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From: Willapa Bay (DFW)
Sent: Thursday, August 18, 2022 2:15 PM
Subject: 2022 Willapa Bay fisheries update Aug 8 - 14 - week 33
Attachments: 2022 WB Marine Area Recreational Data & Catch Estimate Summary Draft 08.16.2022.pdf; Naselle Hatchery Adult CHK Summary 08.18.2022.pdf; 2022 WB Hatchery Chinook Eggtake 08.18.2022.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Everyone,

If you have any questions or comments regarding any of the information provided through these emails for the 2022 season, please reply to this email and/or contact the regional staff directly at the Montesano office (360-249-4628).

Recreational Marine Area Fishery

Since our last update, there has been a slight increase in effort but a decline in the total number of fish that have been caught. There was a tie for effort on Friday, August 12, and Sunday, August 14, but this was only slightly higher than the previous week. For this past week, there were late morning and early afternoon tides with larger tidal exchanges that included minus tides at low water. Those tides continued through Monday, August 15, but we started to transition back into morning tides for the next few days that are more favorable to salmon fishing in the Willapa Bay marine area. There were an estimated 23 hatchery Chinook salmon, two hatchery coho, and two wild coho landed for the week of August 8 – 14. There were also an estimated six wild Chinook salmon released by anglers for that same timeframe. (See *attachment: 2022 WB Marine Area Recreational Data & Catch Estimate Summary Draft 08.16.2022.pdf*)

For the upcoming week, August 15 – 21, there will be favorable morning tides with smaller tidal exchanges through Saturday, August 20. The weather is also going to cool off over the next week, which may help cool the overall water temperature and contribute to more fish biting for that early morning tide.

There was an emergency regulation issued yesterday, August 17, for Ocean Area 2 regarding Chinook retention for the remainder of the salmon season. Please see our emergency rules page of our website for details [Emergency fishing and shellfishing rules | Washington Department of Fish & Wildlife](#)

If you are interested in any data collected by the Ocean Sampling Program for Ocean Areas 1- 4, you can find those data on our website at [Ocean sport salmon quota report | Washington Department of Fish & Wildlife](#)

Spawning Ground Surveys

During last week's stream surveys below the weir in Nemah and Naselle rivers, there were approximately 50 Chinook salmon staging in the Naselle River and 70 in the Nemah River. At

this point, we have not observed any spawning or redds in either of these river sections. Salmon spawner surveys will continue weekly as we move forward through the fall season.

Hatchery Chinook Rack Returns

Naselle River Hatchery

To-date, 46 adult and four jack Chinook salmon (all hatchery origin) have volunteered into the attraction channel and recruited into the hatchery. There have been three unmarked Chinook salmon that have volunteered into the hatchery at this point. Currently, there have been four Chinook salmon mortalities (all males) reported in the Naselle Hatchery. These data will be updated in the next weekly in-season email. (See attachment: *Naselle Hatchery Adult CHK Summary 08.18.2022.pdf* and *2022 WB Hatchery Chinook Eggtake 08.18.2022.pdf*)

Nemah and Forks Creek hatcheries

To-date, no Chinook salmon have recruited into the hatchery.

As always, in-season data is preliminary and subject to change.

All data provided through these weekly email updates for the months of August and September will be posted to the Willapa Bay Marine Area 2.1 Recreational Creel Monitoring page of our website listed below.

If you have any comments or questions specific to the information provided in these emails, please submit your comments to WillapaBay@dfw.wa.gov.

Additionally, if you know of anyone who might be interested in receiving these in-season update emails or any other information staff send out regarding Willapa Bay fisheries, please forward this email and have them reply to WillapaBay@dfw.wa.gov stating they would like to be added to our email distribution list.

Thank you and Fish On! ><(((°>
Barbara

Online reference links you may be interested in:

Willapa Bay Marine Area 2.1 Recreational Creel Monitoring: [Willapa Bay Recreational Salmon Reports | Washington Department of Fish & Wildlife](#)

Willapa Bay and Grays Harbor (non-treaty) Commercial Salmon fisheries (Regulations and landed catch): [Commercial Willapa Bay and Grays Harbor Gillnet Salmon Fishery | Washington Department of Fish & Wildlife](#)

