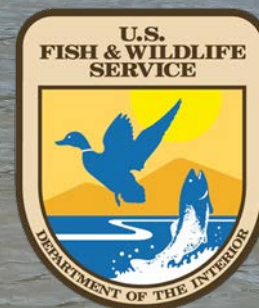


Summary of the 2024 U.S. Yukon Area Fall Season



**Yukon Panel Meeting
January 29, 2025; Agenda Item 12
Presentation By: Matt Olson
and Bonnie Borba**

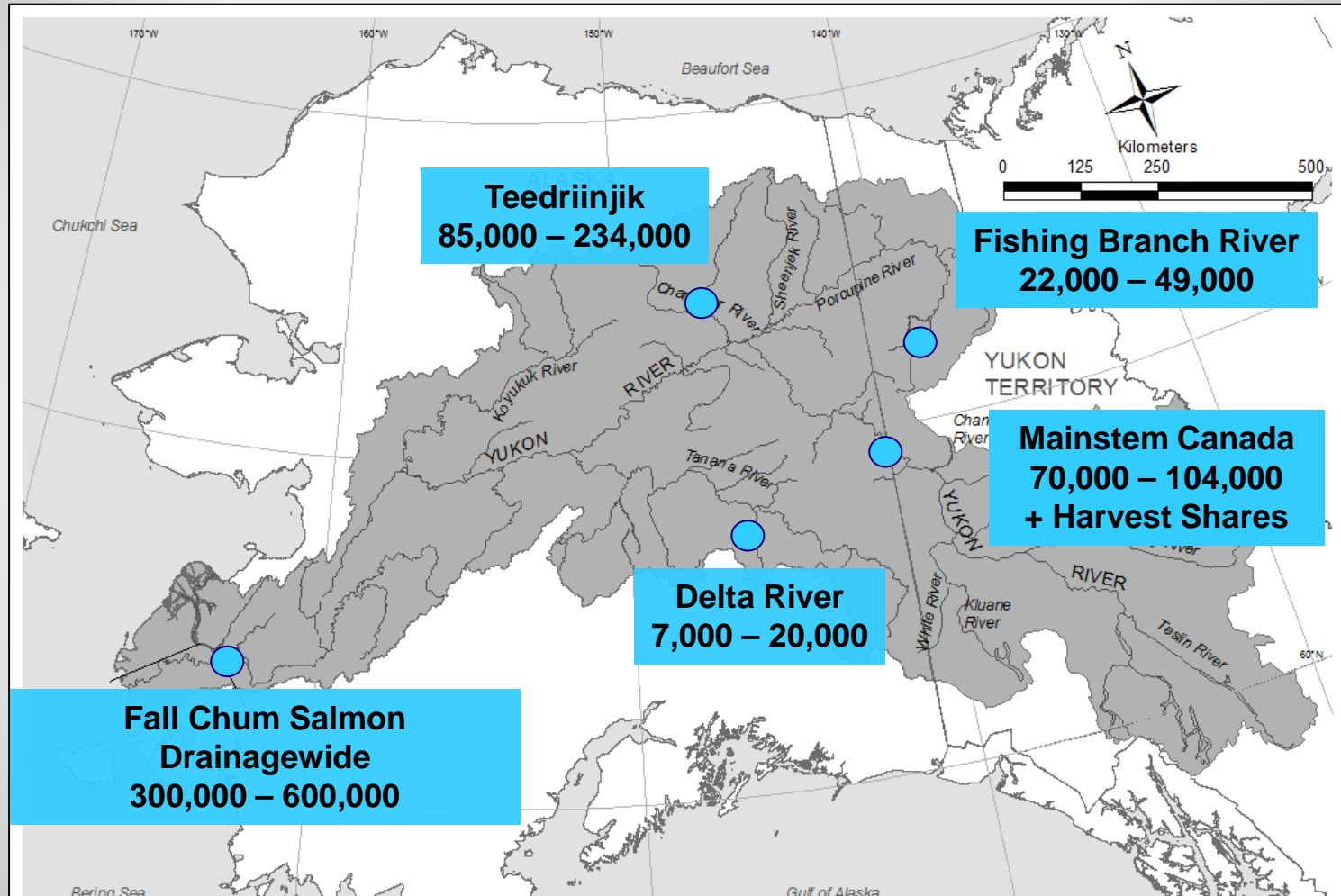


2024 Fall Chum Salmon Outlook

Stock	Spring Forecast (Ricker) Modeling	Preseason Projection (Summer/Fall Relationship)
Drainagewide	369,000 (263,000–474,000)	377,000
Canadian-origin Mainstem Yukon River	55,000 (39,000–71,000)	56,600



2024 Fall Chum Salmon Outlook and Escapement Objectives



- Potential to meet some Alaskan escapement goals
- Unlikely to meet Canadian goals

