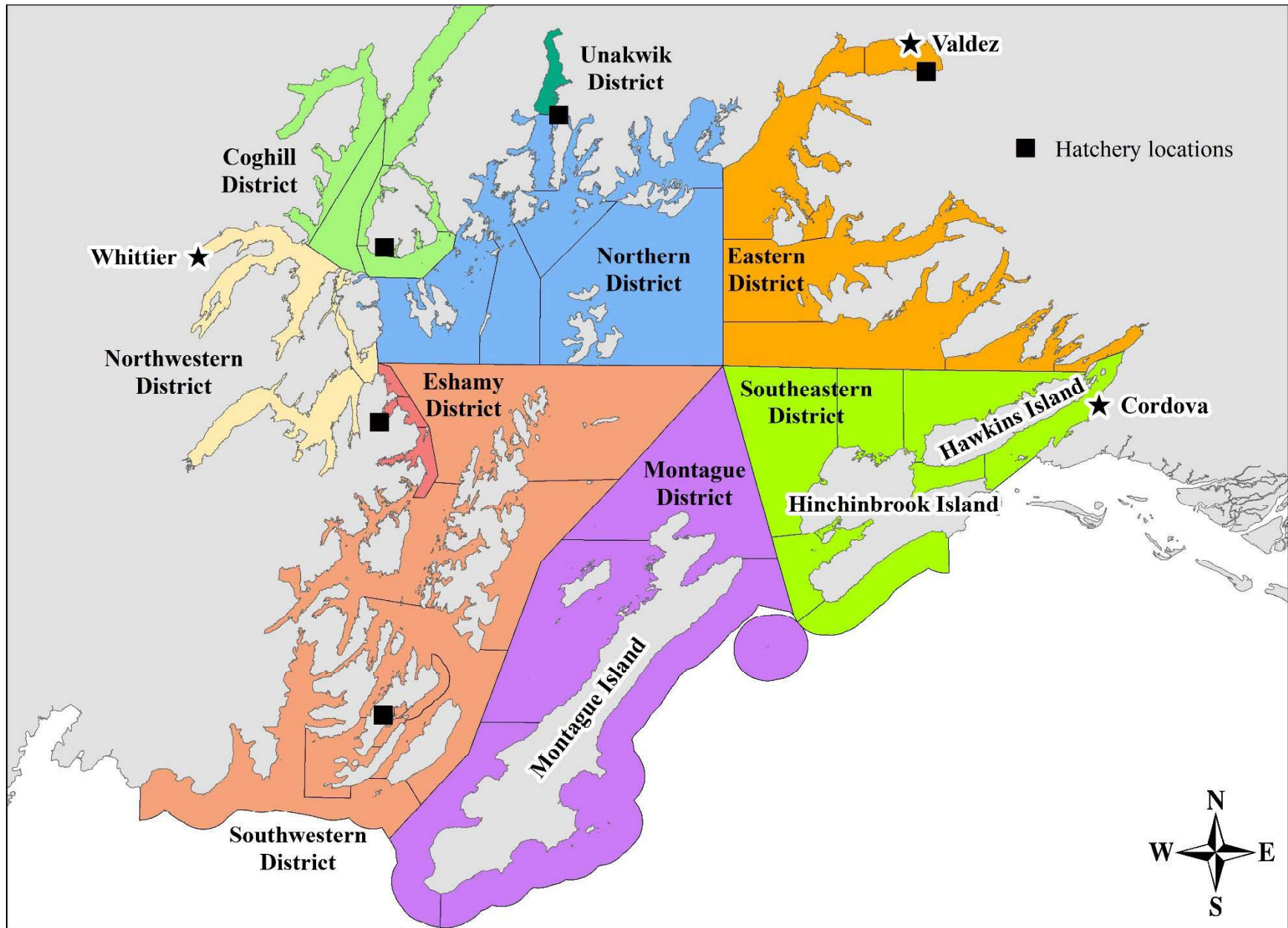
Heather Scannell
Oral Report: RC 3; Tab 11
Written Report: RC 3; Tab 3

Presentation Outline

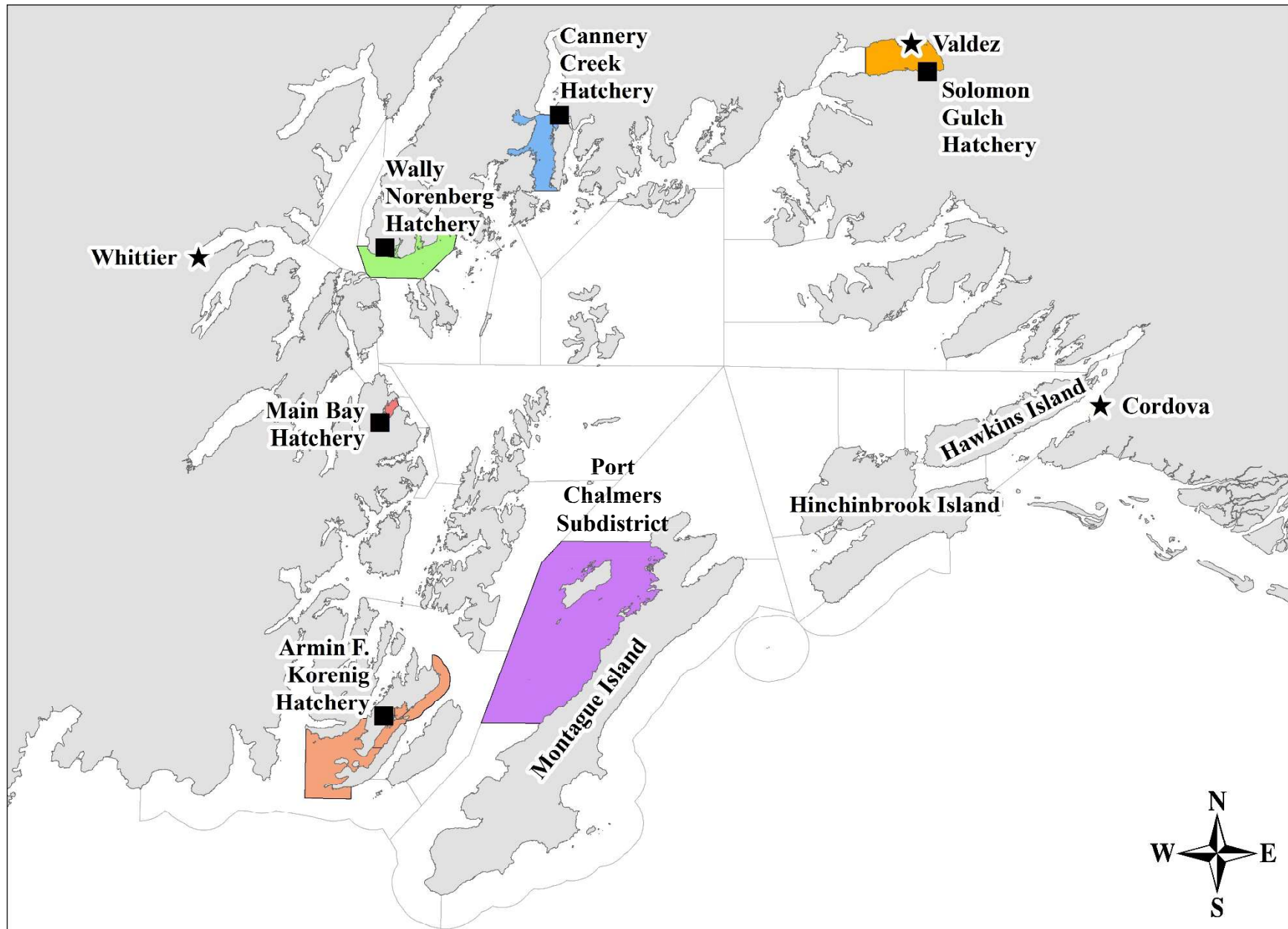
- PWS Overview
- PWS Salmon Management
- Fisheries Assessment Tools
- 2021-2024 Season Summaries



