

WAC 220-354-290 Grays Harbor salmon fall fishery.

is permissible to have a gillnet with a lead line weighing more than two pounds per fathom aboard a vessel when the vessel is fishing in or transiting through Grays Harbor.

(c) Area 2C from October 1 through November 30: Gillnet gear only.

(i) It is unlawful to use set net gear.

(ii) It is unlawful to utilize any object, except the vessel deploying the gear, to impede a gillnet or its attached line or float from drifting.

(iii) Mesh size must not exceed nine inches.

(iv) It is unlawful to use a gillnet to fish for salmon if the lead line weighs more than two pounds per fathom of net as measured on the cork line. ~~The lead line must not rest on the bottom in such a manner as to prevent the net from drifting.~~ It is permissible to have a gillnet with a lead line weighing more than two pounds per fathom aboard a vessel when the vessel is fishing in or transiting through Grays Harbor.

Other:

(3) Recovery boxes and soak times:

WAC 220-350-060**Definitions—Drift gillnet—Drift net.**

"Drift gillnet" or "drift net" gear shall be defined as a gillnet of single web construction, not anchored, tied, staked, placed, or weighted in such a manner that it cannot drift.

[Statutory Authority: RCW 77.04.012, 77.04.013, 77.04.020, 77.04.055, and 77.12.047. WSR 17-05-112 (Order 17-04), recodified as § 220-350-060, filed 2/15/17, effective 3/18/17. Statutory Authority: RCW 75.08.080. WSR 92-15-105 (Order 92-47), § 220-16-040, filed 7/20/92, effective 8/20/92; WSR 88-18-066 (Order 88-86), § 220-16-040, filed 9/2/88; Order 810, § 220-16-040, filed 4/17/69. Formerly WAC 220-16-010 (part).]

District 17 North 2019 Salmon Season proposals as of April 2, 2019

Quinault River

- Same as 2018.

Queets River Basin

- Clearwater River
 - Sept 1 – Nov 30: 1 adult bag.
- Queets and Salmon rivers
 - Sept 1 – Nov 30: 2 adult bag, only 1 Chinook, release wild Coho.

Copalis, Moclips, Joe Creek

- Sept 1 – Dec 31: 2 adult bag, release Chinook.

Grays Harbor Marine Area 2.2

- **North Bay**
 - Aug 1 – Sept 15: 1 adult bag, release wild Coho.
- **East Bay**
 - Sept 16 – Nov 30: 2 adult bag, release Chinook.

Humptulips River

- Sept 1 – Sept 30: 2 adult bag, release wild Chinook and wild Coho.
- Oct 1 – Nov 30: 2 adult bag, one may be a Chinook, release wild Chinook and wild Coho.
- Dec 1 – Dec 31: 2 adult bag, release Chinook and wild Coho.

Chehalis River

- Lower river (South Elma Bridge)
 - Aug 1 – Sept 15: release adult salmon.
- Lower river (Porter Bridge)
 - Sept 16 – Dec 31: 2 adult bag, release Chinook.
- Upper river (Porter Bridge upstream)
 - Oct 1 – Dec 31: 2 adult bag, release Chinook.

Hoquiam, Wishkah, Wynoochee, Satsop, Johns, Elk, Van Winkle

- Oct 1 – Dec 31: 2 adult bag, release Chinook.

Skookumchuck and Newaukum

- Oct 16 – Dec 31: 2 adult bag, release Chinook.

Model D - Lynnwood April 2 2019

Area 2A/2D Week 41	1	12 hr days, tange net, live boxes, short soak, release wild Chinook
Area 2A/2D Week 42	1	12 hr days, tange net, live boxes, short soak, release wild Chinook
Area 2A/2D Week 43	2	12 hr days, live boxes, short soak, release wild Chinook
Area 2A/2D Week 44	3	12 hr days, live boxes, short soak, release wild Chinook
Area 2C Week 42	1	12 hr days, live boxes
Area 2C Week 43	1	12 hr days, live boxes
Area 2C Week 44	2	12 hr days, live boxes
Area 2C Week 45	2	12 hr days, live boxes

Model D - Lynnwood April 2 2019
MODEL D

CHEHALIS RIVER

		Chinook		Coho		Chum	
	Wild	Hatchery	Total	Wild	Hatchery	Total	GH Total
	13,568	2,226	15,794	61,014	44,230	105,244	71,959
Escapement Goal	9,753	578	10,331	28,506	1,500	30,006	21,000
Harvestable	3,815	1,648	5,463	32,508	42,730	75,238	50,959
Non-Treaty Share	1,908	824	2,732	16,254	21,365	37,619	25,480

