
From: Willapa Bay (DFW)
Sent: Friday, September 6, 2024 8:51 AM
Subject: 2024 Willapa Bay Fisheries Update - week 35 - Aug 26 - Sept 2
Attachments: 2024 WB Marine Area Recreational Catch Estimate Summary Draft 09.04.2024.pdf;
Naselle Hatchery Adult CHK Summary 09.04.2024.pdf

Hello Everyone,

If you have any questions or comments regarding any of the information provided through these emails for the 2024 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 last update, there has been an increase in effort (61.9%) and catch of Chinook (77.2%) for statistical week 35, August 26 – Sept 1, 2024, compared to the previous week. The highest effort (in terms of vessels) and number of anglers were reported on Sunday, Sept 1, however, the highest hatchery Chinook catch was reported on August 26 and 27 (with a tie). We are starting to see more coho caught in the fishery as well compared to the previous week. For week 35, the week started with early morning high tides that moved to early afternoon by the weekend. There were still some small minus tides at low water, but the tide exchanges between low and high water was not as big as the previous two weeks.

There were 140 hatchery Chinook salmon and 70 coho reported by staff caught in this statistical week from August 26 – Sept 1. There were also 45 natural origin (NOR) Chinook released during this same week. Currently, the marine recreational salmon fishery has accrued 30 natural origin Chinook impacts. That is 53.4% of the preseason expected natural origin Chinook impacts for the season. (See attachment: 2024 WB Marine Area Recreational Catch Estimate Summary Draft 09.04.2024.pdf)

This week Sept 2 - 8, there were two minus tides at low water earlier in this week but by the end of the week, there will be a much smaller tide exchange. There will be more fishable early morning high tides Saturday, Sept 7 through Thursday, Sept 12.

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 have continued walking stream surveys below the weir in Nemah and Naselle rivers since August 1st. As of September 2nd, this week, staff have observed approximately 2,154 live Chinook salmon staging in the Naselle River and approximately 805 live Chinook staging in the Nemah River. We still have not observed any spawning or redds in either of these river sections but have recovered four dead Chinook carcasses in both the Nemah and Naselle rivers each below the weir. Historically, Chinook salmon begin spawning in Willapa Bay rivers the middle of September.

Hatchery Chinook Rack Returns

Naselle River Hatchery

To-date, 351 adult and 9 jack hatchery Chinook salmon have volunteered into the attraction channel and recruited into the hatchery. This is approximately 50.8% of where we were last year at this same time (week 35). There have been 29 unmarked, Chinook salmon that have volunteered into the hatchery to-date, 16 male Chinook and 13 female Chinook. All 29 unmarked fish have been planted upstream above the hatchery. There has been eight male and 12 female Chinook salmon mortalities reported in the Naselle Hatchery from August 1 – Sept 4, 2024. These data will be updated in the next weekly in-season email. (See attachment: *Naselle Hatchery Adult CHK Summary 09.04.2024.pdf*)

Nemah and Forks Creek hatcheries

To-date, no fall Chinook have entered Nemah or Forks Creek hatcheries.

Commercial Fishery

The commercial fishery in Willapa Bay had a 12-hour opener on August 31 since our last email at the south end of the bay using tangle net gear in Areas 2N, 2M, and 2R. Effort and catch were lower than the previous week. There were 351 hatchery Chinook salmon and 122 coho landed from the fishery for both days combined for week 35. The fleet has accrued a total of 68 local, natural origin (NOR) Chinook impacts to-date. This is 16.4% of the preseason NOR Chinook estimated impacts to this point of the salmon season.

This week, Sept 1 – 7, the commercial fishery is closed to salmon fishing in all areas.

