

ESTIMATED COHO SPAWNER ABUNDANCE

2015 SPAWNING SEASON

MONITORING AREA, Population Area	SURVEY EFFORT		ADULT COHO SPAWNER ABUNDANCE			
	NUMBER SURVEYS	MILES	TOTAL		WILD	
			ESTIMATE	95% CONFIDENCE INTERVAL	ESTIMATE	95% CONFIDENCE INTERVAL
ESU	288	214.0	49,884	7,000	48,355	6,765
NORTH COAST	73	52.0	6,756	1,714	6,740	1,710
Necanicum River	18	12.0	847	202	847	202
Nehalem River	15	11.0	3,079	1,378	3,079	1,378
Tillamook Bay ¹	22	17.0	1,361	768	1,345	759
Nestucca River	12	9.0	1,029	446	1,029	446
NCDependent	6	3.0	440	458	440	458
MID COAST	88	61.0	22,685	3,636	21,795	3,595
Salmon River	9	6.0	351	198	332	187
Siletz River	18	12.0	2,216	824	2,216	824
Yaquina River	19	10.0	2,400	1,099	2,400	1,099
Beaver Creek	3	2.0	332	79	332	79
Alsea River	18	14.0	6,162	1,632	6,162	1,632
Siuslaw River	14	10.0	10,352	2,887	10,352	2,887
MCDependent	7	7.0	870	538		
MID-SOUTH COAST	72	61.0	8,140	2,083	7,972	2,082
Coos Bay ¹	21	19.0	3,030	1,555	3,030	1,555
Coquille River ¹	24	18.0	3,357	1,097	3,357	1,097
Floras Creek ¹	22	21.0	1,585	842	1,585	842
Sixes River	3	2.0	168	67		
MSDependent	2	1.0	0	0		
UMPQUA	55	40.0	12,303	5,339	11,848	5,058
Lower Umpqua River	18	12.0	3,725	2,068	3,725	2,068
Middle Umpqua	15	12.0	2,245	1,773	2,245	1,773
North Umpqua	3	2.0	0	0		
South Umpqua	19	14.0	6,333	4,592	5,878	4,262

Estimates derived using EMAP protocol. Estimates are adjusted for visual observation bias. Estimates of wild spawners derived through application of carcass fin-mark observations. Missing values for populations indicate inadequate samples for determining total and/or wild abundance.

¹ Unusually low numbers of surveys meeting the standard inclusion criteria resulted in an inadequate sample for calculating abundance estimates. An alternative method was used including all surveys, comprising both peak counts and AUC calculations.