CHEHALIS RIVER

ANTICIPATED HARVEST IMPACTS

Stat Wk - DATE	AREA	# DAYS	day length	NDR		Chinook		Coho		Chehalis							
				Chin	Coho	Wild	Vild 2A/2D on Hatchery	Hatchery	Total	MSF	Wild	Hatchery	Total	MSI	Chum		
34	all	0	1.00	0.03	0.02	0	0	0	0	1.00	0	0	0	0	1	0	
35	ch eh	0	1.00	0.03	0.02	0	0	0	0	1.00	0	0	0	0	1	0	
36	ch eh	0	1.00	0.03	0.02	0	0	0	0	1.00	0	0	0	0	1	0	
37	ch eh	0	1.00	0.03	0.02	0	0	0	0	1.00	0	0	0	0	1	0	
38	ch eh	0	1.00	0.03	0.02	0	0	0	0	1.00	0	0	0	0	1	0	
39	ch eh	0	1.00	0.03	0.02	0	0	0	0	1.00	0	0	0	0	1	0	
40	ch eh	0	1.00	0.03	0.02	0	0	0	0	1.00	0	0	0	0	1	0	
41	ch eh	1	1.00	0.03	0.02	30	30	27	57	1.00	985	714	1,699	1	150	0	
42	ch eh	1	1.00	0.03	0.02	81	21	25	106	1.00	688	499	1,187	1	323	0	
43	ch eh	2	1.00	0.03	0.02	60	39	11	71	1.00	764	554	1,318	1	2,572	0	
44	ch eh	3	1.00	0.03	0.02	18	8	6	23	1.00	704	511	1,215	1	5,566	0	
45	ch eh	0	0.75	0.03	0.02	0	0	0	0	1.00	3	2	5	1	0	0	
46	ch eh	0	0.75	0.03	0.02	0	0	0	0	1.00	0	0	0	1	0	0	
47	all	0	1.00	0.03	0.02	0	0	0	0	1.00	0	0	0	1	0	0	
48		0	1.00	0.03	0.02	0	0	0	0	1.00	0	0	0	1	0	0	
		7				189	98	69	258		3,145	2,280	5,424		8,610		
						Total NT Net Catch											
2011-2013						198	0.0072	116	314		1,654	1,277	2,931		68		
1973-2013						0		0	0		0	43	43		0		
1991-2013						290	109	74	472		5,199	4,737	9,936		1,461		
						487		190	786		6,853	6,057	12,910		1,529		
						320		0	320		703	1,922	2,625		0		
						997	98	259	1,364		10,701	10,259	20,960		10,139		
						9,873		1,525	11,290		38,214	25,200	63,414		40,034		
						9,753		578	10,331		28,506	1,500	30,006		21,000		
						120		947	959		9,708	23,700	33,408		19,034		
						911		565	1,367		5,553	11,106	16,659		14,206		
						0.073	0.049874	0.116	0.086		0.175	0.232	0.174		0.157		
						Terminal Harvest Rate											
						Share Remaining											
						Expected Escapement											
						Escapement Goal											
						Total Remaining Harvest											

Model D - Lynnwood April 2 2019
MODEL D

HUMPTULIPS RIVER					
Chinook			Coho		
Wild	Hatchery	Total	Wild	Hatchery	Total
4,427	5,435	9,862	5,103	10,077	15,180
Escapement Goal 3,573	369	3,942	6,894	400	7,294
854	5,066	5,920	-1,791	9,677	7,886
Non-Treaty Share 427	2,533	2,960	-896	4,839	3,943
HUMPTULIPS RIVER					
Chum			Chum		
Escapement Goal 21,000			Escapement Goal 21,000		
Harvestable 50,959			Harvestable 50,959		
Non-Treaty Share 25,480			Non-Treaty Share 25,480		

ANTICIPATED HARVEST IMPACTS

HUMPTULIPS RIVER																
Chinook																
DATE	AREA	# DAYS	length	Chin	Coho	MSF	Wild	Wild Hump onl	Hatchery	Total	MSF	Wild	Hatchery	Total	Humtuplups Chum	
34	18-Aug-19	0	1.00	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
35	25-Aug-19	0	1.00	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
36	1-Sep-19	0	1.00	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
37	8-Sep-19	0	1.00	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
38	15-Sep-19	0	0.75	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
39	22-Sep-19	0	1.00	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
40	29-Sep-19	0	1.00	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
41	6-Oct-19	0	1.00	0.03	0.02	1.00	3	0	4	7	1.00	7	13	20	1	
42	13-Oct-19	1	1.00	0.03	0.02	1.00	115	113	141	256	1.00	38	74	112	1	
43	20-Oct-19	1	0.75	0.03	0.02	1.00	42	40	51	93	1.00	22	43	64	1	
44	27-Oct-19	2	1.00	0.03	0.02	1.00	20	18	25	45	1.00	15	30	45	1	
45	3-Nov-19	2	0.75	0.03	0.02	1.00	1	1	1	2	1.00	9	18	27	1	
46	10-Nov-19	0	1.00	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
47	17-Nov-19	0	1.00	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
48	48-53	0	1.00	0.03	0.02	1.00	0	0	0	0	1.00	0	0	0	0	
Total NT Net Catch							181	171	222	403		90	177	267	924	
GH Marine Area 2.2							73	3.8664%	264	337		27	268	295		
FW River Sport							173		2,582	2,755		128	1,564	1,692	210	
Total NT Sport Catch							246		2,846	3,091		155	1,832	1,987	210	
Total NT Humptulip River Terminal Impact													244	2,009	2,254	1,134
Expected Escapement							2,880		991	3,871		3,359	5,108	8,467	40,034	
Escapement Goal							3,573		369	3,942		6,894	400	7,294	21,000	
Total Remaining Harvestable							-693		622	-71		-3,535	4,708	1,173	19,034	
Share Remaining							0		-535	-535		-1,140	2,829	1,689	14,206	
Terminal Harvest Rate							0.096		0.564	0.354		4.7899%	0.199	0.148	0.157	

