



**2018
Non-Treaty Columbia River Summer/Fall
Fishery Allocation Agreement
April 26, 2018**

Management Intent and Expectations for Summer Chinook and Sockeye Fisheries

- The preseason forecast for upper Columbia summer Chinook is 67,300 fish to the Columbia River. Under the *U.S v Oregon* Management Agreement the allowable harvest (including release mortality) for all non-treaty fisheries is approximately 20,600 adult fish, of which about 10,900 are available for harvest in Columbia River fisheries.
- Based on the WDFW Upper Columbia Management Agreement, the available harvest for fisheries downstream of Priest Rapids Dam is approximately 3,500 Chinook mortalities (32.4% of available in-river). Commission guidance allocates the harvestable share 80% recreational and 20% commercial in 2018.
- The mainstem recreational fishery from the Astoria-Megler Bridge upstream to Bonneville Dam will be open from June 22 through July 4 (13 days) for adult hatchery summer Chinook, with a two fish/two Chinook daily limit. The management guideline for this fishery is approximately 2,400 summer Chinook.
- The mainstem recreational fishery from Bonneville Dam upstream to Priest Rapids Dam will be open from June 16 through July 31 for hatchery summer Chinook, with a two fish/two Chinook daily limit. The management guideline for this fishery is 425 summer Chinook.
- Commission guidance requires the use of gear other than traditional gillnets for the commercial summer Chinook fishery. Based on results of gear evaluations, and the limited commercial sockeye allocation, there are few if any alternative gears currently available to access the commercial share of summer Chinook, especially in an open-competitive fishery. Staff will continue to work with industry to determine potential gears and evaluate a fair approach to implementing future summer commercial fisheries. The 2018 management guideline for this fishery is approximately 700 summer Chinook.

- The preseason forecast for sockeye is 99,000 fish. Non-treaty fisheries downstream of the Snake River are managed for an impact limit of $\leq 1\%$ of the run (≤ 990 fish). Commission guidance allocates the harvestable share approximately 80% to recreational fisheries and the balance to commercial fisheries. Due to projected low returns to the Wenatchee and Okanogan rivers, retention of sockeye will be prohibited in recreational fisheries throughout the Columbia River.

Management Intent for Fall Season Fisheries

- This agreement reflects the intent of the Washington and Oregon Fish and Wildlife Commission policies/regulations and the management objective to optimize non-treaty commercial and recreational fisheries while remaining within the limitations of the Endangered Species Act (ESA).
- This agreement was developed during the 2018 Pacific Fishery Management Council (PFMC) and North of Falcon (NOF) meetings in March and April, which included input from the Columbia River Advisory Groups and other members of the public.
- Management objectives for Columbia River fisheries include maximizing the harvest of fall Chinook and hatchery Coho, while remaining within the limits for all ESA-listed stocks.
- The non-treaty fishery conservation responsibility for ESA-listed salmon and steelhead is shared between recreational and commercial fisheries.
- The preseason forecast, after ocean fisheries, for Upriver Bright fall Chinook (URB) at the Columbia River mouth is 205,100 adult fish and includes 9,600 Snake River wild fall Chinook (SRW). Based on these forecasts, the allowed harvest rate (HR) limit on SRW Chinook for Columbia River non-treaty fisheries is 15%; however, fisheries will be managed conservatively at an 8.25% HR prior to an in-season run-size update since the forecasted return is close to 200,000 (8.25% harvest rate trigger). The HR anticipated from preseason fishery modeling totals 8.24%.
- Based on the preseason forecast, the ESA impact for LCR wild tules is limited to a 38% exploitation rate (ER), which is shared between ocean and in-river fisheries. The final ER adopted at the April PFMC meeting was 37.7%. This includes a 30.0% ER for ocean fisheries, 6.3% for in-river fisheries prior to an URB run-size update, and 1.4% reserved for in-river fisheries if needed to harvest URBs after a run-size update.
- Preseason shares of the 6.3% LCR tule impacts for Columbia River fisheries are expected to be 73% recreational and 27% commercial. Shares for URB/SRW impacts are expected to be 70% recreational and 30% commercial.
- The preseason Coho forecast is approximately 213,600 adults to the Columbia River. The ESA impact limitation for Lower Columbia River natural (LCN) Coho is an

18.0% ER, which includes ocean and in-river fisheries. The total ER is expected to be 15.3%, with Columbia River fisheries accruing 5.4%, or 35% of the total.

