

The Commercial Salmon Fisheries of the Kodiak Management Area



James Jackson

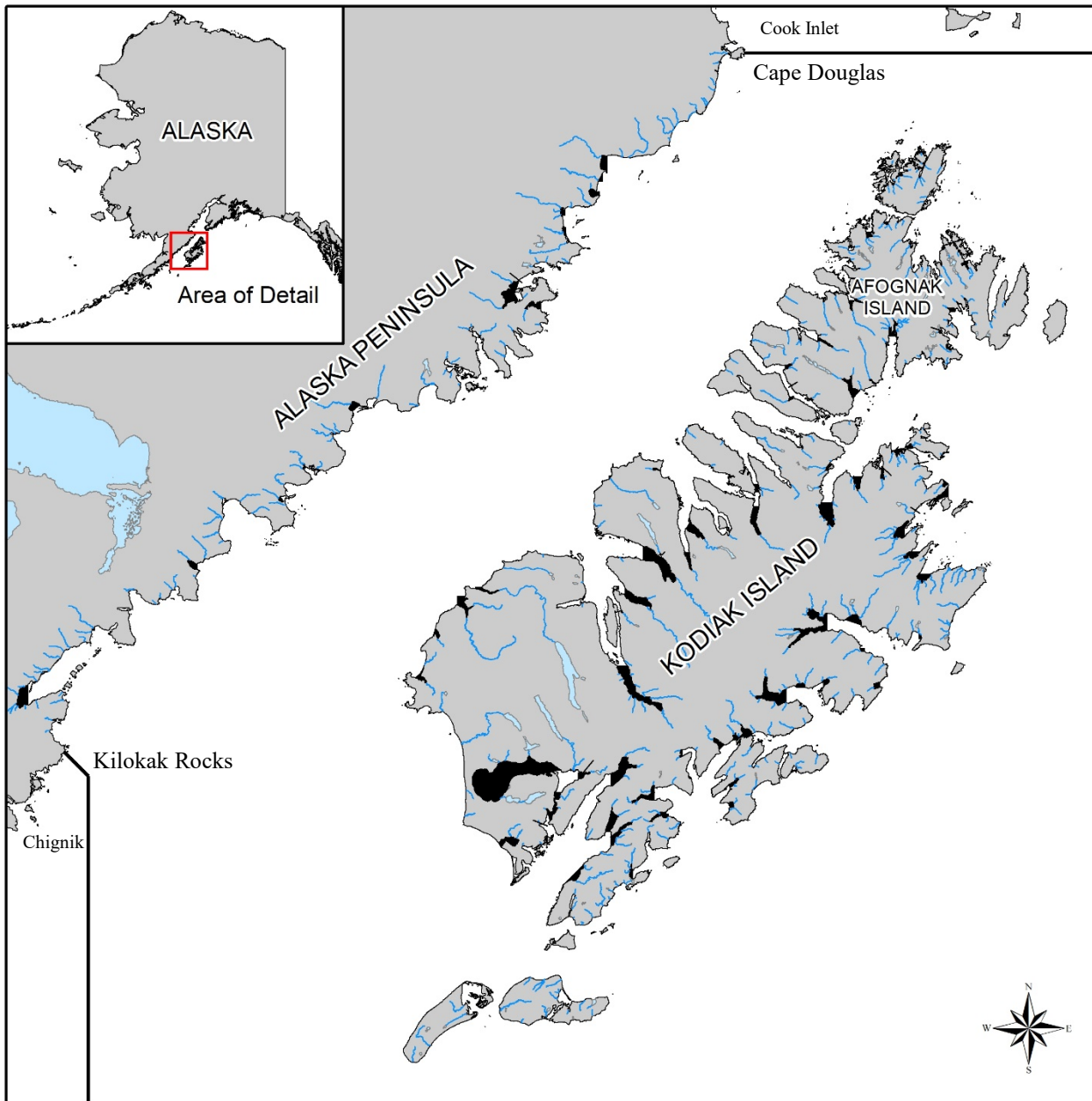
**A Report to the Alaska Board
of Fisheries
January 2020**

**Oral Report: RC 3; Tab 2
Staff Comments: RC 2**

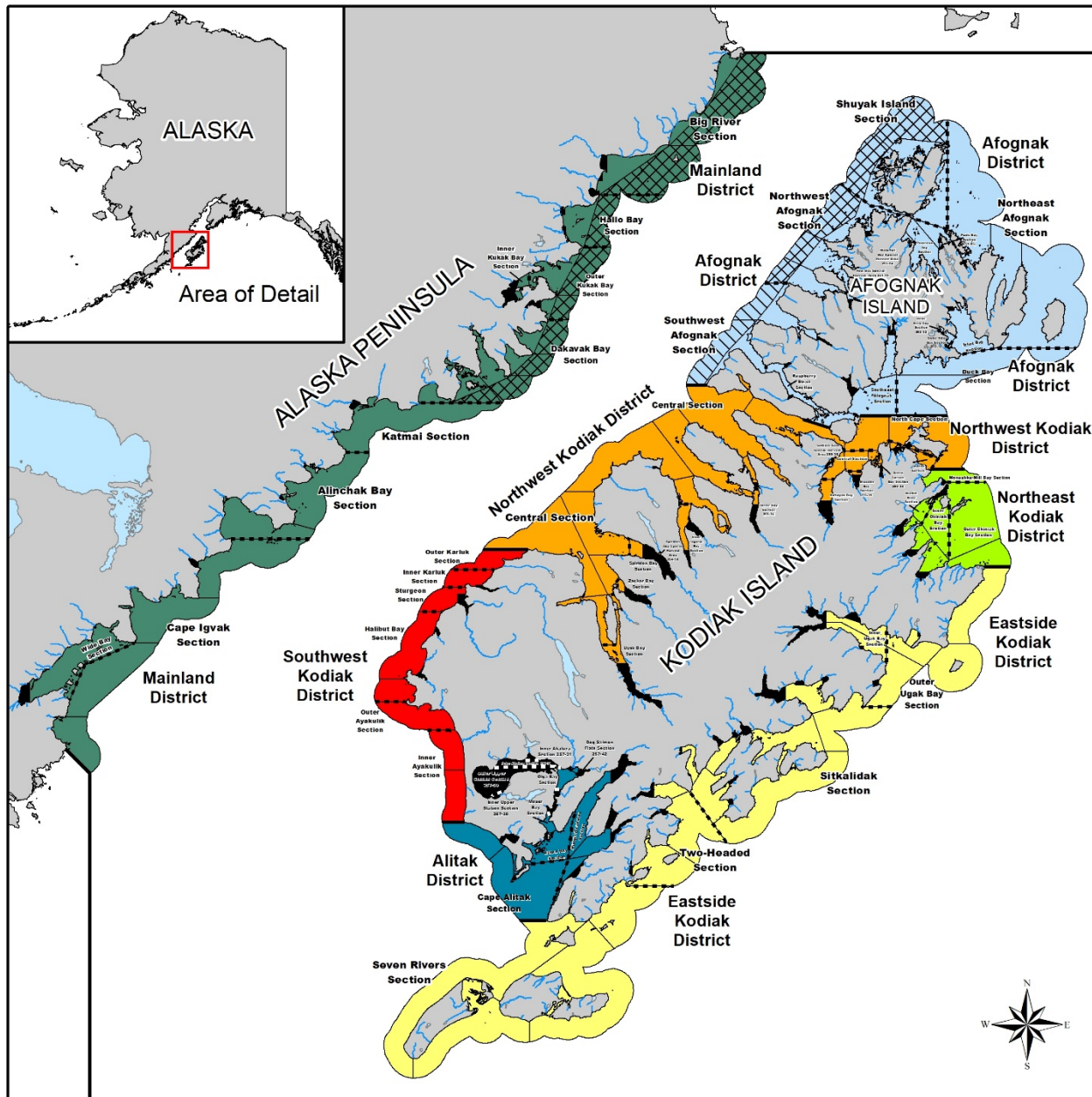
Topics to be Covered:

1. Description of Kodiak management area
2. A brief description of the 9 major management plans
3. Average run timing by species
4. Gear types and permits fished
5. Harvest and escapement by salmon species