Yukon River Drainage Fall Chum Salmon Management Plan

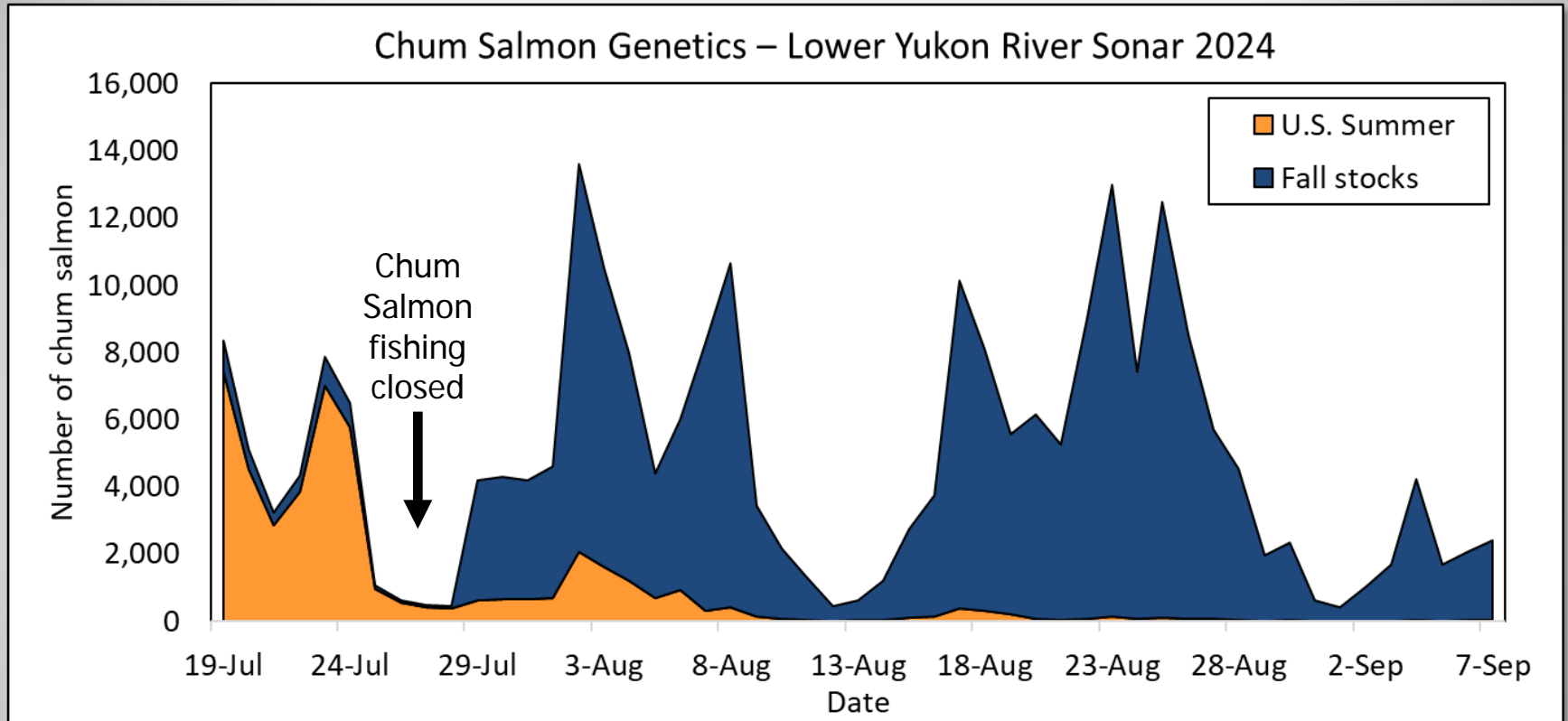
Fall Chum Salmon Directed Fisheries

Targeted Drainagewide Escapement Goal	Run Size	Subsistence	Commercial/Personal Use/Sport
300,000	300,000 or less	Closed	Closed
	300,001 to 550,000	Possible restrictions	Closed
600,000	Greater than 550,001	Open	Open

Expectation in 2024:

- Subsistence restrictions needed to meet Canadian goals
- Closures for other fisheries

