

2023 Ocean Salmon Fisheries Guidelines

February 27, 2023

Sacramento Fall Chinook

- 2022 Forecast = 396,500
- 2023 Forecast = 169,800
- In 2022, CA increased the target escapement goal to 180K, but this goal was not achieved.

Klamath Fall Chinook

- 2022 Forecast = 155k age 3; 43.2k age 4
- 2023 Forecast = 75.3k age 3; 27.2k age 4
- In 2022, NMFS required a more limiting Klamath age 4 ocean impact rate at 10% (N. Cal. Coastal Fall Chinook). Limitation for 2023 expected to be Klamath Control rule cap on ALL impacts at 10% (all ages and includes FW fisheries)

Columbia River Fall Chinook

- LCR tule forecast = 77,100 (38% ER)
- Total Columbia bright forecast = 332,200
- Total Columbia tule forecast = 213,200

Lower Columbia River Tule Chinook

LCR Abundance Forecast	Total Exploitation Rate Limit (all fisheries)
<30,000	0.30
30-40,000	0.35
<u>40-85,000</u>	<u>0.38</u>
>85,000	0.41

Lower Columbia River and Coastal Natural Coho

- $\leq 20\%$ for OCN
- $\leq 23\%$ for LCN ($\leq 15.3\%$ for ocean fisheries)
- Both will likely be constraints for Coho fisheries
- Other WA stocks - Queets coho (entered overfished status, but good forecast for 2023)

2023 Coastal In-River Fisheries

- Chinook and Coho fisheries TBD
- Possibly more streams being proposed for limited wild coho seasons than last year
- 30% maximum overall fishery impacts for North (Necanicum-Siletz) and South Central (Umpqua-Sixes) OCN sub-aggregates (same as '22)
- 20% maximum overall fishery impacts for North Central (Salmon-Siuslaw) OCN sub-aggregate (increase from 15% in '22)

OCN Work Group Matrix for Oregon coastal natural Coho Salmon showing maximum allowable fishery mortality rates.

Parental Escapement		Marine Survival Index			
		Extremely Low	Low	Medium	High
High	> 0.75 full seeding	≤ 8.0%	≤ 15.0%	≤ 30.0%	≤ 45.0%
Medium	0.75 to 0.50 full seeding	≤ 8.0%	≤ 15.0%	<u>≤ 20.0%</u>	≤ 38.0%
Low	0.50 to 0.20 full seeding	≤ 8.0%	≤ 15.0%	≤ 15.0%	≤ 25.0%
Very Low	0.20 to 0.10 of full seeding	≤ 8.0%	≤ 11.0%	≤ 11.0%	≤ 11.0%
Critical	< 0.10 of full seeding	0 – 8.0%	0 – 8.0%	0 – 8.0%	0 – 8.0%

Matrix for Lower Columbia natural Coho Salmon showing maximum allowable fishery mortality rates.

	Marine Survival Index				
Parental Escapement (percent of full seeding)	Very Low	Low	Medium	High	Very High
	≤0.06%	≤0.08%	≤0.17%	≤0.40%	>0.40%
Normal	≤10%	≤15%	≤18%	≤23%	≤30%