

McClellan, Barbara A (DFW)

From: Willapa Bay (DFW)
Sent: Wednesday, August 28, 2019 4:08 PM
To: Andy Mitby; Bob Lake ; Francis Estallia; Greg McMillan; Jack Hollingsworth; Jim Sayce; Lance Gray ; Mara Zimmerman ; Marlisa Dugan; Norm Reinhardt; Ross Barkhurst ; Steve Boerner; Tim Hamilton; Aaron Miller; Al Ramsaur ; Allan Hollingsworth; Amy Fenlon ; Andrew Olson; Angel Lund; Angie Butrick ; Anthony Koehn; Art Holman; Bill Buchkowski; Bill Lushenko; Bill Mabe ; Bill Osborn ; Bill Ward ; Bob Haefs; Bob Lucas; Bob Mulhouser ; Bob Smith; Brian Davern ; Brian Kraemer; Bruce Ogren ; Bruce Urquhart; Bud Wild ; C Biener ; Carl Kellogg; Cary Hofmann; Casey Bradley ; Charles McKown; Chris Holm; Chris Phillips; Chris White ; Dale Beasley ; Dan Dettmann ; Dan Quaschnik ; Dave Hamilton ; Dave Nettin ; David Hadsell ; David Hollingsworth; David Patrick; Dean Antich; Dean Takko; Dennis Harman; Dennis Parks; Diana Bone ; Don Porter; Dottie Dunthorn ; Duane Inglin; Duane Rogers ; Dwayne Everson; Earl Davis; Ed Tharp; Eric Mitby; Frank Blake ; G. Blevins; Gail Petersen; Gary Mawhorter; George Leach ; Greg Kluh ; Greg Larson; Gunther Boettcher; Hope Rieden ; Jack Berryman; James Caron ; Jason Lake ; Jeff McKean; Jeff Skrietz; Jerry Charlton; Jerry Lowe ; Jim Babcock; Jim Paul; Joe Durham; Joe Koski; Joe Muller; Joe Superfisky; Joe Weber ; John Baugher; John Campbell ; John Rabey; John Stanislay; John Stigall; John Tieder ; Josh Bradley; Kelli Erickson; Ken Wirkkala; Kirby Denger ; Kirk Johnston ; Kristi Nelson; Lane Chilman; Larry Brown; Leah Thomas; LeeRoy Wisner; Leslie Pederson; Lisa Olsen; Loren Gee; Lori Craig Ashley; Lucas Stigall; Lyle Cabe; Mark Coleman; Mark Eastham; Mark Lund ; Mark Miller ; Melanie Rabaglia; Michael Bos ; Mike Ainsworth ; Mike Backman ; Mike Morris ; Mike Nordin ; Mike Riggs; Mike Runyon ; Mike Shirley ; Mike Wallace; Miranda Wecker; Nicholas Kato ; Nick Larson; Nick Nikkila; Pat Edwards ; Patric Gaffney; Paul Beese; Ray Brown; Ray Gilbertson; Rebecca Chaffee; Rich Runyon; Richard Chaney; Richard Lapinski; Rick Durkin; Rick Lovitt ; Rob Nowowiejski; Robert Coty ; Robert Groves; Robert Rao; Roger Shaw ; Roland Culver; Ron Meek; Ron Rinear ; Ron Schweitzer; Ross Kary ; Russ Perkins; Ryan Moore; Sam Arvan; Sam Arvan ; Shawn Murray; Shawn Murray; Shelley Willet; Steve Aust; Steve Aust; Steve Fransen ; Steve Gacke; Steve Gray ; Ted Schuman; Tim Williams; Todd Bennington; Tom Gibbs WBGN; Tom Guntle ; Tom Moonan; Tom Moonan; Tom Peterson; Walt Weber; Wayne Banta ; Wes Bradley ; William Thomas WBGN; Woody Pierson Jr. ; Woody Pierson Sr.

