

Alitak District Salmon Management Plan

by
Geoff Spalinger

Report to the Alaska Board of Fisheries
January 2017



Oral Report: RC 3; Tab 4

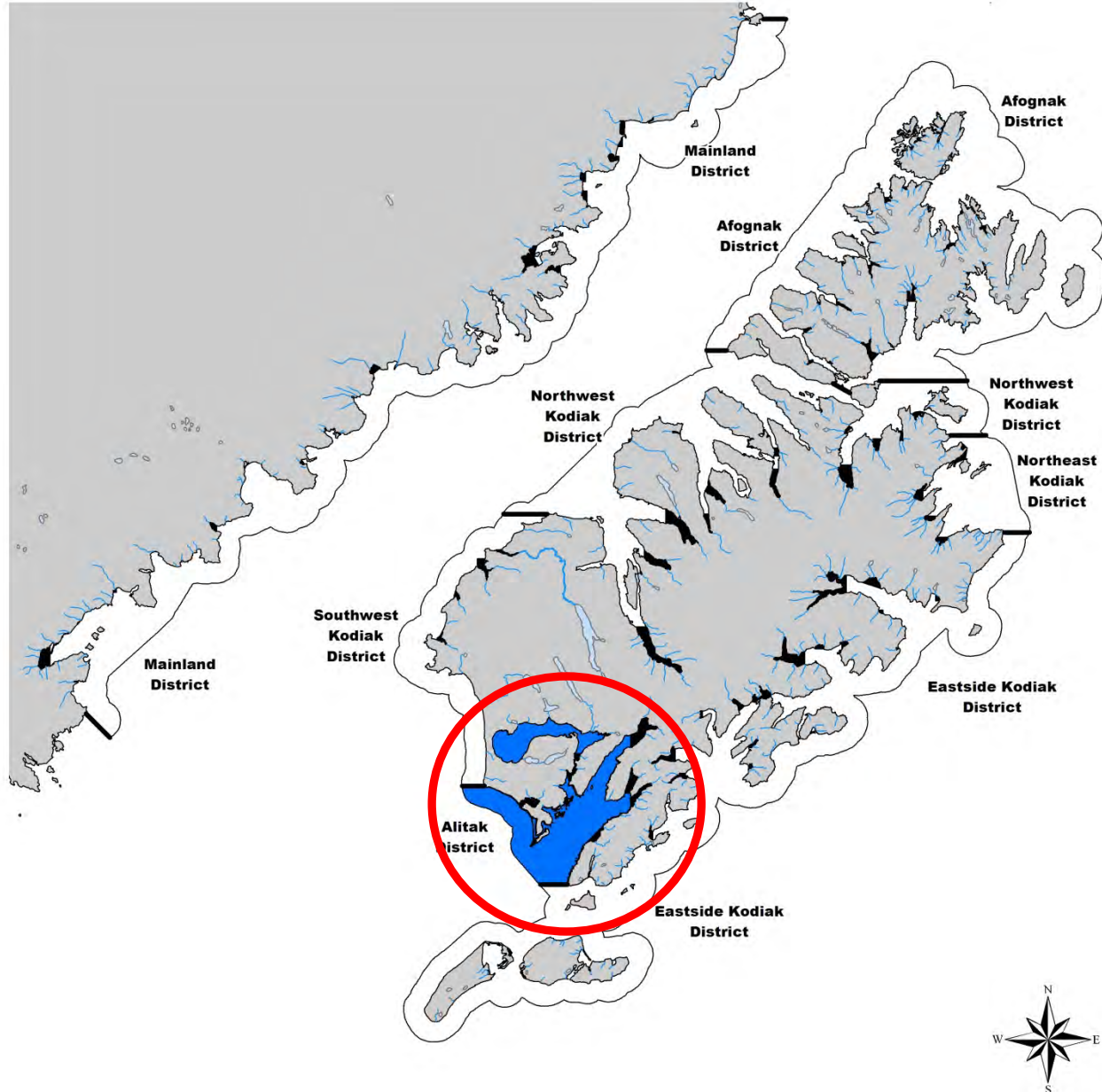
Staff Comments: RC 2; Tab 11

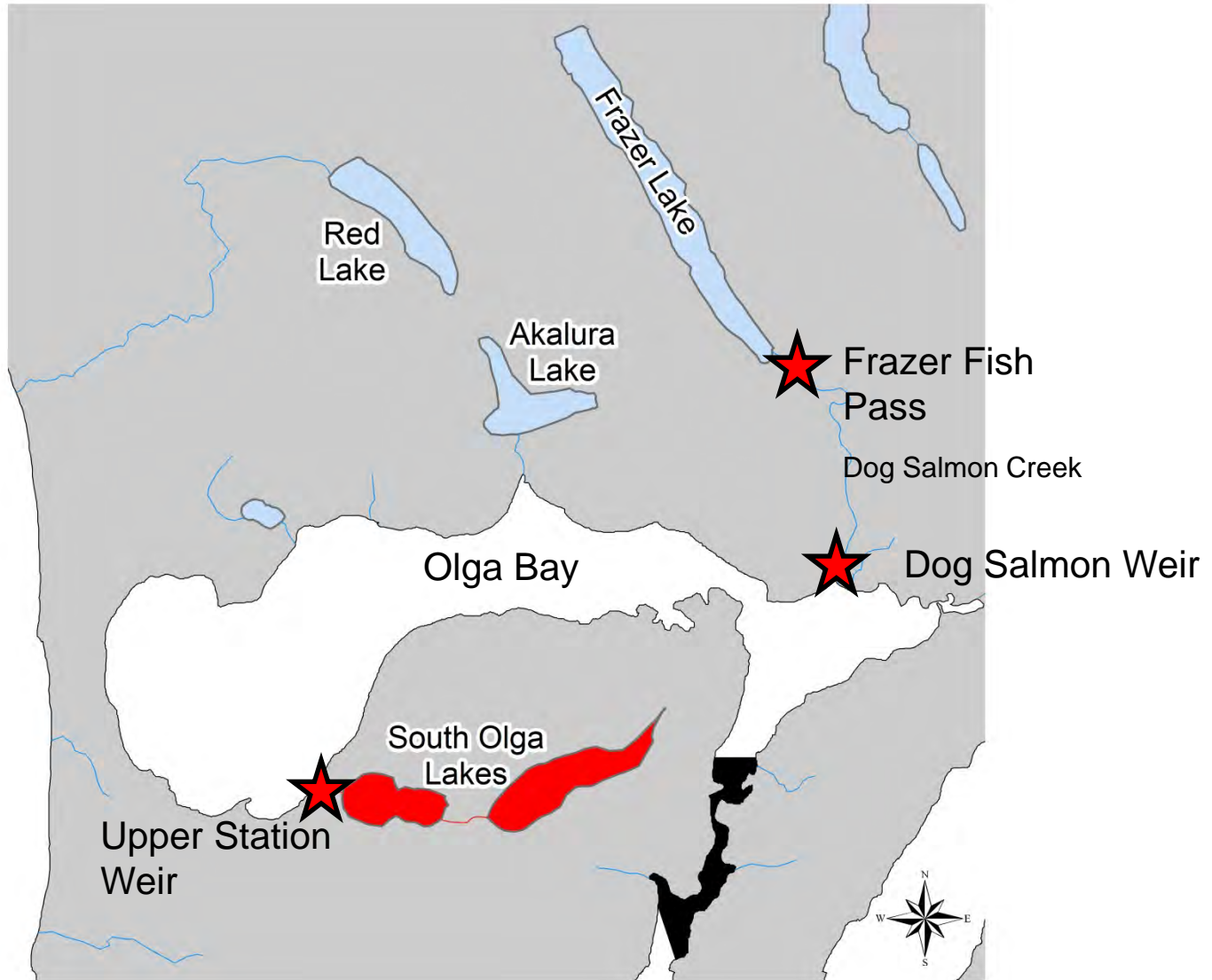
Alitak District Salmon Management Plan

Topics to be covered:

