2020 WILLAPA BAY FISHERY SUMMARY

Model A

CHINOOK

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583

	HATCHERY					NATURAL				
	Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	4,299	4,299	704	74	3,520	1	1	1	0	0
Commercial Impacts						438	361	220	2	140
Commercial Harvest Rate (HR)		0.152	0.382	0.005	0.330		0.124	0.112	0.004	0.240
Recreational Marine Catch		2,397	582	9	1,803		140	121	0	19
Marine HR		0.085	0.315	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		2,567	98	1,906	562		38	29	3	6
FW HR		0.091	0.053	0.121	0.053		0.013	0.015	0.010	0.010
Expected Escapement		19,009	461	13,754	4,797		**2,374**	1,603	353	418
Total Exploitation Rate		0.328	0.750	0.126	0.551		**0.185**	0.188	0.014	0.282

Total Commercial Days Scheduled

Stat Week	2T	2U	2N	2R	2M	
32	0	0	0	0	0	Closed
33	0	0	0	0	0	
34	0	0	0	0	0	
35	0	0	0	0	0	
36	0	0	**2**	0	**1**	12 hr openings, CHK MSF and Chum Retention allowed. 2M & N Tangle Net
37	0	0	**3**	0	0	
38	**5**	**5**	**5**	0	**5**	12 hr openings, CHK MSF & Chum Retention allowed, Gillnet small mesh gear
39	**6**	**5**	**6**	0	**6**	
40	**5**	**5**	**5**	0	**5**	
41	**4**	**5**	**4**	0	**4**	
42	0	0	0	0	0	Closed
43	0	0	0	0	0	
44	0	0	0	0	0	
45	**3**	**3**	**3**	0	**3**	24-hr days, Chinook MSF, Chum Release required, Gillnet, small mesh gear
46	**5**	**5**	**5**	**5**	**5**	
47	**5**	**5**	**5**	**5**	**5**	
48	**5**	**5**	**5**	**5**	**5**	
49	0	0	0	0	0	Closed
Total	**38**	**38**	**43**	**15**	**39**	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	41,207	7,405	0	33,802	16,373	8,838	3,854	3,681

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	10,478	2,527	0	7,951	3,537	2,142	441	954
Commercial Harvest Rate (HR)	0.254	0.341	0.000	0.235	0.216	0.242	0.114	0.259
Recreational Marine Catch	2,787	501	0	2286	934	371	430	133
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	2,173	187	0	1986	507	418	2	87
FW HR	0.053	0.025	0.000	0.059	0.088	0.047	0.001	0.024
Expected Escapement	25,770				**11,395**			
Total Exploitation Rate	37.5%				30.4%			

	TOTAL CHUM	
2020 Pre-Season Runsize	40,804	
Commercial Catch	4,818	
Commercial Harvest Rate (HR)	0.118	
Recreational Marine Catch	121	Recreational Retention allowed
Marine HR	0.003	
Recreational Freshwater Catch	159	Recreational Retention allowed
FW HR	0.004	
Expected Escapement	35,705	
Total Exploitation Rate	**12.5%**	

Recreational Regulations

Area	Section	Season	Daily Limit	Adult Bag Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention
Marine Area 2.1	Control Zone open	Date? - July 31	Same as Marine Area 2 - Daily limit 2. Only 1 may be a CHK. Release wild Coho.					
		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**
	Fork Creek to Hwy 6 Br (near Lebam)	Oct. 31 - Jan. 31	6	2	No	-	0	**2**
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 Jan. 31	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 - 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 - Jan. 31	6	2	No	-	0	**2**
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - Jan. 31	6	2	No	-	0	**2**
Palix River	Hwy 101 to mouth of Middle Fork	Closed to salmon fishing						
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Closed to salmon fishing						
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	2	Yes		0	**2**
	from South Fork Naselle River upstream to attraction channel	Aug. 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

2020 WILLAPA BAY FISHERY SUMMARY

Model B

CHINOOK

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583

	HATCHERY					NATURAL				
	Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	4,299	4,299	704	74	3,520	1	1	1	0	0
Commercial Impacts						438	361	220	2	140
Commercial Harvest Rate (HR)		0.152	0.382	0.005	0.330		0.124	0.112	0.004	0.240
Recreational Marine Catch		2,397	582	9	1,803		140	121	0	19
Marine HR		0.085	0.315	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		2,567	98	1,906	562		38	29	3	6
FW HR		0.091	0.053	0.121	0.053		0.013	0.015	0.010	0.010
Expected Escapement		19,009	461	13,754	4,797		**2,374**	1,603	353	418
Total Exploitation Rate		0.328	0.750	0.126	0.551		**0.185**	0.188	0.014	0.282

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,310	7,244	0	33,066	16,059	8,668	3,780	3,610

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	10,250	2,472	0	7,778	3,469	2,101	433	936
Commercial Harvest Rate (HR)	0.254	0.341	0.000	0.235	0.216	0.242	0.114	0.259
Recreational Marine Catch	2,726	490	0	2236	916	364	422	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	2,126	183	0	1943	50	41	0	9
FW HR	0.053	0.025	0.000	0.059	0.060	0.005	0.000	0.002
Expected Escapement	25,209				**11,624**			
Total Exploitation Rate	37.5%				27.6%			

