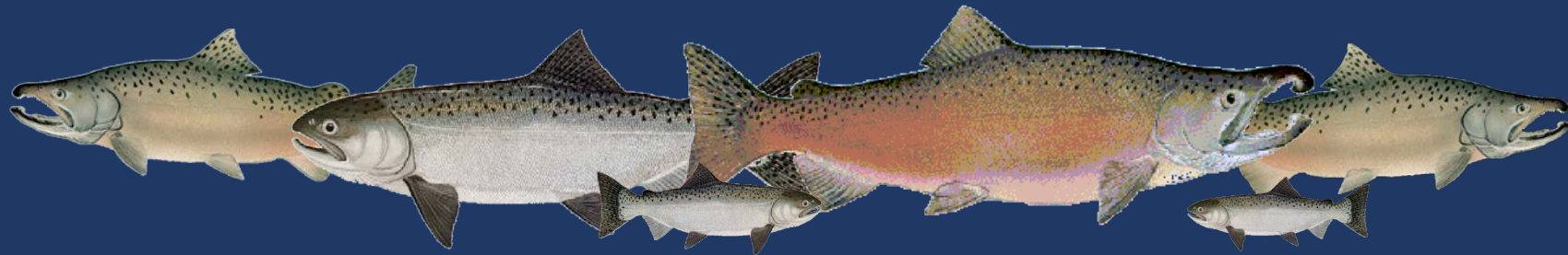


# Chapter 3: Chinook 2018 Season Summary and 2019 Pacific Salmon Treaty



Seine/Gillnet Task Force Meetings

November 27-28, 2018

John Carlile



# Outline

---

1. 2018 SEAK Treaty fisheries review
2. Revised Chapter 3
  - Alaska objectives
  - What occurred

# Chapter 3: SEAK Obligations

---

1. Manage to preseason AI
2. Not exceed the 1<sup>st</sup> postseason AI
3. Manage to achieve escapement goals for SEAK and TBR stocks

*Is Alaska meeting these obligations under the 2009 Treaty agreement?*

# 2018 SEAK FISHERY REVIEW

- Preseason Abundance Index (AI) of 1.07 → Allowable Catch (AC) of 144,500
- Due to conservation concerns for SEAK, TBR & NBC wild stocks the AC was lowered 10% → Modified AC of 130,000
- How did we do? → All-gear treaty catch of 128,623
- Total catch 165,050, Addon 36,427

# 2018 Treaty Catch by Gear

(Preliminary)

Fishery	Allocation	Actual
Set gillnet (1,000)	1,000	86
Purse seine (4.3% of all-gear)	5,600	1,458
Drift gillnet (2.9% of all-gear)	3,800	4,123
Sport (20% after net gear subtracted)	23,900	21,327
Troll (80% after net gear subtracted)	95,700	101,630
Total all-gear harvest limit	130,000	128,623

# SEAK Chinook Escapement, 2009-2018

Shaded cells reflect years when the goal was missed.

Stock	BEG <sup>a</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 <sup>b</sup>
Situk	500	902	166	240	322	912	475	174	329	1,187	375
Alsek	3,500	6,239	9,526	6,850	3,027	4,992	3,357	5,697	2,504	1,740	4,292
Chilkat	1,750	4,406	1,797	2,674	1,723	1,719	1,529	2,456	1,386	1,231	900
Taku	19,000	29,797	28,769	27,523	19,429	18,002	23,532	28,850	12,000	7,000	6,000
Stikine	14,000	12,803	15,116	14,480	22,327	16,735	24,360	21,343	12,000	10,000	7,000
Unuk	1,800	3,157	3,835	3,195	956	1,135	1,691	2,623	1,502	1,203	1,942
Chickamin	2,150	2,902	5,491	4,052	2,109	2,223	2,499	2,693	964	722	2,052

<sup>a</sup> Refers to the lower bound of the bilaterally agreed to biological escapement goal

