



2021 Yukon River Chinook Salmon Preliminary Canadian Management Strategies

Presented to:

Yukon River Panel

Agenda Item #7.c.

Fisheries and Oceans Canada
Yukon River Treaties and Fisheries
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April 13, 2021



2021 Canadian-Origin Chinook Salmon Yukon River Mainstem



Presentation Outline

- Overview Map
- Outlook, Total Allowable Catch and Canadian Harvest Share
- Management Planning Process
- Anticipated Fishery Opportunities

Yukon River Canadian-Origin Salmon: Mainstem Assessment Sites in 2021



2021 Mainstem Yukon River Canadian-Origin Chinook Salmon: Outlook and Harvest Shares as per YRSA*

| Probability of Run Size | Canadian-Origin Run Size Outlook | **Total Allowable Catch (TAC) | Canadian Harvest Share (23%) |
|-------------------------|----------------------------------|-------------------------------|------------------------------|
| 50% | 57,000 | 2,000 to 14,500 | 460 to 3,340 |
| 75% | 48,500 | 0 to 6,000 | 0 to 1,380 |
| 90+% | 42,000 | 0 | 0 |

**TAC is calculated by subtracting the Interim Escapement Management Goal (IMEG) of 42,500 to 55,000 from the run size. Used as a guide pre-season and in-season and is finalized post-season.

Example: $(57,000 - 55,000)$ to $(57,000 - 42,500)$ = TAC of 2,000 to 14,500

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

2021 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 recommendation(s).
- Develop strategies and implement Yukon River Salmon Integrated Fisheries Management Plan



PACIFIC REGION

**INTEGRATED FISHERIES
MANAGEMENT PLAN**
JULY 1, 2020 – JUNE 30, 2021

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



Oncorhynchus tshawytscha

 Fisheries and Oceans Canada  Fisheries and Oceans 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 the Plan can be found in the Pacific Salmon Management Area Regulations, 2007.

2021 Canadian-Origin Chinook Salmon: Canadian Priority of Allocation

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

**Allocation (harvest opportunity) provided to "other" fisheries only if full allocation is available for the First Nation fishery.*



2021 Canadian-Origin Chinook Salmon: Canadian Management Approach

Considerations:

- Rely primarily on in-season estimated abundance as determined by Pilot Station sonar for the majority of the Canadian fishing season.
- Mid-point of Pilot Station sonar passage (period) will be used to estimate first “in-season” estimate of 2021 abundance.
- Eagle sonar will serve as an “indicator” to confirm passage of fish (abundance) estimated by Pilot Station sonar.
- Specific management measures will be based on Yukon River Panel recommendations and domestic (Canadian) consultations.

2021 Canadian-Origin Chinook Salmon: Anticipated Canadian Fishery Opportunities

Management Planning Assumptions (Allocation):

- Reasonable probability that the Canadian harvest share will be less than 1,400 Chinook
- Recent performance of in-season assessment / estimates
- Potential non-fishery “loss” of fish between Pilot and Eagle
- Lower end of IMEG not achieved in 2019 and 2020

Anticipated Allocation Will Result In:

- Very limited First Nation Fishery
- Closure of Public Angling Fishery
- Closure of Commercial and Domestic Fisheries

Questions or Comments

