

McClellan, Barbara A (DFW)

From: Willapa Bay (DFW)
Sent: Wednesday, August 14, 2019 11:04 AM
To: Andy Mitty; Bob Lake ; Francis Estallia; Greg McMillan; Jack Hollingsworth; Jess Helsley; Jim Sayce; Lance Gray ; Marisa 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 Muhlhauser ; 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 ; Dan Dettmann ; Dan Quaschnik ; Dave Hamilton ; Dave Netthin ; 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 Mitty; Frank Blake ; G. Blevins; Gail Petersen; Gary Mawhorter; George Leach ; Greg Kluh ; Greg Larson; Gunther Boetcher; Hope Rieden ; Jack Berryman; James Caron ; Jason Lake ; Jeff McKean; Jeff Skrlitz; Jerry Charlton; Jerry Lowe ; Jim Babcock; Jim Paul; Joe Durham; Joe Koski; Joe Muller; Joe Superfisky; Joe Weber ; John Baugher;

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Cc: Herring, Chad J (DFW); Peterson, Damon M (DFW); Jennings, Lyle F (DFW); Zimmer, Ryan C (DFW); Allan, Robert C (DFW); Losee, James P (DFW); John, Ryan W (DFW); Phillips, Larry C (DFW)
Subject: 2019 Willapa Bay Recreational Marine Area Monitoring update through August 11 - stat week 32
Attachments: 2019 WB Recreational Marine Area Catch Estimate thru week 32 08.14.19.pdf; Naselle Hatchery CHK Rack Returns 08.14.19.pdf

Hi Everyone,

Attached are the files associated with the weekly update for the Willapa Bay marine area recreational monitoring through week 32.

The last week has had relatively decent effort but catching fish has been hit or miss. There have not been as many fish landed compared to the effort that was present. However compared to last week, things are picking up overall as we are moving through August. The tides have gone back to minus tides at low water and will remain that way through this coming weekend. High water (the best tide to fish in Willapa) is in the afternoon this week. That is not an ideal tide for fish to bite. As we transition into next week, the tides will shift where there will be a morning and an afternoon high tide. That should help with fish biting and more fish may get caught.

As I've stated in the previous email, we are now monitoring the recreational marine fishery in Tokeland and South Bend two days per strata (strata 1: Mon – Thur, strata 2: Fri – Sun). We are now conducting a boat survey to evaluate the proportion of effort that exits the fishery at sampled (Tokeland and South Bend) vs non-sampled locations. We use this information to expand our actual sampled data collected dockside to the rest of the recreational fishery to account for boats that may have landed in other locations (not Tokeland or South Bend). We

are also test fishing to collect unmarked Chinook genetics since those fish are illegal to retain and we won't have the chance to sample them on the dock. As always, in-season data is preliminary and subject to change.

Included in the attached files is the update for the Naselle Hatchery. The data for week 33 is not complete as we are currently in week 33. These data are only through yesterday (8/13/19). Seventeen Chinook (15 hatchery and 2 natural fish) have recruited to the hatchery to-date. The two natural fish were passed upstream.

At the Nemah Hatchery, the dredging below the weir was completed yesterday (8/13/19) and the hatchery staff are completing the installation of the in-river trapping structure this week. We will provide hatchery rack information beginning next week.

If anyone is interested in collecting genetic samples from unmarked Chinook prior to releasing them, **please contact me**. I have yet to reach the 20 volunteers that I was hoping to have collecting samples. The more help we have, the more potential samples will get to help us evaluate the stock composition of the recreational fishery in the marine area.

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

Additional online reference links you may be interested in:

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 8/14/2019

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	Expanded # CHK AD Kept	# WB Origin CHK AD Impacts	# CHK UM Kept	CHK UM CPUE	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	28	93%	55	2.12	59	5	0.091	5	3	0	0.000	0	1	0.018	1	0	0	1	0.018	1	0	0.000	0	0.018	1
31	08/2 - 08/4	2	Fri - Sun	46	2	48	75	62%	99	2.15	160	11	0.111	18	11	0	0.000	0	5	0.051	8	1	1	4	0.040	6	0	0.000	0	0.040	6
32	08/5 - 8/8	1	Mon - Thur	97	3	100	207	47%	199	2.05	425	44	0.221	94	60	0	0.000	0	15	0.075	32	4	3	4	0.020	9	1	0.005	2	0.025	11
32	08/9 - 8/11	2	Fri - Sun	128	26	154	239	54%	281	2.20	525	74	0.263	138	88	1	0.004	2	13	0.046	24	3	2	14	0.050	26	4	0.014	7	0.064	34
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				297	32	329	548	54%	634	2.13	1,169	134	0.211	255	162	1	0.002	2	34	0.054	65	9	6	23	0.036	42	5	0.008	10	0.044	52

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	22	103
32	8/4 -8/10	0.0857	15	22	5	19	0.1062	157	276	147	250
33	8/11 -8/17	0.1490	25	47		19	0.1343	198	474		250
34	8/18 -8/24	0.2299	39	86		19	0.2176	321	794		250
35	8/25 - 8/31	0.2829	48	134		19	0.2487	367	1,161		250
36	9/1 - 9/7	0.1013	17	152		19	0.1167	172	1,333		250
37	9/8 - 9/14	0.0826	14	166		19	0.0664	98	1,431		250
38	9/15 - 9/21	0.0194	3	169		19	0.0251	37	1,468		250
39	9/22 - 9/28	0.0073	1	170		19	0.0015	2	1,470		250
40	9/29 - 9/30	0.0037	1			19	0.0014	2	1,472		250
41		0.0000	0			19	0.0007	1	1,473		250
			170		19			1,474		250	

Naselle Hatchery Chinook Rack Returns

Preliminary/DRAFT

Year	2015						2016						2017						2018						2019					
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
33	-	-	-	-	-	-	-	-	-	-	-	-	13	13	0.4%	2	2	0.3%	11	17	0.6%	2	2	0.4%	5	15		1	2	
34	-	-	-	-	-	-	-	-	-	-	-	-	23	36	1.1%	5	7	0.9%	12	29	1.0%	3	5	1.0%						
35	-	-	-	-	-	-	-	-	-	-	-	-	26	62	1.9%	6	13	1.6%	44	73	2.5%	7	12	2.5%						
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								

yellow = incomplete week

