

Mcclellan, Barbara A (DFW)

From: Willapa Bay (DFW)
Sent: Thursday, October 17, 2019 3:10 PM
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Cc: Herring, Chad J (DFW); Jennings, Lyle F (DFW); Zimmer, Ryan C (DFW); Losee, James P (DFW); Phillips, Larry C (DFW); Allan, Robert C (DFW); John, Ryan W (DFW)
Subject: 2019 Willapa Bay weekly update for stat weeks 41 and part of week 42
Attachments: 2019 WB Commercial Fishery Data thru 10.11.19.pdf; 2019 WB Hatchery Chinook Broodstock Summary 10.16.19.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Hi Everyone,
Below is the weekly update for Willapa Bay. The weekly updates are now being posted to the commercial salmon fishery page on our website. See the last link at the bottom of the page. It will be listed under Willapa Bay.

Willapa Bay Commercial Fishery and Monitoring

The commercial fishery closed at the end of last week (week 41) on October 11. The fishery will remain closed until November 4, when it will reopen. Coho catch has been much lower than predicted to-date through week 41. The number of hatchery Chinook landed to-date was considerably lower compared to the preseason prediction. Effort was very low last week than anticipated in our model. Currently to-date through stat week 41, we are below the prediction for unmarked Chinook encounters, coho, and chum.

See attached filed: 2019 WB Commercial Fishery Data thru 10.11.19.pdf

Hatchery Rack Returns:

See attached file: 2019 WB Hatchery Chinook Broodstock Summary 10.16.19.xlsx

Naselle Hatchery:

There is a new Chinook program release goal for the Naselle Hatchery starting this year of 5,000,000. Last year's program release goal was 2,500,000 Chinook. This additional production is directed at increasing prey availability for Southern Resident Killer Whales. To-date, we have spawned 557 female Chinook. To make the new program goal, we still need an additional 1,110 female Chinook. Currently, we have an estimated 200 adult Chinook on-hand in the pond. These fish are a mix of males and females.

Nemah Hatchery:

The Chinook program release goal for the Nemah Hatchery is 3,300,000. To-date, we have spawned 357 female Chinook. To make program goal we still need an additional 743 female Chinook. Currently, we have an estimated 130 adult Chinook on-hand in the pond. These fish are a mix of males and females.

Forks Creek Hatchery:

There is a new Chinook program release goal for Forks Creek Hatchery starting this year of 400,000. Last year's program release goal was 350,000 Chinook. This additional production is directed at increasing prey availability for Southern Resident Killer Whales. To-date, we have spawned 502 female Chinook. That is enough females to make the program release goal. Currently, we have an estimated 114 adult Chinook on-hand in the facility. These fish are a mix of males and females.

Due to the weather that is started yesterday and will continue for the next few days, the river level is going to rise. With that, we are likely to see more Chinook volunteer into our facilities.

Spawning Ground Surveys

We are currently in the peak weeks for our Chinook indexes and supplementals. We started all of our Chum indexes as well a few weeks ago. Chinook mortalities are currently at normal levels. To-date, we have seen live chum in the rivers but only a few chum spawning in our spawning ground surveys. To get ahead of the weather and rain that is currently here, our staff started our weekly indexes and supplementals on Sunday and all surveys were completed yesterday.

Willapa Bay Salmon Advisory Group:

We have scheduled two advisory group meetings; one October 24 and one November 21. The purpose of these meetings is to review the draft comprehensive review document. These meetings are open to the public and both meetings will be held at the Raymond Elk Lodge in Raymond, WA from 6 p.m. to 8 p.m. The meetings have been posted to the advisory group page of our website. The link to the Willapa Bay advisory group page on our website is listed below.