In-season Estimates of Effort and Salmon Catch

updated 8/18/2022

2022 Willapa Bay Marine Area Recreational Mark Selective Chinook and Coho Fishery

All data is preliminary and subject to change

Marked = Adipose fin clipped

Unmarked = Adipose fin not clipped

WB = Willapa Bay

Month	Week	Dates	Regulation	Estimated Catch					
				Estimated		Retained Chinook		Retained Coho	
				Boats	Anglers	Unmarked	Marked	Unmarked	Marked
July (Ocean Area 2 rules)	27	July 2-3	2 fish, 1 Chinook, No wild Coho retention allowed	13	38	4	3	0	7
	28	July 4 - 10		27	55	0	0	0	7
	29	July 11 - 17		14	34	3	1	0	12
	30	July 18 - 24		46	99	1	7	0	6
	31	July 25 - 31		80	180	0	13	0	6
Total to Date				180	406	8	24	0	38

Estimated Willapa origin Chinook Impacts	
Unmarked	Marked
1	1
0	0
1	0
0	2
0	4
2	7

Foruly, dockside sampling was conducted only at the Tokeland boat launch and marina

Month	Week	Dates	Regulation	Estimated Catch						Estimated Encounters			Estimated Catch						
				Estimated		Retained Chinook				Released Chinook			Retained Coho						
				Boats	Anglers	Marked	Marked CPUE	Marked WB origin impacts	Unmarked	UM CPUE	UM WB origin impacts	Unmarked Encounters	UM CPUE	UM WB origin impacts	Marked	Marked CPUE	Unmarked	Unmarked CPUE	
August	32	Aug 1 - 7	6 fish daily, 2 adults, Release wild Chinook	168	356	39	0.108	24	0	0.000	0	3	0.009	0	0	0.000	0	0.000	
	33	Aug 8 - 14		214	470	23	0.050	14	0	0.000	0	6	0.013	1	2	0.003	2	0.003	
	34	Aug 15 - 21																	
	35	Aug 22 - 28																	
September	36	Aug 29 - Sept 4	6 fish daily, 2 adults, Release wild Chinook																
	37	Sept 5 - 11																	
	38	Sept 12 - 18																	
	39	Sept 19 - 25																	
	40	Sept 26 - 30																	
Total to Date				383	826	62		38	0		0	9		1	2		2		

These data represent the estimated expanded values (not raw data).

No jacks included in estimates.

For Aug and Sept., dockside sampling was conducted at Tokeland and South Bend

Strata 1 - Mon - Thurs

Strata 2 - Fri - Sun

CPUE = Catch per unit effort

Effort = An individual angler trip

2022 Willapa Bay Origin PreSeason Recreational Data

Preliminary/Draft
Updated 8/18/2022

Willapa Bay Natural-Origin Fall Chinook							Willapa Bay Hatchery-Origin Fall Chinook				
Mgmt Wk	Date	Harvest Rate Proportions	Preseason Prediction		In-season Estimate		Harvest Rate Proportions	Preseason Prediction		In-season Estimate	
			NOR	Cumulative Total	WB Origin	Cumulative Total		HOR	Cumulative Total	WB Origin	Cumulative Total
27	7/2 - 7/3	0.0308	2	2	1	1	0.0046	5	5	1	1
28	7/4 - 7/10	0.0185	1	3	0	1	0.0069	8	13	0	1
29	7/11 - 7/17	0.0875	6	9	1	2	0.0087	10	24	0	1
30	7/18 - 7/ 24	0.0543	4	13	0	3	0.0303	35	59	2	3
31	7/25 - 7/31	0.1060	7	20	0	3	0.0276	32	91	4	8
32	8/1 - 8/7	0.0776	5	25	0	3	0.1101	128	219	24	31
33	8/8 - 8/14	0.0839	6	31	1	3	0.1441	168	387	14	46
34	8/15 - 8/21	0.1364	9	40			0.2179	254	640		
35	8/22 - 8/28	0.1618	11	51			0.2391	278	919		
36	8/29 - 9/4	0.0931	6	58			0.1226	143	1,061		
37	9/5 - 9/11	0.0835	6	63			0.0631	73	1,135		
38	9/12 - 9/18	0.0203	1	65			0.0214	25	1,160		
39	9/19 - 9/25	0.0349	2	67			0.0012	1	1,161		
40	9/26 - 9/30	0.0117	1	68			0.0010	1	1,162		
			68		3	0.049	1,164			46	0.039

