



*Cape Igvak,  
Mainland District, and  
North Shelikof Strait Sockeye  
Salmon Management Plans*

by Todd Anderson

Report to the Alaska Board of Fisheries  
January 2020

Oral: RC 3; Tab 5  
Staff Comments: RC 2

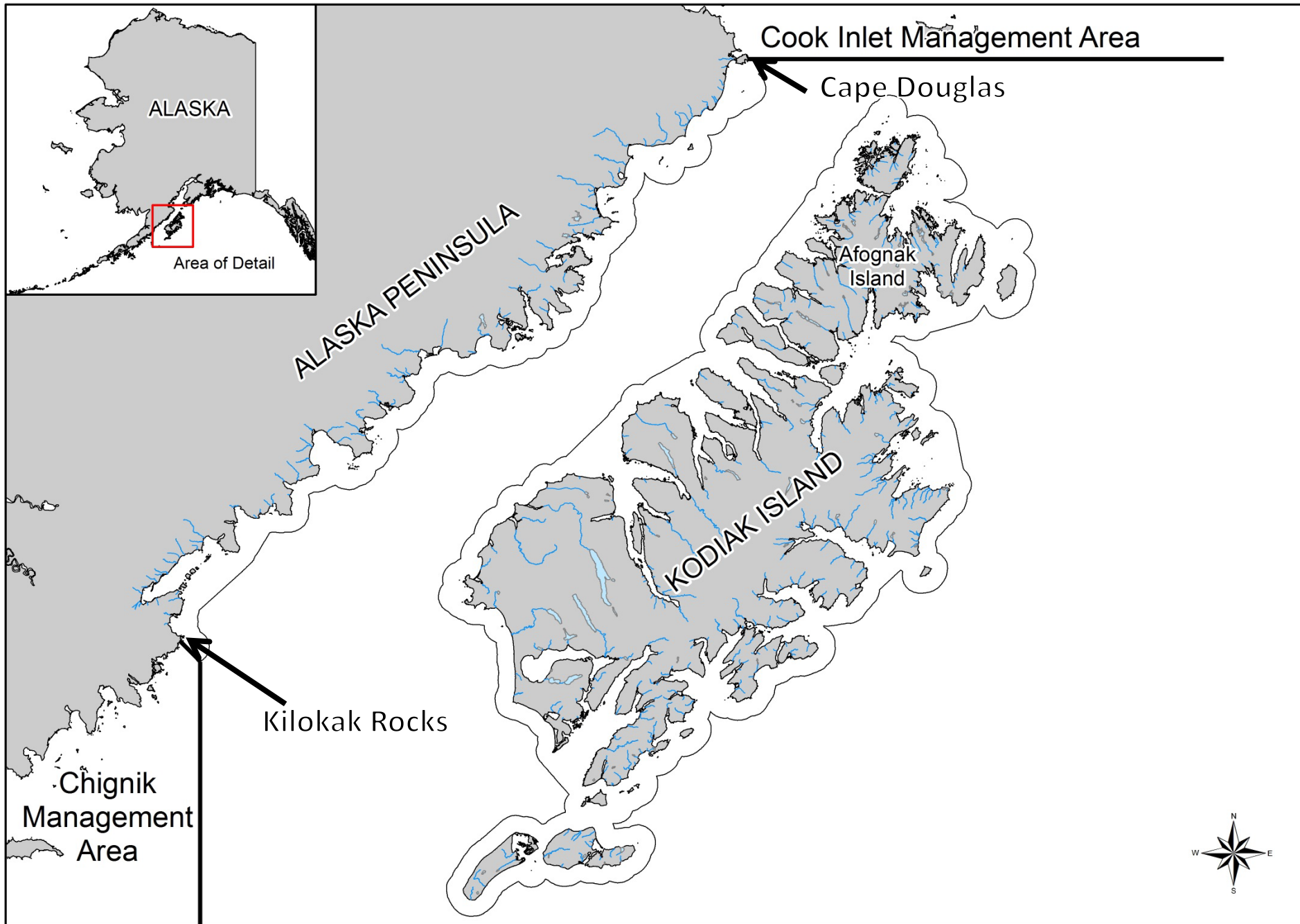
# Topics to be Covered

The Cape Igvak Salmon MP

The Mainland District Salmon MP

The North Shelikof Sockeye Salmon MP

- Area description and history of the fishery
- Current fishery and harvests
- Fisheries proposals





# Cook Inlet Management Area



ALASKA PENINSULA

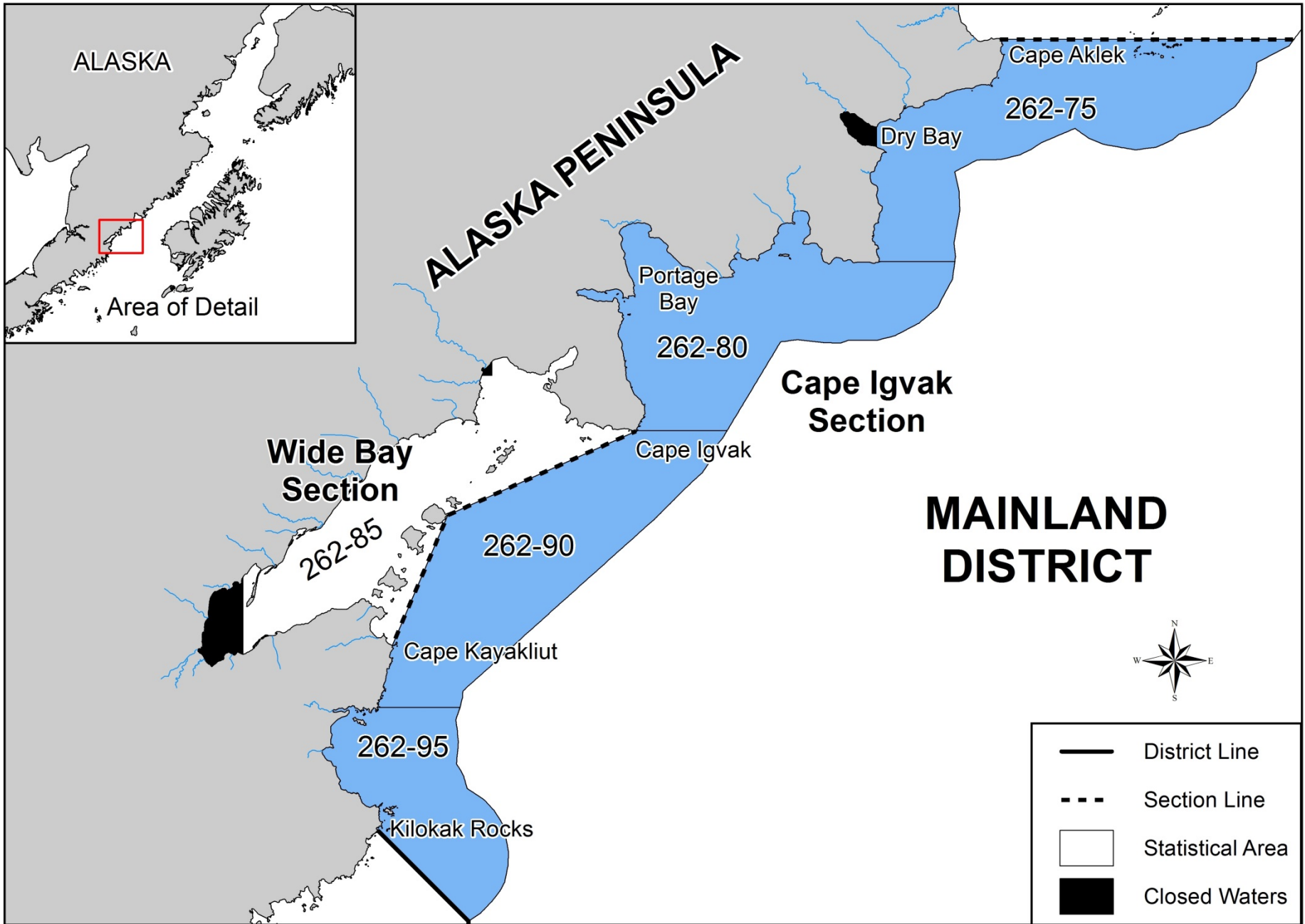
Afognak Island

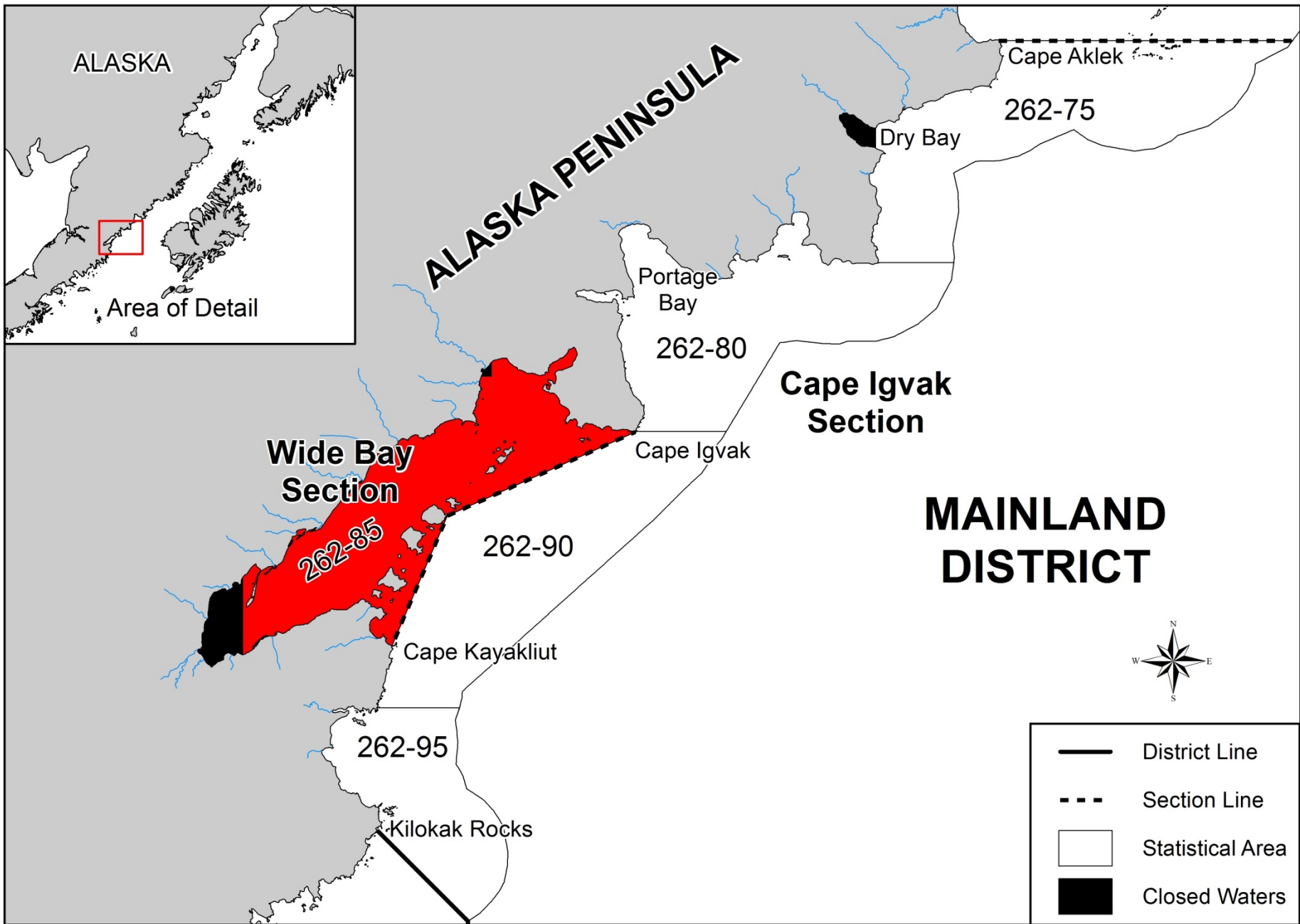
KODIAK ISLAND

Chignik Management Area









# Cape Igvak Salmon Management Plan

- 1964: Purse seine fishery developed
- 1964–1970: Set weekly fishing periods based on Chignik forecast
  - 1969 - 80% of sockeye salmon harvested originated from the Chignik Management Area (CMA)
- 1971–1973: Fishing periods modified inseason based on perceived run strength
- 1974–1977: “Day for day” equal fishing time with the CMA
- 1978: Cape Igvak Salmon Management Plan adopted by the board
  - Initially 80% of sockeye salmon considered Chignik-bound
  - Changed to 90% in 2002



# Cape Igvak Salmon Management Plan

- June 1 through July 25

## Biological and Allocative Criteria

- Chignik River achieving interim escapement objectives
- 600,000 sockeye salmon harvest through July 25 projected in the CMA
- CMA fishes first
- Fishing disallowed or severely restricted from June 26 through July 8 (overlap period)

# Cape Igvak Salmon Management Plan

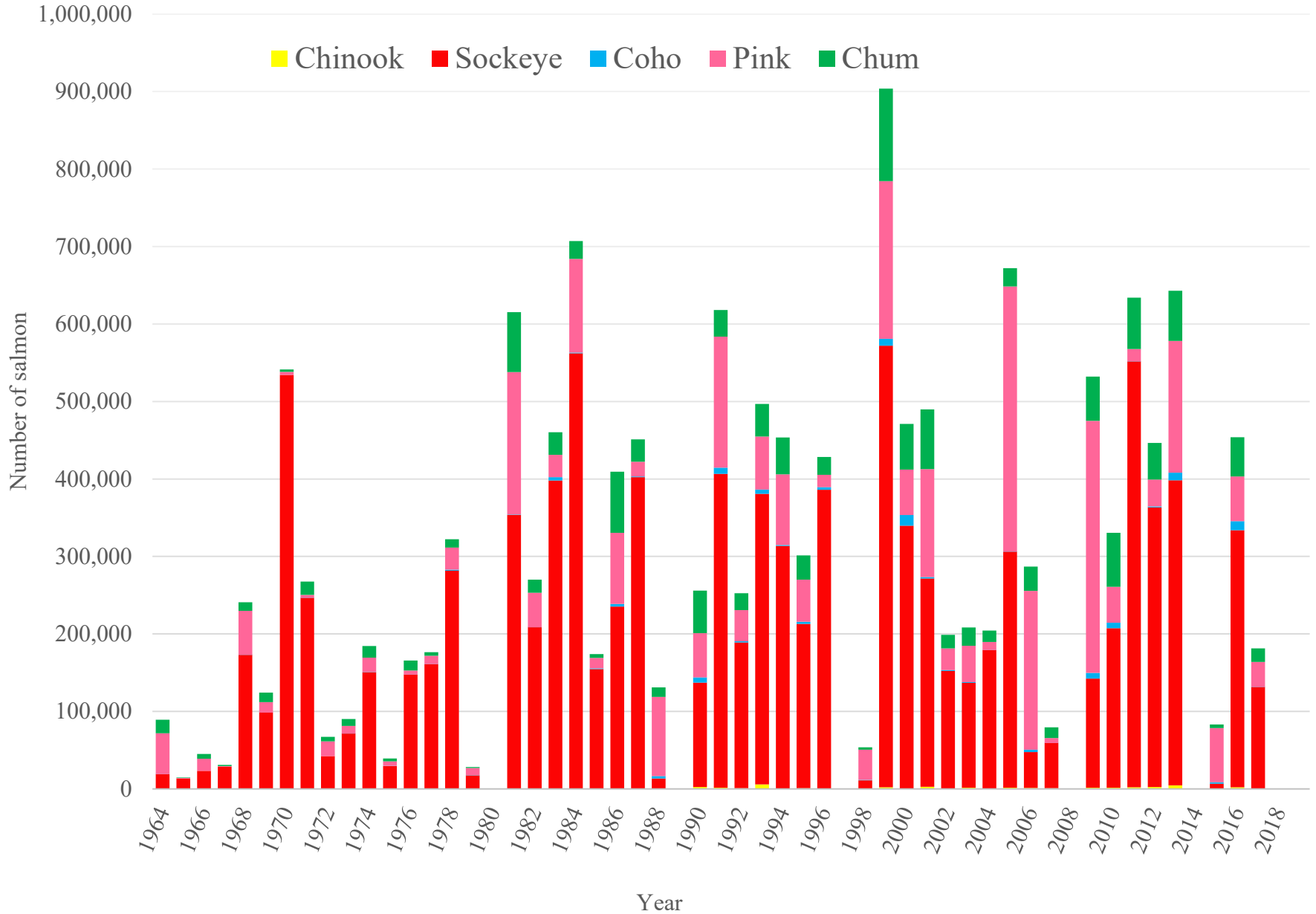
- Cape Igvak sockeye salmon harvest should be as close as possible to 15% of total Chignik-bound sockeye salmon harvest
- Harvest can fluctuate above or below 15%
- 90% of fish harvested at Cape Igvak are considered Chignik-bound

