

# 2018 Ridgefield North of Falcon

## 2017 COLUMBIA RIVER SUMMER/FALL FISHERIES AND RUN SIZES

### 2018 PRESEASON FORECASTS

*All data preliminary and subject to change*

**March 19, 2018**

## 2017 RETURNS AND CONSERVATION OBJECTIVES

### Upper Columbia Summer Chinook

- 2017 pre-season forecast was 63,100 fish.
- 2017 actual return was about 68,200 fish (108% of forecast).

### Snake River Wild (SRW)/Upriver Bright (URB)

- 2017 Preseason
  - URB run size = 275,210
  - Snake River wild (SRW) run size = 12,100
  - Total allowable URB harvest rate (HR) = 45%
  - Non-Treaty fisheries HR expectation = 12.1%
  - Treaty Indian fisheries HR expectation = 30%
- 2017 Actual
  - URB run size = 296,500 (108% of forecast)
  - SRW run size = 11,750
  - Total URB HR = 43.18%
  - Non-Treaty fisheries URB HR = 16.15% (15% allowed)
  - Treaty Indian fisheries URB HR = 27.03%

### Lower Columbia River Tules (LCR)

- 2017 Preseason
  - Lower River Hatchery tule (LRH) run size = 98,750
  - Total allowable ocean and Columbia River exploitation rate (ER) = 41%
  - Total expected ocean and Columbia River ER = 36.9%
  - Columbia River ER expectation = 9.1%
- 2017 Actual (preliminary)
  - LRH run size = 64,600 (65% of forecast)
  - Total ocean and Columbia River (ER) = 35.8%
  - Columbia River ER = 7.76%

### Lower River Natural Coho (LCN)

- 2017 Preseason
  - Columbia River Coho run size = 319,350 (196,800 early stock, 122,550 late stock)
  - Total allowable ocean and Columbia River ER = 18%
  - Total expected ocean and Columbia River ER = 11.3% expected
  - Columbia River ER expectation (including Buoy 10) = 3.4%
- 2017 Actual
  - Columbia River Coho run size = 235,500 (79% of forecast; 152,200 early stock, 83,300 late stock)
  - Preliminary estimates total 10.6% ER for ocean and in-river fisheries.
  - Columbia River ER (including Buoy 10) = 3.3%

## Upriver Summer Steelhead

- 2017 Preseason
  - Bonneville Dam passage (July – October) = 119,400 (1,100 wild B-Index)
  - Non-Treaty ESA impact limit = 2.0% wild A-index and 2.0% wild B-Index
  - Low projected returns resulted in numerous area- and time-specific recreational fishery regulations to reduce handle and kept catch including a reduced daily bag limit (one fish), mainstem and tributary time/area steelhead retention closures, and night-fishing closures.
  - Commercial fishery restricted to 5 days.
- 2017 Actual
  - Bonneville Dam passage (July – October) = 113,350 (95% of forecast), return included 751 wild B-Index (68% of forecast)
  - Non-Treaty ESA impact = 1.1% wild A-Index; 2.0% wild B-Index

## **2017 FISHERY GUIDANCE**

### OFWC/WFWC Guidance

- Impact/Allocation sharing
  - Summer Chinook: of harvestable surplus available to in-river fisheries <PRD, 80% to recreational, 20% to commercial (unused commercial harvest will transfer to escapement (OFWC/WFWC), or to fisheries upstream of Bonneville Dam (WFWC).
  - Sockeye: ~80% of allowable Snake River ESA impacts to recreational, balance to commercial for incidental harvest in Chinook-directed fisheries.
  - Fall Chinook (LRH and SRW)
    - OFWC: no more than 70% of allowable ESA impacts on the most constraining Chinook stock to recreational, no less than 30% to commercial (up to 2% for alternative gears).
    - WFWC: no more than 75% of allowable ESA impacts of the most constraining Chinook stock to recreational, no less than 25% to commercial.
- Season objectives for Chinook retention in recreational fisheries.
  - Buoy 10: August 1 through Labor Day
  - LCR – TP-WR: August 1 through September 7 (non-MSF), September 8-14 (MSF)
  - LCR – WR-Bonn: August 1 through October 31