Model D - updated Lynwood April 2, 2019

Chehalis 2A and 2D			
WDFW managed		goal	model
Chinook	share	1,908	677
	goal	9,753	9,873
	commercial rate	< or = 0.8%	0.72%
	WDFW total	< or = 5.0%	4.99%
	MA2.2	27%	40%
	FW	73%	59%
Coho	share	16,254	9,998
	goal	28,506	38,214
	WDFW total	< or = 5.0%	17.5%
	MA2.2	27%	23%
	FW	73%	77%

Humptulips 2C			
WDFW managed		goal	model
Chinook	rate	< or = 5.4%	3.9%
	share	427	427
	goal	3,573	2,880
	MA 2.2	37%	11%
	FW	63%	70%
Coho	goal	6,894	3,359
	WDFW total	< or = 5.0%	4.79%
	Total	< or = 10%	34.2%
	MA 2.2	18%	0.15
	FW	82%	85%

Grays Harbor Total			
Chinook	goal	13,326	12,753
	share (incl. CTCR)	2,335	1,424
Coho	goal	35,400	41,573
	share (incl. CTCR)	15,358	10,945
			15.5%
Chum	goal	21,000	40,034
	share (incl. CTCR)	25,480	11,273
MA 2.2	= to or <2%	3.89%	
FW	>98%	96%	\$ 154,261

2019 Grays Harbor Fall Salmon Management Summary Table

Model D - Lynnwood April 2 2019

MODEL D

CHEHALIS RIVER BASIN									
	Chinook			Coho			Chum		
	Natural	Hatchery	Total	Natural	Hatchery	Total	Natural	Hatchery	Total
Escapement Goals	13,568	2,226	15,794	61,014	44,230	105,244	66,792	5,167	71,959
Total Available Harvestable	9,753	578	10,331	28,506	1,500	30,006			21,000
Non-treaty Share	3,815	1,648	5,463	32,508	42,730	75,238			50,959
	1,908	824	2,732	16,254	21,365	37,619			25,480
Chehalis River Management Objectives									
Proportion of Rec Marine Area 2.2	<27%			<27%					< 2% total
Commercial Impact Rate in 2A-D Only	< 0.8%								
Total WDFW-managed fishery	=<5%			=<5%					
Harvest Impacts									
WDFW-managed fishery Harvest Rate	677	259	936	9,998	8,337	18,335			10,139
Marine Area 2.2 Harvest	198	116	314	1,654	1,320	2,974			68
Freshwater Harvest	290	74	364	5,199	4,737	9,936			1,461
Commercial Harvest (Area 2A, 2D)	189	69	258	3,145	2,280	5,424			8,610
Chehalis Tribal Harvest	320	0	320	703	1,922	2,625			0
QIN Treaty Harvest	2,698	442	3,140	12,099	8,771	20,870			12,535
Total Chehalis Basin Harvest	3,695	701	4,396	22,800	19,030	41,830			22,674
Expected Escapement	9,873	1,525	11,398	38,214	25,200	63,414			N/A
Harvest Rates									
WDFW-managed fishery Harvest Rate	5.0%	11.63%	5.92%	16.39%	18.85%	17.42%			14.09%
Total Recreational harvest rate	3.59%	8.54%	4.29%	11.23%	13.69%	12.27%			2.12%
Proportion of Rec Marine Area 2.2	40.5%	61.18%	46.33%	24.1%	21.80%	23.04%			4.42%
Proportion of Rec Freshwater	59.47%	38.82%	53.67%	75.86%	78.20%	76.96%			95.58%
Commercial Impact Rate in 2A-D only	0.72%								
Commercial harvest rate	1.40%	3.09%	1.63%	5.15%	5.15%	5.15%			11.97%
Chehalis Tribal harvest rate	2.36%	0.00%	2.03%	1.15%	4.35%	2.49%			0.00%
QIN Treaty Harvest Rate	19.89%	19.86%	19.88%	19.83%	19.83%	19.83%			17.42%
Total Chehalis Basin Harvest Rate	27.23%	31.49%	27.83%	37.37%	43.02%	39.75%			31.51%

MODEL D

HUMPTULIPS RIVER BASIN

	Chinook			Coho			Chum		
	Natural	Hatchery	Total	Natural	Hatchery	Total	Natural	Hatchery	Total
Escapement Goal	4,427	5,435	9,862	5,103	10,077	15,180	66,792	5,167	71,959
Total Available Harvestable	3,573	369	3,942	6,894	400	7,294			21,000
Non-treaty Share	854	5,066	5,920	-1,791	9,677	7,886			50,959
	427	2,533	2,960	-896	4,839	3,943			25,480

