



2023 Canadian Yukon River Chinook Salmon Management Outlook

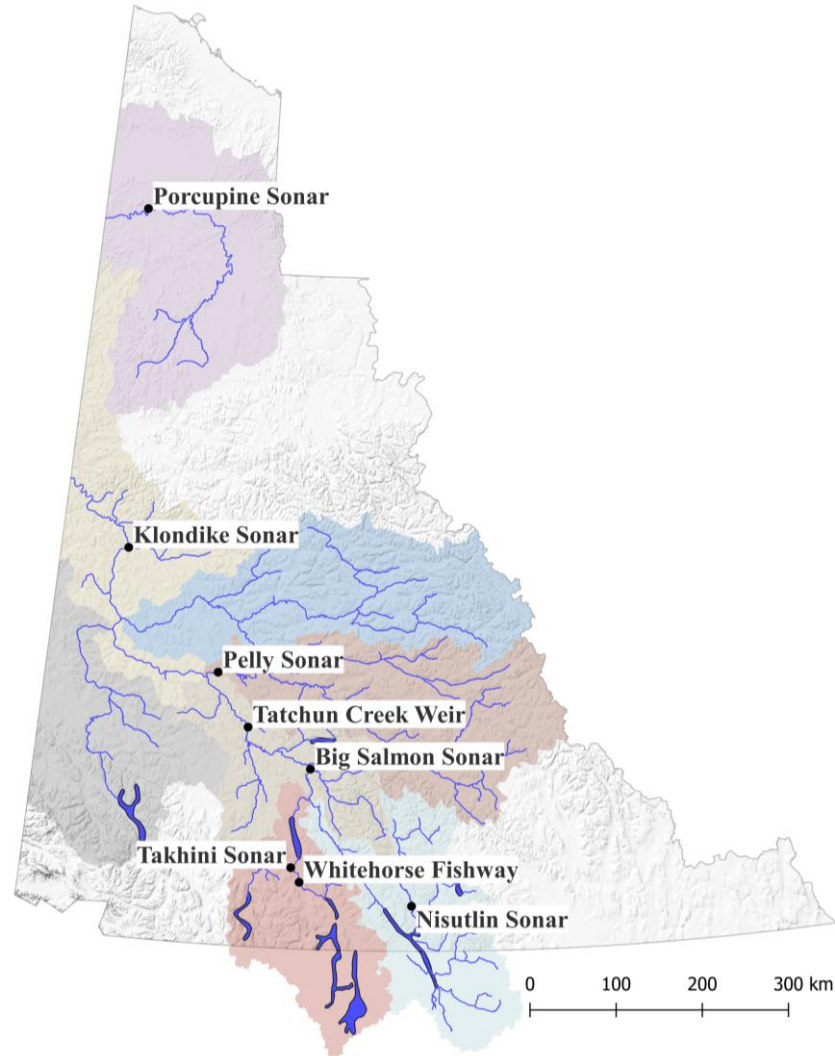
Presented to:

Yukon River Panel

April 2023



2023 Anticipated Canadian Chinook Assessment Projects



2023 Anticipated Canadian Chinook Assessment Projects

- **Porcupine Sonar**
 - DFO & Vuntut Gwitchin, estimating Chinook return in the Canadian Porcupine River.
- **Klondike Sonar**
 - Tr'ondëk Hwëch'in project to enumerate Chinook in Klondike River.
- **Pelly Sonar**
 - Selkirk First Nation project, proposed resumption in 2023. Estimating Chinook return to one of the most historically productive Canadian YR drainages.
- **Tatchun Creek Weir**
 - Little Salmon Carmack First Nation project to enumerate Chinook in Tatchun Creek.
- **Big Salmon Sonar**
 - Proposed project resumption in 2023. One of the most long standing Canadian YR Chinook projects.
- **Takhini Sonar**
 - Kwanlin Dün First Nation project to estimate Chinook return in Takhini River.
- **Whitehorse Fishway**
 - Monitoring and assessing Chinook passage of hydroelectric dam on Yukon River.
- **Nisutlin Sonar**
 - Teslin Tlingit First Nation project to estimate Chinook return to one of the most historically productive Canadian YR drainages, as well as one of the longest salmon migrations.

Other Assessment/Projects

- **Many additional projects which focus on Chinook salmon are currently planned in Canadian Yukon River drainage, including work undertaken by:**
 - Vuntut Gwitchin
 - Tr'ondëk Hwëch'in
 - Ta'an Kwäch'än
 - Kwanlin Dün
 - Teslin Tlingit
 - Collaborative
 - Yukon First Nations Salmon Stewardship Alliance & Natasha Ayoub
 - Fisheries and Oceans Canada

Not an exhaustive list of all Chinook salmon works and details of each program presently taking place in Yukon and does not include all pending projects which may be initiated this coming year.

2023 Mainstem Chinook Salmon Outlook and Harvest Shares: as per YRSA*

Category	Point Estimate
Total Yukon River Drainage U.S. and Canadian-origin Outlooks	82,000
Canadian-origin Outlook	34,000
Interim Management Escapement Goal Range (IMEG)	(52,500) **
Total Allowable Catch (TAC): U.S. and Canada	0
U.S. Harvest Share / Allowable Catch (77%)	0
Canadian Harvest Share / Allowable Catch (23%)	0

* *Yukon River Salmon Agreement* is Chapter 8 of the *Pacific Salmon Treaty*; Harvest Sharing provisions are identified in Appendix II to the YRSA.

