2021 Willapa Bay Fishery Model Run Data Summary

Preliminary Draft

Model	Management Objectives			Expected Natural Chinook Impact Rate		Expected Chum Impacts	Expected Escapement			Policy Priorities: Willapa Bay Total Expected Harvest				Allocation % by Sector				# Commercial Days Scheduled
	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[1]		Chinook		Coho		
										Rec	Comm	Rec	Comm	Rec	Comm	Rec	Comm	
A (NALF)	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	10.9%	11.0%	4.5%	3,504	14,842	37,303	4,874	1,401	5,422	11,046	77.7%	22.3%	32.9%	67.1%	11
B				8.3%	17.0%	6.8%	3,536	14,683	36,435	4,874	3,308	5,422	10,688	59.6%	40.4%	33.7%	66.3%	20
C				8.1%	16.7%	8.3%	3,547	14,492	35,842	4,874	2,939	5,422	11,104	62.4%	37.6%	32.8%	67.2%	23
D				8.5%	16.9%	6.8%	3,533	14,708	36,412	4,874	3,338	5,422	10,340	59.4%	40.6%	34.4%	65.6%	22
E				5.6%	4.7%	8.9%	3,704	15,803	35,612	6,781	157	5,441	4,578	97.7%	2.3%	54.3%	45.7%	11
F				9.0%	19.9%	7.0%	3,493	13,965	36,332	4,874	3,697	5,422	13,228	56.9%	43.1%	29.1%	70.9%	29

[1] Recreational coho totals include marine and freshwater hatchery coho and natural coho expected harvest

Model A = 2021 preseason abundances with 2020 fisheries (NALF)
Model B = Commercial proposal #1: No changes to recreational regulations from 2020
Model C = Staff Recommendation #1: No changes to recreational regulations from 2020
Model D = Commercial proposal #2: No changes to recreational regulations from 2020
Model E = Commercial proposal #3: Includes no 2T fishing, 2U, 2N and 2M do not open to fishing until Oct 1. Recreational changes include Nemah River with a 3 fish daily limit for Chinook and open Hwy 4 to the Naselle Hatchery Attraction Channel in the Naselle River on Aug 16 instead of Oct 16
Model F = Commercial proposal #4: No changes to recreational regulations from 2020

2021 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
A 2020 fisheries with 2021 preseason abundances (NALF)	Marine Rec	2	MSF starting August 1	2	2	Retention	
	Freshwater Rec	2	MSF	0	2	Retention	
	Commercial	Tangle Nets	Prior to 9/13 areas 2T, 2U, 2N	-	-	Retention Sept & Oct	$222,405
		November	Closed				
B	Marine Rec	2	MSF starting August 1	2	2	Retention	
	Freshwater Rec	2	MSF	0	2	Retention	
	Commercial	Tangle Nets	Wks 34-37 2N & 2M, All open areas prior to 9/19	-	-	Retention	$278,920
		November	Limited - Wks 45 & 46 2T, 2U, & 2M	-	-	Retention	
C	Marine Rec	2	MSF starting August 1	2	2	Retention	
	Freshwater Rec	2	MSF	0	2	Retention	
	Commercial	Tangle Nets	Wks 35-37 2N & 2M, All open areas prior to 9/19	-	-	Retention	$277,694
		November	Wks 45 & 46 only	-	-	Retention	
D	Marine Rec	2	MSF starting August 1	2	2	Retention	
	Freshwater Rec	2	MSF	0	0	Retention	
	Commercial	Tangle Nets	Wks 34-37 2N & 2M, All open areas prior to 9/19	-	-	Retention	$274,561
		November	Limited - Wks 45 & 46 2T, 2U, & 2M	-	-	Retention	
E	Marine Rec	2	MSF starting August 1	2	2	Retention	
	Freshwater Rec	2 except Nemah R. 3 fish	MSF	0	2	Retention	
	Commercial	Tangle Nets	No tangle net scheduled	-	-	Retention	$94,741
		November	Closed				
F	Marine Rec	2	MSF starting August 1	2	2	Retention	
	Freshwater Rec	2	MSF	0	0	Retention	
	Commercial	Tangle Nets	Wks 34-37 2N & 2M, All open areas prior to 9/19	-	-	Retention	$330,446
		November	Limited - Wks 45 & 46 2T, 2U, & 2M	-	-	Retention	

Model A = 2020 fisheries with 2021 preseason abundances (NALF)
Model B = Commercial proposal # 1: No changes to recreational regulations from 2020
Model C = Staff Recommendation #1: No changes to recreational regulations from 2020
Model D = Commercial proposal #2: No changes to recreational regulations from 2020
Model E = Commercial proposal #3: Includes no 2T fishing, 2U, 2N and 2M do not open to fishing until Oct 1. Recreational changes include Nemah River with a 3 fish daily limit for Chinook and open Hwy 4 to the Naselle Hatchery Attraction Channel in the Naselle River on Aug 16 instead of Oct 16
Model F = Commercial proposal #4: No changes to recreational regulations from 2020