

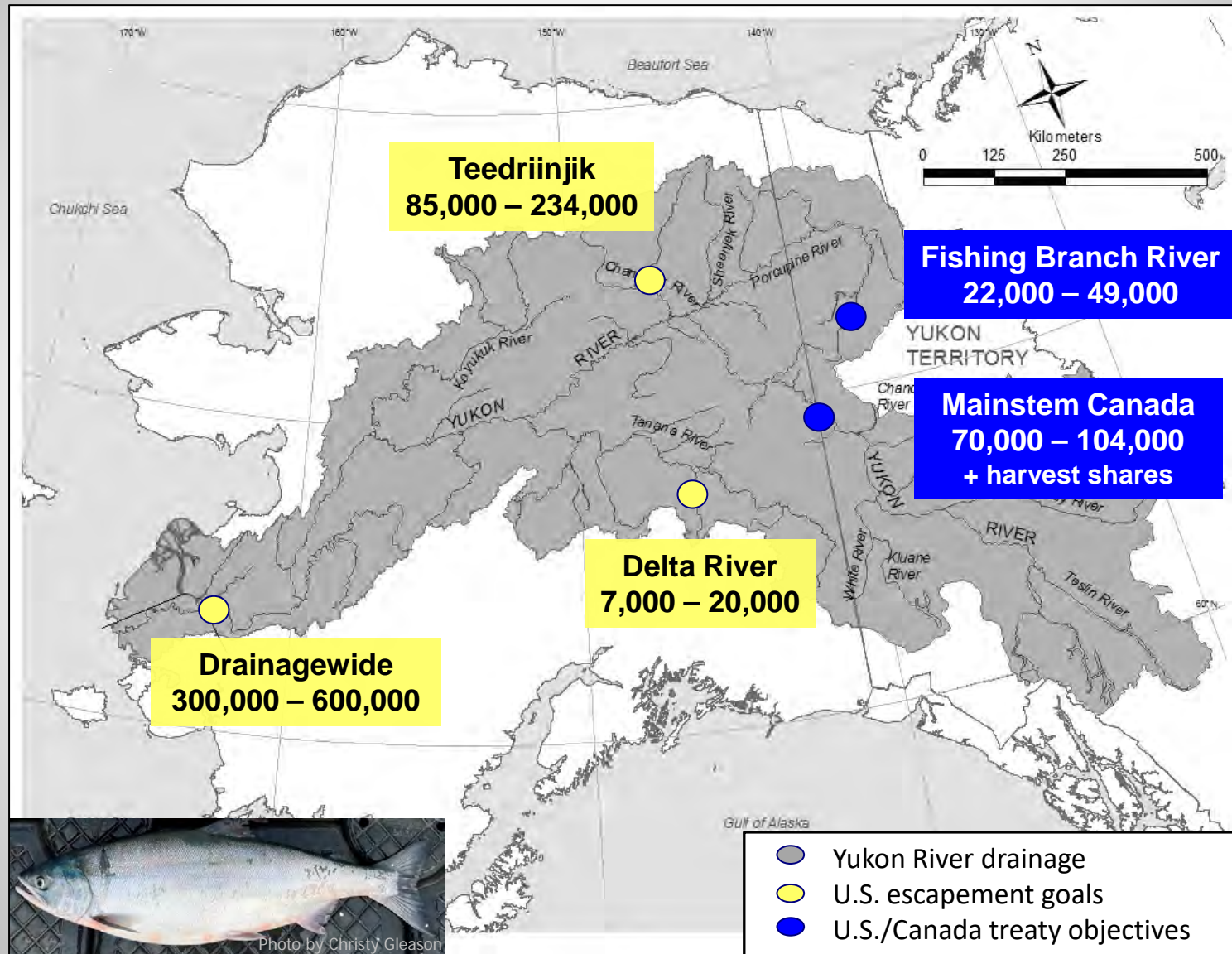
2024 Yukon River Fall Chum and Coho Salmon Outlook

**YRDFA Preseason Planning Meeting
May 2, 2024
Anchorage**

Presentation by Christy Gleason



Fall Chum Salmon Management Objectives



Fall Chum Salmon Assessment to Inform Management Actions

Forecast

(Spring)

46 years parent/offspring

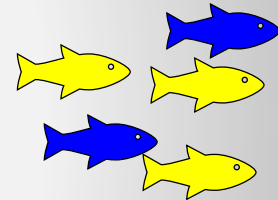
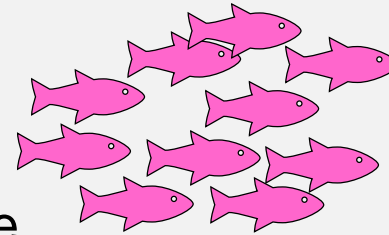


Preseason Projection

(middle July)

Based on 2024 summer chum run size

Informs early fall season fishing

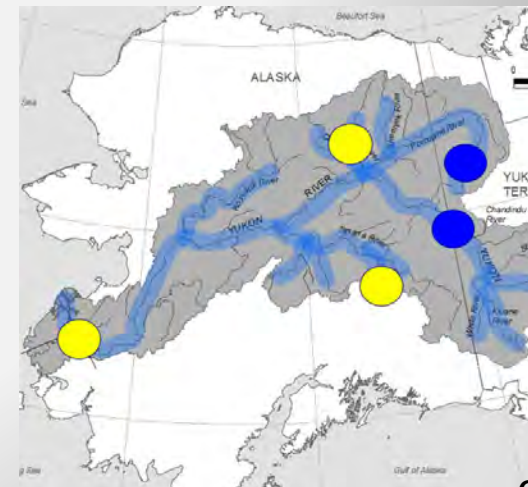
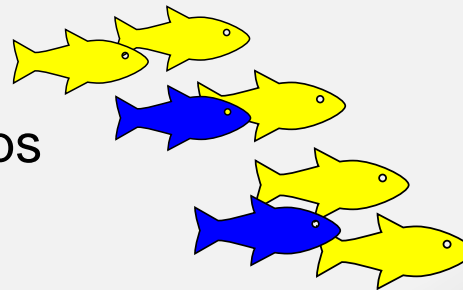