	TOTAL CHUM	
2020 Pre-Season Runsize	40,804	
Commercial Catch	4,818	
Commercial Harvest Rate (HR)	0.118	
Recreational Marine Catch	121	Recreational Retention allowed
Marine HR	0.003	
Recreational Freshwater Catch	159	Recreational Retention allowed
FW HR	0.004	
Expected Escapement	35,705	
Total Exploitation Rate	**12.5%**	

Total Commercial Days Scheduled

Stat Week	2T	2U	2N	2R	2M	
32	0	0	0	0	0	Closed
33	0	0	0	0	0	
34	0	0	0	0	0	
35	0	0	0	0	0	
36	0	0	**2**	0	**1**	12 hr openings, CHK MSF and Chum Retention allowed. 2M & 2N Tangle Net
37	0	0	**3**	0	0	
38	**5**	**5**	**5**	0	**5**	12 hr openings, CHK MSF & Chum Retention allowed, Gillnet small mesh gear
39	**6**	**5**	**6**	0	**6**	
40	**5**	**5**	**5**	0	**5**	
41	**4**	**5**	**4**	0	**4**	
42	0	0	0	0	0	Closed
43	0	0	0	0	0	
44	0	0	0	0	0	
45	**3**	**3**	**3**	0	**3**	24-hr days, Chinook MSF, Chum Release required, Gillnet, small mesh gear
46	**5**	**5**	**5**	**5**	**5**	
47	**5**	**5**	**5**	**5**	**5**	
48	**5**	**5**	**5**	**5**	**5**	
49	0	0	0	0	0	Closed
Total	**38**	**38**	**43**	**15**	**39**	

Recreational Regulations

Area	Section	Season	Daily Limit	Adult Bag Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention
Marine Area 2.1	Control Zone	Date?- July 31	Same as Marine Area 2 - Daily limit 2. Only 1 may be a CHK. Release wild Coho.					
		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	**0**
	Hwy 6 upstream to Fork Creek	Aug. 16 - Jan. 31	6	2	Yes		0	**0**
	Fork Creek to Hwy 6 Br (near Lebam)	Oct. 31 - Jan. 31	6	2	No	-	0	**0**
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 Jan. 31	6	2	No	-	0	**0**
Fork Creek	Fork Crk Hatchery rack upstream 500' at the fishing boundary sign	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
North River	mouth upstream to Fall River	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
Smith Creek	mouth to Hwy 101 Bridge	Oct. 1 - Dec. 31	6	2	No		0	**0**
North Nemah River	Hwy 101 Br. to Nemah Valley Rd. Br.	Aug. 1 - Jan. 31	6	2	No	-	0	**0**
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	**0**
	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	**0**
Middle Nemah River	mouth to bridge on Middle Nemah A-line Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
Palix River	Hwy 101 to mouth of Middle Fork	Closed to salmon fishing						
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Closed to salmon fishing						
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	2	Yes		0	**0**
	from South Fork Naselle River upstream to attraction channel	Aug. 16 - Jan 31	6	2	No	-	0	**0**
	Attraction channel upstream to Crown Mainline Bridge	Oct 16 - Jan. 31	6	2	No	-	0	**0**
Bear River	mouth upstream to Lime Quarry Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**

* Seniors defined as 70 years old and over

2020 WILLAPA BAY FISHERY SUMMARY

Model C

CHINOOK

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583

	HATCHERY					NATURAL				
	Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	3,759	3,759	429	79	3,251	0	0	0	0	0
Commercial Impacts						410	338	128	2	207
Commercial Harvest Rate (HR)		0.133	0.232	0.005	0.304		0.116	0.065	0.007	0.356
Recreational Marine Catch		816	198	3	614		48	41	0	7
Marine HR		0.029	0.107	0.000	0.057		0.016	0.021	0.000	0.011
Recreational Freshwater Catch		1,400	45	1,079	276		18	13	2	3
FW HR		0.050	0.025	0.069	0.026		0.006	0.007	0.006	0.005
Expected Escapement		22,296	1,173	14,582	6,541		**2,510**	1,790	354	366
Total Exploitation Rate		0.211	0.364	0.074	0.388		**0.139**	0.093	0.012	0.372

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,310	7,244	0	33,066	16,059	8,668	3,780	3,610

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	7,188	1,371	0	5,818	1,903	996	289	618
Commercial Harvest Rate (HR)	0.178	0.189	0.000	0.176	0.119	0.115	0.077	0.171
Recreational Marine Catch	980	176	0	804	329	131	152	47
Marine HR	0.024	0.024	0.000	0.024	0.021	0.015	0.040	0.013
Recreational Freshwater Catch	1,021	74	0	948	208	165	1	42
FW HR	0.025	0.010	0.000	0.029	0.033	0.019	0.000	0.012
Expected Escapement	31,120				**13,618**			
Total Exploitation Rate	22.8%				15.2%			

	TOTAL CHUM	
2020 Pre-Season Runsize	40,804	
Commercial Catch	3,630	
Commercial Harvest Rate (HR)	0.089	
Recreational Marine Catch	121	Recreational Retention allowed
Marine HR	0.003	
Recreational Freshwater Catch	165	Recreational Retention allowed
FW HR	0.004	
Expected Escapement	36,888	
Total Exploitation Rate	**9.6%**	

