

**2009**  
**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>101</b>	<b>93.0</b>	<b>11,299</b>	<b>2,155</b>	<b>6,530</b>	<b>1,187</b>
<b>COAST</b>	<b>52</b>	<b>49.0</b>	<b>3,473</b>	<b>1,070</b>	<b>2,048</b>	<b>611</b>
Youngs Bay	13	12.8	302	377	0	0
Big Creek	5	4.4	1,241	767	305	188
<del>Clatskanie</del>	<del>17</del>	<del>16.2</del>	<del>1,256</del>	<del>525</del>	<del>1,070</del>	<del>448</del>
Scappoose	17	15.6	673	371	673	371
<b>CASCADE</b>	<b>45</b>	<b>41.6</b>	<b>7,166</b>	<b>1,871</b>	<b>4,014</b>	<b>1,018</b>
Clackamas	17	17.3	5,499	1,730	2,521	793
Sandy River	28	24.4	1,667	712	1,493	637
<b>GORGE</b>	<b>4</b>	<b>2.3</b>	<b>660</b>	<b>0</b>	<b>468</b>	<b>0</b>
Lower Gorge	2	0.9	660	0	468	0
Hood River	2	1.4	0	0		

*Note: The original Clatskanie population estimate is no longer valid and has been amended using a stratified approach; for further explanation see the note on the coho abundance page. The revised Clatskanie estimate for the current year can be found in the "Lower Columbia Coho ESU Adult Spawning Abundance by Strata and Population" document on the coho abundance page.*

**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.**