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From: Willapa Bay (DFW)
Sent: Thursday, August 17, 2023 9:04 AM
Subject: 2023 Willapa Bay Fisheries Update - week 33 Aug 7 - 13
Attachments: 2023 WB Marine Area Recreational Catch Estimate Summary Draft 08.16.2023.pdf;
Naselle Hatchery Adult CHK Summary 08.15.2023.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Everyone,

If you have any questions or comments regarding any of the information provided through these emails for the 2023 salmon 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 update last week, there was a significant increase in effort and catch for statistical week 33, August 7 – 13. The highest effort and catch were recorded on Saturday, August 12. For this last week, there were morning and early afternoon high tides with larger tidal exchanges. These tides are continuing into this week but will also include some minus tides at low water. We will transition from these tides to the best fishable tides for salmon fishing in Willapa Bay for the month of August the week of August 20. Staff reported 39 Chinook salmon (all AD-clipped, hatchery fish) and 1 Ad-clipped coho landed last week inside Willapa Bay. (See *attachment: 2023 WB Marine Area Recreational Estimate Summary Draft Week 33 08.16.2023.pdf*)

For the upcoming week, August 14-20, there will be early afternoon high tides (1 p.m. – 5 p.m.) with larger tidal exchanges than the prior week but includes a few minus tides at low water earlier in the week.

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

Staff started weekly stream surveys on August 2nd below the weir in Nemah and Naselle rivers. We have observed roughly 83 Chinook salmon and one steelhead staging in the Naselle River, however, there have only been a few Chinook salmon observed in the Nemah River. There have also been a few Chinook carcasses found in Naselle River, but no Chinook carcasses have been found in Nemah River at this point. To-date, staff have not observed any spawning or redds in either of these river sections. Historically, Chinook salmon begin spawning in Willapa Bay rivers the middle of September.

Hatchery Chinook Rack Returns

Naselle River Hatchery

To-date, 198 adult and 25 jack hatchery Chinook salmon have volunteered into the attraction channel and recruited into the hatchery. There have also been eight unmarked, Chinook salmon (7 males, 1 female) that have volunteered into the hatchery at this point and all unmarked Chinook have been planted upstream above the hatchery. Currently, there have been no Chinook salmon mortalities reported in the Naselle Hatchery. These data will be updated in the next weekly in-season email. (See attachment: *Naselle Hatchery Adult CHK Summary 08.15.2023.pdf*)

Nemah and Forks Creek hatcheries

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

Commercial Fishery

The commercial fishery in Willapa Bay is scheduled to open on Sunday, August 20 at the south end of the bay using tangle net gear. Due to some scheduling issues, the Department has modified the fishery for this upcoming week by opening areas 2M and 2R on August 20 and closing all salmon fishing on August 25, 2023. An update from this now one-day opener will be provided in next week's weekly update email.

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](#)

2023 Willapa Bay Marine Area Recreational Catch Estimate

updated 8/16/2023

CHK = Chinook
AD = Adipose clipped (hatchery origin)
UM = Unmarked (natural origin)

CPUE = Catch per unit effort
Effort = An individual angler trip

Strata 1 - Mon - Thurs
Strata 2 - Fri - Sun

June-July (Ocean 2 Rules) Unmarked Chinook retention allowed

Mgmt Week	Expanded Data		Expanded Data - Chinook					Expanded Data - Coho				
	# Boats	# Anglers	Estimated Total Chinook Kept	Total Chinook CPUE	Estimated Total UM Chinook Kept	Willapa Origin Chinook UM Impacts	Estimated Total AD Chinook Kept	Willapa Origin Chinook AD Impacts	Estimated Total Coho Kept	Total Coho CPUE	Estimated Total UM Coho Kept	Estimated Total AD Coho Kept
26	6	14	3	0.214	0	0	3	1	2	0.143	0	2
27	8	19	5	0.263	3	1	2	1	1	0.053	0	1
28	14	23	0	0.000	0	0	0	0	0	0.000	0	0
29	19	49	7	0.143	2	1	5	2	7	0.143	0	7
30	23	64	11	0.172	6	2	5	2	26	0.406	0	26
31	48	116	10	0.086	4	1	6	2	22	0.190	0	22
32	4	6	0	0.000	0	0	0	0	0	0.000	0	0
Season Total	122	291	36	0.124	15	5	21	7	58	0.199	0	58

2 fish daily, only 1 Chinook allowed. No wild coho retention

Effective July 26, 2023, Friday and Saturdays. Release Chinook and wild coho.

Starting in 2021, we switched to electronic data collection. The raw, actual data is now produced from the uploads each day and week. A copy of the raw data is now stored in the Rec Fishery Monitoring/year/Data folder. These data for the table below can be found in the Rec Fishery Monitoring/year/Data/Weekly data summaries. Choose the data that matches the stat week.