Total Commercial Days Scheduled

Stat Week	2T	2U	2N	2R	2M	
32	0	0	0	0	0	Closed
33	0	0	0	0	0	
34	0	0	0	0	0	
35	0	0	0	0	0	
36	0	0	0	0	0	12 hr openings, CHK MSF and Chum Retention allowed.
37	0	0	**3**	0	**2**	
38	**3**	**3**	**5**	0	**5**	12 hr openings, CHK MSF & Chum Retention allowed, Gillnet small mesh gear, 2U Tangle Net
39	**3**	**3**	**4**	0	**4**	
40	**3**	**3**	**4**	0	**4**	
41	**2**	**2**	**2**	0	**3**	
42	0	0	**3**	0	**2**	
43	0	0	0	0	0	CLOSED
44	0	0	0	0	0	
45	**1**	**1**	**1**	0	**1**	24-hr days, Chinook MSF, Chum Retention allowed, Gillnet small mesh gear
46	**2**	**2**	**2**	0	**2**	
47	**2**	**2**	**2**	0	**2**	
48	**2**	**2**	**2**	0	**2**	
49	0	0	0	0	0	Closed
Total	**18**	**18**	**28**	**0**	**27**	

Recreational Regulations

Area	Section	Season	Daily Limit	Adult Bag Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention
Marine Area 2.1	Control Zone?	Date? - July 31	Same as Marine Area 2 - Daily limit 2. Only 1 may be a CHK. Release wild Coho.					
		Aug. 1 - Jan. 31	6	1	Yes	-	0	**1**
Willapa River	mouth upstream to Hwy 6 Bridge below Trap Crk	Aug. 1 - Jan. 31	6	1	Yes	2nd Bridge on Camp One Rd.	0	**1**
	Hwy 6 upstream to Fork Creek	Aug. 16 - Jan. 31	6	1	Yes		0	**1**
	Fork Creek to Hwy 6 Br (near Lebam)	Oct. 31 - Jan. 31	6	1	No	-	0	**1**
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 Jan. 31	6	1	No	-	0	**1**
Fork Creek	Fork Crk Hatchery rack upstream 500' at the fishing boundary sign	Oct. 1 - Jan. 31	6	1	No	-	0	**1**
North River	mouth upstream to Fall River	Oct. 1 - Jan. 31	6	1	No	-	0	**1**
Smith Creek	mouth to Hwy 101 Bridge	Oct. 1 - Dec. 31	6	1	No		0	**1**
North Nemah River	Hwy 101 Br. to Nemah Valley Rd. Br.	Aug. 1 - Jan. 31	6	1	No	-	0	**1**
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	1	No	-	0	**1**
	temporary weir upstream to Nemah Hat. Dam	Closed to ALL fishing						
	Nemah Hatchery dam upstream to N700 Rd	Oct. 1 - Jan. 31	6	1	No	-	0	**1**
Middle Nemah River	mouth to bridge on Middle Nemah A-line Rd	Sept. 1 - Jan. 31	6	1	No	-	0	**1**
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - Jan. 31	6	1	No	-	0	**1**
Palix River	Hwy 101 to mouth of Middle Fork	Closed to salmon fishing						
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Closed to salmon fishing						
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	1	Yes		0	**1**
	from South Fork Naselle River upstream to attraction channel	Aug. 16 - Jan 31	6	1	No	-	0	**1**
	Attraction channel upstream to Crown Mainline Bridge	Oct 16 - Jan. 31	6	1	No	-	0	**1**
Bear River	mouth upstream to Lime Quarry Rd	Sept. 1 - Jan. 31	6	1	No	-	0	**1**

* Seniors defined as 70 years old and over

2020 WILLAPA BAY FISHERY SUMMARY

Model D

CHINOOK

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583

	HATCHERY					NATURAL				
	Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	1,789	1,789	451	22	1,316	0	0	0	0	0
Commercial Impacts						254	217	134	1	82
Commercial Harvest Rate (HR)		0.063	0.244	0.001	0.123		0.074	0.068	0.003	0.140
Recreational Marine Catch		2,397	582	9	1,803		140	121	0	19
Marine HR		0.085	0.315	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		2,567	98	1,906	562		38	29	3	6
FW HR		0.091	0.053	0.121	0.053		0.013	0.015	0.010	0.010
Expected Escapement		21,518	714	13,805	7,002		**2,519**	1,689	354	477
Total Exploitation Rate		0.239	0.613	0.123	0.345		**0.135**	0.144	0.012	0.182

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,310	7,244	0	33,066	16,059	8,668	3,780	3,610

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	6,911	1,501	0	5,410	1,482	713	247	522
Commercial Harvest Rate (HR)	0.171	0.207	0.000	0.164	0.092	0.082	0.065	0.145
Recreational Marine Catch	2,726	490	0	2236	916	364	422	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	2,126	183	0	1943	50	41	0	9
FW HR	0.053	0.025	0.000	0.059	0.060	0.005	0.000	0.002
Expected Escapement	28,548				**13,611**			
Total Exploitation Rate	29.2%				15.2%			

	TOTAL CHUM	
2020 Pre-Season Runsize	40,804	
Commercial Catch	2,256	
Commercial Harvest Rate (HR)	0.055	
Recreational Marine Catch	121	Recreational Retention allowed
Marine HR	0.003	
Recreational Freshwater Catch	171	Recreational Retention allowed
FW HR	0.004	
Expected Escapement	38,257	
Total Exploitation Rate	**6.2%**	