### Federal/State Endangered Species Act

- Sockeye, steelhead, Chinook, Coho, Chum

### US v OR Management Agreement (MA)

- New 2018-2017 MA in effect

### WDFW/Colville Tribe Upper Columbia Management Agreement

- Upper Columbia summer Chinook

## 2017 FISHERIES REVIEW

### Recreational Fisheries:

- The 2017 summer Chinook recreational fishery downstream of Bonneville Dam was scheduled to be open for hatchery Chinook and sockeye retention from June 16 through July 31. The daily bag limit was two fish/2 hatchery Chinook, except no more than one steelhead could be retained per day. The actual season was open June 16-30 and July 7-31.
  - Season total catch estimates include 3,516 Chinook kept (2,248 released), 1,439 hatchery steelhead kept (1,042 steelhead released), and 264 sockeye kept (71 released) from 41,595 angler trips. The number of kept Chinook was the 4<sup>th</sup> highest since 2002. Total Chinook mortalities (3,853) for this fishery were 138% of the post-season allocation.
- The 2017 summer Chinook recreational fishery between Bonneville and Priest Rapids dams was open for hatchery Chinook and sockeye retention from June 16 through July 31. The daily bag limit was two fish/2 hatchery Chinook, except no more than one steelhead could be retained per day.
  - Season total catch estimates include 248 hatchery Chinook kept and 94 released. Anglers in this area were able to access 53% of the summer Chinook allocation, using 262 of the available 494 Chinook mortalities.
- The Buoy 10 sport fishery opened August 1 with a daily bag limit of two fish/one Chinook through September 4 (Labor Day), except steelhead retention was closed during August and limited to one fish/day thereafter. Unlike recent years, Chinook retention did not include any mark-selective periods. The fishery was scheduled to close to Chinook retention beginning on September 5 and re-open October 1 with a two fish/two Chinook daily bag limit. Preseason harvest expectations (kept plus release mortalities) included 22,100 Chinook (4.8% LCR Chinook ER and 1.6% SRW harvest rate) and 16,560 Coho.
  - Although Chinook catch rates were higher than expected, no in-season action was taken and the fishery occurred as expected.
  - Season total catch estimates include 28,398 kept Chinook (6,199 released), 18,834 Coho kept (12,793 released), and 4 steelhead kept (86 released) from 93,547 angler trips.
  - The total and stock-specific Chinook catches were higher than expected, even though the actual Chinook return was 78% of preseason expectations. Coho catches followed a similar pattern with actual mortalities exceeding expectations, while the return was less than expected (79% of preseason).
- The LCR sport fishery opened August 1; similar to past years, the fishery was split into two major sections (upstream/downstream of the Lewis River/Warrior Rock line). A daily bag limit of two fish/one Chinook was planned for the area downstream of Warrior Rock through September 14 with non-mark selective Chinook retention allowed through September 7 (per policy guidance). Steelhead retention was closed during August and limited to one fish/day thereafter. Chinook retention was to re-open October 1 – December 31 with a two fish/two Chinook daily bag. For the area upstream of Warrior Rock, the pre-season plan included Chinook retention from August 1 – December 31 (full season) with a two fish/two Chinook daily bag limit. Preseason harvest expectations (kept plus release mortalities) included 21,890 Chinook (1.5% LCR Chinook ER and 5.4% SRW harvest rate) and 1,040 Coho for all areas combined.
  - No in-season action was taken and the fishery occurred as expected.
  - Season total catch estimates include 26,138 kept Chinook (2,846 released), 3,114 Coho kept (1,488 released), and 237 steelhead kept (881 released) from 114,721 angler trips.

- During the Chinook MSF period, catch included 770 Chinook kept (2,086 released) from 5,189 angler trips (included in above totals).
  - The total and bright-stock Chinook catches were higher than expected. Coho catches also exceeded expectations (4<sup>th</sup> highest).
  - “Party Fishing” regulations were in effect all season which allow each legal angler aboard a vessel to continue fishing until the daily limit for all anglers aboard was achieved.
- The recreational fishery from Bonneville Dam upstream to the Highway 395 Bridge near Pasco, Washington followed the preseason plan. Regulations included Chinook retention open August 1 – December 31 with a two fish/two Chinook daily bag limit, except steelhead retention was limited to one fish/day and prohibited during the following months/areas:
  - ✓ August: Bonneville Pool
  - ✓ September: The Dalles and John Day pools
  - ✓ October: John Day Pool and McNary Dam to Highway 395 Bridge (Pasco)
  - ✓ November: McNary Dam to Highway 395 Bridge (Pasco)
- Season total catch estimates include 5,844 kept Chinook (709 released), 1,798 Coho kept (166 released), and 169 steelhead kept (234 released) from 22,905 angler trips.
- “Party Fishing” regulations were in effect all season.

