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Fraser Salmon Management Board

Fraser Summer 5₂ Chinook Management

Presentation to the Fraser Forum
April 10, 2024

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

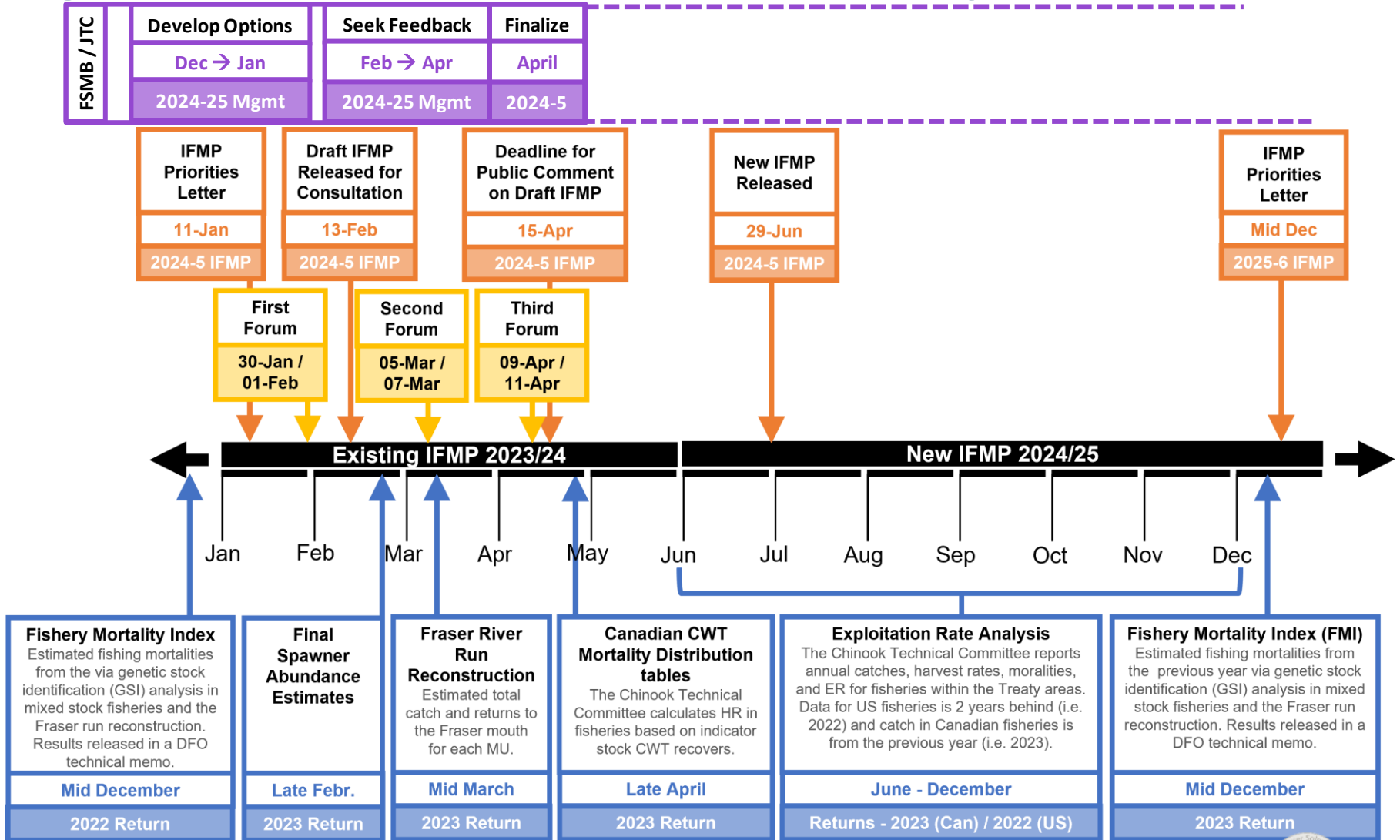
Mgmt Unit	2014-2018 Avg FMI	2019 FMI	2020 FMI	2021 FMI	2022 FMI	2019-2022 Avg. FMI
Su 52	25.0%	18.2%	13.0%	14.8%	10.2%	13.1%

- 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
<p>Maintain management objectives for early-run Chinook of rebuilding depressed stocks and meeting escapement objectives.</p>	<p>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.</p>
<p>Continue the support and representative operation of CWT indicator stock programs for all Fraser Chinook MUs</p>	<p>Ensure CWT indicator stock programs are directly representative of their MU. This will provide more information on understanding the impact on all Fraser CN.</p>
<p>Conduct an audit of the current Fraser River Chinook Run Reconstruction model.</p>	<p>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.</p>
<p>Develop plan for obtaining sufficient sample sizes of Chinook in GSI baselines to reduce uncertainty.</p>	
<p>Management planning targets must align with the assessment tools available to evaluate the results with statistical defensibility</p>	<p>(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</p>

Chinook Timelines – Data & IFMP



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 carried 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**

Questions for Input



1. The FSMB is looking for feedback on 2024 Su 5₂ 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	<u>Chinook Management Approach</u>	Develop Chinook fisheries management measures that achieve identified conservation objectives and provide for priority access for food, social and ceremonial fisheries.
2	<u>Sockeye Management Approach</u>	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	<u>Governance and Process Development</u>	Support implementation of recommendations arising from the 2022 joint governance sessions, developing and finalizing process documents, and Forum renewal
4	<u>FSC Access & Allocation</u>	Support discussions of FSC sharing of Fraser salmon for First Nations as part of the long term work and on an annual basis.