Total Commercial Days Scheduled

Stat Week	2T	2U	2N	2R	2M	
32	0	0	0	0	0	Closed
33	0	0	0	0	0	
34	0	0	0	0	0	
35	0	0	0	0	0	
36	0	0	0	0	0	
37	0	0	0	0	0	
38	**2**	**4**	**4**	0	**4**	12 hr openings, CHK MSF & Chum Retention allowed, Gillnet small mesh gear
39	**4**	**5**	**5**	0	**5**	
40	**2**	**3**	**5**	0	**5**	
41	**2**	**2**	**3**	0	**3**	
42	0	0	**3**	0	**3**	
43	0	0	0	0	0	Closed
44	0	0	0	0	0	
45	0	0	0	0	0	
46	0	0	0	0	0	
47	0	0	0	0	0	
48	0	0	0	0	0	
49	0	0	0	0	0	
Total	**10**	**14**	**20**	**0**	**20**	

Recreational Regulations

Area	Section	Season	Daily Limit	Adult Bag Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention
Marine Area 2.1	Control Zone?	Date? - July 31	Same as Marine Area 2 - Daily limit 2. Only 1 may be a CHK. Release wild Coho.					
		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	**0**
	Hwy 6 upstream to Fork Creek	Aug. 16 - Jan. 31	6	2	Yes		0	**0**
	Fork Creek to Hwy 6 Br (near Lebam)	Oct. 31 - Jan. 31	6	2	No	-	0	**0**
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 Jan. 31	6	2	No	-	0	**0**
Fork Creek	Fork Crk Hatchery rack upstream 500' at the fishing boundary sign	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
North River	mouth upstream to Fall River	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
Smith Creek	mouth to Hwy 101 Bridge	Oct. 1 - Dec. 31	6	2	No		0	**0**
North Nemah River	Hwy 101 Br. to Nemah Valley Rd. Br.	Aug. 1 - Jan. 31	6	2	No	-	0	**0**
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	**0**
	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	**0**
Middle Nemah River	mouth to bridge on Middle Nemah A-line Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
Palix River	Hwy 101 to mouth of Middle Fork	Closed to salmon fishing						
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Closed to salmon fishing						
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	2	Yes		0	**0**
	from South Fork Naselle River upstream to attraction channel	Aug. 16 - Jan 31	6	2	No	-	0	**0**
	Attraction channel upstream to Crown Mainline Bridge	Oct 16 - Jan. 31	6	2	No	-	0	**0**
Bear River	mouth upstream to Lime Quarry Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**

* Seniors defined as 70 years old and over

2020 WILLAPA BAY FISHERY SUMMARY

Model E

CHINOOK

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583

	HATCHERY					NATURAL				
	Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	2,181	2,181	116	55	2,011	0	0	0	0	0
Commercial Impacts						274	229	71	2	155
Commercial Harvest Rate (HR)		0.077	0.063	0.003	0.188		0.078	0.036	0.005	0.267
Recreational Marine Catch		2,397	582	9	1,803		140	121	0	19
Marine HR		0.085	0.315	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		2,567	98	1,906	562		38	29	3	6
FW HR		0.091	0.053	0.121	0.053		0.013	0.015	0.010	0.010
Expected Escapement		21,126	1,049	13,773	6,307		**2,508**	1,752	353	403
Total Exploitation Rate		0.253	0.432	0.125	0.410		**0.139**	0.112	0.015	0.309

Total Commercial Days Scheduled

Stat Week	2T	2U	2N	2R	2M	
32	0	0	0	0	0	Closed
33	0	0	0	0	0	
34	0	0	0	0	0	
35	0	0	0	0	0	
36	0	0	0	0	0	
37	0	0	**2**	0	**1**	12 hr openings, CHK MSF & Chum Retention allowed, Gillnet small mesh gear
38	0	0	**5**	0	**5**	
39	0	0	**5**	0	**5**	
40	**3**	**3**	**5**	0	**5**	
41	**3**	**4**	**5**	0	**5**	
42	0	0	**5**	0	**5**	
43	0	0	0	0	0	Closed
44	0	0	0	0	0	
45	0	0	0	0	0	
46	0	0	0	0	0	
47	0	0	0	0	0	
48	0	0	0	0	0	
49	0	0	0	0	0	
Total	**6**	**7**	**27**	**0**	**26**	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,310	7,244	0	33,066	16,059	8,668	3,780	3,610

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	5,652	483	0	5,169	1,454	610	271	573
Commercial Harvest Rate (HR)	0.140	0.067	0.000	0.156	0.091	0.070	0.072	0.159
Recreational Marine Catch	2,726	490	0	2236	916	364	422	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	2,126	183	0	1943	50	41	0	9
FW HR	0.053	0.025	0.000	0.059	0.060	0.005	0.000	0.002
Expected Escapement	29,807				**13,639**			
Total Exploitation Rate	26.1%				15.1%			

	TOTAL CHUM	
2020 Pre-Season Runsize	40,804	
Commercial Catch	3,602	
Commercial Harvest Rate (HR)	0.088	
Recreational Marine Catch	121	Recreational Retention allowed
Marine HR	0.003	
Recreational Freshwater Catch	165	Recreational Retention allowed
FW HR	0.004	
Expected Escapement	36,916	
Total Exploitation Rate	**9.5%**	