Cc: Herring, Chad J (DFW); Peterson, Damon M (DFW); Jennings, Lyle F (DFW); Zimmer, Ryan C (DFW); John, Ryan W (DFW); Losee, James P (DFW); Phillips, Larry C (DFW); Allan, Robert C (DFW)
Subject: 2019 Willapa Bay Recreational Marine Area Monitoring update through August 24 - stat week 34

Attachments: 2019 WB Recreational Marine Area Catch Estimate thru week 34 08.28.19.pdf; Naselle Hatchery CHK Rack Returns 08.28.19.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Everyone,
Attached are the files associated with the weekly update for the Willapa Bay marine area recreational monitoring through week 34.

Effort and hatchery Chinook catch has increased over the last week more than the two previous weeks. This was expected given how close we are getting to Labor Day weekend and the run timing of hatchery Chinook. Effort is likely to increase over the next few days compared to other week days and will definitely increase this coming weekend through Monday, Labor Day. The number of unmarked Chinook being encountered and released has also increased by around 46% over the previous week.

The tides were a factor in a better fishing experience last week. Not only were there morning high tides (best tide to fish Willapa Bay marine area) but the tidal exchange between the low and the high was small. Unfortunately, the tides have switched this week coming into Labor Day weekend. There will only be one high water tide and it will be in the afternoon. There won't be another string of morning high water tides until later next week after Labor Day.

The boat survey work we have been conducting is showing that 92.3% of the boats fishing this year in the marine area are exiting the fishery either in Tokeland or South Bend. These are locations where we have staff dockside monitoring four days a week. This is a slight drop from last week when the rate was at 95.2%. That means a few more anglers are utilizing other launch locations to exit the fishery.

Attached is the update for the Naselle Hatchery. To-date, we have had 115 hatchery and 10 natural Chinook recruit to the hatchery. All natural fish were passed upstream. We are currently in week 35 so any data provided in the spreadsheet for week 35 is incomplete.

The commercial fishery in Willapa Bay will begin fishing on September 3 in the lower end of the harbor. Once we have those data for the first week, we will begin to include the commercial summaries in this weekly email.

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

If you have any questions regarding any of the information provided, please reply to this email or send an email to WillapaBay@dfw.wa.gov.

Thank you,
Barbara McClellan
Willapa Bay Fisheries Biologist
WDFW Region 6 Montesano

WDFW online links:

Willapa Bay Marine Area 2.1 Recreational Creel Monitoring: <https://wdfw.wa.gov/fishing/reports/creel/willapabay>

Willapa Bay Advisory Group: <https://wdfw.wa.gov/about/advisory/wbsag>

Willapa Bay & Grays Harbor (non-treaty) commercial salmon fisheries (regulations & landed catch) <https://wdfw.wa.gov/fishing/commercial/gillnet#information>

2019 Willapa Bay Marine Area Recreational Catch Estimate

PRELIMINARY/DRAFT updated 8/28/2019

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

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

July (Ocean 2 Rules)

Stat Week	Expanded Data				Estimated Total UM Chinook Kept	Willapa Origin Chinook UM Impacts	Estimated Total AD Chinook Kept	Willapa Origin Chinook AD Impacts	Expanded Data			
	# Boats	# Anglers	Estimated Total Chinook Kept	Total Chinook CPUE					Estimated Total Coho Kept	Estimated Total AD Coho Kept	Estimated Total UM Coho Kept	Total Coho CPUE
25 & 26	31	70	4	0.057	0	0	4	1	0	0	0	0.000
27	62	169	24	0.142	4	1	20	6	5	5	0	0.030
28	77	176	45	0.256	3	1	42	12	16	16	0	0.091
29	40	93	15	0.161	3	1	12	4	14	14	0	0.151
30	196	443	222	0.501	28	8	194	57	43	43	0	0.097
31	81	153	32	0.209	6	2	26	8	2	2	0	0.013
Season Total	487	1,104	342	0.310	44	13	298	88	80	80	0	0.072