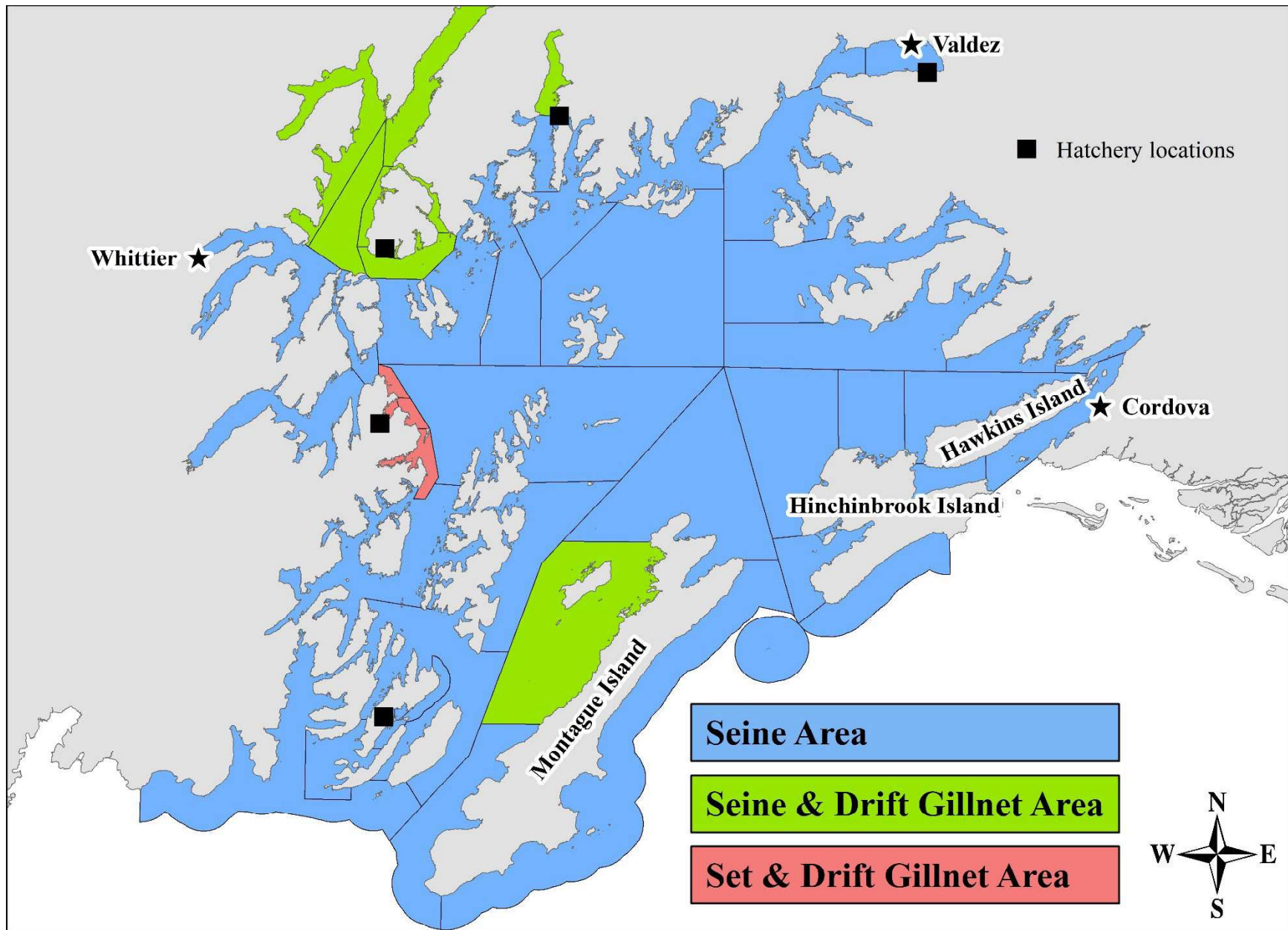
PWS Salmon Districts



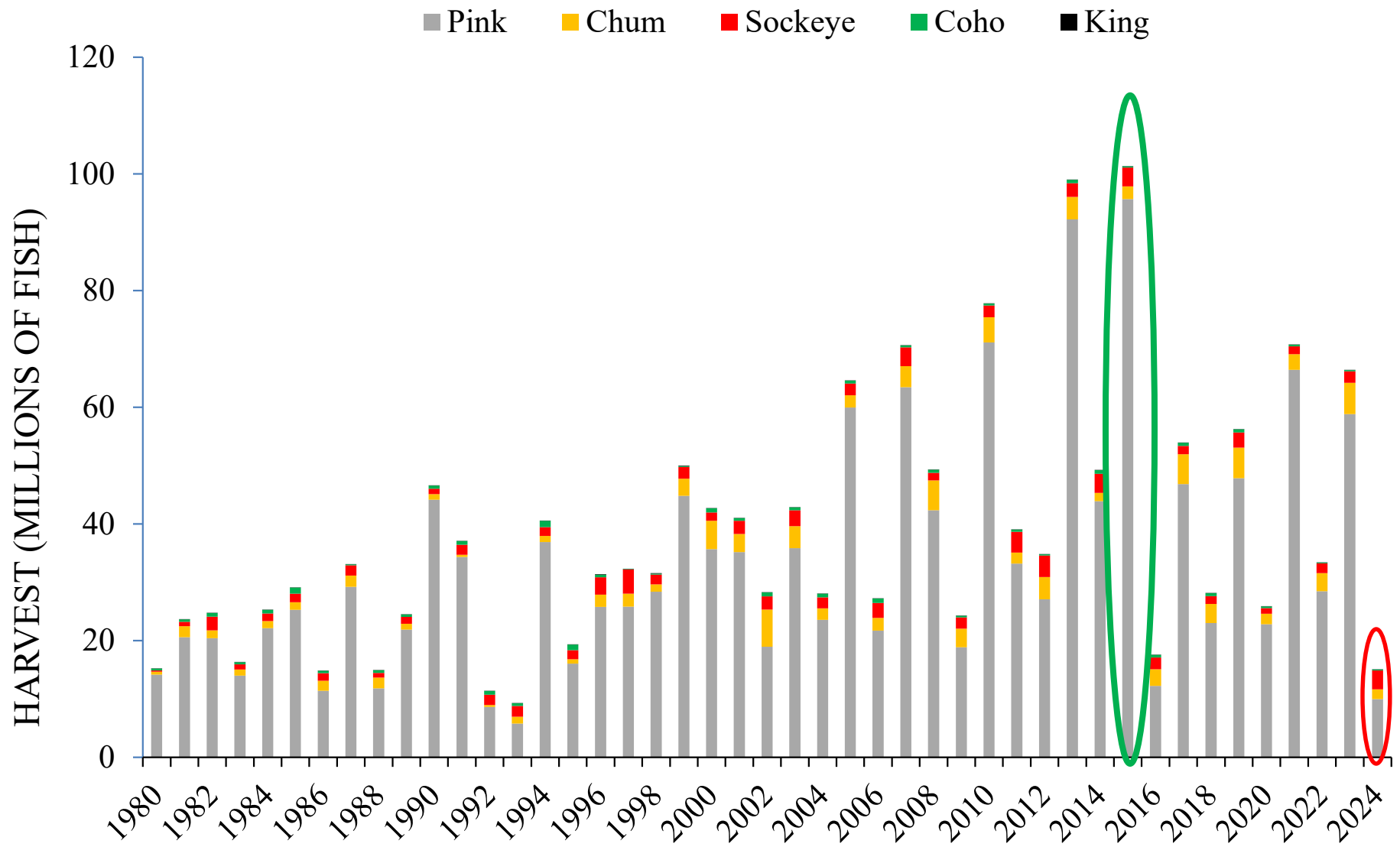
PWS Hatcheries and Subdistricts



Purse Seine and Drift/Set Gillnet Areas of PWS

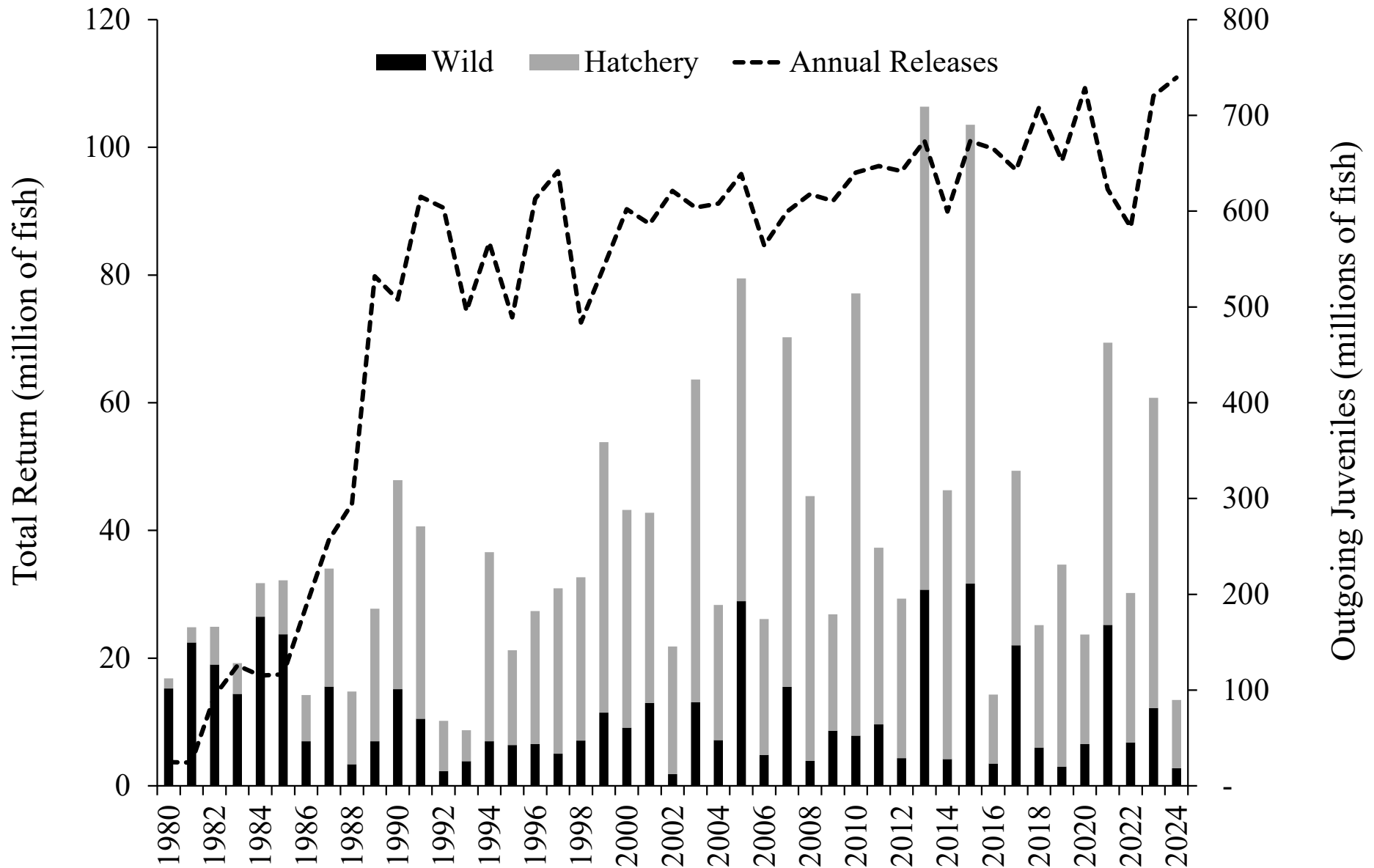