1. Geographic Description
2. Management Plan
3. Historical Escapement Information
4. Historical Harvest Information
5. Alitak District Proposals

Alitak District





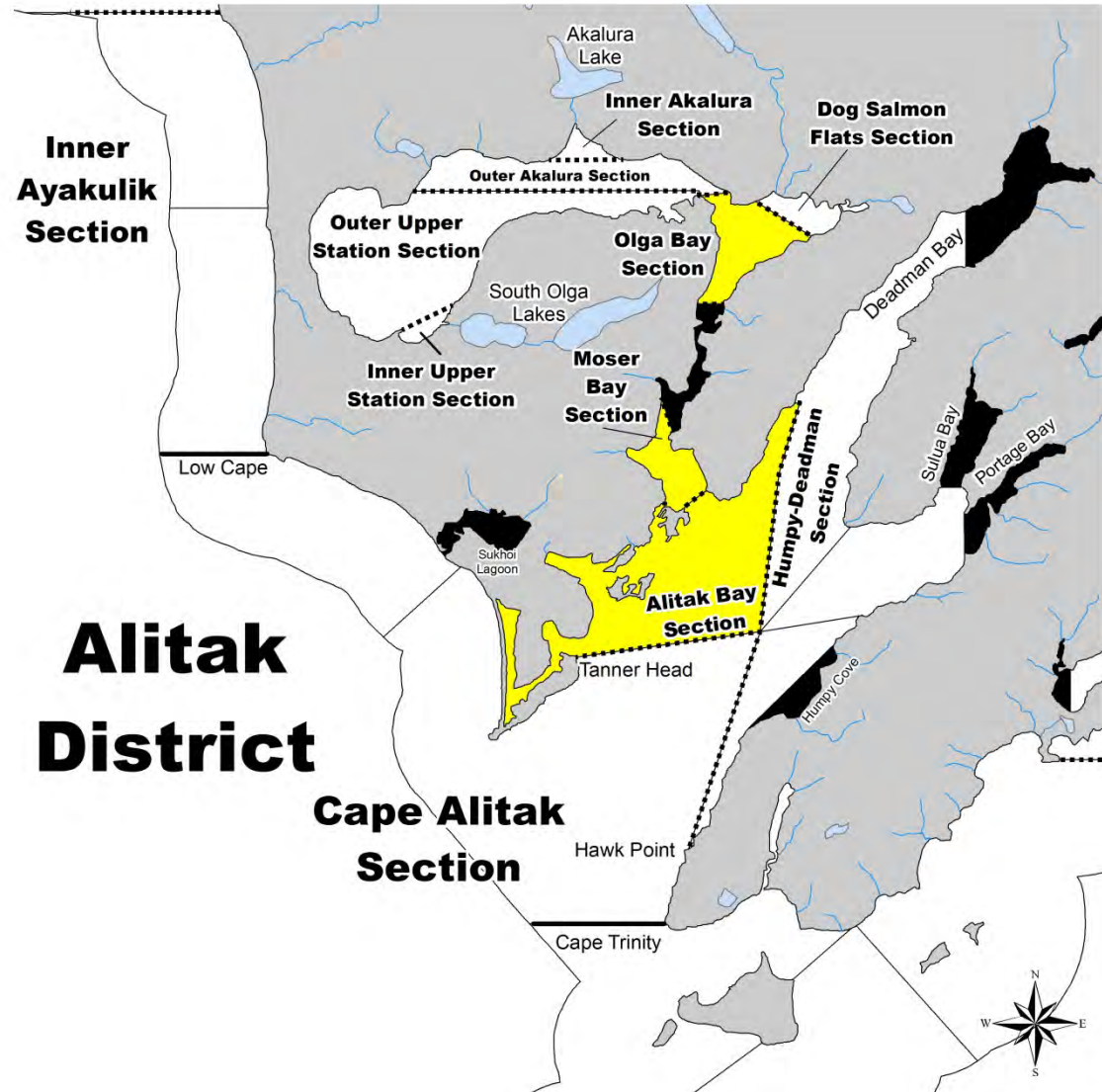
Seine Gear

- Cape Alitak Section
- Humpy-Deadman Section



Set Gillnet Gear

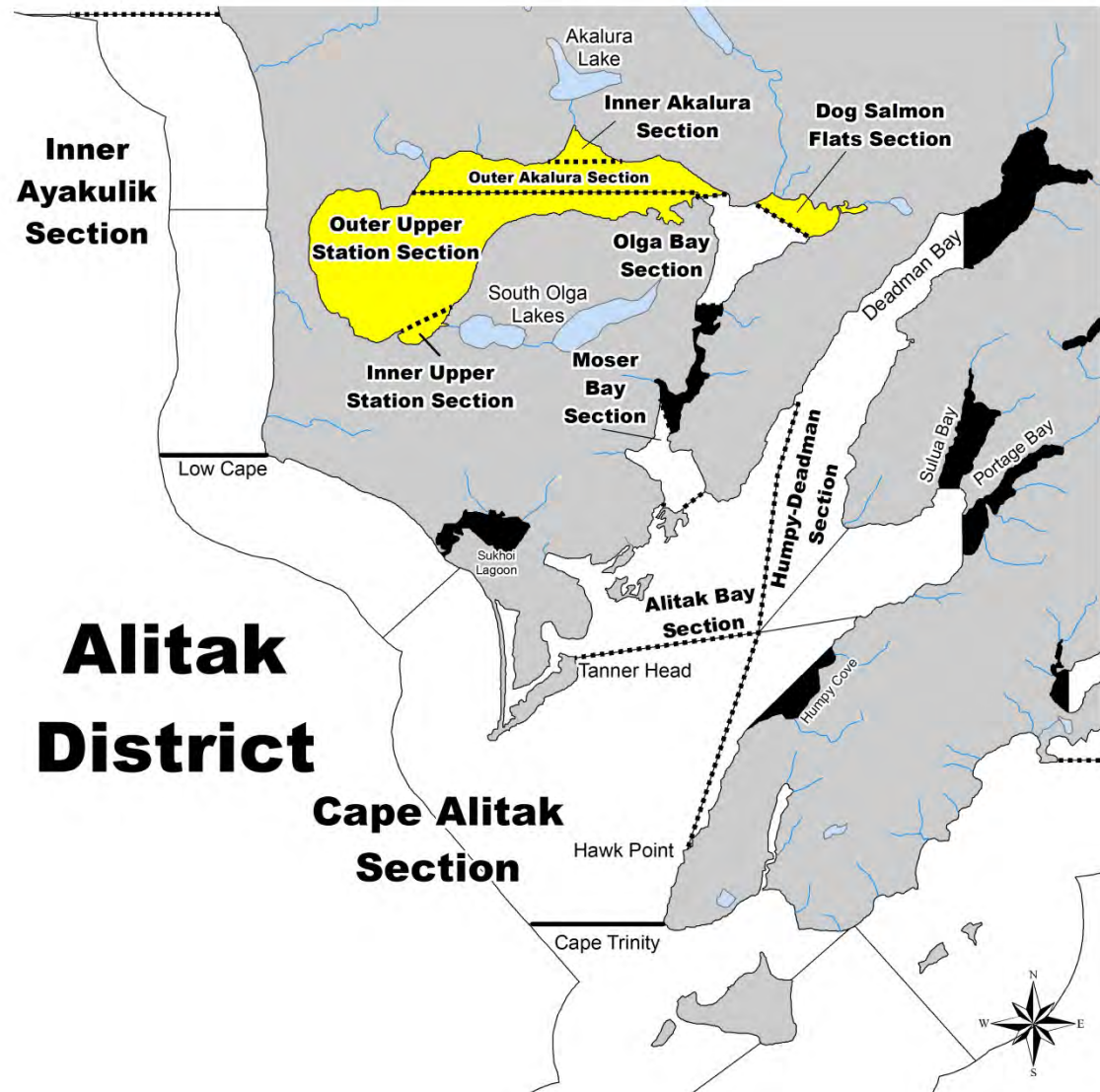
- Olga Bay Section
- Moser Bay Section
- Alitak Bay Section