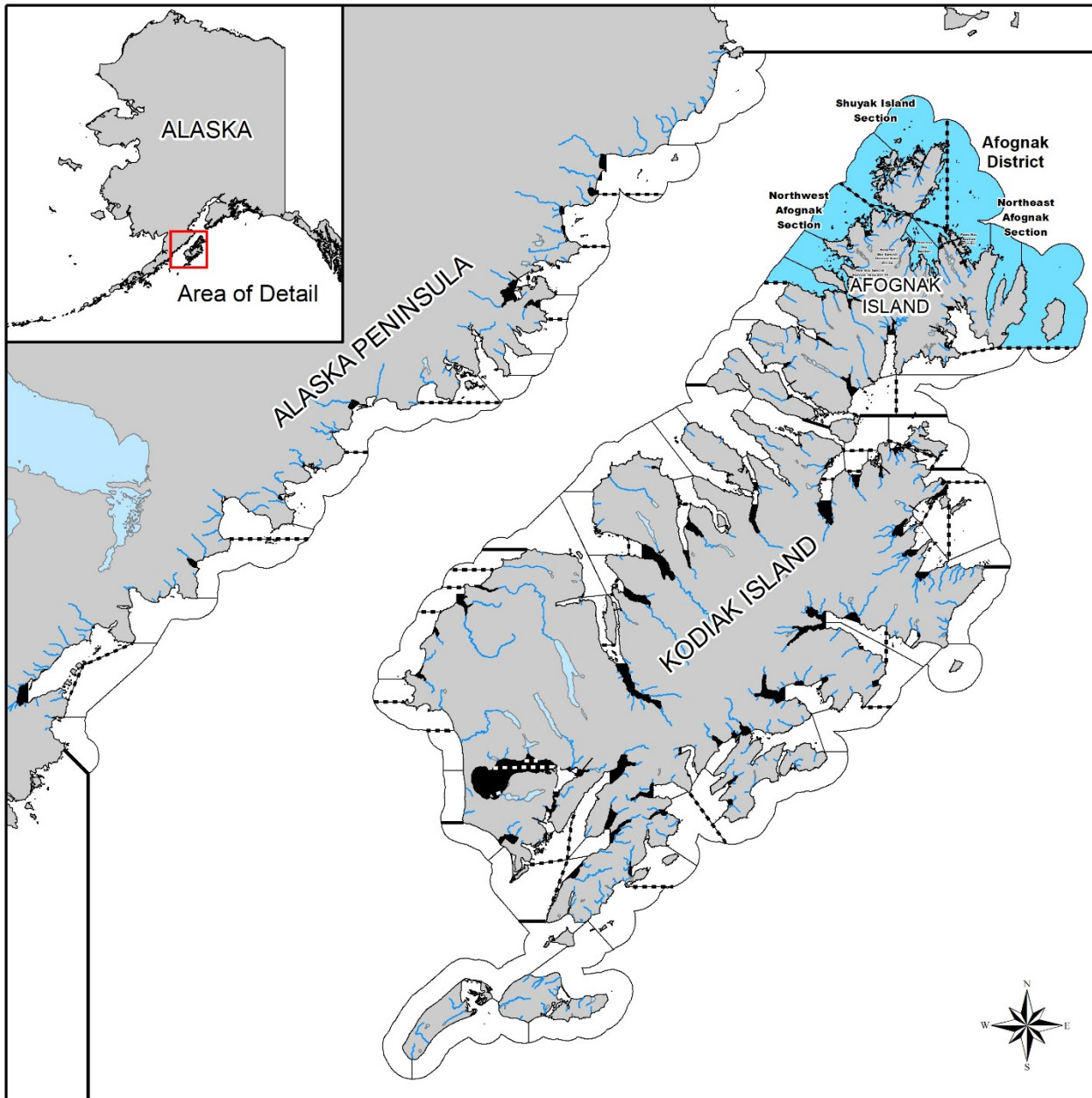
Kodiak Management Area



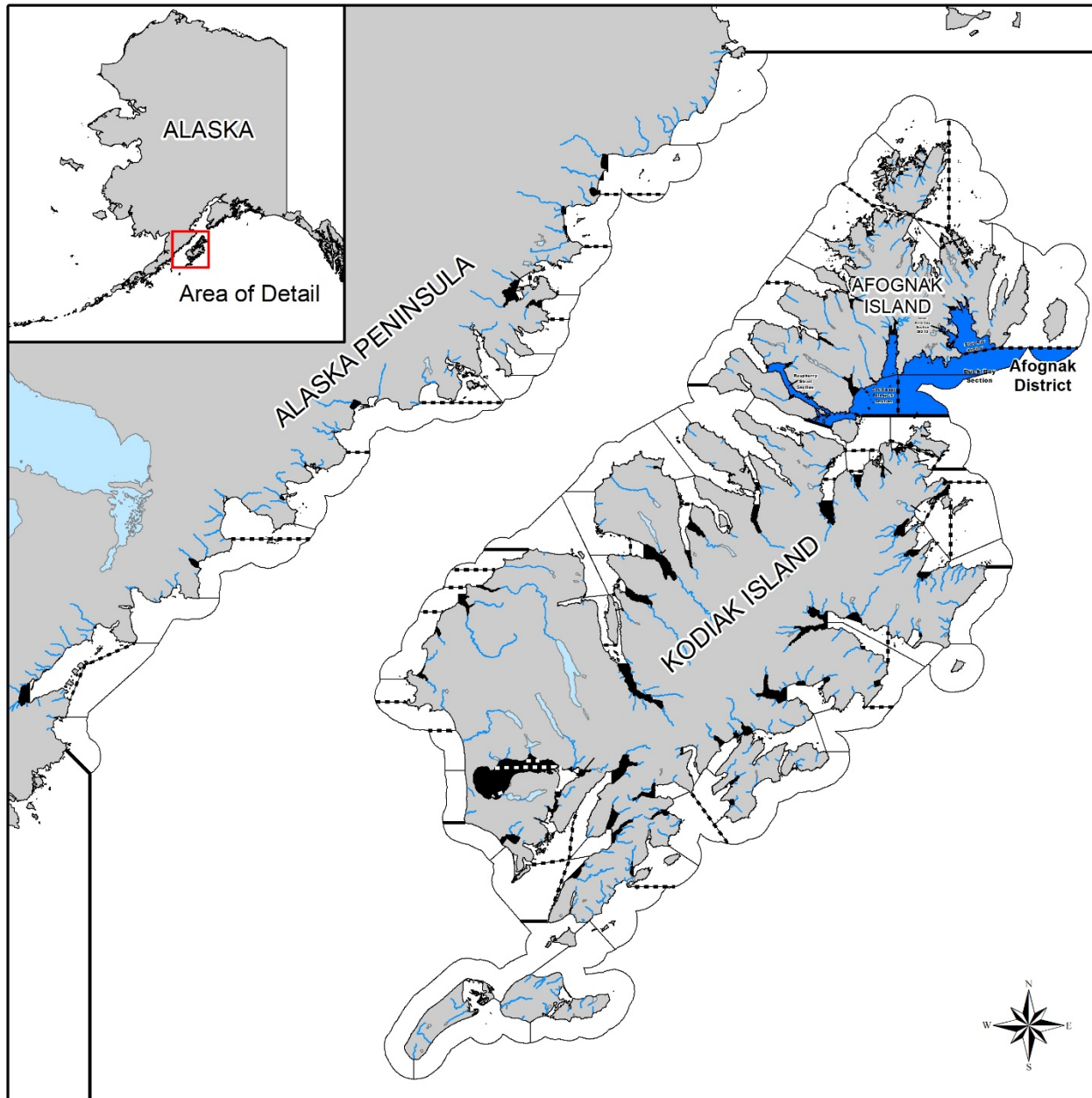
Kodiak Area Salmon Districts



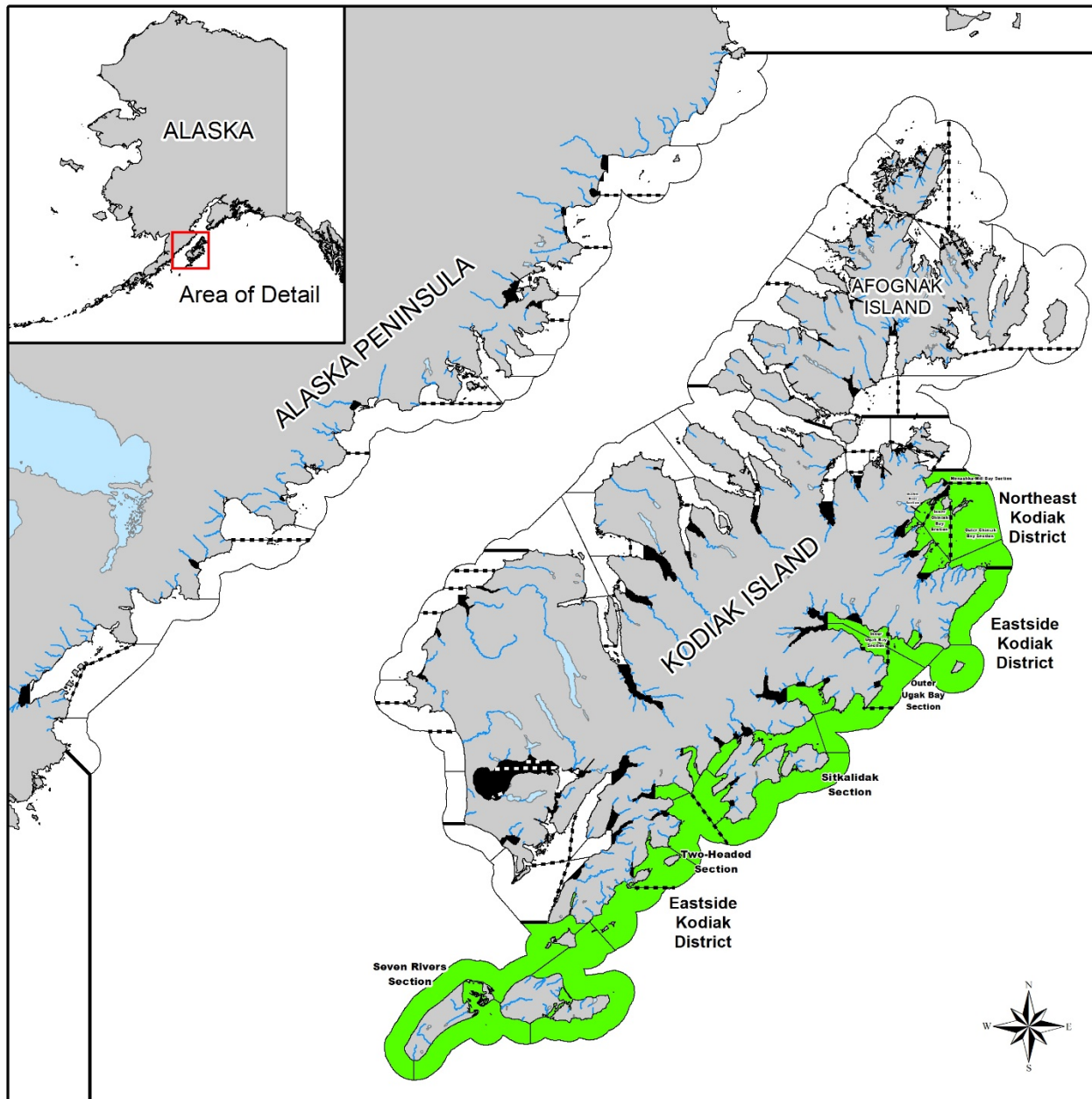
