2024 Grays Harbor Fall Salmon Management Summary TableModel C - NT Comm 2A/D Wk 42 tangle short day, 43 - 45 2,2,3,2; FW 2 fish Chehalis, MSF Humptulips, 1 fish FW end Nov. 30 FRAM Run: 2417

FRAM Run:	2417	CHEH	IALIS RIVER	BASIN					
		Chinook	IALIO MIVEN	DAOIN	Coho			Chum	
-	Natural	Hatchery	Total	Natural	Hatchery	Total	Natural	Hatchery	Total
-	10,601	1,851	12,452	64,379	46,213	110,592	54,562	1,543	67,308
Escapement Goals	9,753	578	10,331	28,506	1,500	30,006	- 1,	1,0 10	21,000
Total Available Harvestable	848	1,273	2,121	35,873	44,713	80,586			46,308
Non-treaty Share	424	637	1,061	17,937	22,356	40,293			23,154
Chehalis River Management Objectives									
Proportion of Rec Marine Area 2.2	<27%			<27%					
Commercial Impact Rate in 2A-D Only	< 0.8%								
Total WDFW-managed fishery				=<5%					
Harvest Impacts									
WDFW-managed fishery Harvest	324	261	584	12,994	7,512	20,506			9,216
Marine Area 2.2 Harvest	130	57	187	1,596	1,237	2,833			89
Freshwater Harvest	105	43	148	7,923	5,104	13,027			1,030
Commercial Harvest (Area 2A, 2D)	88	161	249	3,476	1,171	4,647			8,097
Chehalis Tribal Harvest	70	0	70	2,152	1,760	3,912			0
QIN Treaty Harvest	1,978	345	2,324	16,471	10,421	26,892			23,377
Total Chehalis Basin Harvest	2,372	606	2,978	31,617	19,693	51,310			32,593
Expected Escapement	8,229	1,245	9,474	32,762	26,519	59,282			N/A
	,	871	•	•		•			
Harvest Rates									
WDFW-managed fishery Harvest Rate	3.1%	14.10%	4.69%	20.18%	16.26%	18.54%			13.69%
Total Recreational harvest rate	2.22%	5.39%	2.69%	14.78%	13.72%	14.34%			1.66%
Proportion of Rec Marine Area 2.2	55.41%	56.90%	55.85%	16.76%	19.51%	17.86%			7.99%
Proportion of Rec Freshwater	44.59%	43.10%	44.15%	83.24%	80.49%	82.14%			92.01%
Commercial Impact Rate in 2A-D only	0.78%								
Commercial harvest rate	0.83%	8.70%	2.00%	5.40%	2.53%	4.20%			12.03%
Chehalis Tribal harvest rate	0.66%	0.00%	0.56%	3.34%	3.81%	3.54%			0.00%
QIN Treaty Harvest Rate	18.66%	18.66%	18.66%	25.58%	22.55%	24.32%			34.73%
Total Chehalis Basin Harvest Rate	22.37%	32.76%	23.92%	49.11%	42.61%	46.40%			48.42%

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QIN Treaty Harvest Rate

Total Harvest Rate

Model C - NT Comm 2A/D Wk 42 tangle short day, 43 - 45 2,2,3,2; FW 2 fish Chehalis, MSF Humptulips, 1 fish FW end Nov. 30