Recreational Regulations

Area	Section	Season	Daily Limit	Adult Bag Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention
Marine Area 2.1	Control Zone?	Date? - July 31	Same as Marine Area 2 - Daily limit 2. Only 1 may be a CHK. Release wild Coho.					
		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	**0**
	Hwy 6 upstream to Fork Creek	Aug. 16 - Jan. 31	6	2	Yes		0	**0**
	Fork Creek to Hwy 6 Br (near Lebam)	Oct. 31 - Jan. 31	6	2	No	-	0	**0**
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 Jan. 31	6	2	No	-	0	**0**
Fork Creek	Fork Crk Hatchery rack upstream 500' at the fishing boundary sign	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
North River	mouth upstream to Fall River	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
Smith Creek	mouth to Hwy 101 Bridge	Oct. 1 - Dec. 31	6	2	No		0	**0**
North Nemah River	Hwy 101 Br. to Nemah Valley Rd. Br.	Aug. 1 - Jan. 31	6	2	No	-	0	**0**
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	**0**
	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	**0**
Middle Nemah River	mouth to bridge on Middle Nemah A-line Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
Palix River	Hwy 101 to mouth of Middle Fork	Closed to salmon fishing						
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Closed to salmon fishing						
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	2	Yes		0	**0**
	from South Fork Naselle River upstream to attraction channel	Aug. 16 - Jan 31	6	2	No	-	0	**0**
	Attraction channel upstream to Crown Mainline Bridge	Oct 16 - Jan. 31	6	2	No	-	0	**0**
Bear River	mouth upstream to Lime Quarry Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**

* Seniors defined as 70 years old and over

2020 WILLAPA BAY FISHERY SUMMARY

Model F

CHINOOK

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583

	HATCHERY					NATURAL				
	Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	2,406	2,406	294	48	2,064	0	0	0	0	0
Commercial Impacts						287	231	113	1	117
Commercial Harvest Rate (HR)		0.085	0.159	0.003	0.193		0.079	0.057	0.004	0.200
Recreational Marine Catch		2,397	582	9	1,803		140	121	0	19
Marine HR		0.085	0.315	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		2,567	98	1,906	562		38	29	3	6
FW HR		0.091	0.053	0.121	0.053		0.013	0.015	0.010	0.010
Expected Escapement		20,901	871	13,780	6,253		**2,505**	1,710	353	442
Total Exploitation Rate		0.261	0.528	0.125	0.415		**0.140**	0.133	0.014	0.242

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,310	7,244	0	33,066	16,059	8,668	3,780	3,610

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	5,432	806	0	4,626	994	346	207	441
Commercial Harvest Rate (HR)	0.135	0.111	0.000	0.140	0.062	0.040	0.055	0.122
Recreational Marine Catch	2,726	490	0	2236	916	364	422	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	2,126	183	0	1943	50	41	0	9
FW HR	0.053	0.025	0.000	0.059	0.060	0.005	0.000	0.002
Expected Escapement	30,027				**14,099**			
Total Exploitation Rate	25.5%				12.2%			

	TOTAL CHUM	
2020 Pre-Season Runsize	40,804	
Commercial Catch	128	
Commercial Harvest Rate (HR)	0.003	
Recreational Marine Catch	121	Recreational Retention allowed
Marine HR	0.003	
Recreational Freshwater Catch	180	Recreational Retention allowed
FW HR	0.004	
Expected Escapement	40,374	
Total Exploitation Rate	**1.1%**	

Total Commercial Days Scheduled

Stat Week	2T	2U	2N	2R	2M	
32	0	0	0	0	0	Closed
33	0	0	0	0	0	
34	0	0	0	0	0	
35	0	0	0	0	0	
36	0	0	0	0	0	
37	0	0	**3**	0	0	12 hr openings, CHK MSF & Chum Retention allowed, Gillnet small mesh gear
38	**2**	**2**	**5**	0	**5**	
39	**2**	**2**	**5**	0	**4**	
40	**3**	**2**	**5**	0	**5**	
41	0	0	0	0	0	Closed
42	0	0	0	0	0	
43	0	0	0	0	0	
44	0	0	0	0	0	
45	0	0	0	0	0	
46	0	0	0	0	0	
47	0	0	0	0	0	
48	0	0	0	0	0	
49	0	0	0	0	0	
Total	**7**	**6**	**18**	**0**	**14**	

Recreational Regulations

Area	Section	Season	Daily Limit	Adult Bag Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention
Marine Area 2.1	Control Zone?	Date? - July 31	Same as Marine Area 2 - Daily limit 2. Only 1 may be a CHK. Release wild Coho.					
		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	**0**
	Hwy 6 upstream to Fork Creek	Aug. 16 - Jan. 31	6	2	Yes		0	**0**
	Fork Creek to Hwy 6 Br (near Lebam)	Oct. 31 - Jan. 31	6	2	No	-	0	**0**
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 Jan. 31	6	2	No	-	0	**0**
Fork Creek	Fork Crk Hatchery rack upstream 500' at the fishing boundary sign	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
North River	mouth upstream to Fall River	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
Smith Creek	mouth to Hwy 101 Bridge	Oct. 1 - Dec. 31	6	2	No		0	**0**
North Nemah River	Hwy 101 Br. to Nemah Valley Rd. Br.	Aug. 1 - Jan. 31	6	2	No	-	0	**0**
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	**0**
	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	**0**
Middle Nemah River	mouth to bridge on Middle Nemah A-line Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
Palix River	Hwy 101 to mouth of Middle Fork	Closed to salmon fishing						
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Closed to salmon fishing						
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	2	Yes		0	**0**
	from South Fork Naselle River upstream to attraction channel	Aug. 16 - Jan 31	6	2	No	-	0	**0**
	Attraction channel upstream to Crown Mainline Bridge	Oct 16 - Jan. 31	6	2	No	-	0	**0**
Bear River	mouth upstream to Lime Quarry Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**

