

Fish Production Associated with the Klickitat Hatchery Program Draft EIS Project Alternatives

	Alternative 1 No Action Alternative	Alternative 2 Full Master Plan Build Out	Alternative 3 Klickitat Hatchery Build Out
Description	Maintain US v OR production that currently exists with existing facilities at Klickitat Hatchery and out of basin releases.	Infrastructure improvements at Klickitat Hatchery, new hatchery construction at Wahkiacus for fall Chinook and coho, and, if needed, future acclimation site at McCreedy Creek for steelhead	Infrastructure improvements at Klickitat Hatchery and, if needed, future acclimation site at McCreedy Creek for steelhead
Species			
Spring Chinook	<p><u>Program Type:</u> Segregated 600,000 yearling smolts released from Klickitat Hatchery</p> <p><u>Broodstock collection location:</u> Lyle Falls trap and Klickitat Hatchery</p>	<p><u>Program Type:</u> Switch to Integrated 800,000 yearling smolts released from Klickitat Hatchery</p> <p>Switch to river water acclimation per HSRG recommendation</p> <p>Some natural-origin adults released above Castile Falls</p> <p><u>Broodstock collection location:</u> Lyle Falls and Castile traps; goal is for natural-origin broodstock although not more than 25% of natural-origin stock would be taken in any one year</p>	Same as Alternative 2
Summer Steelhead	<p><u>Program Type:</u> Segregated 120,000 out-of-basin (Skamania Hatchery) yearling smolt release would continue with direct plants into mid/lower river.</p> <p><u>Broodstock collection location:</u> Skamania Hatchery Trap</p>	<p><u>Program Type:</u> Maintain Segregated 200,000 locally derived yearly smolt release from KH</p> <p>Adult holding, incubation through release at KH</p> <p>KH facilities allow for switch from segregated to integrated program if needed in the future</p> <p><u>Broodstock Collection Location:</u> Lyle Falls trap and Klickitat Hatchery</p> <p>If returns above Castile do not meet goals by 2014, add up to 70,000 yearling smolt release from McCreedy Creek acclimation site derived from local wild broodstock</p> <p><u>Program Type:</u> Integrated (Conservation)</p> <p><u>Broodstock Collection Location:</u> Lyle Falls trap and Castile Falls trap</p>	<p>Same as Alternative 2, however actual production could be lower based on capacity at Klickitat Hatchery</p> <p>If returns above Castile do not meet goals by 2014, implement same integrated conservation program as Alternative 2</p>
Coho	<p><u>Program type:</u> Segregated Total 3.5 million released into Klickitat River: 1 million yearling smolts released from Klickitat Hatchery derived from eyed eggs from the Lewis River</p>	<p><u>Program type:</u> Maintain Segregated Up to 3.5 million total smolts released: 1 million smolts released from Wahkiacus Hatchery. Locally-derived eyed eggs transferred to Washougal Hatchery for rearing to</p>	<p>Program type: Maintain Segregated 1.0 million smolts released from Klickitat Hatchery. The smolts would be from local broodstock, spawned at released from the Klickitat Hatchery In addition, up to 2.5 million smolt release</p>

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	<p>Hatchery (out of basin) and 2.5 million smolt direct release to the Klickitat River between RM 10 and 17 from Washougal Hatchery (out of basin)</p> <p><u>Brood Collection Location:</u> Lewis River and Washougal Hatchery traps</p>	<p>pre-smolt stage and returned to Wahkiacus Hatchery for acclimation and release.</p> <p>In addition, up to 2.5 million smolt release would continue if harvest goal of 14,000 adult coho plus 750 broodstock return is not met with the above 1 million smolt release. The smolts would be from local broodstock, spawned at Wahkiacus Hatchery and moved to Washougal Hatchery for incubation and early rearing, then would be returned as pre-smolts for direct release into the lower Klickitat River. <u>Broodstock Collection Location:</u> Lyle Falls trap, Klickitat Hatchery, Wahkiacus Hatchery trap and possibly Washougal Hatchery traps.</p>	<p>would continue if harvest goal of 14,000 adult coho plus 750 broodstock return is not met with the above 1 million smolt release.</p> <p><u>Broodstock Collection Location:</u> Lyle Falls trap, Klickitat Hatchery and possibly Washougal Hatchery traps.</p>
Fall Chinook	<p><u>Program type:</u> Segregated 4 million URB subyearling smolts released from Klickitat Hatchery derived from eyed eggs delivered to Klickitat Hatchery from out of basin (Little White Salmon Hatchery)</p> <p><u>Broodstock Collection Location:</u> Little White Salmon NFH trap</p>	<p><u>Program Type:</u> Maintain Segregated Total 4 million smolts released, split between Klickitat Hatchery and Wahkiacus Hatchery: 2 million early fall subyearling smolts released from Klickitat Hatchery, derived from local broodstock (transitioned from URB to early fall); and 2 million URB subyearling smolts released from Wahkiacus Hatchery, derived from local broodstock with all culturing from adult holding through release at Wahkiacus Hatchery.</p> <p><u>Broodstock Collection Location:</u> Lyle Falls trap, Klickitat Hatchery, Wahkiacus Hatchery trap</p>	<p><u>Program Type:</u> Maintain Segregated 4 million smolts released from Klickitat Hatchery derived from local broodstock. Some production would occur at Klickitat Hatchery but some incubation and rearing may need to occur at out-of-basin hatcheries, and/or production may need to be lowered due to capacity limitations.</p> <p><u>Broodstock Collection Location:</u> Lyle Falls trap, Klickitat Hatchery</p>