# Chignik-Bound Sockeye Salmon

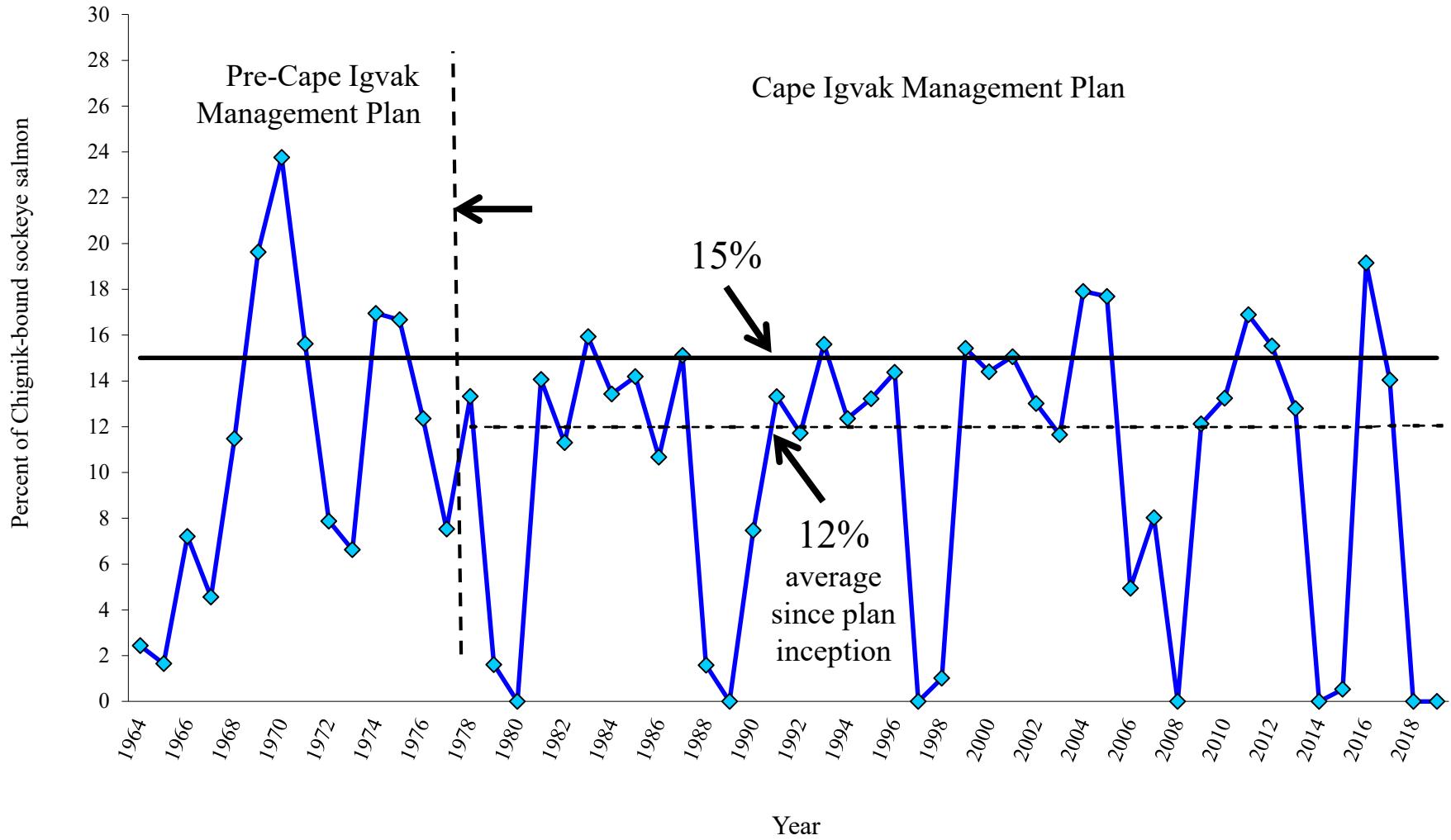
- 100% of sockeye salmon harvested in CMA
- 90% of the sockeye salmon harvested in the Cape Igvak Section
- 80% of the sockeye salmon harvested in the Southeastern District Mainland of Area M