Inseason Projection

(July-October)

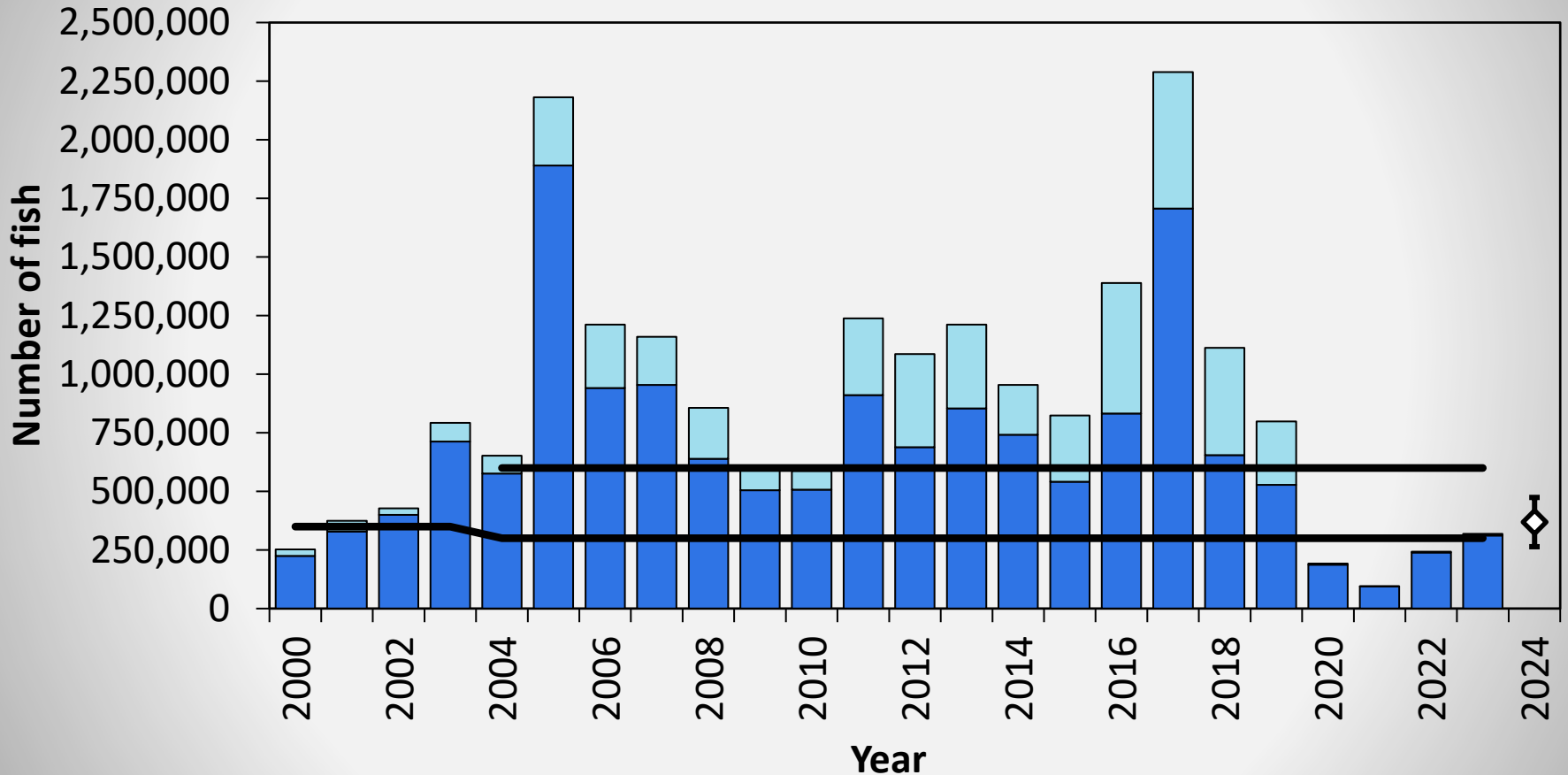
2024 fish counts & genetic groups

Informs inseason fishing



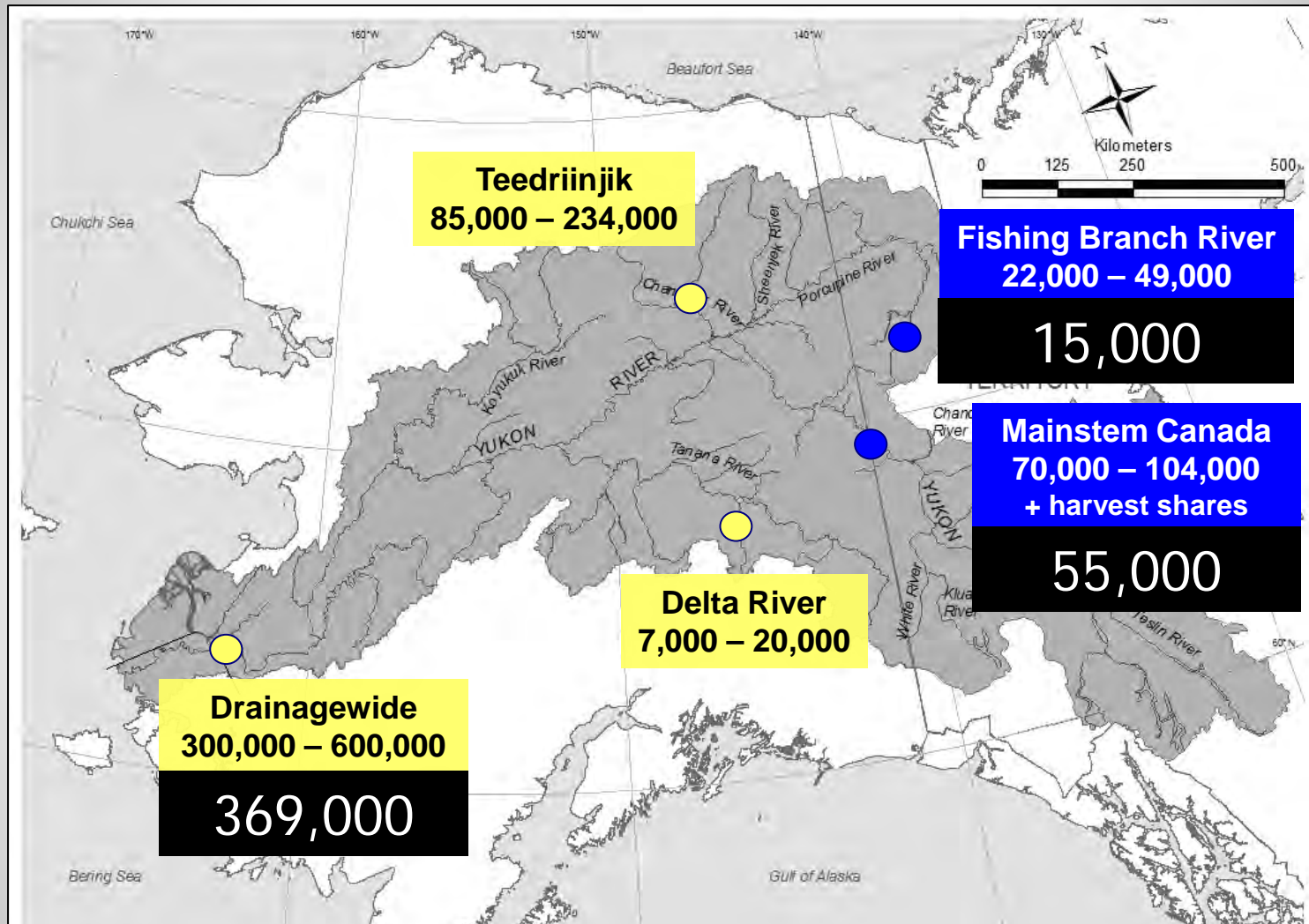
Fall Chum Salmon Stock Status

Escapement Harvest Drainagewide Escapement Goal



◇ 2024 Forecast: 369,000 fall chum salmon
(range: 263,000 – 474,000).

2024 Fall Chum Salmon Outlook



- Uncertainty during recent salmon decline.
- Possible to meet U.S. escapement goals, likely below Canadian treaty goals.

