

FRASER RIVER COHO

Forum 3 – April 2023

**This is an
information
out
Presentation!**

Interior Fraser River Coho - Status

Status 2022/2023:

	Low	Moderate	Abundant
Survival (CWT Indicator Programs)	$S \leq 0.03$	Three consecutive years $0.03 < S \leq 0.06$	Three consecutive years $S > 0.06$
		and	and
Escapement	Monitored in CU's and subpops but no thresholds	Three consecutive years: · Half of subpops in each CU > 1000; or · Moderate Aggregate MU esc. objective	Three consecutive years: · All IFR subpops in each CU > 1000; or · Abundant Aggregate MU esc. objective
ER cap (US/Can)	0.20 (0.10/0.10)	0.30 (0.12/0.18)	0.45 (0.15/0.30)

Current IFC Escapement and PST Reference Points (Part 1)

Return Year	Natural-Origin (wild) Escapement	Moderate Aggregate MU Proxy Goal	Annual Moderate MU subpopulation target met	Moderate PST Escapement Goal Met in 3 Years?^
2015	11,817	26,224	No	No
2016	63,876	32,041	Yes	No
2017	23,837	36,977	No	No
2018	33,138	35,701	Yes	No
2019	41,255	34,625	Yes	No
2020	68,612	34,207	Yes	Yes
2021	78,920	34,127	Yes	Yes
2022	*68,200	TBD	Yes	Yes

Moderate Target: Three consecutive years of greater than 1000 natural-origin spawners in at least half of the sub populations within a CU in each of the 5 CUs

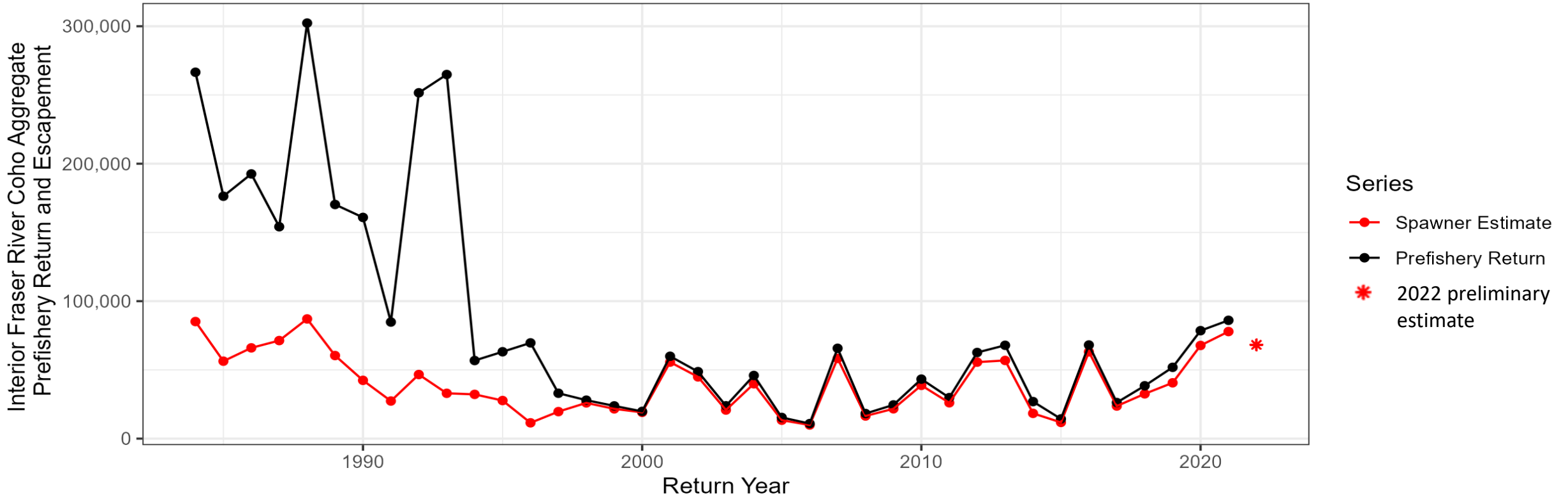
*2022 Natural-origin escapement still under review

Current IFC Survival and Status Reference Point (Part 2)

Return Year	CWT Survival	Moderate PST Survival Goal Met in 3 Years?	Status
2015	0.7%	No	Low
2016	1.3%	No	Low
2017	1.0%	No	Low
2018	1.4%	No	Low
2019	1.6%	No	Low
2020	1.8%	No	Low
2021	3.2%	No	Low
2022	1.9%	No	Low