There will be two additional 12-hour openers in the south end of the bay using tangle net gear in Areas 2N, 2M, and 2R on Sept 9th and Sept 12th. An update from these openers 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, 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 McClellan

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](#)

2024 Willapa Bay Marine Area Recreational Catch Estimate

updated 9/4/2024

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				Notes	Retention Period	
	# 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	4	6	2	0.333	1	0	1	0	0	0.000	0	0	2 fish daily, only 1 Chinook allowed. No wild coho retention	Effective July 28, 2023, Friday and Saturdays, Release Chinook and wild coho.	June 24 - 30
27	17	37	2	0.054	0	0	2	1	11	0.297	1	10			July 1 - 7
28	11	23	2	0.087	0	0	2	1	5	0.217	0	5			July 8 - 14
29	23	44	4	0.091	0	0	4	1	11	0.250	3	8			July 15 - 21
30	50	116	33	0.284	13	4	20	6	24	0.207	0	24			July 22 - 28
31	11	25	4	0.160	1	0	3	1	1	0.040	0	1			July 29 - Aug 4
Season Total	116	251	47	0.187	15	5	32	10	52	0.207	4	48			

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 note below for raw data source	Dates	Strata	Strata Description	Actual Raw Data			Actual Raw Data		Expanded # Total Anglers	# CHK AD Kept	CHK AD CPUE Kept	Expanded # CHK AD Kept	# WB Origin CHK AD Impacts	# CHK UM Kept	CHK UM CPUE Kept	Expanded # CHK UM Kept	# 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	Expanded # Total Boats	Sample Rate																						# Anglers Sampled	# Anglers per boat			
32	8/5 - 8/8	1	Mon - Thur	82	8	90	186	48%	176	2.15	399	25	0.142	57	35	0	0.000	0	6	0.034	14	2	1	0	0.000	0	0	0.000	0	0.000	0			
32	8/9 - 8/11	2	Fri - Sun	23	1	24	37	64%	43	1.87	70	4	0.093	6	4	0	0.000	0	0	0.000	0	0	0	0	0.000	0	0	0.000	0	0.000	0			
33	8/12 - 8/15	1	Mon - Thur	101	6	107	228	47%	221	2.19	499	57	0.258	129	79	0	0.000	0	18	0.081	41	6	3	1	0.005	2	0	0.000	0	0.005	2			
33	8/16 - 8/18	2	Fri - Sun	94	4	98	157	63%	223	2.37	371	28	0.126	47	28	0	0.000	0	9	0.040	15	2	1	3	0.013	5	0	0.000	0	0.013	5			
34	8/19 - 8/22	1	Mon - Thur	47	6	53	115	46%	109	2.32	267	23	0.211	56	34	0	0.000	0	5	0.046	12	2	1	1	0.009	2	1	0.043	2	0.018	5			
34	8/23 - 8/25	2	Fri - Sun	148	17	165	269	61%	334	2.26	607	56	0.168	102	62	1	0.003	2	25	0.075	45	6	4	19	0.057	35	3	0.054	5	0.066	40			
35	8/26 - 8/29	1	Mon - Thur	139	10	149	328	45%	288	2.07	679	82	0.285	193	118	1	0.003	2	21	0.073	50	7	4	15	0.052	35	7	0.085	17	0.076	52			
35	8/30 - 9/1	2	Fri - Sun	163	41	204	337	61%	382	2.34	789	58	0.152	120	73	1	0.003	2	24	0.063	50	7	4	36	0.094	74	12	0.207	25	0.126	99			
36		1	Mon - Thur																															
36		2	Fri - Sun																															
37		1	Mon - Thur																															
37		2	Fri - Sun																															
38		1	Mon - Thur																															
38		2	Fri - Sun																															
39		1	Mon - Thur																															
39		2	Fri - Sun																															
40		1	Mon - Thur																															
40		2	Fri - Sat																															
TOTALS				797	93	890	1,656		1,776	2.23	3,681	333	0.188	710	434	3	0.002	6	108	0.061	226	32	19	75	0.042	154	23	0.013	49	0.055	203			