Coho Salmon Distribution

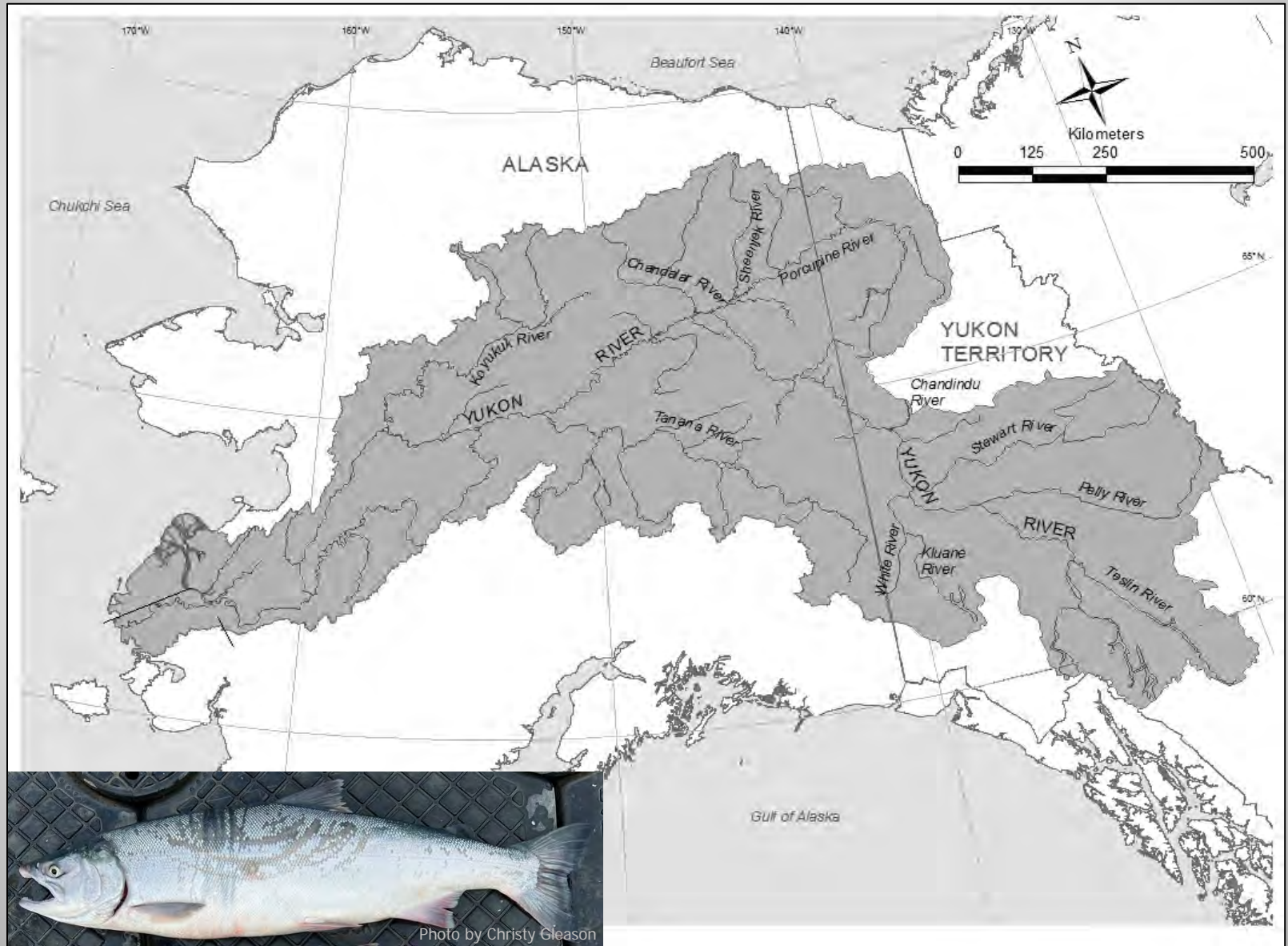
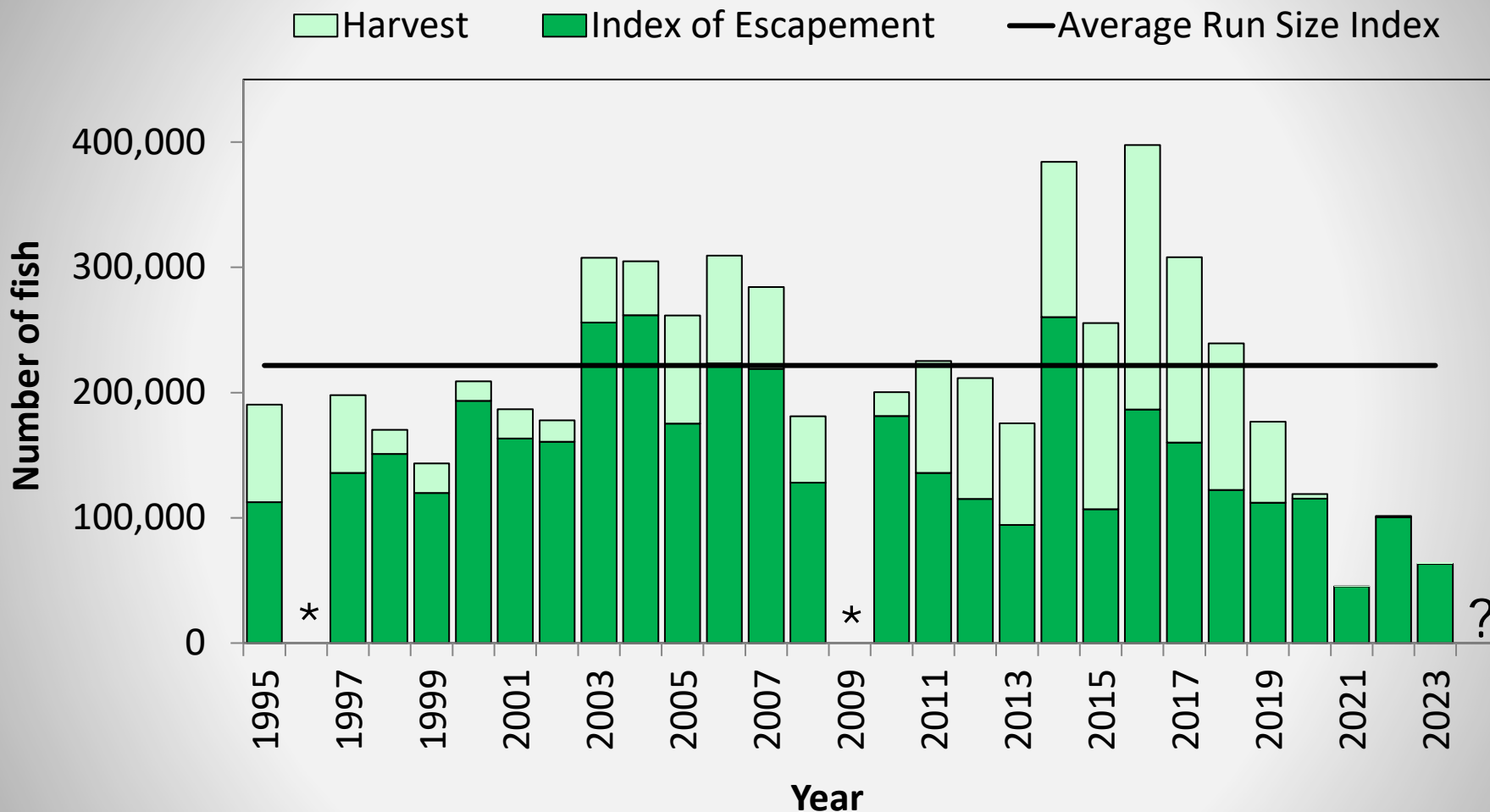


Photo by Christy Gleason

Coho Salmon Stock Status



- 2024 Outlook: Below average coho salmon run.
- Parent year escapement (2020): 115,000.

* Data unavailable

2024 Fall Season Fisheries Management



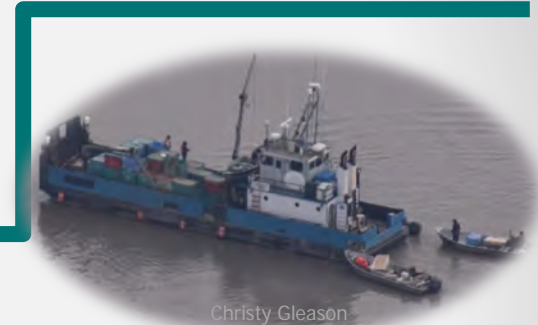
Yukon River Drainage Fall Chum Salmon Management Plan

**2024
Forecast**



300,000+

550,000+



Subsistence*
Personal Use*
Sport*
Commercial*

0 – 300,000



Subsistence*



Closed to meet
escapement goals

* Possible restrictions to meet
escapement goals

2024 Subsistence Fishing Opportunities

If below escapement goals:

- Salmon fishing closures.
- Selective gear for nonsalmon and some salmon species.
 - Dip nets, hook and line, beach seines, and manned fish wheels.
 - If warranted, require release of a salmon species.
- 4-inch or smaller mesh set gillnets limited to 60 feet length.



