

**2019 Final**  
**Lower Columbia ESU, Oregon Portion**  
**ESTIMATED COHO SPAWNER ABUNDANCE**

MONITORING STRATA Population Area	SURVEY EFFORT		ADULT COHO SPAWNER ABUNDANCE			
			TOTAL		WILD	
	NUMBER SURVEYS	MILES	ESTIMATE	95% CONFIDENCE INTERVAL	ESTIMATE	95% CONFIDENCE INTERVAL
<b>ESU</b>	<b>100</b>	<b>88.3</b>	<b>2,182</b>	<b>507</b>	<b>1,837</b>	<b>448</b>
<b>COAST</b>	<b>36</b>	<b>31.5</b>	<b>595</b>	<b>188</b>	<b>497</b>	<b>187</b>
Clatskanie	21	20.5	145	65	134	60
Plympton Cr	1	1.0	99	0	12	0
Scappoose	14	9.9	351	177	351	177
<b>CASCADE</b>	<b>57</b>	<b>51.5</b>	<b>1,159</b>	<b>362</b>	<b>963</b>	<b>303</b>
Clackamas	15	13.0	363	238	252	164
Eagle Cr (Clack.) subbasin	8	9.7	106	101	21	20
Sandy River	34	28.9	690	253	690	253
<b>GORGE</b>	<b>7</b>	<b>5.3</b>	<b>428</b>	<b>301</b>	<b>377</b>	<b>272</b>
Lower Gorge	2	0.9	192	229	184	220
Hood River	5	4.4	236	195	193	160

*Estimates are derived using EMAP protocol and are adjusted for visual observation bias. Wild spawner estimates are derived through application of carcass fin-mark observations for seven of the eight populations. The wild spawner estimate for the Hood population is based on scale data. Missing values for populations indicate inadequate samples for determining total and/or wild abundance.*