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# Columbia River Recreational Advisor Group Meeting

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March 17, 2025

4:00-5:30p

Virtual (Teams Meeting)

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*Prepared by: Columbia River Joint State Staff*

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# Columbia River Recreational Advisor Group Meeting

Link: [Join the meeting now](#) Meeting ID: 236 120 945 844 Passcode: zc2Ui7E3

Phone: [+1 564-999-2000,,851193085#](#) Phone conference ID: 851 193 085#

**4:00p – 5:30p March 17, 2025**

Agenda	
<ul style="list-style-type: none"><li>• <b>Welcome and Introductions</b><ul style="list-style-type: none"><li>○ Ground rules</li><li>○ Introduction</li><li>○ Agenda review</li></ul></li></ul>	(5 minutes)
<ul style="list-style-type: none"><li>• <b>North of Falcon Planning</b><ul style="list-style-type: none"><li>○ 2024 Fishery Review</li><li>○ Consideration for 2025 Fisheries</li></ul></li></ul>	(80 minutes)
<ul style="list-style-type: none"><li>• <b>Future Meetings</b><ul style="list-style-type: none"><li>○ WDFW Upper Columbia/Snake North of Falcon (Northeast of McNary), March 18, Wenatchee, 6p</li><li>○ WA Ocean hearing, March 24, Westport, 7p</li><li>○ OR Ocean hearing, March 25, virtual, 7p</li><li>○ North of Falcon, April 3, Ridgefield/virtual, 10a</li><li>○ Pacific Fishery Management Council, April 9-15, San Jose, CA</li><li>○ CRRAG white sturgeon fisheries, TBD</li><li>○ Zone 6 pool white sturgeon stock status and fisheries public meeting, TBD</li></ul></li></ul>	(5 minutes)

## Ground rules

- For virtual meetings
  - \*6 to mute/unmute
  - Chat will not be monitored or used except for technical assistance
- Focus on the task at hand – *stick to the agenda*
- One person at a time to speak – *state your name to be added to the speaking list*
  - Non-advisers will observe meeting and stay on mute – *comments may be permitted at the end of the meeting if time permits*
- Be respectful of others
  - Mute phone or line
  - Be tough on issues and questions, not on people or organizations
  - No personal attacks, insults or threats
  - Listen
  - Speak and act professional – *no offensive, disrespectful, or derogatory language, including profanity*
  - Allow for a balance of speaking time – *limit length and number of times to speak on each topic*
- Be a conduit – *share information*

## **Columbia River Recreational Advisory Group (2024–2026)**

<b><u>Name</u></b>	<b><u>City</u></b>	<b><u>State</u></b>
Harry Barber	Washougal	WA
Jim Bridwell	Cathlamet	WA
Kyle Hawes	Vancouver	WA
Jeremy Hull	Portland	OR
Les Kipper	The Dalles	OR
Don McBride	Richland	WA
Bill Monroe Jr.	Oregon City	OR
Robert Moxley	Dundee	OR
Pat O’Grady	Astoria	OR
Larry Phillips	Olympia	WA
Bob Rees	Clackamas	OR
David Sass	Warren	OR
Alexander Shar	Long Beach	WA
Greg Short	Hood River	OR
Jesse Vassar	Tualatin	OR
Steve Watrous	Battle Ground	WA
Chris (Clinton) Winn	Kalama	WA
Randy Woolsey	Tigard	OR

## North of Falcon Planning

### *Preliminary fall Chinook returns and forecasts*

- River mouth abundance forecasts are finalized at the conclusion of April PFMC.

Stock Group	2024		2025
	February Forecasts	Actual Returns	February Forecasts
Lower River Hatchery - LRH	85,500	114,431	121,500
Lower River Wild - LRW	10,500	15,105	14,200
Lower River Bright - LRB	2,400	8,708	4,300
Bonneville Pool Hatchery - BPH	129,800	129,006	184,700
Upriver Bright - URB	258,300	318,089	313,400
<i>Snake River Wild (SRW)<sup>1</sup></i>	<i>9,300</i>	<i>12,657</i>	<i>9,000</i>
Pool Upriver Bright - PUB	61,000	78,868	79,000
Select Area Bright - SAB	300	5,298	900
<b>Columbia River Total</b>	<b>547,800</b>	<b>669,505</b>	<b>718,000</b>

<sup>1</sup>Subset of URB

### *Coho return and forecast – pre-harvest ocean abundance*

- 2024 forecast and post-season estimate and 2025 forecast of ocean abundance of OPI-H and OCN coho prior to harvest (thousands of fish). The 2025 forecast was derived from the Council-approved modified ARIMA MAPE-weighted ensemble forecast methodology.