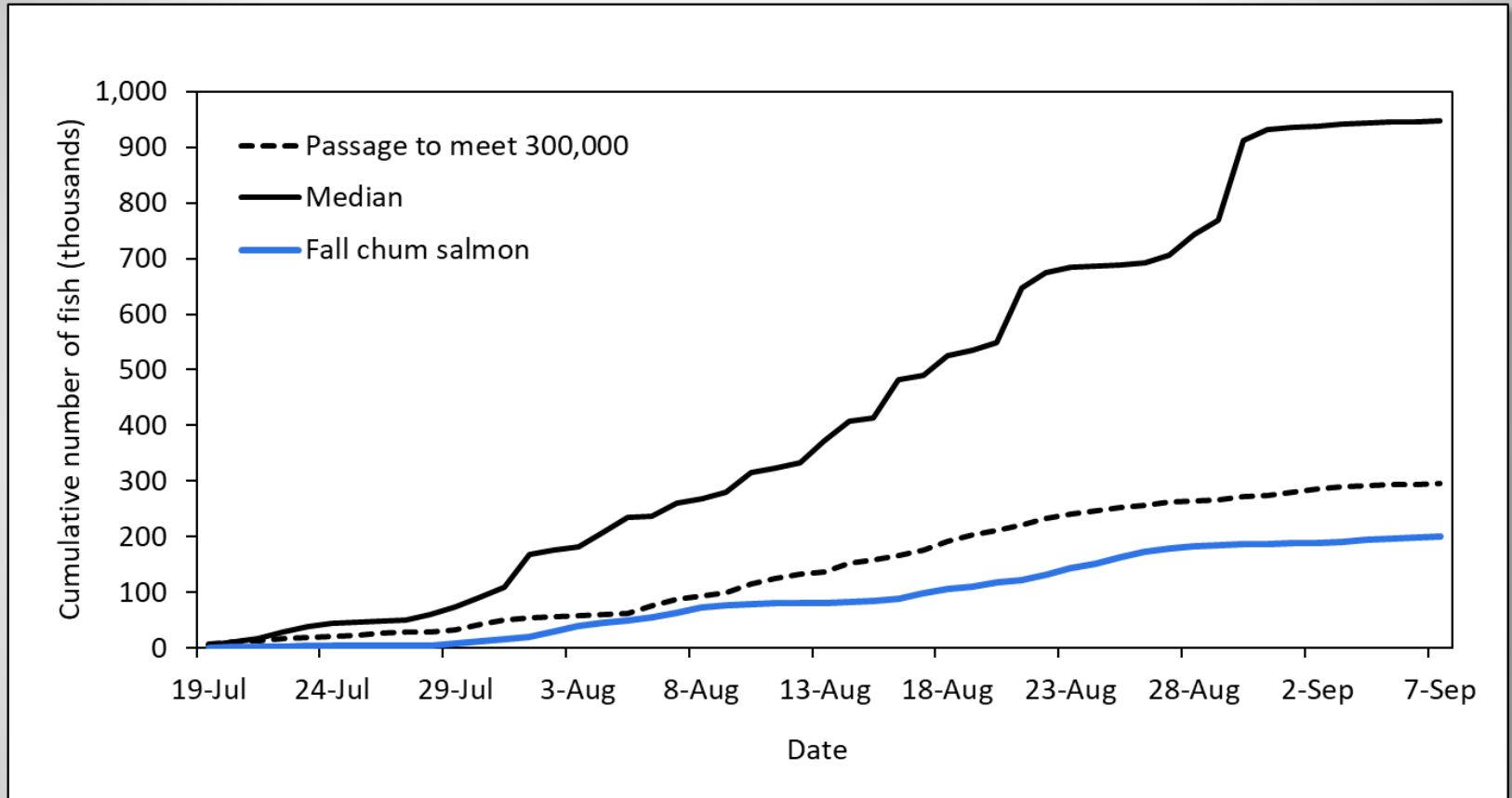
Inseason Assessment and Management



Subsistence Fishing:

- Summer chum salmon fishing continued
- Followed by fall chum salmon fishing closures

Inseason Assessment and Management



- Inseason assessment projects provide the next look at run size
- Inseason projection decreased to 200,000 fall chum salmon for remainder of season