#### Commercial Fisheries:

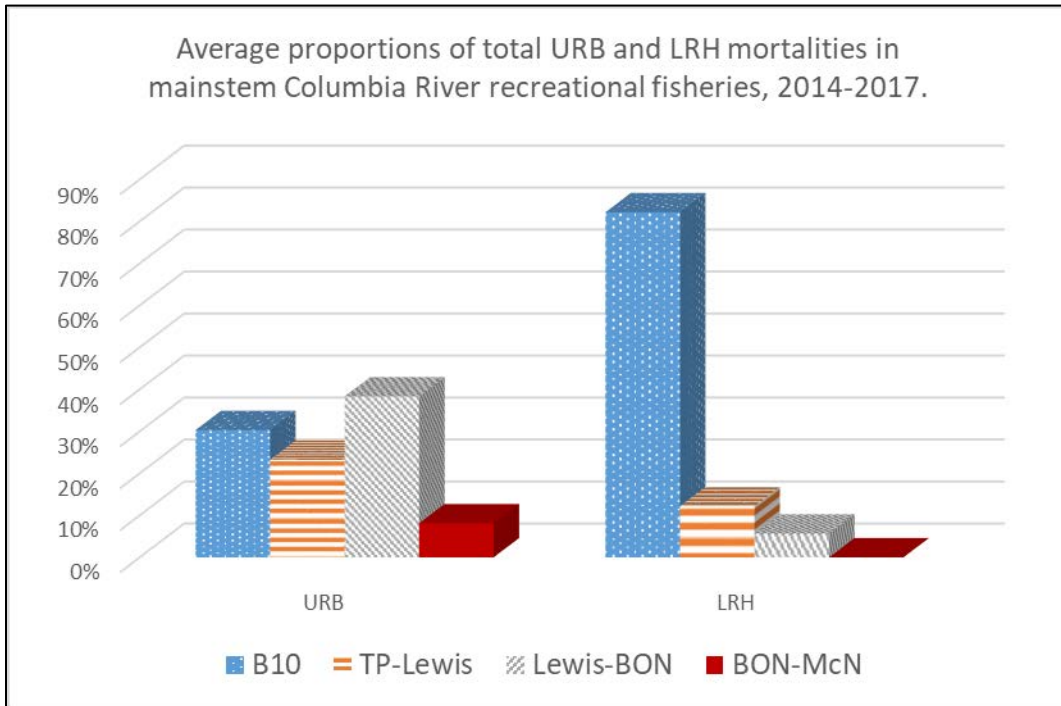
- A commercial summer Chinook fishery did not occur in 2017. Current WA and OR Commission guidance requires the use of gear other than traditional gillnets for this fishery. Based on results of recent gear evaluations, and the limited commercial sockeye allocation, there are few alternative gears available 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 actual season structure for the August commercial drift net fishery followed the preseason plan which was affected by the projected low wild summer steelhead return. The Early Fall season consisted of five, 9-hour periods occurring in Zones 4-5 from August 22-September 1 with a 9-inch minimum mesh restriction. The actual catch of 13,959 Chinook was well below the preseason expectation of 45,900. Coho landings were also low at 218 fish. Deliveries ranged from 96–122 each period. Ex-vessel value averaged \$3.24/lb for bright Chinook (\$0.59 for tules). The average weight for Chinook was 16.3 lbs/fish. On-board observation occurred throughout the fishery to evaluate steelhead handle and immediate mortality rates.
- Although not modelled preseason, two additional Chinook-directed fishing periods (10-hours each) occurred in Zones 4-5 during September 17-20 with a 9-inch minimum mesh restriction. Catch totaled 5,439 Chinook and 713 Coho. Deliveries for the two periods were 107 and 69, respectively. Ex-vessel values averaged \$2.99/lb for Chinook and \$2.02 for Coho. Chinook average weight was 15.8 lbs/fish. Similar to August, on-board observation was conducted by the states during this fishery.
- No Coho-directed fisheries occurred for the second consecutive year. Due to the limited number of wild steelhead impacts available, no seine fisheries were adopted in 2017.
- Commercial catch from the 2017 fall drift net season totaled 19,398 Chinook, or 42% of the preseason expectation (which was for August only). The combined Coho catch of 931 fish was 27% of preseason expectations. Due to the poor Chinook catch, LRH and SRW/URB impacts were less than estimated during preseason modeling.