Normally Closed Sections

Set Gillnet Gear

- Inner Upper Station
- Outer Upper Station
- Inner Akalura
- Outer Akalura
- Dog Salmon Flats



Alitak District Salmon Management Plan

1988

- Management plan adopted into regulation
- Prior to July 16, fishery managed for Frazer sockeye salmon

1999

- Upper Station and Frazer sockeye salmon prior to July 16
- Optimal Escapement Goal (OEG) of 25,000 fish for early-run sockeye to Upper Station
- 2.6 day (63 hours) closure during every 10-day period

2002

- Staggered opening times

Alitak District Salmon Management Plan

2003

- Reinstated equal fishing time between sections with staggered closures
- Cape Alitak seine fisheries concurrent with Alitak Bay set gillnet fisheries

2005

- Cape Alitak to open 24 hours after the Olga Bay Section
- Closure time lengthened to 2.9 days (69 hours)

Staggered Fishing Periods

- Occurred in traditional areas
- Fishing periods began at different times but were of equal length of time
- Closure length applied to each section individually
- Humpy-Deadman fishing periods concurrent with Cape Alitak Section prior to July 16

Section	0:00	6:00	12:00	18:00	0:00	6:00	12:00	18:00	0:00	6:00	12:00
Olga Bay		█	█	█	█	█	█				
Moser Bay			█	█	█	█	█				
Alitak Bay				█	█	█	█	█			
Cape Alitak						█	█	█	█	█	█

Alitak District Salmon Management Plan

2014 – 2016

- Same opening and closing times for traditional areas
- Liberalized opening criteria for the Dog Salmon Flats Section
- Upper Station Early Run OEG increased to 30,000
 - Only if Frazer sockeye salmon escapement would be exceeded
- Sunset after 2016 season

Alitak District Salmon Management Plan

Olga Bay, Moser Bay, Alitak Bay, and Cape Alitak sections

June 1–July 15:

- Frazer and early Upper Station sockeye salmon

July 16–August 9:

- Odd years: Frazer sockeye or pink salmon
- Even years: Frazer or Upper Station sockeye salmon

August 10–August 25:

- Odd years: Upper Station sockeye salmon
- Even years: Frazer pink or Upper Station sockeye salmon

After August 25:

- Coho and late sockeye salmon to all Olga Bay systems

Alitak District Salmon Management Plan

Humpy-Deadman Section

June 1–July 15:

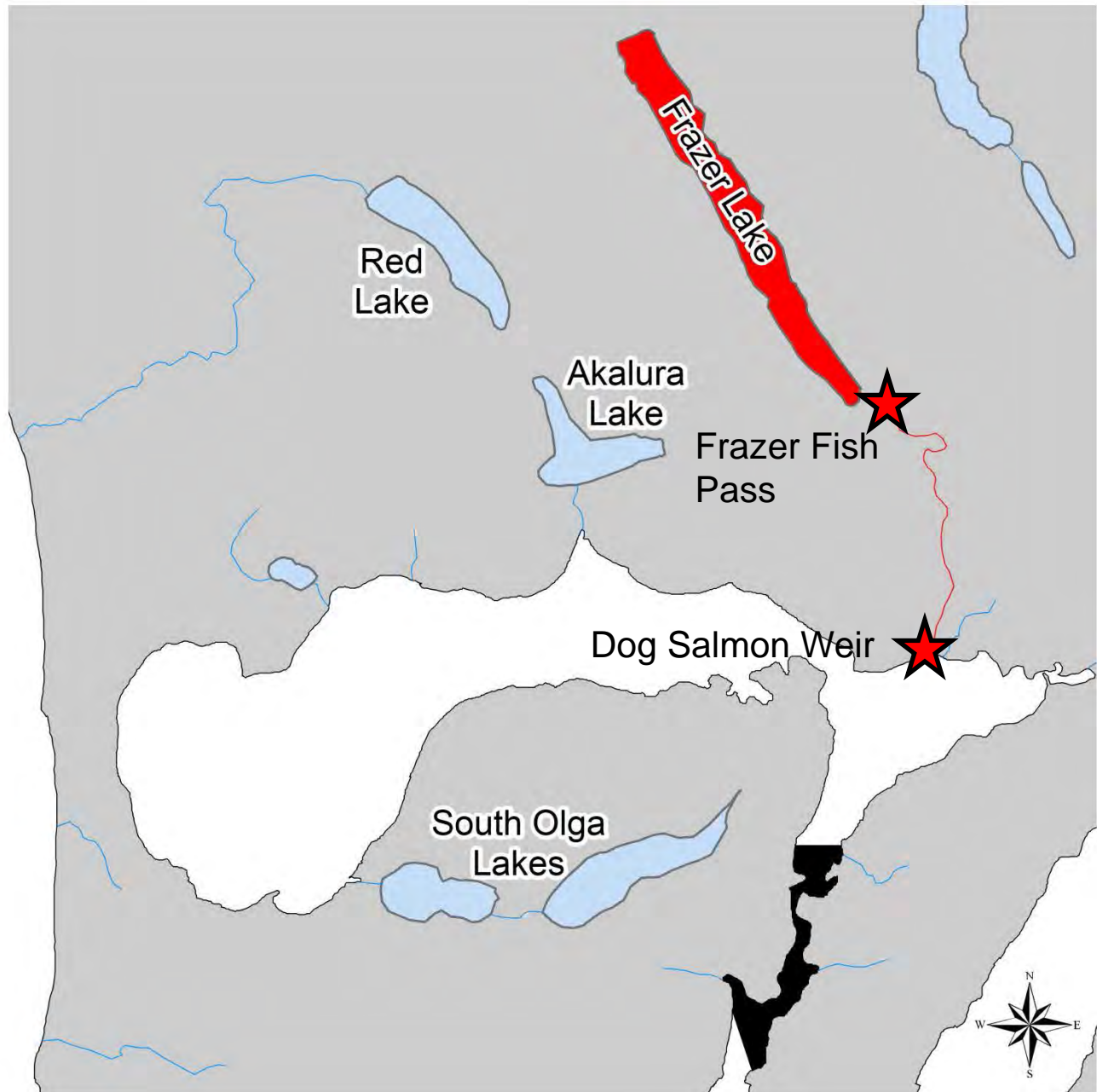
- Openings and closings concurrent with the Cape Alitak Section

