

## 2020 Grays Harbor Fall Salmon Management Summary Table with QIN Proposal

Model B - NT Comm 2A/D 4 days Wk 43, 3 day Wk 44, 2C no days; FW 2 fish Oct, 1 fish Nov-Dec (NOF2 2019a)

CHEHALIS RIVER BASIN									
	Chinook			Coho			Chum		
	Natural	Hatchery	Total	Natural	Hatchery	Total	Natural	Hatchery	Total
Escapement Goals	11,144	2,189	13,333	43,955	27,060	71,015	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	15,449	25,560	41,009			11,649
	696	806	1,501	7,725	12,780	20,505			5,825
<b>Chehalis River Management Objectives</b>									
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%					
<b>Harvest Impacts</b>									
<b>WDFW-managed fishery Harvest</b>	489	164	653	6,943	4,437	11,380			5,322
Marine Area 2.2 Harvest	168	76	244	1,180	851	2,031			35
Freshwater Harvest	246	70	316	4,290	2,679	6,970			279
Commercial Harvest (Area 2A, 2D)	75	18	93	1,473	907	2,380			5,009
Chehalis Tribal Harvest	117	0	117	334	1,092	1,426			0
<b>QIN Treaty Harvest</b>	1,472	290	1,761	6,997	1,397	8,394			5,076
<b>Total Chehalis Basin Harvest</b>	2,078	454	2,531	14,274	6,926	21,200			10,399
<b>Expected Escapement</b>	9,066	1,735	10,802	29,681	20,134	49,815			N/A
<b>Harvest Rates</b>									
<b>WDFW-managed fishery Harvest Rate</b>	4.4%	7.48%	4.90%	15.80%	16.40%	16.03%			16.30%
<b>Total Recreational harvest rate</b>	3.72%	6.65%	4.20%	12.45%	13.05%	12.67%			0.96%
Proportion of Rec Marine Area 2.2	40.5%	51.87%	43.49%	21.6%	24.10%	22.56%			11.08%
Proportion of Rec Freshwater	59.45%	48.13%	56.51%	78.43%	75.90%	77.44%			88.92%
<b>Commercial Impact Rate in 2A-D only</b>	0.67%								
Commercial harvest rate	0.67%	0.83%	0.70%	3.35%	3.35%	3.35%			15.34%
Chehalis Tribal harvest rate	1.05%	0.00%	0.88%	0.76%	4.04%	2.01%			0.00%
<b>QIN Treaty Harvest Rate</b>	13.20%	13.24%	13.21%	15.92%	5.16%	11.82%			15.55%
<b>Total Chehalis Basin Harvest Rate</b>	18.64%	20.72%	18.99%	32.48%	25.60%	29.85%			31.85%
<b>HUMPTULIPS RIVER BASIN</b>									
	Chinook			Coho			Chum		
	Natural	Hatchery	Total	Natural	Hatchery	Total	Natural	Hatchery	Total
Escapement Goal	3,857	4,683	8,540	3,667	11,374	15,041	30,324	2,325	32,649
Total Available Harvestable	3,573	369	3,942	6,894	400	7,294			21,000
Non-treaty Share	284	4,314	4,598	-3,227	10,974	7,747			11,649
	142	2,157	2,299	-1,614	5,487	3,874			5,825
<b>Humptulips River Management Objectives</b>									
Marine Area 2.2 impact rate	37%			18 - 34%					
Commercial impact rate in 2C Only	< 5.4%								
Total Impacts				< 5%					
<b>Harvest Impacts</b>									
<b>WDFW-managed fishery Harvest</b>	124	2,027	2,151	99	1,525	1,624			37
Marine Area 2.2 Harvest	11	102	114	11	125	135			0
Freshwater Harvest	110	1,918	2,028	68	1,337	1,405			37
Commercial Harvest	3	6	9	20	63	84			0
<b>QIN Treaty Harvest</b>	933	1,133	2,066	1,511	2,180	3,691			737
<b>Total Humptulips Basin Harvest</b>	1,057	3,160	4,217	1,610	3,705	5,315			774
<b>Expected Escapement</b>	2,800	1,523	4,323	2,057	7,669	9,726			N/A
<b>Harvest Rates</b>									
<b>WDFW-managed fishery Harvest Rate</b>	3.22%	43.28%	25.19%	2.69%	13.41%	10.80%			0.11%
<b>Total Recreational harvest rate</b>	3.14%	43.15%	25.08%	2.14%	12.85%	10.24%			0.11%
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	0.00%								
Commercial harvest rate	0.07%	0.13%	0.11%	0.56%	0.56%	0.56%			0.00%
<b>QIN Treaty Harvest Rate</b>	24.19%	24.18%	24.19%	41.21%	19.17%	24.54%			2.26%
<b>Total Harvest Rate</b>	27.40%	67.47%	49.37%	43.90%	32.58%	35.34%			2.37%