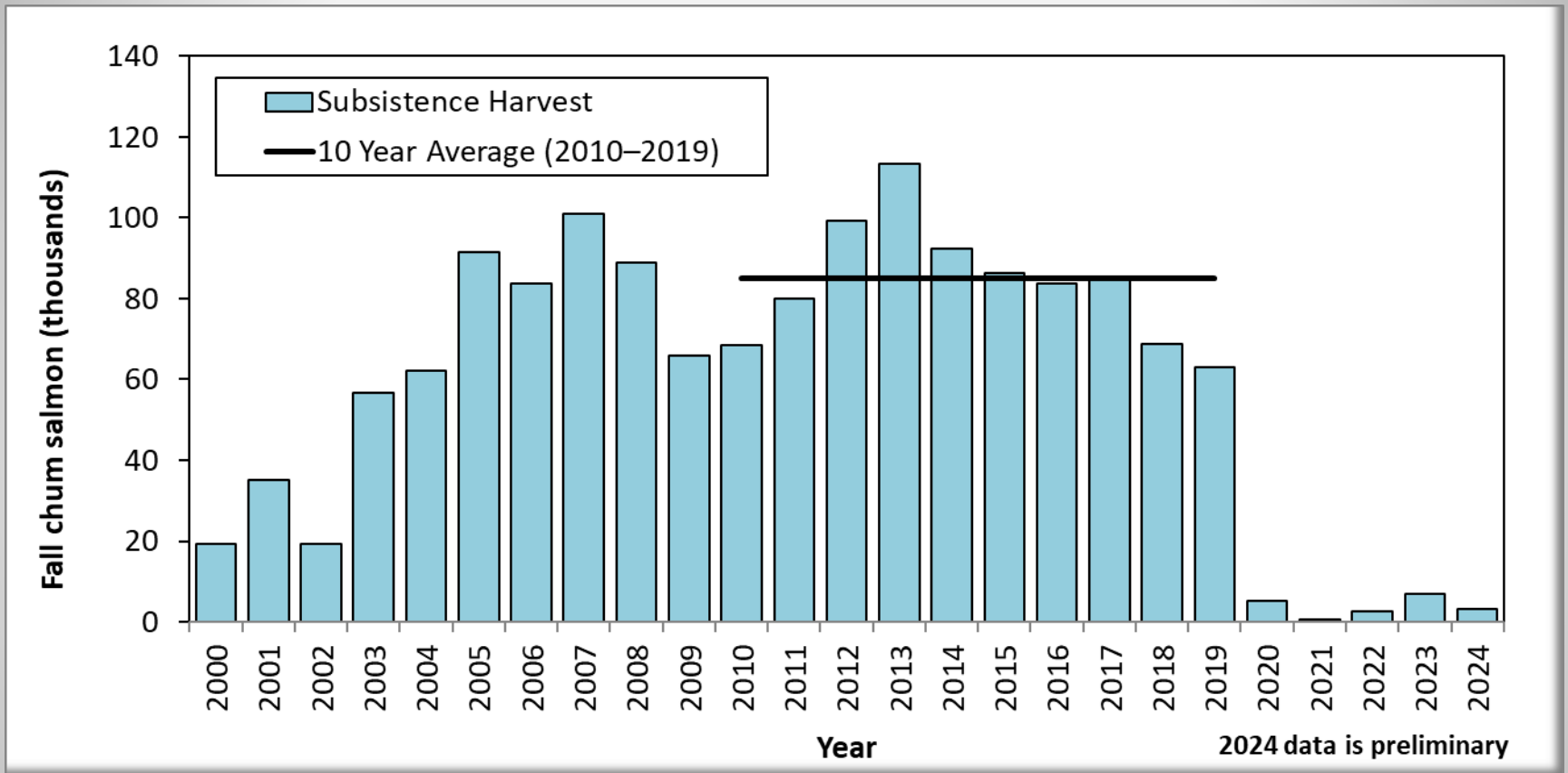
Inseason Assessment and Management



Subsistence Fishing:

- Nonsalmon, pink, sockeye, and coho salmon open with selective gear
- Coho closures later in season
- 4-inch set gillnets limited to 60 feet in length
- Reduced fishing time of 4-inch gillnets

U.S. Subsistence Harvest of Fall Chum Salmon



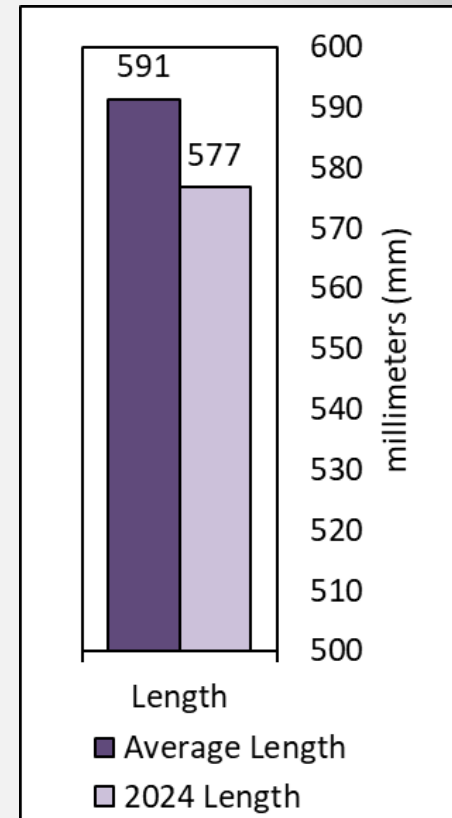
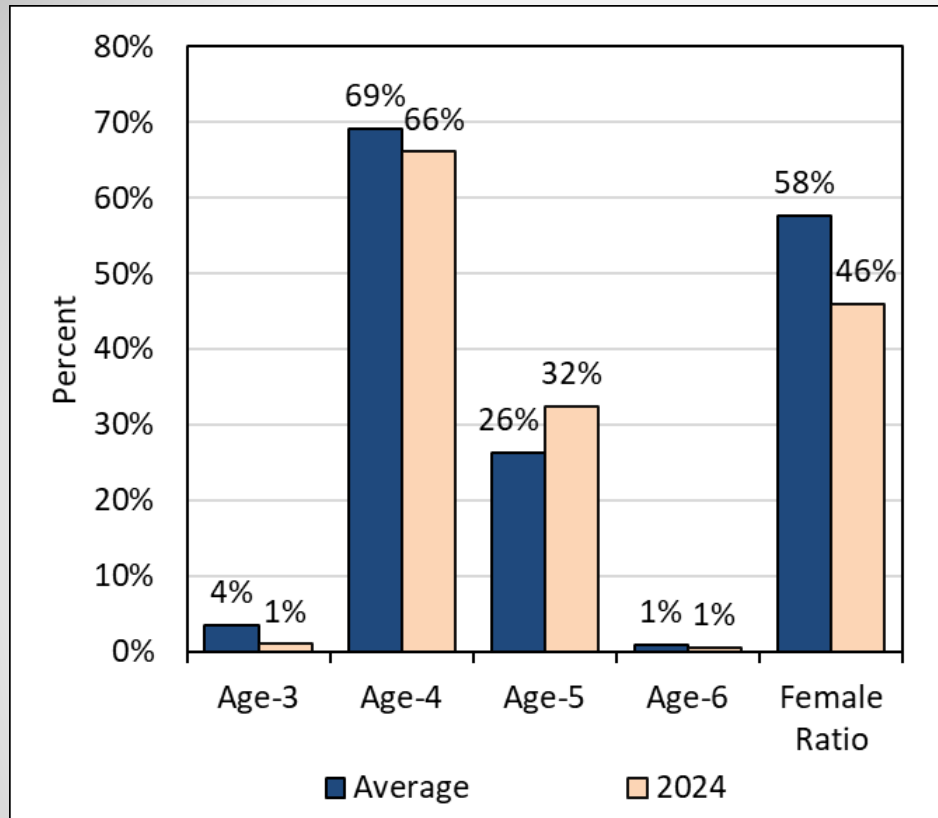
Subsistence harvest was expected to be very low
Preliminary 2024 harvest was estimated to be 3,618 fall chum salmon