PWS Commercial Salmon Harvests 1980-2024



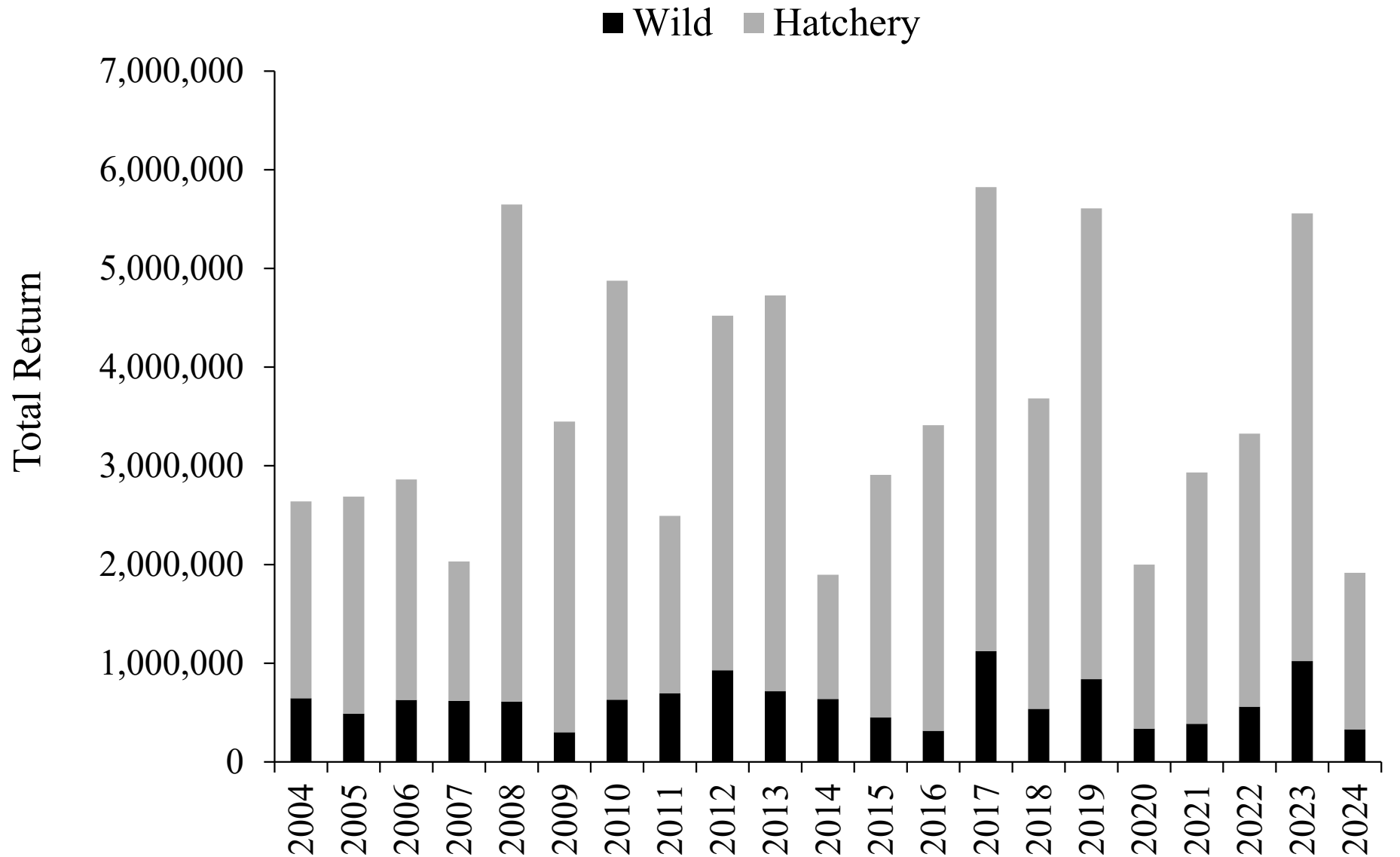
Pink Salmon Stock Composition

1980-2024

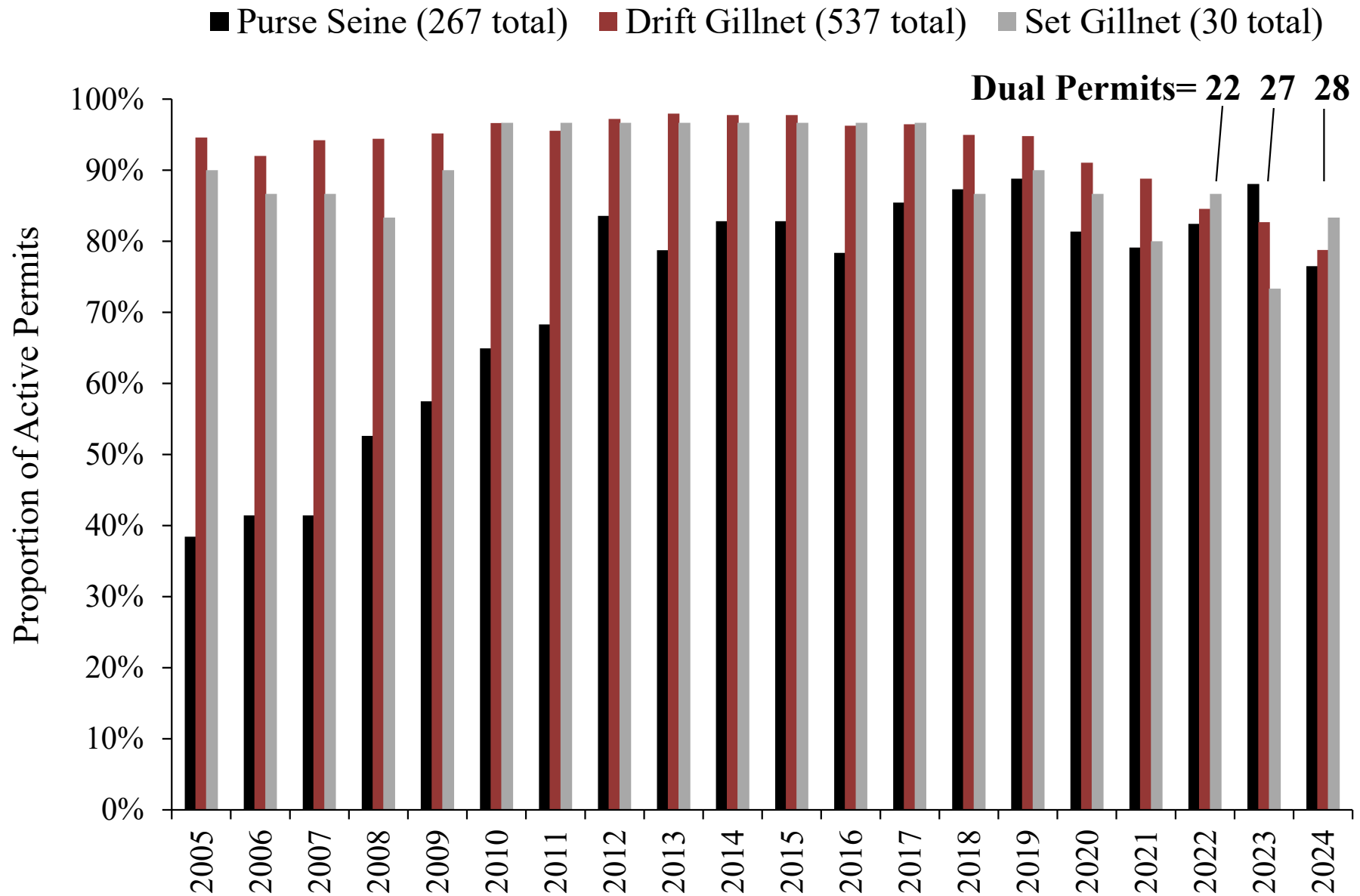


Chum Salmon Stock Composition

2004-2024



Permits Fished (2005-2024)