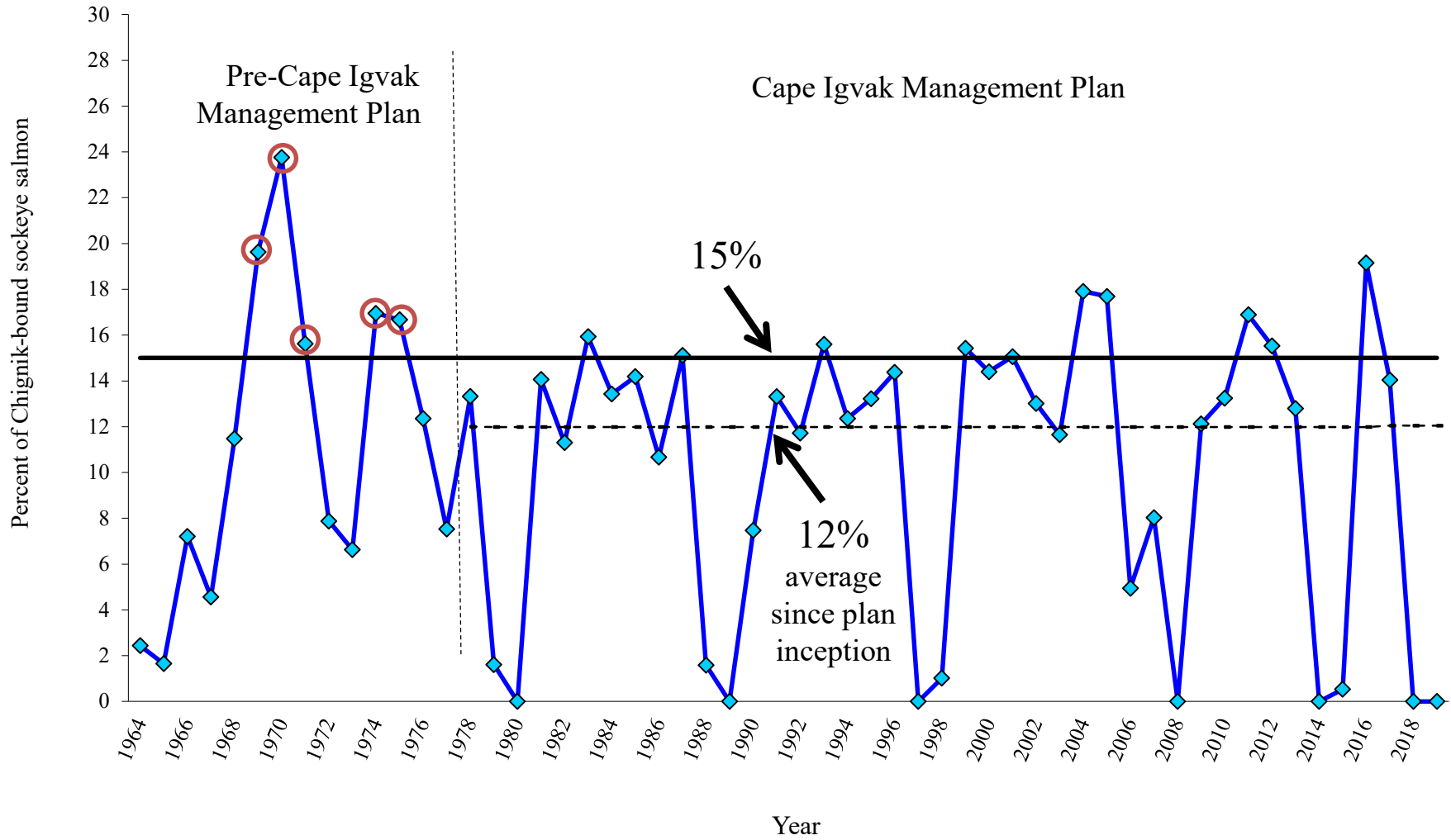
# Cape Igvak Section harvest by species



# Percent harvest of Chignik-bound sockeye salmon in the Cape Igvak Section

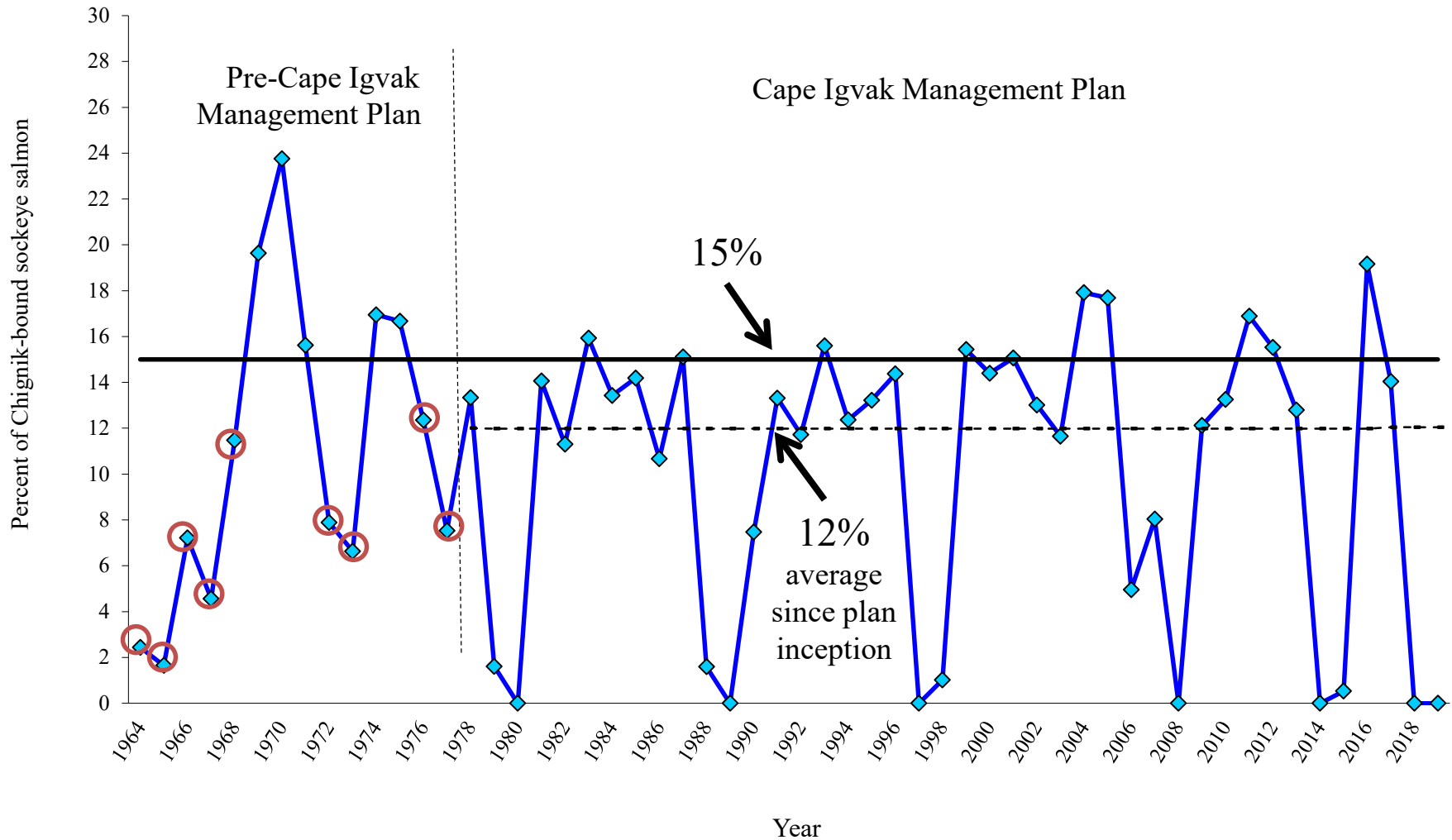


# Percent harvest of Chignik-bound sockeye salmon in the Cape Igvak Section

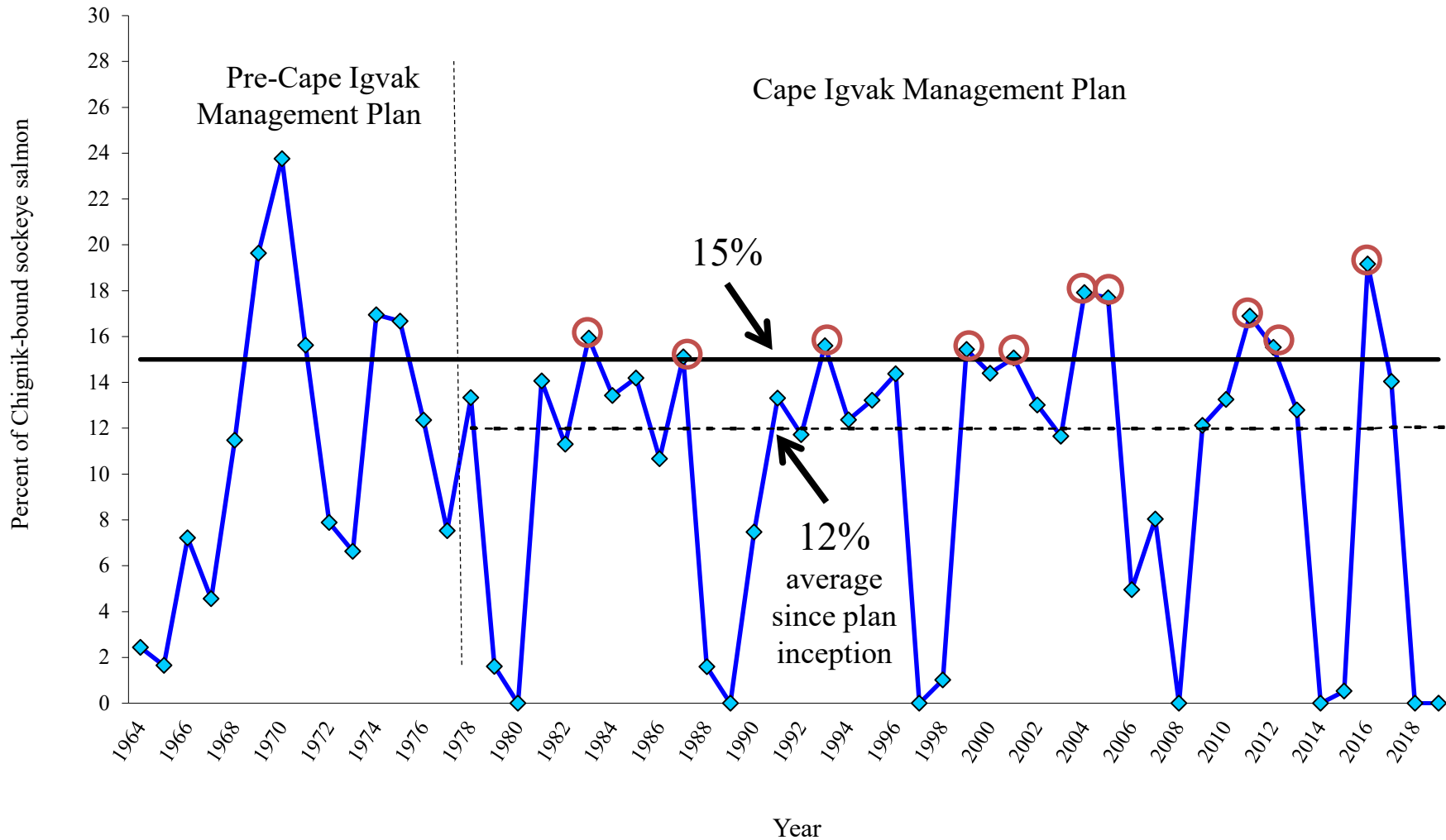




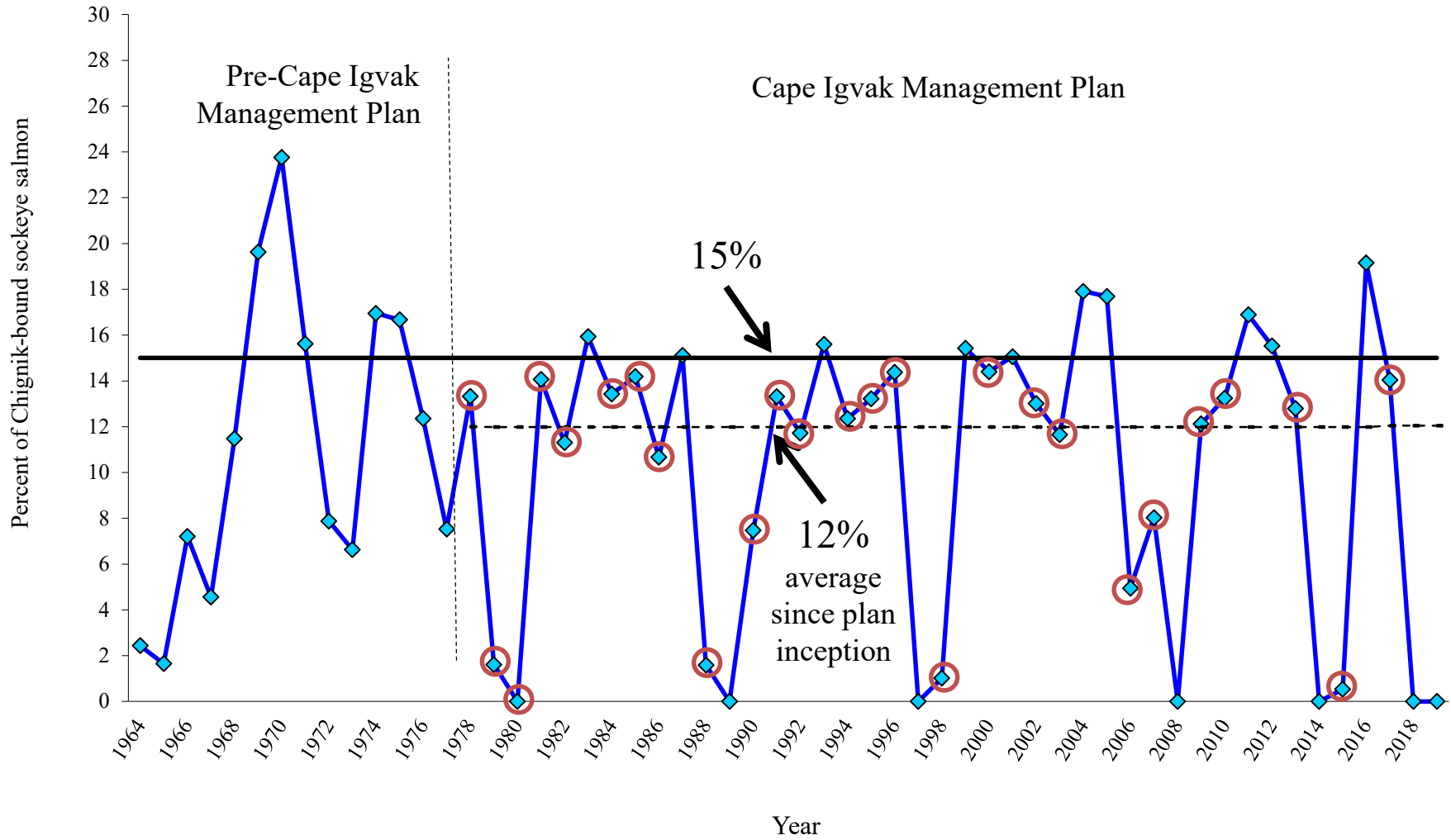
# Percent harvest of Chignik-bound sockeye salmon in the Cape Igvak Section



