

Klamath Basin Run Projections & 2023 Fishing Season

Justin Alvarez, Hoopa Valley Tribe

2022 Run Size

<i>Sector</i>	<i>Preseason Forecast</i>	<i>Postseason Estimate</i>	<i>Pre / Post</i>
<i>Run Size</i>	66,800	46,700	1.43
<i>Fishery Mortality</i>			
Tribal Harvest	9,400	8,000	1.18
Recreational Harvest	2,100	2,500	0.84
Drop-off Mortality	900	700	1.29
	12,400	11,200	1.11
<i>Escapement</i>			
Hatchery Spawners	16,200	13,200	1.23
Natural Area Spawners	38,200	22,100	1.73
	54,400	35,300	1.54

2023 Fall Chinook Run Projection

- 26,133 adult Fall Run Chinook are predicted to spawn in the Klamath Basin absent any fishing.
- MSY target is 40,700 Adult Fall Run Chinook

	Alt 1	Alt 2	Alt 3	Criteria	Spawner Objective
Klamath River Fall	23.614	23.614	26.133	≥ 23.614	2023 minimum natural area adult escapement (FMP control rule).
Federally recognized tribal harvest	50.00%	50.00%	50.00%	50.0%	Equals 1.872 ,1.872, and 68 adult fish for Yurok and Hoopa Valley tribal fisheries
Exploitation (spawner reduction) rate	10.00%	10.00%	0.40%	$\leq 10.0\%$	FMP control rule
Adult river mouth return	39.9	39.9	39.9	NA	Total adults in thousands.
Age-4 ocean harvest rate	0.30%	0.30%	0.30%	$\leq 10.0\%$	NMFS guidance.
KMZ sport fishery share	3.80%	3.80%	3.80%		
River recreational fishery share	96.30%	96.30%	0.00%	NA	Equals 1.804, 1.804, and 0 adult fish for recreational in-river fisheries.

Ocean Fishing Season

- All three alternatives for 2023 are full closure for sport and commercial
- There was a Credit Card Fishery in the Ocean and so there were already 68 fish harvested against the 2023 season on the Non-Tribal sector

In-River Fishing Season

- Alternatives going to April meeting include an allocation of 1804 or zero.
- Ultimately the decision will be made by the CA Fish and Game Commission with a decision in May.

Future Seasons

