

**2020 Willapa Bay Fishery Model Run Summary**

Model	Natural Chinook Expected Impact Rate			Expected Escapement			Policy Priorities				Allocation % by Sector				# Commercial Days Scheduled
	Willapa River ≤ 14%	Naselle River ≤ 14%	Chum Impacts ≤ 10%	NOR Chinook Goal=4,353	NOR Coho Goal=13,600	Chum Total Goal = 35,400	Willapa Bay Total Expected Harvest				Chinook		Coho		
							Chinook - HOR Retention		Coho Total		Rec	Comm	Rec	Comm	
Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm		
<b>A</b>	19.5%	29.4%	12.5%	2,316	10,831	35,705	9,118	4,299	7,571	13,777	68.0%	32.0%	35.5%	64.5%	44
<b>B</b>	19.5%	29.4%	12.5%	2,316	11,630	35,705	9,118	4,299	6,772	13,777	68.0%	32.0%	33.0%	67.0%	44
<b>C</b>	9.6%	37.8%	9.6%	2,479	13,444	36,888	4,491	3,759	3,237	9,130	54.4%	45.6%	26.2%	73.8%	29
<b>D</b>	15.2%	19.4%	6.2%	2,461	13,625	38,257	9,759	1,789	6,773	8,429	84.5%	15.5%	44.6%	55.4%	20
<b>E</b>	12.0%	32.1%	9.5%	2,449	13,654	36,916	9,118	2,181	6,772	7,136	80.7%	19.3%	48.7%	51.3%	27
<b>F</b>	14.1%	25.4%	1.1%	2,447	14,115	40,374	9,118	2,406	6,772	6,453	79.1%	20.9%	51.2%	48.8%	18
<b>G</b>	12.7%	28.1%	4.0%	2,458	13,765	39,172	8,589	3,756	5,214	7,955	69.6%	30.4%	39.6%	60.4%	19
<b>H</b>	9.6%	9.6%	9.7%	2,629	13,620	36,863	9,118	618	6,772	4,860	93.7%	6.3%	58.2%	41.8%	27
<b>I</b>	10.4%	14.4%	8.2%	2,585	13,856	37,440	9,042	1,168	6,335	5,743	88.6%	11.4%	52.5%	47.5%	19
<b>J</b>	9.6%	37.8%	9.6%	2,479	13,837	36,888	4,806	3,759	2,844	9,130	56.1%	43.9%	23.8%	76.2%	29

2020 Fishery Description

MSF = Mark Selective Fishery

HR = Harvest Rate

Model Run	Natural Chinook HR Cap		Fishery	Total Bag Limit	Chinook Fishery - UM Release Required (MSF)	Natural Coho Bag Limit	Hatchery Coho Bag Limit	Chum	Ex-Vessel Value
	Willapa & Naselle rivers	Chum Impacts							
A	Base Model - 2019 (Last year's) schedule (Rec & Commercial) with 2020 Forecasted Abundances 20% Willapa & Naselle rivers and 10% WB Chum		Marine Rec	2	MSF starting August 1	2	2	Retention	\$356,034
			Freshwater Rec	2	MSF	2	2	Retention	
			Commercial	Tangle Nets	2N & 2M prior to 9/13			Retention Sept & Oct	
				November	MSF			Release	
B	14.0%	10.0%	Marine Rec	2	MSF starting August 1	2	2	Retention	\$356,034
			Freshwater Rec	2	MSF	0	2	Retention	
			Commercial	Tangle Nets	2N & 2M prior to 9/13			Retention Sept & Oct	
				November	MSF			Release	
C	14.0%	10.0%	Marine Rec	1	MSF starting August 1	1	1	Retention	\$263,054
			Freshwater Rec	1	MSF	1	1	Retention	
			Commercial	Tangle Nets	Area 2U			Retention Sept & Oct	
				November	MSF			Retention	
D	14.0%	10.0%	Marine Rec	2	MSF starting August 1	2	2	Retention	\$192,845
			Freshwater Rec	2	MSF	0	2	Retention	
			Commercial	Fishery Starts Sept 16	MSF			Retention Sept & Oct	
				November	Closed				
E	14.0%	10.0%	Marine Rec	2	MSF starting August 1	2	2	Retention	\$189,105
			Freshwater Rec	2	MSF	0	2	Retention	
			Commercial	2T & 2U closed until Oct (wk 40)	MSF			Retention Sept & Oct	
				November	Closed				
F	14.0%	10.0%	Marine Rec	2	MSF starting August 1	2	2	Retention	\$173,534
			Freshwater Rec	2	MSF	0	2	Retention	
			Commercial	No fishing in Nov & remove days moving up the schedule	MSF			Retention Sept & Oct	
G	14.0%	10.0%	Marine Rec	2	MSF starting August 1	2	2	Retention	\$237,553
			Freshwater Rec	1 adult in all systems except 2 adults in Nemah River	MSF	0	1 all other systems, 2 in Nemah River	Retention	
			Commercial	Tangle Nets	Any area open prior to Sept 13 (wk 38) and 2U all season			Retention Sept & Oct	
				November	MSF			Retention	
H	14.0%	10.0%	Marine Rec	2	MSF starting August 1	2	2	Retention	\$100,199
			Freshwater Rec	2	MSF	0	2	Retention	
			Commercial	Tangle Nets	Weeks 38 & 39, 2U Closed until Nov			Retention Sept & Oct	
				November	MSF			Release	
I	14.0%	10.0%	Marine Rec	2	MSF starting August 1	2	2	Retention	\$127,646
			Freshwater Rec	1 adult Willapa River, 2 adults Nemah & Naselle rivers	MSF	0	1 in Willapa River and 2 in Naselle & Nemah rivers	Retention	
			Commercial	Tangle Nets	2U entire season, No fishing until wk 38			Retention Sept & Oct	
				November	MSF			Retention	
J	14.0%	10.0%	Marine Rec	1	MSF starting August 1	1	1	Retention	\$263,054
			Freshwater Rec	1	MSF	0	1	Retention	
			Commercial	Tangle Nets	all of 2U			Retention Sept & Oct	
				November	MSF			Release	