Naselle Hatchery Adult Chinook Rack Returns

Preliminary/DRAFT *

8/18/2022

Year	2019						2020						2021						2022*					
	Hatchery			Natural			Hatchery			Natural			Hatchery			Natural			Hatchery			Natural		
Stat Week	Weekly Total	Cumulative	% Run Timing	Weekly Total	Cumulative	% Run Timing	Weekly Total	Cumulative	% Run Timing	Weekly Total	Cumulative	% Run Timing	Weekly Total	Cumulative	% Run Timing	Weekly Total	Cumulative	% Run Timing	Weekly Total	Cumulative	% Run Timing	Weekly Total	Cumulative	% Run Timing
31	1	1	0%	1	1	1%	-	-		-	-			0		0			0		0			
32	9	10	0%	0	1	1%	-	-		-	-		1	1		0	0		9	9	20%	0	0	0.0%
33	23	33	1%	3	4	2%	17	17	0%	0	0	0%	28	29	0%	3	3	0%	6	15	33%	0	0	0.0%
34	48	81	3%	5	9	5%	59	76	1%	3	3	0%	63	92	1%	0	3	0%	31	46	100%	3	3	100.0%
35	145	226	9%	7	16	8%	52	128	2%	6	9	1%	50	142	2%	1	4	1%		46			3	
36	347	573	23%	24	40	20%	107	235	4%	5	14	2%	4	146	2%	0	4	1%		46			3	
37	373	946	38%	9	49	25%	649	884	13%	34	48	7%	73	219	3%	4	8	1%		46			3	
38	150	1,096	44%	0	49	25%	372	1256	19%	3	51	8%	242	461	6%	14	22	3%		46			3	
39	86	1,182	47%	12	61	31%	1,600	2856	43%	6	57	9%	3,000	3,461	42%	0	22	3%		46			3	
40	32	1,214	49%	11	72	37%	892	3748	56%	6	63	10%	962	4,423	53%	137	159	21%		46			3	
41	521	1,735	69%	41	113	58%	874	4622	69%	178	241	37%	940	5,363	64%	81	240	32%		46			3	
42	406	2,141	86%	17	130	66%	1122	5744	86%	228	469	72%	2304	7,667	92%	388	628	85%		46			3	
43	315	2,456	98%	59	189	96%	407	6151	92%	118	587	91%	306	7,973	96%	72	700	95%		46			3	
44	26	2,482	99%	5	194	99%	492	6643	99%	59	646	100%	230	8,203	98%	18	718	97%		46			3	
45	15	2,497	100%	1	195	99%	26	6669	100%	1	647	100%	88	8,291	99%	17	735	99%		46			3	
46	1	2,498	100%	0	195	99%	10	6679	100%	0	647	100%	36	8,327	100%	5	740	100%		46			3	
47	0	2,498	100%	1	196	100%	1	6680	100%	0	647		7	8,334	100%	0	740			46			3	
48	0	2,498	100%	0	196		0	6680		0	647		1	8,335		0	740			46			3	
49	2	2,500	100%	0	196		0	6680		0	647		0	8,335		0	740			46			3	
50	0			0	196		0	6680		0	647		0	8,335		0	740			46			3	
51	0			0	196		0	6680		0	647		0	8,335		0	740			46			3	
Total	2,500			196			6,680			647			8,335			740			46			3		

2022 Willapa Bay CHINOOK Broodstock Summary

FishBooks

updated 8/18/2022

preliminary/draft

Naselle Hatchery

Program Release	10% add'l for mortality	Total eggs needed	Fecundity # eggs/female	# of Females Needed	# Females Spawned to-date	# Females still needed	# Adults On-hand at the facility (males & females combined)	# Eggs on Hand	Mortalities (prior to spawning)		
									Females	Males	Jacks
5,000,000	500,000	5,500,000	3,000	1,833	0	1,833	42	0	0	4	0

Nemah Hatchery

Program Release	10% add'l for mortality	Total eggs needed	Fecundity # eggs/female	# of Females Needed	# Females Spawned to-date	# Females still needed	# Adults On-hand at the facility (males & females combined)	# Eggs on Hand	Mortalities (prior to spawning)		
									Females	Males	Jacks
3,300,000	330,000	3,630,000	3,000	1,210	0	1,210	0	0	0	0	0

Forks Creek Hatchery

Program Release	10% add'l for mortality	Total eggs needed	Fecundity # eggs/female	# of Females Needed	# Females Spawned to-date	# Females still needed	# Adults On-hand at the facility (males & females combined)	# Eggs on Hand	Mortalities (prior to spawning)		
									Females	Males	Jacks
400,000	40,000	440,000	3,000	147	0	147	0	0	0	0	0