* Seniors defined as 70 years old and over

2020 WILLAPA BAY FISHERY SUMMARY

Model G Advisor Proposal #1

CHINOOK

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583

	HATCHERY					NATURAL				
	Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	3,756	3,756	473	76	3,208	0	0	0	0	0
Commercial Impacts						302	249	109	2	138
Commercial Harvest Rate (HR)		0.133	0.256	0.005	0.300		0.086	0.056	0.005	0.237
Recreational Marine Catch		2,397	582	9	1,803		140	121	0	19
Marine HR		0.085	0.315	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		2,228	45	1,906	276		19	13	3	3
FW HR		0.079	0.025	0.121	0.026		0.007	0.007	0.010	0.005
Expected Escapement		19,890	745	13,752	5,396		**2,505**	1,729	353	423
Total Exploitation Rate		0.296	0.596	0.126	0.495		**0.140**	0.124	0.014	0.275

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,310	7,244	0	33,066	16,059	8,668	3,780	3,610

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	6,533	1,350	0	5,183	1,388	659	230	499
Commercial Harvest Rate (HR)	0.162	0.186	0.000	0.157	0.086	0.076	0.061	0.138
Recreational Marine Catch	2,726	490	0	2236	916	364	422	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	1,021	74	0	948	21	17	0	4
FW HR	0.025	0.010	0.000	0.029	0.058	0.002	0.000	0.001
Expected Escapement	30,029				**13,734**			
Total Exploitation Rate	25.5%				14.5%			

	TOTAL CHUM	
2020 Pre-Season Runsize	40,804	
Commercial Catch	1,336	
Commercial Harvest Rate (HR)	0.033	
Recreational Marine Catch	121	Recreational Retention allowed
Marine HR	0.003	
Recreational Freshwater Catch	175	Recreational Retention allowed
FW HR	0.004	
Expected Escapement	39,172	
Total Exploitation Rate	**4.0%**	

Total Commercial Days Scheduled

Stat Week	2T	2U	2N	2R	2M	
32	0	0	0	0	0	Closed
33	0	0	0	0	0	
34	0	0	0	0	0	
35	0	0	0	0	0	
36	0	0	0	0	0	12 hr openings, CHK MSF and Chum Retention allowed, Tangle Net.
37	**1**	**2**	**3**	0	**2**	
38	**3**	**2**	**4**	0	**4**	12 hr openings, CHK MSF & Chum Retention allowed, Gillnet small mesh gear, 2U Tangle Net
39	**3**	**2**	**4**	0	**4**	
40	**3**	**2**	**4**	0	**4**	
41	0	0	0	0	0	
42	0	0	0	0	0	Closed
43	0	0	0	0	0	
44	0	0	0	0	0	
45	**1**	**1**	**1**	0	**1**	24-hr days, Chinook MSF, Chum Retention allowed, Gillnet small mesh gear
46	**1**	**1**	**1**	0	**1**	
47	**1**	**1**	**1**	0	**1**	
48	**1**	**1**	**1**	0	**1**	
49	0	0	0	0	0	Closed
Total	**14**	**12**	**19**	**0**	**18**	

Recreational Regulations

Area	Section	Season	Daily Limit	Adult Bag Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention
Marine Area 2.1	Control Zone?	Date? - July 31	Same as Marine Area 2 - Daily limit 2. Only 1 may be a CHK. Release wild Coho.					
		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	1	Yes	2nd Bridge on Camp One Rd.	0	**0**
	Hwy 6 upstream to Fork Creek	Aug. 16 - Jan. 31	6	1	Yes		0	**0**
	Fork Creek to Hwy 6 Br (near Lebam)	Oct. 31 - Jan. 31	6	1	No	-	0	**0**
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 Jan. 31	6	1	No	-	0	**0**
Fork Creek	Fork Crk Hatchery rack upstream 500' at the fishing boundary sign	Oct. 1 - Jan. 31	6	1	No	-	0	**0**
North River	mouth upstream to Fall River	Oct. 1 - Jan. 31	6	1	No	-	0	**0**
Smith Creek	mouth to Hwy 101 Bridge	Oct. 1 - Dec. 31	6	1	No		0	**0**
North Nemah River	Hwy 101 Br. to Nemah Valley Rd. Br.	Aug. 1 - Jan. 31	6	2	No	-	0	**0**
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	**0**
	temporary weir upstream to Nemah Hat. Dam	Closed to ALL fishing						
	Nemah Hatchery dam upstream to N700 Rd	Oct. 1 - Jan. 31	6	1	No	-	0	**0**
Middle Nemah River	mouth to bridge on Middle Nemah A-line Rd	Sept. 1 - Jan. 31	6	1	No	-	0	**0**
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - Jan. 31	6	1	No	-	0	**0**
Palix River	Hwy 101 to mouth of Middle Fork	Closed to salmon fishing						
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Closed to salmon fishing						
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	1	Yes		0	**0**
	from South Fork Naselle River upstream to attraction channel	Aug. 16 - Jan 31	6	1	No	-	0	**0**
	Attraction channel upstream to Crown Mainline Bridge	Oct 16 - Jan. 31	6	1	No	-	0	**0**
Bear River	mouth upstream to Lime Quarry Rd	Sept. 1 - Jan. 31	6	1	No	-	0	**0**

