

Estimated Abundance of **Wild** Adult Coho Spawners in the Oregon Coast Coho ESU

04/30/25

Based on GRTS Random Sampling Sites for Rivers, Dam count for N. Umpqua, and Traditional Surveys for Lakes.

Data Source:	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.	GRTS Est.
Geographic Scale	Spawner Abundance by Return Year																			
ESU / Strata / Population	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
North Coast Strata:																				
Necanicum River	1,218	750	431	1,055	3,827	4,445	2,120	902	798	5,727	847	936	529	393	698	No Est.	No Est.	No Est.	1,637	1,859
Nehalem River	10,451	11,614	14,033	17,205	21,753	32,215	15,322	2,963	4,539	30,577	3,079	7,549	5,486	4,190	12,383	No Est.	No Est.	No Est.	14,388	19,228
Tillamook Bay	1,995	8,774	2,295	4,828	16,251	14,890	19,250	1,686	4,402	20,090	1,345	7,102	2,927	2,035	3,961	No Est.	No Est.	No Est.	13,325	11,756
Nestucca River	686	1,876	394	1,844	4,252	1,947	7,857	1,751	946	6,369	1,029	2,412	4,495	1,072	4,602	No Est.	No Est.	No Est.	3,894	4,850
NC Dependents	2,116	1,121	376	639	2,052	1,473	1,341	218	271	4,607	440	699	206	262	616	No Est.	No Est.	No Est.	1,893	841
Total	16,466	24,135	17,529	25,571	48,135	54,970	45,890	7,520	10,956	67,370	6,740	18,698	13,643	7,952	22,260	21,480	42,811	52,956	35,137	38,534
Mid Coast Stratum:																				
Salmon River	79	513	59	652	753	1,382	3,636	297	1,165	3,680	332	1,054	450	103	215	No Est.	571	1,324	1,249	701
Siletz River	14,567	5,205	2,197	20,634	24,070	6,283	33,094	4,495	7,660	19,496	2,216	3,015	5,202	4,064	4,509	No Est.	15,428	16,466	5,410	10,864
Yaquina River	3,441	4,247	3,158	10,913	11,182	8,589	19,074	6,268	3,553	25,582	2,400	3,730	2,491	4,672	3,452	No Est.	16,721	6,484	5,833	16,661
Beaver Cr	2,264	1,950	611	1,218	3,575	2,072	2,389	1,878	2,015	6,564	332	1,709	1,553	494	814	No Est.	2,483	2,058	943	2,032
Alsea River ^a	13,907	1,972	2,146	13,320	14,638	9,688	28,337	8,470	9,283	25,855	6,185	7,375	4,377	5,112	4,915	No Est.	13,633	19,141	7,653	12,421
Sluslaw River	16,907	5,869	3,552	17,491	30,607	25,983	28,082	11,946	14,118	38,896	10,352	9,141	7,129	6,635	5,881	No Est.	38,031	24,892	21,391	24,578
MC Dependents	246	1,468	546	3,910	1,610	2,548	4,487	492	1,929	1,890	856	464	1,646	958	289	No Est.	1,747	1,568	83	2,264
Total	51,411	21,224	12,269	68,138	86,435	56,545	119,099	33,846	39,723	121,963	22,673	26,488	22,848	22,038	20,075	30,825	88,614	71,933	42,562	69,521
Umpqua Stratum:																				
Lower Umpqua River	18,591	7,994	4,237	9,023	19,245	17,516	18,715	3,731	7,792	36,942	3,725	4,422	10,848	14,080	9,152	No Est.	23,714	6,448	5,263	6,438
Middle Umpqua River	7,608	4,852	1,587	4,472	15,075	18,123	19,962	2,447	4,272	13,939	2,245	1,159	1,788	3,888	3,104	No Est.	6,354	1,665	9,652	3,394
North Umpqua River ^b	1,969	3,000	1,410	3,438	7,720	9,397	6,020	3,134	2,774	3,979	3,012	1,148	1,772	2,942	3,299	3,003	4,795	1,519	7,071	2,925
South Umpqua River	14,364	2,246	4,549	20,935	15,944	24,983	49,958	11,636	12,178	11,412	5,878	765	1,084	3,125	3,600	No Est.	14,403	0	8,810	3,466
Total	42,532	18,092	11,783	37,868	57,984	70,019	94,655	20,948	27,016	66,272	14,860	7,494	15,492	24,035	19,155	33,644	49,266	9,632	30,796	16,223
Lakes Stratum: ^c																				
Siltcoos	4,364	5,452	1,447	3,873	5,197	7,678	6,354	3,945	3,797	7,178	1,558	2,421	715	2,256	1,065	2,832	3,885	3,056	2,006	2,065
Tahkenitch	1,897	3,611	3,551	2,604	2,977	10,681	6,644	5,675	3,413	3,691	1,085	1,249	269	1,678	1,405	1,526	2,398	1,586	1,357	1,590
Tennile	8,464	15,064	3,957	17,131	9,175	20,385	7,284	9,302	6,449	11,141	2,086	4,374	318	2,770	4,963	5,364	13,381	3,407	9,033	3,976
Total	14,725	24,127	8,955	23,608	17,349	38,744	20,282	18,922	13,659	22,010	4,729	8,044	1,302	6,704	7,433	9,722	19,664	8,049	12,396	7,631
Mid-South Coast Stratum:																				
Coos River	17,048	11,266	1,329	14,881	26,979	27,658	10,999	9,414	6,884	38,880	3,030	4,624	2,689	7,292	13,289	No Est.	No Est.	7,370	24,020	17,396
Coquille River	11,806	28,577	13,968	8,791	22,286	23,564	55,667	5,911	23,637	41,660	3,357	9,494	4,641	5,688	11,841	No Est.	No Est.	19,078	7,707	10,742
Floras Creek	506	1,104	340	786	3,203	11,329	9,217	2,502	1,936	1,022	1,585	942	693	628	904	No Est.	No Est.	871	369	1,139
Sixes River	105	294	97	43	176	92	334	34	567	410	168	120	69	174	155	No Est.	No Est.	113	19	105
MSDependent	n.a.	n.a.	n.a.	0	188	484	100	48	32	105	0	0	0	10	23	No Est.	No Est.	0	0	2
Total	29,465	41,241	15,734	24,501	52,832	63,127	76,317	17,909	33,056	82,077	8,140	15,180	8,092	13,792	26,212	14,261	41,830	27,432	32,115	29,384
Oregon Coast ESU	154,599	128,819	66,270	179,686	262,735	283,405	356,243	99,145	124,410	359,692	57,142	75,904	61,377	74,521	95,135	109,932	242,185	170,002	153,006	161,293

