



**TO:** Pacific Salmon Commission

**FROM:** John Carlile, Gayle Brown and Jon Carey

**DATE:** April 1, 2019

**SUBJECT:** AABM Fisheries Preseason Abundance Indices for 2019 and Post-Season Abundance Indices for 2018

The CTC has completed and is recommending to the Commission the results of calibration CLB1905 of the PSC Chinook Model for 2019. The calibration provides the Abundance Indices (AIs) required for determining the 2018 post-season allowable catches (ACs) for the three Aggregate Abundance Based Management (AABM) fisheries: Southeast Alaska all gear (SEAK), Northern British Columbia troll and Queen Charlotte Island sport (NBC), and West Coast Vancouver Island troll and outside sport (WCVI). The calibration also provides the 2019 preseason AIs for determining the ACs for the NBC and WCVI fisheries.

Please note the following:

1. The preseason AC for the SEAK fishery was determined from Table 2 in Chapter 3 of the 2019 Agreement based on the SEAK 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 Agreement.
3. The 2018 post-season ACs for all three fisheries were determined using Table 1 in Chapter 3 of the 2009 Agreement.

The 2019 preseason SEAK CPUE, the AIs and the associated ACs for each of the AABM fisheries are shown in Table 1. The 2018 post-season AIs and associated ACs along with observed catches, preseason AIs and associated ACs for each of the AABM fisheries are shown in Table 2.

Table 1. Preseason CPUE and AIs and associated ACs for the 2019 AABM Fisheries.

	SEAK	NBC	WCVI
CPUE/AI	CPUE <sup>1</sup>	AI	AI
Index	3.38	0.96	0.61
Allowable Catch	140,323	124,800	79,900

<sup>1</sup> The CLB1905 2019 preseason AI for SEAK is 1.07 which would yield a non-tiered AC of 133,600 if the PSC Chinook Model was being used.

Table 2. Post-season AIs, associated ACs and observed catches for the 2018 AABM fisheries.

Preseason			
	SEAK	NBC	WCVI
Abundance Index	1.07	1.01	0.59
Allowable Catch	144,500	131,300	88,300
Actual			
Observed Catch	127,776	106,976	85,330
Post-Season			
Abundance Index	0.92	0.89	0.59
Allowable Catch	118,700	115,700	88,300

cc John Field  
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