The Commercial Salmon Fisheries of the Kodiak Management Area

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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
North Afognak/Shuyak Island Salmon MP
Westside Kodiak Salmon MP
Average Weekly Salmon Harvest for the KMA, 2000-2019

**EARLY-RUN SOCKEYE**
- KARLUK, AYAKULIK, ALITAK, IGVAK
  - Sockeye
  - Chum
  - Coho
  - Wild Pink
  - Hatchery Pink

**LATE-RUN SOCKEYE**
- AYAKULIK, ALITAK, IGVAK, SPIRIDON
  - Wild Pink

**WILD CHUM**
- Wild Chum

**HATCHERY PINK**
- Hatchery Pink

**COHO**

**Week**
- June 7-13
- June 14-20
- June 21-27
- June 28-July 4
- July 5-11
- July 12-July 18
- Jul 19-Jul 25
- Jul 26-Aug 1
- Aug 02-Aug 08
- Aug 09-Aug 15
- Aug 16-Aug 22
- Aug 23-Aug 29
- Aug 30-Sep 05
- Sep 06-Sep 12
Set Gillnet-Only Areas
Seine & Set Gillnet Only Areas

Seine & Set Gillnet areas
Number of Active (Fished) Kodiak Area Commercial Salmon Permits

Seine 5-year avg. 168
Set gillnet 5-year avg. 144
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

2010–2019 avg. 80% (or 1,879,000) of Kodiak Area sockeye salmon harvest come from Westside, Alitak, and Cape Igvak fisheries.
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

- 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

- 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

- 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

- 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 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

- 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

- 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