# Percent harvest of Chignik-bound sockeye salmon in the Cape Igvak Section

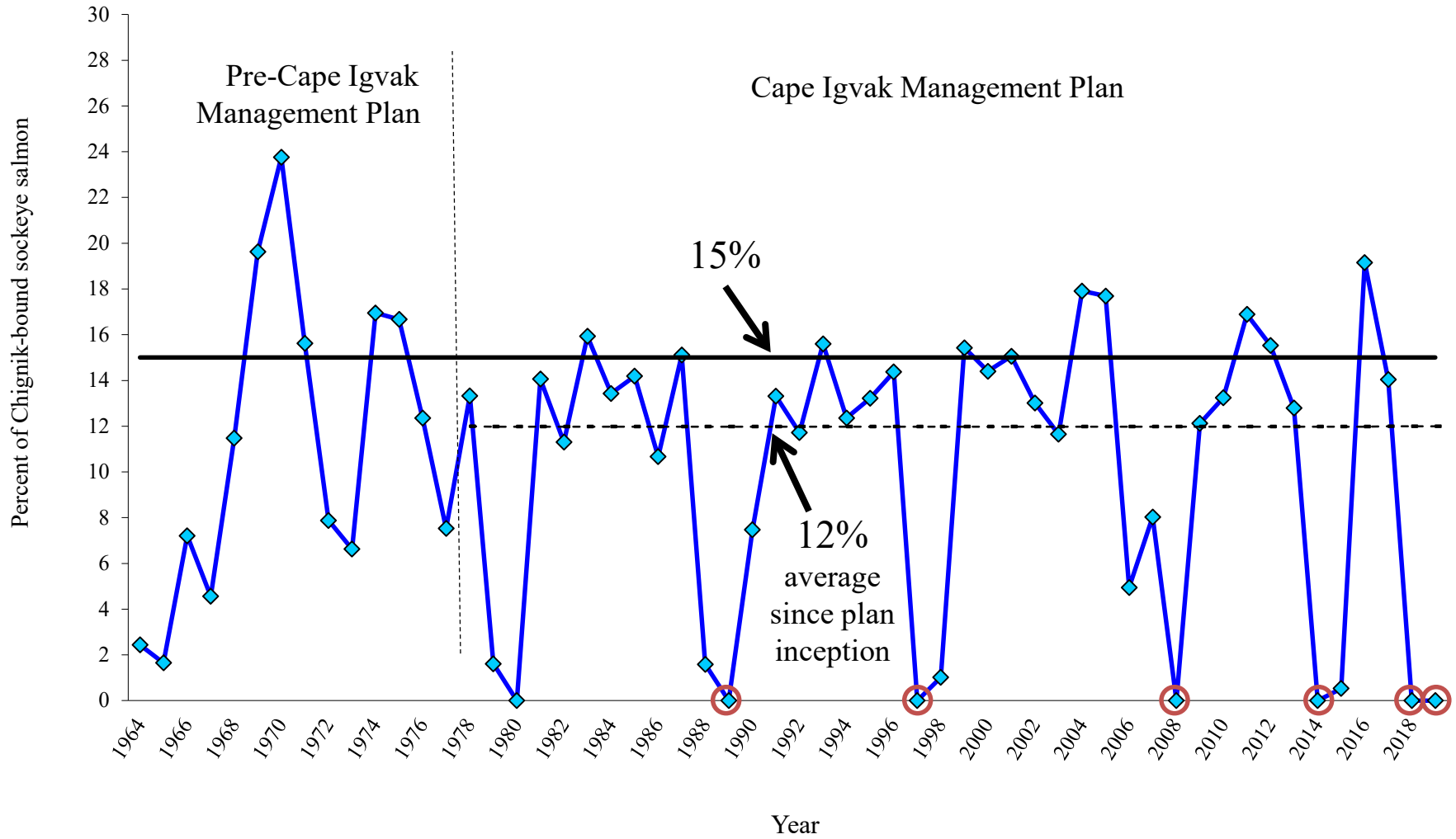


# Percent harvest of Chignik-bound sockeye salmon in the Cape Igvak Section

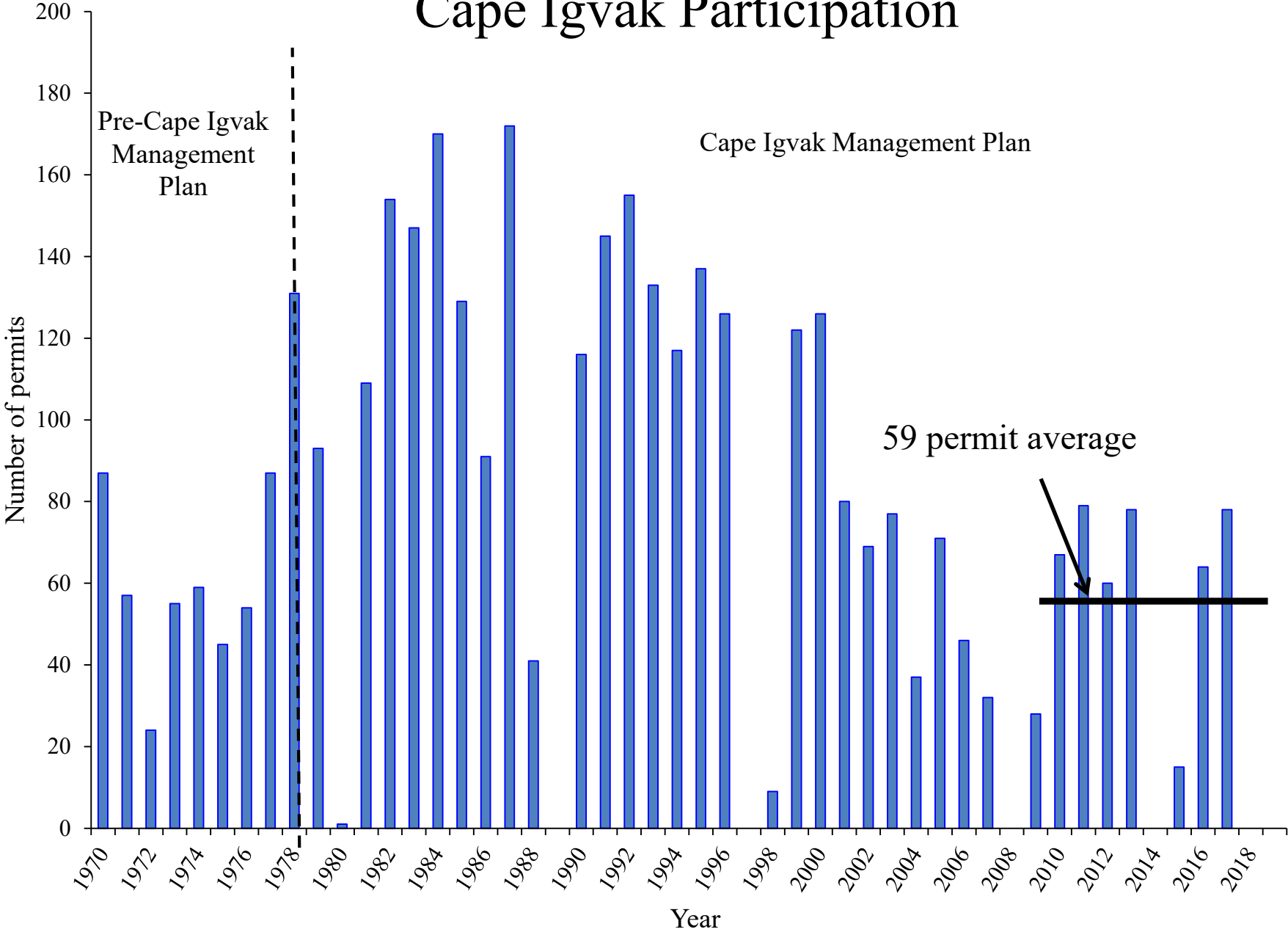




# Percent harvest of Chignik-bound sockeye salmon in the Cape Igvak Section



# Cape Igvak Participation



# Cape Igvak Fishery Proposals

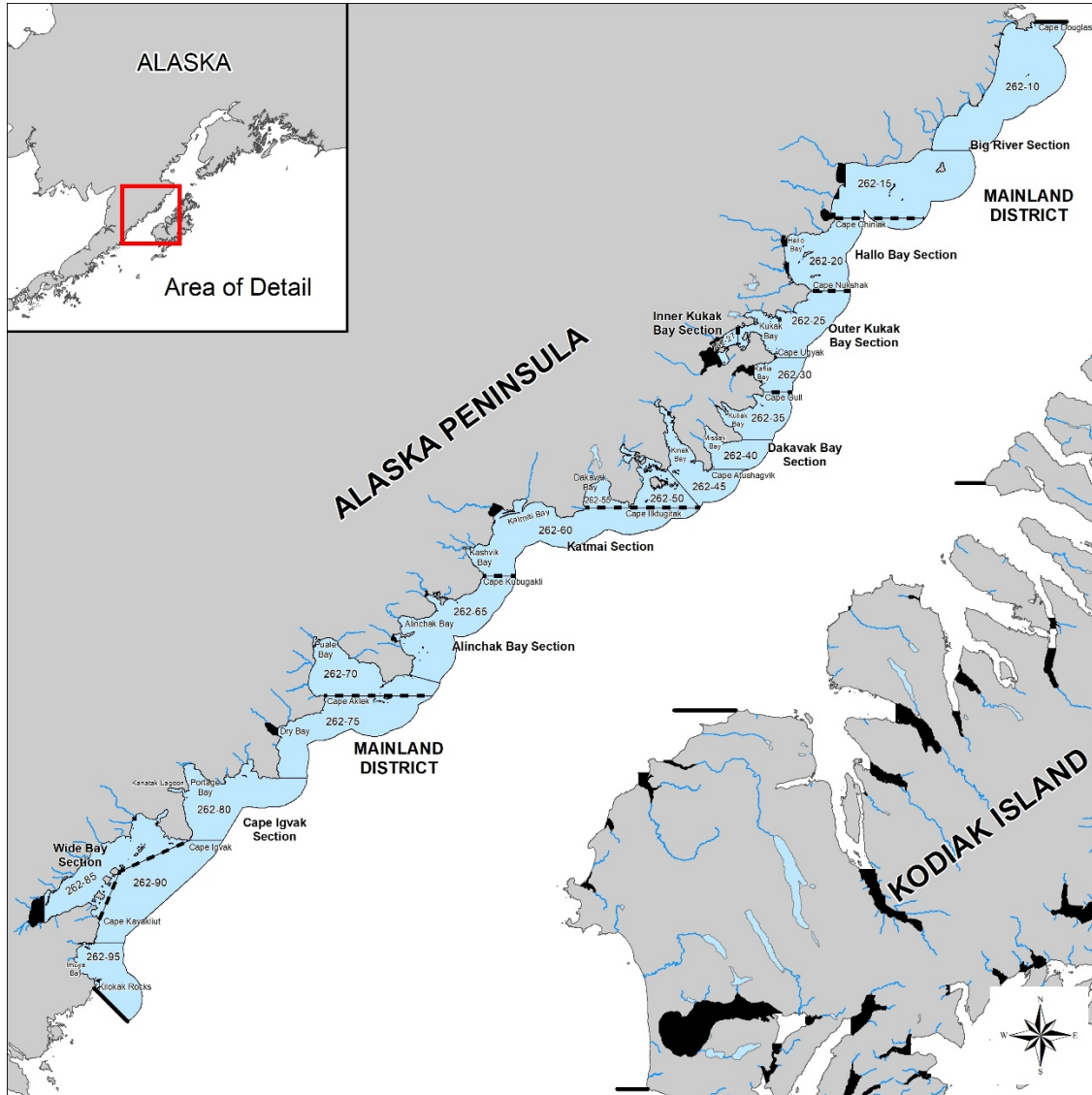
- **Proposal 58** would change the Cape Igvak Fishery allocation period to July 9–July 25. The Cape Igvak Section would remain closed from June 1–July 8.
- **Proposal 59** would change the definition of “total Chignik sockeye salmon catch” for allocations purposes to only include sockeye salmon harvested in the CMA.
- **Proposal 60** would change the harvest allocation percentage in the Cape Igvak section from 15% of the total Chignik sockeye salmon catch to not exceed 5%.
- **Proposal 61** would change the harvest assurance in Chignik prior to July 9<sup>th</sup> to 1,000,000 fish. Change the “total Chignik sockeye salmon catch” to include only fish harvested in the CMA. Would not allow a fishery in Cape Igvak until at least 72 hours after the initial CMA fishing period. Finally, the Cape Igvak Section would not be covered by a management plan from July 9–July 25 and remain closed.
- **Proposal 62** Prior to July 9, Cape Igvak Section fisherman would be required to check in and check out of the Cape Igvak Section by contacting department staff.

# *Mainland District Management Plan*

The goal of the management plan is to achieve escapement and harvest objectives for sockeye, pink, coho, and chum salmon returning to streams in the Mainland District

# Mainland District Management Plan

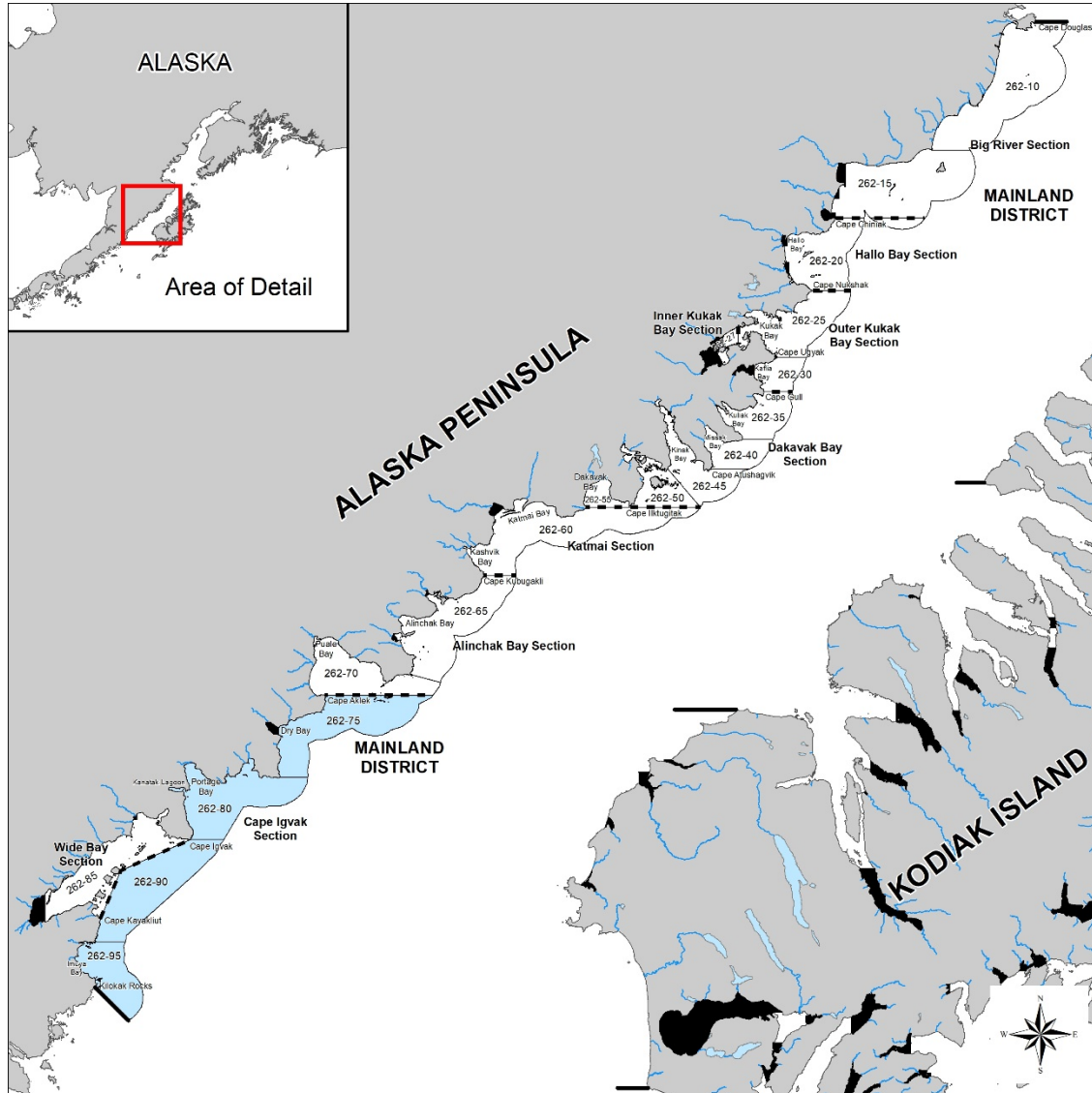
June 1– Oct. 31  
Cape Douglas to  
Kilokak Rocks



- 9 Sections
- 19 Statistical Areas

# Mainland District Management Plan

June 1- July 25  
overlap with two  
other management  
plans

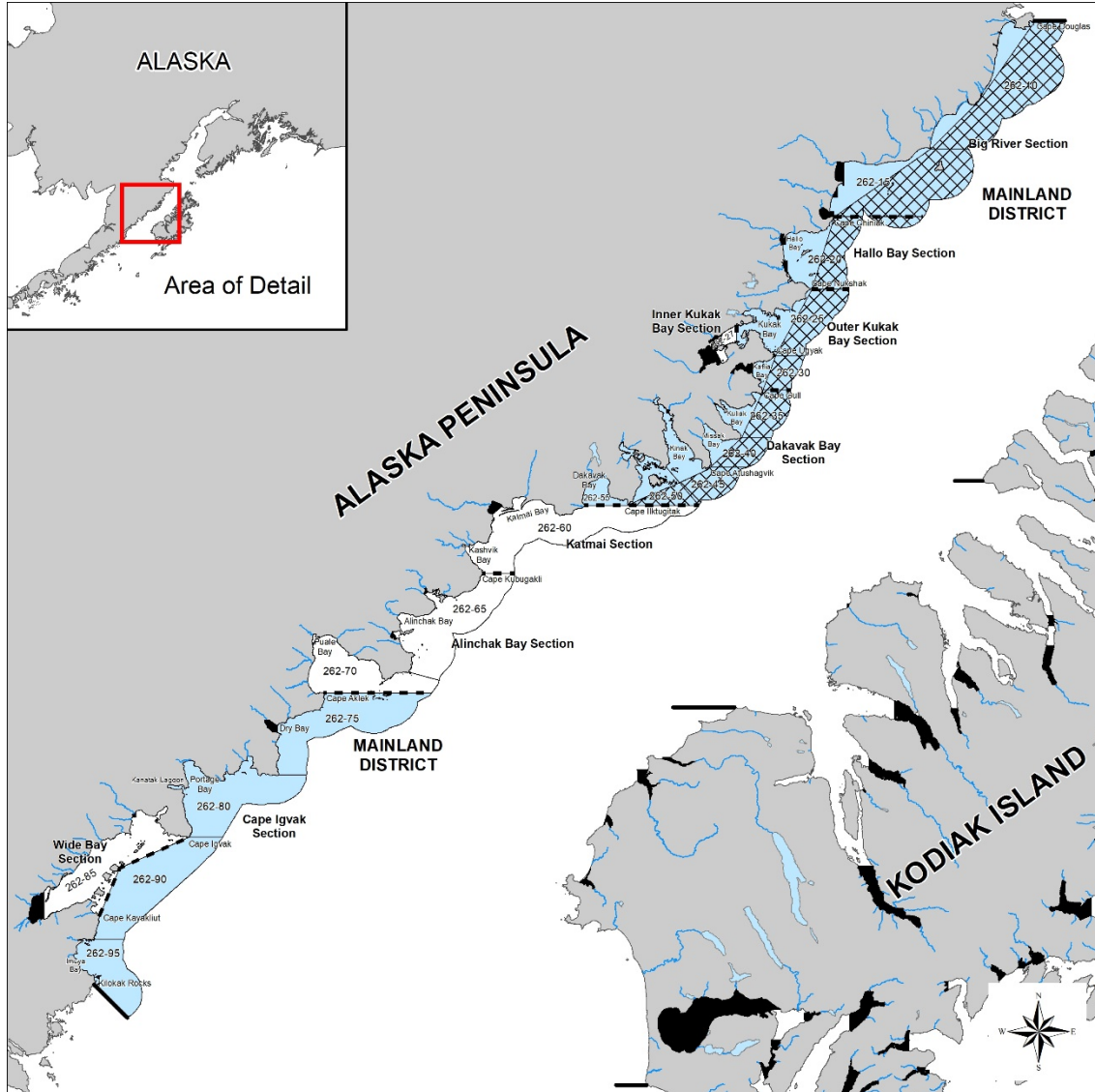


- *The Cape Igvak Salmon Management Plan*

June 1-July 25



# Mainland District Management Plan



June 1- July 25  
overlap with two  
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- *The Cape Igvak Salmon Management Plan*