August and September				Boats and Anglers						Chinook Retained - Illegal to retain				Chinook Released				Marked Coho			Unmarked Coho			Total Coho							
Mgmt Week - see raw data source	Dates	Strata	Strata Description	Actual Raw Data			Expanded			Actual Raw Data			Expanded			# CHK UM Released	CHK UM CPUE	Estimated Expanded CHK UM Encounters	Estimated Total CHK UM Impacts	# WB Origin CHK UM Impacts	# Coho AD Kept	Coho AD CPUE	Expanded # Coho AD Kept	# Coho UM Kept	Coho UM CPUE	Expanded # Coho UM Kept	Total Coho CPUE (AD+UM)	Total Expanded # Coho Kept (AD + UM)			
				# Boats Sampled	# Boats Not Sampled	# Total Boats	# Anglers Sampled	# Anglers per boat	Expanded # Total Boats	Sample Rate	# CHK AD Kept	CHK AD CPUE	Expanded # CHK AD Kept	# WB Origin CHK AD Impacts	# CHK UM Kept														CHK UM CPUE	Expanded # CHK UM Kept	
32	8/1 - 8/3	1	Mon - Thur	13	2	15	31	48%	29	2.23	70	2	0.069	5	3	0	0.000	0	1	0.034	2	0	0	0	0.000	0	0	0.000	0		
32	8/4 - 8/6	2	Fri - Sun	22	1	23	36	64%	43	1.95	70	2	0.047	3	2	0	0.000	0	0	0.000	0	0	0	0	0.000	0	0.047	3	0	0.000	0
33	8/7 - 8/10	1	Mon - Thur	46	4	50	100	50%	93	2.02	202	16	0.161	33	20	0	0.000	0	5	0.054	11	2	1	0	0.000	0	0	0.000	0	0.000	0
33	8/11 - 8/13	2	Fri - Sun	100	3	103	155	67%	219	2.19	338	24	0.110	37	23	0	0.000	0	4	0.018	6	1	1	1	0.005	2	0	0.000	0	0.005	2
34	8/14 - 8/17	1	Mon - Thur																												
34	8/18 - 8/20	2	Fri - Sun																												
35	8/21 - 8/24	1	Mon - Thur																												
35	8/25 - 8/27	2	Fri - Sun																												
36	8/28 - 8/31	1	Mon - Thur																												
36	9/1 - 9/3	2	Fri - Sun																												
37	9/4 - 9/7	1	Mon - Thur																												
37	9/8 - 9/10	2	Fri - Sun																												
38	9/11 - 9/14	1	Mon - Thur																												
38	9/15 - 9/17	2	Fri - Sun																												
39	9/18 - 9/21	1	Mon - Thur																												
39	9/22 - 9/24	2	Fri - Sun																												
40	9/25 - 9/28	1	Mon - Thur																												
40	9/29 - 9/30	2	Fri - Sat																												
TOTALS				181	10	191	322		384	2.12	681	43	0.112	78	47	0	0.000	0	10	0.026	19	3	2	3	0.008	5	0	0.000	0	0.008	5

2023 Willapa Bay Origin PreSeason Recreational Data

Preliminary/Draft
Updated 8/16/2023

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
26/27	June 24 - July 2	0.0109	0	0	1	1	0.0051	3	3	1	1
28	July 3 - 9	0.0049	0	1	0	1	0.0072	4	8	0	1
29	July 10 - 16	0.0276	1	2	1	2	0.0037	2	10	2	2
30	July 17 - 23	0.0547	2	4	2	3	0.0364	22	32	2	4
31	July 24 - 30	0.0241	1	5	1	5	0.0224	14	46	2	6
32	July 31 - Aug 6	0.0440	2	7	0	5	0.1220	75	120	5	10
33	Aug 7 - 13	0.0856	4	11	1	6	0.1368	84	204	42	53
34	Aug 14 - 20	0.1814	8	19	0		0.2242	137	341	0	
35	Aug 21 - 27	0.2430	11	30	0		0.2123	130	471	0	
36	Aug 28 - Sept 3	0.1857	8	38	0		0.1598	98	568	0	
37	Sept 4 - 10	0.1130	5	43	0		0.0618	38	606	0	
38	Sept 11 - 17	0.0252	1	44	0		0.0077	5	611	0	
39	Sept 18 - 24	0.0000	0	44	0		0.0005	0	611	0	
40	Sept 25 - 30	0.0000	0	44	0		0.0000	0	611	0	
			44		6	0.143			611	53	0.086