PWS Fisheries Management

- Time and area to ensure:
 - Wild stock escapement
 - Hatchery cost recovery and broodstock
 - Daily recommendations from hatchery operators
 - Hatchery subdistricts, THAs and SHAs
 - Fleet focused on surplus
 - Fish quality
 - Disperse effort



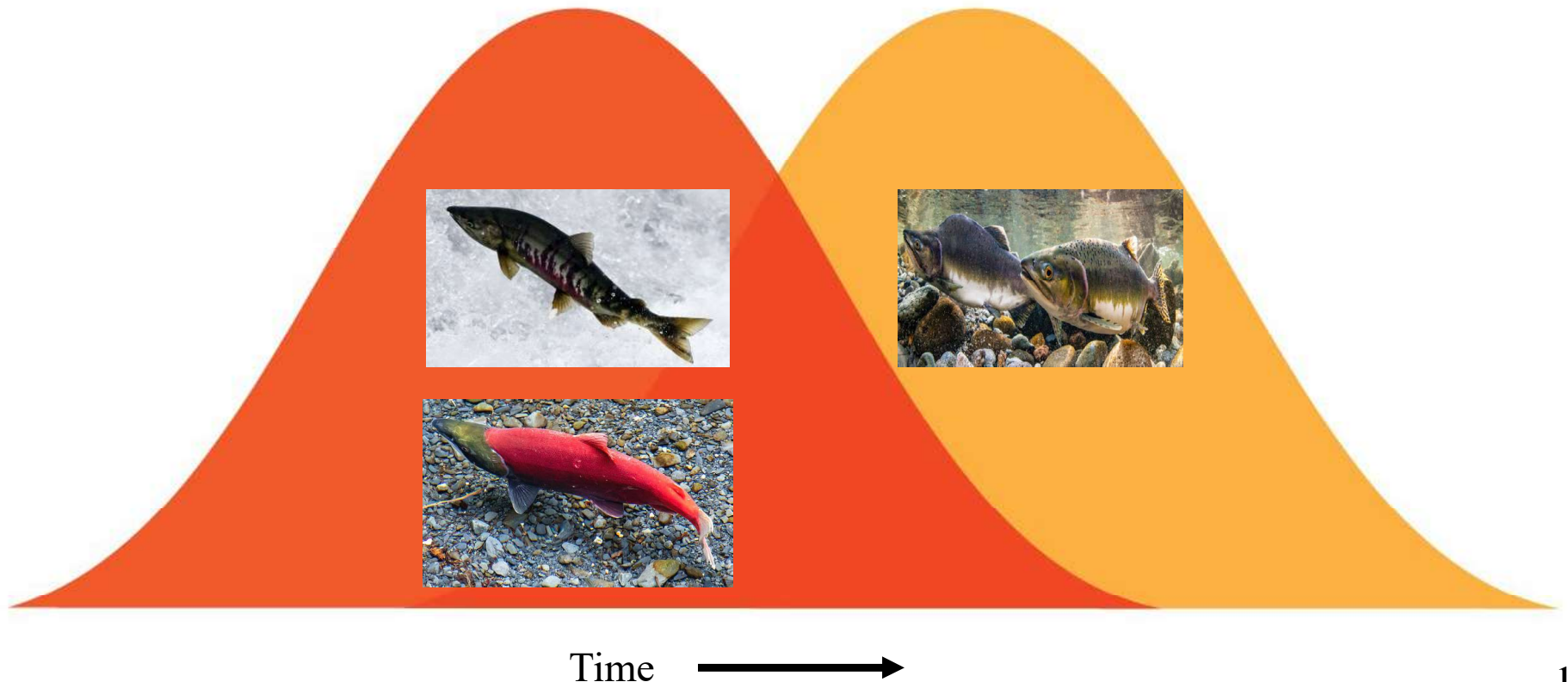
Prince William Sound Management and Allocation Plan

- Reduce conflict by providing a fair & reasonable allocation of the harvest of enhanced salmon among 3 gear groups.
- Maintain historical balances among user groups while acknowledging developments that have occurred since implementation (1991).

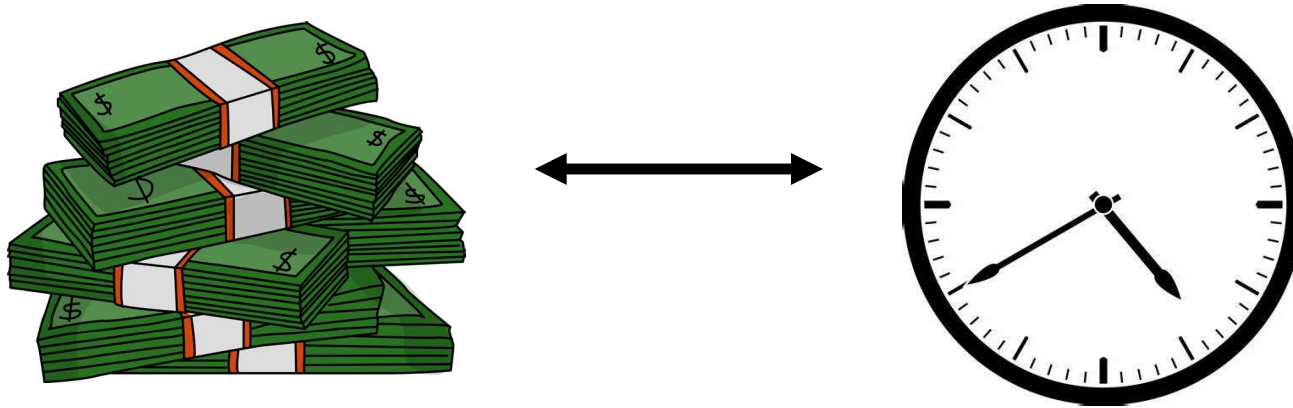


Prince William Sound Management and Allocation Plan: Mechanisms

- Time and area restrictions consistent with fish species and gear group.



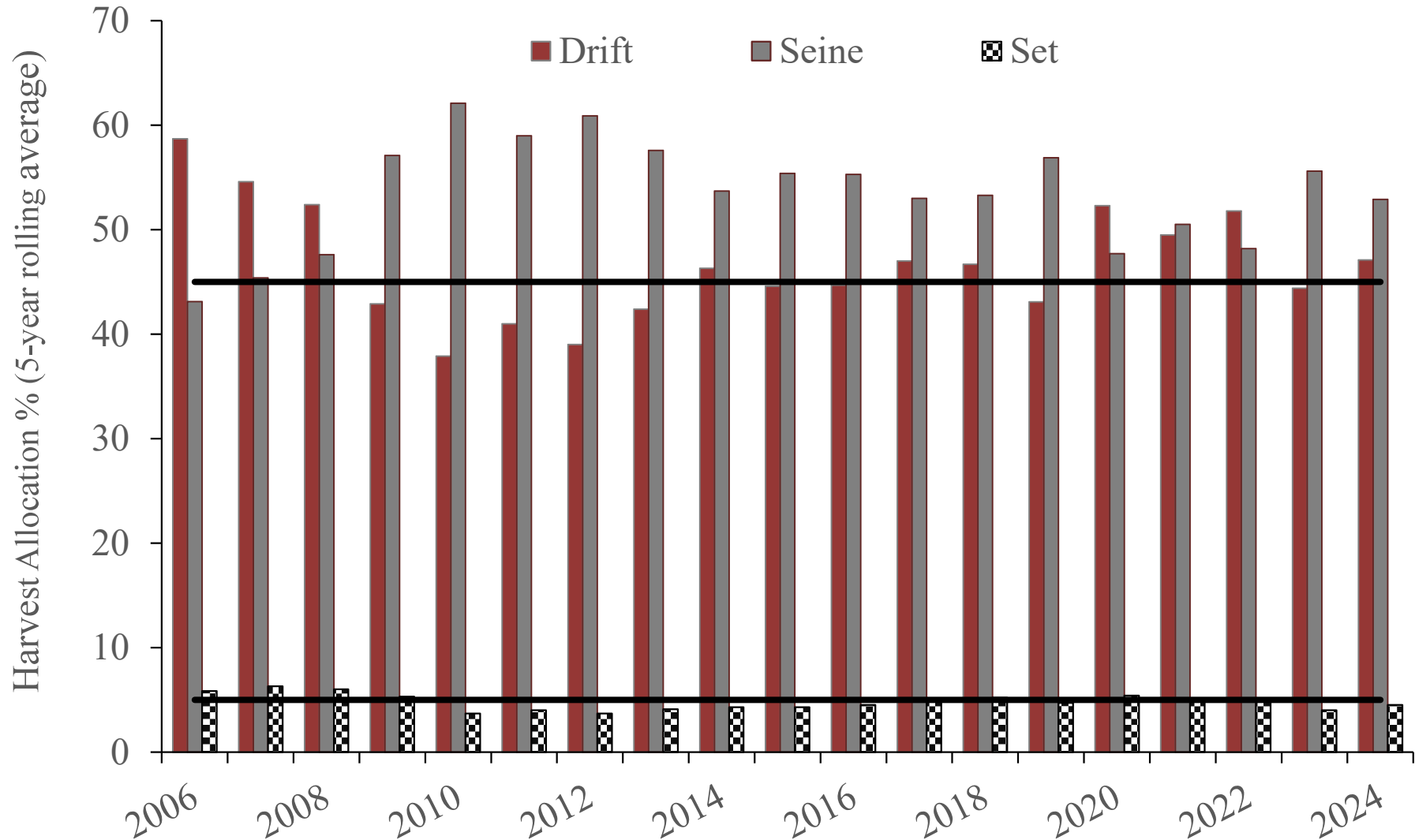
Prince William Sound Management and Allocation Plan: Mechanisms



