

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.

06/11/26

Geographic Scale ESU / Strata / Population		Spawner Abundance by Return Year																			
		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<b>Coast Strata:</b>																					
Youngs Bay	Clackamas Hatchery <sup>a</sup>	11	23	19	28	20	16	9	10	57	7	16	29	9	17	4	36	25	24	23	41
	Spawning Ground Survey <sup>b</sup>	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.	n.s.
	<b>Total</b>	<b>74</b>	<b>25</b>	<b>82</b>	<b>28</b>	<b>68</b>	<b>161</b>	<b>129</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	
Big Creek	Big Creek Hatchery <sup>a</sup>	225	212	229	487	269	145	188	223	606	88	198	263	49	441	425	460	509	498	439	882
	Spawning Ground Survey <sup>b</sup>	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.	n.s.
	<b>Total</b>	<b>225</b>	<b>212</b>	<b>360</b>	<b>792</b>	<b>279</b>	<b>160</b>	<b>409</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	
Clatskanie	Spawning Ground Survey <sup>b</sup>	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	1,073
Scappoose	Bonnie Falls Trap <sup>a</sup>	30	21	4	105	136	29	49	90	110	22	17	72	20	33	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Spawning Ground Survey <sup>b</sup>	689	354	290	673	1,824	268	161	889	1,477	465	1,183	315	158	351	No Est	921	508	660	856	576
	<b>Total</b>	<b>719</b>	<b>375</b>	<b>294</b>	<b>778</b>	<b>1,960</b>	<b>297</b>	<b>210</b>	<b>979</b>	<b>1,587</b>	<b>487</b>	<b>1,200</b>	<b>387</b>	<b>178</b>	<b>384</b>	<b>No Est</b>	<b>921</b>	<b>508</b>	<b>660</b>	<b>856</b>	<b>576</b>
	<b>Strata Total:</b>	<b>1,439</b>	<b>1,539</b>	<b>1,731</b>	<b>2,793</b>	<b>3,993</b>	<b>2,164</b>	<b>1,367</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
	<b>Strata Total (minus Youngs Bay &amp; Big Creek):</b>	<b>1,140</b>	<b>1,302</b>	<b>1,289</b>	<b>1,973</b>	<b>3,646</b>	<b>1,843</b>	<b>829</b>	<b>1,590</b>	<b>4,833</b>	<b>727</b>	<b>1,664</b>	<b>953</b>	<b>203</b>	<b>530</b>	<b>2,269</b>	<b>1,397</b>	<b>1,647</b>	<b>1,550</b>	<b>2,006</b>	<b>1,649</b>
<b>Cascade Strata:</b>																					
Clackamas	N Fk Clackamas Dam <sup>a</sup>	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	12,259
	Spawning Ground Survey <sup>b</sup>	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	656
	<b>Total</b>	<b>3,464</b>	<b>3,438</b>	<b>1,800</b>	<b>8,642</b>	<b>4,009</b>	<b>2,253</b>	<b>1,663</b>	<b>4,012</b>	<b>10,672</b>	<b>1,784</b>	<b>1,628</b>	<b>7,598</b>	<b>3,159</b>	<b>4,044</b>	<b>No Est</b>	<b>10,572</b>	<b>13,991</b>	<b>19,916</b>	<b>15,809</b>	<b>12,915</b>
Sandy	Sandy Hatchery <sup>a</sup>	101	(80)	(57)	(169)	234	194	36	160	539	63	227	359	81	362	601	601	832	475	974	572
	Marmot Dam <sup>a</sup>	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.	n.a.
	Spawning Ground Survey <sup>b</sup>	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	3,595
	<b>Total</b>	<b>923</b>	<b>687</b>	<b>1,277</b>	<b>1,493</b>	<b>901</b>	<b>3,494</b>	<b>1,165</b>	<b>667</b>	<b>5,942</b>	<b>443</b>	<b>939</b>	<b>2,384</b>	<b>537</b>	<b>1,052</b>	<b>No Est</b>	<b>3,819</b>	<b>7,152</b>	<b>4,428</b>	<b>3,500</b>	<b>4,167</b>
	<b>Strata Total:</b>	<b>4,387</b>	<b>4,125</b>	<b>3,077</b>	<b>10,135</b>	<b>4,910</b>	<b>5,747</b>	<b>2,828</b>	<b>4,679</b>	<b>16,614</b>	<b>2,227</b>	<b>2,567</b>	<b>9,982</b>	<b>3,696</b>	<b>5,096</b>	<b>13,480</b>	<b>14,391</b>	<b>21,143</b>	<b>24,344</b>	<b>19,309</b>	<b>17,081</b>
<b>Gorge Strata:</b>																					
Lower Gorge	Spawning Ground Survey <sup>b,c</sup>	226	126	223	468	920	216	96	151	362	30	395	0	16	184	n.s.	n.s.	523	748	1,086	n.s.
	Powerdale Dam <sup>a</sup>	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.	n.a.
Hood River	Spawning Ground Survey <sup>b,c</sup>	341	120	19	0	223	232	169	561	42	4	57	0	107	193	n.s.	510	60	0	30	n.s.
	<b>Total</b>	<b>373</b>	<b>170</b>	<b>69</b>	<b>65</b>	<b>223</b>	<b>232</b>	<b>169</b>	<b>561</b>	<b>42</b>	<b>4</b>	<b>57</b>	<b>n.s.</b>	<b>107</b>	<b>193</b>	<b>n.s.</b>	<b>510</b>	<b>60</b>	<b>0</b>	<b>30</b>	<b>0</b>
	<b>Strata Total:</b>	<b>599</b>	<b>296</b>	<b>292</b>	<b>533</b>	<b>1,143</b>	<b>448</b>	<b>265</b>	<b>712</b>	<b>404</b>	<b>34</b>	<b>452</b>	<b>N.S.</b>	<b>123</b>	<b>377</b>	<b>N.S.</b>	<b>510</b>	<b>583</b>	<b>748</b>	<b>1,116</b>	<b>N.S.</b>
<b>Lower Columbia ESU (Oregon Only)</b>																					
	<b>ESU Total</b>	<b>6,425</b>	<b>5,960</b>	<b>5,100</b>	<b>13,461</b>	<b>10,046</b>	<b>8,359</b>	<b>4,460</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
	<b>ESU Total (minus Youngs Bay &amp; Big Creek totals)</b>	<b>6,126</b>	<b>5,723</b>	<b>4,658</b>	<b>12,641</b>	<b>9,699</b>	<b>8,038</b>	<b>3,922</b>	<b>6,981</b>	<b>21,851</b>	<b>2,988</b>	<b>4,683</b>	<b>10,935</b>	<b>4,022</b>	<b>6,003</b>	<b>15,749</b>	<b>16,298</b>	<b>23,373</b>	<b>26,642</b>	<b>22,431</b>	<b>18,730</b>

