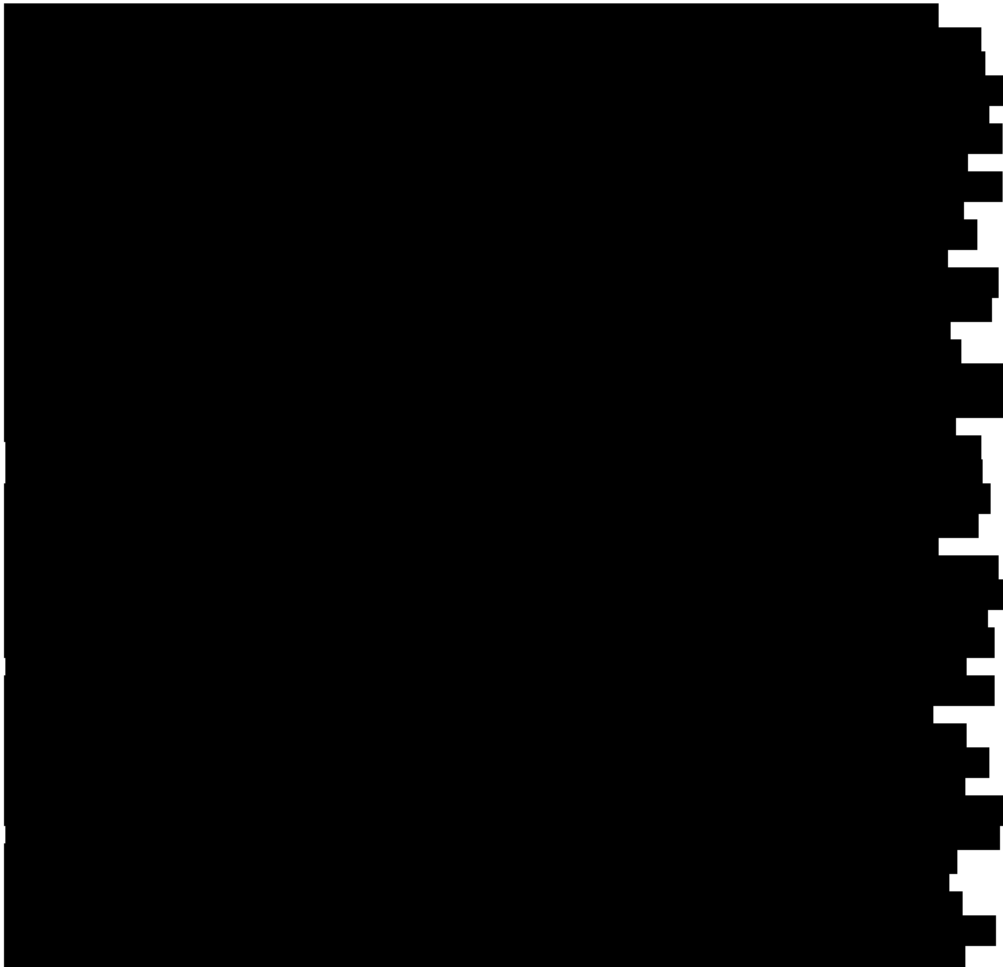


From: [Willapa Bay \(DFW\)](#)
Bcc:



Subject: 2024 Willapa Bay Fisheries Update - week 34 - Aug 19 - 25
Date: Friday, August 30, 2024 11:29:02 AM
Attachments: [2024 WB Marine Area Recreational Catch Estimate Summary Draft 08.30.2024.pdf](#)
[Naselle Hatchery Adult CHK Summary 08.30.2024.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).

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Recreational Marine Area Fishery

Since our last update, there has been similar effort and catch for statistical week 34, August 19 – 25, 2024 as the week prior. The highest effort (in terms of vessels), number of anglers, and catch were all reported on the same day, Sunday, August 25, 2024. For week 34, the week started with early afternoon high tides but changed to an early morning high tide by the end of the weekend. There were still some minus tides at low water, and even though there were still some bigger tidal exchanges between low and high tides, they weren't as big as the week before. There were 79 hatchery Chinook salmon and 24 coho reported by staff caught in this

statistical week from August 19 – 25. There were also 30 natural origin (NOR) Chinook released during this same week. Currently, the marine recreational salmon fishery has accrued 17 natural origin Chinook impacts. That is 30.4% of the preseason expected natural origin Chinook impacts for the season. (See attachment: 2024 WB Marine Area Recreational Catch Estimate Summary Draft 08.30.2024.pdf)

This week August 26 – Sept 1, there are minus tides at low water this week but with a smaller tide exchange. There will be more favorable early morning high tides Saturday, Sept 7 through Thursday, Sept 12 with smaller tidal exchanges between low and high water.