After July 15:

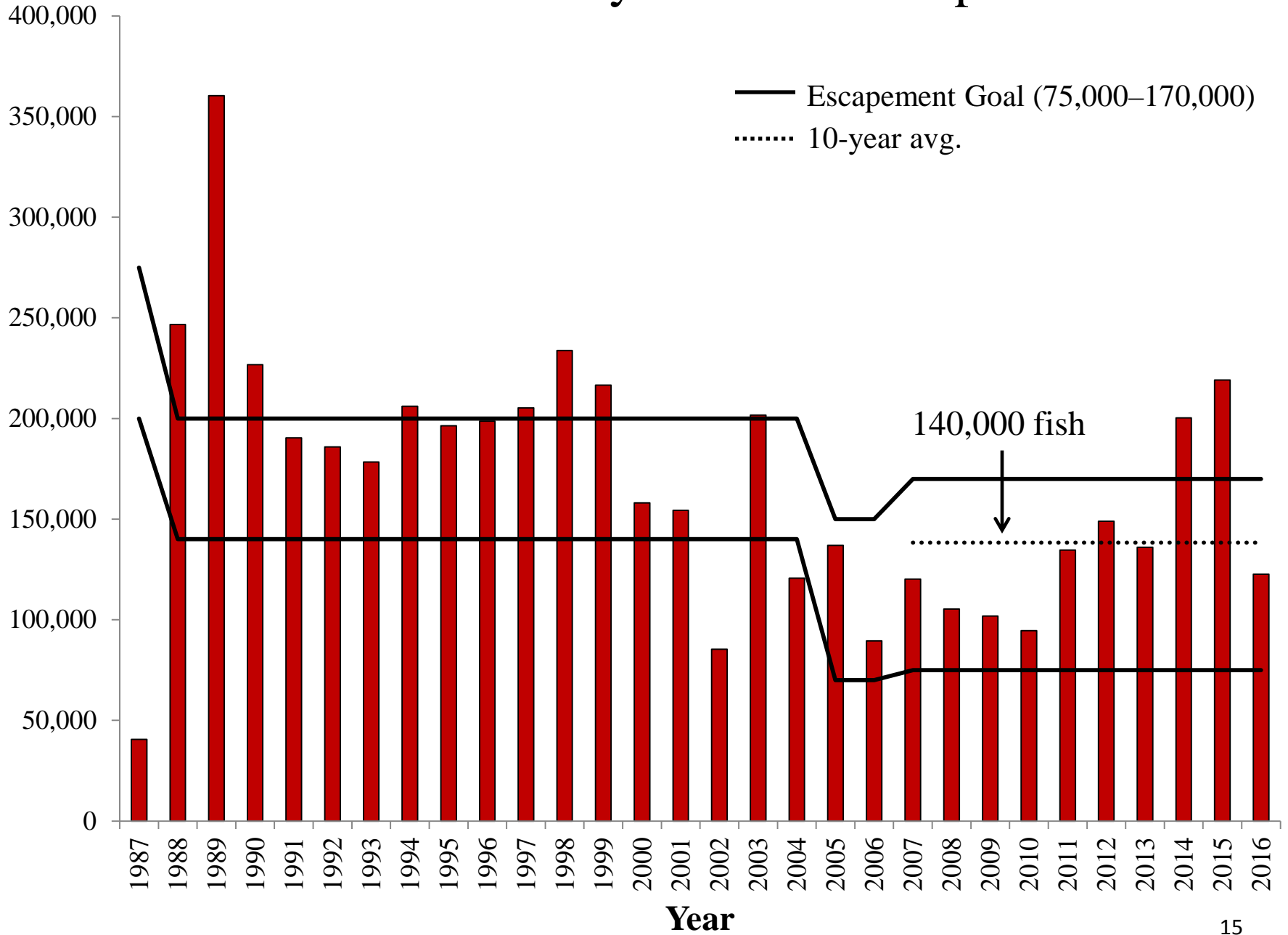
- Salmon returns to systems within the Humpy-Deadman Section

Dog Salmon Weir and Frazer Lake Fish Pass

- Dog Salmon weir located near the outlet of Dog Salmon Creek
- Frazer Lake Fish Pass located near the outlet of Frazer Lake
- Sockeye salmon BEG of 75,000–170,000 fish

