

CHUM, PINK, AND SOCKEYE SALMON CO-MANAGER RUNSIZE FORECASTS FOR THE 2023 RETURN YEAR

CHUM - SUMMER

	HATCHERY	WILD	TOTAL	FORECAST METHOD
Puget Sound				
Central Sound		563	563	Ocean indicator regression
South Sound		32,076	32,076	Ocean indicator regression
Hood Canal*		10,692	10,692	Ocean indicator regression
Strait of Juan de Fuca*		5,214	5,214	Ocean indicator regression
Puget Sound Total		48,545	48,545	

* Wild forecast includes supplementation returns.

CHUM - FALL

	HATCHERY	WILD	TOTAL	FORECAST METHOD
Puget Sound				
Nooksack/Samish	3,152	30,873	34,025	R/S Regression Adjusted
Skagit	474	5,349	5,823	Ocean indicator regression
Stillaguamish	101	15,348	15,449	Fry Based
Snohomish	1,673	10,141	11,814	Fry Based
Central Sound	56,585	62,496	119,081	Ocean indicator regression
South Sound	29,416	201,721	231,137	Ocean indicator regression
Hood Canal	180,297	50,856	231,153	Ocean indicator regression
Strait of Juan de Fuca	192	1,944	2,136	Ocean indicator regression
Puget Sound Total	271,890	378,728	650,618	

CHUM - WINTER

	HATCHERY	WILD	TOTAL	FORECAST METHOD
Puget Sound				
South Sound	11,571	5,710	17,281	Ocean indicator regression
Puget Sound Total	11,571	5,710	17,281	

CHUM - FALL

	HATCHERY	WILD	TOTAL	FORECAST METHOD
Coastal				
Grays Harbor	1,543	51,976	53,519	Ocean indicator regression
Willapa	1,119	44,575	45,694	Ocean indicator regression
Coastal Total	2,662	96,551	99,213	

PINK - Puget Sound

	HATCHERY	WILD	TOTAL	FORECAST METHOD
Puget Sound				
Nooksack		24,997	24,997	Fry Based
Skagit		552,193	552,193	Ocean indicator regression
Stillaguamish		199,564	199,564	Fry Based
Snohomish		642,279	642,279	Fry Based
Green		821,681	821,681	Fry Based
Puyallup		397,255	397,255	Fry Based
Nisqually		454,281	454,281	Fry Based
South Sound Misc.		382	382	R/S
Hood Canal	6,417	486,441	492,858	Fry and R/S Avg
Strait of Juan de Fuca		365,427	365,427	Ocean indicator regression
Puget Sound Total	6,417	3,944,500	3,950,917	

SOCKEYE - Puget Sound

	HATCHERY	WILD	TOTAL	FORECAST METHOD
Puget Sound				
Baker River		31,296	31,296	NPGO and sibling regression
Lake Washington		21,851	21,851	Sibling regression
Puget Sound Total			53,147	

SOCKEYE - Columbia River System

	HATCHERY	WILD	TOTAL	FORECAST METHOD
Columbia River				
Wenatchee River		44,300	44,300	Smolt Based
Okanogan River		187,400	187,400	Smolt Based and Sibling
Yakima		100	100	R/S regression
Deschutes		100	100	R/S regression
Snake		2,600	2,600	R/S regression
Columbia River Total		234,500	234,500	

Fraser River Forecasts (Department of Fisheries and Oceans Canada)

Sockeye Salmon	1.6M	Median Estimate
Pink Salmon	6.1M	Median Estimate