Status *Low* in 2023 as the *preliminary survival in 2022 was below 3%

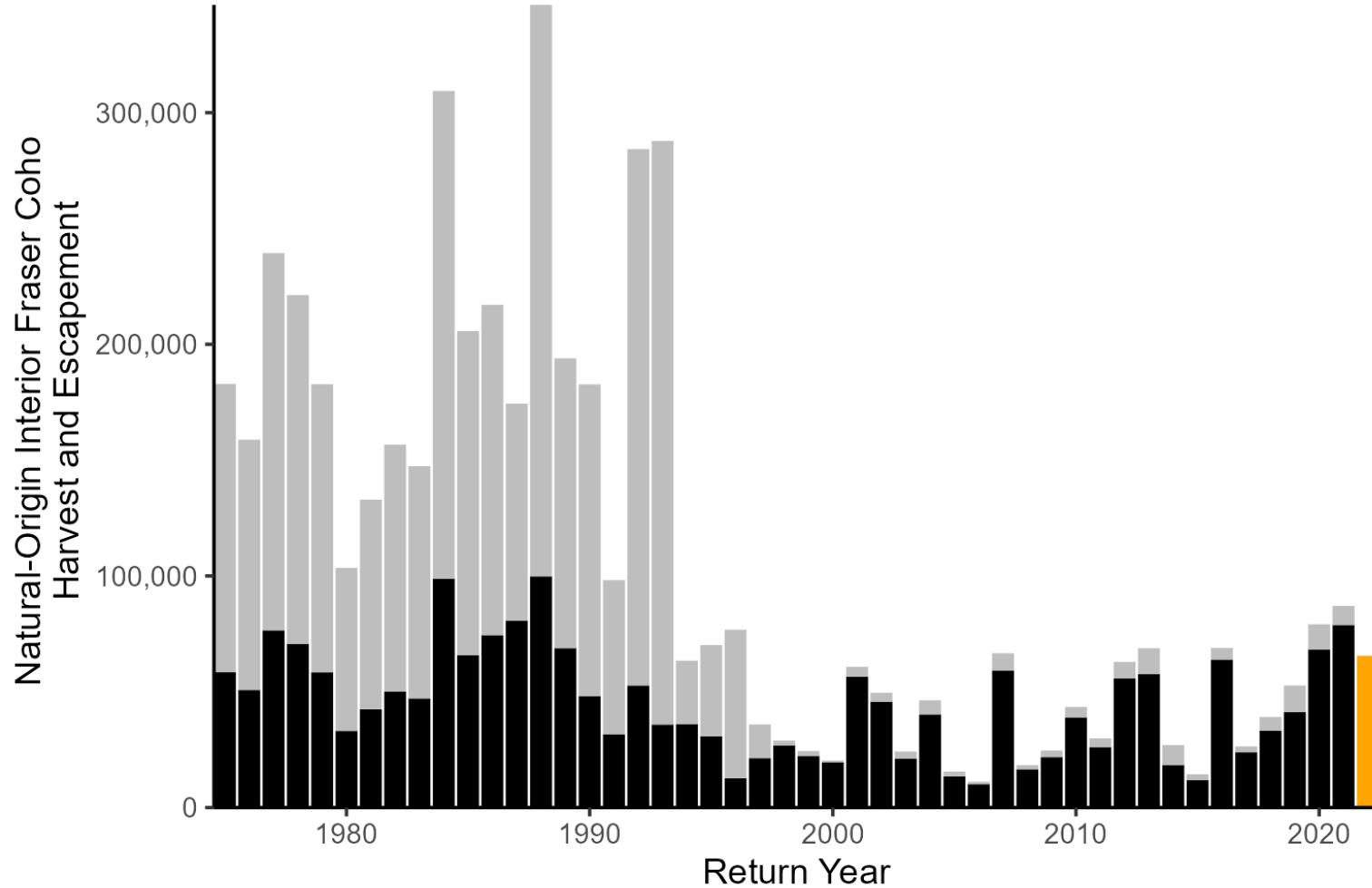
IFC Aggregate Pre-fishery Returns and Escapement



- *2022 Natural-origin escapement still under review
- 2023 Pre-fishery Abundance forecast: 87,000 (80% interval 74,538-130,525)

IFC Aggregate Pre-fishery Returns and Escapement

Series Harvest Escapement Preliminary Escapement



- *2022 Natural-origin escapement still under review
- 2023 Pre-fishery Abundance forecast: 87,000 (80% interval 74,538-130,525)

Review

- MU will remain in the *Low* status designation for 2023.
- The survival goal has yet to be met (i.e., three years of >3.0% smolt-to-adult survival).
 - One year of above 3.0% survival in 2021.
 - **The survival goal was not met in 2022.**
 - **Three additional years of above 3.0% survival is needed to move into a *Moderate* status.**
 - **i.e., 2023, 2024, 2025.**
- Canadian ER cap in a *Low* status is limited to 10% under the PST.
 - Domestically, DFO manages to between 3-5%.
- 2023 Pre-fishery Abundance forecast: 87,000 (80% interval 74,538-130,525)

