

2020 Willapa Bay Terminal Area Management Model (TAMM)

Update 24-Sep-20

PFMC : Coho2027b_040720_STTNOF_CR_transfer.xlsx

Ocean Option # Alt 2b - Middle option

DRAFT

Updated
09/24/2020

FW - Retention of UM Coho allowed

		Chinook				Coho								Chum								
		Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear	Total				
Commercial Chinook Drop out	0.03	Sport hook & line drop off		0.05	Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583	114,139	20,511	0	93,628	46,428	25,061	10,929	10,438	40,804
Commercial Coho Drop out	0.02	Marine Hooking Mortality		0.14	Escapement Goal	6,173	283	2,342	3,548	4,353	2,172	328	1,853	2,500	1,000	0	1,500	13,600	9,679	1,294	2,628	35,400
Small mesh gear mortality	0.56	Freshwater Hooking Mortality		0.10	Harvestable	22,098	1,562	13,401	7,135	-1,439	-199	30	-1,270	111,639	19,511	0	92,128	32,828	15,382	9,636	7,810	5,404
Tangle net mortality	0.31																					
Based on 12-Hr rates																						

Stat Week	2020 Dates	Days Fished					MSF					Hatchery Chinook					Natural Chinook					Hatchery Coho				Natural Coho				Chum Catch					Total Chum	
		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 2 - Aug 8	0.0	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
33	Aug 9 - 15	0.0	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	
34	Aug 16 - 22	0.0	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	
35	Aug 23 - Aug 29	0.0	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	
36	Aug 30 - Sept 5	0.0	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	
37	Sept 6 - 12	0.0	1.0	1.0	0.0	0.0	1.00	0.31	0.31	1.00	1.00	330	330	128	2	200	111	102	96	0	6	1,338	754	0	584	181	171	8	2	0	1	0	0	0	1	
38	Sept 13 - 19	1.0	0.0	1.0	0.0	0.0	0.31	1.00	0.31	1.00	1.00	97	97	20	1	76	11	8	6	0	2	957	146	0	811	422	164	61	197	1	0	0	0	0	2	
39	Sept 20 - 26	2.0	2.0	2.0	0.0	2.0	0.31	0.31	0.31	1.00	0.31	272	272	49	5	219	67	58	31	0	26	6,702	1119	0	5583	1,952	1264	247	441	3	1	1	0	2	7	
40	Sept 27 - Oct 3	3.0	3.0	3.0	0.0	3.0	0.56	0.56	0.56	1.00	0.56	170	170	54	1	114	32	27	21	0	6	4,481	816	0	3665	1,186	565	188	433	21	4	35	0	15	76	
41	Oct 4 - 10	2.0	2.0	2.0	0.0	2.0	0.56	0.56	0.56	1.00	0.56	57	57	13	1	43	11	8	6	0	2	1,305	283	0	1022	1,148	660	132	356	436	15	46	0	513	1,010	
42	Oct 11 - 17	0.0	1.0	2.0	0.0	2.0	0.56	0.56	0.56	1.00	0.56	20	20	3	0	16	4	3	2	0	2	517	49	0	467	207	164	20	23	0	8	46	0	513	567	
43	Oct 18 - 24	0.0	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	
44	Oct 25 - 31	0.0	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	
45	Nov 1 - 7	0.0	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	
46	Nov 8 - 14	0.0	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	
47	Nov 15 - 21	0.0	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	
48	Nov 22 - 28	0.0	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	
49	Nov 29 - 30	0.0	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	
Commercial Catch Totals		8	9	11	0	9						945	945	266	10	669	236	207	162	0	45	15,300	3,167	0	12,133	5,096	2,987	656	1,453	462	28	129	0	1,043	1,662	
Commercial Harvest Rate												0.033	0.144	0.001	0.063		0.071	0.082	0.001	0.077		0.134	0.154		0.130	0.110	0.119	0.060	0.139					0.041		

	Willapa R. Natural Chinook		Naselle R. Natural Chinook		Willapa Bay Chum		Hatchery Chinook				Natural Chinook				Hatchery Coho				Natural Coho				Chum	
	Projected	Cap	Projected	Cap	Projected	Cap	435	106	2	327	61	53	0	8	433	78	355	153	61	70	22	121		
Harvest Rate	13.1%	14%	11.2%	14%	4.8%	10%	0.015	0.057	0.00	0.031	0.021	0.027	0.000	0.014	0.004	0.004	0.004	0.003	0.002	0.006	0.002	0.003		
							5,915	142	4,941	832	96	44	39	13	9,648	1,059	0	8,589	2,845	1,583	29	1,233	173	
COHO Natural Expected Escapement	Projected	Goal					0.209	0.077	0.314	0.078	0.033	0.022	0.110	0.022	0.085	0.052	0.092	0.061	0.063	0.003	0.118	0.004		
	38,335	13,600																						
CHUM Expected Escapement	Projected	Goal					6,350	248	4,943	1,159	157	97	39	21	10,081	1,136	0	8,944	2,998	1,643	99	1,255	295	
	38,847	35,400					0.225	0.134	0.314	0.109	0.054	0.049	0.110	0.036	0.088	0.055	0.096	0.065	0.066	0.009	0.120	0.007		
							20,975	1,331	10,790	8,855	2,550	1,715	318	518	88,758			38,335					38,847	
																		Goal	13,600				Goal	35,400
							0.258	0.279	0.315	0.171	0.125	13.1%	0.112	11.2%	0.222			0.174					Goal	4,8%

