

Estimated Abundance of **Wild** Adult Coho spawners in the Oregon portion of the Lower Columbia Coho ESU
Based on GRTS Random Sampling Methods for Rivers, plus Dam and Hatchery counts for un-sampled areas above counting stations.

04/30/25

Geographic Scale ESU / Strata / Population		Spawner Abundance by Return Year																			
		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Coast Strata:																					
Youngs Bay	Klaskanine Hatchery ^a	2	11	23	19	28	20	16	9	10	57	7	16	29	9	17	4	36	25	24	23
	Spawning Ground Survey ^b	77	63	2	63	0	48	145	120	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
	Total	79	74	25	82	28	68	161	129	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Big Creek	Big Creek Hatchery ^a	180	225	212	229	487	269	145	188	223	606	88	198	263	49	441	425	460	509	498	439
	Spawning Ground Survey ^b	39	n.a.	0	131	305	10	15	221	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
	Total	219	225	212	360	792	279	160	409	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Clatskanie	Spawning Ground Survey ^b	494	421	927	995	1,195	1,686	1,546	619	611	3,246	240	464	566	25	146	1,233	476	1,139	890	1,150
Scappoose	Bonnie Falls Trap ^a	12	30	21	4	105	136	29	49	90	110	22	17	72	20	33	n.a.	n.a.	n.a.	n.a.	n.a.
	Spawning Ground Survey ^b	336	689	354	290	673	1,824	268	161	889	1,477	465	1,183	315	158	351	No Est	921	508	660	856
	Total	348	719	375	294	778	1,960	297	210	979	1,587	487	1,200	387	178	384	No Est	921	508	660	856
Strata Total:		1,140	1,439	1,539	1,731	2,793	3,993	2,164	1,367	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Strata Total (minus Youngs Bay & Big Creek):		842	1,140	1,302	1,289	1,973	3,646	1,843	829	1,590	4,833	727	1,664	953	203	530	2,269	1,397	1,647	1,550	2,006
Cascade Strata:																					
Clackamas	N Fk Clackamas Dam ^a	1,222	2,505	3,199	835	5,461	1,338	1,780	1,315	2,388	8,232	1,475	1,338	7,078	2,882	3,771	9,012	10,201	13,136	19,201	14,376
	Spawning Ground Survey ^b	79	959	239	965	3,181	2,671	473	348	1,624	2,440	309	290	520	277	273	No Est	371	855	715	1,433
	Total	1,301	3,464	3,438	1,800	8,642	4,009	2,253	1,663	4,012	10,672	1,784	1,628	7,598	3,159	4,044	No Est	10,572	13,991	19,916	15,809
Sandy	Sandy Hatchery ^a	139	101	(80)	(57)	(169)	234	194	36	160	539	63	227	359	81	362	601	601	832	475	974
	Marmot Dam ^a	717	822	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Spawning Ground Survey ^b	0	n.a.	687	1,277	1,493	667	3,300	1,129	507	5,403	380	712	2,025	456	690	No Est	3,218	6,320	3,953	2,526
	Total	856	923	687	1,277	1,493	901	3,494	1,165	667	5,942	443	939	2,384	537	1,052	No Est	3,819	7,152	4,428	3,500
Strata Total:		2,157	4,387	4,125	3,077	10,135	4,910	5,747	2,828	4,679	16,614	2,227	2,567	9,982	3,696	5,096	13,480	14,391	21,143	24,344	19,309
Gorge Strata:																					
Lower Gorge	Spawning Ground Survey ^{b,c}	263	226	126	223	468	920	216	96	151	362	30	395	0	16	184	n.s.	n.s.	523	748	1,086
	Powerdale Dam ^a	27	32	50	50	65	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Spawning Ground Survey ^{b,c}	1,235	341	120	19	0	223	232	169	561	42	4	57	0	107	193	n.s.	510	60	0	30
	Total	1,262	373	170	69	65	223	232	169	561	42	4	57	n.s.	107	193	n.s.	510	60	0	30
Strata Total:		1,525	599	296	292	533	1,143	448	265	712	404	34	452	N.S.	123	377	N.S.	510	583	748	1,116
Lower Columbia ESU																					
(Oregon Only)																					
ESU Total		4,822	6,425	5,960	5,100	13,461	10,046	8,359	4,460	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
ESU Total (minus Youngs Bay & Big Creek totals)		4,524	6,126	5,723	4,658	12,641	9,699	8,038	3,922	6,981	21,851	2,988	4,683	10,935	4,022	6,003	15,749	16,298	23,373	26,642	22,431

n.s. = Not sampled. n.a. = Not applicable.

a = Number of unmarked adult coho passed above otherwise impassable, listed counting station. *Note*: The 2007-2009 Sandy Hatchery count is the number released above the old Marmot Dam site. The dam was removed in Oct 2007, thus the count is included in the spawning ground survey estimate area and not added in. Starting in 2010 unmarked fish were released above the Sandy Hatchery weir. This areas is not sampled, so these fish are added into the total abundance.

b = Spawning ground estimate does not include area above listed counting stations. *Note*: Sandy estimate is below Marmot Dam only from 2002-2006, and whole basin from 2007 on.

c = Hatchery:Wild ratios based on scale data not carcass fin marks for this population.

Estimated Abundance of **Hatchery** Adult Coho spawners in the Oregon portion of the Lower Columbia Coho ESU
Based on GRTS Random Sampling Methods for Rivers. Counts include fish spawning naturally; no Hatchery returns.

04/30/25

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
Coast Strata:																				
Youngs Bay	242	394	14	23	302	106	315	112	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
Big Creek	124	n.a.	216	66	936	122	173	112	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
Clatskanie	7	46	41	0	11	48	7	77	74	151	9	27	135	53	98	134	413	189	66	168
Scappoose	0	39	0	0	0	0	0	0	0	0	0	42	8	0	0	No Est	0	26	0	0
Total	373	479	271	89	1,249	276	495	301	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total (minus YB & BC)	7	85	41	0	11	48	7	77	74	151	9	69	143	53	98	134	413	215	66	168
Cascade Strata:																				
Clackamas River	504	10,871	582	1,259	2,390	1,447	239	151	117	1,774	230	159	1,023	330	196	No Est	180	636	540	373
Sandy River	0	n.a.	66	0	174	128	319	33	89	169	21	31	0	46	0	No Est	0	323	0	0
Total	504	10,871	648	1,259	2,564	1,575	558	184	206	1,943	251	190	1,023	376	196	255	180	959	540	373
Gorge Strata: ^a																				
Lower Gorge Tribs.	1,512	538	261	191	192	65	255	124	10	377	18	30	n.s.	9	8	n.s.	n.s.	5	63	167
Hood River	1,043	342	138	28	0	1,298	511	590	1,038	132	7	106	n.s.	42	43	n.s.	1,434	1,717	1,265	206
Total	2,555	880	399	219	192	1,363	766	714	1,048	509	25	136	n.s.	51	51	n.s.	1,434	1,722	1,328	373
Lower Columbia ESU																				
(Oregon Only)	3,432	12,230	1,318	1,567	4,005	3,214	1,819	1,199	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total (minus YB & BC)	3,066	11,836	1,088	1,478	2,767	2,986	1,331	975	1,328	2,603	285	395	1,166	480	345	389	2,027	2,896	1,934	914

n.s. = Not sampled. n.a. = Not applicable.

a = Hatchery: Wild ratios based on scale data not carcass fin marks for this stratum.