

**2025 Willapa Bay Terminal Area Management Model (TAMM)**

**PFMC #: Coho25**  
**PFMC Model: Ocean Coho Option 2511**

Updated: 3/12/2025 Middle Option

<b>Model A - NALF (New Abundances, Last year's Fisheries)</b>  <b>D R A F T</b>	<b>Fishery Description</b>	
	<b>Marine Area Recreational</b>	Control Zone Open (Aug/Sept); Chinook MSF Aug 1, 2 adult daily limit, Release UM Chinook
	<b>Freshwater Recreational</b>	2 adult daily limit. Release UM CHK; Release UM Coho in Willapa/Naselle/Palix/S Nemeah rivers; North/Smith/Bear/ N&S Nemeah 1 wild coho; Naselle River Hwy 4 to hatchery closed thru Oct 15; Niawiakum River and Fork Creek Closed to salmon
	<b>Commerical</b>	2N, 2R, & 2M prior to Labor Day, Tangle nets wks 33-37, 2U tangle net 38; Nov fishing time, Release UM CHK

Rate Data			
Commercial Chinook Drop out	0.03	Sport hook & line drop off	0.05
Commercial Coho Drop out	0.02	Marine Hooking Mortality	0.14
Small mesh gear mortality	0.56	Freshwater Hooking Mortality	0.10
Tangle net mortality	0.31	Control Zone Closure Savings	0.60

	Chinook				Coho				Chum				Total				
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear		Total			
Pre-Season Runsize	33,419	1,926	12,295	19,198	2,338	1,075	507	756	69,146	20,948	0	48,198	24,951	17,239	3,513	4,200	94,464
Escapement Goal	6,304	294	2,342	3,668	4,353	2,172	328	1,853	2,500	1,000	0	1,500	13,600	9,679	1,294	2,628	35,400
Harvestable	27,115	1,632	9,953	15,530	-2,015	-1,097	179	-1,097	66,646	19,948	0	46,698	11,351	7,560	2,219	1,573	59,064