Humptulips River Management Objectives

Marine Area 2.2 impact rate 37%
 Commercial impact rate in 2C Only < 5.4%
 Total Impacts 18 - 34%
 < 5%

Harvest Impacts

Non-treaty Harvest	427	3,068	3,495	244	2,009	2,254	1,134	0
Marine Area 2.2 Harvest	73	264	337	27	268	295		
Freshwater Harvest	173	2,582	2,755	128	1,564	1,692		210
Commercial Harvest	181	222	403	90	177	267		924
QIN Treaty Harvest	1,121	1,376	2,497	1,499	2,960	4,459	8,117	
Total Humptulips Basin Harvest	1,547	4,444	5,991	1,743	4,969	6,713	9,251	

Expected Escapement

	2,880	991	3,871	3,359	5,108	8,467	N/A	
--	-------	-----	-------	-------	-------	-------	-----	--

Harvest Rates

WDFW-managed fishery Harvest Rate	9.64%	56.45%	35.43%	4.79%	19.94%	14.85%	1.58%	
Total Recreational harvest rate	5.55%	52.36%	31.35%	3.03%	18.18%	13.09%	0.29%	
Proportion of Rec Marine Area 2.2	29.6%	9.28%	10.89%	17.3%	14.63%	14.84%	See above	
Proportion of Rec Freshwater	70.45%	90.72%	89.11%	82.65%	85.37%	85.16%	100.00%	

Commercial harvest rate in 2C Only 3.87%

Commercial harvest rate 4.09%

QIN Treaty Harvest Rate

Commercial harvest rate	4.09%	4.09%	4.09%	1.76%	1.76%	1.76%	1.28%	
Total Harvest Rate	34.95%	81.76%	60.75%	34.16%	49.31%	44.22%	11.28%	12.86%

MODEL D

GRAYS HARBOR TOTAL									
	Chinook			Coho			Chum		
	Natural	Hatchery	Total	Natural	Hatchery	Total	Natural	Hatchery	Total
Escapement Goal	17,995	7,661	25,656	66,116	54,308	120,424	66,792	5,167	71,959
Total Available Harvestable	13,326	947	14,273	35,400	1,900	37,300			21,000
Non-treaty Share	4,669	6,714	11,383	30,716	52,408	83,124			50,959
	2,335	3,357	5,692	15,358	26,204	41,562			25,480
Management Objectives									
Marine Area 2.2 impact rate	33								
Commercial impact rate	< 2% total								
Total Impacts									
Harvest Impacts									
WDFW Managed Harvest	1,103	3,327	4,430	10,242	10,346	20,588			11,273
Marine Area 2.2 Harvest	270	380	650	1,681	1,588	3,269			68
Freshwater Harvest	463	2,656	3,118	5,327	6,301	11,628			1,671
Commercial Harvest	370	291	661	3,234	2,457	5,691			9,535
Chehalis Tribe	320	0	320	703	1,922	2,625			0
Total NT - Harvest	1,424	3,327	4,750	10,945	12,268	23,214			11,273
QIN Treaty Harvest	3,819	1,818	5,637	13,598	11,731	25,329			20,652
Total GH Harvest	5,242	5,145	10,387	24,543	23,999	48,543			31,925
Expected Escapement	12,753	2,516	15,269	41,573	30,308	71,881			40,034
Harvest Rates									
Non-treaty Harvest Rate	6.13%	43.43%	17.27%	15.49%	19.05%	17.10%			15.67%
Proportion of Rec Marine Area 2.2									
Marine Area 2.2 harvest rate	1.50%	4.96%	2.54%	2.54%	2.92%	2.71%			0.09%
Freshwater harvest rate	2.57%	34.66%	12.15%	8.06%	11.60%	9.66%			2.32%
Commercial harvest rate	2.06%	3.80%	2.58%	4.89%	4.52%	4.73%			13.25%
QIN Treaty Harvest Rate	21.22%	23.73%	21.97%	20.57%	21.60%	21.03%			28.70%
Total GH Harvest Rate	29.13%	67.15%	40.49%	37.12%	44.19%	40.31%			44.37%

Grays Harbor Fall Treaty Terminal Area Planning Model

April 2 2019 Provided NOF #2 Lynnwood.

MODEL D

CHEHALIS RIVER			ANTICIPATED HARVEST IMPACTS							
Date	Stat		Wild	Hatchery	Total	Wild	Hatchery	Total	Chum	
	Week	Days	Coho	Coho	Coho	Chinook	Chinook	Chinook		
9/1 - 9/7	36	0	0	0	0	0	0	0	0	
9/8 - 9/14	37	0	0	0	0	0	0	0	0	
9/15 - 9/21	38	0	0	0	0	0	0	0	0	
9/22 - 9/28	39	0	0	0	0	0	0	0	0	
9/29 - 10/5	40	3	2,617	1,897	4,514	893	147	1,040	495	
10/6 - 10/12	41	3	4,296	3,114	7,410	1,163	191	1,354	869	
10/13 - 10/19	42	3	3,146	2,280	5,426	581	95	676	3,567	
10/20 - 10/26	43	0	0	0	0	0	0	0	0	
10/27 - 11/2	44	0	0	0	0	0	0	0	0	
11/3 - 11/9	45	3	1,020	740	1,760	39	6	45	5,638	
11/10 - 11/16	46	3	481	349	830	15	2	17	1,595	
11/17 - 11/23	47	3	289	209	498	5	1	6	317	
11/24 - -----	48-53	5	250	182	432	2	0	2	54	
			17	12,099	8,771	20,870	2,698	442	3,140	12,535