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 1 below the weir in Nemah and Naselle rivers. As of August 27 this week, we have observed roughly 1,385 live Chinook salmon staging in the Naselle River and 472 live Chinook staging in the Nemah River. At this point, we have not observed any spawning or redds in either of these river sections but have recovered two dead Chinook carcasses in the Nemah River 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, 356 adult and 8 jack hatchery Chinook salmon have volunteered into the attraction channel and recruited into the hatchery. This is less than where we were last year, approximately 81.3%, at this same time. There have been 28 unmarked, Chinook salmon that have volunteered into the hatchery to-date, 16 male Chinook and 12 female Chinook. All 28 unmarked fish have been planted upstream above the hatchery. There has also been five male and nine female Chinook salmon mortalities reported in the Naselle Hatchery from August 1 – 27, 2024. These data will be updated in the next weekly in-season email. (See attachment: *Naselle Hatchery Adult CHK Summary 08.30.2024.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 two 12-hour openers since our last email on August 24 and August 28 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 1,166 hatchery Chinook salmon and 171 coho landed from the fishery for both days combined. The fleet has accrued a total of 57 local, natural origin (NOR) Chinook impacts to-date. This is 13.8% of the preseason NOR Chinook estimated impacts to this point of the salmon season.

There is a commercial opener scheduled tomorrow Saturday, August 31, in commercial areas 2N, 2M, and 2R using tangle net gear. An update from this opener will be provided in next week's weekly update email. Next week, Sept 1 – 7, the commercial fishery is scheduled to be closed for the week in all areas.

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

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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 8/30/2024

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				2 fish daily, only 1 Chinook allowed. No wild coho retention	Effective July 28, 2023, Friday and Saturdays, Release Chinook and wild coho.	Date Range
	# 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	June 24 - 30 July 1 - 7 July 8 - 14 July 15 - 21 July 22 - 28 July 29 - Aug 4		
27	17	37	2	0.054	0	0	2	1	11	0.297	1	10			
28	11	23	2	0.087	0	0	2	1	5	0.217	0	5			
29	23	44	4	0.091	0	0	4	1	11	0.250	3	8			
30	50	116	33	0.284	13	4	20	6	24	0.207	0	24			
31	11	25	4	0.160	1	0	3	1	1	0.040	0	1			
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	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	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	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	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		1	Mon - Thur																															
35		2	Fri - Sun																															
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				495	42	537	992		1,106	2.23	2,213	193	0.175	396	242	1	0.001	2	63	0.057	127	18	11	24	0.022	44	4	0.004	8	0.025	52			

2024 Willapa Bay Origin PreSeason Recreational Data

Preliminary/Draft
Updated 8/30/2024

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	0	17	0.2699	171	481	0	252
36	Sept 2 - 8	0.1883	11	49	0	17	0.1589	101	582	0	252
37	Sept 9 - 15	0.1064	6	55	0	17	0.0749	48	629	0	252
38	Sept 16 - 22	0.0205	1	56	0	17	0.0075	5	634	0	252
39	Sept 23 - 29	0.0000	0	56	0	17	0.0005	1	635	0	252
40	30-Sep	0.0000	0	56	0	17	0.0000	0	635	0	252
			56		17	0.304				252	0.397

Naselle Hatchery Adult Chinook Rack Returns

Preliminary/DRAFT *

8/30/2024

Red value = peak run timing

Year	2022						2023						2024 *						Average 2015-2023		
Origin	Hatchery		Natural				Hatchery		Natural				Hatchery		Natural				Stat week	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	11%	4	4	14%	32	31	1
33	2	15	0%	0	0	0.0%	75	253	3%	3	11	2%	83	118	36%	6	10	36%	33	24	2
34	36	51	1%	6	6	1.0%	111	364	4%	7	18	3%	156	274	84%	12	22	79%	34	50	4
35	191	242	3%	17	23	3.7%	48	412	5%	8	26	4%	54	328	100%	6	28	100%	35	79	7
36	174	416	6%	15	38	6.0%	295	707	9%	15	41	6%							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			328			28			Avg	5,092	620

* italics = partial week