* Seniors defined as 70 years old and over

2020 WILLAPA BAY FISHERY SUMMARY

Model H Advisor Proposal #2

CHINOOK

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583

	HATCHERY					NATURAL				
	Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	618	618	82	10	527	1	1	1	0	0
Commercial Impacts						61	48	24	0	24
Commercial Harvest Rate (HR)		0.022	0.044	0.001	0.049		0.017	0.012	0.001	0.042
Recreational Marine Catch		2,397	582	9	1,803		140	121	0	19
Marine HR		0.085	0.315	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		2,567	98	1,906	562		38	29	3	6
FW HR		0.091	0.053	0.121	0.053		0.013	0.015	0.010	0.010
Expected Escapement		22,689	1,083	13,817	7,791		**2,687**	1,799	354	534
Total Exploitation Rate		0.197	0.413	0.122	0.271		**0.078**	0.088	0.011	0.084

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,310	7,244	0	33,066	16,059	8,668	3,780	3,610

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	3,353	458	0	2,895	1,487	854	196	436
Commercial Harvest Rate (HR)	0.083	0.063	0.000	0.088	0.093	0.099	0.052	0.121
Recreational Marine Catch	2,726	490	0	2236	916	364	422	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	2,126	183	0	1943	50	41	0	9
FW HR	0.053	0.025	0.000	0.059	0.060	0.005	0.000	0.002
Expected Escapement	32,106				**13,606**			
Total Exploitation Rate	20.4%				15.3%			

	TOTAL CHUM	
2020 Pre-Season Runsize	40,804	
Commercial Catch	3,656	
Commercial Harvest Rate (HR)	0.090	
Recreational Marine Catch	121	Recreational Retention allowed
Marine HR	0.003	
Recreational Freshwater Catch	165	Recreational Retention allowed
FW HR	0.004	
Expected Escapement	36,863	
Total Exploitation Rate	**9.7%**	

Total Commercial Days Scheduled

Stat Week	2T	2U	2N	2R	2M	
32	0	0	0	0	0	Closed
33	0	0	0	0	0	
34	0	0	0	0	0	
35	0	0	0	0	0	
36	0	0	0	0	0	Closed
37	0	0	0	0	0	
38	**2**	0	**2**	0	**2**	12 hr openings, CHK MSF & Chum Retention allowed, Tangle net gear. Area 2U Closed
39	**2**	0	**2**	0	**2**	
40	**3**	0	**3**	0	**3**	12 hr openings, CHK MSF & Chum Retention allowed, Gillnet small mesh gear
41	**2**	0	**2**	0	**2**	
42	0	0	0	0	0	Closed
43	0	0	0	0	0	
44	0	0	0	0	0	
45	**4**	**3**	**4**	0	**4**	24-hr days, Chinook MSF, Chum Release required, Gillnet, small mesh gear
46	**4**	**2**	**4**	0	**4**	
47	**5**	**5**	**5**	**5**	**5**	
48	**5**	**5**	**5**	**5**	**5**	
49	0	0	0	0	0	Closed
Total	**27**	**15**	**27**	**10**	**27**	

Recreational Regulations

Area	Section	Season	Daily Limit	Adult Bag Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention
Marine Area 2.1	Control Zone?	Date? - July 31	Same as Marine Area 2 - Daily limit 2. Only 1 may be a CHK. Release wild Coho.					
		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	**0**
	Hwy 6 upstream to Fork Creek	Aug. 16 - Jan. 31	6	2	Yes		0	**0**
	Fork Creek to Hwy 6 Br (near Lebam)	Oct. 31 - Jan. 31	6	2	No	-	0	**0**
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 Jan. 31	6	2	No	-	0	**0**
Fork Creek	Fork Crk Hatchery rack upstream 500' at the fishing boundary sign	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
North River	mouth upstream to Fall River	Oct. 1 - Jan. 31	6	2	No	-	0	**0**
Smith Creek	mouth to Hwy 101 Bridge	Oct. 1 - Dec. 31	6	2	No		0	**0**
North Nemah River	Hwy 101 Br. to Nemah Valley Rd. Br.	Aug. 1 - Jan. 31	6	2	No	-	0	**0**
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	**0**
	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	**0**
Middle Nemah River	mouth to bridge on Middle Nemah A-line Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - Jan. 31	6	2	No	-	0	**0**
Palix River	Hwy 101 to mouth of Middle Fork	Closed to salmon fishing						
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Closed to salmon fishing						
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	2	Yes		0	**0**
	from South Fork Naselle River upstream to attraction channel	Aug. 16 - Jan 31	6	2	No	-	0	**0**
	Attraction channel upstream to Crown Mainline Bridge	Oct 16 - Jan. 31	6	2	No	-	0	**0**
Bear River	mouth upstream to Lime Quarry Rd	Sept. 1 - Jan. 31	6	2	No	-	0	**0**

* Seniors defined as 70 years old and over

2020 WILLAPA BAY FISHERY SUMMARY

Model I Advisor Proposal #3

CHINOOK

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	28,271	1,845	15,743	10,683	2,914	1,973	358	583