CHEHALIS RIVER TERMINAL IMPACT SUMMARY

	Wild Coho	Hatchery Coho	Total Coho	Wild Chinook	Hatchery Chinook	Total Chinook	Total Chum
Treaty Commercial	12,099	8,771	20,870	2,698	442	3,140	12,535
Treaty Harvest Rate	0.1983			0.1989			
NT Commercial	3,145	2,280	5,424	189	69	258	8,610
NT Sport	6,853	6,057	12,910	487	190	677	1,529
Chehalis Tribal	703	1,922	2,625	320	0	320	0
Total NT Harvest	10,701	10,259	20,960	997	259	1,256	10,139
NT Harvest Rate	0.1754			0.0735			
Total Terminal Harvest	22,800	19,030	41,830	3,695	701	4,396	22,674
Total Harvest Rate	0.3737			0.2723			0.1742
Escapement	38,214	25,200	63,414	9,873	1,525	11,398	

MODEL D

HUMPTULIPS RIVER

ANTICIPATED HARVEST IMPACTS

Date	Stat Week	Days	Wild Coho	Hatchery Coho	Total Coho	Wild Chinook	Hatchery Chinook	Total Chinook	Total Chum
9/1 - 9/7	36	0	0	0	0	0	0	0	0
9/8 - 9/14	37	0	0	0	0	0	0	0	0
9/15 - 9/21	38	3	85	168	254	86	105	191	0
9/22 - 9/28	39	3	91	181	272	174	213	387	15
9/29 - 10/5	40	4	412	813	1,225	285	350	636	72
10/6 - 10/12	41	4	304	600	904	148	182	330	195
10/13 - 10/19	42	4	273	540	813	209	256	465	1,384
10/20 - 10/26	43	3	116	230	346	178	218	396	3,176
10/27 - 11/2	44	3	103	203	305	34	42	76	3,173
11/3 - 11/9	45	0	0	0	0	0	0	0	0
11/10 - 11/16	46	0	0	0	0	0	0	0	0
11/17 - 11/23	47	3	30	58	88	5	6	10	92
11/24 - -----	48-53	5	85	168	253	3	3	6	9
		32	1,499	2,960	4,459	1,121	1,376	2,497	8,117

**HUMPTULIPS RIVER
TERMINAL IMPACT SUMMARY**

	Wild Coho	Hatchery Coho	Total Coho	Wild Chinook	Hatchery Chinook	Total Chinook	Total Chum
Treaty Commercial	1,499	2,960	4,459	1,121	1,376	2,497	8,117
Treaty Harvest Rate	0.2937			0.2532			
NT Commercial	90	177	267	181	222	403	924
NT Sport	155	1,832	1,987	246	2,846	3,091	210
Total NT Harvest	244	2,009	2,254	427	3,068	3,495	1,134
NT Harvest Rate	0.0479			0.0964			
Total Terminal Harvest	1,743	4,969	6,713	1,547	4,444	5,991	9,251
Total Harvest Rate	0.3416			0.3495			0.1286
Escapement	3,359	5,108	8,467	2,880	991	3,871	

MODEL D

FORECAST INPUTS

	Chehalis	Humptulips	GH Total	Description
wild coho	61,014	5,103	66,116	PFMC model run 1731 ocean escapement
hatchery coho	44,230	10,077	54,308	PFMC model run 1731 ocean escapement
wild chinook	13,568	4,427	17,995	Terminal Run size forecast
hatchery chinook	2,226	5,435	7,661	Terminal Run size forecast
Chum			71,959	Terminal Run size forecast

**GRAYS HARBOR
TERMINAL IMPACT SUMMARY**

	Wild Coho	Hatchery Coho	Total Coho	Wild Chinook	Hatchery Chinook	Total Chinook	Total Chum
Treaty Commercial	13,598	11,731	25,329	3,819	1,818	5,637	20,652
Harvest Rate	0.2057			0.2122			0.2870
Non-Treaty 2A-2D Commercial	3,234	2,457	5,691	370	291	661	9,535
Non-Treaty Sport	7,008	7,889	14,897	733	3,036	3,769	1,739
Chehalis Tribe	703	1922	2625	320	0	320	0
Total Non-Treaty Harvest	10,945	12,268	23,214	1,424	3,327	4,750	11,273
Harvest Rate	0.1655			0.0791			0.1567
Total Terminal Harvest	24,543	23,999	48,543	5,242	5,145	10,387	31,925
Harvest Rate	0.3712			0.2913			0.4437
Expected Escapement	41,573	30,308	71,881	12,753	2,516	15,269	40,034
Escapement Goal	35,400			13,326			21,000

