



# 2022 WILLAPA BAY FISHERY SUMMARY

**Model B**

**DRAFT**

CHINOOK										
Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear			
2022 Pre-Season Runsize	30,071	5,256	13,046	11,769	3,071	2,178	227	666		

HATCHERY					
Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	
Commercial Catch	5,575	5,575	761	2,781	2,033
Commercial Impacts					
Commercial Harvest Rate (HR)	0.185	0.145	0.213	0.173	

NATURAL				
Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
0	0	0	0	0
502	432	304	37	91
0.141	0.140	0.165	0.137	

Recreational Marine Catch	710	441	65	204
Marine HR	0.024	0.084	0.005	0.017
Recreational Freshwater Catch	3,754	597	2,515	642
FW HR	0.125	0.114	0.193	0.055
Expected Escapement	20,033	3,457	7,685	8,890
Total Exploitation Rate	0.334	0.342	0.411	0.245

53	49	0	3
0.017	0.023	0.001	0.005
73	41	11	21
0.024	0.019	0.050	0.031
2,512	1,783	178	551
0.182	0.181	0.216	0.172

Chinook Hatchery Escapement Goal = 6,173

Chinook Natural Escapement Goal = 4,353

COHO										
Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear			
2022 Pre-Season Runsize	55,493	17,719	0	37,774	32,077	21,292	5,121	5,664		

Post Ocean Fisheries

HATCHERY				
Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	
Commercial Catch	17,235	5,529	0	11,706
Commercial Harvest Rate (HR)	0.311	0.312	0.000	0.310

NATURAL				
Total Natural	Willapa North	Nemah Palix	Naselle Bear	
12,726	8,537	1,378	2,810	
0.397	0.401	0.269	0.496	

Recreational Marine Catch	891	447	0	444
Marine HR	0.016	0.025	0.000	0.012
Recreational Freshwater Catch	3,134	766	0	2368
FW HR	0.056	0.043	0.000	0.063

419	319	70	29
0.013	0.015	0.014	0.005
2,500	2,077	18	405
0.091	0.098	0.004	0.071

Expected Escapement	34,233			
Total Exploitation Rate	38.3%			

16,432			
48.8%			

Coho Hatchery Escapement Goal 2,500

Coho Natural Escapement Goal = 13,600

TOTAL CHUM	
2022 Pre-Season Runsize	47,806
Commercial Catch	10,163
Commercial Harvest Rate (HR)	0.213

Recreational Marine Catch	7	Recreational Retention allowed
Marine HR	0.000	
Recreational Freshwater Catch	88	Recreational Retention allowed
FW HR	0.002	
Expected Escapement	37,548	Escapement Goal = 35,400
Total Exploitation Rate	21.5%	

Total Commercial Days Scheduled							
2022 Dates	Stat Week	2T	2U	2N	2R	2M	
July 31 - Aug 6	32	0	0	0	0	0	Closed
Aug 7 - 13	33	0	0	1	0	0	
Aug 14 - 20	34	0	0	2	0	0	
Aug 21 - 27	35	0	0	2	0	1	
Aug 28 - Sept 3	36	0	0	2	0	1	12 hr openings, CHK MSF and Chum Retention allowed. Tangle Net Only
Sept 4 - 10	37	0	0	1	0	1	
Sept 11 - 17	38	2	2	4	1	1	
Sept 18 - 24	39	6	6	6	5	3	
Sept 25 - Oct 1	40	7	7	7	5	3	12 hr openings, CHK MSF & Chum Retention allowed. Gillnet small mesh gear.
Oct 2 - 8	41	5	5	4	1	3	
Oct 9 - 15	42	4	4	3	3	1	
Oct 16 - 22	43	1	1	1	0	1	
Oct 23 - 29	44	0	0	0	0	0	Closed
Oct 30 - Nov 5	45	2	4	1	1	1	12 hr openings, CHK MSF & Chum Retention allowed. Gillnet small mesh gear.
Nov 6 - 12	46	2	4	0	0	0	
Nov 13 - 19	47	2	4	0	0	0	
Nov 20 - 26	48	2	4	0	0	0	
Nov 27 - 30	49	0	3	0	0	0	Closed
<b>Total</b>		<b>33</b>	<b>44</b>	<b>34</b>	<b>16</b>	<b>16</b>	

Recreational Regulations									
Area	Section	Season	Daily Limit	Adult daily Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention	
Marine Area 2.1	Control Zone Open	June TBD - July 31	Same as Marine Area 2 when open for salmon						
		Aug. 1 - Jan. 31	6	2	Yes	-	0	2	
Willapa River	mouth upstream to Hwy 6 Bridge below Trap Crk	Aug. 1 - Jan. 31	6	2	Yes	2nd Bridge on Camp One Rd.	0	2	
	Hwy 6 upstream to Fork Creek	Aug. 16 - Jan. 31	6	2	Yes	-	0	2	
	Mouth of Fork Creek to Hwy 6 Br (near Lebam)	Oct. 1 - Jan. 31	6	2	No	-	0	2	
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 - Sept 30	6	2	No	-	0	2	
Fork Creek	Fork Crk Hatchery rack upstream 500' at the fishing boundary sign	Oct. 1 - Jan. 31	6	2	No	-	0	2	
North River	mouth upstream to Fall River	Oct 1 - Jan 31	6	2	No	-	0	2	
Smith Creek	mouth to Hwy 101 Bridge	Oct 1 - Dec 31	6	2	No	-	0	2	
North Nemah River	Hwy 101 Br. to Nemah Valley Rd. Br.	Aug. 1 - <del>Sept 30</del> Jan 31	6	2	No	-	0	2	
	Nemah Valley Rd. Br. Upstream to Hancock Property Line. approx. 1.66 M	Closed to salmon fishing							
	Hancock Property Line upstream to temporary weir	Aug. 1 - Sept 15, Seniors Only*	6	2	No	-	0	2	
	temporary weir upstream to Nemah Hat. Dam	Closed to ALL fishing							
	Nemah Hatchery dam upstream to N700 Rd	Oct 1 - Jan 31	6	2	No	-	0	2	
Middle Nemah River	mouth to bridge on Middle Nemah A-line Rd	Sept. 1 - <del>Sept 30</del> Jan 31	6	2	No	-	0	2	
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - <del>Sept 30</del> Jan 31	6	2	No	-	0	2	
Palix River	Hwy 101 to mouth of Middle Fork	Sept 1 - Jan 31	6	2	No	-	0	2	
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Sept 1 - Nov 30	6	2	No	-	0	2	
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	2	Yes	South Fork	0	2	
	from South Fork Naselle River upstream to Hwy 4	Aug. 1 - Jan. 31	6	2	No	-	0	2	
	Hwy 4 to 300' below hatchery attraction channel	Oct 16 - Jan. 31	6	2	No	-	0	2	
	Attraction channel upstream to Crown Mainline Bridge	Oct 16 - Jan. 31	6	2	No	-	0	2	
Bear River	Mouth upstream to Lime Quarry Rd	Sept 1 - Jan 31	6	2	No	-	0	2	

\* Seniors defined as 70 years old and over

Blue = changes from last year's fishery represented in this model run