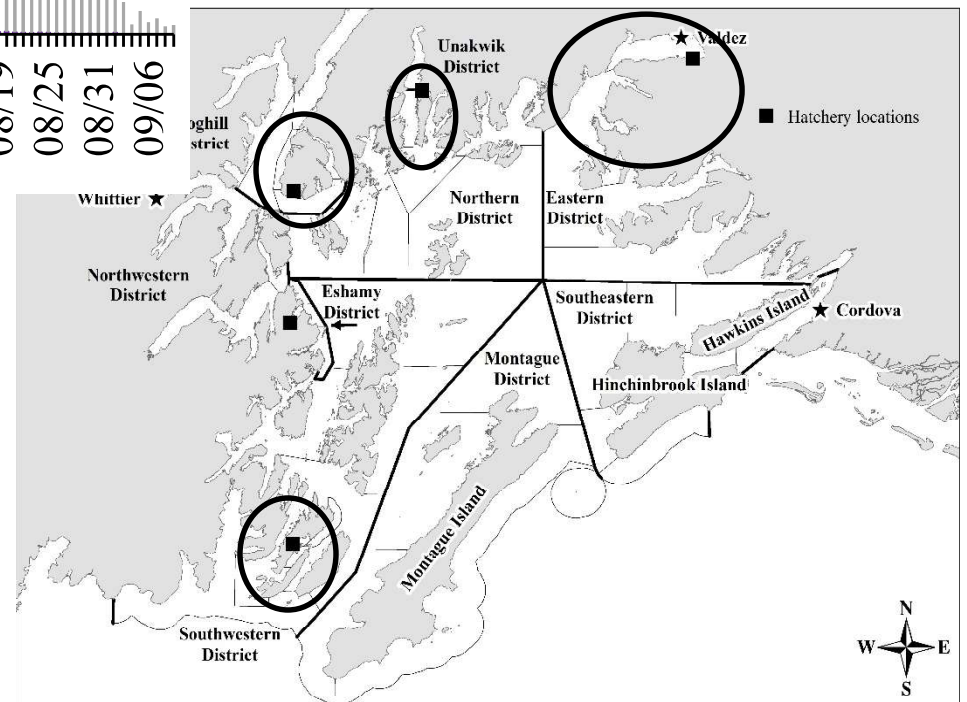
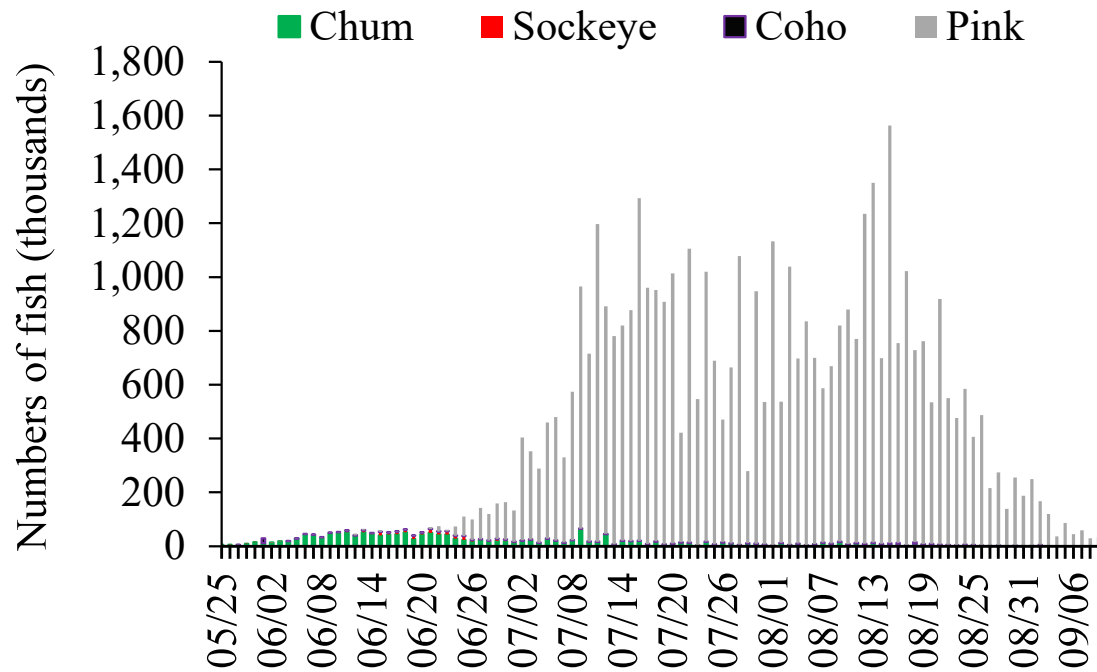
- Exclusive access to specific enhanced salmon stocks based on harvest value inequity.
 - Port Chalmers (drift gillnet) – Esther Subdistrict (purse seine).
 - Set and drift gillnet inequity in Eshamy District is mitigated via time restrictions.

Allocation Calculation

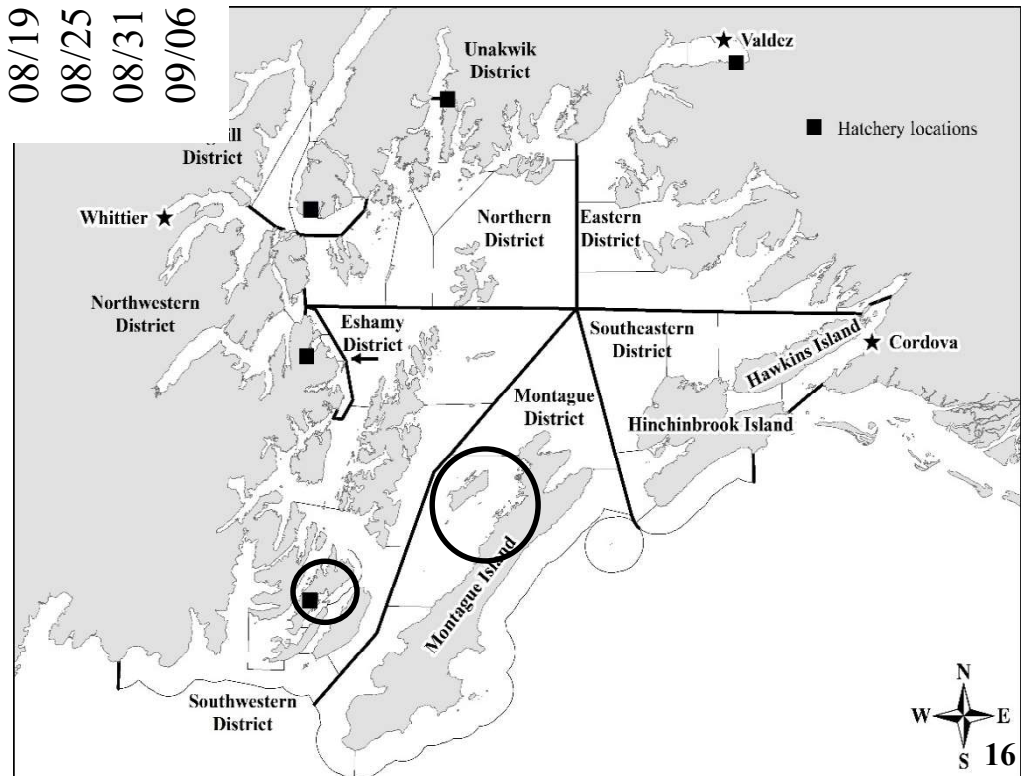
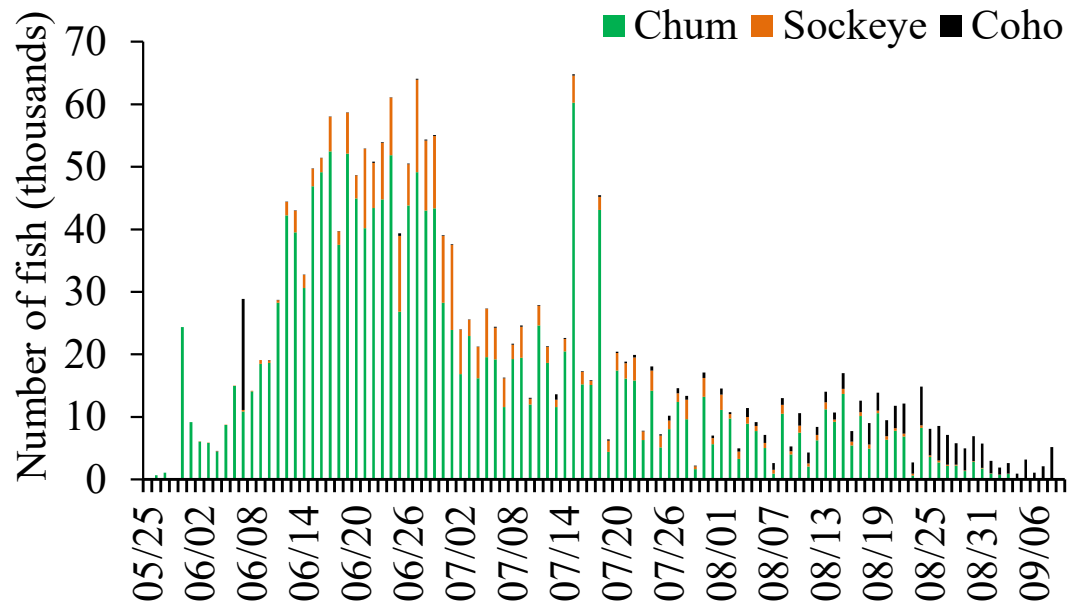
Reminder: Only PWSAC stocks are used in the calculation, wild stocks, including the Copper and Bering River Districts, and VFDA stocks are not included. Calculation uses a 5-year rolling average with adjustments made the year following the calculation.



