

2020 Grays Harbor Fall Salmon Management Summary Table Addendum 3/27/2020

Model A Base – 2020 Forecasts with 2019 fisheries (PFMC Coho run 2016B)

CHEHALIS RIVER BASIN									
	Chinook			Coho			Chum		
	Natural	Hatchery	Total	Natural	Hatchery	Total	Natural	Hatchery	Total
Escapement Goals	11,144	2,189	13,333	43,222	26,607	69,830	30,324	2,325	32,649
Total Available Harvestable	9,753	578	10,331	28,506	1,500	30,006			21,000
Non-treaty Share	1,391	1,611	3,002	14,716	25,107	39,824			11,649
	696	806	1,501	7,358	12,554	19,912			5,825
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	551	179	730	7,422	4,756	12,178			6,280
Marine Area 2.2 Harvest	168	76	244	1,160	836	1,997			35
Freshwater Harvest	257	75	332	4,692	2,953	7,645			653
Commercial Harvest (Area 2A, 2D)	126	29	155	1,570	966	2,537			5,592
Chehalis Tribal Harvest	117	0	117	318	1,073	1,391			0
QIN Treaty Harvest	2,231	438	2,669	8,994	5,537	14,531			6,829
Total Chehalis Basin Harvest	2,899	617	3,516	16,734	11,365	28,100			13,109
Expected Escapement	8,245	1,572	9,817	26,488	15,242	41,730			N/A
Harvest Rates									
WDFW-managed fishery Harvest Rate	4.9%	8.18%	5.47%	17.17%	17.87%	17.44%			19.23%
Total Recreational harvest rate	3.81%	6.86%	4.31%	13.54%	14.24%	13.81%			2.11%
Proportion of Rec Marine Area 2.2	39.5%	50.31%	42.34%	19.8%	22.07%	20.71%			5.05%
Proportion of Rec Freshwater	60.48%	49.69%	57.66%	80.17%	77.93%	79.29%			94.95%
Commercial Impact Rate in 2A-D only	0.68%								
Commercial harvest rate	1.13%	1.33%	1.16%	3.63%	3.63%	3.63%			17.13%
Chehalis Tribal harvest rate	1.05%	0.00%	0.88%	0.74%	4.03%	1.99%			0.00%
QIN Treaty Harvest Rate	20.02%	20.02%	20.02%	20.81%	20.81%	20.81%			20.92%
Total Chehalis Basin Harvest Rate	26.01%	28.21%	26.37%	38.72%	42.71%	40.24%			40.15%
HUMPTULIPS RIVER BASIN									
	Chinook			Coho			Chum		
	Natural	Hatchery	Total	Natural	Hatchery	Total	Natural	Hatchery	Total
Escapement Goal	3,857	4,683	8,540	3,606	11,180	14,787	30,324	2,325	32,649
Total Available Harvestable	3,573	369	3,942	6,894	400	7,294			21,000
Non-treaty Share	142	2,157	2,299	-1,644	5,390	3,746			5,825
Humptulips River Management Objectives									
Marine Area 2.2 impact rate	37%			18 - 34%					
Commercial impact rate in 2C Only	< 5.4%								
Total Impacts				< 5%					
Harvest Impacts									
WDFW-managed fishery Harvest	223	2,147	2,370	133	1,611	1,744			212
Marine Area 2.2 Harvest	11	102	114	10	122	133			0
Freshwater Harvest	110	1,918	2,028	67	1,315	1,381			95
Commercial Harvest	102	126	228	56	174	230			117
QIN Treaty Harvest	620	752	1,372	846	2,623	3,470			4,031
Total Humptulips Basin Harvest	842	2,899	3,742	979	4,234	5,213			4,243
Expected Escapement	3,015	1,784	4,798	2,627	6,946	9,573			N/A
Harvest Rates									
WDFW-managed fishery Harvest Rate	5.77%	45.84%	27.75%	3.69%	14.41%	11.79%			0.65%
Total Recreational harvest rate	3.14%	43.15%	25.08%	2.14%	12.85%	10.24%			0.29%
Proportion of Rec Marine Area 2.2	9.2%	5.07%	5.30%	13.5%	8.52%	8.78%			See above
Proportion of Rec Freshwater	90.80%	94.93%	94.70%	86.49%	91.48%	91.22%			100.00%
Commercial harvest rate in 2C Only	2.56%								
Commercial harvest rate	2.63%	2.69%	2.66%	1.55%	1.55%	1.55%			0.36%
QIN Treaty Harvest Rate	16.07%	16.07%	16.07%	23.46%	23.46%	23.46%			12.35%
Total Harvest Rate	21.84%	61.91%	43.81%	27.16%	37.87%	35.26%			13.00%

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GRAYS HARBOR TOTAL									
	Chinook			Coho			Chum		
	Natural	Hatchery	Total	Natural	Hatchery	Total	Natural	Hatchery	Total
Escapement Goal	15,001	6,872	21,873	46,829	37,788	84,616	30,324	2,325	32,649
	13,326	947	14,273	35,400	1,900	37,300			21,000
Total Available Harvestable	1,675	5,925	7,600	11,429	35,888	47,316			11,649
Non-treaty Share	838	2,963	3,800	5,714	17,944	23,658			5,825
Management Objectives									
Marine Area 2.2 impact rate									< 2% total
Commercial impact rate				23					
Total Impacts									
Harvest Impacts									
WDFW-managed fishery Harvest	773	2,326	3,099	7,555	6,367	13,922			6,491
Marine Area 2.2 Harvest	179	178	357	1,171	959	2,130			35
Freshwater Harvest	367	1,993	2,360	4,758	4,267	9,026			748
Commercial Harvest	227	155	382	1,626	1,140	2,766			5,709
<i>Chehalis Tribe</i>	117	0	117	318	1,073	1,391			0
<i>Total NT - Harvest</i>	890	2,326	3,216	7,874	7,439	15,313			6,491
QIN Treaty Harvest	2,851	1,191	4,042	9,840	8,160	18,000			10,860
Total GH Harvest	3,741	3,517	7,258	17,714	15,599	33,313			17,352
Expected Escapement	11,260	3,355	14,615	29,115	22,188	51,303			15,297
	2,066								
Harvest Rates									
Non-treaty Harvest Rate	5.16%	33.85%	14.17%	16.13%	16.85%	16.45%			19.88%
Proportion of Rec Marine Area 2.2									4.44%
Marine Area 2.2 harvest rate	1.19%	2.59%	1.63%	2.50%	2.54%	2.52%			0.11%
Freshwater harvest rate	2.45%	29.00%	10.79%	10.16%	11.29%	10.67%			2.29%
Commercial harvest rate	1.51%	2.26%	1.75%	3.47%	3.02%	3.27%			17.49%
QIN Treaty Harvest Rate	19.00%	17.33%	18.48%	21.01%	21.59%	21.27%			33.26%
Total GH Harvest Rate	24.94%	51.17%	33.18%	37.83%	41.28%	39.37%			53.15%