2024 Subsistence Fishing Opportunities

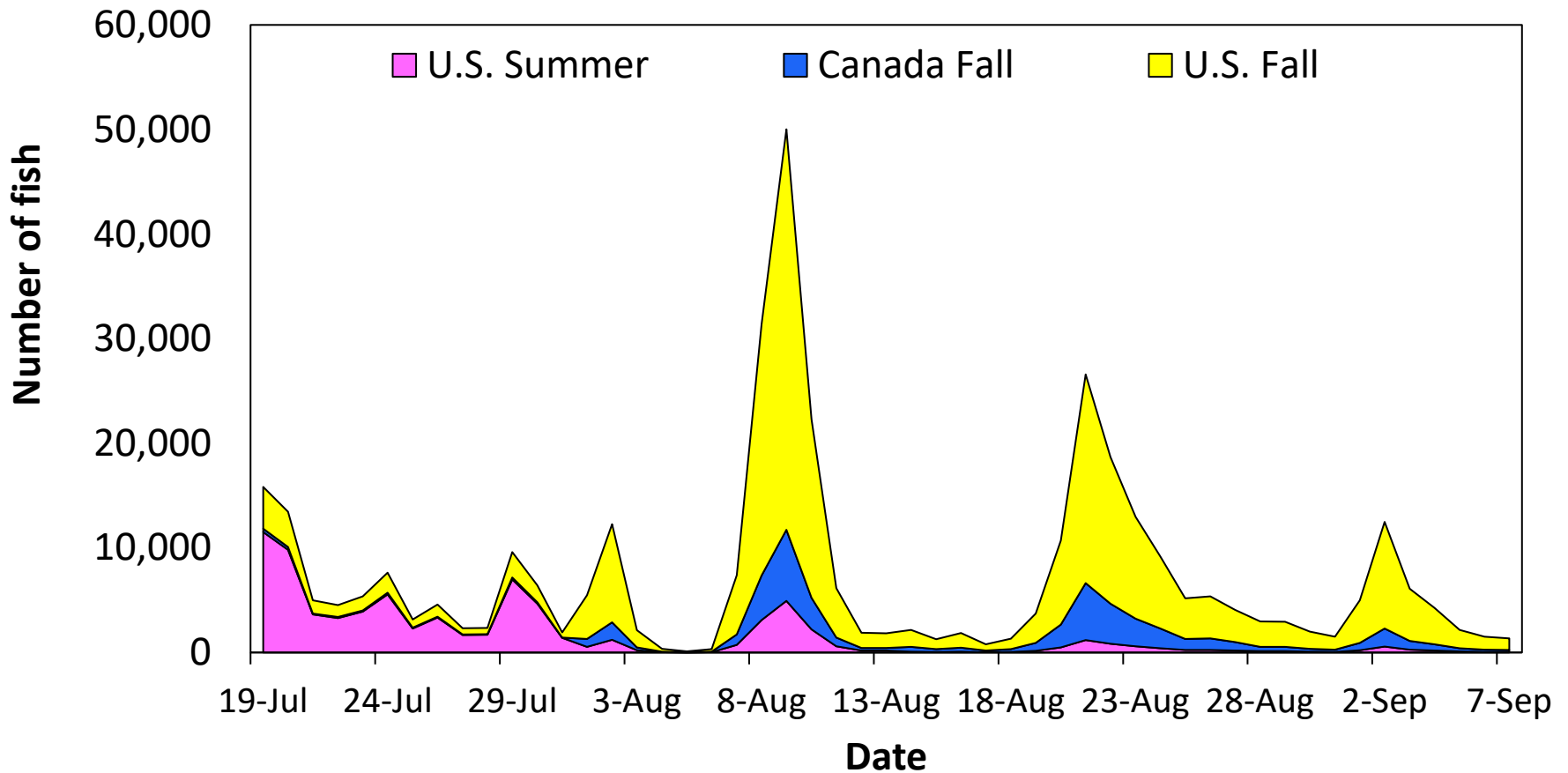
If the chum salmon run improves...

Subsistence salmon fishing opportunities depend on:

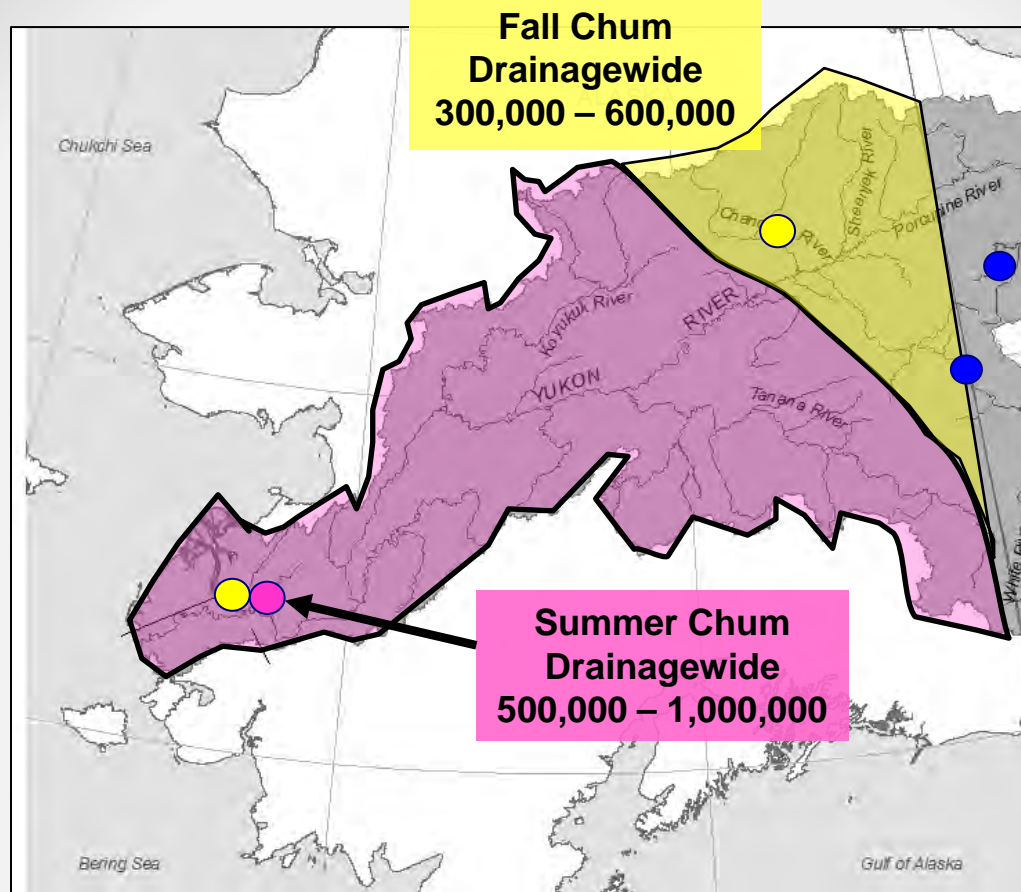
1. Run timing of chum salmon genetic groups.
2. If abundance is projected to meet escapement goals.
3. A surplus exists to allow directed chum salmon harvest.
4. Coho salmon run timing and abundance.