n.a. = Not available.

Data Sources:

NMFS&OCCCP = Data for run years through 2003 is as reported in NOAA Technical Memorandum NMFS-NWFSC-91, and in the Oregon Coast Coho Conservation Plan (Appendix 2).

GRTS Est. = Abundance and wild fraction are based on spawning ground survey results from the ODFW Oregon Adult Salmonid Inventory and Sampling (OASIS) Project. In a few cases there were inadequate carcass recoveries (<10) and/or inadequate surveys, to estimate abundance and/or wild fractions. In these cases we used the same methods to estimate the missing data as documented in the NMFS & OCCCP reports used for the pre- 2004 run years data.

a = Alsea River Population: Starting in 2014, the number of wild adult coho passed at the Alsea Hatchery weir was added to the yearly wild population survey total. In prior years, the area above the weir was sampled.

b = North Umpqua River Population: Abundance and wild fraction are based on counts at Winchester Dam, adjusted for fish removed by harvest and hatchery operations.

c = Coastal Lake Populations: Abundance is based on calibrated standard survey protocols developed in the 1950's & 1960's. Yearly, wild fraction is based on observations of marks on carcasses recovered on all spawning surveys.

Population scale GRTS estimates are not reported due to low sample sizes.

Estimated Abundance of Hatchery Adult Coho spawners in the Oregon Coast Coho ESU
Based on GRTS Random Sampling Sites for Rivers, Dam count for N. Umpqua, and Traditional Surveys for Lakes.