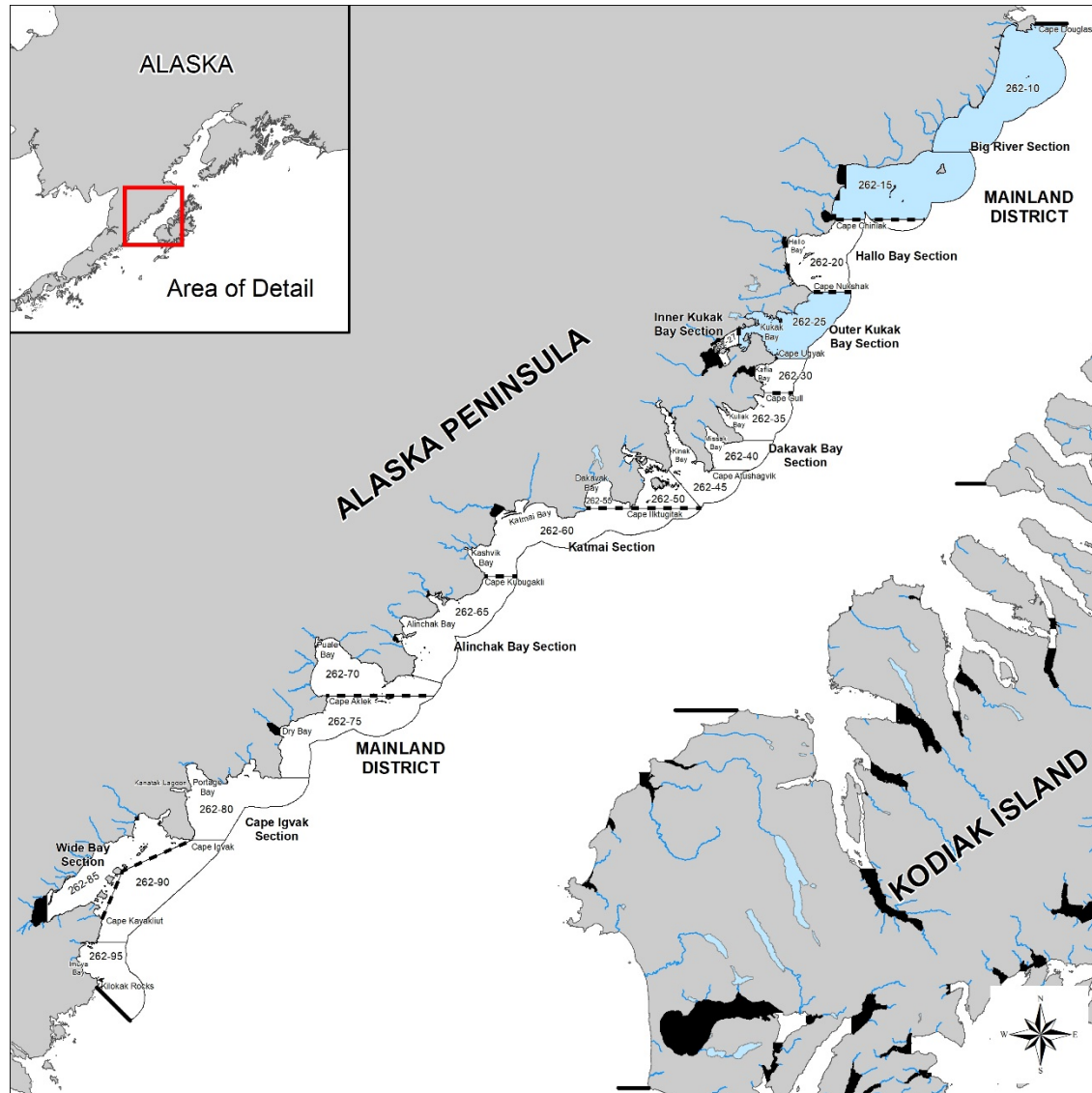
June 1-July 25

- *The North Shelikof Strait Sockeye Salmon Management Plan*

July 6-July 25

# Mainland District Management Plan

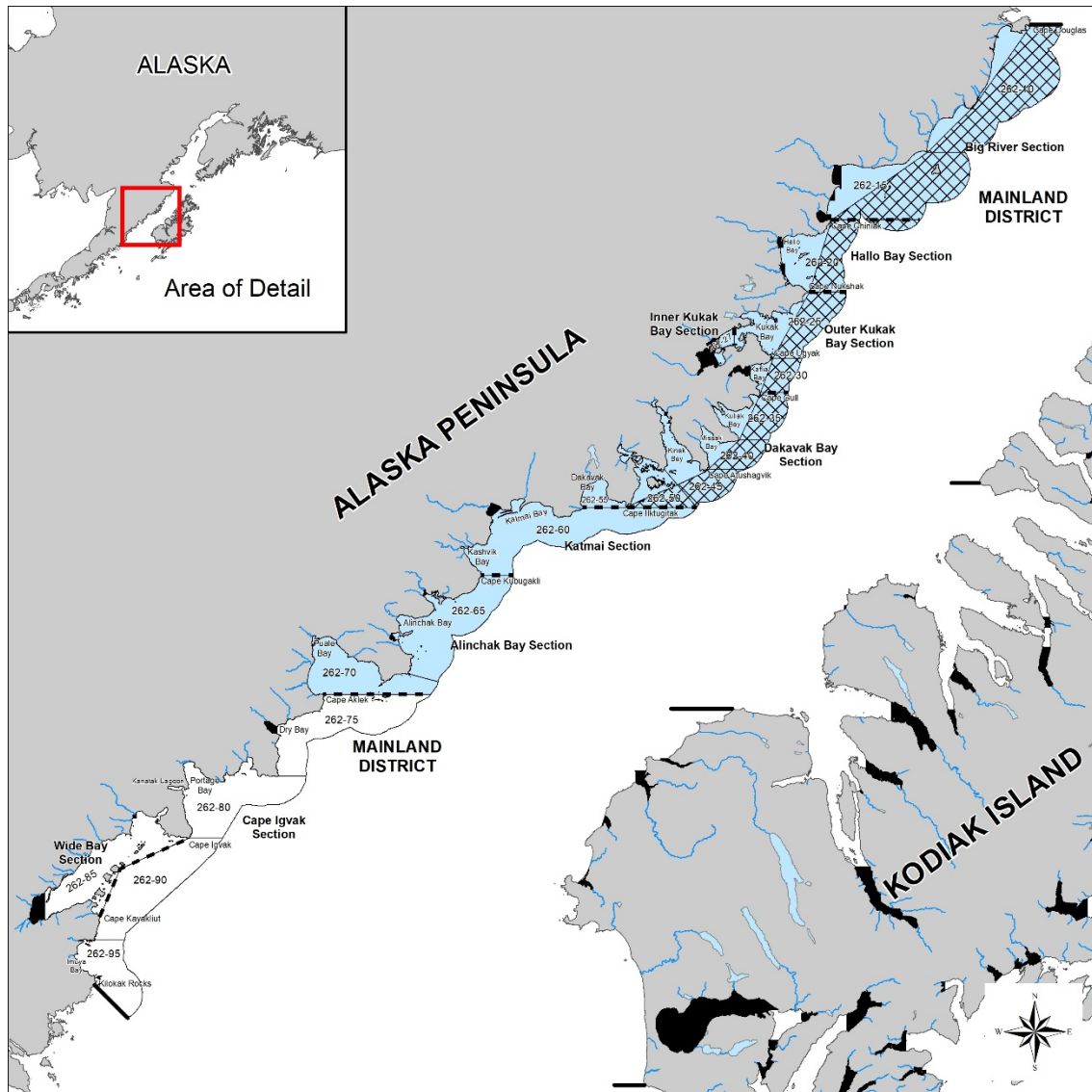
June 1 - July 5  
Big River and Outer  
Kukak Sections



- Open for not more than two 33-hour fishing periods targeting Swikshak and Kaflia Lakes sockeye salmon

# Mainland District Management Plan

July 6 - July 25  
From Big River  
Section to Alinchak  
Bay Section

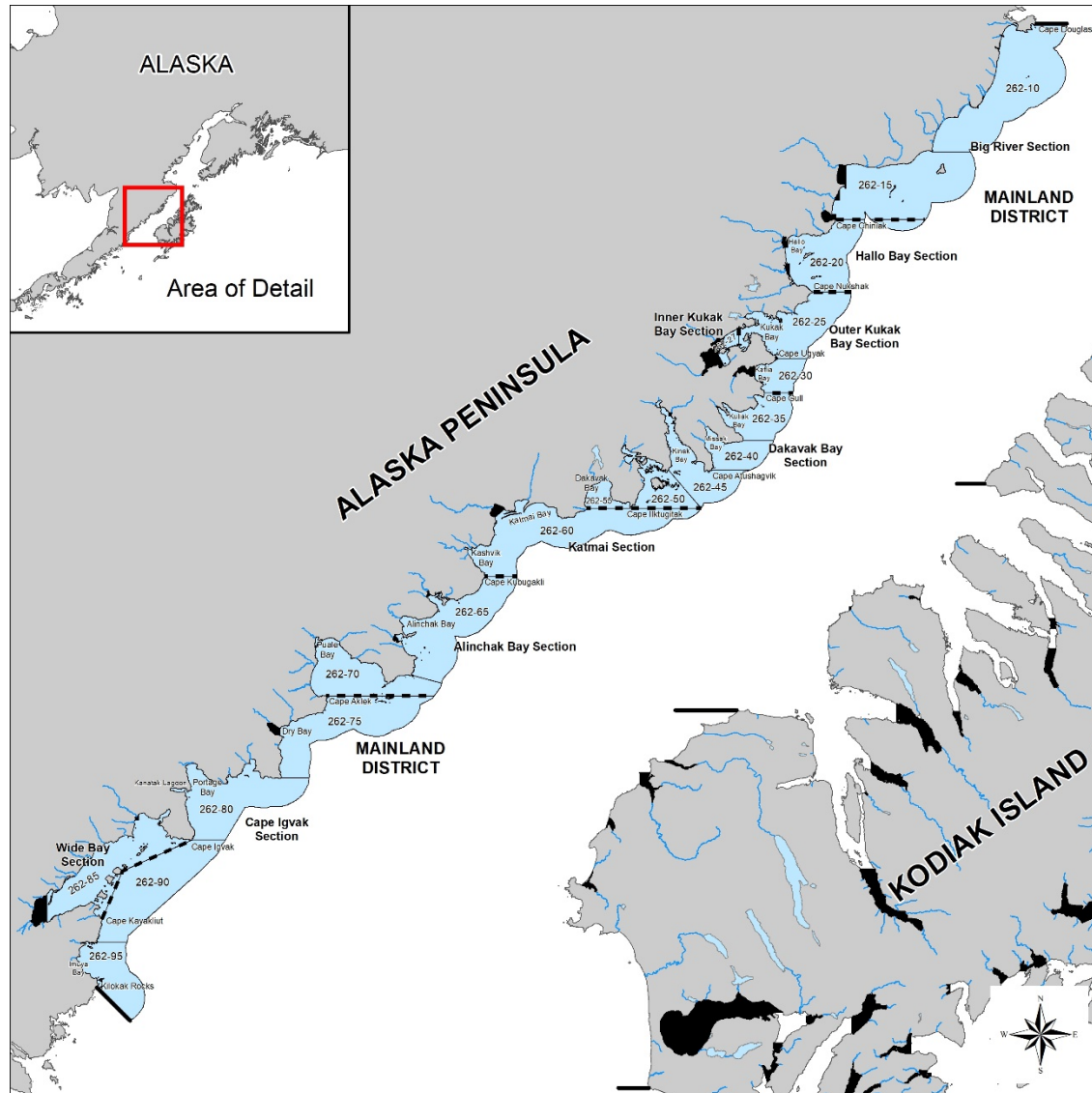


- Weekly fishing periods may not exceed 57-hours
- Targeting local and mixed Kodiak pink and chum salmon

# Mainland District Management Plan

July 26 – Oct 31

Cape Douglas to  
Kilokak Rocks



- Local and mixed pink and chum salmon
- Late-run chum salmon
- Coho salmon

# Mainland District Salmon Harvests

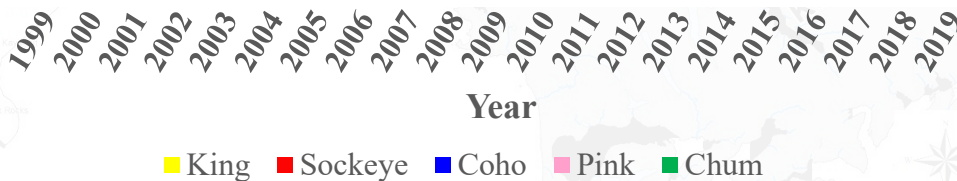
June 1–July 5  
Big River and Outer  
Kukak Sections



- *Open for not more than two 33-hour fishing periods targeting Swikshak and Kaflia Lakes sockeye salmon*

Number of salmon

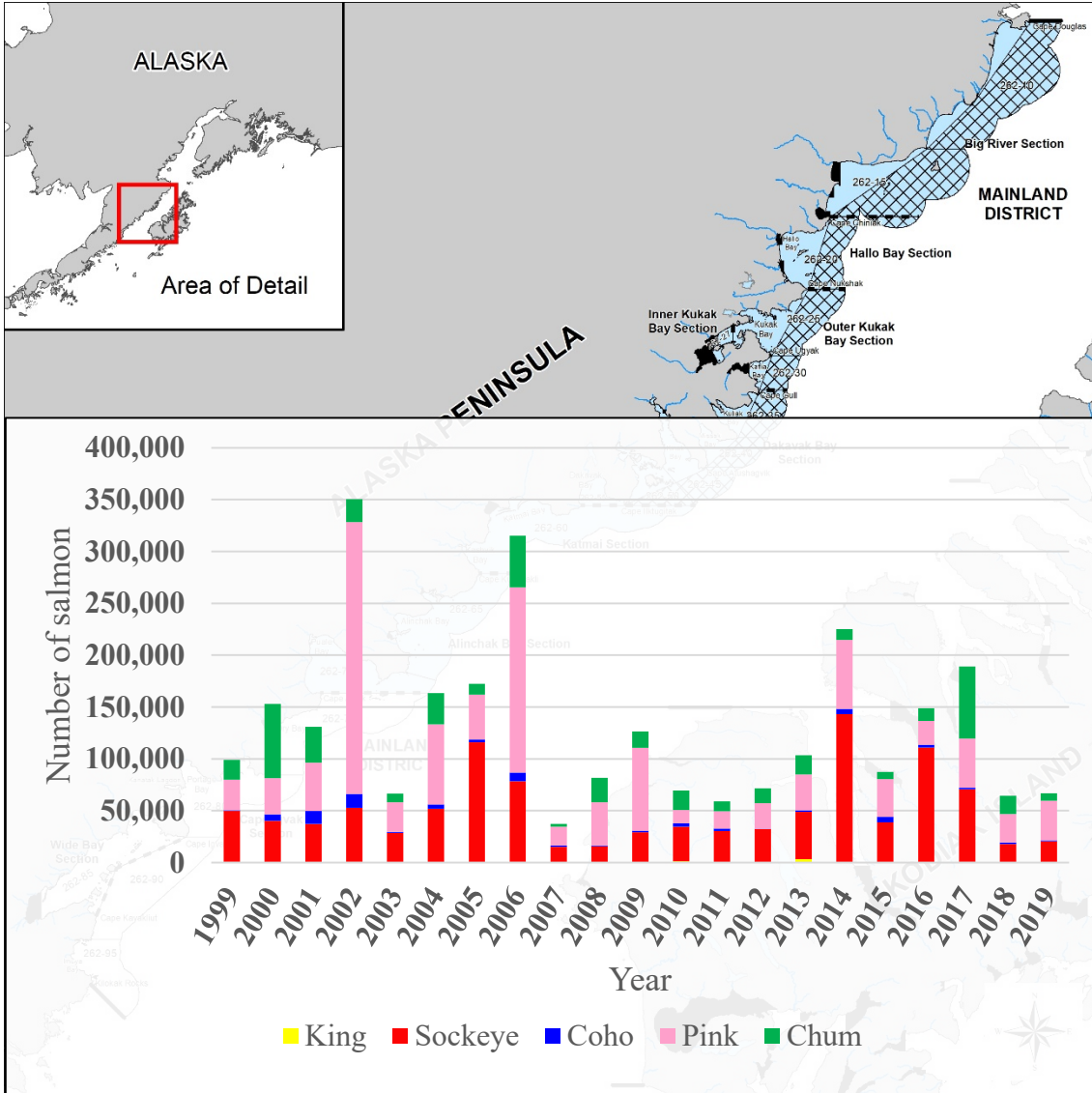
Harvests are confidential due to less than three permits fishing.