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 area 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.

06/11/26

Geographic Scale ESU / Strata / Population	Spawner Abundance by Return Year																			
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<b>Coast Strata:</b>																				
Youngs Bay	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.	n.s.
Big Creek	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.	n.s.
Clatskanie	46	41	0	11	48	7	77	74	151	9	27	135	53	98	134	413	189	66	168	206
Scappoose	39	0	0	0	0	0	0	0	0	0	42	8	0	0	No Est	0	26	0	0	0
<b>Total</b>	<b>479</b>	<b>271</b>	<b>89</b>	<b>1,249</b>	<b>276</b>	<b>495</b>	<b>301</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Total (minus YB &amp; BC)</b>	<b>85</b>	<b>41</b>	<b>0</b>	<b>11</b>	<b>48</b>	<b>7</b>	<b>77</b>	<b>74</b>	<b>151</b>	<b>9</b>	<b>69</b>	<b>143</b>	<b>53</b>	<b>98</b>	<b>134</b>	<b>413</b>	<b>215</b>	<b>66</b>	<b>168</b>	<b>206</b>
<b>Cascade Strata:</b>																				
Clackamas River	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	148
Sandy River	n.a.	66	0	174	128	319	33	89	169	21	31	0	46	0	No Est	0	323	0	0	0
<b>Total</b>	<b>10,871</b>	<b>648</b>	<b>1,259</b>	<b>2,564</b>	<b>1,575</b>	<b>558</b>	<b>184</b>	<b>206</b>	<b>1,943</b>	<b>251</b>	<b>190</b>	<b>1,023</b>	<b>376</b>	<b>196</b>	<b>255</b>	<b>180</b>	<b>959</b>	<b>540</b>	<b>373</b>	<b>148</b>
<b>Gorge Strata:</b> <sup>a</sup>																				
Lower Gorge Tribs.	538	261	191	192	65	255	124	10	377	18	30	n.s.	9	8	n.s.	n.s.	5	63	167	n.s.
Hood River	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	n.s.
<b>Total</b>	<b>880</b>	<b>399</b>	<b>219</b>	<b>192</b>	<b>1,363</b>	<b>766</b>	<b>714</b>	<b>1,048</b>	<b>509</b>	<b>25</b>	<b>136</b>	<b>n.s.</b>	<b>51</b>	<b>51</b>	<b>n.s.</b>	<b>1,434</b>	<b>1,722</b>	<b>1,328</b>	<b>373</b>	<b>0</b>
<b>Lower Columbia ESU</b> (Oregon Only)	<b>12,230</b>	<b>1,318</b>	<b>1,567</b>	<b>4,005</b>	<b>3,214</b>	<b>1,819</b>	<b>1,199</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Total (minus YB &amp; BC)</b>	<b>11,836</b>	<b>1,088</b>	<b>1,478</b>	<b>2,767</b>	<b>2,986</b>	<b>1,331</b>	<b>975</b>	<b>1,328</b>	<b>2,603</b>	<b>285</b>	<b>395</b>	<b>1,166</b>	<b>480</b>	<b>345</b>	<b>389</b>	<b>2,027</b>	<b>2,896</b>	<b>1,934</b>	<b>914</b>	<b>353</b>

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

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