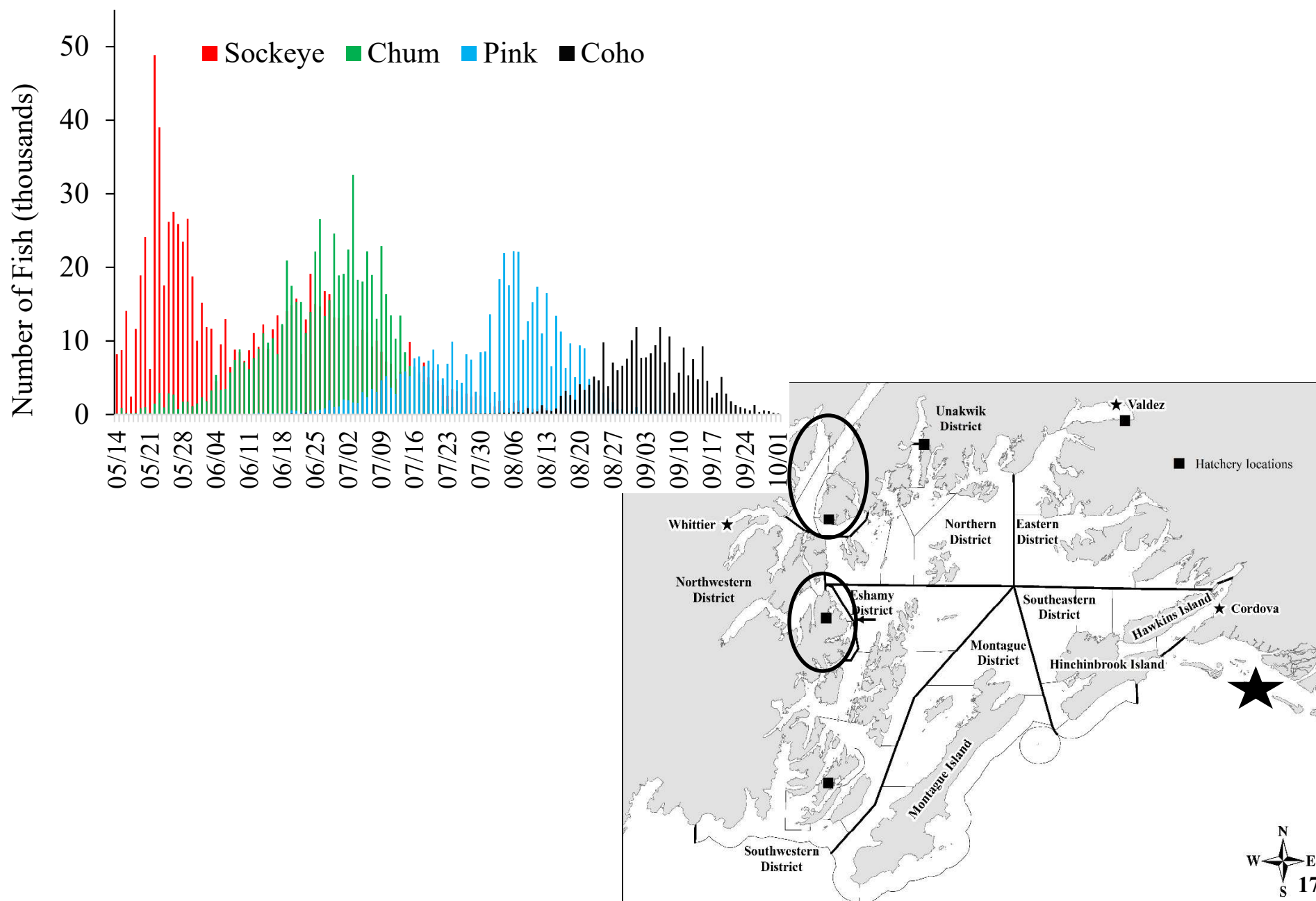
PWS Purse Seine Harvest Patterns



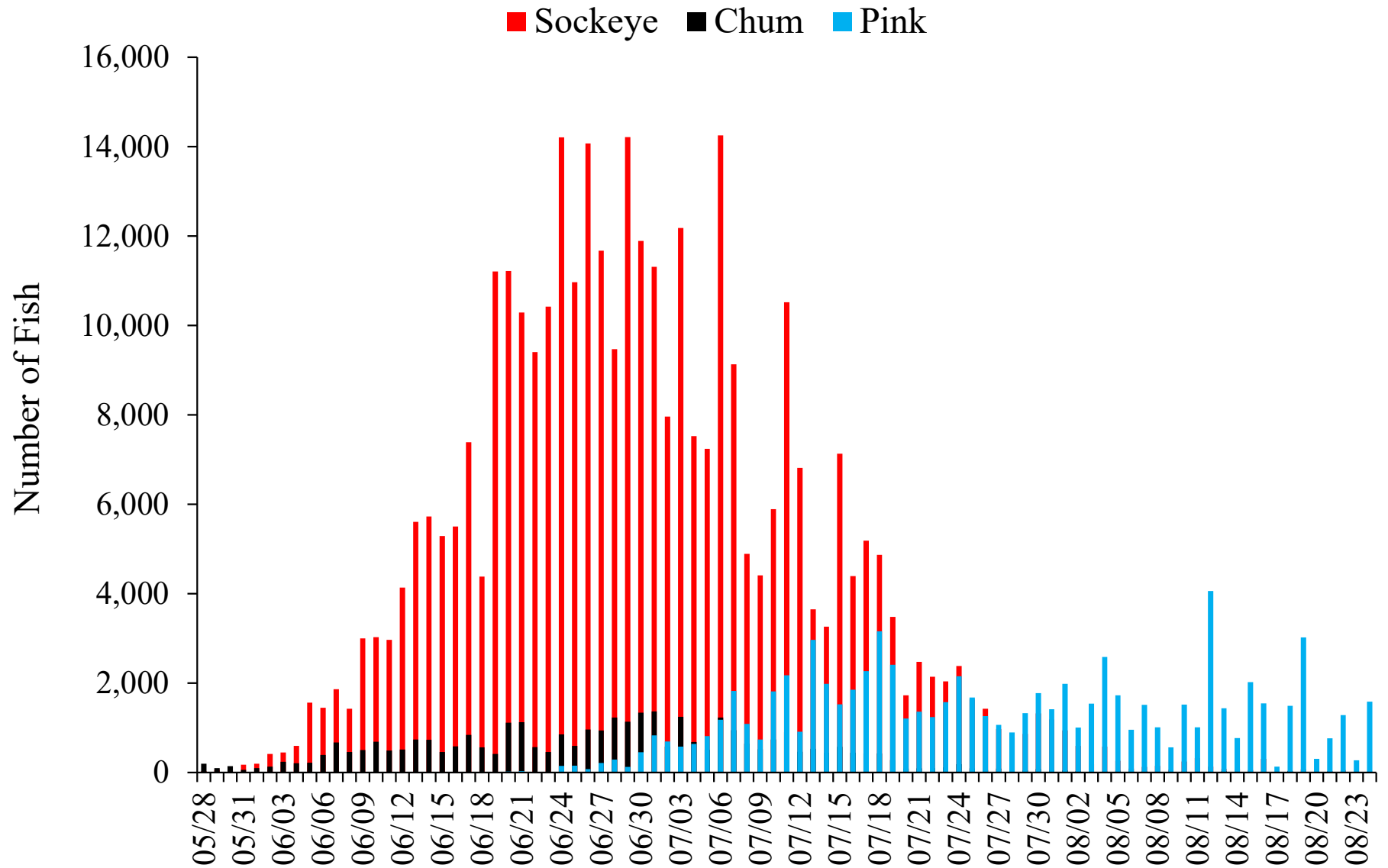
PWS Purse Seine Harvest Patterns (2014-2024)



PWS Drift Gill Net Harvest Patterns (2014-2024)