# Mainland District Salmon Harvest

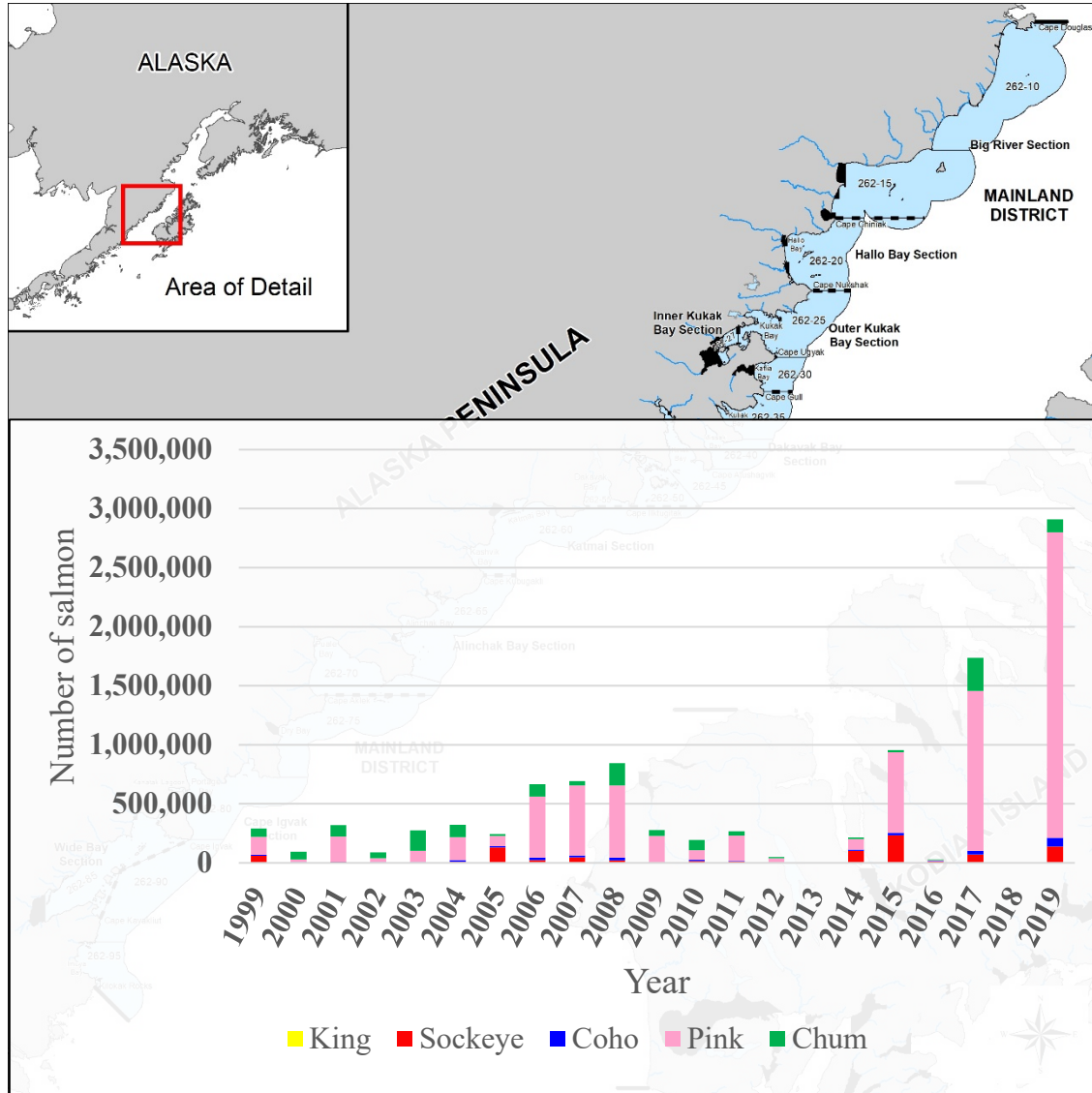
July 6–July 25  
From Big River  
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# Mainland District Salmon Harvest

July 26–Oct 31  
Cape Douglas to  
Kilokak Rocks



- Local and mixed pink and chum salmon
- Late-run chum salmon
- Coho salmon



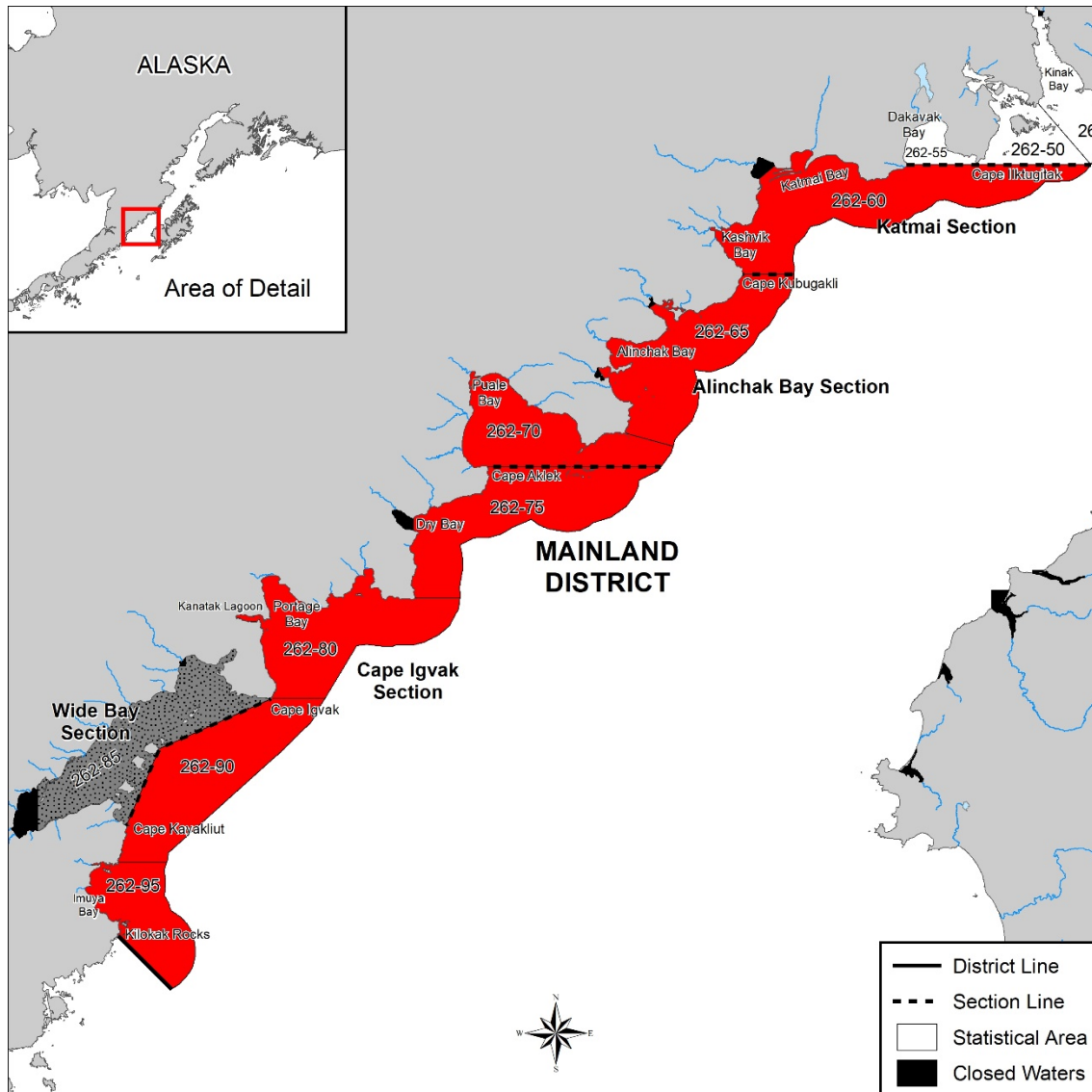
# Proposals

- **Proposal 63** would create seaward and shoreward zones allowing a maximum of two 12-hour fishing periods per week from June 1-July 25 in the seaward zone to protect non-local king salmon.
- **Proposal 64** would create seaward and shoreward zones allowing a maximum of two 12-hour fishing periods per week from June 28-July 25 in the seaward zones to protect non-local sockeye salmon.
- **Proposal 65** would close the Katmai, Alinchak, and Cape Igvak sections from June 28–July 25.

# Proposal 65

## Restrict the harvest of UCI sockeye.

June 28–July 25  
Katmai, Alinchak,  
Cape Igvak sections



- These sections would remain closed
- Overlaps with Cape Igvak Management Plan

*North Shelikof Strait Sockeye  
Salmon Management Plan  
(North Shelikof MP)*

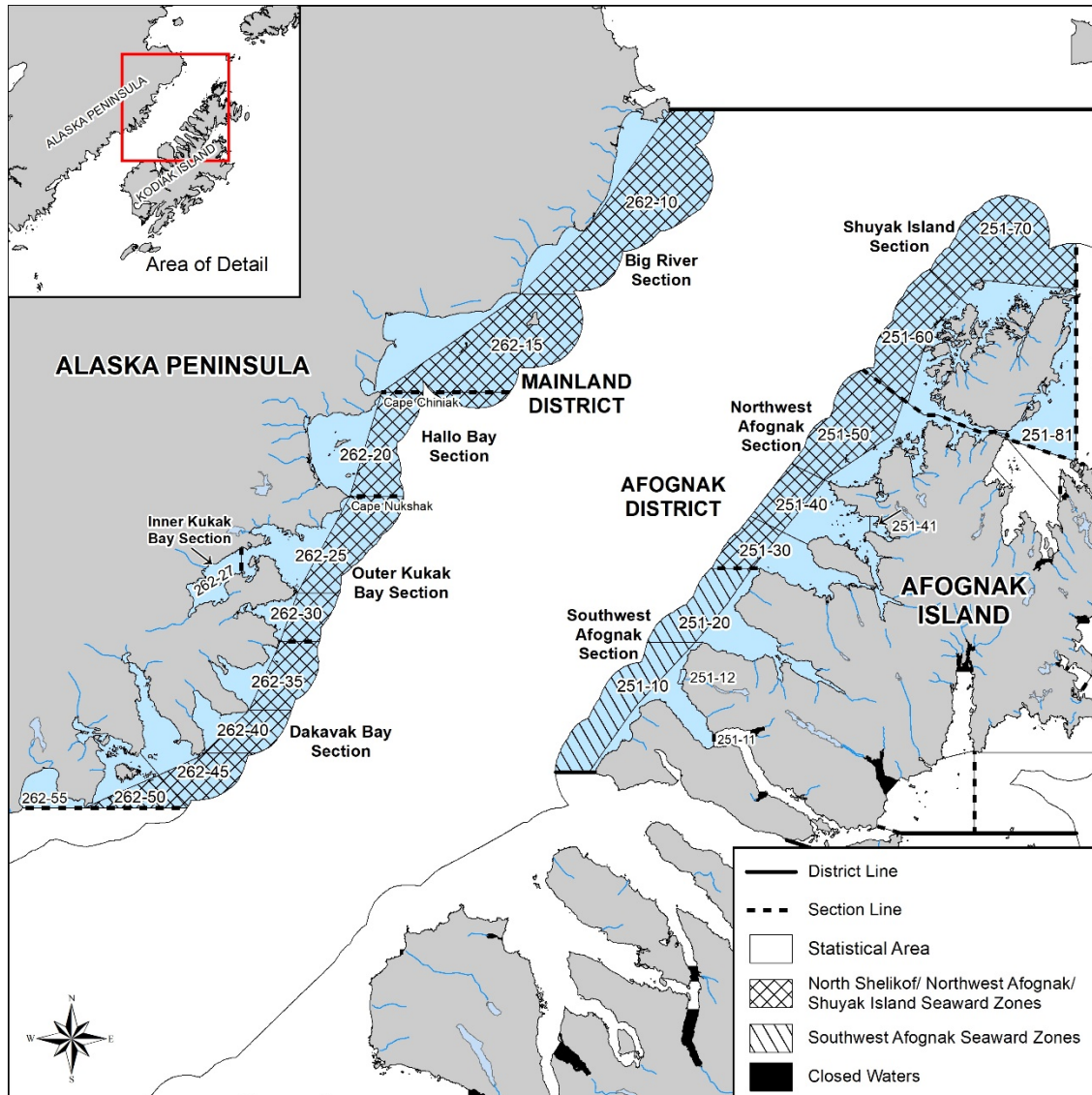
The goal of this plan is to allow traditional fisheries on Kodiak salmon stocks while minimizing the directed harvest on Cook Inlet sockeye salmon by preventing the non-traditional harvest pattern that occurred in 1988.

# History of *North Shelikof MP*

- 1988 significant harvest of sockeye salmon
- Harvest occurred in the northern portion of Shelikof Strait (even outside of 3-mile limit)
- Average weight, age composition, and past tagging studies indicated sockeye destined for Cook Inlet
- 1990 board adopts *North Shelikof MP*

# North Shelikof MP

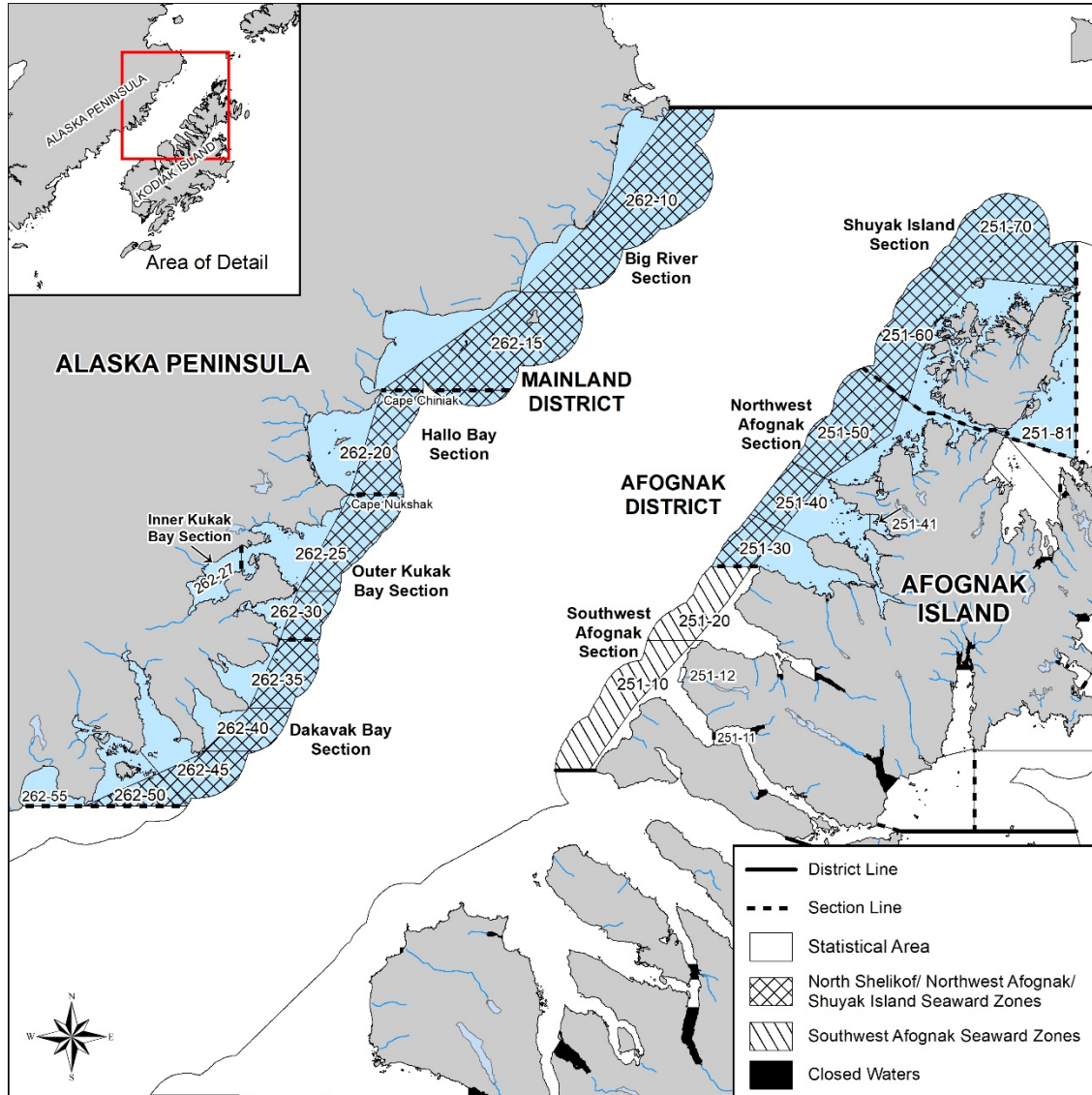
July 6 – July 25



- Covers 8 Sections of the North Shelikof Strait.
- Two specific Management Units each with own sockeye salmon harvest limit “trigger”