<sup>b</sup> Preliminary values

# Performance of DRIVER Stocks?

---

- Oregon Coast
- Columbia River
- Washington Coast
- Fraser River
- WCVI
- Northern British Columbia
- SEAK

# Alaska Objectives in 2019 Treaty Negotiations

- Preserve as much of the SEAK all-gear allocation as possible
- Divorce the SEAK All-Gear harvest level from the Chinook Model
- Eliminate the Risk Adjustment factor from the hatchery addon  
(Addon = AK hatchery contribution – Risk Adjustment – Base)
- Create some real measurable obligations for the ISBM fisheries
- Obtain sufficient federal funding for base treaty implementation so that the State of Alaska is not subsidizing most of the cost.



# New Tier Based Allowable Catch

<b>CPUE-based Tier</b>	<b>AI-based Tier</b>	<b>Catch Limit</b>
Less than 2.0	Less than 0.875	Commission Determination
2.0 to less than 2.6	Between 0.875 and 1.0	111,833
2.6 to less than 3.8	Between 1.005 and 1.2	140,323
3.8 to less than 6.0	Between 1.205 and 1.5	205,165
6.0 to less than 8.7	Between 1.505 and 1.8	266,585
8.7 to less than 20.5	Between 1.805 and 2.2	334,465
20.5 and greater	Greater than 2.2	372,921

# Data Improvement Programs

- 2009 PST Agreement

- Sentinel Stock Program (SSP) – Improved escapement information for selected stocks in NBC, WCVI and the Washington Coast (\$10M).
- Coded-Wire Tag Improvement Program (CWTIT) – Improved coded wire tagging information (\$7.5M for increased tagging, sampling etc.)
- Both SSP and CWTIT were designed to last for five years

- 2019 PST Agreement

- Catch and Escapement Indicator Improvement (CEII) – Improved catch and escapement information (US-\$3.4M/yr, Can-\$?).
- Coded-Wire Tag and Recovery (CWT&R) – Improved coded wire tagging information (increased tagging, sampling, etc; US-\$2.5M/yr, Can-\$?)
- Both the CEII and CWT&R in place for the life of the agreement
- Accounting for Mark Selective Fishery (MSF) mortalities (\$3.5M capital account to address bilateral MSF funding support)

# Data Improvement Programs

- 2009 PST Agreement

- Sentinel Stock Program (SSP) – Improved escapement information for selected stocks in NBC, WCVI and the Washington Coast (\$10M).
- Coded-Wire Tag Improvement Program (CWTIT) – Improved coded wire tagging information (\$7.5M for increased tagging, sampling etc.)
- Both SSP and CWTIT were designed to last for five years

- 2019 PST Agreement

- Catch and Escapement Indicator Improvement (CEII) – Improved catch and escapement information (US-\$3.4M/yr, Can-\$?).
- Coded-Wire Tag and Recovery (CWT&R) – Improved coded wire tagging information (increased tagging, sampling, etc; US-\$2.5M/yr, Can-\$?)
- Both the CEII and CWT&R in place for the life of the agreement
- Accounting for Mark Selective Fishery (MSF) mortalities (\$3.5M capital account to address bilateral MSF funding support)

# Alaska Objectives in 2019 Treaty Negotiations

## (So How Did We Do?)

- Preserve as much of the SEAK all-gear allocation as possible (Reductions from 7.5% to 1.5% depending on post-season AI)
- Divorce the SEAK All-Gear harvest level from the Chinook Model (Preseason based on CPUE, still tied to the Model Post-season, CPUE method could go away after the 3 year or 6 year reviews)
- Eliminate the Risk Adjustment factor from the hatchery add-on (RA still in place but increased funding for CWTs to significantly lower RA)
- Create some real measurable obligations for the ISBM fisheries (Simpler CYER index, reductions tied to more recent 2009-2015 average)
- Obtain sufficient federal funding for base treaty implementation so that the State of Alaska is not subsidizing most of the cost. (Requesting federal funding for AK that would more than doubled from the current \$4M to over \$8M)