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/willapa-bay>

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 CHINOOK Landed Catch

MSF

Preliminary Draft

Stat Week	Dates	Catch Areas																		Basin Total Landed	Basin Willapa Origin NOR Landed	Basin Willapa Origin HOR Landed		
		2T				2U				2N				2R				2M						
		Total Landed	UM %	Landed NOR	Landed HOR	Total Landed	UM %	Landed NOR	Landed HOR	Total Landed	UM %	Landed NOR	Landed HOR	Total Landed	UM %	Landed NOR	Landed HOR	Total Landed	UM %				Landed NOR	Landed HOR
36	Sept. 1 - 7	Closed				Closed				258	N/A	258		Closed				428	N/A	428		686	0	686
37	Sept. 8 - 14	Closed				Closed				78	N/A	78		Closed				Closed				78	0	78
38	Sept. 15 - 21	179	N/A	179		187	N/A	187		15	N/A	15		Closed				243	N/A	243		624	0	624
39	Sept. 22 - 28	12	N/A	12		29	N/A	29		9	N/A	9		Closed				15	N/A	15		65	0	65
40	Sept. 29 - Oct. 5	19	N/A	19		28	N/A	28		3	N/A	3		Closed				15	N/A	15		65	0	65
41	Oct. 6 - 12	3	N/A	3		19	N/A	19		0	N/A	0		Closed				1	N/A	1		23	0	23
42	Oct. 13 - 19	Closed				Closed				Closed				Closed				Closed				0	0	0
43	Oct. 20 - 26	Closed				Closed				Closed				Closed				Closed				0	0	0
44	Oct 27 - Nov. 2	Closed				Closed				Closed				Closed				Closed				0	0	0
45	Nov. 3 - 9		N/A	0			N/A	0			N/A	0		Closed					N/A	0		0	0	0
46	Nov. 10 - 16		N/A	0			N/A	0			N/A	0				0	0		N/A	0		0	0	0
47	Nov. 17 - 23		N/A	0			N/A	0			N/A	0				0	0		N/A	0		0	0	0
48	Nov. 24 - 30		N/A	0			N/A	0			N/A	0				0	0		N/A	0		0	0	0
Total Landed		213		0	213	263		0	263	363		0	363	0		0	0	702		0	702	1,541	0	1,541

2019 WB Total CHINOOK Fishery Impacts

Actual Catch + impacts

MSF

Preliminary Draft

Stat Weeks	2T		2U		2N		2R		2M		In-season NOR Impacts	In-season HOR Impacts	PRESEASON Total NOR Impacts (Local + Non local)	PRESEASON Total HOR Impacts (Local + Non local)
	NOR Impacts	HOR Impacts	NOR Impacts	HOR Impacts	NOR Impacts	HOR Impacts	NOR Impacts	HOR Impacts	NOR Impacts	HOR Impacts				
36	0	0	0	0	13	263			28	436	41	698	37	489
37	0	0	0	0	6	81			0	0	6	81	49	626
38	58	197	37	197	3	16			36	248	134	657	228	1,164
39	13	14	30	33	9	10			16	17	68	73	112	393
40	18	29	20	49	3	4			15	22	56	105	61	202
41	1	3	7	19	0	0			0	1	9	23	30	94
42	0	0	0	0	0	0			0	0	0	0	0	0
43	0	0	0	0	0	0			0	0	0	0	0	0
44	0	0	0	0	0	0			0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	2	6
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0	2
48	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	90	242	95	298	34	374	0	0	95	724	315	1,638	519	2,976

2019 WB Total CHINOOK NOR Fishery Impacts Summary

MSF

Actual Catch + impacts

Preliminary Draft

Stat Weeks	2T			2U			2N			2R			2M			In-season Estimated Natural-Origin Impacts		Preseason Predicted Natural-Origin Impacts	
	In-season Total NOR Impacts	In-season Local NOR Impacts	Predicted NOR Impacts	In-season Total NOR Impacts	In-season Local NOR Impacts	Predicted NOR Impacts	In-season Total NOR Impacts	In-season Local NOR Impacts	Predicted NOR Impacts	In-season Total NOR Impacts	In-season Local NOR Impacts	Predicted NOR Impacts	In-season Total NOR Impacts	In-season Local NOR Impacts	Predicted NOR Impacts	Weekly	Cumulative	Weekly	Cumulative
	36	0	0	0	0	0	0	13	9	16	0	0	0	28	26	13	36	36	30
37	0	0	0	0	0	0	6	4	36	0	0	0	0	0	0	4	40	36	66
38	58	37	41	37	35	95	3	2	14	0	0	0	36	33	44	107	147	194	260
39	13	8	31	30	29	18	9	7	5	0	0	0	16	15	38	58	205	92	352
40	18	12	11	20	19	32	3	2	1	0	0	0	15	14	8	47	252	53	405
41	1	1	13	7	7	6	0	0	0	0	0	0	0	0	4	8	259	24	429
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259	0	429
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259	0	429
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259	0	429
45	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	259	2	431
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259	0	431
47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259	0	431
48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259	0	431
Totals	90	57	97	95	90	152	34	25	72	0	0	0	95	88	107	259	259	431	431

