

## 2024 Willapa Bay Fishery Model Run Data Summary - North of Falcon

Preliminary Draft

Model	Management Objectives			Expected Natural Chinook Impact Rate		Expected Chum Impact Rate	Expected Escapement			Policy Priorities				Allocation % by Sector				Max. # Commercial Days Scheduled (in any area)
	Chinook	Coho	Chum	Willapa River < 20%	Naselle River < 20%		Natural Origin Chinook Goal=4,353	Natural Origin Coho Goal=13,600	Chum Total Goal= 35,400	Willapa Bay Total Expected Harvest				Chinook		Coho		
										Chinook - Hatchery Origin Retention		Coho Total *						
										Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm	
<b>A - NALF New abundances, last year's fisheries</b>	Actively manage not to exceed 20% natural origin CHK Harvest rate impacts on Willapa & Naselle rivers	Achieve natural origin spawner escapement goal	Achieve spawner escapement goal for naturally spawning chum	15.6%	15.8%	16.3%	2,968	14,512	67,268	3,687	3,808	6,147	41,091	49.2%	50.8%	13.0%	87.0%	34
<b>B</b>				15.9%	18.6%	39.4%	2,920	15,262	48,701	3,687	5,085	5,306	41,626	42.0%	58.0%	11.3%	88.7%	40
<b>G</b>				14.0%	10.7%	38.5%	3,078	16,739	49,439	4,449	2,355	6,392	36,461	65.4%	34.6%	14.9%	85.1%	32

Chinook MSF = Mark Selective Fishery      Green = Meets management objective      Red = Does not meet management objective

MSF-Wild fish release required

\*Recreational coho total include marine and freshwater hatchery coho expected harvest; Commercial coho total includes hatchery and natural coho expected harvest

Model A - 2024 preseason abundances with 2023 fisheries (NALF)

Model B - **Commercial proposal**, No change to Marine Rec fishery, **FW 2 fish adult daily limit, Willapa, Naselle, Palix, MF & SF Nemah rivers coho mark selective**

**North, Smith, Bear, and North Nemah: 2 adult limit with only 1 wild coho retention**

Model G - **No Commercial fishery thru Sept 10**, No change to Marine Rec fishery, **FW 3 fish adult daily limit, Willapa, Naselle, Palix, MF & SF Nemah rivers coho mark selective**

**North, Smith, Bear, and North Nemah: 2 adult limit with only 1 wild coho retention**

**2024 Willapa Bay Modeled Fishery Description**

Model Run	Fishery	Chinook Total Daily Limit	Chinook fishery - MSF UM Release Required for all fisheries	Natural Coho Daily Limit	Hatchery Coho Daily Limit	Chum	Commercial Ex-Vessel Value
<b>A-NALF</b>	Marine Rec	2	MSF starting August 1	2	2	Retention	
	FW Rec	2	MSF	1	2	Retention	
	Commercial	Tangle nets	Start week 34 in south bay through wk 38	-	-	Retention	\$813,936
		November	2T, 2U wks 44-48; 2N, 2R wks 44-47, 2M wks 45-48	-	-	Retention	
<b>B</b>	Marine Rec	2	MSF starting August 1	2	2	Retention	
	FW Rec	2	MSF	0 Willapa, Naselle, Palix, M & S Nemah; 1 wild coho North, Smith, Bear, N. Nemah	2	Retention	
	Commercial	Tangle nets	Start week 33 in south bay through wk 38, 2U through wk 40	-	-	Retention	\$965,293
		November	2T, N, R wks 44-48; 2U & M wks 45-48	-	-	Retention	
<b>G</b>	Marine Rec	2	MSF starting August 1	2	2	Retention	
	FW Rec	3	MSF	0 Willapa, Naselle, Palix, M & S Nemah; 1 wild coho North, Smith, Bear, N. Nemah	3	Retention	
	Commercial	Tangle nets	No fishery thru Sept 10, 2T, N, R, M wks 37-38, 2U through wk 40	-	-	Retention	\$800,447
		November	2T, N, R wks 44-48; 2U & M wks 45-48	-	-	Retention	

Model A - 2024 pre-season abundances with 2023 fisheries (NALF)

Model B - **Commercial proposal**, No change to Marine Rec fisheries, **FW 2 fish adult daily limit**, **Willapa, Naselle, Palix, MF & SF Nemah rivers coho mark selective**  
**North, Smith, Bear, and North Nemah: 2 adult limit with only 1 wild coho retention**

Model G - **No Commercial fishery thru Sept 10**, No change to Marine Rec fishery, **FW 3 fish adult daily limit**, **Willapa, Naselle, Palix, MF & SF Nemah rivers coho mark selective**  
**North, Smith, Bear, and North Nemah: 2 adult limit with only 1 wild coho retention**