Run Assessment



Moose at Eagle sonar (L), Emmonak Lower Yukon Test Fish crew (R), Delta River fall chum salmon survey (B)
Photos by ADF&G Staff Jackson, Gleason, and Borba in 2024

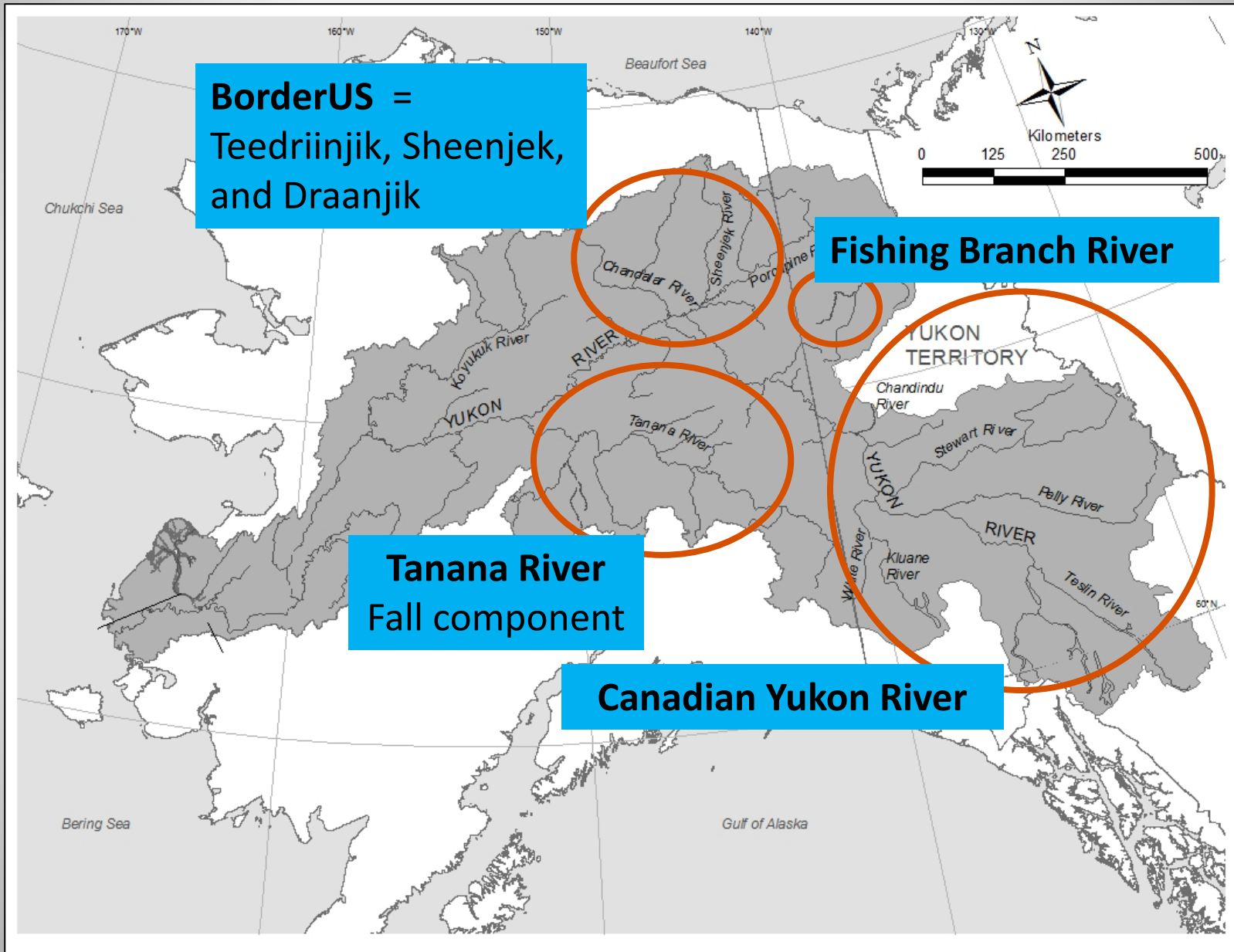
Assessment of Age, Sex, and Length (Lower)