	2024			2025
	Pre	Post	Pre/Post	Forecast
Columbia River Early	227.5	496.8	46%	338.1
Columbia River Late	173.6	240.2	72%	141.6
<b><i>Columbia River Subtotal</i></b>	<b><i>401.1</i></b>	<b><i>737</i></b>	<b><i>54%</i></b>	<b><i>479.7</i></b>
Coast Subtotal	2	5.3	38%	13.9
<b>Total (OPI-H)</b>	<b>403.1</b>	<b>742.3</b>	<b>54%</b>	<b>493.6</b>
OCN Rivers	217.7	190.8	114%	277.7
OCN Lakes	15.5	9.6	160%	11.3
<b>OCN Total</b>	<b>233.2</b>	<b>200.4</b>	<b>116%</b>	<b>289</b>
<b>Grand Total</b>	<b>636.3</b>	<b>942.7</b>	<b>67%</b>	<b>782.6</b>

## ***Fishery Guidance and Conservation Objectives***

Columbia River fisheries are managed to meet the following guidelines and objectives:

### Federal/State Endangered Species Acts

- Sockeye, steelhead, Chinook, coho, Chum
- NOAA Guidance Letter – See “Salmon Guidance Letter to PFMC” for additional information.

### U.S. vs. OR Management Agreement (MA)

- 2018-2027 MA in effect

### OFWC/WFWC Guidance

- Summer Chinook
  - Guidance specific to allocation of harvestable surplus to in-river non-treaty fisheries downstream of Priest Rapids Dam (<PRD) is not concurrent. Oregon rule allocates sharing as 80% recreational and 20% commercial. Washington policy sharing is 80% recreational and 20% commercial with abundances below 50,001 fish, 70% recreational and 30% commercial from 50,001-100,000 fish, and 60% recreational and 40% commercial above 100,000 fish.
  - Policy guidance regarding allowable summer-season mainstem commercial gears is not concurrent. Oregon rules do not allow use of gillnets, while Washington policy does.
- Sockeye: Policy guidance regarding allocation of sockeye ESA impacts is not concurrent. Oregon rule allocates non-treaty sharing as 80% recreational and 20% commercial. Washington Policy sharing is 70% recreational and 30% commercial.
- Fall Chinook
  - Policy guidance on fall Chinook is concurrent. No more than 70% of allowable ESA impacts on the most constraining fall Chinook stock may be allocated to recreational fisheries, and no less than 30% to commercial.
  - Oregon rule allows for gillnets to be used in the mainstem in Zones 4-5 only. Washington policy allows for gillnets to be used in Zones 1-5.
  - Oregon rule limits ESA impacts for use in alternative gear commercial fisheries to two percentage points of the non-treaty allocation and is considered part of commercial share.
  - Policy guidance for recreational fishery Chinook retention season objectives is not concurrent. The Oregon rule provides guidance while the Washington policy does not provide guidance.
    - Oregon rule provides season objectives for recreational fall Chinook fisheries downstream of Bonneville Dam; if season objectives are predicted to be met, additional opportunity for mainstem commercial fisheries shall be provided.
      - Buoy 10: August 1 through Labor Day (34 days; assuming Labor Day is September 3).
      - Tongue Point to Warrior Rock: August 1 through September 7 as non-mark selective (non-MSF) and an additional week of mark-selective (MSF) September 8-14 (45 days).
      - Warrior Rock to Bonneville Dam: August 1 through October 31 (92 days).
- Coho
  - LCN coho ESA impacts are prioritized to Select Area commercial fisheries, mainstem commercial Chinook fisheries, and commercial hatchery coho fisheries (OR), followed by recreational fisheries, and then coho-directed mainstem commercial fisheries (OR & WA).
  - Policy guidance regarding allowable commercial gears is not concurrent. Oregon rules do not allow use of gillnets in Zones 1-3 while Washington policy does.

