





Outline

- Summer 5₂ Management
 - Overview of Recent Management
 - FMI Memo Overview
 - Timelines & Upcoming Work
- Mark Selective Fisheries Work
- 2024-25 Workplan development & input
- Questions for Input



Recent Summer 5₂ Management

Summary of FMIs following 2019 actions

Mgmt Unit	2014-2018 Avg FMI	2019 FMI	2020 FMI			2019-2022 Avg. FMI
Su 52	25.0%	18.2%	13.0%	14.8%	10.2%	13.1%

- 2022 FMI reduced average FMI since 2019 to 13.1% from a 2019-2021 average of 15.6%
- Target FMI for 2023 was to reduce from the ~15.6% estimated for 2019-2021 to ~14%.
 - Additional actions taken in rec & commercial
- 2023 FMI estimates will be available Fall 2024

2022 FMI Memo - JTC Recommendations

Summary	Details		
Maintain management objectives for early-run Chinook of rebuilding depressed stocks and meeting escapement objectives.	Management targets of ER/FMI need to be aligned with escapement objectives (long-term survival and sustainability). JTC member involvement (from FSMC) is recommended in the new FSAR process for Fraser Chinook for future discussion and review.		
Continue the support and representative operation of CWT indicator stock programs for all Fraser Chinook MUs	Ensure CWT indicator stock programs are directly representative of their MU. This will provide more information on understanding the impact on all Fraser CN.		
Conduct an audit of the current Fraser River Chinook Run Reconstruction model.	Significant concerns have been identified surrounding several assumptions of the model and its structure not adequately characterizing key uncertainties. Identify how various Chinook escapement infilling procedures influence the Run Reconstruction results.		
Develop plan for obtaining sufficient sample sizes of Chinook in GSI baselines to reduce uncertainty.			
Management planning targets must align with the assessment tools available to evaluate the results with statistical defensibility	(i.e., currently we're managing FMIs to a scale much finer than the associated uncertainties). Estimates of uncertainty need to be produced for all fishery management evaluation tools		



<u>Chinook Timelines</u> – Data & IFMP FSMB / JTC **Develop Options** Seek Feedback **Finalize** Feb → Apr Dec → Jan April 2024-25 Mgmt 2024-25 Mgmt 2024-5 **IFMP** Draft IFMP Deadline for **IFMP New IFMP Priorities** Public Comment Released for **Priorities** Released Letter Consultation on Draft IFMP Letter 11-Jan 13-Feb Mid Dec 15-Apr 29-Jun 2024-5 IFMP 2024-5 IFMP 2025-6 IFMP 2024-5 IFMP 2024-5 IFMP First Second Third Forum **Forum Forum** 30-Jan / 05-Mar / 09-Apr / 01-Feb 07-Mar 11-Apr New IFMP 2024/25 Existing IFMP 2023/24 Feb Jan Mar Apr May Jul Sep Jun Aug Oct Nov Dec Fraser River **Canadian CWT Exploitation Rate Analysis** Fishery Mortality Index (FMI) Fishery Mortality Index Final The Chinook Technical Committee reports Estimated fishing mortalities from Estimated fishing mortalities Spawner Run **Mortality Distribution** annual catches, harvest rates, moralities, the previous year via genetic stock from the via genetic stock Reconstruction tables Abundance identification (GSI) analysis in mixed identification (GSI) analysis in and ER for fisheries within the Treaty areas. Estimated total The Chinook Technical **Estimates** Data for US fisheries is 2 years behind (i.e. stock fisheries and the Fraser run mixed stock fisheries and the catch and returns to Committee calculates HR in 2022) and catch in Canadian fisheries is reconstruction. Results released in a Fraser run reconstruction. the Fraser mouth fisheries based on indicator from the previous year (i.e. 2023). DFO technical memo. Results released in a DFO stock CWT recovers. for each MU. technical memo. **Mid December Mid March** Late April June - December Mid December Late Febr. 2023 Return 2023 Return 2023 Return Returns - 2023 (Can) / 2022 (US) 2022 Return 2023 Return

2024 Planning – Upcoming Work

- 2024-25 Planning process and timelines
 - Develop management objectives for inclusion in draft 2024/25
 Salmon IFMP (complete)
 - Consider input on management approach (March-early April)
 - Evaluation of alternative options (March early April); and,
 - Development of recommendations (end April)
- Science advice (Fisheries Science Advisory Report, FSAR)
 New template to document stock assessment advice on stock status and trends relative to precautionary approach reference points (e.g. limit reference point, etc.). Fraser Chinook assessments intended to inform future development of management objectives.
- Mark Selective Fishery (MSF) framework work to review fishery impacts (e.g. FMI) including MSF; plans to review MSF framework



MSF Discussion Slides (Marcel)

2024 FSMB Workplan – Devel & Input

- The FSMB is currently working to finalize it's 2024-25 Workplan.
- The key areas of work identified in 2023-24 are anticipated to be caried forward, including:
 - Chinook Management
 - Sockeye Management
 - Governance and Process Development
 - FSC Access and Allocation
- Details are included in the background slides
- FSMB is seeking input on 2024-25 workplan items





- 1. The FSMB is looking for feedback on 2024 Su 5_2 Chinook FMI targets between 10-14%. A 14% FMI target was implemented in 2023. Would you like maintain a 14% FMI target for 2024, or see the target reduced? (Next Slido will seek options)
 - 1. Maintain 14%
 - 2. Reduce FMI towards 10%
- 2. What level of FMI would you like to see implemented for Summer 52 Chinook in the 2024 season? (Note: the FSMB has indicated an interest in exploring options between 10-14%)
- 3. Would you support a limited increase in impacts in First Nations FSC fisheries earlier in the season? If so, what do you propose?
- 4. Are there terminal areas where there may be opportunities to harvest salmon returning above spawning requirements?



Background Slides



2023-24 FSMB Workplan

#	Title	Goal
1	Chinook Management Approach	Develop Chinook fisheries management measures that achieve identified conservation objectives and provide for priority access for food, social and ceremonial fisheries.
2	Sockeye Management Approach	Identify a recommended Sockeye escapement plan option(s), management approaches for stocks of concern and support discussions of FSC sharing for First Nations on an annual basis.
3	Governance and Process Development	Support implementation of recommendations arising from the 2022 joint governance sessions, developing and finalizing process documents, and Forum renewal
4	FSC Access & Allocation	Support discussions of FSC sharing of Fraser salmon for First Nations as part of the long term work and on an annual basis.