Review of 2023 Chum Salmon Genetic Run Timing During the Fall Season

Chum Salmon – Lower Yukon River Sonar



Mid-July

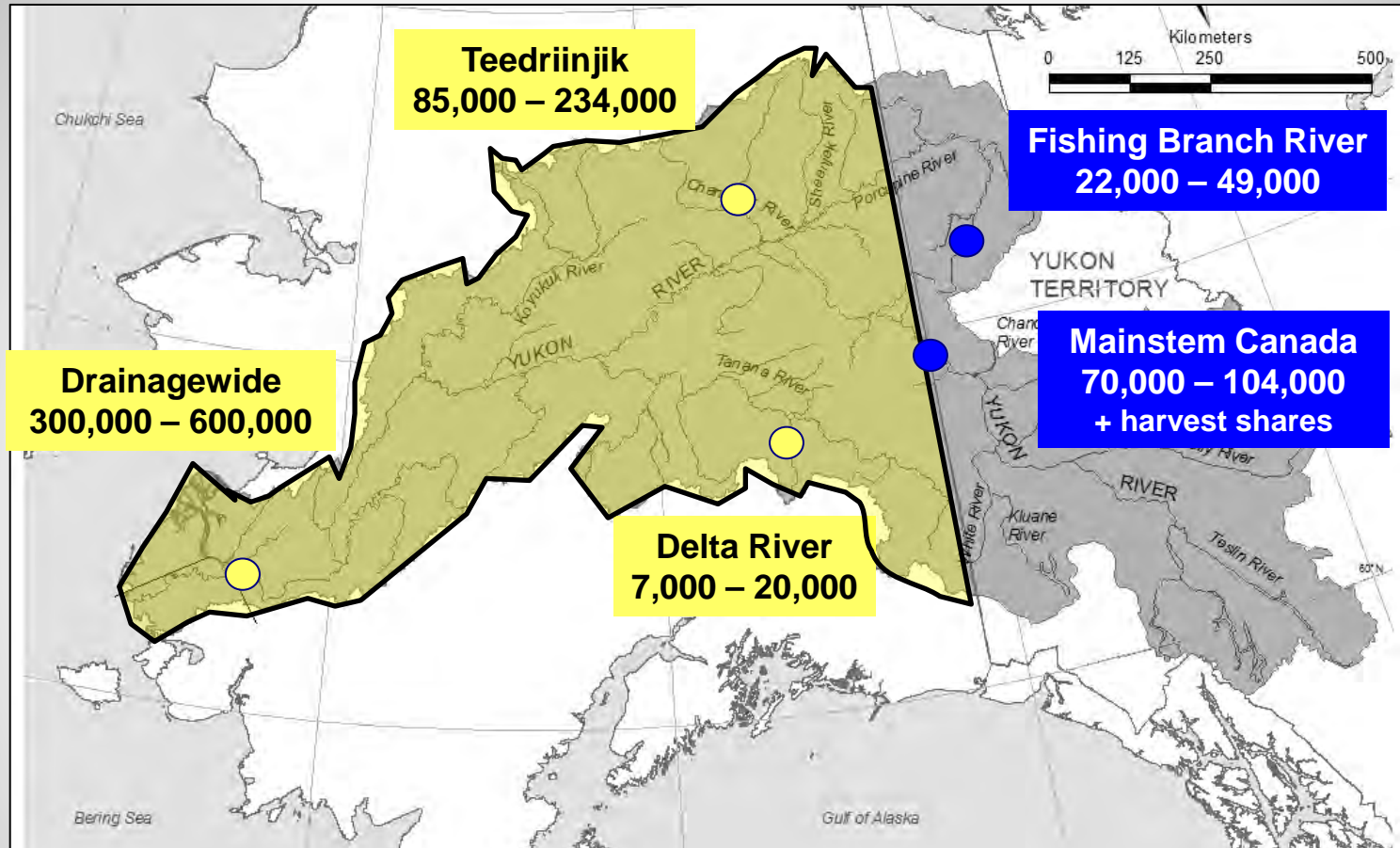


If within U.S. summer and fall chum drainagewide escapement goals, but below Canadian fall chum salmon goals.

- Closed to chum salmon fishing: Mainstem of Upper Yukon, Porcupine, and Teedriinjik.
- Open to chum salmon fishing: U.S. tributaries and lakes.
 - Gear and Time: Selective gear or salmon gear (6-inch gillnets & fish wheels).

Time may be limited to meet escapement goals.