- Commercial Alternative Gear Fisheries
  - The states created a limited alternative-gear fishery (up to 3 pound-nets and 3 seines) in 2024 as part of a multi-year evaluation conducted through WDFW’s Emerging Commercial Fishery (ECF) process. OR/WA set aside two percentage points of the ESA impacts from the non-treaty share for the most constraining stock for use in these fisheries; these impacts are considered part of the commercial share where numerical commercial allocation exists.

WDFW/Colville Tribe Upper Columbia Management Agreement

- Upper Columbia summer Chinook
- Sockeye

**2024 Recreational Fisheries Review**

- The preseason plan for summer Chinook retention was to be open June 16–19 from the Astoria-Megler Bridge to Bonneville Dam, and June 16–30 from Bonneville Dam to Priest Rapids Dam. Sockeye retention was also expected to be open through July 31. Steelhead retention was scheduled to be open throughout the summer management period with a one steelhead daily bag limit.
  - The summer Chinook run size was downgraded in-season resulting in lower than expected allocations available for fisheries downstream of Priest Rapids Dam. Despite summer Chinook catches downstream of Bonneville Dam being higher than projected, the Chinook fishery downstream of PRD closed effective July 1 following the preseason plan. Due to the recreational ESA sockeye allocation being met, sockeye retention was closed from the Astoria-Megler Bridge upstream to the Highway 395 Bridge on June 28.
    - Total catch estimates for the summer fishery downstream of Bonneville Dam include 798 adult Chinook kept (670 released), 4,143 sockeye kept (400 released), and 3,957 hatchery steelhead kept (2,860 released) from 34,996 angler trips.
    - For the area from Bonneville Dam upstream to PRD, summer season catches included 114 adult Chinook kept (52 released), 7,857 sockeye kept (137 released), and 80 steelhead released from 14,821 angler trips.
  - Summer Chinook fisheries (including tributaries) upstream of Priest Rapids Dam were open from July 1 – August 15 excluding several sub-area closures. Sockeye fisheries were open July 1 – September 20.
    - Total catch estimates include 3,320 adult Chinook kept (574 released), 89,905 sockeye kept (33 released), and 74 steelhead released from 41,869 angler trips.
- The fall preseason plan for the recreational fishery from Bonneville Dam upstream to the Highway 395 Bridge was for Chinook and coho retention to be open August 1 – September 15 and then open October 1 – December 31 for coho retention only with a two adult salmon (only one Chinook when allowed) daily bag limit and a requirement that wild coho caught downstream of the Hood River Bridge must be released. Steelhead was to be closed August 1 – October 31 in the Bonneville Pool and September 1 – December 31 upstream of The Dalles Dam to Highway 395. Preseason modeling for this fishery included 5,950 adult Chinook.
  - The Bonneville Dam upstream to Highway 395 Bridge fishery occurred as planned through September 15. In-season action added Chinook retention in several steps from September 16 – December 31 due to available URBs. From The Dalles Dam upstream to the Highway 395 Bridge from November 1 – December 31, hatchery steelhead retention was allowed in addition to the pre-season plan based on in-season abundance information.

- Season total catch estimates include 11,811 kept adult Chinook (3,000 released), 5,215 coho kept (789 released), and 36 hatchery steelhead kept plus 300 steelhead released from 45,800 angler trips.
- The fall LCR recreational fishery preseason plan included opening August 1 in two subareas. Puget Island upstream to Warrior Rock was expected to be open to Chinook and hatchery coho retention from August 1 – September 4 for Chinook and hatchery coho retention, September 5–11 for hatchery Chinook and hatchery coho retention, and October 1 – December 31 for hatchery coho retention only. Salmonid angling was expected to be closed in this area from September 12–30. Warrior Rock/Bachelor Island upstream to Bonneville Dam was expected to be open to Chinook and hatchery coho retention August 1 – September 15 and October 1 – December 31 for hatchery coho retention. Salmonid angling was expected to be closed in this area from September 16–30. In both areas, steelhead retention was planned to be closed August 1 – October 31. Preseason harvest expectations (kept plus release mortalities) for both areas combined included 24,980 Chinook; about 3,250 coho were available for these fisheries.
  - The west Puget Island to Warrior Rock fishery occurred as planned with non-MSF through September 4 and MSF September 5–11. In-season action added Chinook and hatchery coho retention September 20 – December 31 due to available URBs and remaining LRH balance estimated in-season utilizing Coded Wire Tags and other associated biological data.
  - The Warrior Rock to Bonneville Dam fishery occurred as planned through September 15; in-season action added Chinook and hatchery coho retention September 16 – December 31 due to available URBs and a remaining LRH balance.
  - Combined season total catch estimates for both subareas include 31,850 kept adult Chinook (3,758 released), 6,135 coho kept (2,506 released), and 1,214 steelhead released from 117,900 angler trips.
- The Buoy 10 to west Puget Island recreational fishery preseason plan was for hatchery Chinook and hatchery coho retention to be open August 1–29, August 30 – September 3 for Chinook and hatchery coho, and September 4 – December 31 for retention of hatchery coho. The daily adult bag limit was two fish but no more than one could be a Chinook. Wild coho could not be retained, and steelhead could not be retained from August 1 – October 31. Preseason harvest expectations (kept plus release mortalities) included 39,570 Chinook and up to 29,000 coho were available for this fishery.
  - The Chinook fishery occurred as planned with MSF regulations through August 29, non-MSF regulations through September 3, and retention closed from September 4–11. In-season action added Chinook retention using non-MSF regulations from September 12 – December 31 due to available URBs and a remaining LRH balance. Retention of hatchery coho was open from August 1 – December 31 as planned preseason.
  - Season total catch estimates include 18,654 kept Chinook (18,245 released), 35,533 coho kept (22,830 released), and 146 steelhead released from about 102,400 angler trips.