	HATCHERY					NATURAL				
	Total Hatchery	WB Origin	Willapa North	Nemah Palix	Naselle Bear	Total Natural	WB Origin	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	1,168	1,168	272	15	881	0	0	0	0	0
Commercial Impacts						141	117	64	1	52
Commercial Harvest Rate (HR)		0.041	0.147	0.001	0.082		0.040	0.032	0.002	0.090
Recreational Marine Catch		2,397	582	9	1,803		140	121	0	19
Marine HR		0.085	0.315	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		2,351	45	1,906	400		22	13	3	6
FW HR		0.083	0.025	0.121	0.037		0.008	0.007	0.010	0.010
Expected Escapement		22,355	946	13,813	7,599		**2,635**	1,775	354	506
Total Exploitation Rate		0.209	0.487	0.123	0.289		**0.096**	0.100	0.011	0.132

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,310	7,244	0	33,066	16,059	8,668	3,780	3,610

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	4,438	994	0	3,443	1,281	744	175	362
Commercial Harvest Rate (HR)	0.110	0.137	0.000	0.104	0.080	0.086	0.046	0.100
Recreational Marine Catch	2,726	490	0	2236	916	364	422	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	2,016	74	0	1943	253	165	2	85
FW HR	0.050	0.010	0.000	0.059	0.073	0.019	0.001	0.024
Expected Escapement	31,130				**13,609**			
Total Exploitation Rate	22.8%				15.3%			

	TOTAL CHUM	
2020 Pre-Season Runsize	40,804	
Commercial Catch	3,075	
Commercial Harvest Rate (HR)	0.075	
Recreational Marine Catch	121	Recreational Retention allowed
Marine HR	0.003	
Recreational Freshwater Catch	167	Recreational Retention allowed
FW HR	0.004	
Expected Escapement	37,440	
Total Exploitation Rate	**8.2%**	

Total Commercial Days Scheduled

Stat Week	2T	2U	2N	2R	2M	
32	0	0	0	0	0	Closed
33	0	0	0	0	0	
34	0	0	0	0	0	
35	0	0	0	0	0	
36	0	0	0	0	0	Closed
37	0	0	0	0	0	
38	**2**	**2**	**3**	0	**3**	12 hr openings, CHK MSF & Chum Retention allowed, Gillnet small mesh gear, 2U Tangle Net
39	**3**	**3**	**3**	0	**3**	
40	**2**	**2**	**2**	0	**2**	
41	**1**	**1**	**1**	0	**1**	
42	0	0	**3**	0	**3**	
43	0	0	0	0	0	Closed
44	0	0	0	0	0	
45	**1**	**1**	**1**	0	**1**	24-hr days, Chinook MSF, Chum Retention allowed, Gillnet small mesh gear
46	**2**	**2**	**2**	0	**2**	
47	**2**	**2**	**2**	0	**2**	
48	**2**	**2**	**2**	0	**2**	
49	0	0	0	0	0	Closed
Total	**15**	**15**	**19**	**0**	**19**	

Recreational Regulations

Area	Section	Season	Daily Limit	Adult Bag Limit	2-Pole	2-Pole Upper Extent	Natural CHK Retention	Natural Coho Retention
Marine Area 2.1	Control Zone: Open	Date? - July 31	Same as Marine Area 2 - Daily limit 2. Only 1 may be a CHK. Release wild Coho.					
		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	1	Yes	2nd Bridge on Camp One Rd.	0	**0**
	Hwy 6 upstream to Fork Creek	Aug. 16 - Jan. 31	6	1	Yes		0	**0**
	Fork Creek to Hwy 6 Br (near Lebam)	Oct. 31 - Jan. 31	6	1	No	-	0	**0**
SF Willapa River	mouth to bridge on Pehl Rd	Aug. 1 Jan. 31	6	1	No	-	0	**0**
Fork Creek	Fork Crk Hatchery rack upstream 500' at the fishing boundary sign	Oct. 1 - Jan. 31	6	1	No	-	0	**0**
North River	mouth upstream to Fall River	Oct. 1 - Jan. 31	6	1	No	-	0	**0**
Smith Creek	mouth to Hwy 101 Bridge	Oct. 1 - Dec. 31	6	1	No		0	**0**
North Nemah River	Hwy 101 Br. to Nemah Valley Rd. Br.	Aug. 1 - Jan. 31	6	2	No	-	0	**0**
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 5, Seniors Only*	6	2	No	-	0	**0**
	temporary weir upstream to Nemah Hat. Dam	Closed to ALL fishing						
	Nemah Hatchery dam upstream to N700 Rd	Oct. 1 - Jan. 31	6	1	No	-	0	**0**
Middle Nemah River	mouth to bridge on Middle Nemah A-line Rd	Sept. 1 - Jan. 31	6	1	No	-	0	**0**
South Nemah River	mouth to confluence with Middle Nemah R.	Sept. 1 - Jan. 31	6	1	No	-	0	**0**
Palix River	Hwy 101 to mouth of Middle Fork	Closed to salmon fishing						
Niawiakum River	Hwy 101 Br. To the S. Bend/Palix Rd Br	Closed to salmon fishing						
Naselle River	mouth (Hwy 101) upstream to South Fork Naselle River	Aug. 1 - Jan. 31	6	2	Yes		0	**0**
	from South Fork Naselle River upstream to attraction channel	Aug. 16 - Jan 31	6	2	No	-	0	**0**
	Attraction channel upstream to Crown Mainline Bridge	Oct 16 - Jan. 31	6	2	No	-	0	**0**
Bear River	mouth upstream to Lime Quarry Rd	Sept. 1 - Jan. 31	6	1	No	-	0	**0**

* Seniors defined as 70 years old and over