<b>2017 Non-Treaty Summer Chinook Fisheries Summary</b>				
<i>(All data preliminary; estimates include kept + release mortalities)</i>				
	<b>Pre</b>	<b>Post</b>		
Run size at Columbia River mouth:	63,100	68,204		
Fishery	Allowed		Actual Take	Actual/Allowed
	Pre	Post		
PFMC Ocean Fisheries	4,500	7,564	7,564	
Below Priest Rapids Dam (PRD)	31.0%	32.7%		
Commercial below BON	781	824	47	6%
Recreational Below Bonneville	2,656	2,802	3,853	138%
Recreational BON to PRD	469	494	262	53%
Below PRD Total	3,906	4,120	4,162	101%
Above Priest Rapids Dam (PRD)	69.0%	67.3%		
Wanapum Tribal	300	300	158	53%
Colville Tribal	4,347	4,240	1,578	37%
Recreational above PRD	4,047	3,940	4,325	110%
Above PRD Total	8,694	8,479	6,061	71%
<b>Non-Treaty Total</b>	<b>17,100</b>	<b>20,163</b>	<b>17,788</b>	<b>88%</b>

<b>2017 Preseason Non-treaty Catch Sharing</b>						
SRW - IMPACTS			Brights - Mainstem			
	Impact	Percent	Mortalities	Percent	Harvest	
Sport	7.69%	64%	Sport	30,900	68%	30,700
Comm	4.32%	36%	Comm	14,600	32%	14,600
LRH - Impacts			Chinook - Mainstem			
	Impact	Percent	Mortalities	Percent	Harvest	
Sport	6.27%	69%	Sport	48,100	51%	47,900
Comm	2.86%	31%	Comm	45,900	49%	45,900

<b>2017 Post-season Non-Treaty Catch Sharing (preliminary)</b>						
SRW - IMPACTS			Brights - Mainstem			
	Impact	Percent	Mortalities	Percent	Harvest	
Sport	11.73%	73%	Sport	49,100	79%	48,500
Comm	4.27%	27%	Comm	13,000	21%	13,000
LRH - IMPACTS			Chinook - Mainstem			
	Impact	Percent	Mortalities	Percent	Harvest	
Sport	6.65%	86%	Sport	63,600	77%	62,900
Comm	1.11%	14%	Comm	19,200	23%	19,200

2017 Fall Chinook Impacts: expected v actual				
Harvest Below Bonneville	LCR tule impact		URB harvest rate	
	Pre	Post	Pre	Post
Aug Week 34 Z4-5	1.21%	0.22%	1.89%	0.75%
Aug Week 35 Z4-5	1.65%	0.46%	2.26%	1.76%
Sept Z4-5 Week 38	0.00%	0.00%	0.00%	1.49%
Select Areas	n/a	0.43%	0.17%	0.28%
Buoy 10	4.76%	5.39%	1.61%	4.10%
TP to Lewis	1.21%	0.29%	2.25%	2.11%
Lewis to Bonneville	0.30%	0.97%	3.20%	4.80%
Bonneville to Hwy 395	n/a	n/a	0.70%	0.86%
<i>Total</i>	<i>9.13%</i>	<i>7.76%</i>	<i>12.08%</i>	<i>16.15%</i>
Sport	6.27%	6.65%	7.76%	11.87%
Commercial	2.86%	1.11%	4.32%	4.28%