North Afognak/Shuyak Island Salmon MP



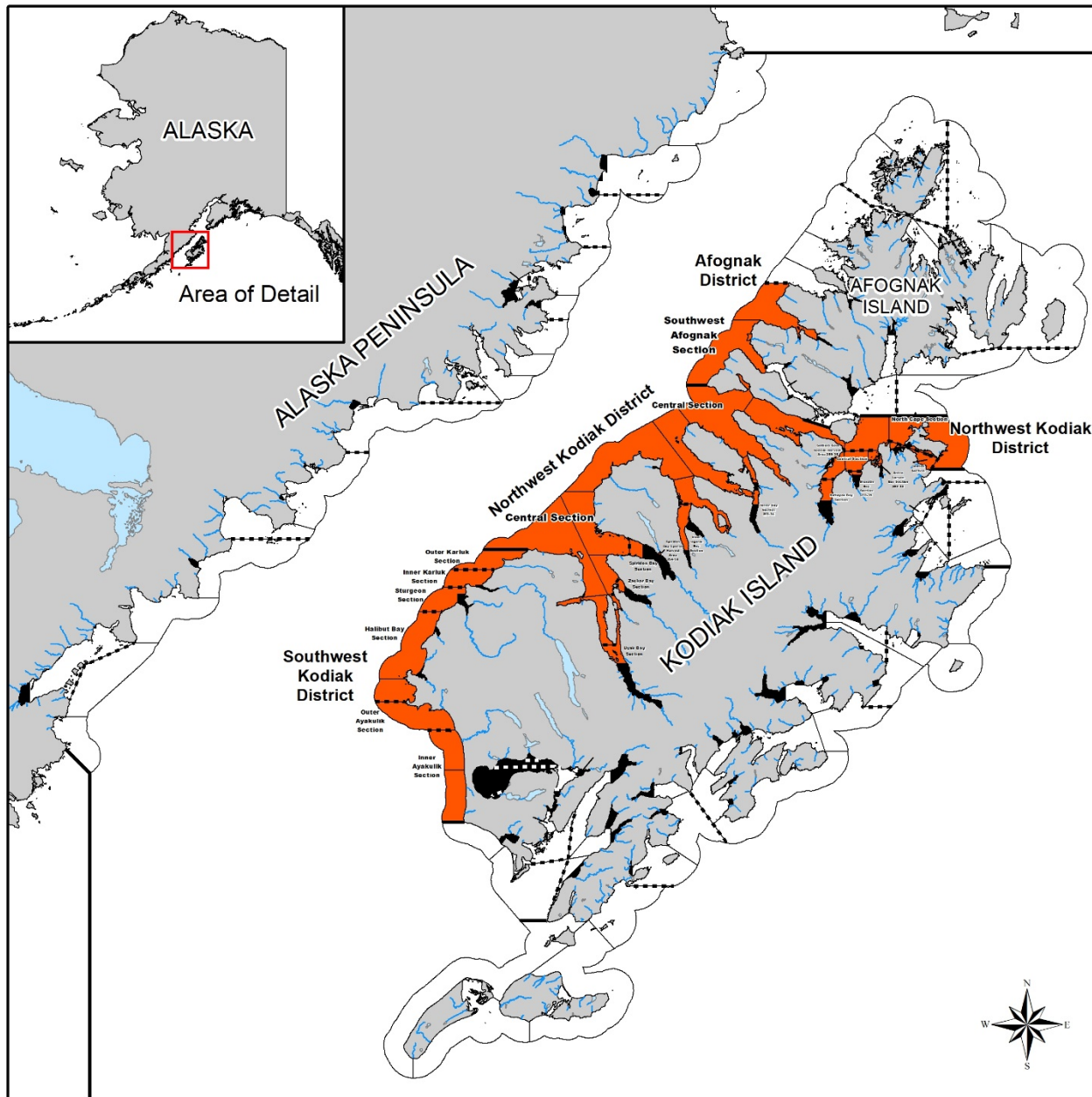
East Afognak Salmon MP



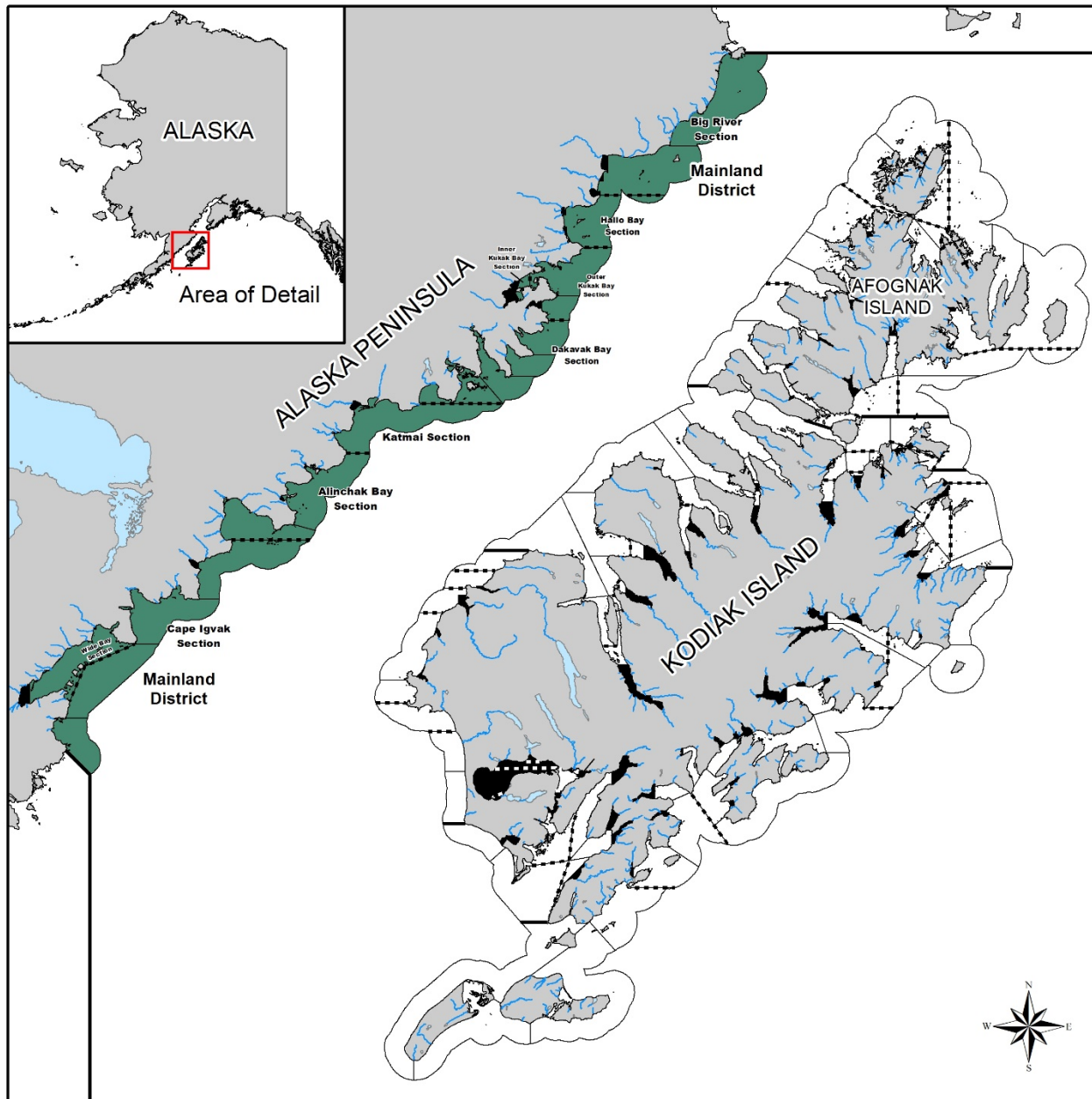
Eastside Kodiak Salmon MP



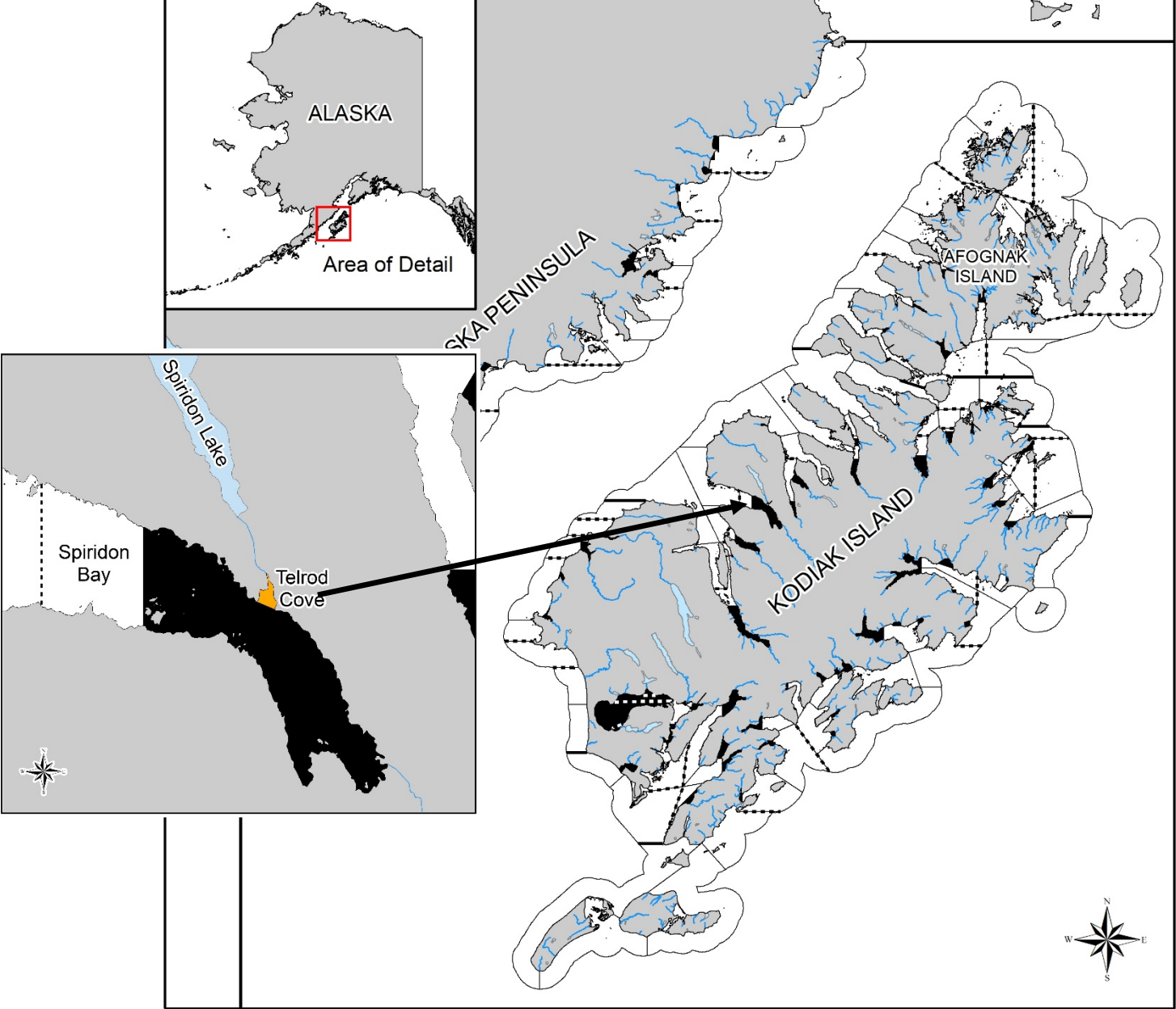
