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		2,401	583	9	1,806		140	121	0	19
Marine HR		0.085	0.316	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		6,717	142	5,068	1,508		96	44	39	13
FW HR		0.238	0.077	0.322	0.141		0.033	0.022	0.110	0.022
Expected Escapement		14,854	416	10,592	3,849		2,316	1,588	317	411
Total Exploitation Rate		0.475	0.775	0.327	0.640		0.205	0.195	0.115	0.294

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	10,295	2,483	0	7,812	3,483	2,109	434	939
Commercial Harvest Rate (HR)	0.254	0.341	0.000	0.235	0.216	0.242	0.114	0.259
Recreational Marine Catch	2,737	492	0	2245	919	365	423	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	3,027	899	64.0478	2065	888	591	7	290
FW HR	0.075	0.124	0.000	0.062	0.112	0.068	0.002	0.080
Expected Escapement	24,429				10,831			
Total Exploitation Rate	39.7%				32.8%			

	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 & 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**	

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		2,401	583	9	1,806		140	121	0	19
Marine HR		0.085	0.316	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		6,717	142	5,068	1,508		96	44	39	13
FW HR		0.238	0.077	0.322	0.141		0.033	0.022	0.110	0.022
Expected Escapement		14,854	416	10,592	3,849		2,316	1,588	317	411
Total Exploitation Rate		0.475	0.775	0.327	0.640		0.205	0.195	0.115	0.294

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**	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	10,295	2,483	0	7,812	3,483	2,109	434	939
Commercial Harvest Rate (HR)	0.254	0.341	0.000	0.235	0.216	0.242	0.114	0.259
Recreational Marine Catch	2,737	492	0	2245	919	365	423	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	3,027	899	64.04781	2065	89	59	1	29
FW HR	0.075	0.124	0.000	0.062	0.063	0.007	0.000	0.008
Expected Escapement	24,429				11,630			
Total Exploitation Rate	39.7%				27.9%			

	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	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		818	198	3	615		48	41	0	7
Marine HR		0.029	0.108	0.000	0.058		0.016	0.021	0.000	0.011
Recreational Freshwater Catch		3,674	65	2,868	740		49	20	22	6
FW HR		0.130	0.035	0.182	0.069		0.017	0.010	0.062	0.011
Expected Escapement		20,021	1,152	12,793	6,076		2,479	1,783	333	363
Total Exploitation Rate		0.292	0.375	0.187	0.431		0.149	0.096	0.069	0.378

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	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	7,220	1,377	0	5,843	1,910	1,000	290	620
Commercial Harvest Rate (HR)	0.178	0.189	0.000	0.176	0.119	0.115	0.077	0.171
Recreational Marine Catch	984	177	0	807	330	131	152	47
Marine HR	0.024	0.024	0.000	0.024	0.020	0.015	0.040	0.013
Recreational Freshwater Catch	1,486	441	31.4436	1014	436	290	3	143
FW HR	0.037	0.061	0.000	0.031	0.048	0.033	0.001	0.039
Expected Escapement	30,797				13,444			
Total Exploitation Rate	23.9%				16.6%			

	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%	

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		2,401	583	9	1,806		140	121	0	19
Marine HR		0.085	0.316	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		7,357	142	5,068	2,148		96	44	39	13
FW HR		0.260	0.077	0.322	0.201		0.033	0.022	0.110	0.022
Expected Escapement		16,724	669	10,644	5,413		2,461	1,674	318	470
Total Exploitation Rate		0.408	0.637	0.324	0.493		0.155	**0.152**	0.113	**0.194**

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**	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	6,941	1,507	0	5,434	1,488	716	248	524
Commercial Harvest Rate (HR)	0.171	0.207	0.000	0.164	0.092	0.082	0.065	0.145
Recreational Marine Catch	2,738	492	0	2246	920	365	424	131
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	3,027	899	64.04781	2065	89	59	1	29
FW HR	0.075	0.124	0.000	0.062	0.063	0.007	0.000	0.008
Expected Escapement	27,781				**13,625**			
Total Exploitation Rate	31.4%				15.5%			

	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%**	

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		2,401	583	9	1,806		140	121	0	19
Marine HR		0.085	0.316	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		6,717	142	5,068	1,508		96	44	39	13
FW HR		0.238	0.077	0.322	0.141		0.033	0.022	0.110	0.022
Expected Escapement		16,971	1,004	10,611	5,359		2,449	1,737	317	396
Total Exploitation Rate		0.400	0.456	0.326	0.498		0.159	0.120	0.116	0.321

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	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	5,677	485	0	5,192	1,459	613	272	575
Commercial Harvest Rate (HR)	0.140	0.067	0.000	0.156	0.091	0.070	0.072	0.159
Recreational Marine Catch	2,737	492	0	2245	919	365	423	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	3,027	899	64.04781	2065	89	59	1	29
FW HR	0.075	0.124	0.000	0.062	0.063	0.007	0.000	0.008
Expected Escapement	29,047				13,654			
Total Exploitation Rate	28.3%				15.3%			

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

Recreational Retention allowed

Recreational Retention allowed

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		2,401	583	9	1,806		140	121	0	19
Marine HR		0.085	0.316	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		6,717	142	5,068	1,508		96	44	39	13
FW HR		0.238	0.077	0.322	0.141		0.033	0.022	0.110	0.022
Expected Escapement		16,746	826	10,618	5,305		2,447	1,695	317	435
Total Exploitation Rate		0.408	0.552	0.326	0.503		0.160	**0.141**	0.114	**0.254**

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**	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624
Post Ocean Fisheries								

