



TO: Pacific Salmon Commission
FROM: John Carlile, Antonio Velez-Espino, Jon Carey, and Laura Tessier
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SUBJECT: AABM Fisheries Preseason Abundance Indices for 2022 and Post-Season Abundance Indices for 2021

The Chinook Technical Committee (CTC) has completed and is providing to the Commission the results of calibration CLB 2203 of the PSC Chinook Model for 2022. The calibration provides the 2022 preseason Abundance Indices (AIs) for determining the allowable catches (ACs) for the Northern British Columbia troll and Haida Gwaii sport (NBC) and West Coast Vancouver Island troll and outside sport (WCVI) Aggregate Abundance Based Management (AABM) fisheries. The calibration also provides the AIs required for determining the 2021 post-season ACs for all three AABM fisheries: Southeast Alaska (SEAK), NBC, and WCVI.

Please note the following:

1. The preseason AC for the SEAK fishery was determined from Table 2 in Chapter 3 of the 2019 PST Agreement based on the SEAK Early Winter CPUE from the early winter power troll fishery in district 113.
2. The preseason ACs for the NBC and WCVI fisheries were determined from Table 1 in Chapter 3 of the 2019 PST Agreement based on the 2022 preseason AIs from CLB 2203.

The 2022 preseason SEAK CPUE, the AIs and the associated ACs for each of the AABM fisheries are shown in Table A. The 2021 post-season AIs and associated ACs along with observed catches, preseason AIs and associated preseason ACs for each of the AABM fisheries are shown in Table B.

Table A. Preseason CPUE and AIs and associated ACs for the 2022 AABM Fisheries.

	SEAK	NBC	WCVI
Abundance Index	7.02 (CPUE) ¹	1.17	0.88
Allowable Catch	266,585 (Tier 5)	142,800	100,700

¹ The CLB 2203 2022 preseason AI for SEAK is 1.16 which would yield a non-tiered AC of 146,400 if the PSC Chinook Model was being used.

Table B. 2021 preseason AIs, observed catches, post-season AIs, and associated ACs for the 2021 AABM fisheries.

Preseason			
	SEAK	NBC	WCVI
Abundance Index	3.85 (CPUE) ¹	1.27	0.76
Allowable Catch	205,165 (Tier 4)	153,800	88,000
Actual			
Observed Catch	202,082	90,987	75,776
Post-Season			
Abundance Index	1.23(AI)	1.21	0.73
Allowable Catch	140,323 (Tier 3)	147,200	84,800

¹ The CLB 2104 2021 preseason AI for SEAK was 1.28 which would yield a non-tiered AC of 190,000 if the PSC Chinook Model was being used.

cc John Field
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