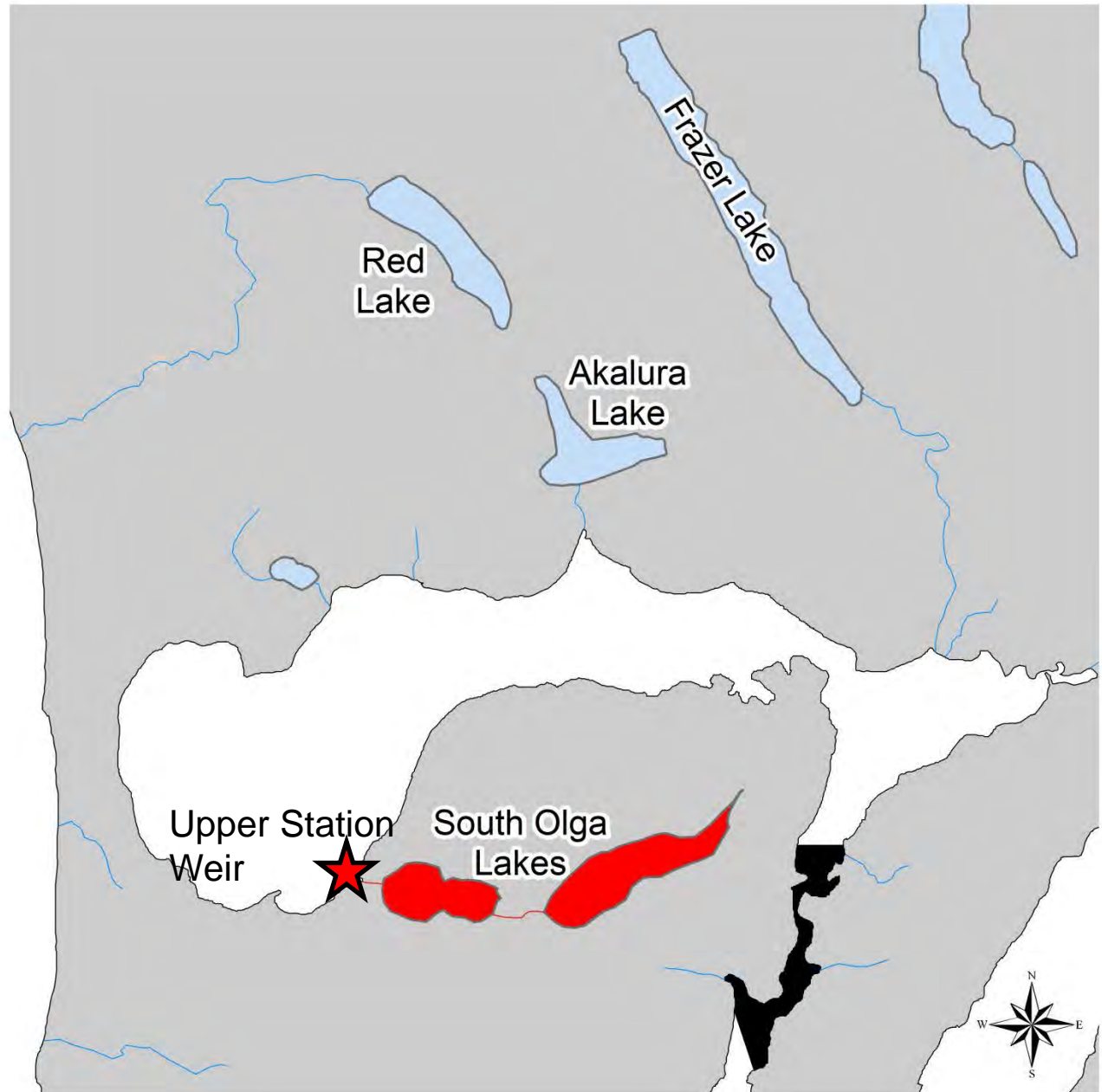


Frazer Lake Sockeye Salmon Escapement

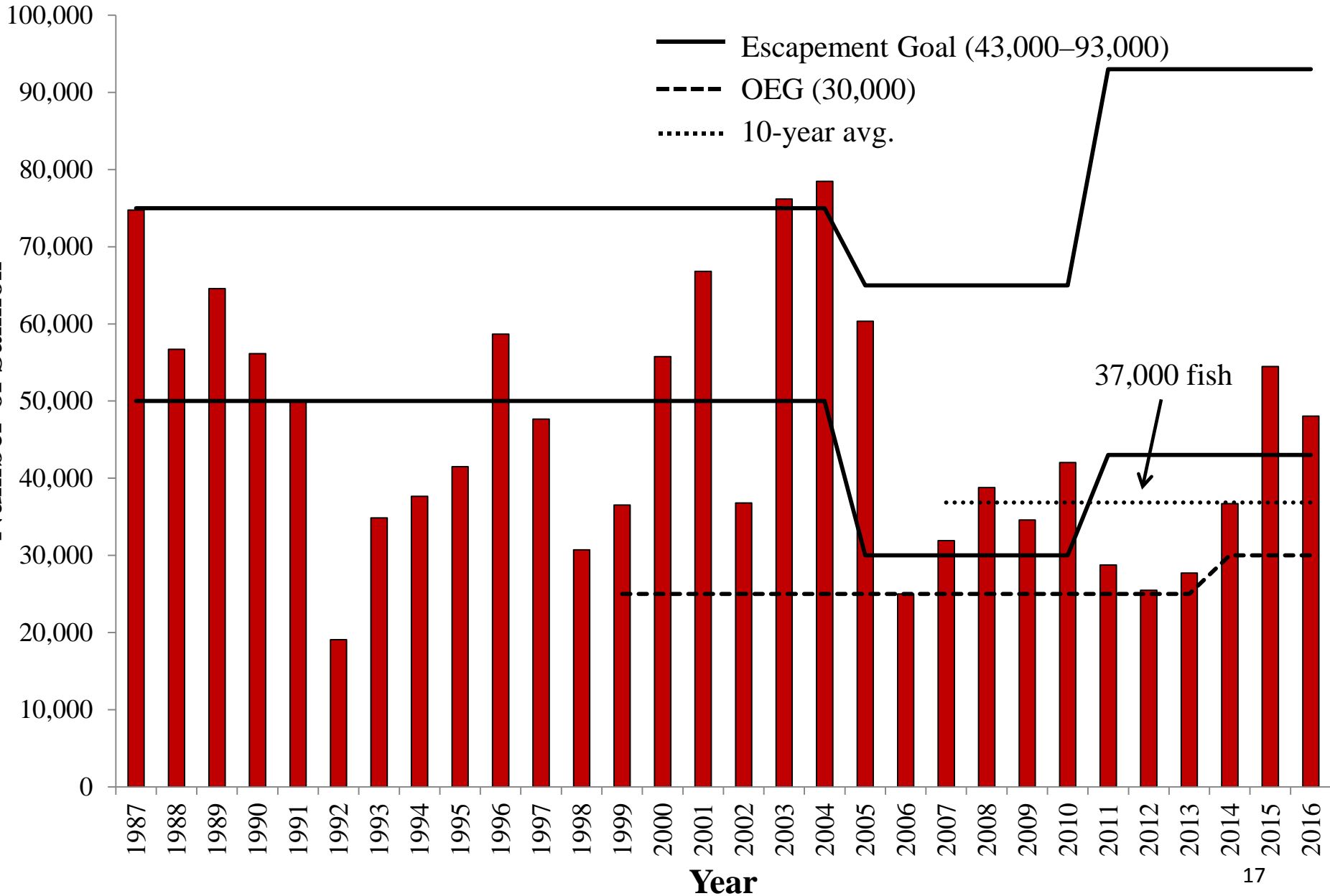


Upper Station Weir

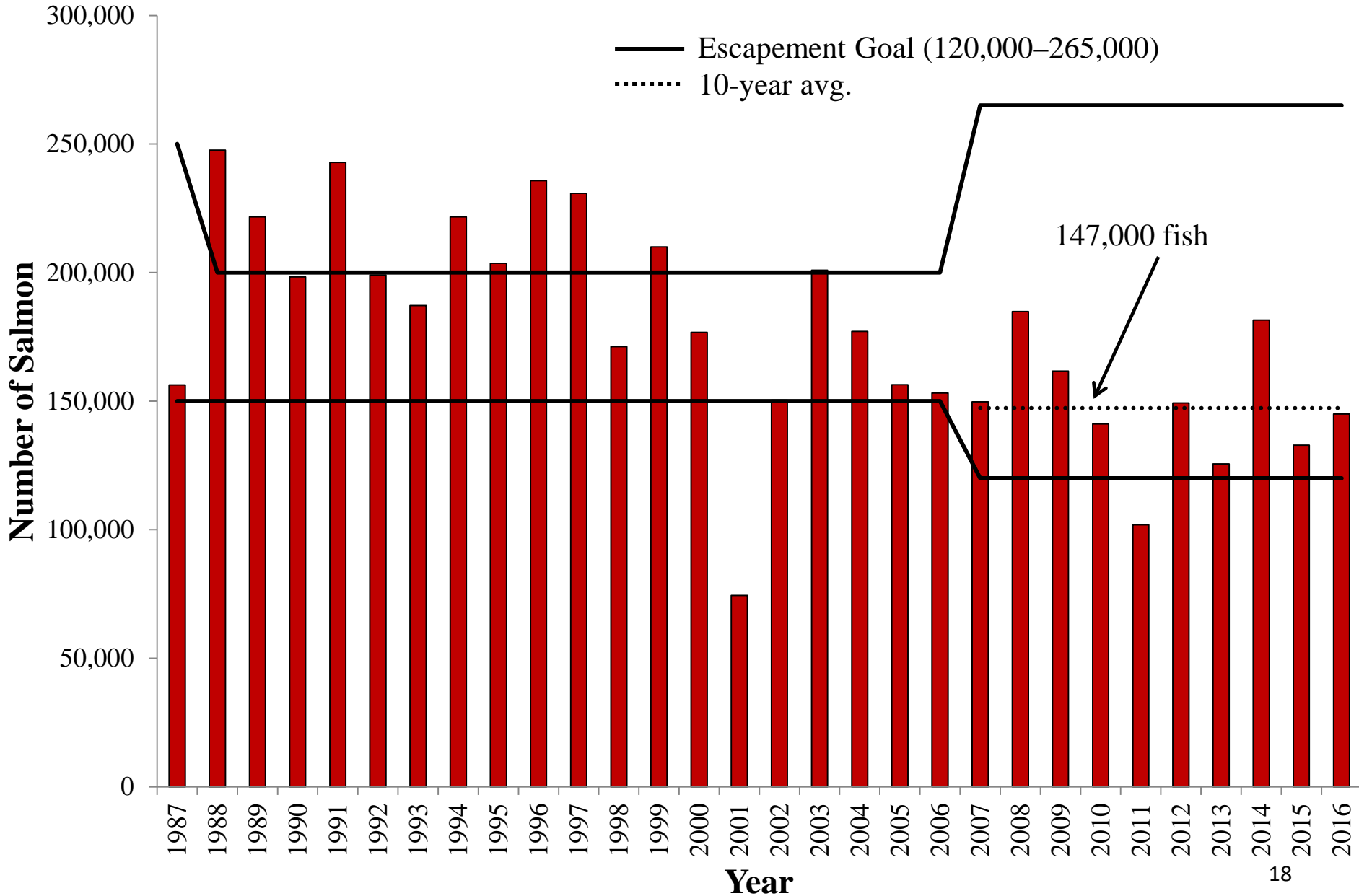
- Located near the outlet of Olga Creek
- Monitors early (through July 15) and late (after July 15) sockeye salmon runs
- Early-run BEG of 43,000–93,000 sockeye salmon (OEG of 30,000 fish)
- Late-run BEG of 120,000–265,000 sockeye salmon