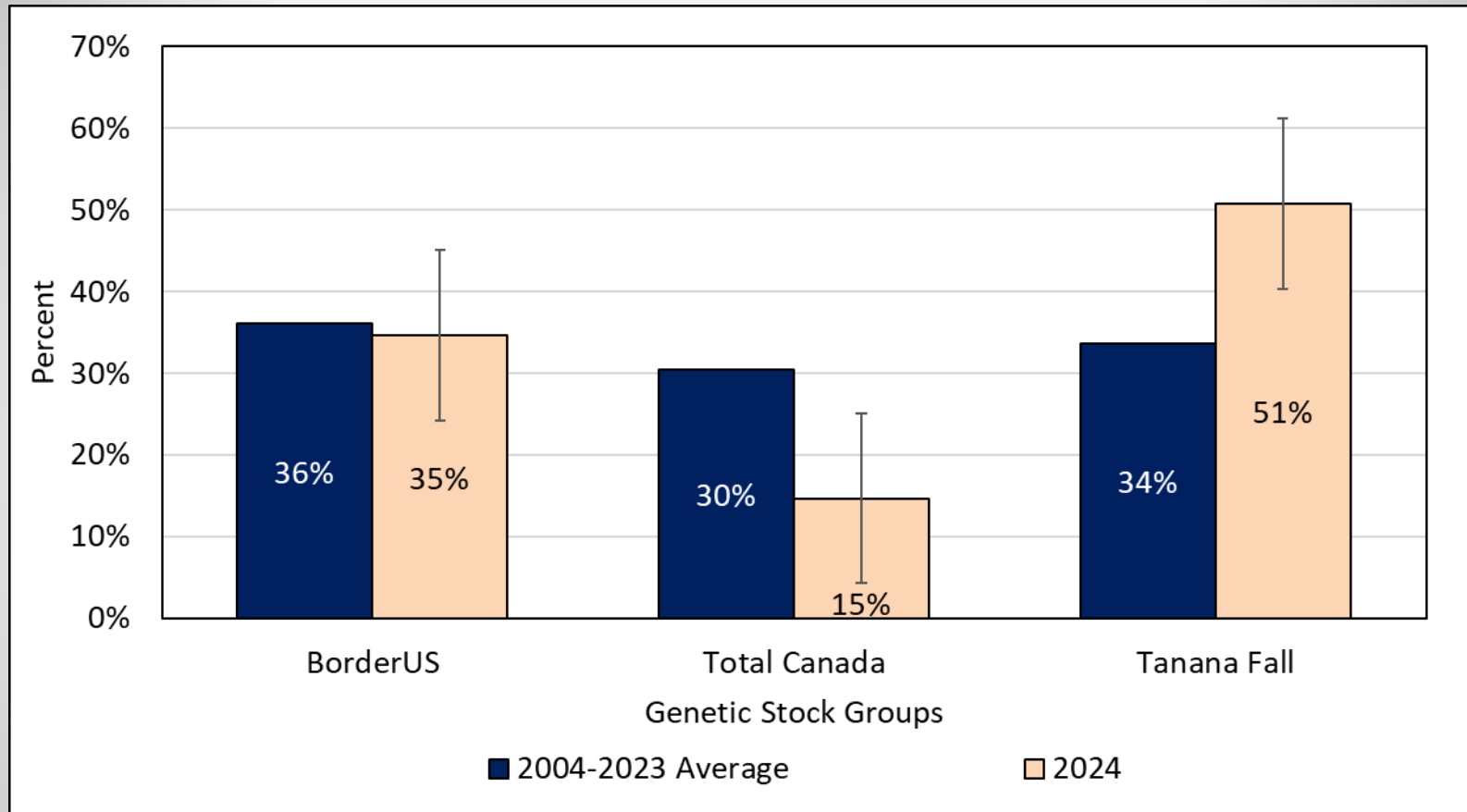
Lower Yukon Test Fishery data for chum salmon in fall season