**Considerations for 2025 fisheries**

- Upper Columbia Summer Chinook (forecast: 38,000 fish)
  - The first in-season run size update is typically not available until around July 1.
  - Commission allocations <PRD are concurrent with 80% recreational and 20% commercial.
  - Mainstem summer Chinook retention fisheries are not expected to occur <PRD.
- Sockeye (forecast: 350,200 fish)
  - The first in-season run size update is typically not available until late June.
  - 1.0% Snake River allowable ESA-impact rate for non-treaty fisheries.
    - Non-concurrent commission allocations are 70% recreational, 20% commercial, and 10% unallocated.
  - During the past five years, increasing catch rates have led to early sockeye closures in 2020 and 2024.
    - Consideration of concepts to manage sockeye harvest since summer Chinook is not expected to be open.
- Upriver Summer Steelhead (forecast: 73,900 fish)
  - Given the poor expected return for upriver summer steelhead, fishery restrictions will be similar to the last several years.
- Fall Chinook (preliminary forecast: 718,000 adult fish)
  - 2025 constraints are expected to be similar to what occurred in 2024 given allowable ESA-impact rates and abundances for 2025 are similar as what occurred in 2024.
    - Fall Chinook allocation is concurrent: no more than 70% of the most constraining stock to the recreational fishery.
  - URB/SRW (preliminary forecast: 313,400 adult URBs)
    - Preseason URB and SRW forecasts are over the thresholds to allow for a 15.0% URB/SRW harvest rate (HR; thresholds: 200,000 URB and 8,000 SRW).
  - LRH (preliminary forecast: 121,500 adult fish)
    - NOAA recently revised the abundance tier values in the harvest rate matrix (see below) to account for anticipated lower tule Chinook salmon abundance beginning in 2024 as a result of reductions in Mitchell Act production of tule Chinook.

LRH Abundance	Exploitation Rate
0 - 24,000	0.30
24,000 - 31,000	0.35
31,000 - 67,000	0.38
>67,000	0.41

- The preseason LRH forecasted abundance allows for a total exploitation rate (ER) of 41% which is shared between in-river and ocean fisheries.
      - 2025 objective for planning is to provide fishery consistency and reduce the need for in-season closures with an understanding that the closure risk cannot be eliminated.
- Columbia River coho (ocean abundance forecast: 479,700 fish)
  - Lower River Natural coho ESA impacts will be limited to 23.0% ER which is shared between in-river and ocean fisheries.
- Chum
  - Recreational harvest is not allowed. The ESA-impact limit is 5.0% HR for combined Columbia River non-treaty fisheries.