FISH AND WILDLIFE COMMISSION POLICY DECISION

POLICY TITLE: Grays Harbor Basin
Salmon Management

POLICY NUMBER: C-3621

Cancels or
 Supercedes: NA

Effective Date: March 1, 2014
 Termination Date: December 31, 2023

See Also: Policies C-3608, C-3619

Approved February 8, 2014

by: *Miranda Wecker*, Chair
 Washington Fish and Wildlife Commission

Purpose

The objective of this policy is to advance the conservation and restoration of wild salmon. Where consistent with this conservation objective, the policy also seeks to maintain or enhance the economic well-being and stability of the fishing industry in the state, provide the public with outdoor recreational experiences and a fair distribution of fishing opportunities throughout the Grays Harbor Basin, and improve the technical rigor of fishery management. Enhanced transparency and information sharing are needed to restore and maintain public trust and support for management of Grays Harbor salmon fisheries.

Definition and Intent

This policy sets a general management direction and provides guidance for Washington Department of Fish and Wildlife (Department) management of all Pacific salmon returning to the Grays Harbor Basin. The Grays Harbor Basin is defined as Grays Harbor and its freshwater tributaries.

General Policy Statement

This policy provides a cohesive set of principles and guidance to promote the conservation of wild salmon and steelhead and improve the Department's management of salmon in the Grays Harbor Basin. The Fish and Wildlife Commission (Commission) recognizes that management decisions must be informed by fishery monitoring (biological and economic), and that innovation and adaptive management will be necessary to achieve the stated purpose of this policy. By improving communication, information sharing, and transparency, the Department shall promote improved public support for management of Grays Harbor salmon fisheries.

State commercial and recreational fisheries will need to increasingly focus on the harvest of abundant hatchery fish. Mark-selective fisheries are a tool that permits the harvest of abundant hatchery fish while reducing impacts on wild stocks needing protection. As a general policy, the Department shall implement mark-selective salmon fisheries, unless the wild populations substantially affected by the fishery are meeting

spawner (e.g., escapement goal) and broodstock management objectives. In addition, the Department may consider other management approaches provided they are as or more effective than a mark-selective fishery in achieving spawner and broodstock management objectives.

Fishery and hatchery management measures should be implemented as part of an "all-H" strategy that integrates hatchery, harvest, and habitat systems. Although the policy focuses on fishery management, this policy in no way diminishes the significance of habitat protection and restoration.

In implementing the policy guidelines, the Department will work with the tribes in a manner that is consistent with *U.S. v. Washington* and other applicable state and federal laws and agreements.

Guiding Principles

The Department will apply the following principles in the management of salmon in the Grays Harbor Basin:

- 1) Promote the conservation and restoration of salmon and steelhead by working with our partners (including Regional Fishery Enhancement Groups and Lead Entities) to protect and restore habitat productivity, implementing hatchery reform, and managing fisheries consistent with conservation objectives.
- 2) Meet the terms of *U.S. v. Washington* and other federal court orders and promote a strong relationship with the Quinault Indian Nation. Spawning escapement goals, fisheries, and artificial production objectives will be developed and jointly agreed with the Quinault Indian Nation. The Department shall seek agreement with the Quinault Indian Nation to manage fisheries with the intent of meeting the Chinook and coho salmon spawner goals for the Humptulips River and the Chinook and coho spawner goals for the Chehalis River. Agreements between the Department and the Quinault Indian Nation related to salmon in the Grays Harbor Basin shall be made available to the public through the agency web site.
- 3) The Department will work through the Pacific Salmon Commission to promote the conservation of Grays Harbor salmon and, in a manner consistent with the provisions of the Pacific Salmon Treaty, pursue the implementation of fishery management actions necessary to achieve agreed conservation objectives.
- 4) Within the Pacific Fishery Management Council (Council) process, the Department will support management measures that promote the attainment of Grays Harbor conservation objectives consistent with the Council's Salmon Fishery Management Plan.
- 5) In a manner consistent with conservation objectives, seek to enhance the overall economic well-being and stability of Grays Harbor Basin fisheries.