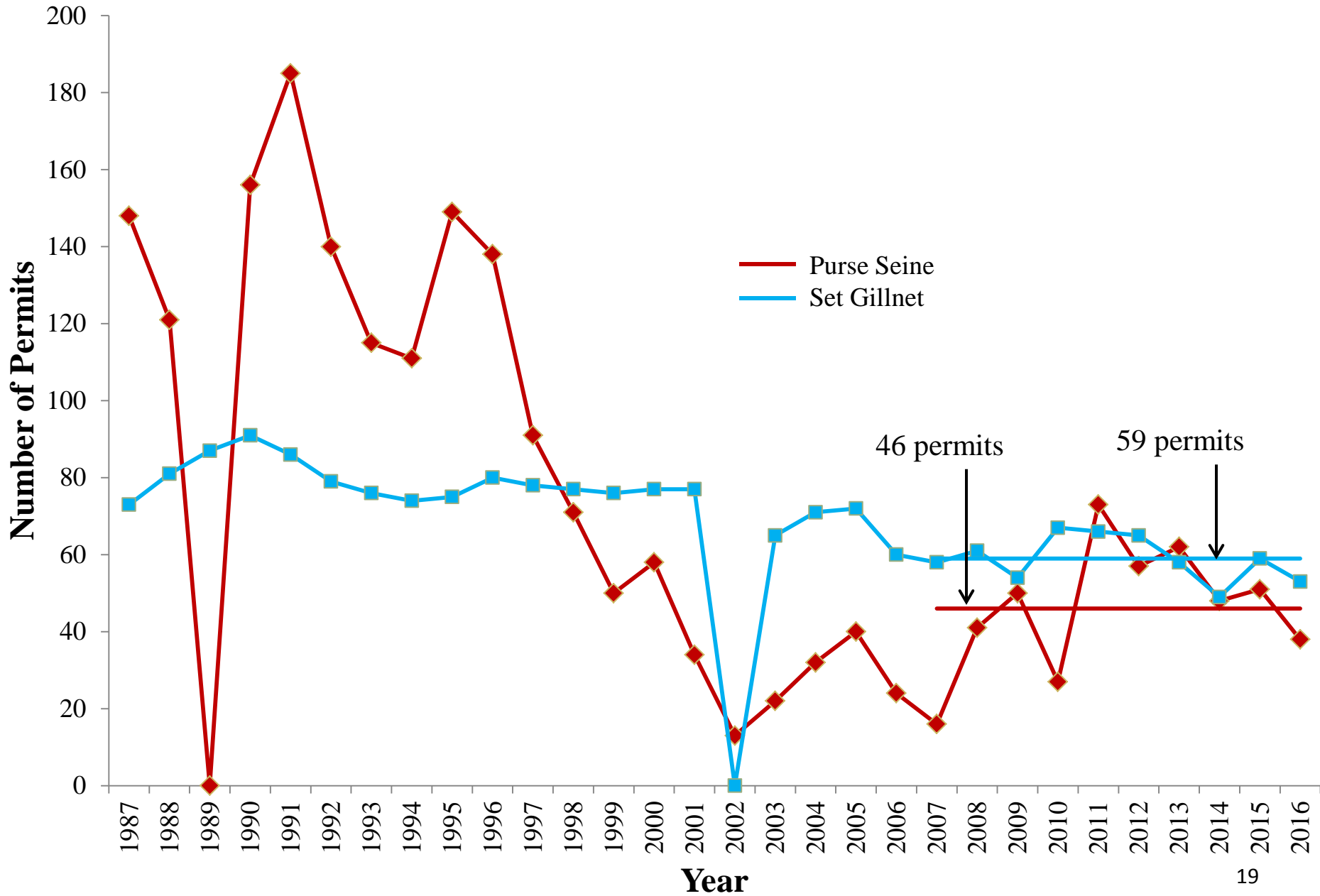
Upper Station Early-Run Sockeye Salmon Escapement



