

## 2022 Willapa Bay Fishery Model Run Data Summary

Preliminary Draft

Model	Management Objectives			Expected Natural Chinook Impact Rate		Expected Chum Impacts	Expected Escapement			Policy Priorities				Allocation % by Sector				# Commercial Days Scheduled
										Willapa Bay Total Expected Harvest								
	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	Chinook - Hatchery Origin Retention		Coho Total		Chinook		Coho		
										Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm	
<b>A - NALF</b> New abundances, last year's fishery				11.4%	13.2%	15.0%	2,695	25,376	40,613	4,359	3,650	3,983	17,856	54.4%	45.6%	18.2%	81.8%	24
<b>B</b>	Actively manage not to exceed 20% natural origin CHK Harvest rates impacts on Willapa & Naselle rivers	Achieve natural origin spawner escapement goal	Achieve spawner escapement goal for naturally spawning chum	18.1%	17.2%	21.6%	2,512	16,432	37,548	4,464	5,575	6,944	29,961	44.5%	55.5%	18.8%	81.2%	54
<b>C</b>				18.3%	19.1%	24.0%	2,490	16,912	36,326	4,464	5,772	5,539	35,040	43.6%	56.4%	13.6%	86.4%	54
<b>D</b>				6.3%	4.8%	19.6%	2,887	24,853	38,442	4,985	352	4,037	15,553	93.4%	6.6%	20.6%	79.4%	24

Model A & D- Recreational coho totals include marine hatchery and natural coho expected harvest and freshwater hatchery coho expected harvest

All Models require the release of unmarked Chinook for all fisheries.

Model A - 2022 pre-season abundances with 2021 fisheries (NALF)

Model B - Recreational Marine Area & Freshwater: 2 fish daily limit, Closed systems re-opened, wild coho retention allowed, Hwy 4 to hatchery in Naselle River closed through Oct 15

Model C - Recreational Marine Area: 2 fish daily limit. Recreational Freshwater: 2 fish daily limit, only 1 may be a wild coho. Closed systems re-opened, 1 wild coho retention allowed, Hwy 4 to hatchery in Naselle River closed through Oct 15

Model D - Recreational Marine Area: 2 daily limit, release unmarked Chinook and unmarked coho; Recreational Freshwater: 2 fish daily limit for all areas except 3 fish daily limit in North Nemah River, Release unmarked Chinook and unmarked coho, Hwy 4 to attraction channel in Naselle River opens August 1. Closed systems -re-opened.

## 2022 Modeled Fishery Descriptions

Preliminary Draft

Model Run	Fishery	Total Daily Limit	Chinook Fishery - UM Release Required Mark Selective Fisheries (MSF)	Natural Coho Daily Limit	Hatchery Coho Daily Limit	Chum	Commercial Ex-Vessel Value
<b>A</b> 2021 fisheries with 2022 preseason abundances	Marine Rec	2	MSF starting August 1	0	2	Retention	-
	Freshwater Rec	2	MSF	0	2	Retention	-
	Commercial	Tangle Nets	Start week 34 2N, 2M	-	-	Retention Sept & Oct	\$421,000
		November	Limited November 1 day/wk first three weeks	-	-	Retention	
<b>B</b>	Marine Rec	2	MSF starting August 1	2	2	Retention	-
	Freshwater Rec	2	MSF	2	2	Retention	-
	Commercial	Tangle Nets	S. Bay prior to Labor Day, Wk 38 2N, 2M, 2R;	-	-	Retention	\$686,705
		November	2T, U, N, M, R Wk 45; 2T, U Wks 46-48; 2U Wk 49	-	-	Retention	
<b>C</b>	Marine Rec	2	MSF starting August 1	2	2	Retention	-
	Freshwater Rec	2	MSF	1	2	Retention	-
	Commercial	Tangle Nets	S. Bay prior to Labor Day, Wk 38 2N, 2M, 2R;	-	-	Retention	\$777,906
		November	2T, U, N, M, R Wk 45; 2T, U Wks 46-48; 2U Wk 49	-	-	Retention	
<b>D</b>	Marine Rec	2	MSF starting August 1	0	2	Retention	-
	Freshwater Rec	2 except North Nemah 3 fish	MSF	0	2, 3 in N. Nemah	Retention	-
	Commercial	Tangle Nets	Entire season (Sept, Oct, Nov). No fishing prior to Sept 21	-	-	Retention	\$303,315
		November	2T, 2U, 2N Wks 45-47; 2M Wks 46-47	-	-	Retention	

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Model A - 2022 preseason abundances with 2021 fisheries (NALF)

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