Fall Preseason Fishery Expectations

- The fall fishery expectations outlined in this agreement are based on the Chinook Model Run “MR2018-Final Preseason.xls”.
- Catch estimates are primarily based on stock-specific preseason abundance forecasts and prior-year stock-specific harvest rates.
- Given the reduced URB fall Chinook forecast and associated harvest rate, recreational fisheries cannot meet season objectives based on preseason modeling. Area-specific recreational Chinook retention seasons were based on recent-year (2014-2017) observed average URB harvest shares:
 - Buoy 10 – 30.3%
 - Rocky Point/Tongue Point to Lewis/Warrior Rock – 23.2%
 - Lewis/Warrior Rock to Bonneville – 38.3%
 - Bonneville Dam to Highway 395 – 8.2%
- In-season management decisions by the Columbia River Compact/Joint States for commercial and recreational fall-season fisheries will be based on the 2018-2023 *U.S. v. Oregon* Management Agreement, and the state commissions’ policies/regulations.
- Preseason catch expectations (including release mortalities) for adult fall Chinook in mainstem fisheries (i.e. excluding tributary recreational and Select Area commercial fisheries) are 27,100 fish in recreational fisheries (72%) and 10,700 adults in commercial fisheries (28%).
- Harvest, season structures, and impacts accrued will be influenced by actual fall Chinook abundances and stock-specific harvest rates in each respective fishery.
- Although the projected return for upriver summer steelhead in 2018 is improved from 2017, the forecast remains well below average. To maintain a conservative approach, the daily adult salmonid limit for recreational fisheries from Buoy 10 upstream to Highway 395 (including Drano Lake) may not include more than one hatchery steelhead from August 1 through December 31.

Goals/expectations for fall recreational fisheries include:

- The Buoy 10 recreational fishery will begin on August 1 with a one adult salmonid daily limit through August 24.
 - From August 25 through December 31, Chinook retention will be closed, but the daily limit will increase to two adult hatchery salmonids (Coho and steelhead only) through December 31.

- From August 1 through December 31, the daily limit may not include more than one steelhead.
- Harvest (including release mortality) expectations include 15,400 Chinook (1.7% SRW harvest rate, 3.7% LCR wild ER) and up to 27,500 Coho mortalities.
- The mainstem recreational fishery from the Rocky Point/Tongue Point line upstream to Bonneville Dam will be open August 1 through December 31, but Chinook retention seasons vary by river section based on area-specific sub-allocations for URB Chinook.
 - From the Rocky Point/Tongue Point line upstream to the Lewis River/Warrior Rock line, Chinook retention will be allowed August 1 through September 2. The daily adult limit is one salmonid through September 2. Beginning September 3, Chinook retention closes but the daily adult limit will increase to two salmonids (hatchery Coho and hatchery steelhead only) through December 31.
 - From the Lewis River/Warrior Rock line upstream to Bonneville Dam, the fishery will be open for Chinook retention August 1 through September 14 with a one adult salmonid daily limit. Beginning September 15, Chinook retention closes but the daily adult limit will increase to two salmonids (hatchery Coho and hatchery steelhead only) through December 31.
 - For both fisheries, the daily adult salmonid limit may not include more than one hatchery steelhead (August 1 through December 31).
 - Harvest (including release mortality) expectations include 10,100 adult Chinook (3.5% SRW harvest rate; 0.9% LCR wild ER) and 1,600 Coho (including release mortalities).
- The mainstem recreational fishery from Bonneville Dam upstream to the Highway 395 Bridge in Pasco, Washington will begin on August 1 with a two salmonid/one Chinook daily adult limit. The fishery will be managed in-season based on actual catches and the URB run size. The daily adult salmonid limit may not include more than one Chinook or one hatchery steelhead (August 1 through December 31). Based on the pre-season URB run-size, this fishery will be managed for 1,630 adult Chinook mortalities.
- During all fall fisheries (August 1 through December 31) from Buoy 10 upstream to the OR/WA border (upstream of McNary Dam) each legal angler aboard a vessel may continue to deploy angling gear until the daily adult salmonid limit for all anglers aboard has been achieved.
- The dates, area restrictions, and catch expectations described above are based on pre-season planning and input from the recreational fishing community. In-season events may change many of these expectations.

