

# ESTIMATED STEELHEAD REDD ABUNDANCE

## 2018 SPAWNING SEASON

MONITORING AREA, Population Area	SURVEY EFFORT		STEELHEAD REDD ABUNDANCE			
			TOTAL		WILD	
	NUMBER SURVEYS	MILES	ESTIMATE	95% CONFIDENCE INTERVAL	ESTIMATE	95% CONFIDENCE INTERVAL
<b>ESU</b>	<b>92</b>	<b>90.9</b>	<b>5,222</b>	<b>1,294</b>	<b>3,440</b>	<b>1,152</b>
<b>COAST</b>	<b>33</b>	<b>25.4</b>	<b>237</b>	<b>170</b>		
<b>Clatskanie</b>	<b>14</b>	<b>11.4</b>	<b>203</b>	<b>170</b>		
<i>Plympton Creek</i>	2	2.1	26	0		
<b>Scappoose</b>	17	11.9	8	11		
<b>CASCADE</b>	<b>59</b>	<b>65.5</b>	<b>4,985</b>	<b>1,282</b>	<b>3,440</b>	<b>1,152</b>
<b>Clackamas</b>	<b>30</b>	<b>30.6</b>	<b>1,142</b>	<b>385</b>		
<i>Eagle Creek Hatchery Area</i>	5	5.1	151	165		
<i>Clackamas</i> <i>(excluding sub-components above)</i>	18	14.5	964	347		
<i>Clackamas R Migration Corridor</i> <i>(Mouth to River Mill Dam)</i>	7	11.0	27	14		
<b>Sandy River</b>	<b>29</b>	<b>34.9</b>	<b>3,844</b>	<b>1,225</b>	<b>3,440</b>	<b>1,152</b>
<i>Sandy R Migration Corridor</i> <i>(Mouth to Revenue Bridge)</i>	8	11.6	98	55		
<i>Sandy(excluding sub-components above)</i>	19	22.1	3,599	1,222	3,393	1,152
<i>Cedar Creek Hatchery Corridor</i> <i>(Mouth to Hatchery)</i>	2	1.2	147	0	47	0

\*Wild estimates in red are incomplete totals. See annual report for a full wild estimate and an explanation of the procedures used to calculate them.

*Estimates derived using GRTS protocol. Estimates of wild spawners derived through application of live and carcass fin-mark observations.*