Westside Kodiak Salmon MP



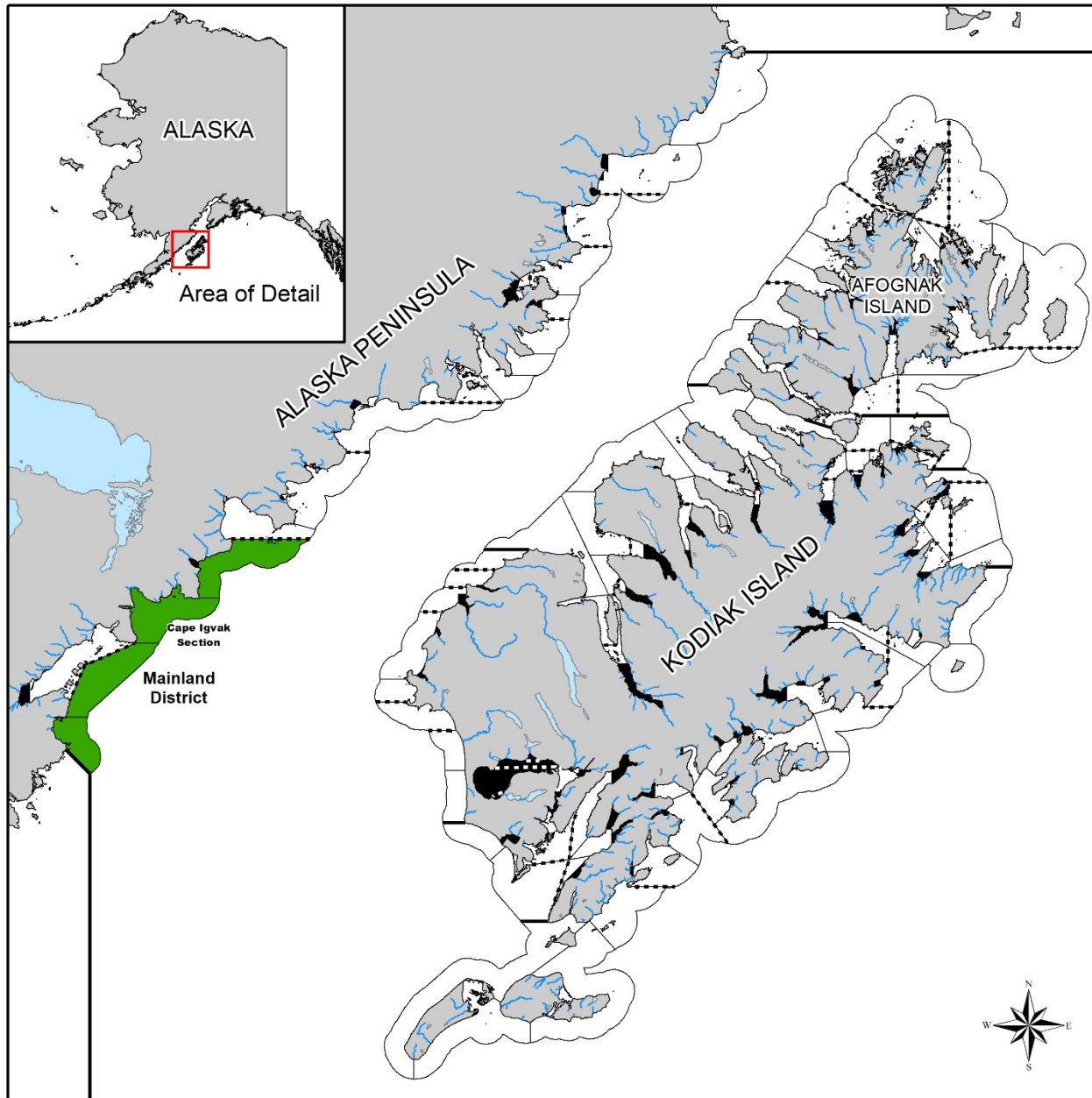
Mainland District Salmon MP



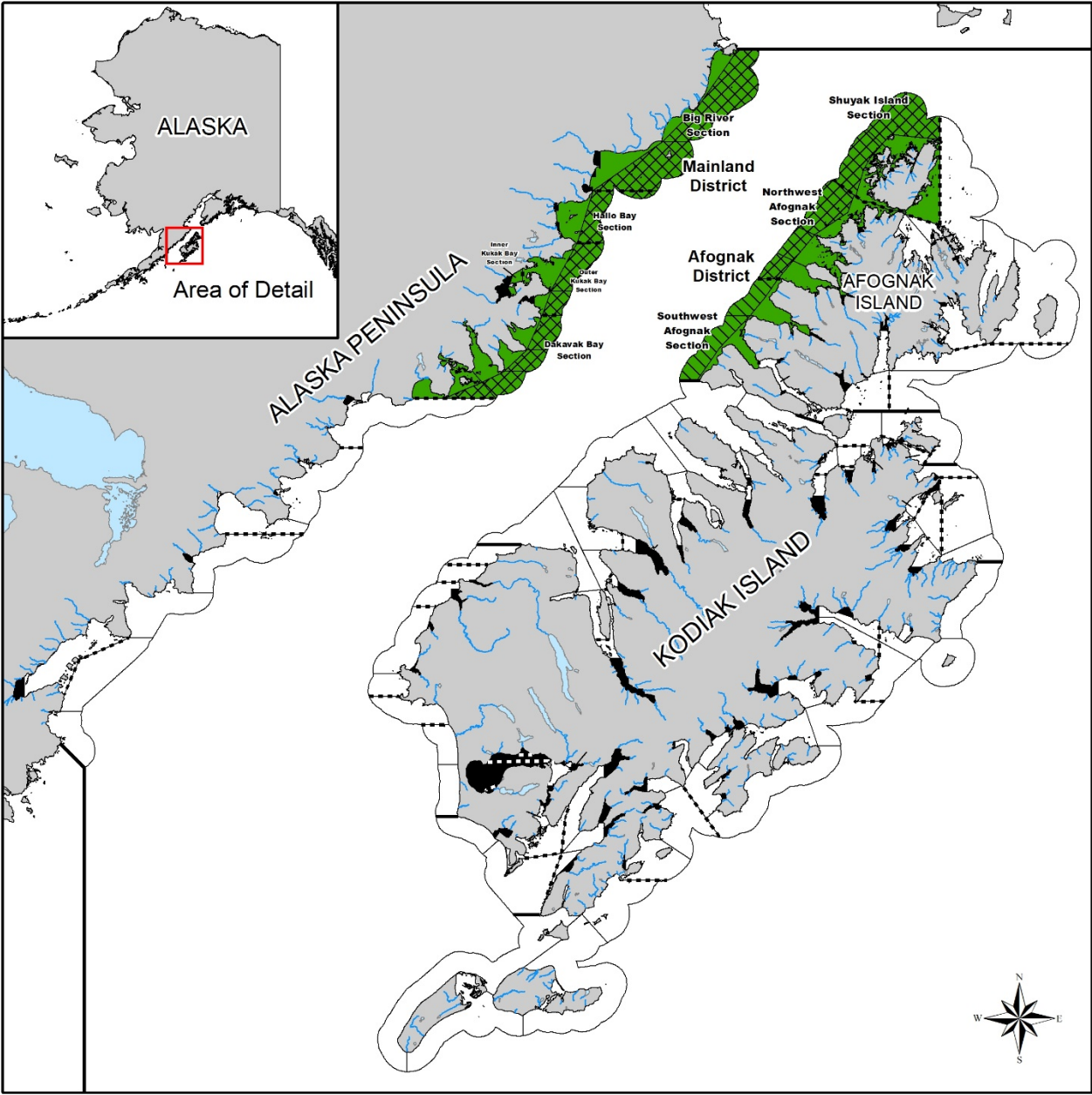
Spiridon Bay Sockeye Salmon MP (Telrod Cove)