- March Pacific Fishery Management Council – ocean alternatives
  - <https://www.pcouncil.org/documents/2025/03/pacific-fishery-management-council-adopts-2025-west-coast-ocean-salmon-seasons-updated-march-11-2025.pdf/>
- This is a list of issues/concepts/comments received from previous NOF discussions, Compact/Joint State hearing testimony, [2023 angler survey](#), and recreational advisory group feedback in conjunction with policy guidelines and conservation objectives. Several of these items may not be applicable or available for implementation in 2025:
  - Summer Chinook MSF start June 16
  - Sockeye early closure
  - Ocean/in-river sharing balance for LRH fall Chinook
  - Minimize risk for in-season closures
  - Non-MSF/MSF Chinook at Buoy 10 and west Puget Island-Warrior Rock
  - Delay start date, days per week, and/or closure days for Chinook retention
  - Overlap Chinook retention fisheries to limit effort shift
  - Reserve impacts for coho-directed fisheries
  - Additional coho opportunity (e.g., sub-area openings for coho, non-MSF coho)
  - Sub-area closures
  - Warrior Rock-Lewis River line
  - Limit guides/charters
  - Annual/area Chinook limit
  - Angling gear modification
  - Steelhead restrictions in mainstem and tributary recreational fisheries

***Pre-season/Postseason model summaries***

<b>2024 Upper Columbia Summer Chinook Allocations</b> <i>(All data preliminary and includes kept + release mortalities)</i>				
	<b>Pre</b>		<b>Post</b>	
<b>Runsize</b>	52,632		42,511	
Harvest allocated Fishery	Allowed		Actual	Actual/ Allowed
	Pre	Post	Take	
PFMC Ocean Fisheries	5,130	3,808	3,808	100%
<b>Below Priest Rapids Dam (PRD)</b>	<i>15.3%</i>	<i>10.0%</i>	<i>17.6%</i>	
Commercial below BON	253	97	0	0%
Recreational Below Bonneville	752	330	899	273%
Recreational BON to PRD	133	58	122	210%
Below PRD Total	1,137	485	1,021	210%
<b>Above Priest Rapids Dam (PRD)</b>	<i>84.7%</i>	<i>90.0%</i>	<i>82.4%</i>	
Wanapum Tribal	88	71	25	35%
Colville Tribal	3,508	3,056	1,338	44%
Recreational above PRD	3,421	1,239	3,406	275%
Above PRD Total	7,017	4,366	4,769	109%
<b>Non-Treaty Total</b>	<b>13,284</b>	<b>8,660</b>	<b>9,598</b>	<b>110.8%</b>

**Columbia River Fall Chinook Fishery Model Summary**

Ocean Option: Chin2724  
 Columbia River Model Option: Model MR2024-Final Preseason 5-23-24

**MR2024-Final Preseason 5-23-24**

Management Guidelines	Goal/Guideline	SRW	Total URB
Harvest Rate	45.00%	43.8%	45.0%
Non-Treaty	15.00%	13.0%	15.0%
Treaty	30.0%	30.8%	30.0%
% of Harvestable Surplus		<b>Total</b>	
Non-Treaty	50%	34%	
Treaty	50%	42%	
McNary Escapement	60,000	121,600	
LRH Ocean/Inriver Exp. Rate	41%	40.2%	
Non-Treaty Wild B Index Steelhead	2%	0.8%	
Treaty Total B Index Steelhead	15%	15%	
Upriver Coho to Bonneville Dam	50%	58%	
Lower Columbia Chum	5%	1.1%	

Non-Treaty Catch Sharing					
SRW - IMPACTS			Brights - Mainstem		
	Impact	Percent		Mortalities	Percent
Sport	8.8%	68%	Sport	39,100	73%
Comm	4.2%	32%	Comm	14,500	27%
<b>Total</b>	<b>13.0%</b>				
LRH - Impacts			Chinook - Mainstem		
	Impact	Percent		Mortalities	Percent
Sport	7.4%	70%	Sport	70,500	66%
Comm	3.2%	30%	Comm	36,900	34%
<b>Total</b>	<b>10.5%</b>				