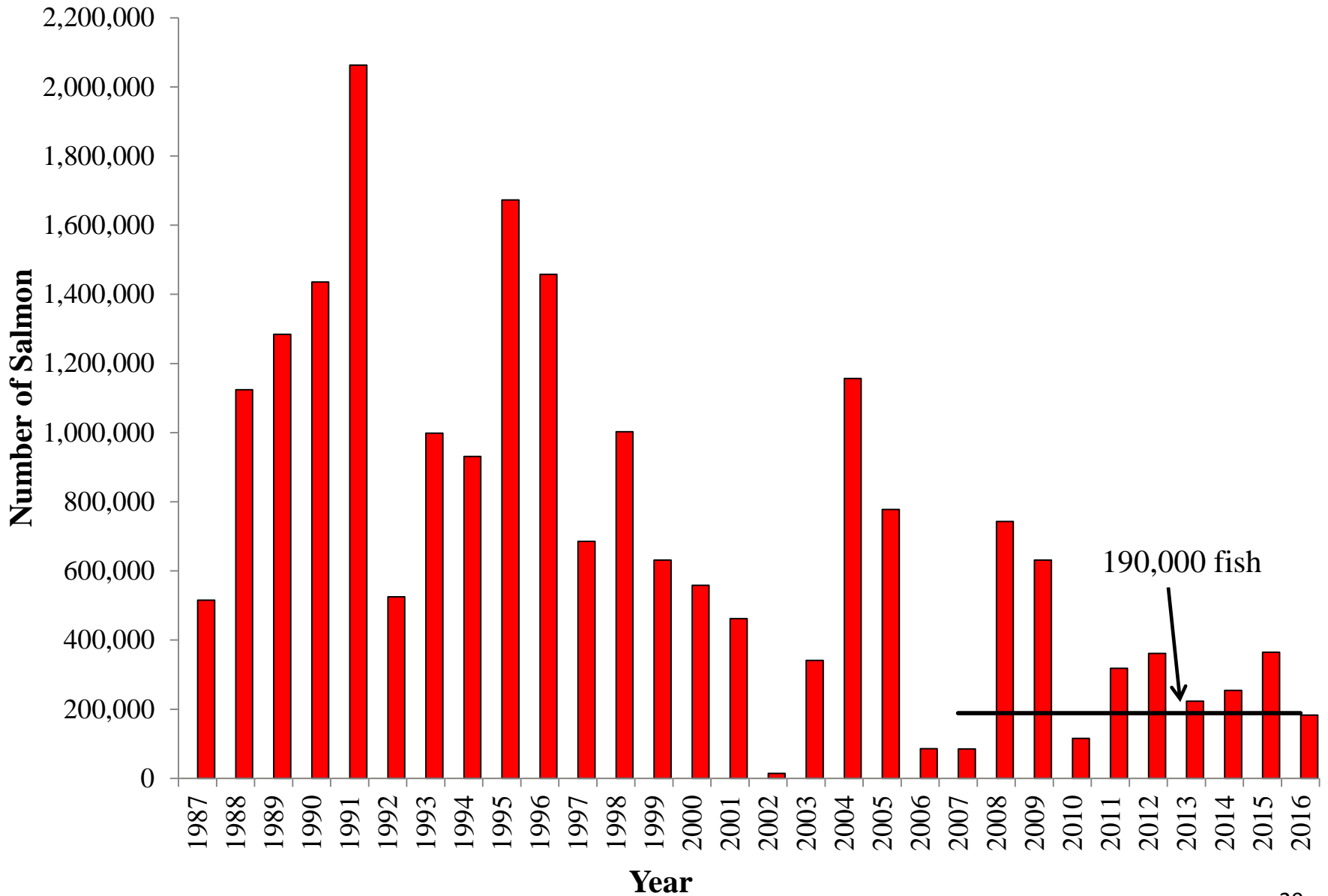
Upper Station Late-Run Sockeye Salmon Escapement