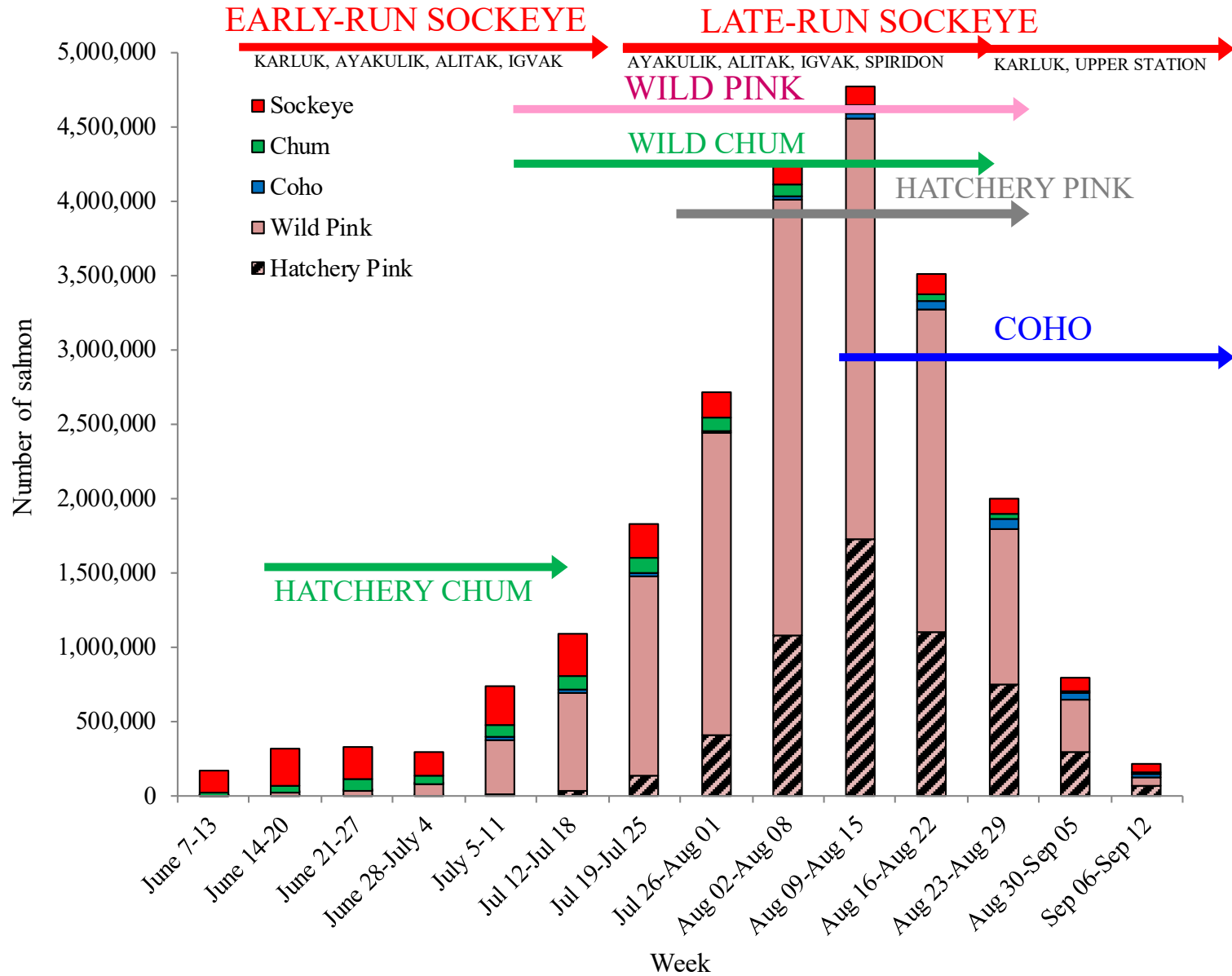
Cape Igvak Salmon MP



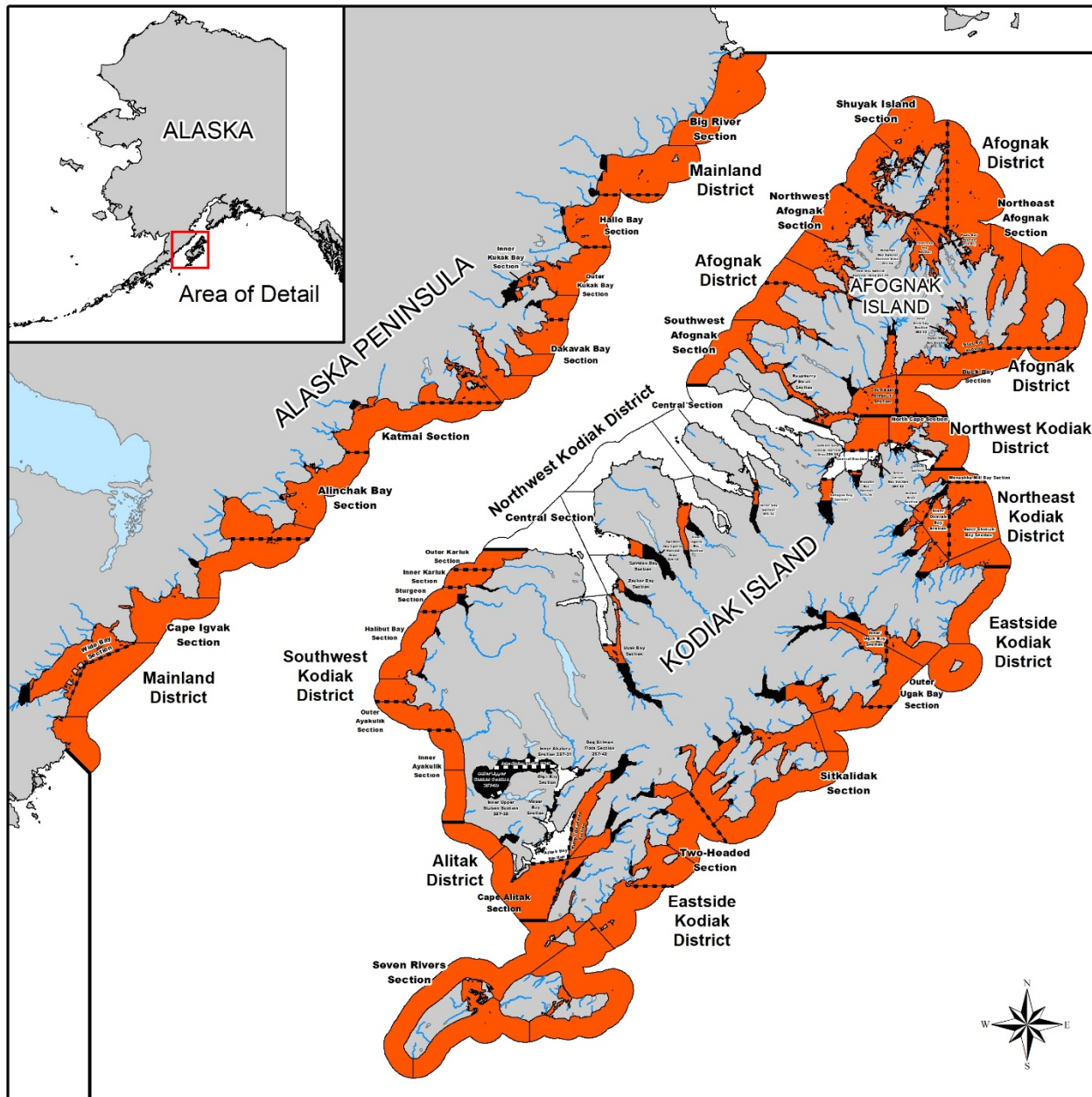
North Shelikof Salmon MP



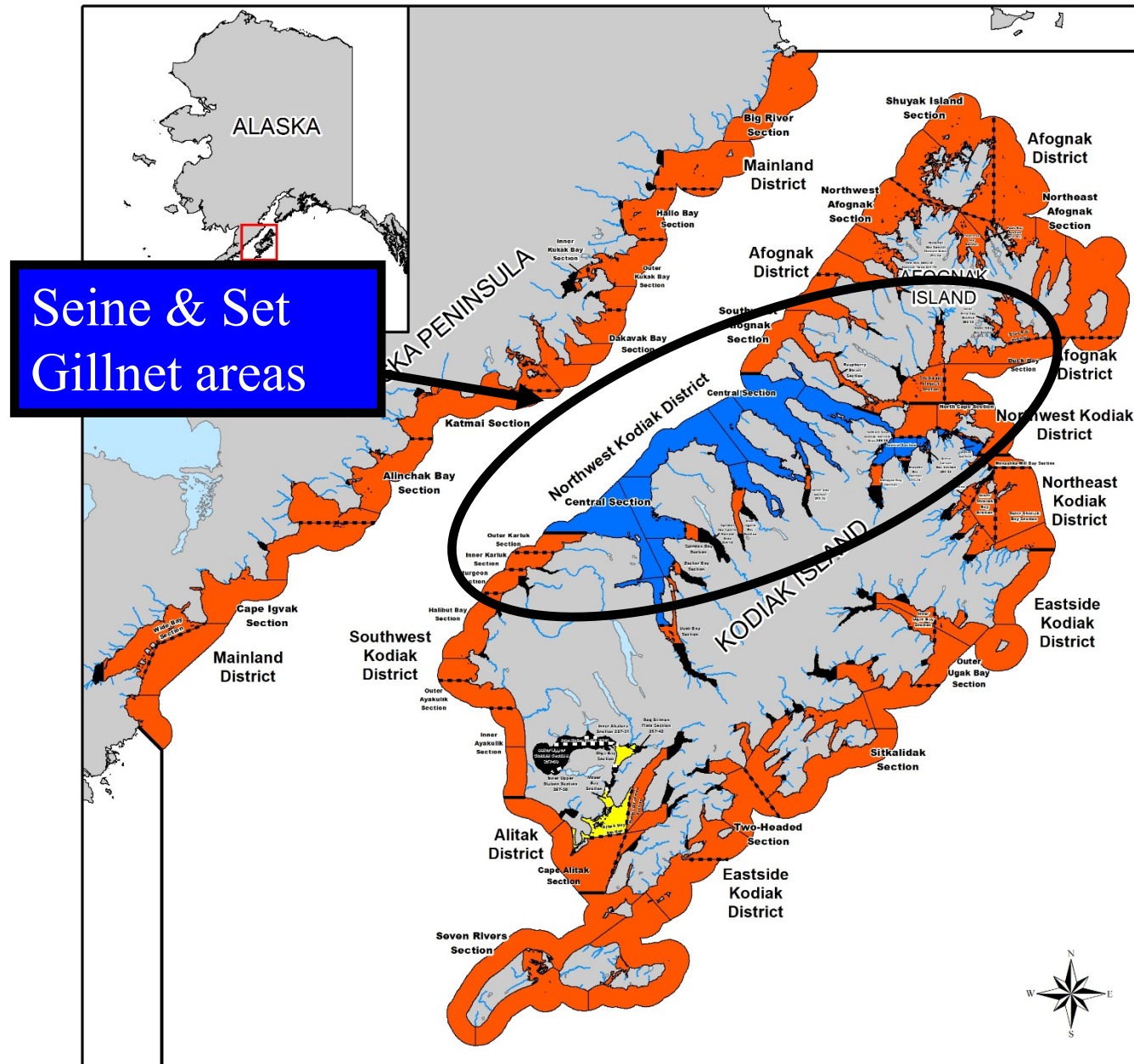
Average Weekly Salmon Harvest for the KMA, 2000-2019



