



TO: Pacific Salmon Commission
FROM: Chinook Technical Committee
DATE: March 31, 2025
SUBJECT: AABM Fisheries Pre-season Abundance Indices for 2025 and Post-season Abundance Indices for 2024

The Chinook Technical Committee (CTC) estimates of Abundance Indices (AIs) from the completed calibration CLB2501 of the Pacific Salmon Commission (PSC) Chinook Model for 2025 are summarized in this memo. The calibration provides the 2025 pre-season Abundance Indices (AIs) for determining the annual catch limits (ACLs) for the Southeast Alaska Cape Suckling to Dixon Entrance sport, net and troll (SEAK), the Northern British Columbia troll and Haida Gwaii sport (NBC), and the West Coast Vancouver Island troll and outside sport (WCVI) Aggregate Abundance-Based Management (AABM) fisheries. The calibration also provides the AIs for the 2024 post-season ACLs for all three AABM fisheries.

The CTC notes that the post-season AIs for 2024 are substantially below the 2024 pre-season AIs for SEAK and NBC but closely align with the pre-season AI for WCVI. AIs estimated by the PSC Chinook Model are particularly sensitive to the abundance forecasts for driver stocks (stocks that are large contributors to one or more of the three AABM fisheries). The accuracy of AI values are affected by the availability and quality of post-season assessment information and abundance forecasts of these driver stocks.

The 2025 pre-season AIs and the associated ACLs for each of the AABM fisheries are shown in Table A. The 2024 post-season AIs along with observed catches, pre-season AIs and associated ACLs for each of the AABM fisheries are shown in Table B.

Table A. The 2025 SEAK, NBC and WCVI pre-season AIs calculated using the PSC Chinook Model, as well as associated ACLs for the 2025 AABM fisheries.

	SEAK	NBC	WCVI
Abundance Index	1.10	1.16	1.01
Annual Catch Limit	133,500	141,700	114,500

Table B. Pre-season AIs, observed catches, post-season AIs, and associated ACLs for the 2024 AABM fisheries.

Preseason			
	SEAK	NBC	WCVI
Abundance Index	1.44	1.48	0.92
Annual Catch Limit	211,400	179,400	105,000
Actual			
Observed Catch	207,811	106,823	97,583
Post-Season			
Abundance Index	1.28	1.19	0.89
Annual Catch Limit	190,000	145,000	101,800

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