- Most age classes were below average, only age-5 was above average
- Proportion of females was third lowest on record
- Chum salmon length was again well below average

Genetic Groupings of Fall Chum Salmon



Fall Chum Salmon Genetic Assessment



- BorderUS was average
- Canada stocks were below average
- Tanana stocks were above average

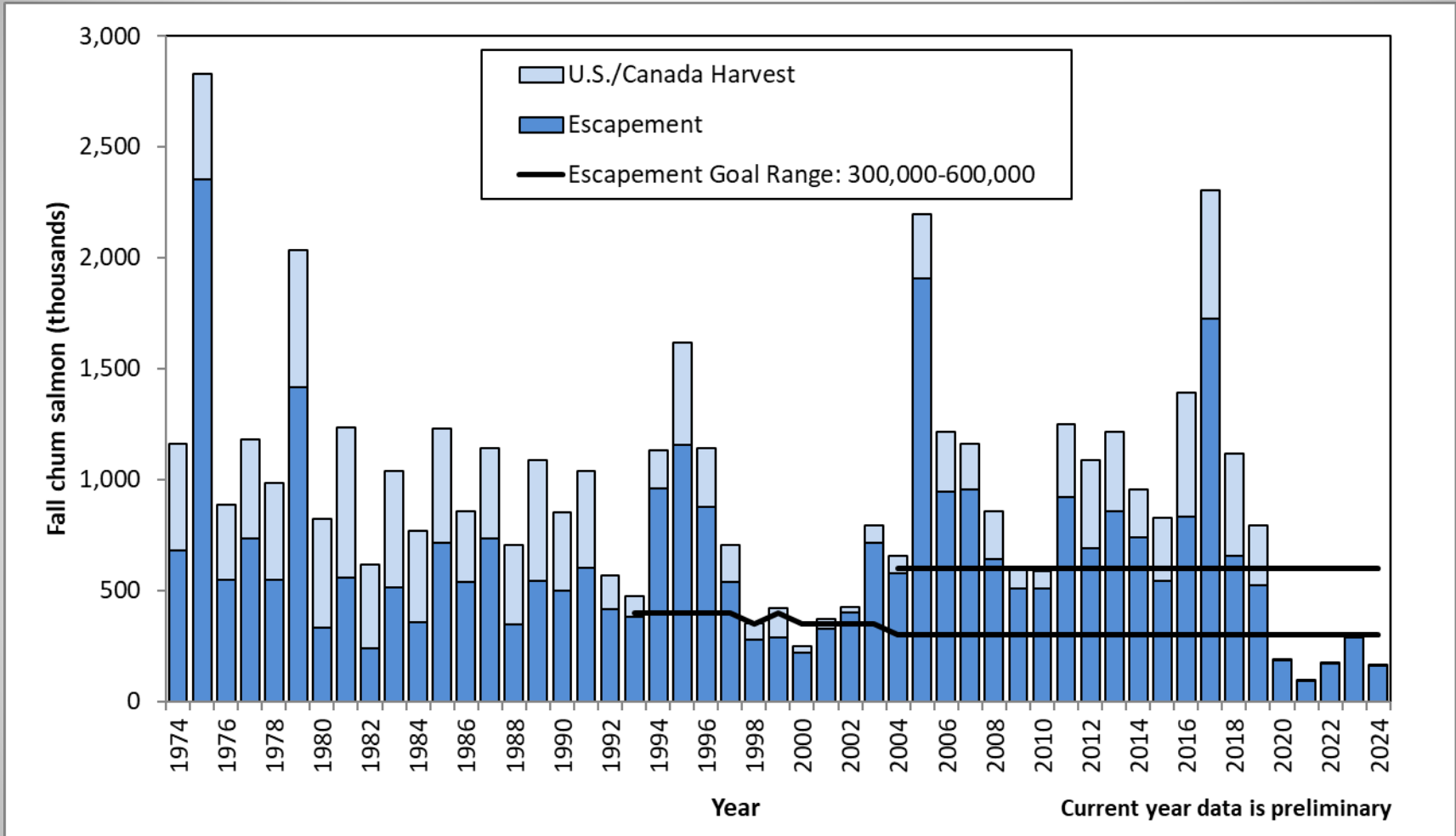
Preliminary Fall Chum Salmon Escapement Estimates

<u>Location</u>	<u>Current Goal</u>	<u>Median</u>	<u>2024</u>
Yukon Drainagewide	300,000–600,000	548,000	161,000
Teedriinjik	85,000–234,000	178,000	58,000
Sheenjek River	None	65,000	14,000
Delta River	7,000–20,000	17,000	17,000
Mainstem Canada	70,000–104,000	89,000	16,000
Fishing Branch River	22,000–49,000	23,000	6,000