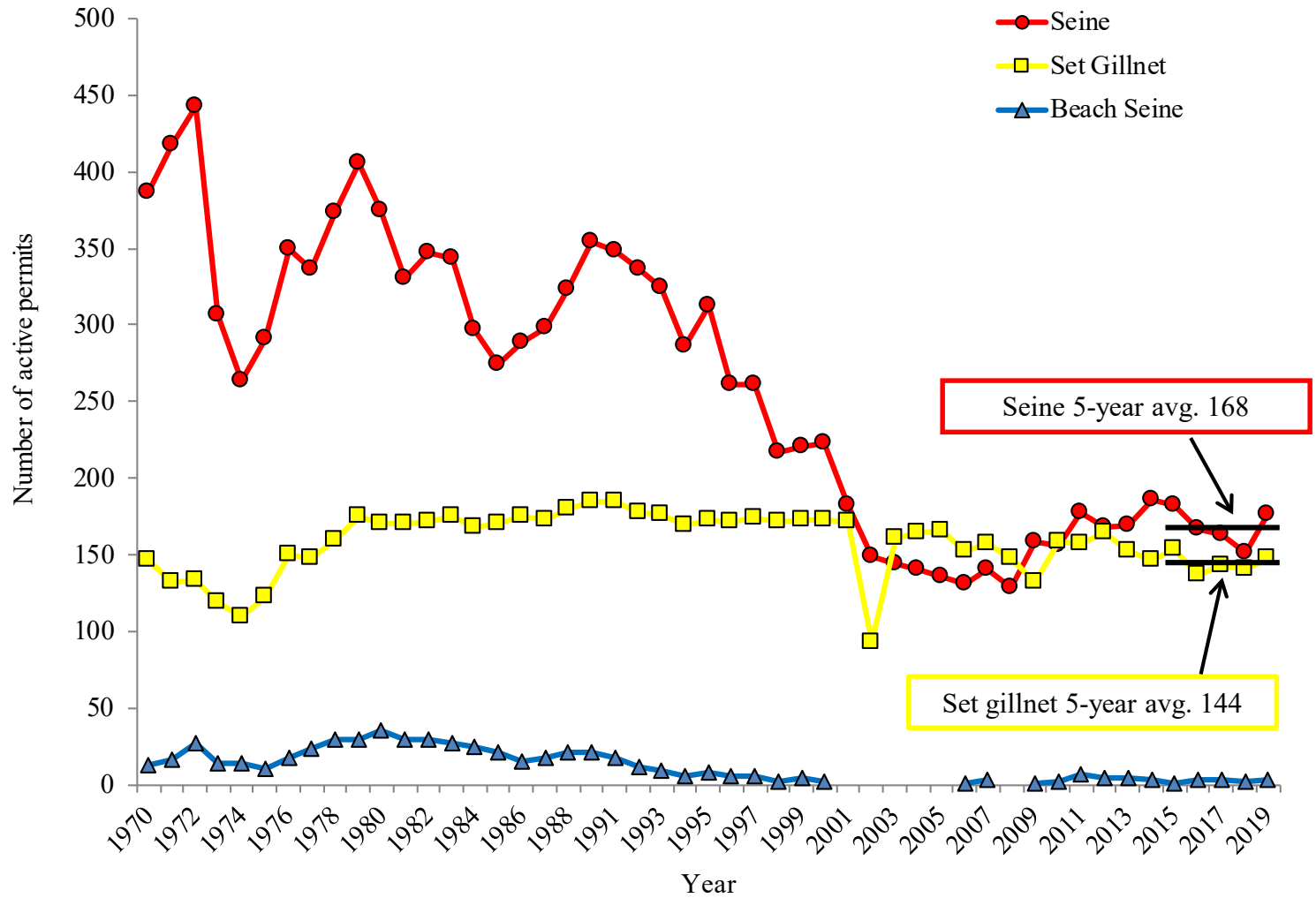
Seine Only Areas



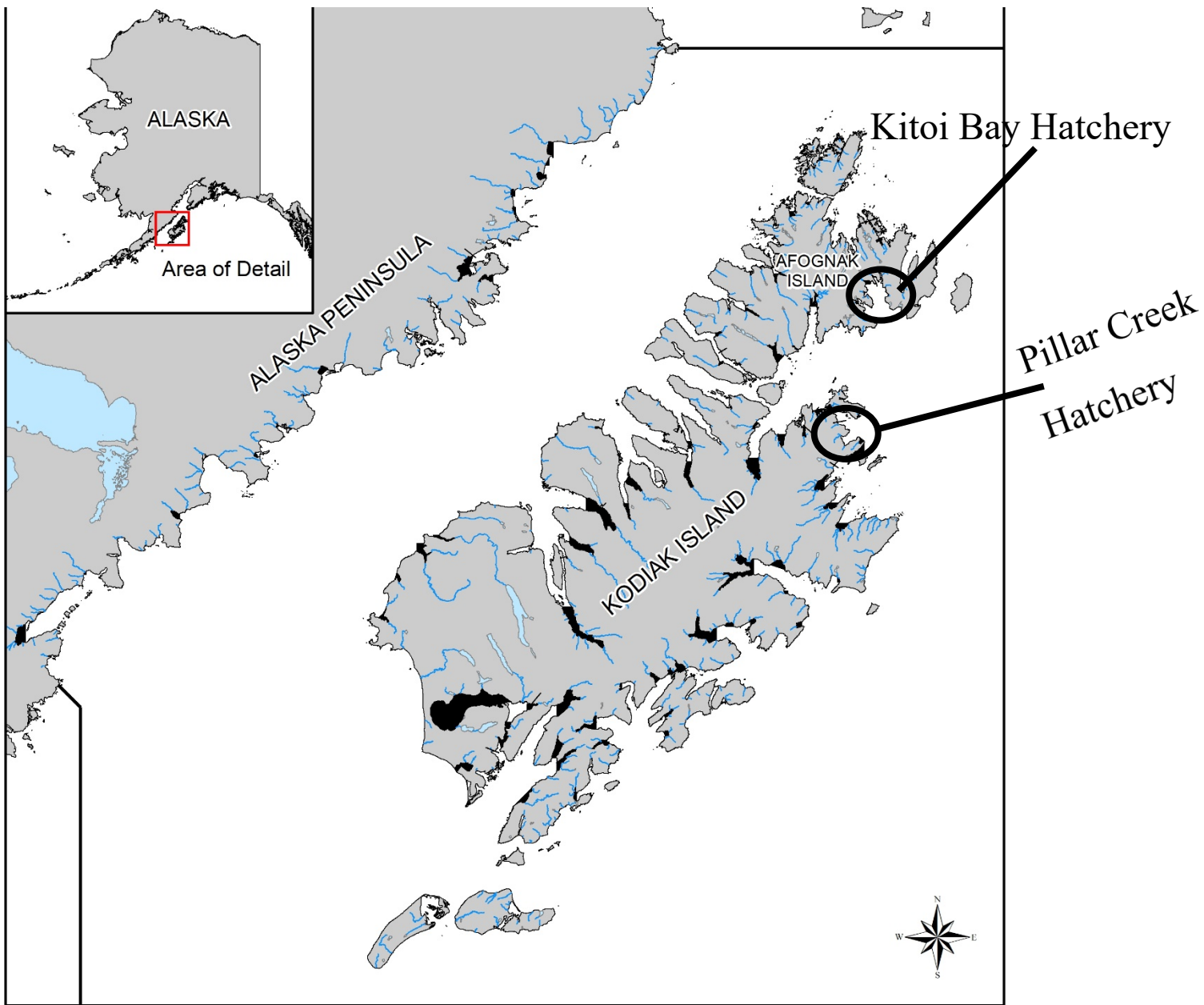
Seine & Set Gillnet Only Areas



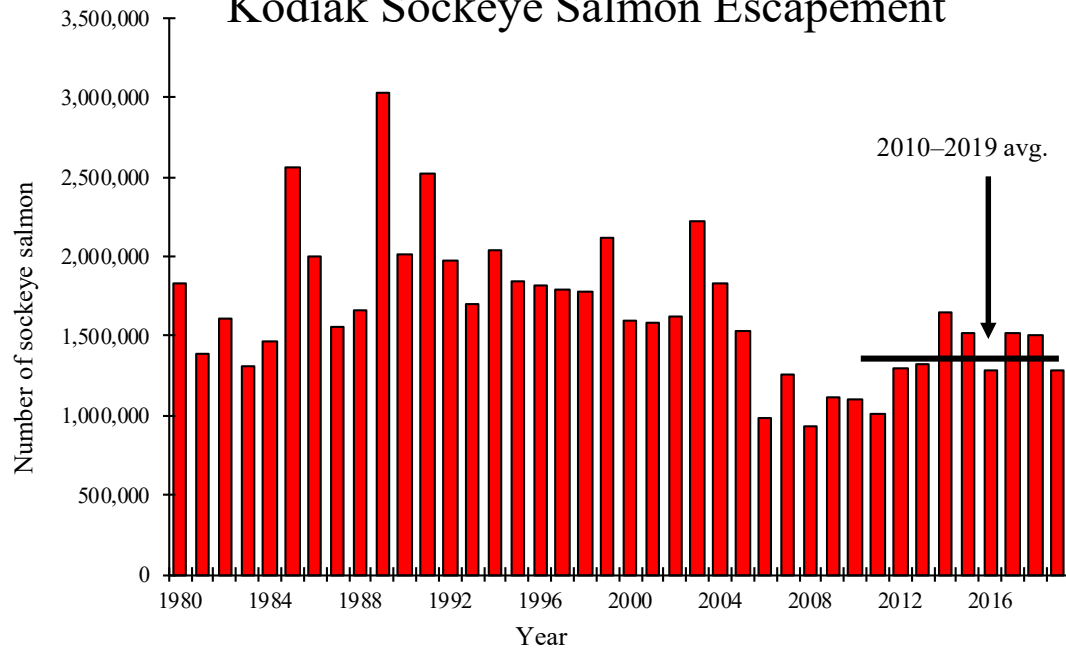
Number of Active (Fished) Kodiak Area Commercial Salmon Permits



Kodiak Hatcheries



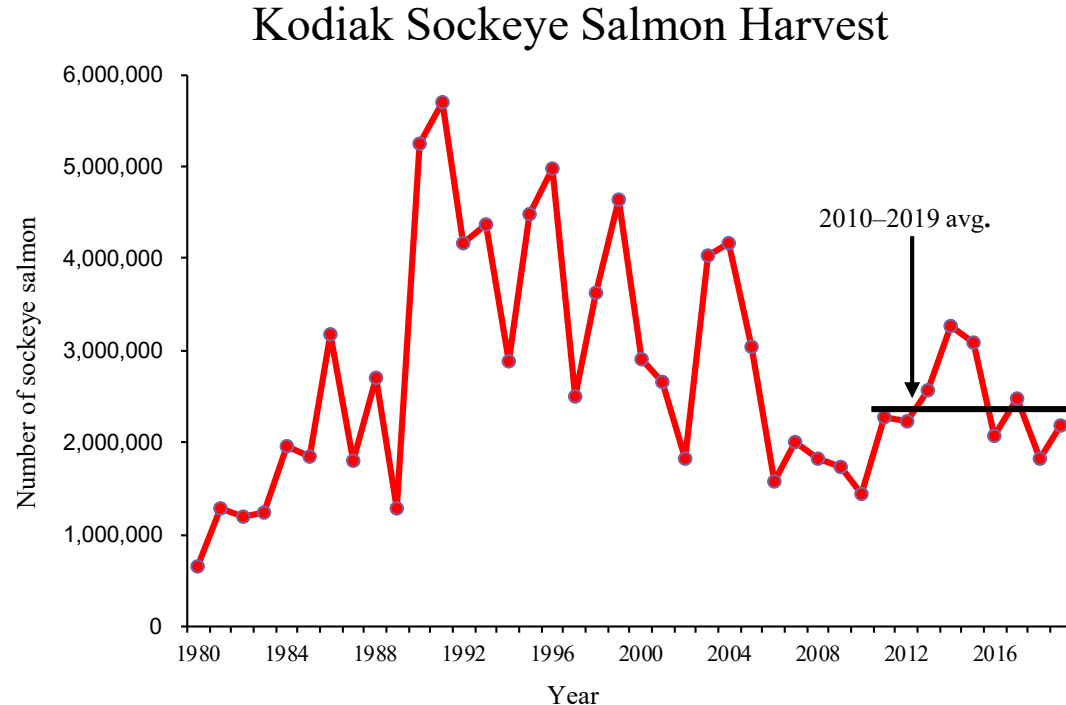
Kodiak Sockeye Salmon Escapement



Kodiak Sockeye Salmon Escapement

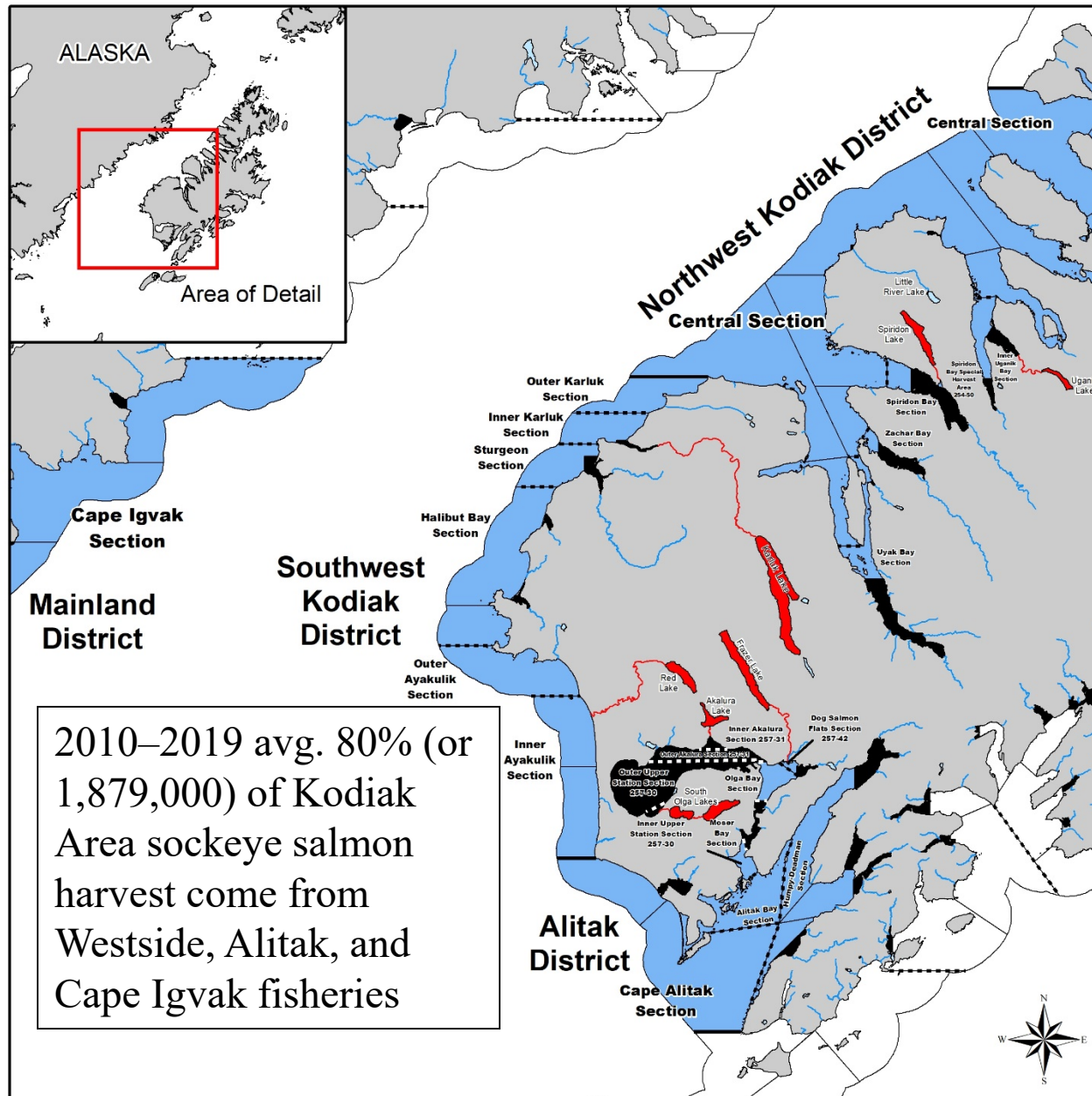
- 2010–2019 avg. escapement of 1,350,000 fish
- 2010–2019 avg. 86% of KMA escapement from Karluk, Ayakulik, Upper Station, and Frazer

Kodiak Sockeye Salmon Harvest

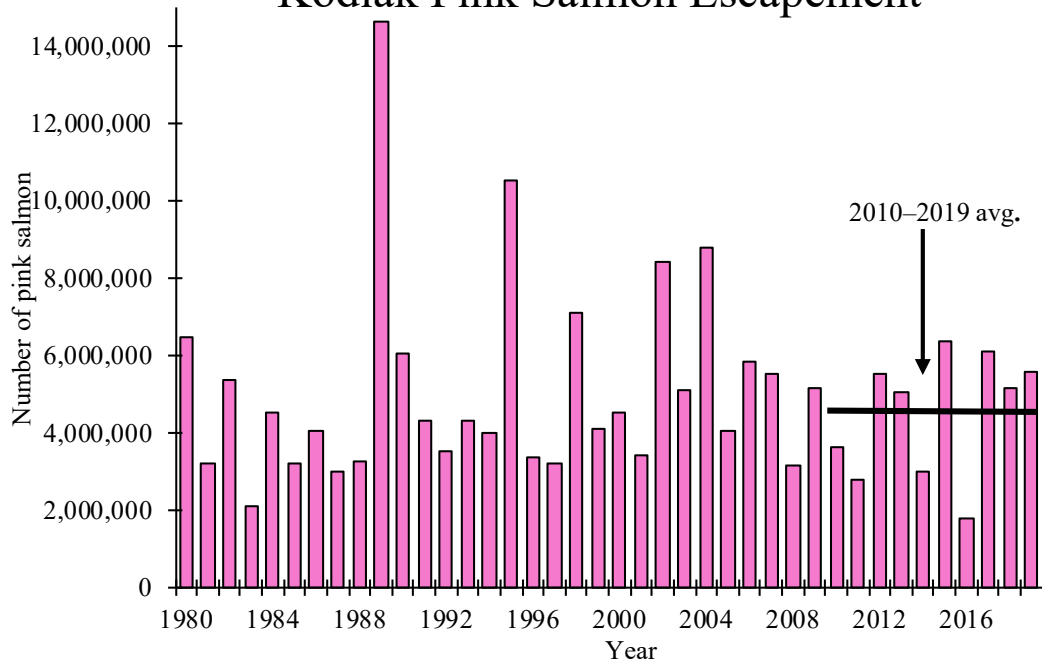


- 2010–2019 avg. harvest of 2,340,000 fish
- 2010–2019 avg. 80% (or 1,879,000) of KMA sockeye salmon harvest from Westside, Alitak, and Cape Igvak