Stat Week	2025 Dates	Days Fished										5 yr avg HR with drop out included										CHUM MSF	Chum Catch					Total Chum																	
		MSF - Chinook					Natural Chinook Catch					Hatchery Chinook					Natural Chinook						Hatchery Coho						Natural Coho																
		T	U	N	R	M	T	U	N	R	M	Total Hatchery	Total WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Total WB Origin	Willapa North	Nemah Palix	Naselle Bear		Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural		Willapa North	Nemah Palix	Naselle Bear	T	U	N	R	M									
32	Aug 3 - 9	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	0	0	0	0	0	0			
33	Aug 10 - 16	0.0	0.0	1.0	1.0	1.00	1.00	0.31	0.31	0.31	0	0	7	0	5	753	753	7	273	473	14	12	2	4	6	1	0	0	0	0	1	0	0	0	0	1.00	0	0	0	0	1	1			
34	Aug 17 - 23	0.0	0.0	2.0	2.0	1.00	1.00	0.31	0.31	0.31	0	0	16	0	9	1,211	1,211	15	432	764	30	25	4	8	13	9	0	0	0	9	4	0	1	2	2	1.00	0	0	1	0	1	1			
35	Aug 24 - 30	0.0	0.0	2.0	2.0	1.00	1.00	0.31	0.31	0.31	0	0	21	0	10	1,228	1,228	15	438	775	37	31	5	10	16	22	0	0	0	22	13	1	4	9	9	1.00	0	0	1	0	1	1			
36	Aug 31 - Sept 6	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	0	0	0	0	0	0			
37	Sept 7 - 13	0.0	0.0	2.0	2.0	0.31	0.31	0.31	0.31	0.31	0	0	7	0	4	522	522	6	188	329	13	11	2	4	6	668	3	0	0	665	83	4	26	54	1.00	0	0	2	2	2	6				
38	Sept 14 - 20	6.0	3.0	6.0	5.0	0.56	0.31	0.56	0.56	0.56	19	39	4	0	15	1,074	1,074	110	284	679	89	75	48	8	19	8,596	2901	0	5,696	1,862	1,253	194	416	1.00	4	4	7	4	13	32					
39	Sept 21 - 27	6.0	3.0	6.0	5.0	0.56	0.56	0.56	0.56	0.56	19	18	2	0	7	280	280	32	71	177	58	47	30	5	12	7,261	1,232	0	6,029	1,713	910	271	532	1.00	40	4	37	4	47	132					
40	Sept 28 - Oct 4	5.0	4.0	6.0	5.0	0.56	0.56	0.56	0.56	0.56	9	7	1	0	10	174	174	21	43	110	33	27	14	4	9	5,764	664	0	5,101	1,957	918	362	677	1.00	209	17	49	53	272	601					
41	Oct 5 - 11	3.0	2.0	3.0	2.0	0.56	0.56	0.56	0.56	0.56	3	4	0	0	1	41	41	7	8	26	11	9	6	1	2	1,268	238	0	1,030	650	351	101	198	1.00	964	43	57	34	425	1,522					
42	Oct 12 - 18	4.0	1.0	3.0	2.0	0.56	0.56	0.56	0.56	0.56	3	2	0	0	1	25	25	4	5	16	9	7	5	1	2	1,614	350	0	1,264	1,256	714	173	369	1.00	4,068	223	552	331	3,442	8,615					
43	Oct 19 - 25	3.0	2.0	3.0	2.0	0.56	0.56	0.56	0.56	0.56	0	0	0	0	0	7	7	1	1	5	0	0	0	0	0	927	483	0	444	1,333	1,004	116	213	1.00	7,740	1,657	2,352	1,406	5,274	18,429					
44	Oct 26 - Nov 1	1.0	0.0	2.0	2.0	0.56	0.56	0.56	0.56	0.56	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	34	6	0	28	36	20	5	12	1.00	358	0	980	164	2,072	3,573					
45	Nov 2 - 8	1.0	0.0	2.0	2.0	0.56	0.56	0.56	0.56	0.56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	6	0	22	53	20	11	22	1.00	505	0	1,120	164	684	2,472					
46	Nov 9 - 15	1.0	0.0	1.0	1.0	0.56	0.56	0.56	0.56	0.56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	4	0	24	28	10	6	12	1.00	335	0	560	64	805	1,763					
47	Nov 16 - 22	1.0	2.0	2.0	2.0	0.56	0.56	0.56	0.56	0.56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	103	0	38	95	93	2	0	1.00	335	7	1,120	127	1,610	3,199					
48	Nov 23 - 29	1.0	1.0	1.0	1.0	0.56	0.56	0.56	0.56	0.56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	13	0	5	15	14	0	0	1.00	335	3	560	64	805	1,767					
49	30-Nov	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	0	0	0	0	0	0			
<b>Commercial Catch Totals</b>		32	18	42	36	34											52	70	58	1	62	5,319	5,319	219	1,743	3,355	294	243	114	43	86	26,380	6,004	0	20,377	9,098	5,311	1,272	2,515	14,891	1,959	7,397	2,415	15,452	42,114
<b>Commercial Harvest Rate</b>												0.159	0.114	0.142	0.175	0.104	0.106	0.086	0.114	0.382	0.287	0.423	0.365	0.308	0.362	0.599						0.446													

Management Objectives for 2025		
<b>CHINOOK</b>	Willapa R. Natural Chinook Impact Rate	Naselle R. Natural Chinook Impact Rate
	Expected Cap 14.9%	Expected Cap 16.6%
<b>COHO Expected Natural Escapement</b>	Expected	Goal
	15,443	13,600
<b>CHUM Expected Total Escapement</b>	Expected	Goal
	52,207	35,400

Hatchery Chinook				
Rec Marine Catch	752	175	92	485
Harvest Rate	0.022	0.091	0.01	0.025
Rec Freshwater Catch	3,493	203	2,529	761
Harvest Rate	0.105	0.105	0.206	0.040
Total Recreational Catch	4,245	378	2,621	1,246
Harvest Rate	0.127	0.196	0.213	0.065
Expected Escapement	23,856	1,329	7,931	14,598
Total Harvest Rates	0.286	0.310	0.355	0.240

Natural Chinook		Hatchery Coho			Natural Coho											
33	26	1	6	740	369	371	235	187	34	15						
0.014	0.024	0.002	0.008	0.011	0.018	0.008	0.009	0.011	0.010	0.004						
78	21	23	34	5,129	1,120	4,008	175	125	7	43						
0.033	0.019	0.046	0.044	0.074	0.053	0.083	0.007	0.007	0.002	0.010						
110	46	24	39	5,869	1,489	0	4,379	410	312	41	58					
0.047	0.043	0.048	0.052	0.085	0.071	0.091	0.016	0.018	0.012	0.014						
1,984	915	439	631	36,897						15,443	Goal	13,600	Goal	35,400	52,207	
0.151	0.149	0.134	0.166	0.466						0.381						44.7%