PWS Set Gillnet Harvest Patterns (2014-2024)



Fishery Assessment Tools

- Escapement Monitoring
 - Coghill and Eshamy weirs & aerial surveys
- Sampling for Age, Sex, Length
- Otolith recovery for composition of harvest
- Daily harvest reporting



FISH & GAME
ALASKA DEPARTMENT OF FISH & GAME
GENERAL SALMON TICKET

DO NOT WRITE IN THIS SPACE

ADF&G Amended Ticket
Initial or Sign **A11 094655**

ADF&G NO.
12345

Vessel Name **F/V Compass Rose**

Fishery **SALMON DRIFT PWS**

Name **JANE FISHER**

Permit Number **S03E 54321 K 12345**

2101 V 98765 G 80

Tender ADF&G No. 76543

Date Landed **06/17/21** Date Caught **06/17/21**

Proc. Code **F12233 7 2021**

Company **ALASKA CANNERY CO**

Area Caught **Port Wells**
(Nearest bay or headland)

STATISTICAL AREA
Stat. Area **223-12** %

Salmon - Deliv. Code is required. See Ticket Book Cover for instructions.						
SPECIES	CODE	DELIV. CODE	NO. OF FISH	POUNDS	PRICE	AMOUNT
Kings	410	03	1	12		
Reds	420	03	27	162		
Cohos	430					
Pinks	440	03	274	1,127		
Chums	450					
Salmon Roe and Other Species - Species Code and Deliv. Code required.						



Aerial Survey Program

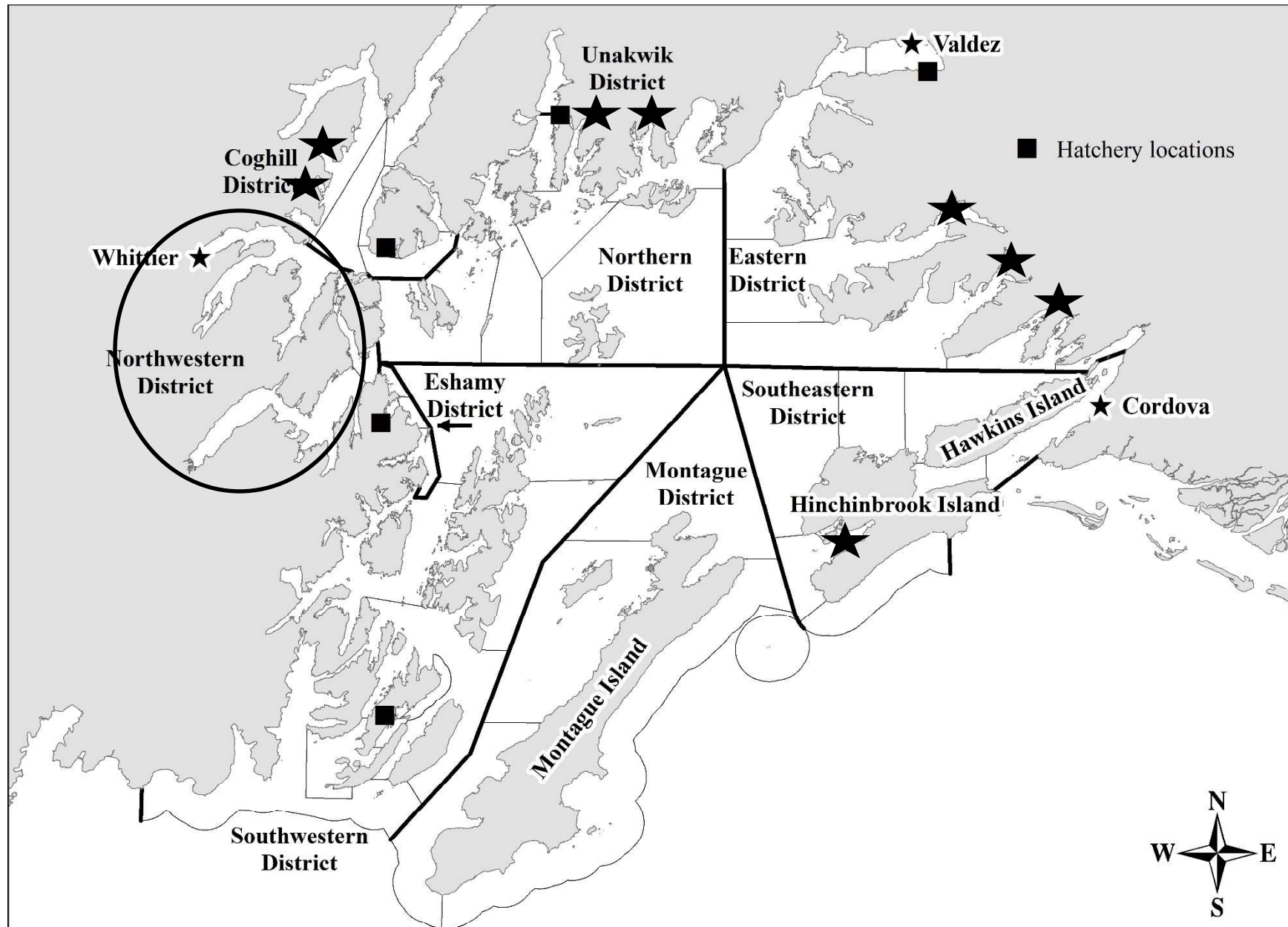
- Primary inseason assessment for wild pink and chum salmon management.
- Districts are flown weekly to monitor escapements and identify surplus and how to target that surplus.

Actual Daily					Anticipated Daily			
Location	Bay	Mouth	Stream	Combination	Bay	Mouth	Stream	Combination
Orca Inlet	200	3,750	29,950	33,900	1,172	1,626	6,765	9,563
Simpson Bay	99,400	70,800	13,500	183,700	20,040	18,492	25,174	63,706
Port Gravina	14,750	135,400	81,100	231,250	29,265	20,979	26,573	76,817
Port Fidalgo	13,200	74,000	18,050	105,250	21,377	21,046	24,602	67,025
Valdez Arm	6,900	56,095	38,010	101,005	32,887	25,848	48,449	107,184
Eastern District	134,450	340,045	180,610	655,105	104,741	87,991	131,563	324,295