Kodiak Area Sockeye Salmon Harvest



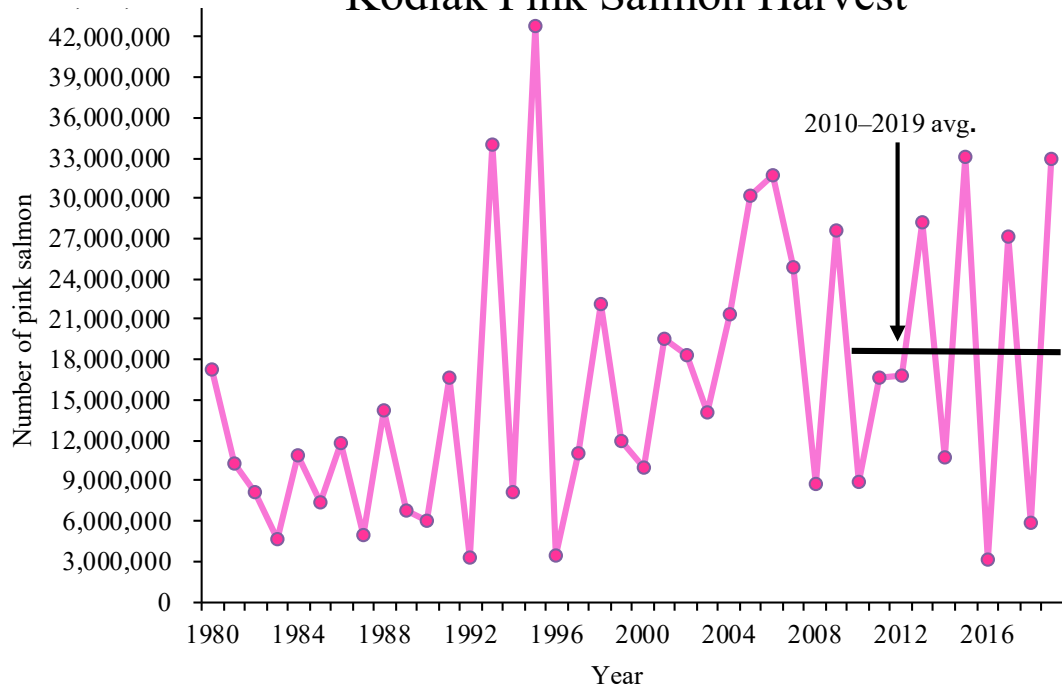
Kodiak Pink Salmon Escapement



Kodiak Pink Salmon Escapement

- Pink salmon are found in virtually every KMA stream
- Since 2007, odd-year dominance
- 2010-2019 avg. **index** escapement of 4,500,000 fish

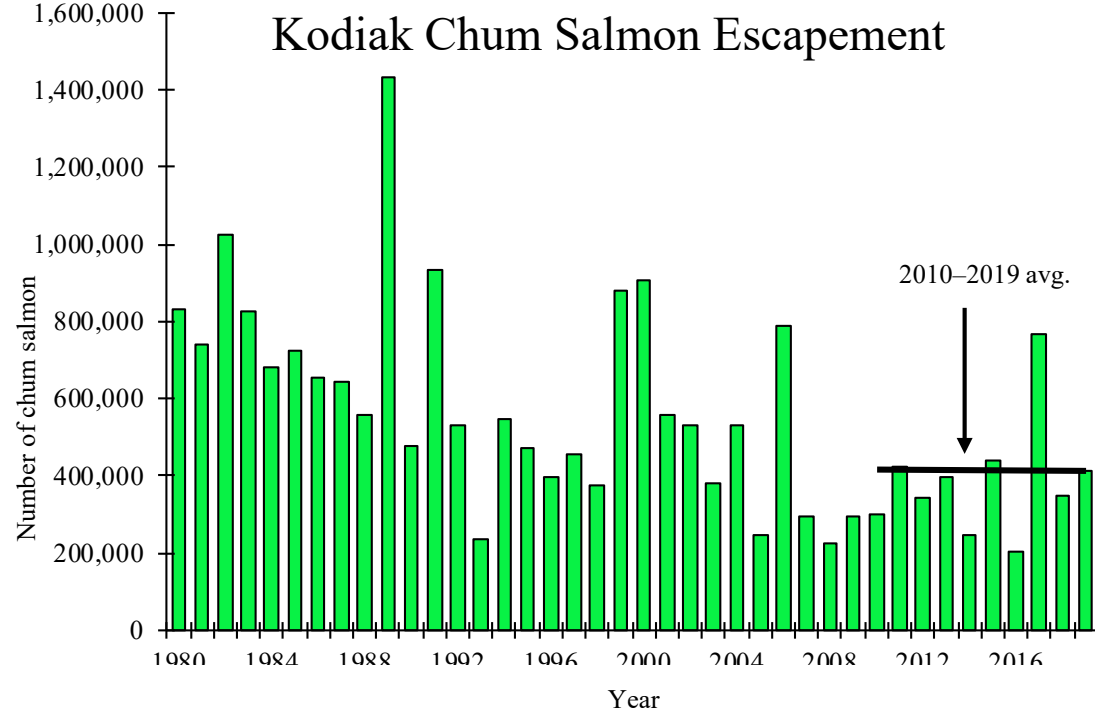
Kodiak Pink Salmon Harvest



Kodiak Pink Salmon Harvest

- Variable relative abundance
- Harvest of 33 million (2019) to 5.9 million fish (2018)
- 2010-2019 avg. harvest of 18,500,000 fish
- 2010-2019 avg. 71% of KMA pink salmon harvested in non-hatchery areas

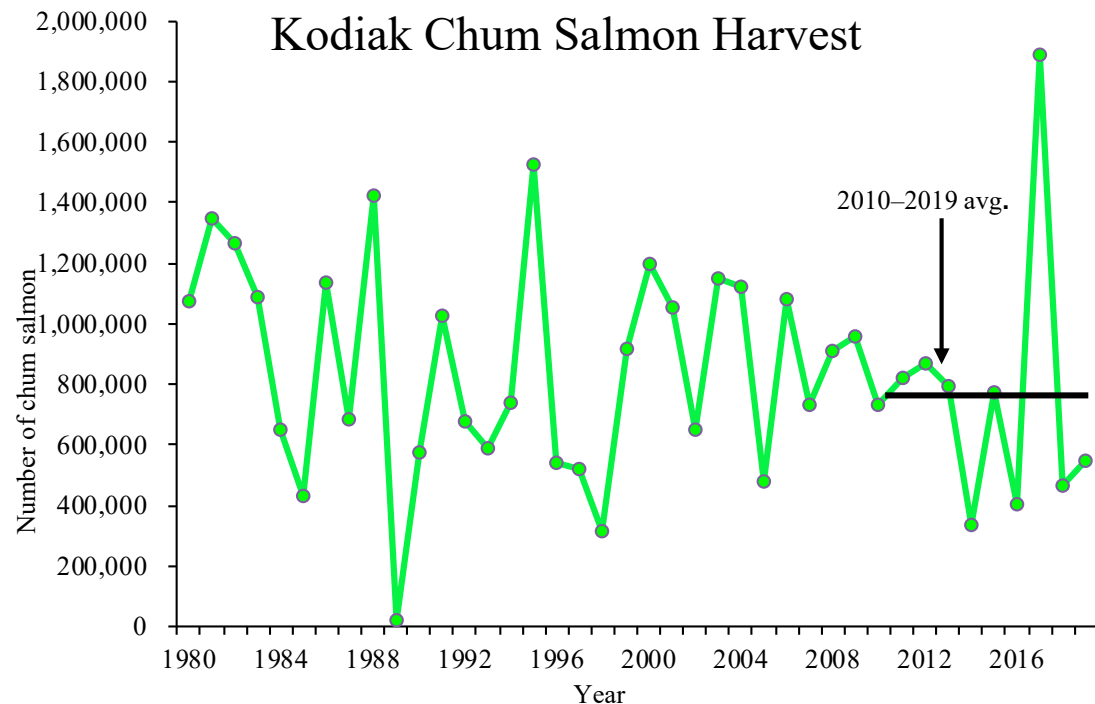
Kodiak Chum Salmon Escapement



Kodiak Chum Salmon Escapement

- Chum salmon are found in approximately 150 KMA streams
- 2010–2019 avg. index escapement of 387,000 fish
- Part of recent low escapement numbers reflect less aerial surveys

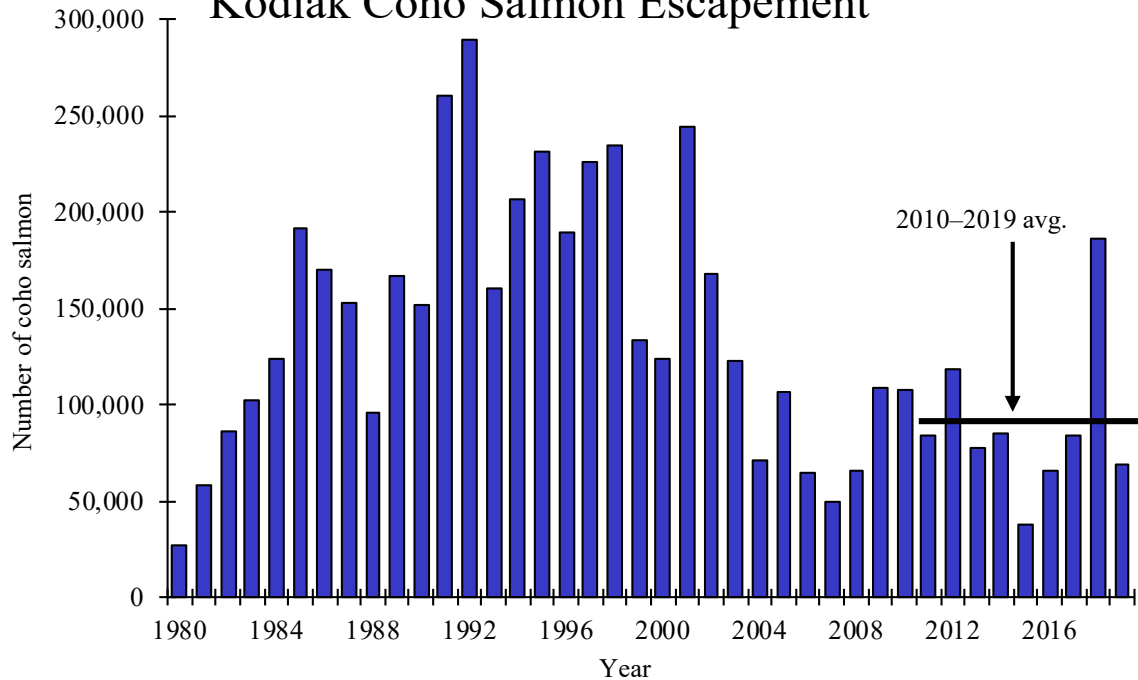
Kodiak Chum Salmon Harvest



Kodiak Chum Salmon Harvest

- 2010–2019 avg. harvest of 763,000 fish
- 2010–2019 avg. 82% of KMA chum salmon harvested in non hatchery areas
- Low harvest in 2014, 2016 and 2018 mostly due to weak pink run and restrictive fishing time