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	5,455	810	0	4,646	998	347	208	443
Commercial Harvest Rate (HR)	0.135	0.111	0.000	0.140	0.062	0.040	0.055	0.122
Recreational Marine Catch	2,737	492	0	2245	919	365	423	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	3,027	899	64.04781	2065	89	59	1	29
FW HR	0.075	0.124	0.000	0.062	0.063	0.007	0.000	0.008
Expected Escapement	29,268				**14,115**			
Total Exploitation Rate	27.7%				12.4%			

	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%**	

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		2,401	583	9	1,806		140	121	0	19
Marine HR		0.085	0.316	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		6,188	65	5,068	1,055		66	20	39	6
FW HR		0.219	0.035	0.322	0.099		0.023	0.010	0.110	0.011
Expected Escapement		15,926	724	10,591	4,614		2,458	1,722	317	419
Total Exploitation Rate		0.437	0.608	0.327	0.568		0.156	**0.127**	0.115	**0.281**

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**	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	6,562	1,356	0	5,206	1,393	662	231	500
Commercial Harvest Rate (HR)	0.162	0.186	0.000	0.157	0.086	0.076	0.061	0.138
Recreational Marine Catch	2,737	492	0	2245	919	365	423	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	1,515	401	64.1143	921	44	29	0	14
FW HR	0.037	0.055	0.000	0.028	0.060	0.003	0.000	0.004
Expected Escapement	29,673				**13,765**			
Total Exploitation Rate	26.7%				14.6%			

	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%**	

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		2,401	583	9	1,806		140	121	0	19
Marine HR		0.085	0.316	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		6,717	142	5,068	1,508		96	44	39	13
FW HR		0.238	0.077	0.322	0.141		0.033	0.022	0.110	0.022
Expected Escapement		18,534	1,038	10,656	6,843		2,629	1,784	318	527
Total Exploitation Rate		0.344	0.437	0.323	0.359		0.098	**0.096**	0.111	**0.096**

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**	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	3,367	460	0	2,907	1,493	858	197	438
Commercial Harvest Rate (HR)	0.083	0.063	0.000	0.088	0.093	0.099	0.052	0.121
Recreational Marine Catch	2,737	492	0	2245	919	365	423	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	3,027	899	64.04781	2065	89	59	1	29
FW HR	0.075	0.124	0.000	0.062	0.063	0.007	0.000	0.008
Expected Escapement	31,356				**13,620**			
Total Exploitation Rate	22.6%				15.5%			

	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%**	

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		2,401	583	9	1,806		140	121	0	19
Marine HR		0.085	0.316	0.001	0.169		0.048	0.061	0.000	0.033
Recreational Freshwater Catch		6,641	65	5,068	1,508		72	20	39	13
FW HR		0.235	0.035	0.322	0.141		0.025	0.010	0.110	0.022
Expected Escapement		18,061	925	10,651	6,488		2,585	1,768	318	499
Total Exploitation Rate		0.361	0.499	0.323	0.393		0.113	**0.104**	0.112	**0.144**

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**	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624
Post Ocean Fisheries								

	HATCHERY				NATURAL			
	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
Commercial Catch	4,457	999	0	3,458	1,286	747	176	363
Commercial Harvest Rate (HR)	0.110	0.137	0.000	0.104	0.080	0.086	0.046	0.100
Recreational Marine Catch	2,737	492	0	2245	919	365	423	130
Marine HR	0.068	0.068	0.000	0.068	0.057	0.042	0.112	0.036
Recreational Freshwater Catch	2,619	408	58.1818	1875	60	29	1	29
FW HR	0.065	0.056	0.000	0.056	0.061	0.003	0.000	0.008
Expected Escapement	30,674				**13,856**			
Total Exploitation Rate	24.2%				14.0%			

	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%**	

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

2020 WILLAPA BAY FISHERY SUMMARY

Model J

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		818	198	3	615		48	41	0	7
Marine HR		0.029	0.108	0.000	0.058		0.016	0.021	0.000	0.011
Recreational Freshwater Catch		3,988	65	2,868	1,055		49	20	22	6
FW HR		0.141	0.035	0.182	0.099		0.017	0.010	0.062	0.011
Expected Escapement		19,706	1,152	12,793	5,762		2,479	1,783	333	363
Total Exploitation Rate		0.303	0.375	0.187	0.461		0.149	**0.096**	0.069	**0.378**

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**	

COHO

	Total Hatchery	Willapa North	Nemah Palix	Naselle Bear	Total Natural	Willapa North	Nemah Palix	Naselle Bear
2020 Pre-Season Runsize	40,487	7,276	0	33,211	16,121	8,702	3,795	3,624

Post Ocean Fisheries

	HATCHERY				NATURAL			
	Total Hatchery	**Willapa North**	**Nemah Palix**	**Naselle Bear**	**Total Natural**	**Willapa North**	**Nemah Palix**	**Naselle Bear**
Commercial Catch	7,220	1,377	0	5,843	1,910	1,000	290	620
Commercial Harvest Rate (HR)	0.178	0.189	0.000	0.176	0.119	0.115	0.077	0.171
Recreational Marine Catch	984	177	0	807	330	131	152	47
Marine HR	0.024	0.024	0.000	0.024	0.020	0.015	0.040	0.013
Recreational Freshwater Catch	1,486	441	31.4436	1014	44	29	0	14
FW HR	0.037	0.061	0.000	0.031	0.023	0.003	0.000	0.004
Expected Escapement	30,797				**13,837**			
Total Exploitation Rate	23.9%				14.2%			

	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%**	

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