August and September

Stat Week	Dates	Strata	Strata Description	Actual Data			Expanded # Total Boats	Sample Rate	Actual Data			Chinook Retained					Chinook Released					Marked Coho			Unmarked Coho			Total Coho							
				# Boats Sampled	# Boats Not Sampled	# Total Boats			# Anglers Sampled	# Anglers per boat	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)				
31	08/01/19	1	Thur	26	1	27	29	89%	55	2.12	62	5	0.091	6	4	0	0.000	0	0	0.000	0	0	0	1	0.018	1	0	0.000	0	0.018	1				
31	08/2 - 08/4	2	Fri - Sun	46	2	48	78	59%	99	2.15	168	11	0.111	19	12	0	0.000	0	5	0.051	8	1	1	4	0.040	7	0	0.000	0	0.040	7				
32	08/5 - 8/8	1	Mon - Thur	97	3	100	217	45%	199	2.05	444	44	0.221	98	62	0	0.000	0	14	0.070	31	4	3	4	0.020	9	1	0.005	2	0.025	11				
32	08/9 - 8/11	2	Fri - Sun	128	26	154	250	51%	281	2.20	549	74	0.263	145	92	1	0.004	1	13	0.046	25	4	2	14	0.050	27	4	0.014	8	0.064	35				
33	8/12 - 8/15	1	Mon - Thur	100	2	102	221	45%	213	2.13	471	21	0.099	46	29	1	0.005	1	9	0.042	20	3	2	9	0.042	20	3	0.014	7	0.056	27				
33	08/16 - 8/18	2	Fri - Sun	240	23	263	427	56%	551	2.30	981	90	0.163	160	102	0	0.000	0	43	0.078	77	11	7	19	0.034	34	3	0.005	5	0.040	39				
34	8/19 - 8/22	1	Mon - Thur	177	12	189	409	43%	381	2.15	881	52	0.136	120	76	0	0.000	0	21	0.055	49	7	4	15	0.039	35	6	0.016	14	0.055	49				
34	8/23 - 8/25	2	Fri - Sun	294	49	343	557	53%	697	2.37	1,321	109	0.156	207	131	0	0.000	0	55	0.079	104	15	9	42	0.060	80	19	0.027	36	0.088	116				
35																																			
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				1,108	118	1,226	2,189	51%	2,476	2.23	4,877	406	0.164	801	508	2	0.001	3	160	0.065	314	44	28	108	0.044	212	36	0.015	72	0.058	284				

Willapa Bay Origin PreSeason Recreational Data

Willapa Bay Natural-Origin Fall Chinook							Willapa Bay Hatchery-Origin Fall Chinook				
Stat 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
25-26	6/22 - 6/29	0.0043	1	1	0	0	0.0046	1	1	1	1
27	6/30/2007	0.0043	1	2	1	1.2	0.0046	7	8	6	7
28	7/8 - 7/14	0.0022	0	2	1	2	0.0070	10	18	12	20
29	7/15 - 7/21	0.0119	2	4	1	3	0.0102	15	33	4	23
30	7/22 - 7/28	0.0043	1	5	8	11	0.0297	44	77	57	81
31	7/29 - 8/3	0.0142	2	7	3	14	0.0287	42	119	23	104
32	8/4 - 8/10	0.0857	15	22	6	20	0.1062	157	276	154	258
33	8/11 - 8/17	0.1490	25	47	10	30	0.1343	198	474	131	389
34	8/18 - 8/24	0.2299	39	86	14	44	0.2176	321	794	207	596
35	8/25 - 8/31	0.2829	48	134		44	0.2487	367	1,161		596
36	9/1 - 9/7	0.1013	17	152		44	0.1167	172	1,333		596
37	9/8 - 9/14	0.0826	14	166		44	0.0664	98	1,431		596
38	9/15 - 9/21	0.0194	3	169		44	0.0251	37	1,468		596
39	9/22 - 9/28	0.0073	1	170		44	0.0015	2	1,470		596
40	9/29 - 9/30	0.0037	1			44	0.0014	2	1,472		596
41		0.0000	0			44	0.0007	1	1,473		596
			170		44		1,474		596		