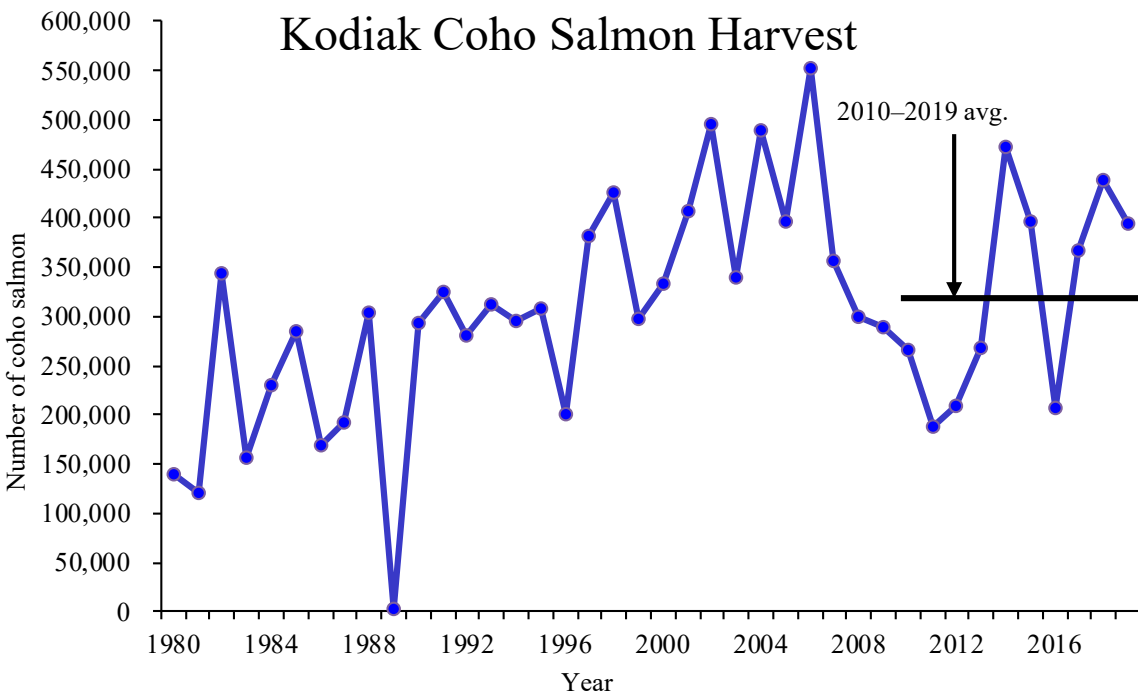
Kodiak Coho Salmon Escapement



Kodiak Coho Salmon Escapement

- Coho salmon are found in approximately 150 KMA streams
- 2010–2019 avg. 92,000 fish
- Part of recent low escapement numbers reflect less weirs, less weir time and less aerial surveys

Kodiak Coho Salmon Harvest

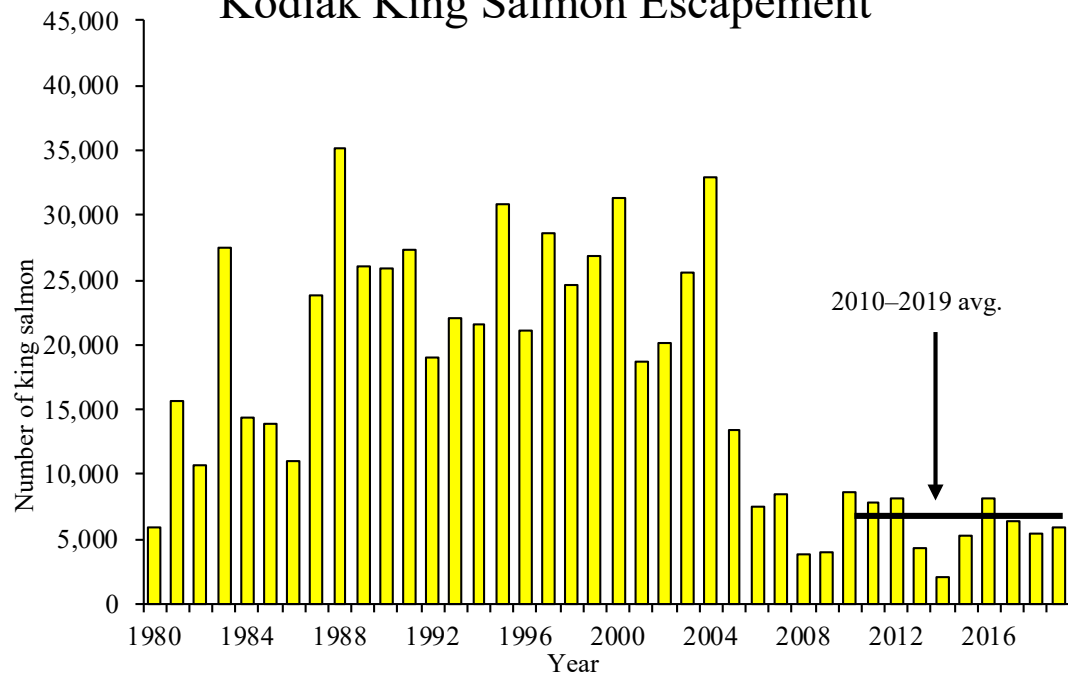


- Kodiak has large coho stocks but the department but little money or resources to monitor

Kodiak Coho Salmon Harvest

- 2010–2019 avg. 320,000 fish
- 2010–2019 avg. 76% of KMA coho salmon harvested in non-hatchery areas

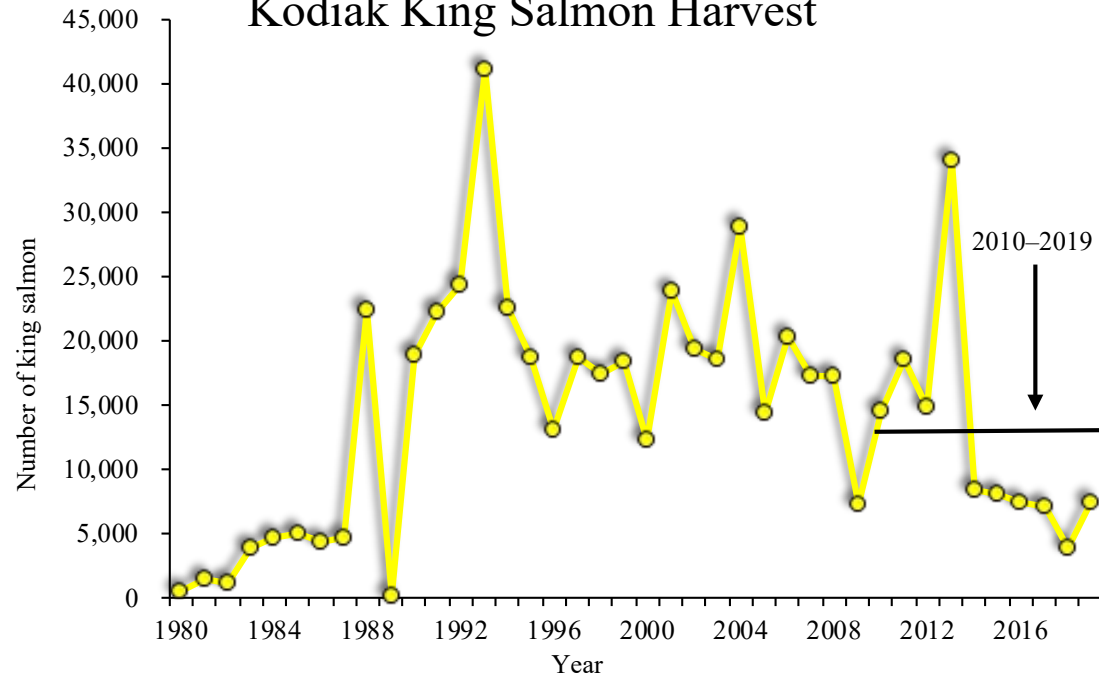
Kodiak King Salmon Escapement



KODIAK KING SALMON ESCAPEMENT

- KMA has two systems, Karluk and Ayakulik Rivers
- 2010–2019 avg. 6,200 fish
- Karluk king salmon listed as **Stock of Management Concern in 2011**

Kodiak King Salmon Harvest

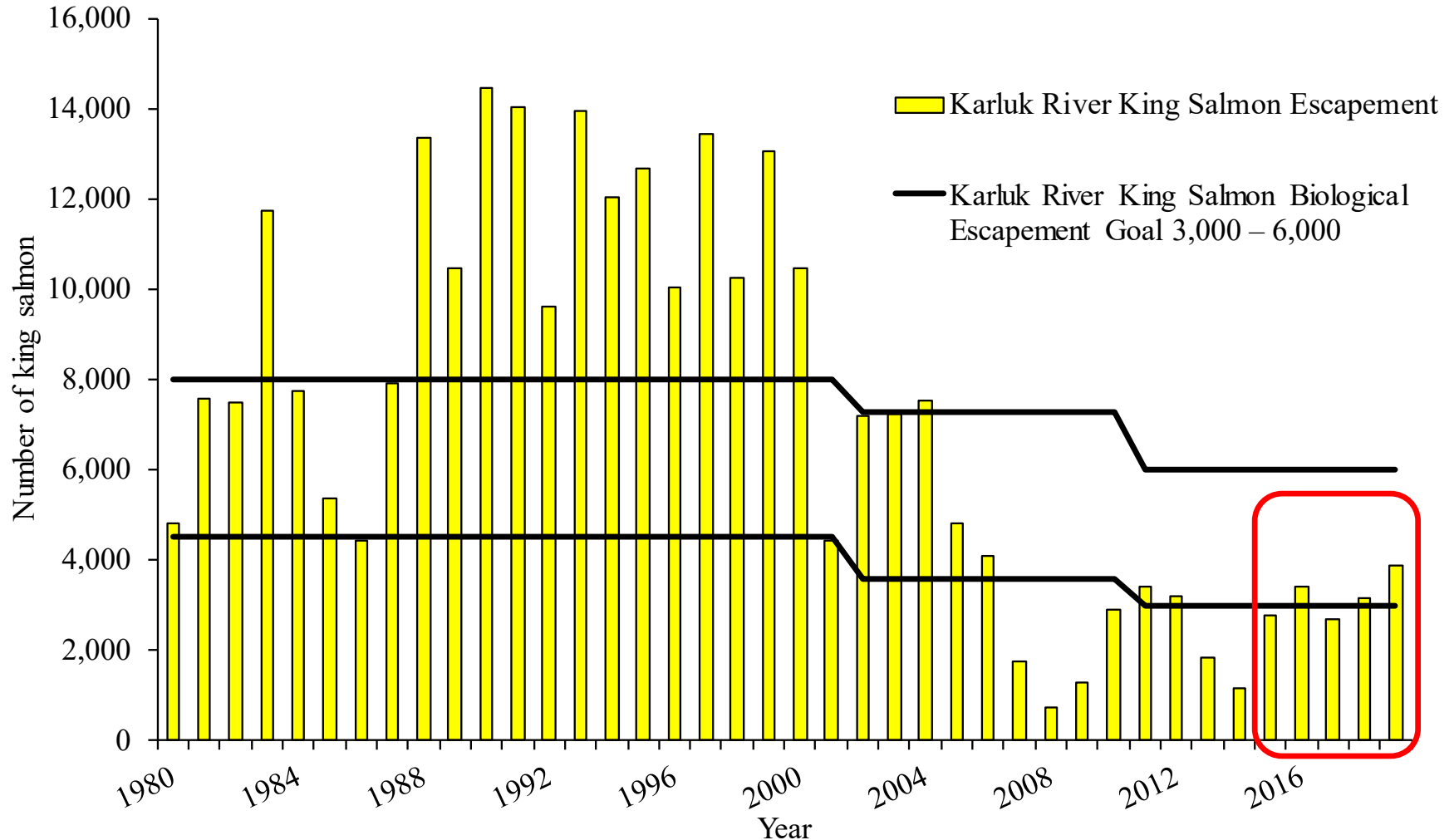


KODIAK KING SALMON HARVEST

- 2010–2019 avg. 12,400 fish
- Significant decline in harvest the past 6 seasons
- Non retention on Westside of Kodiak 2011-2013
- June area wide non retention 2014-2019

Karluk King Salmon Escapement

- Achieved the BEG of 3,000 to 6,000 for 3 of the past 4 years



Questions