FRAM Run: 2417 **HUMPTULIPS RIVER BASIN** Chinook Coho Chum Hatchery Natural Hatchery Total Natural Hatchery Total Natural Total 67,308 3,728 3,462 7,190 3,700 9,821 13,521 54,562 1,543 3,573 7,294 **Escapement Goal** 369 3,942 6,894 400 21,000 Total Available Harvestable 6,227 46,308 155 3,093 3,248 -3.194 9,421 1,624 3,114 Non-treaty Share 78 1.547 -1,597 4.710 23,154 **Humptulips River Management Objectives** 18 - 34% Marine Area 2.2 impact rate 37% Commercial impact rate in 2C Only < 5% **Total Impacts Harvest Impacts WDFW-managed fishery Harvest** 1,029 104 378 1,133 118 1,434 1,552 Marine Area 2.2 Harvest 10 167 177 12 158 170 0 930 Freshwater Harvest 82 848 80 1,260 1,340 211 Commercial Harvest 12 14 26 26 16 42 166 **QIN Treaty Harvest** 923 2,163 4,359 10,233 727 196 2,196 **Total Humptulips Basin Harvest** 2,282 3,630 5,911 831 1.225 2,056 10.611 5,134 1,419 6,191 7,610 **Expected Escapement** 2.897 2,237 N/A 1377 **Harvest Rates WDFW-managed fishery Harvest Rate** 2.80% 29.72% 14.60% 15.76% 3.20% 11.48% 0.56% **Total Recreational harvest rate** 2.48% 29.31% 15.40% 2.48% 14.44% 11.17% 0.31% Proportion of Rec Marine Area 2.2 11.33% 16.45% 16.02% 12.87% 11.17% 11.27% See above Proportion of Rec Freshwater 88.67% 83.55% 83.98% 87.13% 88.83% 88.73% 100.00% Commercial harvest rate in 2C Only 0.25% Commercial harvest rate 0.31% 0.41% 0.36% 0.72% 0.16% 0.31% 0.25%

12.83%

28.59%

58.46%

61.66%

22.36%

36.96%

32.24%

43.72%

19.49%

22.29%

5.66%

35.38%

15.20%

15.76%

Model C - NT Comm 2A/D Wk 42 tangle short day, 43 - 45 2,2,3,2; FW 2 fish Chehalis, MSF Humptulips, 1 fish FW end Nov. 30 FRAM Run: 2417