# North Shelikof MP

July 6 – July 25  
North Shelikof  
Management Unit

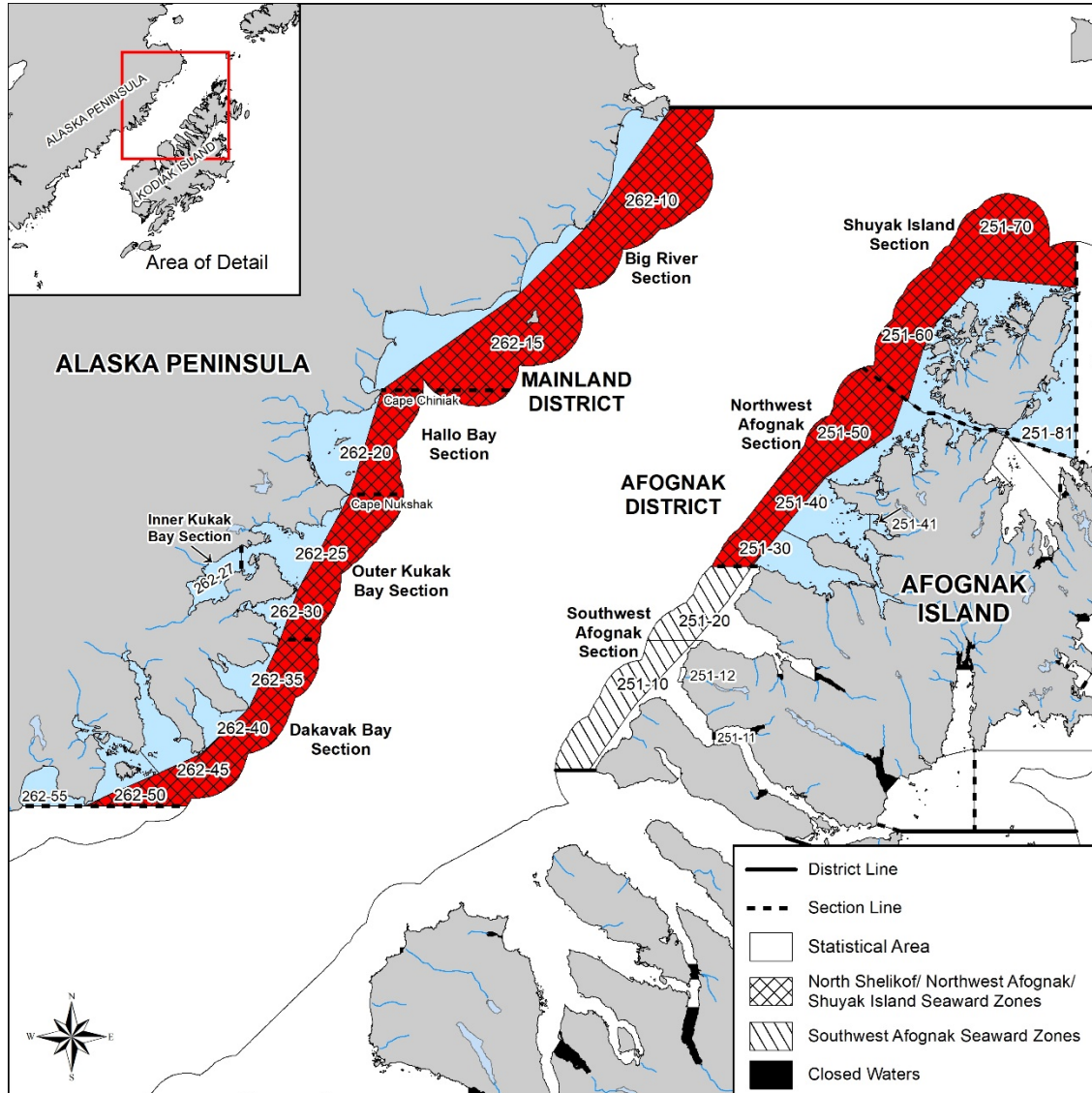


- Dakavak Bay Section to the Big River Section on the Mainland District
- Shuyak Island and Northwest Afognak Sections of the Afognak District
- Harvest trigger 15,000 sockeye salmon



# North Shelikof MP

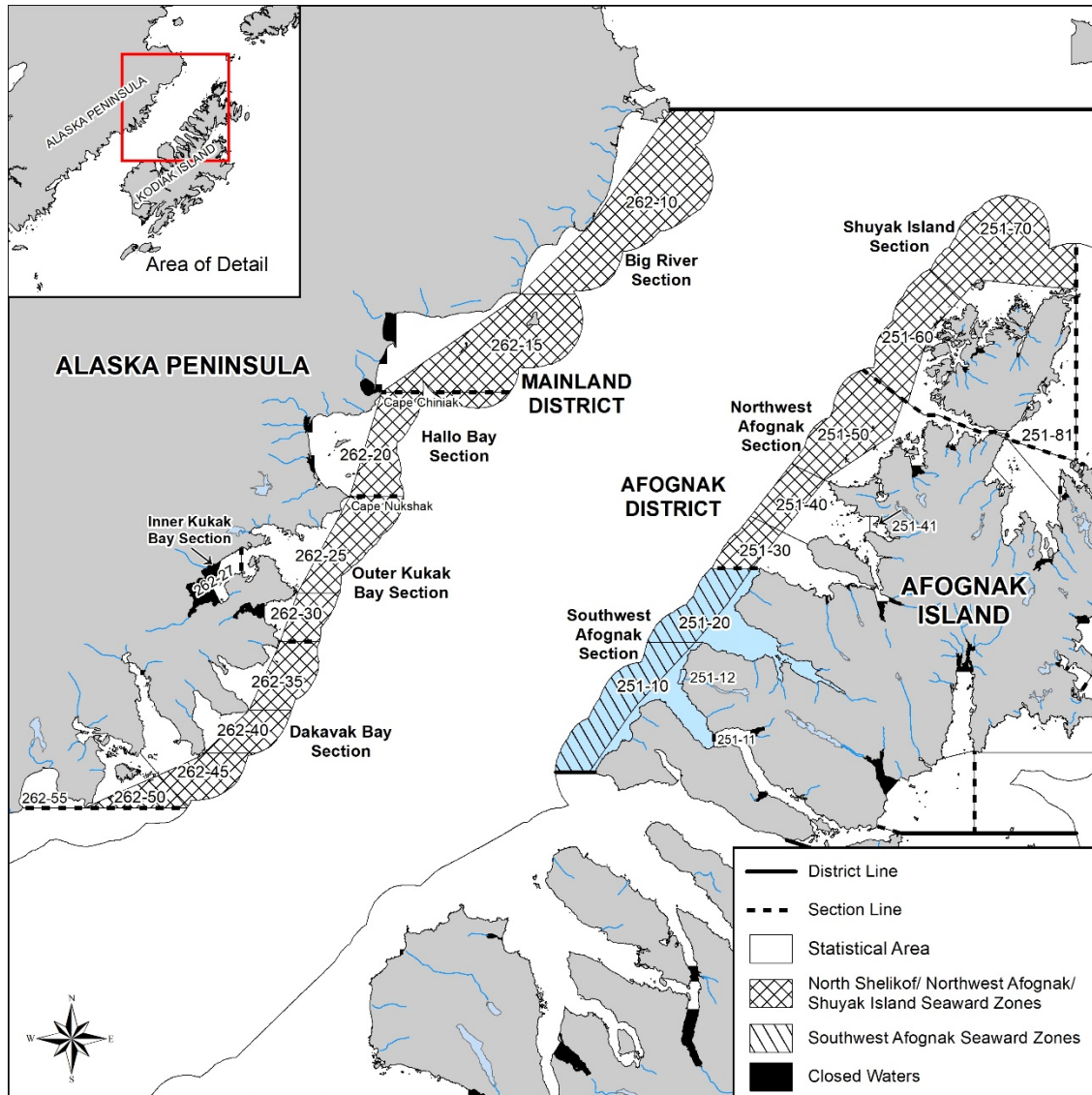
July 6 – July 25  
North Shelikof  
Management Unit



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# North Shelikof MP

July 6 – July 25  
Southwest  
Afognak  
Management Unit

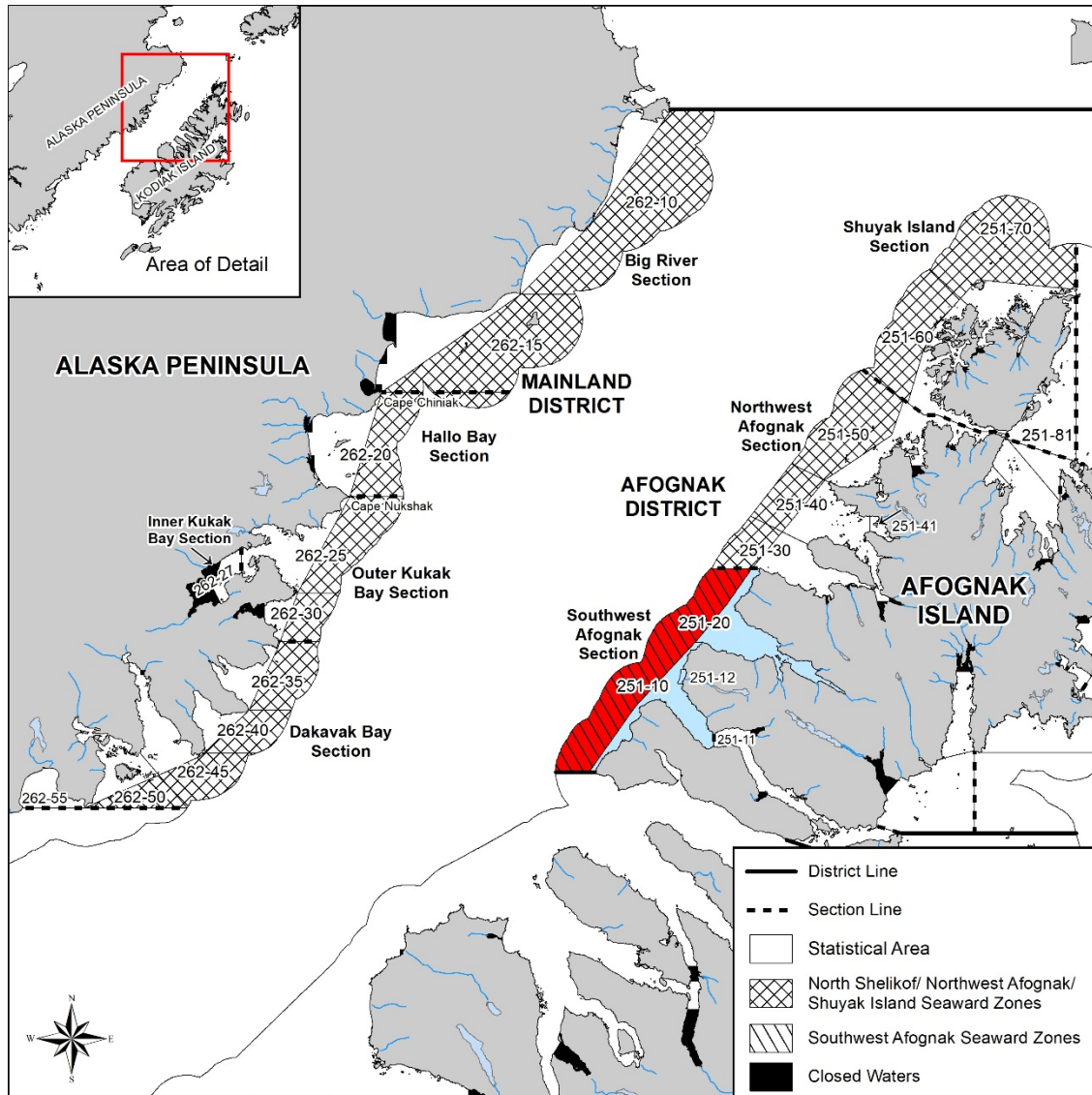


- The Southwest Afognak Section of the Afognak District
- Harvest trigger 50,000 sockeye salmon