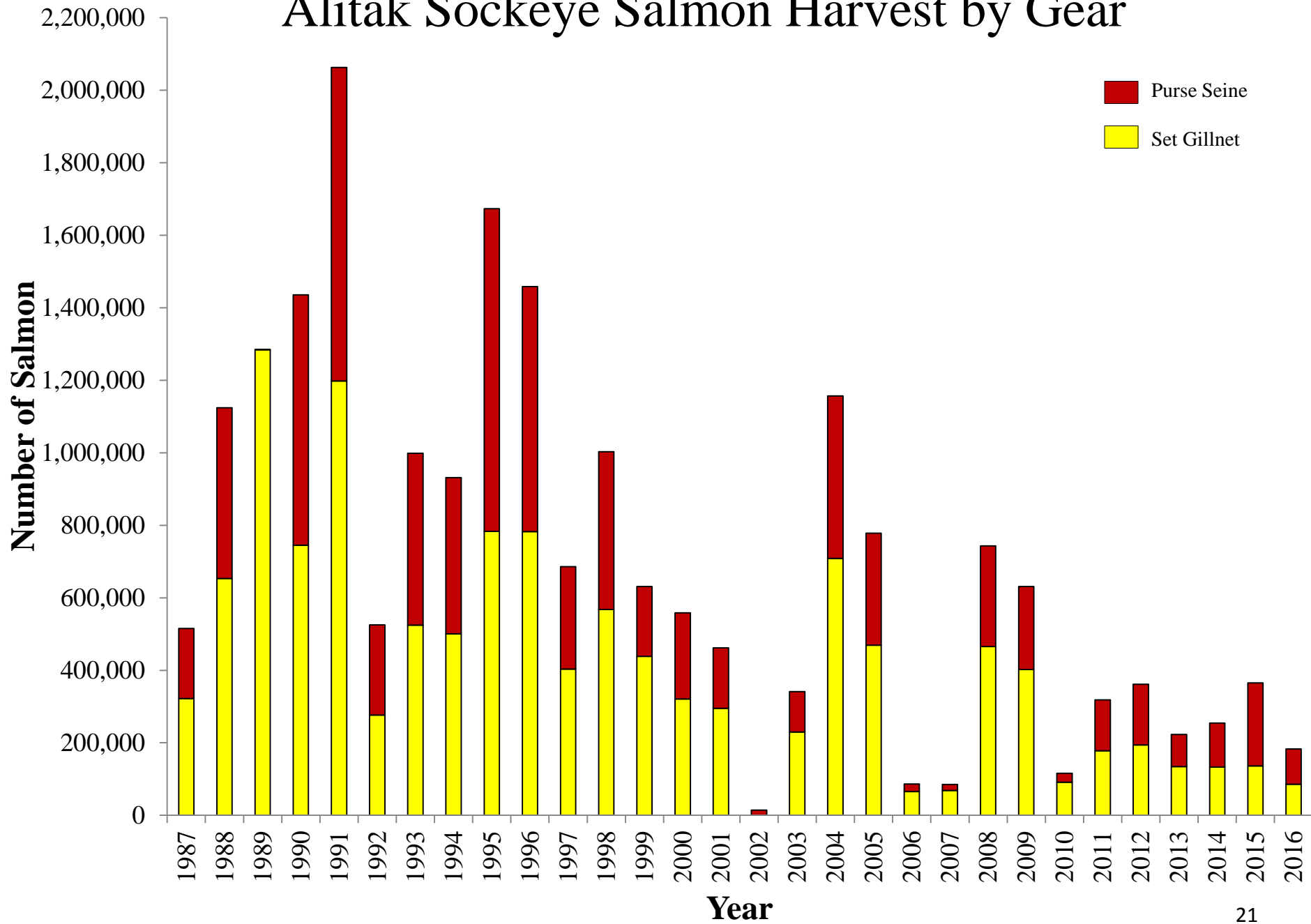
Fishery Participation



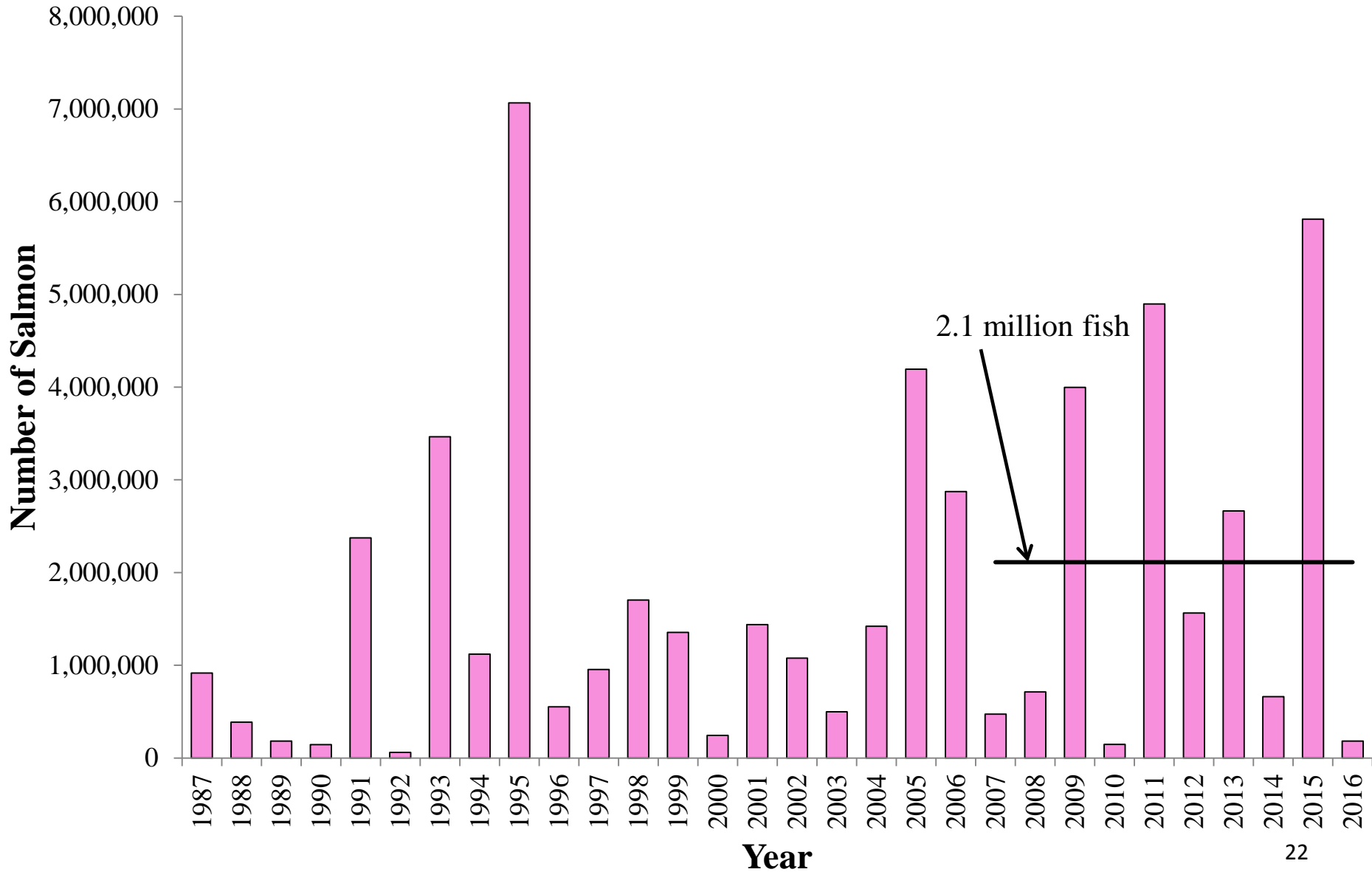
Alitak Sockeye Salmon Harvest



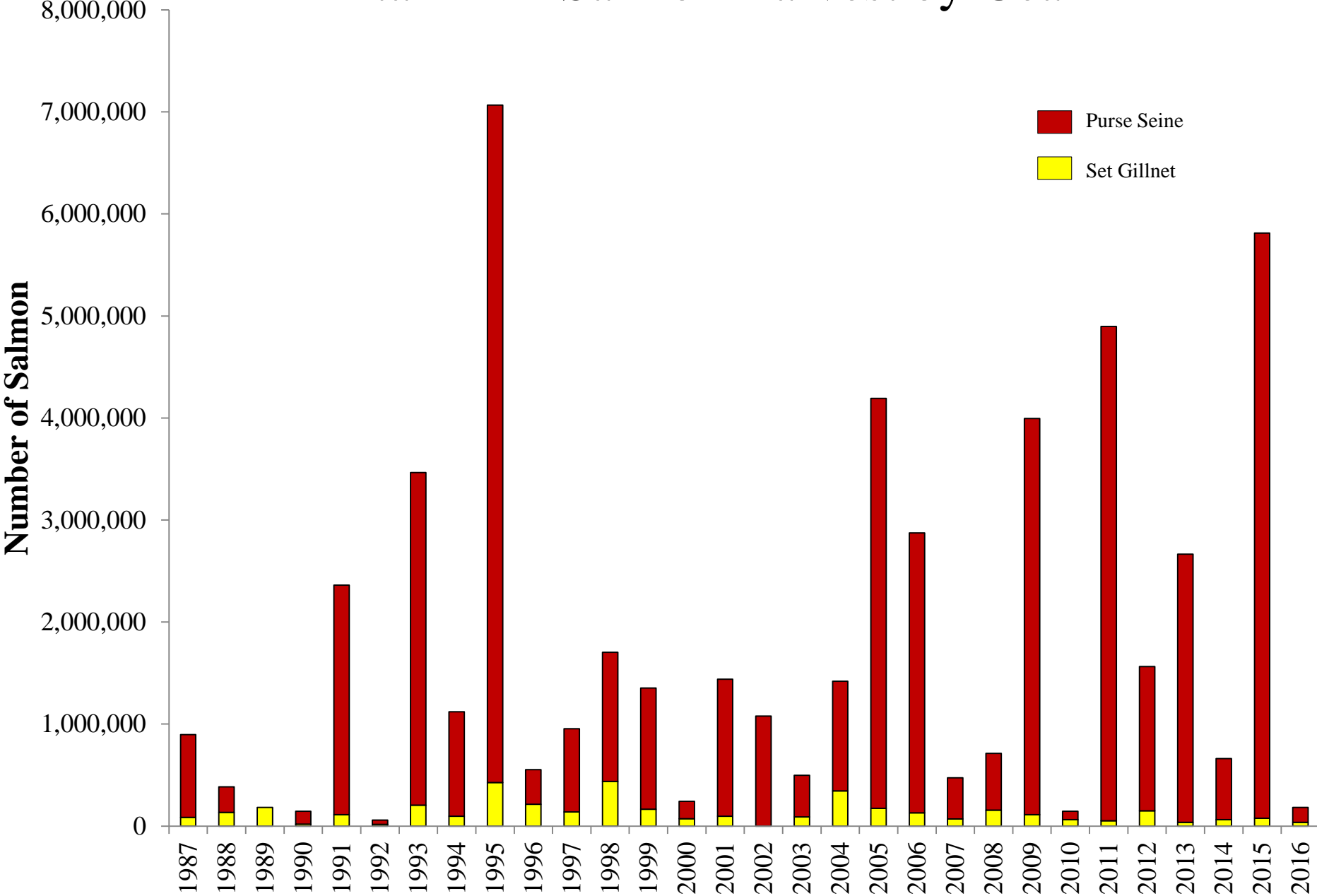
Alitak Sockeye Salmon Harvest by Gear



Alitak Pink Salmon Harvest



Alitak Pink Salmon Harvest by Gear



Alitak District Proposal Summary

- **Proposal 57:** allow set gillnet gear to fish in the Cape Alitak and Humpy-Deadman sections after September 4
- **Proposal 58:** limit the escapement of jack sockeye salmon into Frazer Lake to no more than 15% of the total Frazer Lake sockeye salmon escapement
- **Proposal 59:** mandatory minimum closures for the Westside of Kodiak and the Alitak District

QUESTIONS