** Canada's recommended approach for 2023

2023 Canadian-Origin Chinook Salmon: Canadian (Domestic) Priority of Opportunity

1. Conservation / Spawning Escapement
2. First Nation / Subsistence Fishery Harvest
3. Other*
 - Licensed Public Angling Harvest
 - Commercial Fishery Harvest
 - Domestic Fishery Harvest

**Harvest opportunity provided to “other” fisheries only if full First Nation Fishery available / provided.*

2023 Canadian-Origin Chinook Salmon: Annual Management Planning Process

- Pre-season planning involves international and domestic obligations.
- Engagement with Yukon First Nation Governments, Stakeholders and Public.
- Yukon Salmon Sub-Committee management recommendations.
- Develop strategies and implement Integrated Fisheries Management Plan.



PACIFIC REGION

**INTEGRATED FISHERIES
MANAGEMENT PLAN**
JULY 1, 2022 – JUNE 30, 2023

YUKON RIVER, Y.T.
CHINOOK, FALL CHUM, AND COHO



Osoomgínoosúú k'at'e

 Fisheries and Oceans Canada  Píshas at Odeens Canada  Canada

This Integrated Fisheries Management Plan is intended for general purposes only. Where there is a discrepancy between the Plan and the Fisheries Act and Regulations, the Act and Regulations are the final authority. A description of Areas and Subareas referenced in this Plan can be found in the Pacific Fishery Management Area Regulations, 2007.

2023 Canadian-Origin Chinook Salmon: Anticipated Management Strategy

- Rely on in-season estimates from Pilot sonar for the majority of Canadian fishing season.
- Mid-point of Pilot sonar passage used for first in-season estimate of 2023 abundance.
- Specific management measures will be based on Yukon River Panel recommendations and Canadian consultations.

2023 Canadian-Origin Chinook Salmon: Anticipated Fishery Opportunities

- No harvest allocation anticipated for Canada:
 - Based on recent performance of in-season estimates.
 - “Missing” fish between Pilot and Eagle.
 - Lower end of IMEG not met in 2019-2022.
- No anticipated First Nation harvest opportunity.
- Long term commercial closure
- Closure of domestic and public angling Fisheries.

Comments/Questions?

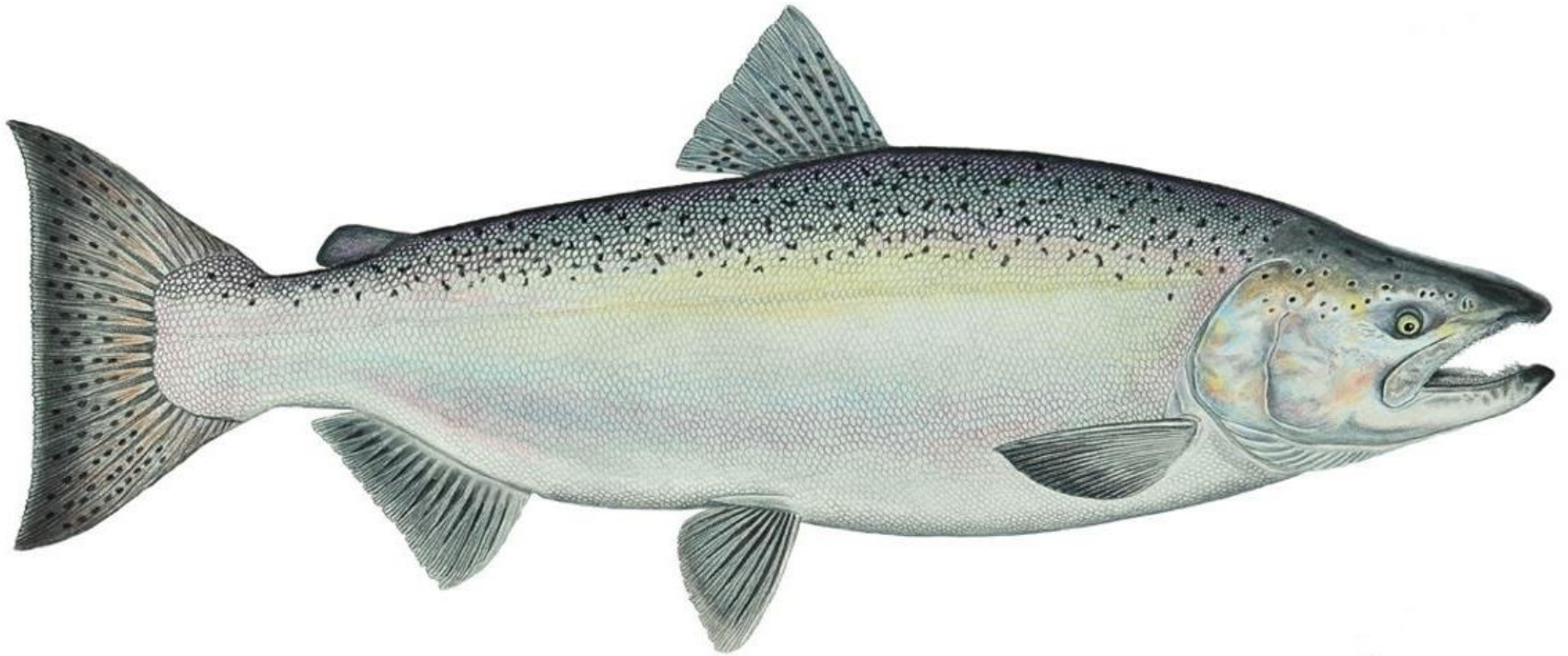


Illustration: Dr. Paul Vecsei