

# ESTIMATED COHO SPAWNER ABUNDANCE

## 2004 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>417</b>	<b>387.6</b>	<b>153,994</b>	<b>17,864</b>	<b>150,176</b>	<b>17,664</b>
<b>NORTH COAST</b>	<b>112</b>	<b>107.8</b>	<b>29,954</b>	<b>5,115</b>	<b>28,823</b>	<b>4,929</b>
Necanicum River	7	6.5	2,339	954	2,198	896
Nehalem River	61	61.5	18,825	4,251	18,736	4,231
Tillamook Bay	23	20.9	3,360	1,884	2,532	1,420
Nestucca River	19	17.5	4,768	1,399	4,695	1,378
NCDependent	2	1.5	661	1,296	661	1,296
<b>MID COAST</b>	<b>107</b>	<b>101.4</b>	<b>44,067</b>	<b>12,543</b>	<b>42,071</b>	<b>12,425</b>
Salmon River	7	7.7	3,525	1,736	1,642	809
Siletz River	17	14.2	8,179	3,442	8,179	3,442
Yaquina River	10	9.3	5,652	3,830	5,539	3,753
Beaver Creek	4	4.6	4,569	1,970	4,569	1,970
Alsea River	24	22.3	5,233	1,541	5,233	1,541
Siuslaw River	37	35.8	8,729	2,222	8,729	2,222
MCDependent	8	7.7	8,179	10,798	8,179	10,798
<b>MID-SOUTH COAST</b>	<b>83</b>	<b>75.0</b>	<b>53,078</b>	<b>10,045</b>	<b>52,922</b>	<b>10,024</b>
Coos Bay	34	30.8	23,450	5,692	23,337	5,664
Coquille River	45	41.4	22,182	5,160	22,138	5,150
Floras Creek	4	2.8	7,446	6,471	7,446	6,471
<b>UMPQUA</b>	<b>115</b>	<b>103.3</b>	<b>26,895</b>	<b>5,894</b>	<b>26,360</b>	<b>5,732</b>
Lower Umpqua River	53	50.1	9,053	2,264	8,989	2,248
Middle Umpqua	22	19.8	6,433	2,330	6,375	2,309
South Umpqua	40	33.5	11,409	4,918	10,997	4,740

*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.*