			Total	LRH	LRW	BPH	URB	LRB	PUB	SAB	SRW	LRH ER	SRW HR	
<b>Ocean Harvest</b>			84,820	17,570	3,630	28,700	28,050	260	6,600					
<b>Columbia River Run</b>			551,780	85,480	10,530	129,360	261,780	2,430	61,900	300	9,300	10.55%	12.98%	
<b>Harvest Below Bonneville</b>		<b>2024 Fishery Description</b>												
Zone 4-5 Wk 32. Aug 4-10		1	380	30	0	120	220	0	20	0	10	0.02%	0.08%	
Zone 4-5 Wk 33. Aug 11-17		2	1,060	150	0	370	510	0	30	0	20	0.12%	0.19%	
Zone 4-5 Wk 34. Aug 18-24		3	11,980	1,180	0	6,560	3,500	20	720	0	120	0.80%	1.34%	
Zone 4-5 Wk 35. Aug 25-31		3	15,900	1,390	0	9,280	3,690	70	1,470	0	130	1.00%	1.41%	
Zone 4-5 Wk 36. Sep 1-7		0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	
Zone 4-5 Wk 37. Sep 8-14		0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	
Zone 4-5 Wk 38. Sep 15-21		<1	Partial day placeholder	1,590	320	40	510	530	10	190	0	20	0.29%	0.20%
Zone 4-5 Wk 39. Sep 22-28		0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	
Zone 4-5 Wk 40. Sep 29-Oct 5		0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	
Zone 4-5 Wk 41-43; Oct 6-26		0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	
Fall Tanglenet Wk 38-44			Coho target	2,000	430	50	10	1,410	0	90	0	50	0.35%	0.54%
Alternative Gear - Seine/Pound Net	MSF		4,010	1,030	10	1,100	760	10	1,100	0	15	0.20%	0.16%	
Select Areas			Full Season	5,010	3,400	0	690	710	0	110	110	30	0.40%	0.27%
Buoy 10 to WPI Kept + Morts	2 fish/1 CHF		Aug1-29 MSF; Aug 30-Sep3 nMSF; Sep4+ Coho only	39,570	17,050	100	7,110	9,850	50	2,650	300	190	4.20%	2.06%
WPI to Lewis	2 fish/1 CHF		Aug1-Sep4 nMSF; Sep 5-11 MSF; Oct1+ Coho only	12,290	2,080	120	210	6,800	70	2,450	0	210	1.23%	2.26%
Lewis to Bonn	2 fish/1 CHF		Aug1-Sep15 nMSF; Oct1+ Coho only	12,690	1,770	0	0	7,930	120	2,860	0	280	1.67%	3.03%
Tributary Sport	MSF		Average season	1,210	910	300	0	0	0	0	0	0	0.27%	0.00%
<b>Lower River Total</b>			<b>107,680</b>	<b>29,040</b>	<b>620</b>	<b>25,130</b>	<b>35,530</b>	<b>360</b>	<b>11,410</b>	<b>410</b>	<b>1,070</b>	<b>10.5%</b>	<b>11.5%</b>	
Bonneville Dam Passage			369,520			94,020	226,240		49,250		8,230			
<b>Harvest Above Bonneville</b>														
Z6 - Bonn to Hwy 395	2 fish/1 CHF		Aug1-Sep15 nMSF; Oct1+ Coho Only	5,950			210	3,740		2,010		130	1.43%	
Treaty Comm. and C&S			Average season	165,210			72,440	78,530		14,240		2,860	30.0%	
Hanford Reach Sport			Average season	7,820				7,820				0		
McNary Dam Passage			121,630				121,630							
Lower Granite Dam Passage											5,623			
<b>Escapement</b>				55,750	9,900	21,380		2,070	33,000	(110)				
Hatchery				33,980		15,110			12,580	(90)				
Natural				21,780	9,900	6,260	121,630	2,070	20,420	(20)				
Hatchery Surplus				19,780		8,110			3,600	(1,290)				
Natural Surplus					3,018	4,960	61,630							

**Columbia River Fall Chinook Fishery Model Summary**

Ocean Option: Chin2724  
 Columbia River Model Option: Model MR2024-PostSeason DRAFT 3-8-25

**MR2024-PostSeason DRAFT 3-8-25**

Management Guidelines	Goal/Guideline	SRW	Total URB
Harvest Rate	45.00%	34.1%	34.7%
Non-Treaty	15.00%	15.2%	15.8%
Treaty	30.0%	18.9%	18.9%
% of Harvestable Surplus		<b>Total</b>	
Non-Treaty	50%	29%	
Treaty	50%	21%	
McNary Escapement	60,000	165,300	
LRH Ocean/Inriver Exp. Rate	41%	30.8%	
Non-Treaty Wild B Index Steelhead	2%	0.6%	
Treaty Total B Index Steelhead	20%	9.6%	
Upriver Coho to Bonneville Dam	50%	78%	
Lower Columbia Chum	5%	0.1%	