Tangle Net

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Willapa Bay COHO Commercial Data

Preliminary Draft

Stat Week	2T				2U				2N				2R				2M				WB In-season			WB Preseason Predicted		
	Landed Catch	UnMarked %	Estimated NOR	Estimated HOR	Landed Catch	UnMarked %	Estimated NOR	Estimated HOR	Landed Catch	UnMarked %	Estimated NOR	Estimated HOR	Landed Catch	UnMarked %	Estimated NOR	Estimated HOR	Landed Catch	UnMarked %	Estimated NOR	Estimated HOR	NOR	HOR	Total	NOR	HOR	Total
36	Closed				Closed				77	0.241	19	58	Closed				109	0.174	19	90	38	148	186	30	379	409
37	Closed				Closed				113	0.212	24	89	Closed				Closed				24	89	113	139	670	809
38	1,635	0.299	489	1,146	1,156	0.113	131	1,025	89	0.189	17	72	Closed				1,434	0.224	322	1,112	959	3,355	4,314	1,892	5,523	7,415
39	262	0.373	98	164	499	0.390	195	304	65	0.413	27	38	Closed				366	0.368	135	231	454	738	1,192	681	4,496	5,177
40	357	0.539	193	164	523	0.511	267	256	47	0.421	20	27	Closed				250	0.495	124	126	603	574	1,177	2,094	5,600	7,694
41	96	0.554	53	43	567	0.582	330	237	0	0.000	0	0	Closed				19	0.400	8	11	391	291	682	3,120	1,500	4,620
42	Closed																				0	0	0	0	0	0
43	Closed																				0	0	0	0	0	0
44	Closed																				0	0	0	0	0	0
45			0	0			0	0			0	0			0	0			0	0	0	0	0	1,267	506	1,773
46			0	0			0	0			0	0			0	0			0	0	0	0	0	122	84	206
47			0	0			0	0			0	0			0	0			0	0	0	0	0	452	212	664
48																				0	0	0	72	25	97	
Total	2,350		833	1,517	2,745		923	1,822	391		106	285	0		0	0	2,178		607	1,571	2,469	5,195	7,664	9,869	18,995	28,864

2019 Estimated WB Commercial CHUM Mortalities

yellow = Chum release required

Preliminary Draft

Gillnet release mortality 0.59 includes drop off

Stat Week	Landed Chum	Chinook Landed	Coho Landed	Encounter Ratio	Chum Encounters	Stat Weeks	In-season Estimated Chum Impacts		Preseason Predicted Chum Impacts	
							Weekly	Cumulative	Weekly	Cumulative
36	0	686	186		0	36	0	0	3	3
37	0	78	113		0	37	0	0	2	5
38	10	624	4,314		0	38	10	10	23	28
39	17	65	1,192		0	39	17	27	98	126
40	51	65	1,177		0	40	51	78	395	521
41	110	23	682		0	41	110	188	2,099	2,620
42	Closed					42	0	188	0	2,620
43	Closed					43	0	188	0	2,620
44		0	0		0	44	0	188	0	2,620
45		0	0		0	45	0	188	1,291	3,911
46		0	0		0	46	0	188	613	4,524
47		0	0		0	47	0	188	175	4,699
48		0	0		0	48	0	188	95	4,794
Totals	188	1,541	7,664		0	Totals	188		4,794	

2019 Willapa Bay Chinook Broodstock Summary

10/17/2019 updated

Naselle Hatchery

Program Release	Fecundity # eggs/female	# of Females Needed	# Females Broodstocked to-date	# Females still needed	# Adults On-hand at the facility	# Eggs on Hand
5,000,000	3,000	1,667	557	1,110	200	1,671,000

Nemah Hatchery

Program Release	Fecundity # eggs/female	# of Females Needed	# Females Broodstocked to-date	# Females still needed	# Adults On-hand at the facility	# Eggs on Hand
3,300,000	3,000	1,100	357	743	130	1,071,000

Forks Creek Hatchery

Program Release	Fecundity # eggs/female	# of Females Needed	# Females Broodstocked to-date	# Females still needed	# Adults On-hand at the facility	# Eggs on Hand
400,000	3,000	133	502	0	114	1,506,000