Naselle Hatchery Chinook Rack Returns

Preliminary/DRAFT *

8/28/2019

Year	2015						2016						2017						2018						2019 *						
Origin	Hatchery			Natural			Hatchery			Natural			Hatchery			Natural			Hatchery			Natural			Hatchery			Natural			
Stat Week	Daily Total	Cumulative	% Run Timing	Daily Total	Cumulative	% Run Timing	Daily Total	Cumulative	% Run Timing	Daily Total	Cumulative	% Run Timing	Daily Total	Cumulative	% Run Timing	Daily Total	Cumulative	% Run Timing	Daily Total	Cumulative	% Run Timing	Daily Total	Cumulative	% Run Timing	Daily Total	Cumulative	% Run Timing	Daily Total	Cumulative	% Run Timing	
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.0%	-	-	-	1	1		1	1		
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	0.2%	-	-	-	9	10		0	1		
33	-	-	-	-	-	-	-	-	-	-	-	-	13	13	0.4%	2	2	0.3%	11	17	0.6%	2	2	0.4%	23	33		3	4		
34	-	-	-	-	-	-	-	-	-	-	-	-	23	36	1.1%	5	7	0.9%	12	29	1.0%	3	5	1.0%	48	81		5	9		
35	-	-	-	-	-	-	-	-	-	-	-	-	26	62	1.9%	6	13	1.6%	44	73	2.5%	7	12	2.5%	34	115		1	10		
36	205	205	4.2%	24	24	2.7%	0	0	0.0%	1	1	0.2%	63	125	3.8%	11	24	3.0%	16	89	3.0%	5	17	3.5%							
37	30	235	4.9%	0	24	2.7%	199	199	9.9%	32	33	6.6%	133	258	7.9%	33	57	7.1%	784	873	29.8%	87	104	21.3%							
38	2,016	2,251	46.5%	155	179	20.4%	25	224	11.1%	9	42	8.4%	1,179	1,437	43.8%	148	205	25.7%	128	1,001	34.2%	7	111	22.7%							
39	1,449	3,700	76.4%	134	313	35.7%	801	1,025	50.8%	143	185	36.9%	128	1,565	47.7%	17	222	27.8%	123	1,124	38.4%	15	126	25.8%							
40	481	4,181	86.3%	269	582	66.4%	229	1,254	62.1%	68	253	50.5%	304	1,869	57.0%	117	339	42.4%	196	1,320	45.1%	65	191	39.1%							
41	281	4,462	92.1%	217	799	91.2%	665	1,919	95.1%	54	307	61.3%	1,103	2,972	90.6%	321	660	82.6%	560	1,880	64.2%	114	305	62.4%							
42	278	4,740	97.9%	67	866	98.9%	86	2,005	99.4%	182	489	97.6%	184	3,156	96.2%	113	773	96.7%	654	2,534	86.6%	85	390	79.8%							
43	25	4,765	98.4%	1	867	99.0%	0	2,005	99.4%	9	498	99.4%	88	3,244	98.9%	21	794	99.4%	219	2,753	94.1%	36	426	87.1%							
44	37	4,802	99.1%	6	873	99.7%	0	2,005	99.4%	3	501	100.0%	16	3,260	99.4%	2	796	99.6%	166	2,919	99.7%	58	484	99.0%							
45	20	4,822	99.5%	3	876	100.0%	2	2,007	99.5%	0	501	100.0%	6	3,266	99.5%	0	796	99.6%	7	2,926	100.0%	5	489	100.0%							
46	11	4,833	99.8%	0	876	100.0%	6	2,013	99.8%	0	501	100.0%	14	3,280	100.0%	2	798	99.9%	0	2,926	100.0%	0	489								
47	8	4,841	99.9%	0	876	100.0%	4	2,017	100.0%	0	501	100.0%	0	3,280	100.0%	1	799	100.0%	0	2,926	100.0%	0	489								
48	-	4,841	99.9%	-	876	100.0%	1	2,018	100.0%	0	501	100.0%	0	3,280	100.0%	0	799		0	2,926	100.0%	0	489								
49	-	4,841	99.9%	-	876	100.0%	-	-	-	-			0	3,280	100.0%	0	799		0	2,926	100.0%	0	489								
50	3	4,844	100.0%	0	876	100.0%	-	-	-	-			0	3,280	100.0%	0	799		0	2,926	100.0%	0	489								
51													1	3,281	100.0%	0	799		1	2,927	100.0%	0	489								
Total	4,844			876			2,018			501			3,281			799			2,927			489			115			10			

yellow = incomplete week