Columbia River Fall Chinook Fishery Model Summary				9-Mar-18	MR2017-Final Preseason										
Ocean Option:	Alt. 1	Coweeman Cal#2		2:30 PM											
Columbia River Model Option:	<b>Model</b>	<b>MR2017-Final Preseason</b>													
				<b>Non-Indian Catch Sharing</b>											
<b>Management Guidelines</b>	<b>Guideline</b>	<b>SRW</b>	<b>Total URB</b>	<b>SRW - IMPACTS</b>				<b>Brights - Mainstem</b>							
Harvest Rate	45.0%	38.69%	38.74%		Impact	Percent		Mortalities	Percent	Harvest					
Non-Indian	15.0%	<b>12.01%</b>	<b>12.08%</b>	Sport	7.69%	64%	Sport	30,900	68%	30,700					
Treaty Indian	30.0%	26.68%	26.66%	Comm	4.32%	36%	Comm	14,600	32%	14,600					
% of Harvestable Surplus		<b>Total</b>		<b>LRH - Impacts</b>				<b>Chinook - Mainstem</b>							
Non-Indian	50%	34%			Impact	Percent		Mortalities	Percent	Harvest					
Treaty Indian	50%	32%		Sport	6.27%	69%	Sport	48,100	51%	47,900					
McNary Escapement	60,000	143,100		Comm	2.86%	31%	Comm	45,900	49%	45,900					
LRH Ocean/Inriver Exp. Rate	41%	36.9%													
Non-Indian Wild B Index Steelhead	2%	1.8%				9.13%									
Treaty Indian Total B Index Steelhead	13%	13%		Available in river	13.23%	22%									
Upriver Coho to Bonneville Dam	50%	76%		Ocean	27.77%	LRH	3.97%	4.5%							
Lower Columbia Chum	5%	0.0%					1.11%	0.18%							
							39%	4%							
				<b>Total</b>	<b>LRH</b>	<b>LRW</b>	<b>BPH</b>	<b>URB</b>	<b>BUB</b>	<b>LRB</b>	<b>PUB</b>	<b>SAB</b>	<b>SRW</b>	<b>LRH</b>	<b>SRW</b>
<b>Ocean Harvest</b>				101,630	17,510	4,370	40,370	33,460	430	30	5,460			ER	HR
<b>Columbia River Run</b>				613,840	98,750	13,610	164,390	275,210	3,470	220	44,490	13,700	12,400	9.1%	
<b>Harvest Below Bonneville</b>				<b>Fishery Description</b>											
Wk 32_Aug	0.0 days		Week of Aug 1	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%
Wk 33_Aug 6,8,10	0.0 days		Week of Aug 7	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%
Wk 34_Aug 13,15,17	0.0 days		Week of Aug 14	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%
Wk 35_Aug 20,22, 24	3.0 days		Week of Aug 21	20,870	1,880	40	12,740	5,190	70	0	880	70	230	1.21%	1.89%
Wk 36_Late late Aug 31	3.0 days		Week of Aug 28	25,030	2,570	0	14,150	6,220	130	10	1,820	130	280	1.65%	2.26%
Z1-5 L.Sep Chinook	0.0		Week of Sept 25	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%
Sept Z4-5	0.0	* These fisheries will be addressed inseason after CHF/STH run updates are available	Week of Sept 18	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%
Oct Z1-5	0.0		Week of Oct 2	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%
Seine Fishery			Oct.-Nov.	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%
Oct Coho 6-inch			Week of Oct 10	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%
October Tangle net			Coho target	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%
Select Areas			Average season	16,970	8,810	0	570	470	10	0	90	7,020	20	0.00%	0.17%
Buoy 10 Kept + Morts	2 F Bag		Thru L. Day	22,100	6,390	0	5,450	4,440	50	0	560	3,440	200	4.76%	1.61%
TP to Lewis		(with 7d MSF)	Thru Sept 14	10,590	1,880	460	820	6,200	40	0	1,120	60	270	1.21%	2.18%
Lewis to Bonn			Full season	11,300	380	0	500	8,810	100	10	1,510	0	400	0.30%	3.20%
Tributary Sport			Full season	8,330	6,780	1,540	0	0	0	0	0	0	0	0.00%	0.00%
<b>Lower River Total</b>				<b>115,190</b>	<b>28,680</b>	<b>2,050</b>	<b>34,240</b>	<b>31,330</b>	<b>390</b>	<b>30</b>	<b>5,980</b>	<b>10,710</b>	<b>1,400</b>	<b>9.13%</b>	<b>11.31%</b>
Bonneville Dam Passage				403,640			123,410	243,870	850		35,500		11,000		
<b>Harvest Above Bonneville</b>															
Zone 6 - Bonn to Hwy 395			Average season	4,080				1,920	0		2,170		90		0.70%
Treaty Comm. and C&S			Average season	145,060			32,500	73,360	920		38,280		3,310		26.7%
Hanford Reach Sport			Average season	10,060				10,060					0		
McNary Dam Passage				143,110				143,110							
Lower Granite Dam Passage															

**Columbia River Fall Chinook Fishery Model Summary**

16-Mar-18  
4:39 PM

**PRELIMINARY MR2017-Final Post-season**

Ocean Option: Final  
Columbia River Model Option: **Model PRELIMINARY MR2017-Final Post-season**

