

# ESTIMATED STEELHEAD REDD ABUNDANCE

## 2019 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>99</b>	<b>97.6</b>	<b>1,908</b>	<b>715</b>	<b>7</b>	<b>0</b>
<b>COAST</b>	<b>40</b>	<b>34</b>	<b>260</b>	<b>87</b>		
<b>Clatskanie</b>	<b>24</b>	<b>21.6</b>	<b>238</b>	<b>87</b>		
<i>Plympton Creek</i>	3	3.1	22	0	7	0
<b>Scappoose</b>	13	9.8	0	0		
<b>CASCADE</b>	<b>59</b>	<b>64</b>	<b>1,648</b>	<b>866</b>		
<b>Clackamas</b>	<b>33</b>	<b>35</b>	<b>455</b>	<b>180</b>		
<i>Eagle Creek Hatchery Area</i>	6	5.9	121	92		
<i>Clackamas</i> <i>(excluding sub-components above)</i>	20	15.4	320	154		
<i>Clackamas R Migration Corridor</i> <i>(Mouth to River Mill Dam)</i>	7	13.3	14	12		
<b>Sandy River</b>	<b>26</b>	<b>29</b>	<b>1,193</b>	<b>686</b>		
<i>Sandy R Migration Corridor</i> <i>(Mouth to Revenue Bridge)</i>	9	13.9	188	156		
<i>Sandy(excluding sub-components above)</i>	17	14.7	1,005	668		
<i>Cedar Creek Hatchery Corridor</i> <i>(Mouth to Hatchery)</i>	ns	ns	ns	ns		

\*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.*