**As actual counts exceed anticipated counts
districts are opened to commercial fisheries**

**Areas with counts behind anticipated
levels remain closed to fishing**

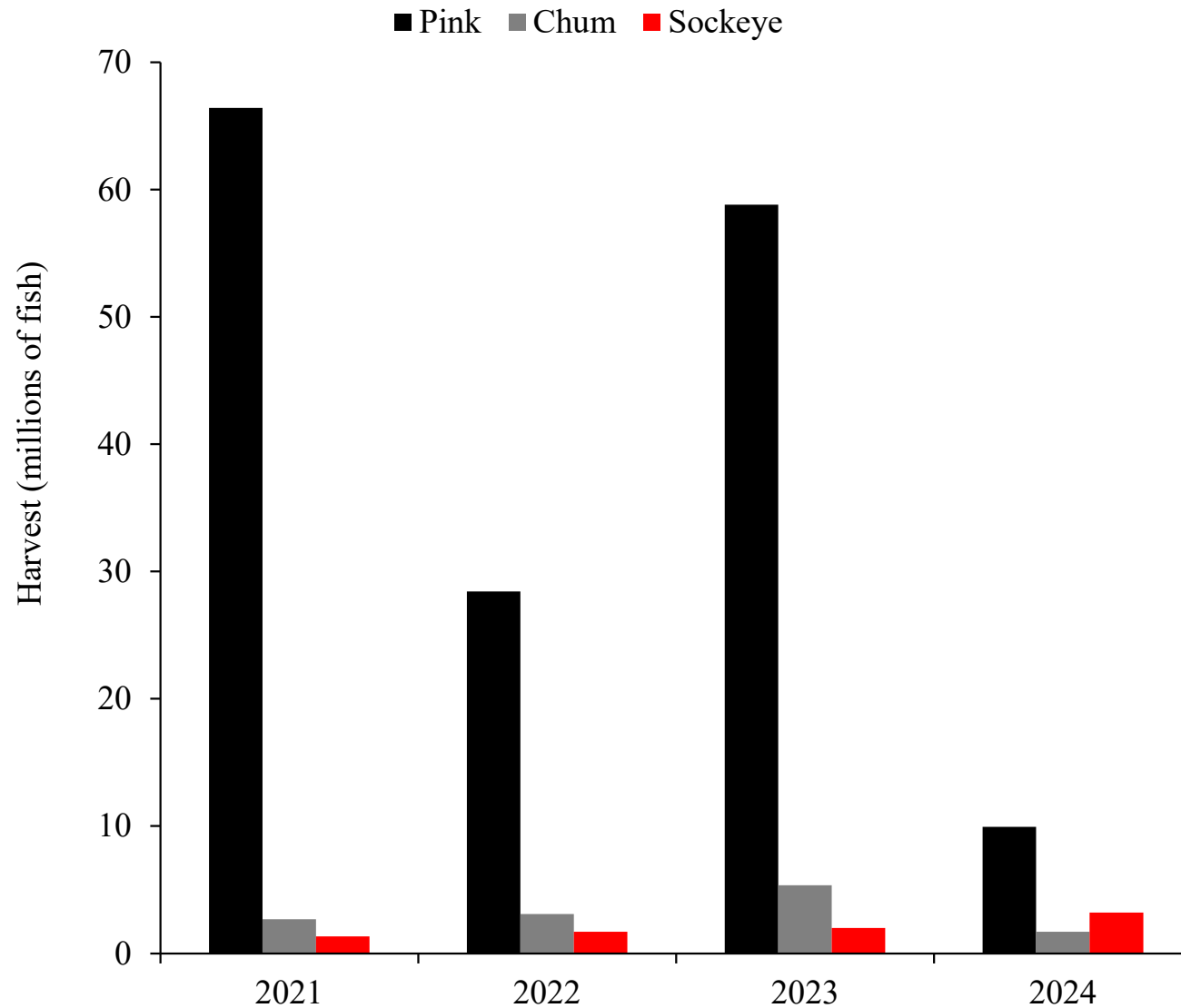
Chum salmon assessment



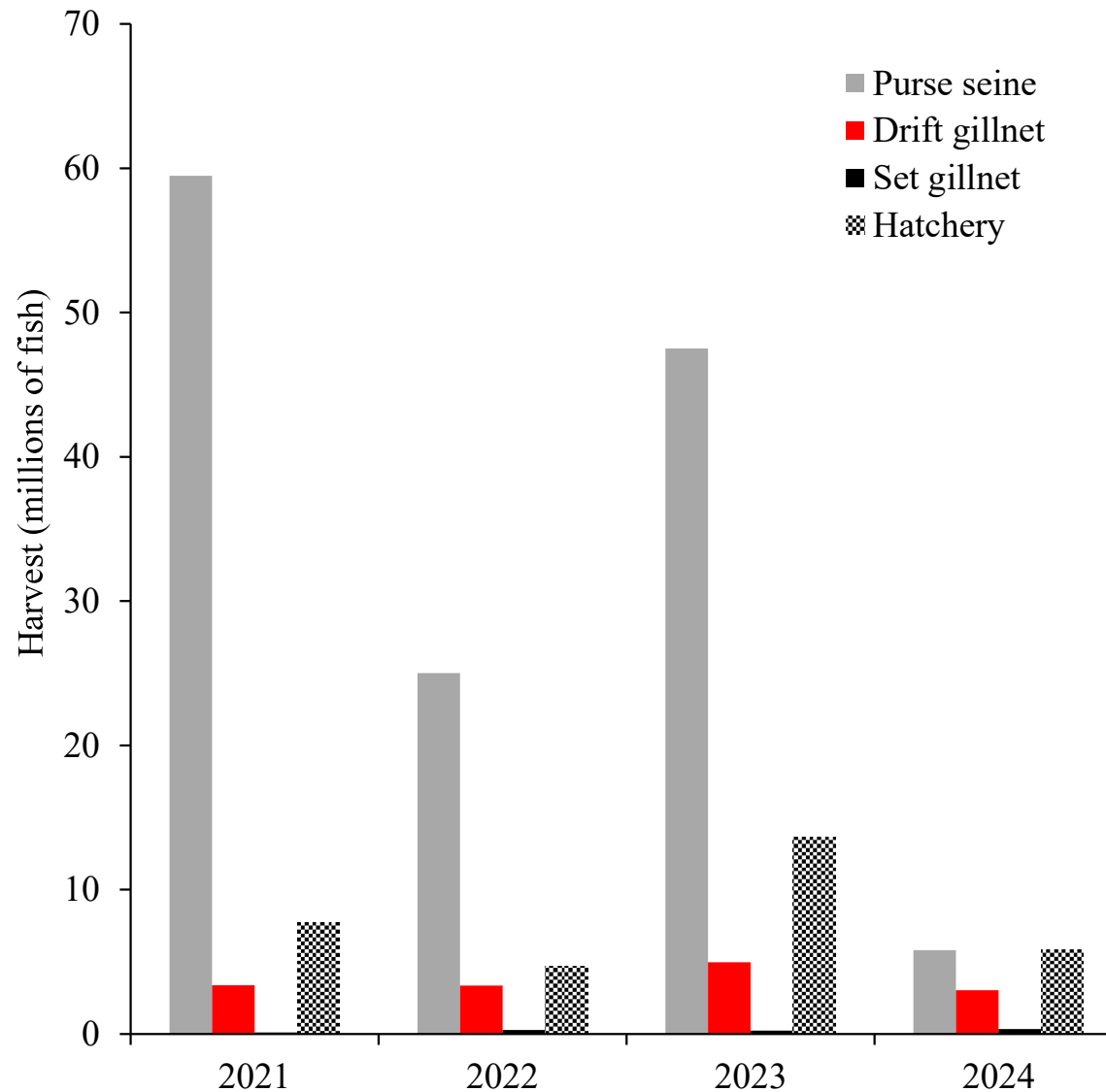
Chum salmon assessment



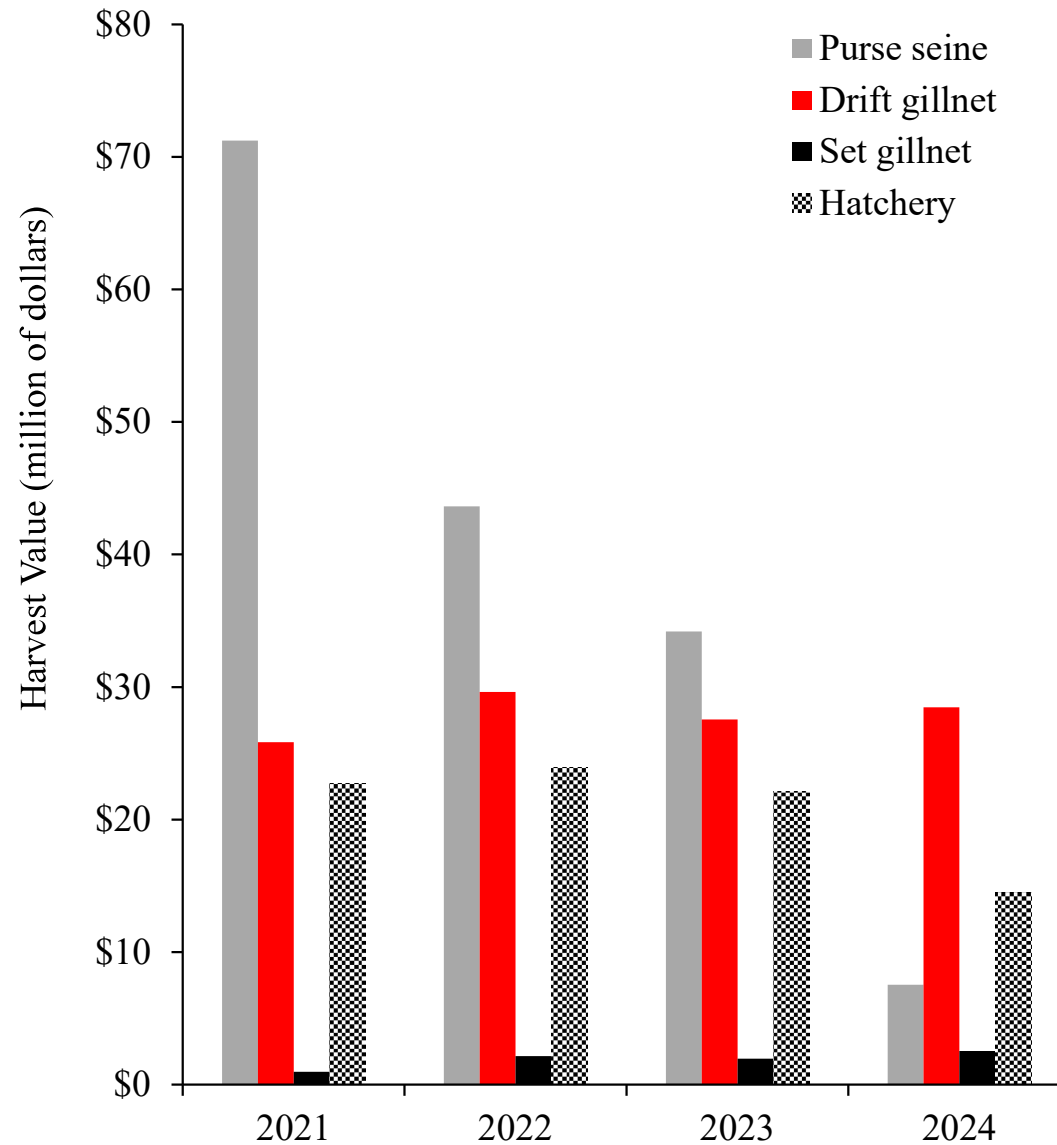
Commercial Harvest (2021-2024)



Harvest by Gear Group (2021-2024)



Harvest Value by Gear Group (2021-2024)





Acknowledgments

- **ADF&G Commercial Fisheries Staff**
- **Jeremy Botz**
- **Jenni Morella**
- **Alex Niepoth**
- **Rachel Ertz**
- **Bert Lewis**