

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 - Hatchery Retention		Coho		Rec	Comm	Rec	Comm	
Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm		
A	18.8%	28.2%	12.5%	2,374	11,395	35,705	4,964	4,299	6,401	14,015	53.6%	46.4%	31.4%	68.6%	43
B	18.8%	28.2%	12.5%	2,374	11,624	35,705	4,964	4,299	5,817	13,719	53.6%	46.4%	29.8%	70.2%	43
C	9.3%	37.2%	9.6%	2,510	13,618	36,888	2,216	3,759	2,539	9,091	37.1%	62.9%	21.8%	78.2%	28
D	14.4%	18.2%	6.2%	2,519	13,611	38,257	4,964	1,789	5,817	8,393	73.5%	26.5%	40.9%	59.1%	20
E	11.2%	30.9%	9.5%	2,508	13,639	36,916	4,964	2,181	5,817	7,106	69.5%	30.5%	45.0%	55.0%	27
F	13.3%	24.2%	1.1%	2,505	14,099	40,374	4,964	2,406	5,817	6,426	67.4%	32.6%	47.5%	52.5%	18
G	12.4%	27.5%	4.0%	2,505	13,734	39,172	4,624	3,756	4,684	7,921	55.2%	44.8%	37.2%	62.8%	19
H	8.8%	8.4%	9.7%	2,687	13,606	36,863	4,964	618	5,817	4,840	88.9%	11.1%	54.6%	45.4%	27
I	10.0%	13.2%	8.2%	2,635	13,609	37,440	4,748	1,168	5,911	5,719	80.3%	19.7%	50.8%	49.2%	19
J	9.3%	37.2%	9.6%	2,510	13,806	36,888	2,216	3,759	2,352	9,091	37.1%	62.9%	20.6%	79.4%	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	\$359,719
			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	\$355,128
			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	\$262,450
			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	\$192,286
			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	\$188,633
			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	\$177,105
			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	\$237,025
			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	\$99,881
			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	\$127,266
			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	\$208,346
			Freshwater Rec	1	MSF	0	1	Retention	
			Commercial	Tangle Nets	all of 2U			Retention Sept & Oct	
				November	MSF			Release	