- 6) When establishing fishery seasons, the Department shall consider the anticipated impact of both Quinault Indian Nation and nontreaty fisheries in the Grays Harbor Basin.
- 7) In a manner consistent with conservation objectives, fishing opportunities will be fairly distributed across fishing areas and reflect the diverse interests of WDFW-managed fishers.
- 8) Recreational and WDFW-managed commercial fisheries shall be structured (e.g., schedule, location, gear) to minimize gear and other fishery conflicts. WDFW-managed commercial gillnet fisheries in a fishing area or aggregate area (i.e., Area 2A/2B/2D; or Area 2C) shall be scheduled, if possible, so that in any given calendar week there are a minimum of three consecutive days when no treaty or state-managed commercial fisheries occur. If the treaty fishery occurs 4 or more days in a calendar week, no WDFW-managed commercial fishery shall occur in the remaining days of the week.
- 9) Monitoring, sampling, and enforcement programs will adequately account for species and population impacts (landed catch and incidental fishing mortality) of all recreational and WDFW-managed commercial fisheries and ensure compliance with state regulations.
- 10) If it becomes apparent that a scheduled fishery will exceed its preseason catch expectation, and the overage will put at risk the attainment of conservation objectives, the Department shall implement inseason management actions that are projected to enhance the effectiveness of fishery management relative to the attainment of the conservation objectives and impact sharing in the preseason fishery plan.
- 11) Salmon management will be well documented, transparent, well-communicated, and accountable. The Department shall strive to make ongoing improvements in the transparency of fishery management and for effective public involvement. These shall include: a) clearly describing management objectives in a document available to the public prior to the initiation of the preseason planning process; b) enhancing opportunities for public engagement during the preseason fishery planning process; c) communicating inseason information and management actions to advisors and the public; d) seeking Quinault Indian Nation support for the inclusion of observers in co-management meetings; and e) striving to improve communication with the public regarding co-management issues that are under discussion.
- 12) The Department shall seek to improve fishery management and technical tools through improved fishery monitoring, the development of new tools, and rigorous assessment of fishery models and parameters.

- 13) The Department shall explore and pursue options to increase hatchery production in the Grays Harbor Basin in a manner consistent with the Hatchery and Fishery Reform policy (C-3619). These shall include:
 - a. The Department shall work with the public and parties to the Wynoochee Settlement Agreement with the goal of submitting to the Federal Energy Regulatory Commission by September 30, 2014 the Wynoochee Dam mitigation plan and initiate spending of the mitigation funds in an expeditious manner thereafter.
 - b. The Department shall seek restoration of hatchery funding cut in the Grays Harbor Basin since the 2007-2009 biennium.

- 14) When a mark-selective fishery occurs, the mark-selective fishery shall be implemented, monitored, and enforced in a manner designed to achieve the anticipated conservation benefits.

Fishery and Species-Specific Guidance

Subject to the provisions of the Adaptive Management section, the following fishery-and species-specific sections describe the presumptive path for achieving conservation objectives and a fair sharing of harvestable fish.

Spring Chinook Salmon

Subject to the adaptive management provisions of this policy, the Department will manage spring Chinook salmon fisheries consistent with the Guiding Principles and the following objectives:

- 1) Fisheries will be managed with the intent of achieving escapement goals for wild spring Chinook. In no case, shall WDFW-managed fisheries result in an impact of more than 5% of the return when the natural-origin adult return exceeds the spawner objective by less than 10%.

- 2) Prioritize freshwater recreational fisheries, with an objective of opening freshwater areas no later than May 1.

Fall Chinook Salmon

Subject to the adaptive management provisions of this policy, the Department will manage fall Chinook salmon fisheries consistent with the Guiding Principles and the following objectives:

- 1) Fisheries will be managed with the intent of achieving escapement goals for wild and hatchery Chinook. In no case, shall WDFW-managed fisheries result in an impact of more than 5% of the return when the natural-origin adult return exceeds the spawner objective by less than 10%.

- 2) The fishery management objectives for fall Chinook salmon, in priority order, are to:

- a) achieve spawner goals;
 - b) provide meaningful recreational fishing opportunities; and
 - c) limit commercial fishery impacts to the incidental harvest of fall Chinook during fisheries directed at other species.
- 3) The following guidelines describe the anticipated sharing of fishery impacts in the Grays Harbor Basin between WDFW-managed commercial, marine recreational, and freshwater recreational fisheries. Variation from these guidelines may occur if it will result in fisheries that more closely achieve the stated purpose of this policy.

- a) WDFW-managed commercial fisheries in the Grays Harbor Basin shall have the following impact limits:

Areas 2A, 2B, 2D: the impact rate of the state-managed commercial fishery shall be 0.8% on natural-origin Chehalis fall Chinook when the impact of the recreational fishery is equal to or greater than 4.2%. The impact rate of the WDFW-managed commercial fishery may be less than 0.8% when conservation concerns for natural-origin Chehalis fall Chinook result in a less than 4.2% impact rate in the recreational fishery.

When the terminal run of natural-origin Chehalis fall Chinook reaches an abundance of 18,793, the impact rate of the WDFW-managed commercial fishery shall linearly increase from 0.8% to a maximum of 5.8% at a terminal run of 25,000 natural-origin Chehalis fall Chinook.

Area 2C: the impact rate of the state-managed commercial fishery shall be 1.2% on natural-origin Humptulips fall Chinook when the impact of the recreational fishery is equal to or greater than 3.8%. The impact rate of the WDFW-managed commercial fishery may be less than 1.2% when conservation concerns for Humptulips natural-origin fall Chinook result in a less than 3.8% impact rate in the recreational fishery.

When the terminal run of natural-origin Humptulips fall Chinook reaches an abundance of 3,779, the impact rate of the WDFW-managed commercial fishery shall linearly increase from 1.2% to a maximum of 5.4% at a run of 4,070 natural-origin Humptulips fall Chinook.