In-season Estimates of Effort and Salmon Catch

updated 8/16/2023

2023 Willapa Bay Marine Area Recreational Mark Selective Chinook 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)	26	June 24-25	2 fish, 1 Chinook, No wild Coho retention allowed. Effective July 28, 2023, Friday and Saturdays, Release Chinook and wild coho.	6	14	0	3	0	2
	27	June 26 - July 2		8	19	3	2	0	1
	28	July 3 - 9		14	23	0	0	0	0
	29	July 10 - 16		19	49	2	5	0	7
	30	July 17 - 23		23	64	6	5	0	26
	31	July 24 - 30		48	116	4	6	0	22
	32	31-Jul		4	6	0	0	0	0
Total to Date				122	291	15	21	0	58

Estimated Willapa origin Chinook Impacts	
Unmarked	Marked
0	1
1	1
0	0
1	2
2	2
1	2
0	0
5	8

For July, 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 - 6	6 fish daily, 2 adults, Release wild Chinook	67	140	8	0.058	5	0	0.000	0	2	0.017	0	3	0.023	0	0.000	
	33	Aug 7 - 13		255	541	70	0.129	42	0	0.000	0	17	0.032	1	2	0.003	0	0.000	
	34	Aug 14 - 20																	
	35	Aug 21 - 27																	
September	36	Aug 28 - Sept 3																	
	37	Sept 4 - 10																	
	38	Sept 11 - 17																	
	39	Sept 18 - 24																	
	40	Sept 25 - 30																	
Total to Date				322	681	78		47	0		0	19		2	5		0		

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

Naselle Hatchery Adult Chinook Rack Returns

Preliminary/DRAFT *

8/15/2023

Year	2020						2021						2022						2023 *					
Origin	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	-	-		-	-			0			0		1	1			0							
32	-	-		-	-		1	1		0	0		12	13	0%	0	0	0.0%	98	98	1%	5	5	0.8%
33	17	17	0%	0	0	0%	28	29	0%	3	3	0%	2	15	0%	0	0	0.0%	100	198	3%	3	8	1.3%
34	59	76	1%	3	3	0%	63	92	1%	0	3	0%	36	51	1%	6	6	1.0%		198	3%		8	1.3%
35	52	128	2%	6	9	1%	50	142	2%	1	4	1%	191	242	3%	17	23	3.7%		198	3%		8	1.3%
36	107	235	4%	5	14	2%	4	146	2%	0	4	1%	174	416	6%	15	38	6.0%		198	3%		8	1.3%
37	649	884	13%	34	48	7%	73	219	3%	4	8	1%	74	490	7%	11	49	7.8%		198	3%		8	1.3%
38	372	1256	19%	3	51	8%	242	461	6%	14	22	3%	84	574	8%	6	55	8.7%		198	3%		8	1.3%
39	1,600	2856	43%	6	57	9%	3,000	3,461	42%	0	22	3%	49	623	9%	2	57	9.0%		198	3%		8	1.3%
40	892	3748	56%	6	63	10%	962	4,423	53%	137	159	21%	608	1,231	18%	53	110	17.5%		198	3%		8	1.3%
41	874	4622	69%	178	241	37%	940	5,363	64%	81	240	32%	2549	3,780	54%	152	262	41.6%		198	3%		8	1.3%
42	1122	5744	86%	228	469	72%	2304	7,667	92%	388	628	85%	1696	5,476	79%	184	446	70.8%		198	3%		8	1.3%
43	407	6151	92%	118	587	91%	306	7,973	96%	72	700	95%	619	6,095	88%	46	492	78.1%		198	3%		8	1.3%
44	492	6643	99%	59	646	100%	230	8,203	98%	18	718	97%	463	6,558	94%	88	580	92.1%		198	3%		8	1.3%
45	26	6669	100%	1	647	100%	88	8,291	99%	17	735	99%	207	6,765	97%	18	598	94.9%		198	3%		8	1.3%
46	10	6679	100%	0	647	100%	36	8,327	100%	5	740	100%	98	6,863	99%	31	629	99.8%		198	3%		8	1.3%
47	1	6680	100%	0	647		7	8,334	100%	0	740		76	6,939	100%	0	629	99.8%		198	3%		8	1.3%
48	0	6680		0	647		1	8,335		0	740		1	6,940	100%	0	629	99.8%		198	3%		8	1.3%
49	0	6680		0	647		0	8,335		0	740		4	6,944	100%	0	629	99.8%		198	3%		8	1.3%
50	0	6680		0	647		0	8,335		0	740		1	6,945	100%	1	630	100.0%		198	3%		8	1.3%
51	0	6680		0	647		0	8,335		0	740		1	6,946	100%	0	630			198	3%		8	1.3%
Total	6,680			647			8,335			740			6,946			630			198			8		