Non-Treaty Catch Sharing					
SRW - IMPACTS			Brights - Mainstem		
	Impact	Percent		Mortalities	Percent
Sport	10.60%	70%	Sport	46,900	68%
Comm	4.63%	30%	Comm	22,100	32%
Total	15.23%				
LRH - Impacts			Chinook - Mainstem		
	Impact	Percent		Mortalities	Percent
Sport	3.83%	61%	Sport	74,600	61%
Comm	2.50%	39%	Comm	46,700	39%
Total	6.33%				

					Total	LRH	LRW	BPH	URB	LRB	PUB	SAB	SRW	LRH ER	SRW HR
<b>Ocean Harvest</b>					64,770	16,240	2,600	20,150	20,440	590	4,750				
<b>Columbia River Run</b>					669,510	114,430	15,110	129,010	318,090	8,710	78,870	5,300	12,660	6.33%	15.23%
<b>Harvest Below Bonneville</b>			<b>2024 Fishery Description</b>												
Zone 4-5 Wk 32. Aug 4-10		1 period (Wed)			280	30	0	0	220	0	10	0	10	0.00%	0.07%
Zone 4-5 Wk 33. Aug 11-17		2 periods (Mon,Wed)			2,150	280	0	850	880	0	20	0	40	0.00%	0.28%
Zone 4-5 Wk 34. Aug 18-24		3 periods (Sun, Tue, Thu)			11,470	2,100	0	5,260	2,300	150	970	0	90	0.64%	0.72%
Zone 4-5 Wk 35. Aug 25-31		3 periods (Sun, Tue, Thu)			14,100	1,870	0	7,990	2,860	20	180	0	110	0.41%	0.90%
Zone 4-5 Wk 36. Sep 1-7					0	0	0	0	0	0	0	0	0	0.00%	0.00%
Zone 4-5 Wk 37. Sep 8-14		1 period (Thu)			3,540	250	0	1,940	1,210	0	130	0	50	0.13%	0.38%
Zone 4-5 Wk 38. Sep 15-21		2 periods (Tue, Thu)			2,890	1,350	0	250	590	100	600	0	20	1.19%	0.19%
Zone 4-5 Wk 39. Sep 22-28		3 periods (Sun, Tue, Thu)			3,990	0	0	0	2,880	120	950	0	110	0.00%	0.91%
Zone 4-5 Wk 40-44. October		15 periods (Sun, Tue, Thu)			6,820	0	0	0	2,770	3940	0	0	110	0.00%	0.87%
Fall Tanglenet Wk 38-44		29 periods 4-5d/wk		Coho target	0	0	0	0	0	0	0	0	0	0.00%	0.00%
Alternative Gear - Seine/Pound Net	MSF				1,340	0	0	0	740	50	360	0	30	0.00%	0.23%
Select Areas full season				Full Season	100	0	0	50	0	0	0	0	0	0.00%	0.00%
Buoy 10 to WPI Kept + Morts	2 fish/1 CHF	3 fish/1 CHF;Sep12-Oct31	Aug1-29 MSF; Aug 30-Sep3, Sep12-Dec31 nMSF; Sep 4-11 Co only		11,560	5,370	0	1,010	290	0	50	2,690	10	0.12%	0.09%
WPI to Lewis	2 fish/1 CHF		Aug1-Sep4, Sep 20-Dec31 nMSF; Sep 5-11 MSF		25,860	7,200	0	3,350	5,520	30	1,290	870	160	1.79%	1.27%
Lewis to Bonn	2 fish/1 CHF		Aug1-Dec31 nMSF		14,190	1,610	0	1,930	8,760	130	1,720	0	330	0.95%	2.62%
Tributary Sport	MSF			Average season	18,370	980	0	0	14,270	310	2,770	0	570	0.86%	4.48%
<b>Lower River Total</b>				Average season	3,300	2,220	1,080	0	0	0	0	0	0	0.23%	0.00%
					<b>120,820</b>	<b>23,250</b>	<b>1,080</b>	<b>22,610</b>	<b>43,280</b>	<b>4,850</b>	<b>9,040</b>	<b>3,560</b>	<b>1,650</b>	<b>6.33%</b>	<b>13.00%</b>
Bonneville Dam Passage					450,870			105,660	274,800		69,320		11,010		
<b>Harvest Above Bonneville</b>															
Z6 - Bonn to Hwy 395	2 fish/1 CHF		Aug1-Dec31 nMSF		15,280			570	7,080		4,160		280		2.23%
Treaty Comm. and C&S				Average season	121,850			29,020	60,020		10,610		2,390		18.9%
Hanford Reach Sport				Average season	11,310			10,190					0		
McNary Dam Passage					167,090				165,340						
Lower Granite Dam Passage													6,755		
<b>Escapement</b>					90,880	14,020	51,950			3,860	30,010	1,740			
Hatchery					49,810		49,600				16,130	1,700			
Natural					41,070	14,020	2,350	165,340	3,860		13,870	40			
Hatchery Surplus					20,190		42,600				7,150	500			
Natural Surplus						7,209	1,050	105,340							