- b) Chehalis Fall Chinook. Fisheries shall be developed with the intent of achieving the following sharing of impacts within the recreational fishing sector:

Run Size	% to Freshwater	% to Area 2-2
Small ¹	73%	27%
Large	52%	48%

- c) Humptulips Fall Chinook. Fisheries shall be developed with the intent of achieving the following sharing of impacts within the recreational fishing sector:

Run Size	% to Freshwater	% to Area 2-2
Small	78%	22%
Large	63%	37%

Coho Salmon

Subject to the adaptive management provisions of this policy, the Department will manage coho salmon fisheries consistent with the Guiding Principles and the following objectives:

- 1) Fisheries will be managed with the intent of achieving escapement goals for wild and hatchery coho salmon. In no case, shall WDFW-managed fisheries result in an impact of more than 5% of the return when the natural-origin adult return exceeds the spawner objective by less than 10%.
- 2) The following guidelines describe the anticipated sharing of fishery impacts in the Grays Harbor Basin between marine recreational and freshwater recreational fisheries. Variation from these guidelines may occur if it will result in fisheries that more closely achieve the stated purpose of this policy.

- a) Chehalis Coho. Fisheries shall be developed with the intent of achieving the following sharing of impacts within the recreational fishing sector:

Run Size	% to Freshwater	% to Area 2-2
Small	73%	27%
Large	55%	45%

- b) Humptulips Coho. Fisheries shall be developed with the intent of achieving the following sharing of impacts within the recreational fishing sector:

Run Size	% to Freshwater	% to Area 2-2
Small	82%	18%
Large	66%	34%

¹ A small run is defined as a run size less than 110% of the spawner goal. A large run is defined as more than 182% of the spawner goal for fall Chinook salmon and more than 156% of the spawner goal for coho and chum salmon.

Chum Salmon

Subject to the adaptive management provisions of this policy, the Department will manage chum salmon fisheries consistent with the Guiding Principles and the following objectives:

- 1) Fisheries will be managed with the intent of achieving escapement goals for wild and hatchery chum salmon. In no case, shall WDFW-managed fisheries result in an impact of more than 5% of the return when the natural-origin adult return exceeds the spawner objective by less than 10%.
- 2) No fisheries directed at chum salmon shall occur unless the adult coho salmon return exceeds spawner objectives, or if coho salmon impacts remain after coho and Chinook salmon fisheries.
- 3) The following guidelines describe the anticipated sharing of fishery impacts between marine recreational and freshwater recreational fisheries. Variation from these guidelines may occur if it will result in fisheries that more closely achieve the stated purpose of this policy.
 - a) Fisheries shall be developed with the intent of achieving the following sharing of impacts within the recreational fishing sector:

Run Size	% to Freshwater	% to Area 2-2
Small	>98%	≤2%
Large	>98%	≤2%

Adaptive Management

The Commission recognizes that adaptive management will be essential to achieve the purpose of this policy. Department staff may implement actions to manage adaptively to achieve the objectives of this policy and will coordinate with the Commission, as needed, in order to implement corrective actions. Components of the adaptive management will be shared with the public through the agency web site and will include the following elements:

- 1) **Annual Fishery Management Review.** The Department shall annually evaluate fishery management tools and parameters and identify improvements as necessary to accurately predict fishery performance and escapement.

As a component of the annual fishery management review, the Department shall assess if spawner goals were achieved for Chehalis spring Chinook, Chehalis fall Chinook, Humptulips fall Chinook, Chehalis coho, Humptulips coho, and Grays Harbor chum salmon. If the number of natural-origin spawners was less than the goal in 3 out of the last 5 years (beginning in 2009), the Department shall implement the following measures:

- a) The predicted fishery impact for that stock in WDFW-managed fisheries in the Grays Harbor Basin will not exceed 5% of the adult return to Grays Harbor; and
 - b) If a spawner goal for fall Chinook salmon is not achieved, the Grays Harbor control zone² off of the mouth of Grays Harbor will be implemented no later than the second Monday in August and continue until the end of September.
- 2) Inseason Management. The Department shall develop, evaluate, and implement fishery management models, procedures, and management measures that are projected to enhance the effectiveness of fishery management relative to management based on preseason predictions.
 - 3) Spawner Goals. The Department shall review spawner goals to ensure that they reflect the current productivity of salmon. The review shall be initiated with Chinook salmon in 2014.

To promote improved management of chum salmon, the Department shall include in the 2015 annual review an evaluation of options to improve chum salmon stock assessments. The Department shall subsequently initiate in 2015 a review of the spawner goal for chum salmon.

Delegation of Authority

The Commission delegates the authority to the Director, through the North of Falcon stakeholder consultation process, to set seasons for recreational and WDFW-managed commercial fisheries in Grays Harbor, to adopt permanent and emergency regulations to implement these fisheries, and to make harvest agreements with treaty tribes and other government agencies.

² The Grays Harbor control zone is defined as an area at the entrance to Grays Harbor bounded by a line from the lighthouse 1 mile south of the south jetty to buoy #2 to buoy #3 to the tip of the north jetty to the tip of the exposed end of the south jetty.