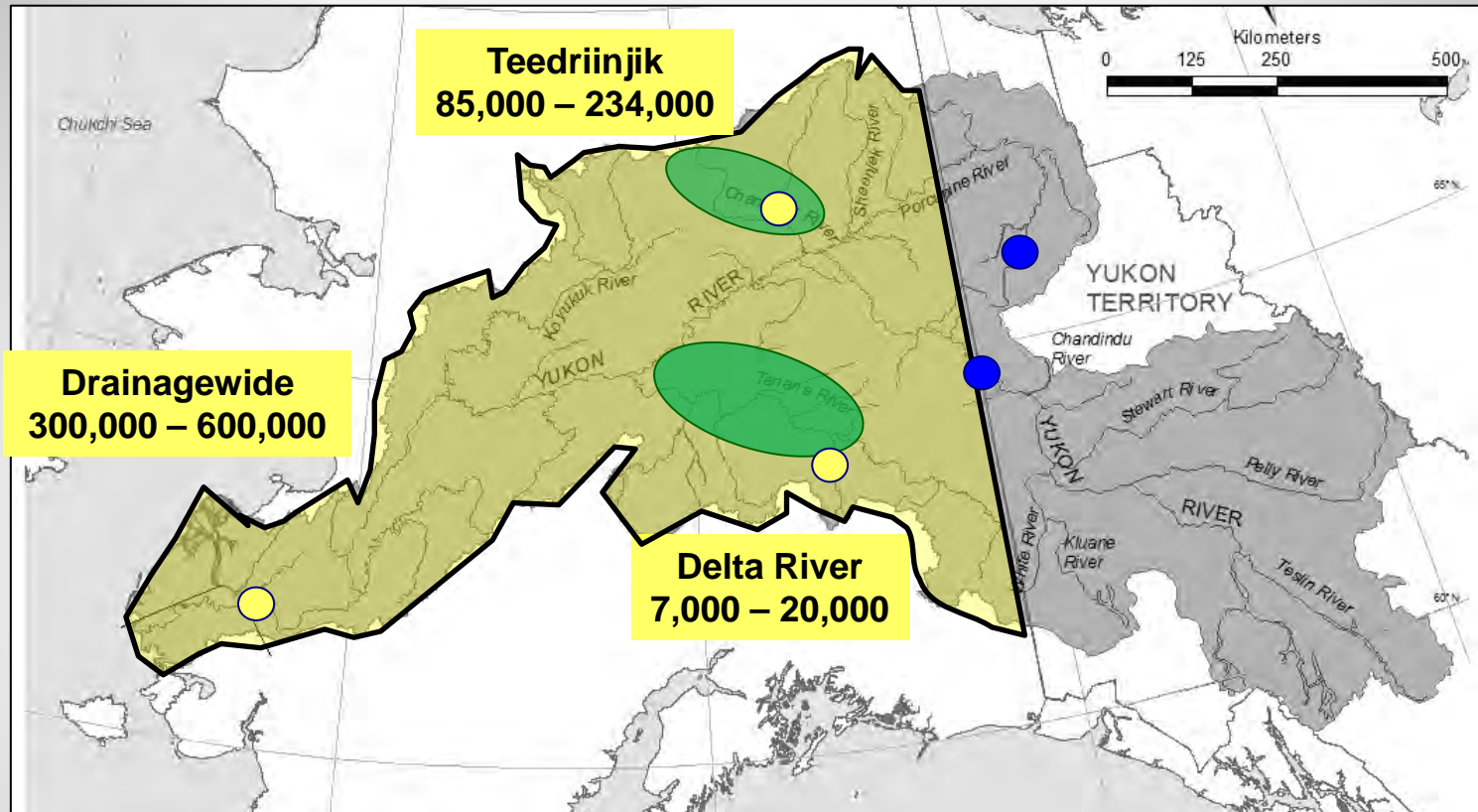
Late July-August



If within U.S. fall chum drainagewide goal, but below Canadian fall chum salmon goals.

- Closed to chum salmon fishing: Yukon mainstem and spawning tributaries.
- **Open to chum salmon fishing**: U.S. tributaries and lakes.
 - Gear and Time: Selective gear or salmon gear (6-inch gillnets & fish wheels).
Time may be limited to meet escapement goals.

Late Season



If within U.S. fall chum drainagewide and tributary goals, but below Canadian fall chum salmon goals.

- Closed to chum salmon fishing: Mainstem Yukon and Porcupine rivers.
- **Open to chum salmon fishing in** Teedriinjik and Tanana River drainages.
 - Gear and Time: Selective gear or salmon gear (6-inch gillnets & fish wheels).
Time may be limited to meet escapement goals.
- Relax restrictions in the mainstem starting in Lower Yukon earlier than October 1.