Goals/expectations for fall commercial fisheries include:

- The August (Early Fall) fishery is modeled to begin during the week of August 12-19 and is expected to continue into the week of August 26-September 2, with fishing periods 1-3 days per week. As with the recreational fisheries, URB fall Chinook are the most constraining stock. Fishery structure is expected to include 9-hour (9 PM-6 AM) periods in Zones 4-5 with a 9-inch minimum mesh size. The kept catch expectation includes 10,000 adult Chinook (2.1% SRW harvest rate; 1.2% LCR wild ER). Additional fishing period(s) with reduced area or hours may be considered to meet harvest guidelines.
- Commercial fishing periods targeting hatchery Coho using 3.75-inch tangle nets are planned to occur in October. The fishery would occur during daylight hours in Zones 1-3. Based on preseason forecasts, approximately 11,200 kept Coho are available for commercial Coho-directed fisheries. The tangle net release mortality rate will be 23.6% for unclipped adult Coho.
- Any additional Chinook-directed late-fall commercial fisheries will be addressed in-season, after the fall Chinook and steelhead run-size updates are available.
- The dates, areas, gear restrictions, and catch expectations described above are based on preseason planning and input from the commercial fishing industry. In-season events may change many of these expectations.

Washington Department of Fish and Wildlife
Oregon Department of Fish and Wildlife

Columbia River Fall Chinook Fishery Model Summary

11-Apr-18
12:21 PM

MR2018-Final Preseason

Ocean Option: April 8 PFMC Ocean Option 2
 Columbia River Model Option: **Model MR2018-Final Preseason**
 Average URB % by Fishery (SporTime Blocks)

Management Guidelines	Goal/Guideline	SRW	Total URB
Harvest Rate	38.25%	38.24%	38.24%
Non-Treaty	8.25%	8.24%	8.24%
Treaty	30.0%	30.0%	30.0%
% of Harvestable Surplus		Total	
Non-Treaty	50%	29%	
Treaty	50%	41%	
McNary Escapement	60,000	116,900	
LRH Ocean/Inriver Exp. Rate	38%	36.3%	
Non-Treaty Wild B Index Steelhead	2%	2.0%	
Treaty Total B Index Steelhead	15%	15%	
Upriver Coho to Bonneville Dam	50%	65%	
Lower Columbia Chum	5%	0.03%	

Non-Treaty Catch Sharing					
SRW - IMPACTS			Brights - Mainstem		
Sport	Impact	Percent	Mortalities	Percent	Harvest
Sport	5.73%	70%	18,000	76%	17,600
Comm	2.51%	30%	5,600	24%	5,600
LRH - Impacts			Chinook - Mainstem		
Sport	Impact	Percent	Mortalities	Percent	Harvest
Sport	4.58%	73%	27,100	72%	26,600
Comm	1.73%	27%	10,700	28%	10,700

	Total	LRH	LRW	BPH	URB	BUB	LRB	PUB	SAB	SRW	LRH ER	SRW HR
Ocean Harvest	55,770	11,530	2,600	14,890	22,130	0	400	4,210				
Columbia River Run	375,520	63,910	7,860	51,420	205,060	0	3,760	38,200	5,300	9,600	6.3%	7.8%
Harvest Below Bonneville												
				Fishery Description								
Zone 4-5 Wk 33	2,540	370	0	950	1,050	0	0	160	0	50	0.3%	0.5%
Zone 4-5 Wk 34	3,810	560	0	1,420	1,580	0	10	240	0	70	0.5%	0.8%
Zone 4-5 Wk 35	3,630	440	10	1,280	1,590	0	20	280	10	70	0.4%	0.8%
Oct Coho Tanglenet	730	100	30	10	520	0	0	70	0	20	0.1%	0.3%
Select Areas	8,880	5,320	0	270	410	0	0	60	2,810	20	0.4%	0.2%
Buoy 10 Kept + Morts	15,400	3,380	140	3,460	3,570	0	70	750	2,880	170	3.7%	1.7%
TP to Lewis	4,260	540	140	140	2,770	0	50	620	20	130	0.6%	1.3%
Lewis to Bonn	5,790	230	0	160	4,430	0	100	870	0	210	0.3%	2.2%
Tributary Sport	4,100	3,250	850	0	0	0	0	0	0	0	0.0%	0.0%
Lower River Total	49,130	14,200	1,170	7,700	15,920	0	240	3,050	5,710	750	6.3%	7.76%
Bonneville Dam Passage	253,090			40,280	189,140	0		23,660		8,850		
Harvest Above Bonneville												
Zone 6 - Bonn to Hwy 395	1,630			Manage Inseason	980	0		650		50		0.5%
Treaty Comm. and C&S	91,470			Average season	21,280	0		9,730		2,830		29.5%
Hanford Reach Sport	7,790			Average season	7,790					0		
McNary Dam Passage	116,880				116,880							
Lower Granite Dam Passage												
Escapement		49,710		19,000		0		13,270	(410)			
Hatchery		27,580		13,850		0		6,770	(250)			
Natural		22,140	6,690	5,150	116,880	0	3,520	8,070	(160)			
Hatchery Surplus		12,320		6,850		0		3,210	(1,250)			
Natural Surplus			638	3,850	56,880							