Management Guidelines	Goal/Guideline	SRW	Total URB
Harvest Rate	45.0%	43.03%	43.18%
Non-Treaty	15.0%	<b>16.00%</b>	<b>16.15%</b>
Treaty Indian	30.0%	27.03%	27.03%
% of Harvestable Surplus		<b>Total</b>	
Non-Treaty	50%	34%	
Treaty Indian	50%	36%	
McNary Escapement	60,000	153,400	
LRH Ocean/Inriver Exp. Rate	41%	35.8%	
Non-Treaty Wild B Index Steelhead	2%	2.0%	
Treaty Indian Total B Index Steelhead	13%	7.2%	
Upriver Coho to Bonneville Dam	50%	79%	
Lower Columbia Chum	5%	0.0%	

Non-Treaty Catch Sharing						
SRW - IMPACTS			Brights - Mainstem			
Sport	Impact	Percent	Mortalities	Percent	Harvest	
Sport	11.73%	73%	49,100	79%	48,500	
Comm	4.27%	27%	13,000	21%	13,000	
LRH - IMPACTS			Chinook - Mainstem			
Sport	Impact	Percent	Mortalities	Percent	Harvest	
Sport	6.65%	86%	63,600	77%	62,900	
Comm	1.11%	14%	19,200	23%	19,200	

	Total	LRH	LRW	BPH	URB	BUB	LRB	PUB	SAB	SRW	LRH ER	SRW HR				
<b>Ocean Harvest</b>	53,240	10,370	3,050	12,290	23,360	110	330	3,740								
<b>Columbia River Run</b>	476,140	64,640	7,860	48,880	296,470	1,370	4,200	46,100	6,620	11,750	7.8%					
<b>Harvest Below Bonneville</b>																
				<b>Fishery Description</b>												
Wk 32_Aug				Week of Aug 1	0	0	0	0	0	0	0.0%	0.0%				
Wk 33_Aug 6,8,10				Week of Aug 7	0	0	0	0	0	0	0.0%	0.0%				
Aug Z4-5 (Week 34)	2.0 days (22, 24)			Week of Aug 14	5,050	210	0	1,750	2,230	0	90	0.2%	0.8%			
Aug Z4-5 (Week 35)	3.0 days (27, 29, 31)			Week of Aug 21	8,910	430	0	2,210	5,210	0	210	0.5%	1.8%			
Sept Z4-5 (Week 38)	2.0 days (17, 19)			Week of Sept 18	5,210	0	0	660	4,400	0	170	0.0%	1.5%			
Z1-5 L.Sep Chinook				Week of Sept 25	0	0	0	0	0	0	0	0.0%	0.0%			
Oct Z1-5				Week of Oct 2	0	0	0	0	0	0	0	0.0%	0.0%			
Seine Fishery				Oct.-Nov.	0	0	0	0	0	0	0	0.0%	0.0%			
Oct Coho 6-inch				Week of Oct 10	0	0	0	0	0	0	0	0.0%	0.0%			
October Tanglenet				Coho target	0	0	0	0	0	0	0	0.0%	0.0%			
Select Areas				Average season	12,030	7,270	0	330	830	0	20	0.4%	0.3%			
Buoy 10 Kept + Morts	1 Chinook			Thru Labor Day	29,570	4,850	530	4,840	12,150	0	470	1,960	3,080	480	5.4%	4.1%
TP to Lewis	(with 7d MSF)			Thru Sept 14	8,870	260	0	0	6,270	0	250	1,670	0	230	0.3%	2.0%
Lewis to Bonn				Full season	19,510	750	0	420	14,230	0	600	2,280	0	560	1.0%	4.8%
Tributary Sport				Full season	2,500	1,810	680	0	0	0	0	0	0	0	0.0%	0.0%
<b>Lower River Total</b>					<b>91,650</b>	<b>15,580</b>	<b>1,220</b>	<b>10,220</b>	<b>45,330</b>	<b>0</b>	<b>1,430</b>	<b>7,000</b>	<b>5,910</b>	<b>1,780</b>	<b>7.8%</b>	<b>15.14%</b>
Bonneville Dam Passage					328,130			38,010	251,140	470		38,220		9,970		
<b>Harvest Above Bonneville</b>																
Zone 6 - Bonn to Hwy 395				Average season	5,620				2,560	0		3,070		100		0.9%
Treaty Comm. and C&S				Average season	119,770			22,580	80,140	0		16,830		3,180		27.0%
Hanford Reach Sport				Average season	11,490				11,440					0		
McNary Dam Passage					153,370				153,370							
<b>Escapement</b>																
Hatchery					49,060				15,430	900		18,320		700		
Natural					27,880				11,790	900		8,000		410		
					19,440	6,600		1,550	153,370	0	2,770	6,260		140		
Hatchery Surplus					15,210			4,790		900		3,650		-490		
Natural Surplus						380		93,370								