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Geographic Scale	Spawner Abundance by Return Year																			
ESU / Strata / Population	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
North Coast Strata:																				
Necanicum River	34	93	33	128	42	0	39	0	0	98	0	0	26	0	0	No Est.	No Est.	No Est.	149	11
Nehalem River	0	1,202	425	0	1,740	837	64	0	0	764	0	261	0	0	0	No Est.	No Est.	No Est.	0	0
Tillamook Bay	0	0	134	78	560	110	0	0	304	460	16	0	0	0	0	No Est.	No Est.	No Est.	180	0
Nestucca River	9	19	5	0	0	93	0	0	37	0	0	0	0	0	0	No Est.	No Est.	No Est.	0	0
NC Dependents	0	75	0	0	28	20	0	0	0	111	0	0	2	2	0	No Est.	No Est.	No Est.	0	0
Total	43	1,389	597	206	2,370	1,060	103	0	341	1,433	16	261	28	2	0	26	262	225	329	11
Mid Coast Strata:																				
Salmon River	738	647	934	2,012	0	56	0	0	0	27	19	127	0	0	0	No Est.	0	0	0	0
Siletz River	667	118	219	0	962	0	0	0	0	71	0	0	0	0	0	No Est.	0	222	0	395
Yaquina River	172	59	197	0	508	0	0	0	0	0	0	0	89	0	0	No Est.	0	98	0	0
Beaver Cr	0	172	0	0	0	0	0	0	0	0	0	0	6	0	0	No Est.	0	86	0	65
Alsea River	0	0	0	122	139	0	81	0	0	0	0	0	0	0	0	No Est.	85	0	349	0
Siuslaw River	414	391	29	373	0	0	803	314	0	0	0	0	0	0	0	No Est.	388	0	0	324
MC Dependents	0	84	15	97	0	55	0	0	0	118	14	8	0	14	4	No Est.	97	0	1	0
Total	1,991	1,471	1,394	2,604	1,609	111	884	314	0	216	33	135	95	14	4	12	570	406	350	784
Umpqua Strata:																				
Lower Umpqua River	423	1,484	424	309	781	82	0	0	0	0	0	34	0	0	0	No Est.	0	0	0	0
Middle Umpqua River	595	1,259	176	0	0	0	71	0	0	0	0	0	0	0	0	No Est.	0	0	0	0
North Umpqua River ^a	8,346	6,692	2,578	125	466	638	153	627	618	50	128	85	191	206	404	146	337	41	56	17
South Umpqua River	0	150	682	0	1,198	2,492	1,130	0	193	1,022	455	446	60	211	200	No Est.	0	0	0	0
Total	9,364	9,585	3,860	434	2,445	3,212	1,354	627	811	1,072	583	565	251	417	604	878	337	41	56	17
Lakes Strata: ^b																				
Siltcoos	0	21	0	0	0	0	24	0	0	0	0	0	0	0	44	0	0	34	0	0
Tahkenitch	0	107	0	0	0	0	21	0	3	0	0	0	6	0	0	0	0	9	7	0
Tenmile	0	123	0	0	0	0	84	0	0	0	0	0	0	0	0	0	0	0	0	15
Total	0	251	0	0	0	0	129	0	3	0	0	0	6	0	44	0	0	43	7	15
Mid-South Coast Strata:																				
Coos River	257	0	13	0	237	230	0	0	0	0	0	0	0	0	193	No Est.	No Est.	0	0	0
Coquille River	0	0	0	0	227	0	442	0	148	0	0	0	0	0	0	No Est.	No Est.	0	0	742
Floras Creek	0	110	0	17	0	0	0	0	0	0	0	0	0	0	0	No Est.	No Est.	0	0	0
Sixes River	8	8	0	10	14	8	0	0	0	0	0	0	0	0	0	No Est.	No Est.	0	0	0
MSDependent	n.a.	n.a.	n.a.	0	9	0	2	1	1	2	0	0	0	0	0	No Est.	No Est.	0	0	0
Total	265	118	13	27	487	238	444	1	149	2	0	0	0	0	193	0	0	0	0	742
Oregon Coast ESU	11,663	12,814	5,864	3,271	6,911	4,621	2,914	942	1,304	2,723	632	961	380	433	845	916	1,169	715	742	1,569

n.a. = Not available.

Data Sources:

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and/or inadequate surveys to estimate abundance and/or hatchery fractions. In these cases we used the same methods to estimate the missing data as documented in the NMFS & OCCCP reports used for the pre- 2004 run years data.

a = North Umpqua River Population: Abundance and hatchery fraction are based on counts at Winchester Dam, adjusted for fish removed by harvest and hatchery operations.

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