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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	47,622	38,434	86,056	30,324	2,325	32,649
Total Available Harvestable	13,326	947	14,273	35,400	1,900	37,300			21,000
Non-treaty Share	1,675	5,925	7,600	12,222	36,534	48,756			11,649
	838	2,963	3,800	6,111	18,267	24,378			5,825
<b>Management Objectives</b>									
Marine Area 2.2 impact rate									< 2% total
Commercial impact rate				24					
Total Impacts									
<b>Harvest Impacts</b>									
<b>WDFW-managed fishery Harvest</b>	<b>613</b>	<b>2,191</b>	<b>2,804</b>	<b>7,042</b>	<b>5,962</b>	<b>13,004</b>			<b>5,359</b>
Marine Area 2.2 Harvest	179	178	357	1,191	975	2,166			35
Freshwater Harvest	356	1,989	2,345	4,358	4,017	8,375			315
Commercial Harvest	78	24	102	1,493	970	2,463			5,009
<i>Chehalis Tribe</i>	117	0	117	334	1,092	1,426			0
<i>Total NT - Harvest</i>	730	2,191	2,921	7,376	7,054	14,430			5,359
<b>QIN Treaty Harvest</b>	<b>2,404</b>	<b>1,422</b>	<b>3,827</b>	<b>8,508</b>	<b>3,577</b>	<b>12,085</b>			<b>5,814</b>
<b>Total GH Harvest</b>	<b>3,135</b>	<b>3,613</b>	<b>6,748</b>	<b>15,884</b>	<b>10,631</b>	<b>26,515</b>			<b>11,173</b>
<b>Expected Escapement</b>	<b>11,866</b>	<b>3,259</b>	<b>15,125</b>	<b>31,738</b>	<b>27,803</b>	<b>59,541</b>			<b>21,476</b>
	1,460								
<b>Harvest Rates</b>									
<b>Non-treaty Harvest Rate</b>	<b>4.09%</b>	<b>31.88%</b>	<b>12.82%</b>	<b>14.79%</b>	<b>15.51%</b>	<b>15.11%</b>			<b>16.41%</b>
Proportion of Rec Marine Area 2.2									9.92%
Marine Area 2.2 harvest rate	1.19%	2.59%	1.63%	2.50%	2.54%	2.52%			0.11%
Freshwater harvest rate	2.38%	28.94%	10.72%	9.15%	10.45%	9.73%			0.97%
Commercial harvest rate	0.52%	0.35%	0.47%	3.14%	2.52%	2.86%			15.34%
<b>QIN Treaty Harvest Rate</b>	<b>16.03%</b>	<b>20.70%</b>	<b>17.50%</b>	<b>17.87%</b>	<b>9.31%</b>	<b>14.04%</b>			<b>17.81%</b>
<b>Total GH Harvest Rate</b>	<b>20.90%</b>	<b>52.58%</b>	<b>30.85%</b>	<b>33.35%</b>	<b>27.66%</b>	<b>30.81%</b>			<b>34.22%</b>