2024 Willapa Bay Origin PreSeason Recreational Data

Preliminary/Draft
Updated 9/4/2024

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 7	0.0164	1	1	0	0	0.0048	3	3	1	1
28	July 8 - 14	0.0040	0	1	0	0	0.0056	4	7	1	1
29	July 15 - 21	0.0300	2	3	0	0	0.0037	2	9	1	2
30	July 22 - 28	0.0593	3	6	4	4	0.0291	18	27	6	9
31	July 29 - Aug 4	0.0270	2	8	0	4	0.0184	12	39	1	10
32	Aug 5 - 11	0.0356	2	10	1	5	0.0978	63	102	39	48
33	Aug 12 - 18	0.0843	5	14	5	10	0.1236	78	181	107	155
34	Aug 19 - 25	0.1782	10	24	7	17	0.2031	129	310	97	252
35	Aug 26 - Sept 1	0.2499	14	38	13	30	0.2699	171	481	191	443
36	Sept 2 - 8	0.1883	11	49	0	30	0.1589	101	582	0	443
37	Sept 9 - 15	0.1064	6	55	0	30	0.0749	48	629	0	443
38	Sept 16 - 22	0.0205	1	56	0	30	0.0075	5	634	0	443
39	Sept 23 - 29	0.0000	0	56	0	30	0.0005	1	635	0	443
40	30-Sep	0.0000	0	56	0	30	0.0000	0	635	0	443
			56		30	0.534				443	0.698

Naselle Hatchery Adult Chinook Rack Returns

Preliminary/DRAFT *

9/4/2024

Red value = peak run timing

Year	2022						2023						2024 *						Average 2015-2023		
	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	Stat week	Hatchery	Natural
31	1	1	0%	0	0	0.0%	51	51	0%	3	3	0%	0	0		0	0		31	11	1
32	12	13	0%	0	0	0.0%	127	178	2%	5	8	1%	35	35	10%	4	4	14%	32	31	1
33	2	15	0%	0	0	0.0%	75	253	3%	3	11	2%	83	118	34%	6	10	34%	33	24	2
34	36	51	1%	6	6	1.0%	111	364	4%	7	18	3%	156	274	78%	12	22	76%	34	50	4
35	191	242	3%	17	23	3.7%	48	412	5%	8	26	4%	66	340	97%	7	29	100%	35	79	7
36	174	416	6%	15	38	6.0%	295	707	9%	15	41	6%	11	351	100%	0	29	100%	36	135	11
37	74	490	7%	11	49	7.8%	2	709	9%	0	41	6%							37	257	23
38	84	574	8%	6	55	8.7%	129	838	10%	3	44	6%							38	481	38
39	49	623	9%	2	57	9.0%	3,393	4231	51%	29	73	10%							39	1,181	40
40	608	1,231	18%	53	110	17.5%	1368	5599	67%	166	239	34%							40	564	99
41	2549	3,780	54%	152	262	41.6%	1326	6925	83%	277	516	74%							41	980	159
42	1696	5,476	79%	184	446	70.8%	1062	7987	96%	125	641	91%							42	866	154
43	619	6,095	88%	46	492	78.1%	169	8156	98%	45	686	98%							43	239	45
44	463	6,558	94%	88	580	92.1%	124	8280	100%	15	701	100%							44	173	28
45	207	6,765	97%	18	598	94.9%	9	8289	100%	1	702	100%							45	42	5
46	98	6,863	99%	31	629	99.8%	6	8295	100%	0	702	100%							46	20	4
47	76	6,939	100%	0	629	99.8%	0	8295	100%	0	702	100%							47	11	0
48	1	6,940	100%	0	629	99.8%	0	8295	100%	0	702	100%							48	0	0
49	4	6,944	100%	0	629	99.8%	0	8295	100%	0	702	100%							49	1	0
50	1	6,945	100%	1	630	100.0%	0	8295	100%	0	702	100%							50	1	0
51	1	6,946	100%	0	630		0	8295	100%	0	702	100%							51	0	0
Total	6,946			630			8,295			702			351			29			Avg	5,092	620

* italics = partial week