

# ESTIMATED COHO SPAWNER ABUNDANCE

## 2013 SPAWNING SEASON

MONITORING AREA, 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>478</b>	<b>388.1</b>	<b>108,661</b>	<b>16,073</b>	<b>107,947</b>	<b>15,908</b>
<b>NORTH COAST</b>	<b>127</b>	<b>101.7</b>	<b>11,297</b>	<b>4,448</b>	<b>10,957</b>	<b>4,251</b>
Necanicum River	21	16.0	798	755	798	755
Nehalem River	27	21.1	4,539	2,303	4,539	2,303
Tillamook Bay	27	23.1	4,706	3,682	4,402	3,445
Nestucca River	31	26.7	983	560	946	539
NCDependent	21	14.7	271	193	271	193
<b>MID COAST</b>	<b>158</b>	<b>120.5</b>	<b>39,724</b>	<b>6,263</b>	<b>39,724</b>	<b>6,263</b>
Salmon River	12	7.3	1,165	498	1,165	498
Siletz River	29	23.1	7,660	2,789	7,660	2,789
Yaquina River	27	18.4	3,553	1,846	3,553	1,846
Beaver Creek	8	5.7	2,015	963	2,015	963
Alsea River	32	25.0	9,283	2,140	9,283	2,140
Siuslaw River	32	25.0	14,118	4,596	14,118	4,596
MCDependent	18	15.9	1,929	1,077	1,929	1,077
<b>MID-SOUTH COAST</b>	<b>109</b>	<b>99.4</b>	<b>33,205</b>	<b>10,803</b>	<b>33,025</b>	<b>10,743</b>
Coos Bay	35	32.3	6,884	3,450	6,884	3,450
Coquille River	34	28.4	23,785	10,210	23,637	10,147
Floras Creek	18	16.2	1,936	728	1,936	728
Sixes River	19	19.4	567	140	567	140
MSDependent	3	3.1	33	41		
<b>UMPQUA</b>	<b>84</b>	<b>66.5</b>	<b>24,435</b>	<b>9,090</b>	<b>24,242</b>	<b>8,964</b>
Lower Umpqua River	30	23.6	7,792	2,653	7,792	2,653
Middle Umpqua	22	17.5	4,272	1,494	4,272	1,494
North Umpqua	2	2.2	0	0		
South Umpqua	30	23.3	12,371	8,565	12,178	8,431

*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.*