Natural 14,329 13,326 1,003 502	Chinook Hatchery 5,313 947 4,366 2,183	Total 19,642 14,273 5,369 2,685	Natural 68,080 35,400 32,680 16,340	Coho Hatchery 56,034 1,900 54,134 27,067	Total 124,113 37,300 86,813 43,407	Natural 54,562	Chum Hatchery 1,543	Total 67,308 21,000
14,329 13,326 1,003	5,313 947 4,366	19,642 14,273 5,369	68,080 35,400 32,680	56,034 1,900 54,134	124,113 37,300 86,813			67,308 21,000
13,326 1,003	947 4,366	14,273 5,369	35,400 32,680	1,900 54,134	37,300 86,813	54,562	1,543	21,000
1,003	4,366	5,369	32,680	54,134	86,813			
502	2,183	2,685	16,340	27,067	43,407			46,308
								23,154
								< 2% total
428	1,290	1,718	13,112	8,946	22,058			9,594
141	224	365	1,607	1,395	3,003			8
187	891	1,078	8,003	6,364	14,367			1,24
100	175	275	3,502	1,186	4,689			8,26
70	0	70	2,152	1,760	3,912			(
498	1,290	1,788	15,265	10,705	25,970			9,594
2,705	541	3,246	18,634	12,618	31,251			33,610
3,203	1,831	5,034	33,899	23,323	57,222			43,204
11,126	3,482	14,608	34,181	32,711	66,892			24,104
2,200	2248		1219					-3104
2.99%	24.27%	8.74%	19.26%	15.97%	17.77%			14.25%
								6.73%
0.98%		1.86%		2.49%	2.42%			0.13%
								1.84%
								12.28%
								49.93%
22.35%	34.47%	25.63%	49.79%	41.62%	46.10%			64.19%
16%	70%	36%	45%	46%	45%			22
84%	30%	64%	55%	54%	55%			78
100%	100%	100%	100%	100%	100%			1009
-	141 187 100 70 498 2,705 3,203 11,126 2,200 2.99% 0.98% 1.31% 0.70% 18.88% 22.35%	141 224 187 891 100 175 70 0 498 1,290 2,705 541 3,203 1,831 11,126 3,482 2,200 2248 2.99% 24.27% 0.98% 4.21% 1.31% 16.77% 0.70% 3.30% 18.88% 10.19% 22.35% 34.47%	141 224 365 187 891 1,078 100 175 275 70 0 70 498 1,290 1,788 2,705 541 3,246 3,203 1,831 5,034 11,126 3,482 14,608 2,200 2248 2.99% 24.27% 8.74% 0.98% 4.21% 1.86% 1.31% 16.77% 5.49% 0.70% 3.30% 1.40% 18.88% 10.19% 16.53% 22.35% 34.47% 25.63%	141 224 365 1,607 187 891 1,078 8,003 100 175 275 3,502 70 0 70 2,152 498 1,290 1,788 15,265 2,705 541 3,246 18,634 3,203 1,831 5,034 33,899 11,126 3,482 14,608 34,181 2,200 2248 1219 2.99% 24.27% 8.74% 19.26% 0.98% 4.21% 1.86% 2.36% 1.31% 16.77% 5.49% 11.76% 0.70% 3.30% 1.40% 5.14% 18.88% 10.19% 16.53% 27.37% 22.35% 34.47% 25.63% 49.79%	141 224 365 1,607 1,395 187 891 1,078 8,003 6,364 100 175 275 3,502 1,186 70 0 70 2,152 1,760 498 1,290 1,788 15,265 10,705 2,705 541 3,246 18,634 12,618 3,203 1,831 5,034 33,899 23,323 11,126 3,482 14,608 34,181 32,711 2,200 2248 1219 2.99% 24.27% 8.74% 19.26% 15.97% 0.98% 4.21% 1.86% 2.36% 2.49% 1.31% 16.77% 5.49% 11.76% 11.36% 0.70% 3.30% 1.40% 5.14% 2.12% 18.88% 10.19% 16.53% 27.37% 22.52% 22.35% 34.47% 25.63% 49.79% 41.62%	141 224 365 1,607 1,395 3,003 187 891 1,078 8,003 6,364 14,367 100 175 275 3,502 1,186 4,689 70 0 70 2,152 1,760 3,912 498 1,290 1,788 15,265 10,705 25,970 2,705 541 3,246 18,634 12,618 31,251 3,203 1,831 5,034 33,899 23,323 57,222 11,126 3,482 14,608 34,181 32,711 66,892 2,200 2248 1219 2.99% 24.27% 8.74% 19.26% 15.97% 17.77% 0.98% 4.21% 1.86% 2.36% 2.49% 2.42% 1.31% 16.77% 5.49% 11.76% 11.36% 11.58% 0.70% 3.30% 1.40% 5.14% 2.12% 3.78% 18.88% 10.19% 16.53% 27.37% 22.52% 25.18% 22.35% 34.47% 25.63%<	141 224 365 1,607 1,395 3,003 187 891 1,078 8,003 6,364 14,367 100 175 275 3,502 1,186 4,689 70 0 70 2,152 1,760 3,912 498 1,290 1,788 15,265 10,705 25,970 2,705 541 3,246 18,634 12,618 31,251 3,203 1,831 5,034 33,899 23,323 57,222 11,126 3,482 14,608 34,181 32,711 66,892 2,200 2248 1219 2.99% 24.27% 8.74% 19.26% 15.97% 17.77% 0.98% 4.21% 1.86% 2.36% 2.49% 2.42% 1.31% 16.77% 5.49% 11.76% 11.36% 11.58% 0.70% 3.30% 1.40% 5.14% 2.12% 3.78% 18.88% 10.19% 16.53% 27.37% 22.52% 25.18% 22.35% 34.47% 25.63%<	141 224 365 1,607 1,395 3,003 187 891 1,078 8,003 6,364 14,367 100 175 275 3,502 1,186 4,689 70 0 70 2,152 1,760 3,912 498 1,290 1,788 15,265 10,705 25,970 2,705 541 3,246 18,634 12,618 31,251 3,203 1,831 5,034 33,899 23,323 57,222 11,126 3,482 14,608 34,181 32,711 66,892 2,200 2248 1219 2.99% 24.27% 8.74% 19.26% 15.97% 17.77% 0.98% 4.21% 1.86% 2.36% 2.49% 2.42% 1.31% 16.77% 5.49% 11.76% 11.36% 11.58% 0.70% 3.30% 1.40% 5.14% 2.12% 3.78% 18.88% 10.19% 16.53% 27.37% 22.52% 25.18% 22.35% 34.47% 25.63%<

total natural spawner 13,374

-1219