**2024 Pre-season Coho catch and impact summary**

FRAM Run: bc-Coho2420\_SOF2

Catch Summary						
Fishery	Total Mortality	Unmarked morts (kept + rel. mort)			Marked Kept Catch	
		Early	Late	Total	Early	Late
Tangle Net	11,713	1,341	880	2,220	3,320	6,173
Zone 4/5 Gillnet	4,350	1,878	518	2,395	1,097	857
Alternative Gear	9,763	2,217	796	3,013	4,050	2,700
Youngs Bay	15,190	627	-	627	14,563	-
Blind/Knappa	6,932	592	-	592	6,340	-
Tongue Point	3,653	251	-	251	3,402	-
Deep River	5,124	-	210	210	-	4,915
Buoy 10	29,107	5,315	616	5,931	18,265	4,911
Lower Columbia River	2,978	Unmarked	272	272	Marked	836
Ocean	127,733	18,095	8,106	26,201	45,287	56,245
<b>Sum</b>	<b>216,544</b>	<b>30,316</b>	<b>11,397</b>	<b>41,713</b>	<b>96,324</b>	<b>76,637</b>

  

Exploitation Rates						
Fishery		Unmarked			Marked	
		Early	Late	Total	Early	Late
Mainstem		2.35%	3.07%	2.68%	4.07%	5.69%
Alternative Gear		1.75%	1.63%	1.70%	3.73%	2.18%
Select Areas		0.16%	0.05%	0.11%	22.37%	3.97%
B10 Sport		4.20%	1.26%	2.85%	16.81%	3.97%
LCR Sport		0.21%	0.45%	0.32%	0.77%	0.68%
Ocean		14.30%	16.61%	15.36%	41.68%	45.48%
<b>Sum</b>		<b>22.98%</b>	<b>23.07%</b>	<b>23.0%</b>	<b>89.42%</b>	<b>61.98%</b>

**2024 Post-season Coho catch and impact summary**

FRAM Run: bc-bk2024\_OPITT

Catch Summary						
Fishery	Total Mortality	Unmarked morts (kept + rel. mort)			Marked Kept Catch	
		Early	Late	Total	Early	Late
Mainstem commercial	9,290	2,259	263	2,523	3,036	3,732
Youngs Bay	18,613	438	-	438	18,175	-
Blind/Knappa	8,630	512	-	512	8,118	-
Tongue Point	26,792	572	-	572	26,220	-
Deep River	6,824	-	189	189	-	6,635
LCR Sport Catch + TPI to	6,963	328	168	496	4,050	2,418
B10 Catch	41,322	6,018	351	6,369	29,578	5,375
Ocean Catch	133,736	19,630	4,971	24,601	52,545	56,590
<b>Sum</b>	<b>252,170</b>	<b>29,758</b>	<b>5,943</b>	<b>35,701</b>	<b>141,720</b>	<b>74,749</b>

  

Exploitation Rates						
Fishery		Unmarked			Marked	
		Early	Late	Total	Early	Late
Lower Mainstem		0.17%	0.34%	0.25%	0.73%	1.62%
Upper Mainstem		0.56%	0.29%	0.44%	0.49%	0.31%
Select Areas		0.09%	0.04%	0.07%	21.13%	3.44%
B10 Sport		2.43%	0.74%	1.66%	11.90%	2.79%
LCR Sport		0.13%	0.36%	0.23%	1.63%	1.25%
Ocean		7.90%	10.54%	9.11%	21.14%	29.32%
<b>Sum</b>		<b>11.29%</b>	<b>12.32%</b>	<b>11.8%</b>	<b>57.03%</b>	<b>38.73%</b>