

**Willapa Bay Policy Review: Summary Descriptions and Analysis of Alternatives**

	<b>Alternative 1</b>	<b>Alternative 2</b>	<b>Alternative 3</b>	<b>Replacement Alternative 3 Language</b>	<b>Comment</b>
	Pure Status Quo 2015 Willapa Bay Policy <sup>1</sup>	Fish Committee Draft Alternative <sup>2</sup>	October 27 Draft Staff Recommendation <sup>3</sup>	October 27 Draft Staff Recommendation <sup>3</sup>	
<b>Brief Description of Alternative</b>	Manage for wild fish with reduced fisheries; fall chinook sport fishery priority and commercial priority for coho	Manage for a mix of hatchery and wild fish and meaningful fisheries	<del>Wild/hatchery mgmt specifics deferred to 3624 process; near Alternative 1 specifics on fisheries mgmt.</del>	Operate hatcheries in a manner that optimally achieves conservation and recovery of wild fish while providing sustainable and stable fisheries	from C-3624
<b>Wild Fish Management Strategies</b>	HSRG protocols	ESU-based spawner objectives with enhanced wier operations	<del>Deferred to 3624 process</del>	Balance between minimizing genetic and ecological risks to wild populations and providing for the ecological and societal benefits of hatchery production	from C-3624
<b>Hatchery Program Size Goal</b>					
fall chinook	Forks Creek: 0.35 M Nemah: 3.3 M Naselle: 0.8 M TOTAL: 4.45 M	Forks Creek: 3.5+ M Nemah: TBD M Naselle: 5+ M TOTAL: Minimum 8.5 M	<del>Deferred to 3624 process</del>	Forks Creek: 0.4 M Nemah: 3.3 M Naselle: 5.0 M TOTAL: 8.7 M	keep current releases until HMP
coho	No size goal specified	Goals TBD, but at least at current levels	<del>Deferred to 3624 process</del>	1.7 M Willapa Bay wide	keep current releases until HMP
chum	None; experiments possible	Nemah Hatchery only: 2+ M	<del>Deferred to 3624 process</del>	Forks Creek: 0.5 M Nemah: 1.5 M Naselle: 0.5 M TOTAL: 2.5 M	keep current releases until HMP
<b>Fishery Management Controls</b>					
Rebuilding Program	16-21 year rebuilding program for fall chinook (2015 start)	No rebuilding program; manage to escapement goals	<del>Continue 2015 rebuilding pgm for fall chinook</del>	Continue 2015 rebuilding pgm for fall chinook AND manage to escapement goals, as highlighted below	from revised policy
Take Limits	Fall chinook in-Bay limit of 14%; escapement goal based for coho with <10% incidental limit; chum limit of 5% - 33%	Take limits based on pre-season forecasts and spawning escpement goals; incidental take rates TBD when < forecast	When < escapement goal: Fall chinook in-Bay limit of 20%, 10% for coho, 5-10% for chum; all subject to 3/5 previous yr feature	same	
Sport & Commercial fishery allocation	fall chinook: high sport priority coho and chum: commercial priority; area/date controls	"first and last crack" for rec; no specific alloc; relaxed time/area controls	The same general priorities but with relaxed area/date controls except north-bay areas (2T, 2U)	same	
<b>Miscellaneous</b>	natural spawner goal reviews	Experimental approach for wild hatchery fall chinook mgmt.; new Alt gear approach	Anything?	Natural spawner goals review completed for Chinook and chum. Work on review for coho. Adherence to C-3624, with hatchery management values explicitly expressed	

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**High Level Analysis of Alternatives**

hatchery programs in 2022 and beyond	Alternative 1			Alternative 2			Alternative 3			Replacement Alternative 3 Language		
	<u>Forks Ck</u>	<u>Nemah</u>	<u>Naselle</u>	<u>Forks Ck</u>	<u>Nemah</u>	<u>Naselle</u>	<u>Forks Ck</u>	<u>Nemah</u>	<u>Naselle</u>	<u>Forks Ck</u>	<u>Nemah</u>	<u>Naselle</u>
fall chinook	0.35 M	3.3 M	0.8 M	3.5+ M	3.3 M	5 M				0.4 M	3.3 M	5 M
coho	300 K	0	1.4 M	TBD	TBD	TBD				1.7 M Willapa Bay wide		
chum	experimental only			0	2 M	0				0.5M	1.5 M	0.5 M
Average take in fisheries after after implementation (year 5 and later)	show averages for each species			show averages for each species			show averages for each species			same		
sport commercial												
Status of wild fish populations at point of 2015 rebuilding plan target date (2033)	show Willapa Bay aggregates and river by river data			show Willapa Bay aggregates and river by river data			show Willapa Bay aggregates and river by river data			same		
fall chinook												
coho												
chum												

<sup>1</sup> <https://wdfw.wa.gov/about/commission/policies/willapa-bay-salmon-management>

<sup>2</sup> See December 2, 2021 Fish Committee draft for concepts and language drafting assignments to staff.

<sup>3</sup> See staff draft presented at the November 2, 2021 Fish Committee meeting