<b>2017 Pre/Post-season Coho Harvest and Exploitation Rate</b>		
Harvest Summary (kept + release mortalities)		
	Preseason	Post-season
Fishery	Total Harvest Mortalities	
Mainstem Commercial (all gears)	3,350	933
Select Area Commercial	44,420	37,979
B10 Sport	16,562	20,532
LCR Sport	1,037	3,397
Ocean Fisheries	71,043	50,898
<b>Total Harvest</b>	<b>136,412</b>	<b>113,739</b>
Exploitation Rate		
Fishery	Preseason	Post-season
Mainstem Commercial (all gears)	2.38%	0.63%
Select Area Commercial	0.10%	0.17%
B10 Sport	0.87%	1.87%
LCR Sport	0.04%	0.59%
Ocean Fisheries	7.87%	7.30%
<b>Total Exploitation Rate</b>	<b>11.3%</b>	<b>10.57%</b>

## 2018 CONSERVATION OBJECTIVES AND POLICY GUIDANCE

### Summer Chinook

- 2018 forecast = 67,300
- Allowed non-treaty harvest below Priest Rapids Dam about 3,700- 4,500 fish (kept + rel morts).
- Below Priest Rapids Dam available harvest allocated 80% sport and 20% commercial (non-gillnet).

### Upriver Summer Steelhead

- 2018 forecast = 190,350 (Skamania + A-Index + B-Index)
  - A-Index = 158,000 (44,800 wild)
  - B-Index = 24,400 (3,400 wild)
- Non-treaty fisheries allowed 2% impact rate on both wild A-Index and wild B-Index.

### Snake River Wild/Upriver Bright (URB) Fall Chinook

- Non-treaty harvest rate could range from 8.25% to 15.0%; however, due to URB forecast (200,100), states intend to manage non-treaty fisheries at 8.25%.

### Lower Columbia River (LCR) Tule Fall Chinook

- Total ocean and Columbia River exploitation rate (ER) limit = 38%
- Columbia River ER = currently assumed to be <10%

### Commission Guidance for Fall Chinook (URB and LCR)

- Oregon Commission: Recreational no more than 70% and not less than 30% commercial.
- Washington Commission: Recreational no more than 75% and not less than 25% commercial.

<b>URB Harvest Rate Commission Guidance Shares</b>				
		2017	2018	% Change
	OFWC	Post	Preseason	
Sport	70%	11.87%	5.78%	49%
Commercial	30%	4.28%	2.48%	58%
Total		16.15%	8.25%	51%
	WFWC	2017	2018	% Change
		Post	Preseason	
Sport	75%	11.87%	6.19%	52%
Commercial	25%	4.28%	2.06%	48%
Total		16.15%	8.25%	51%

Lower River wild Fall Chinook

- 5,700 escapement goal to Lewis River

Columbia River Coho

- Harvest matrix in place since 2015
- Pre-NOF ocean abundance forecast = 286,200
  - 164,700 early stock, 121,500 late stock
- Total ocean and Columbia River ER limit = 18% on Lower River Natural (LCN) Coho
  - Prioritized: Select Area commercial; mainstem Chinook/hatchery Coho commercial; mainstem recreational.

Fall Chinook

- The 2018 forecast is 77% of last year’s actual return.

<b>Columbia River Fall Chinook Returns</b>			
	<b>2017</b>		<b>2018</b>
Stock	<b>Forecast</b>	<b>Return</b>	<b>Forecast</b>
LRH	98,750	64,640	62,400
LRW	13,610	7,860	7,600
BPH	164,390	48,880	50,100
URB	275,210	296,470	200,100
SRW	12,400	11,750	9,600
BUB	3,470	1,370	-----
LRB	220	4,200	3,700
PUB	44,490	46,100	36,400
SAB	13,700	6,620	5,300
Total	613,840	476,140	365,600
<i>2017 forecast is post-NOF; 2018 is pre-NOF</i>			
<i>SRW sub-component of URB</i>			