# North Shelikof MP

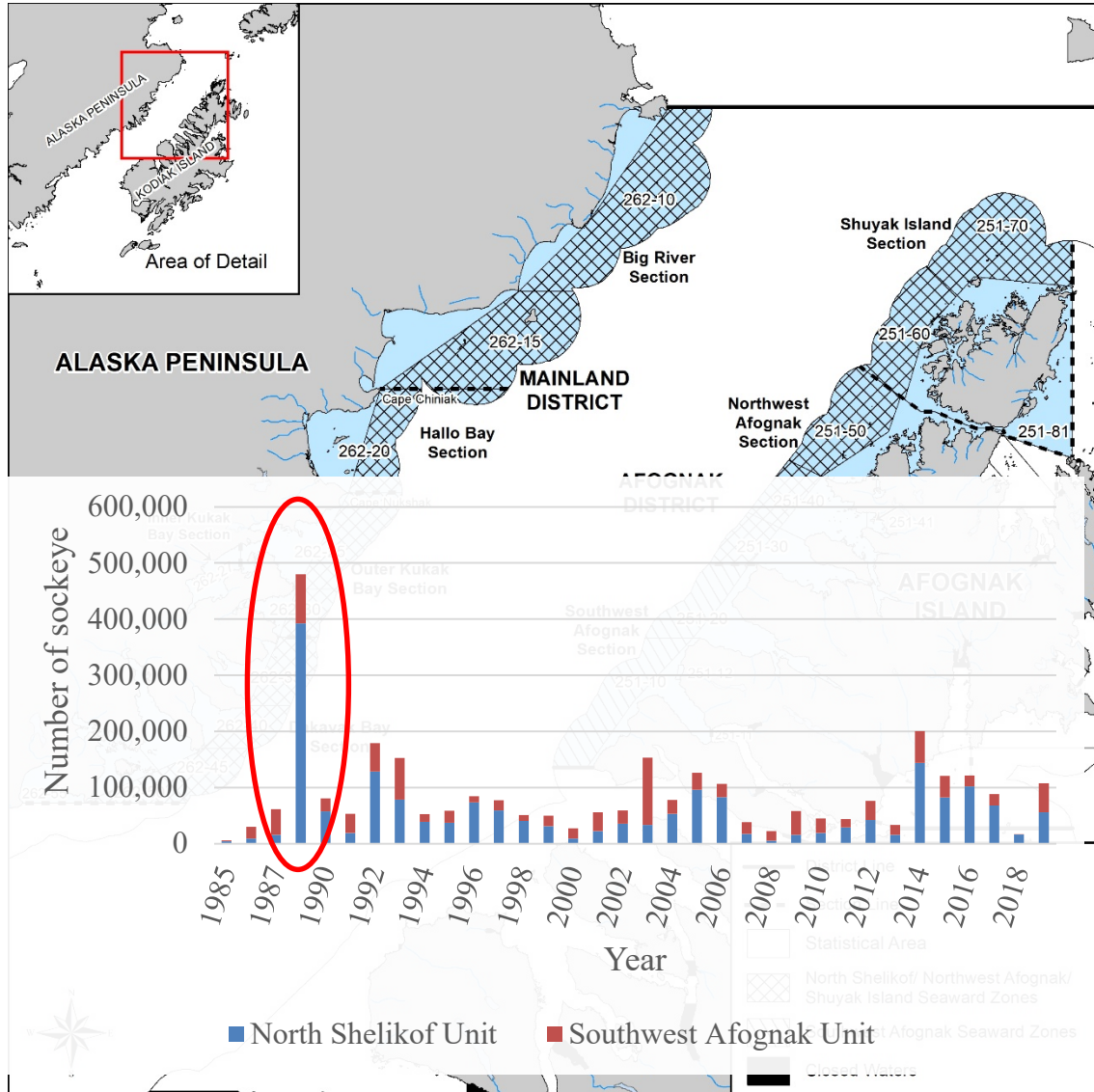
July 6 – July 25  
Southwest  
Afognak  
Management Unit



- The Southwest Afognak Section of the Afognak District
- Harvest trigger 50,000 sockeye salmon

# Total sockeye salmon harvest

July 6 – July 25  
 N Shelikof and SW  
 Afognak Units  
 1985 – 2019



- 1988 over 479,000 sockeye salmon harvested

- Non-traditional harvest of sockeye salmon has not repeated

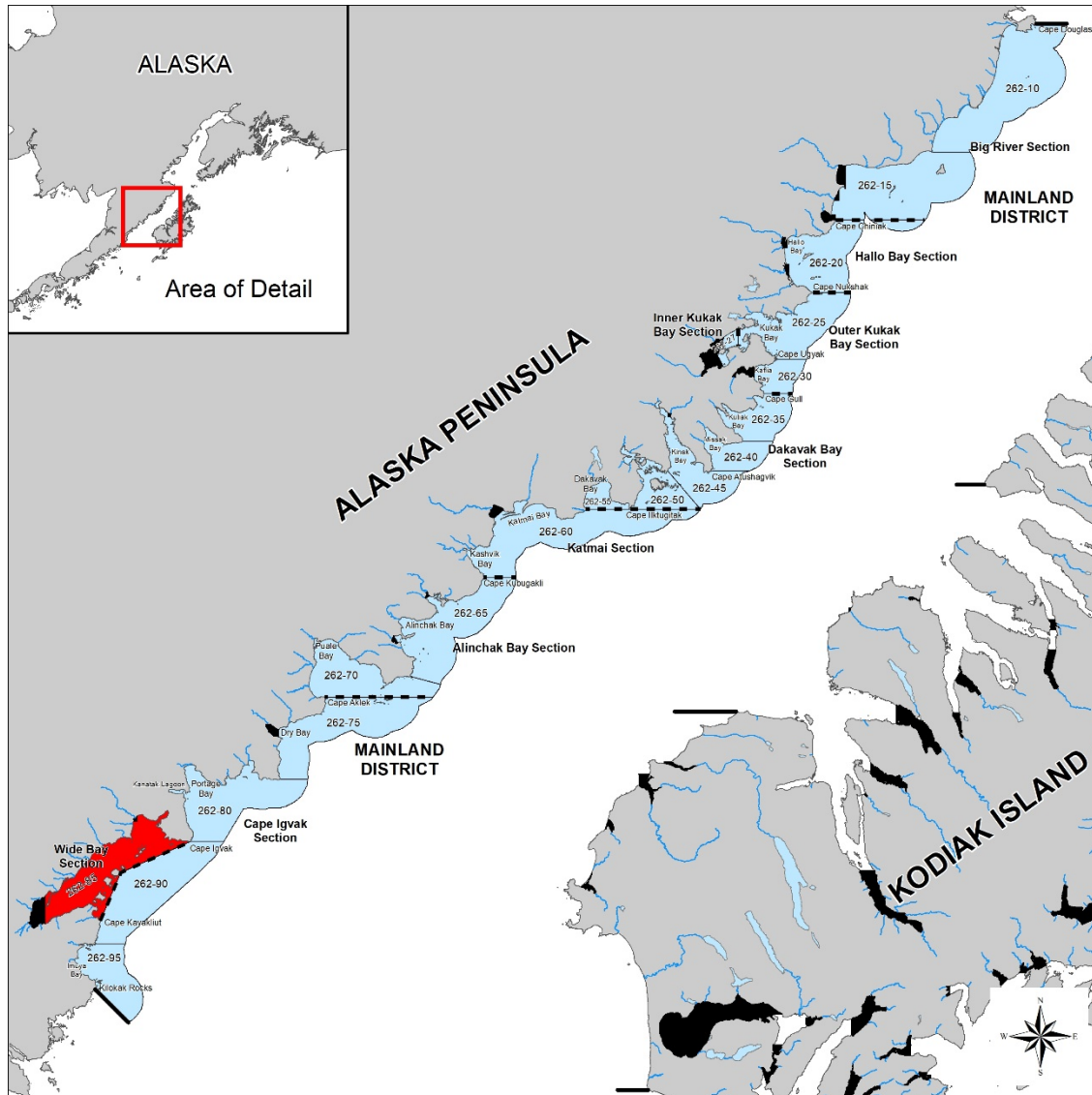
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# Proposal 63

## Additional protection for Chinook

June 1 – July 25  
Mainland District

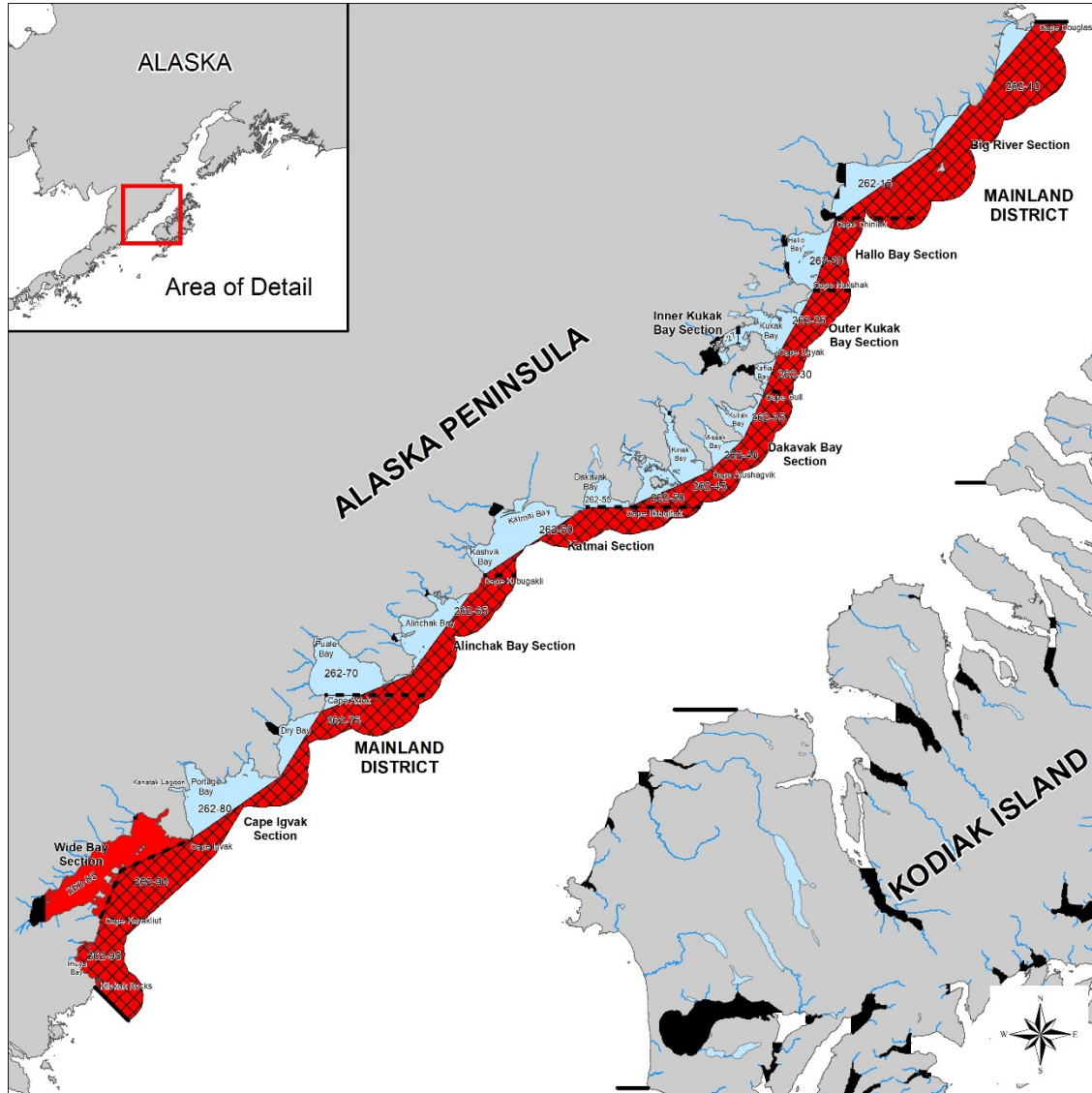


- Supersedes the current Cape Igvak, Mainland District, and North Shelikof management plans
- Creates seaward zones for the entire the Mainland District
- A maximum of two 12-hour fishing periods per week in seaward zones

# Proposal 63

## Additional protection for Chinook

June 1 – July 25  
Mainland District



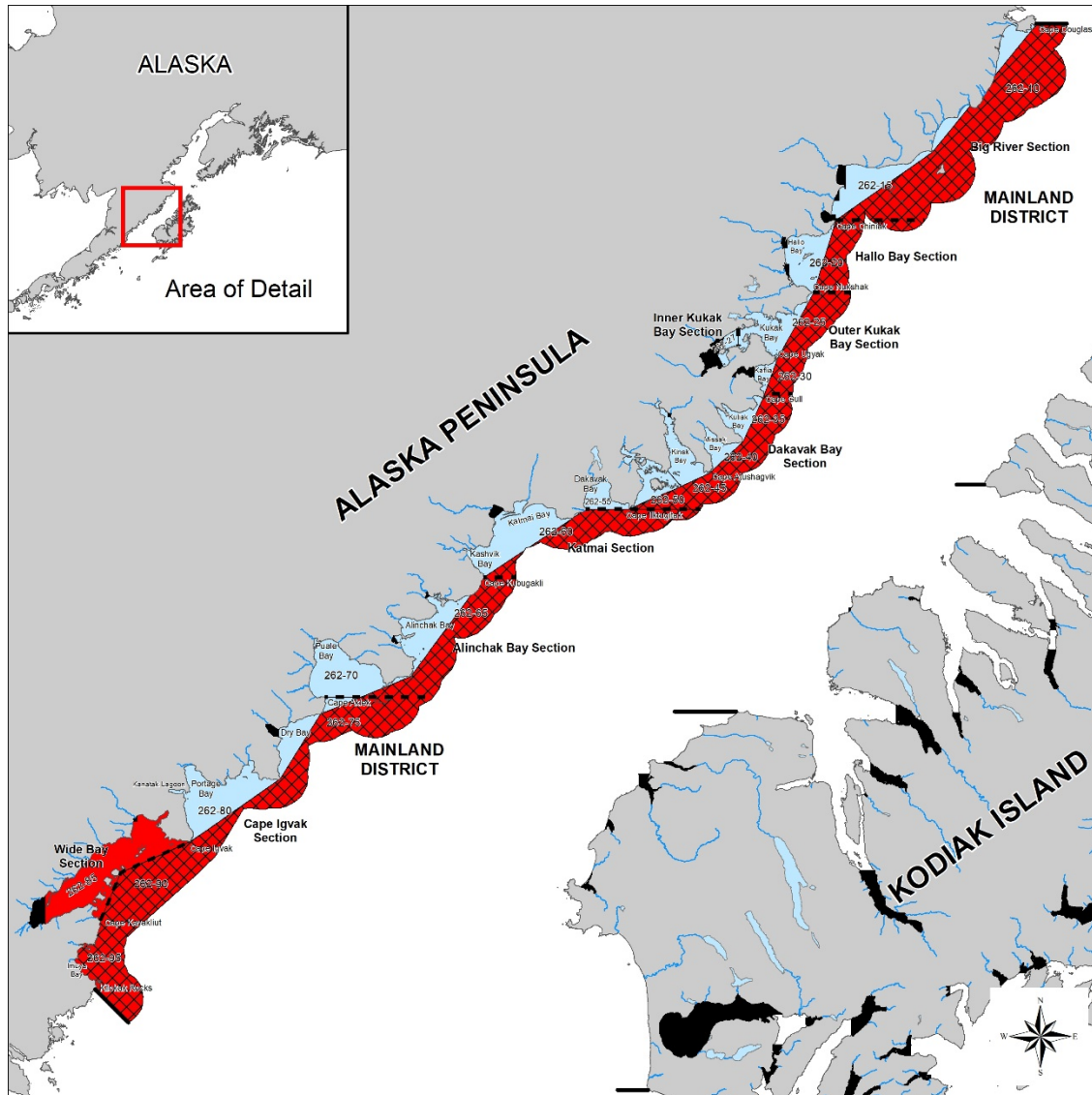
- Supersedes the current Cape Igvak, Mainland District, and North Shelikof management plans
- Creates seaward zones for the entire the Mainland District
- A maximum of two 12-hour fishing periods per week in seaward zones



# Proposal 64

## Protect non-local salmon stocks

June 28 – July 25  
Mainland District



- Supersedes the current Cape Igvak, Mainland District, and North Shelikof management plans
- Creates seaward zones for the entire the Mainland District
- A maximum of two 12-hour fishing periods per week in seaward zones

Questions?