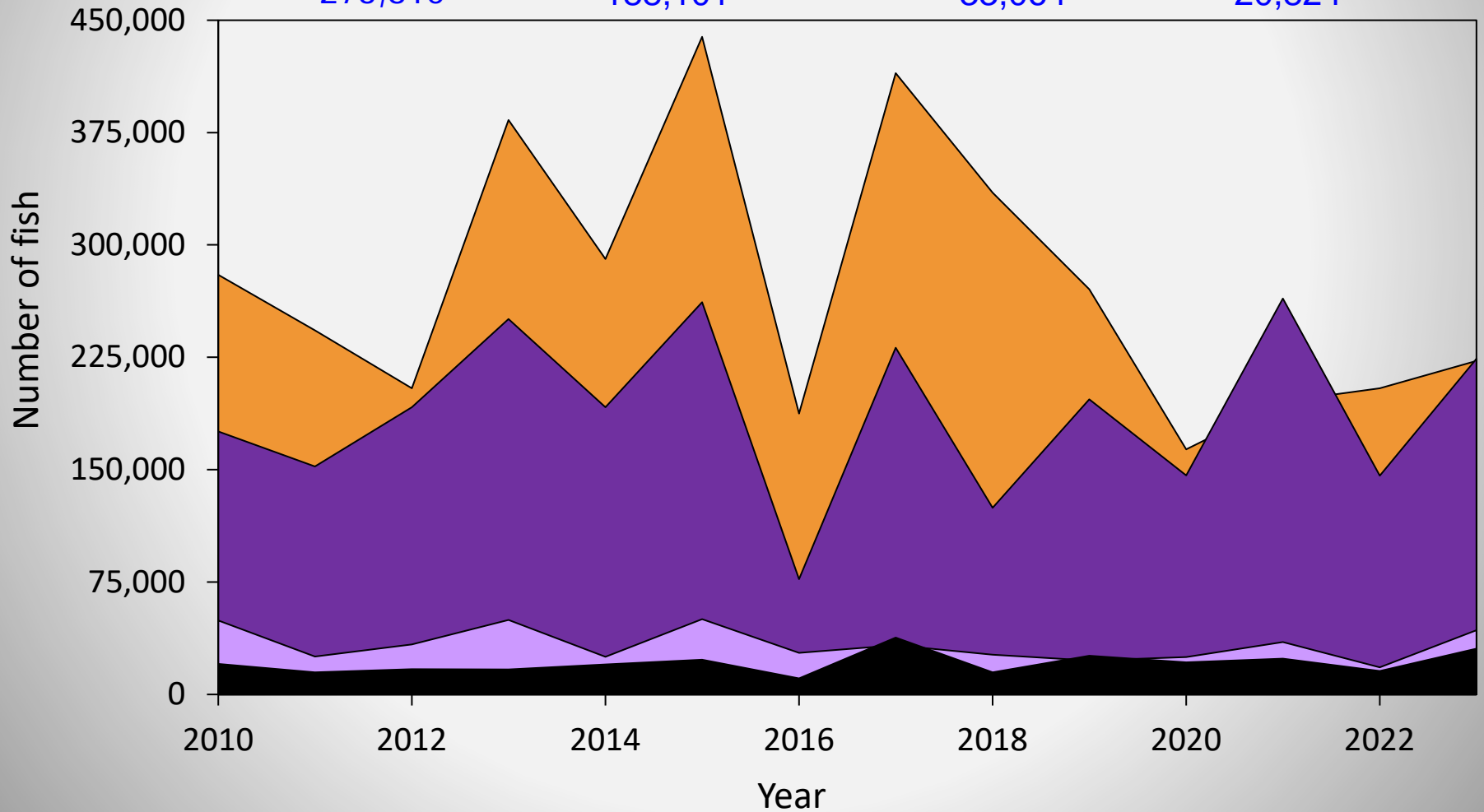


Nonsalmon Sonar Passage Lower Yukon River



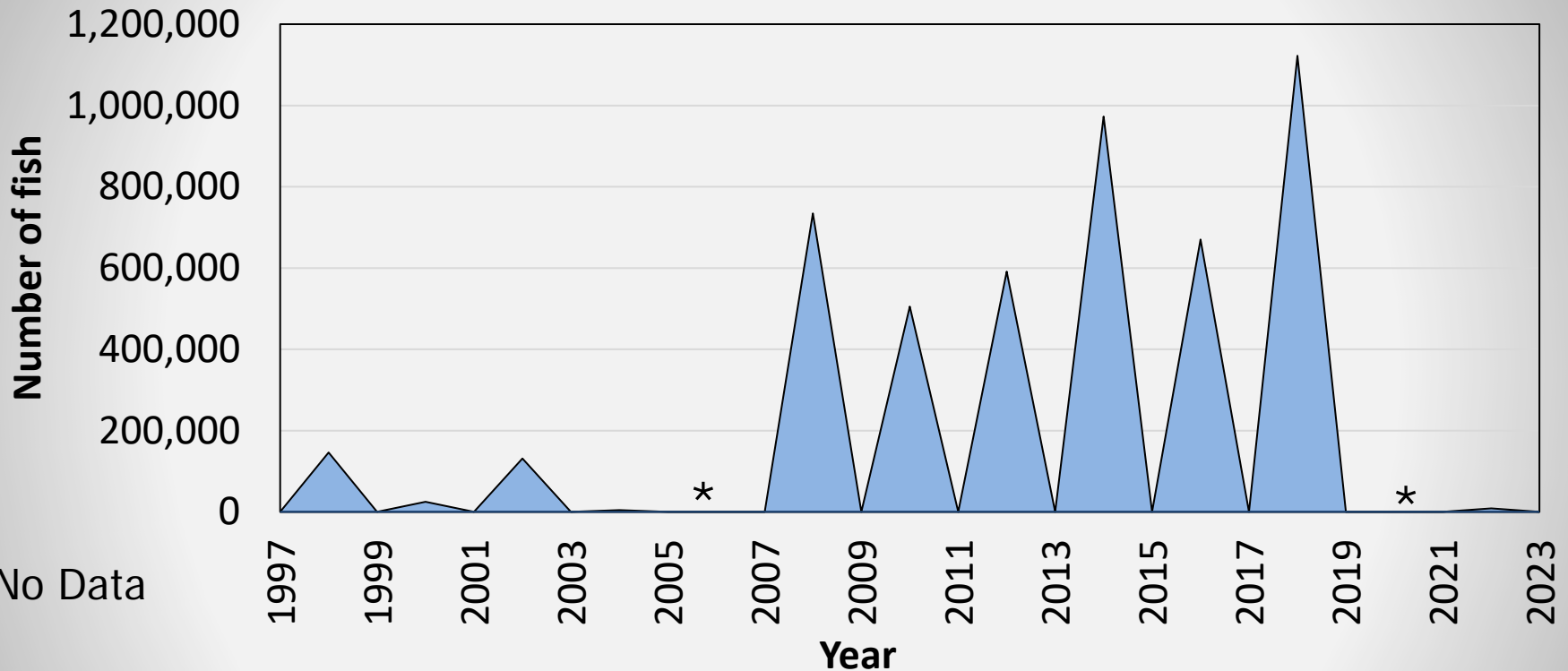
Averages

Cisco	Humpback Whitefish	Sheefish	Broad Whitefish
273,810	188,101	33,064	20,824



Pink Salmon

Anvik River Sonar Passage



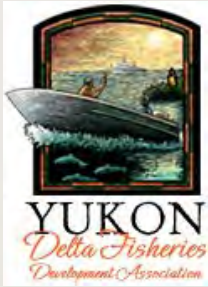
* No Data



Photo by J. Paes

- Run timing: July to early August.
- Median (even years): 505,000 fish.
- Abundant in even years (2024).
- Range: Coast to Anvik River.

Acknowledgements



Asa'carsarmiut Tribal Council
Fisheries and Oceans Canada

Tanana Chiefs Conference
U.S. Fish & Wildlife Service

Yukon Delta Fisheries Development Association
Yukon River Drainage Fisheries Association



Thank you

for the continued support for Yukon salmon conservation

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