<u>Key</u>
Exceed
Within
Below
Unknown

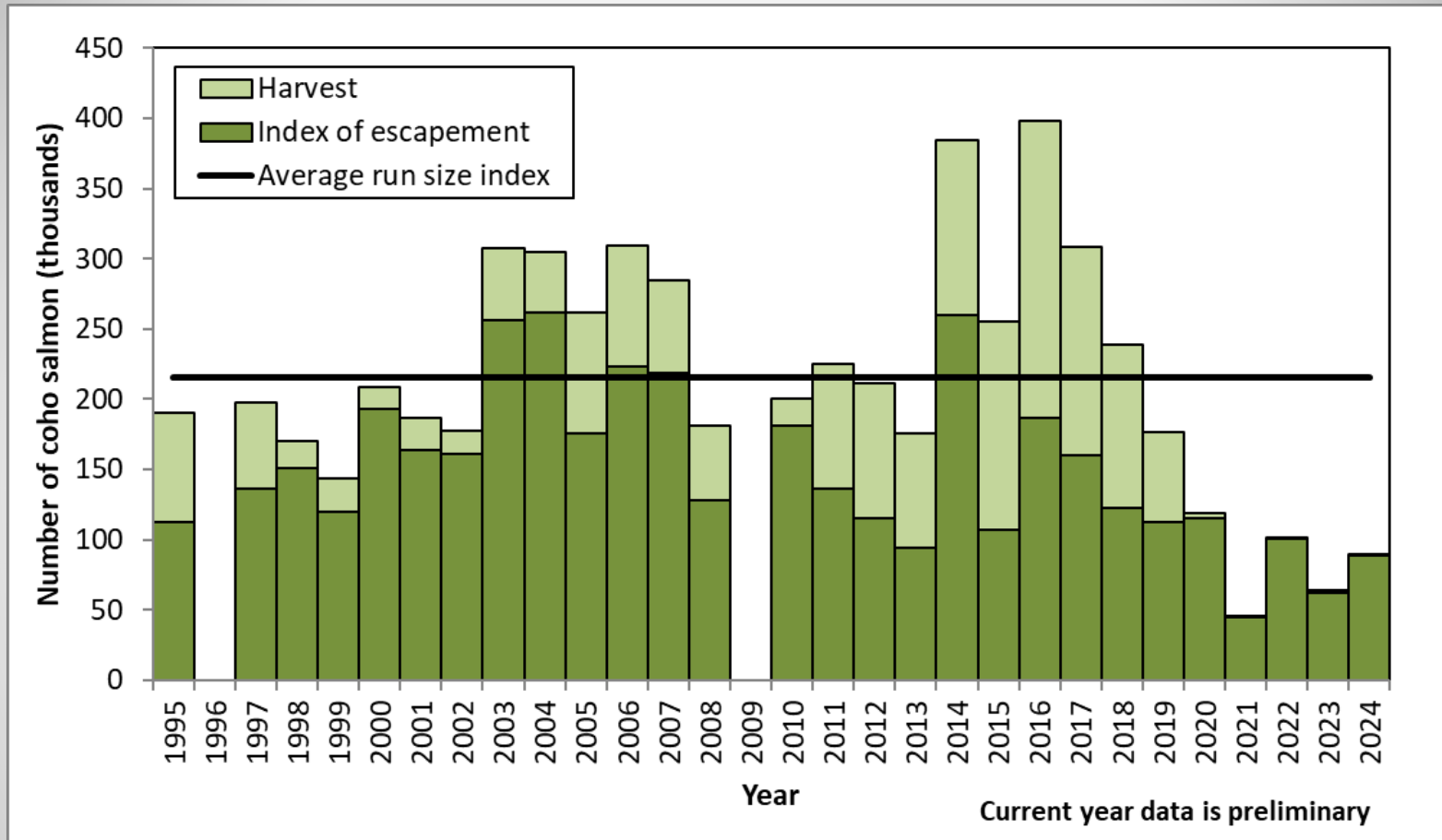
Sustainable Escapement Goals for U.S.
Interim Management Escapement Goals for Canada

Fall Chum Salmon Run Sizes



2024 was second lowest run size

Coho Salmon Summary



- 2024 run size index was below average and the third lowest
- Preliminary subsistence harvest was estimated to be 1,730 fish

Acknowledgements

Asa'carsarmiut Tribal Council

Tanana Chiefs Conference

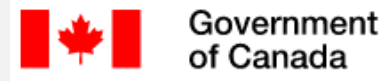
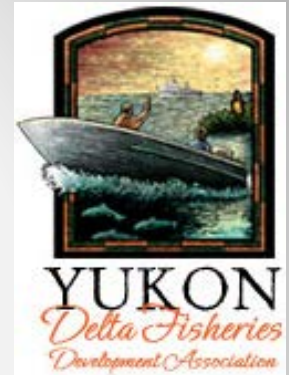
U.S. Fish & Wildlife Service

Yukon Delta Fisheries Development
Association

Yukon River Drainage Fisheries Association

Yukon River Intertribal Fish Commission

Fisheries and Oceans Canada



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