

OREGON AND WASHINGTON DEPARTMENTS OF FISH AND WILDLIFE
JOINT STAFF REPORT
SUMMER FACT SHEET NO. 1
June 10, 2010

Fisheries under consideration:	Non-Indian commercial salmon
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STOCK STATUS

Upper Columbia Summer Chinook

- Upper Columbia summer Chinook are destined for areas above Priest Rapids Dam. Chinook passing Bonneville Dam during June 16 through July 31 are considered upper Columbia summer Chinook. These Chinook are not listed under the Endangered Species Act (ESA) and the population is considered healthy.
- The run is currently managed as a composite stock consisting of both hatchery and natural origin fish. Hatchery production uses an integrated broodstock management strategy, incorporating both wild and hatchery-origin fish in hatchery production.
- The 2010 forecast of 88,800 adults to the Columbia River mouth is 165% of the 2009 return of 53,900 adults, and would represent the highest return since 2002.
- Based on the 2010 forecast, daily counts at Bonneville Dam are expected to average about 2,900 Chinook per day during June 16-30 and then steadily decrease to 700 fish per day by the end of July. Passage is typically 50% complete by the end of June.

Summer Steelhead

- Upriver stocks of summer steelhead migrate above Bonneville Dam during April 1 through October 31. Summer steelhead passing Bonneville Dam prior to July 1 are considered Skamania stock, and steelhead passing between July 1 and October 31 are classified as either Group A or Group B fish.
- Steelhead handled in Columbia River fisheries below Bonneville Dam are considered lower Skamania stock during May-June and upriver stock during July-October.
- An estimated 453,000 upriver summer steelhead are expected to pass Bonneville Dam in 2010, which is 139% of the recent 10-year average of 326,000 fish. The minimum run size of lower Skamania steelhead averaged 65,000 fish during 2005-2009.
- Bonneville Dam passage during April 1-June 8 totals 7,447 summer steelhead.

Sockeye

- The 2010 sockeye forecast of 125,200 fish to the Columbia River mouth is considered a strong run compared to the 10-year average of 97,000 fish. The forecast includes 14,300 Wenatchee stock, 110,300 Okanogan stock, and 600 Snake River sockeye.
- The predicted Wenatchee return is 62% of the 23,000 fish escapement goal for that system.
- Bonneville Dam passage through June 8 totals 2,146 sockeye. Passage is typically 50% complete by June 24 based on the recent 10-year average.

MANAGEMENT GUIDELINES

Management Agreements

- The 2008-2017 *U.S. v Oregon* Management Agreement (MA) provides specific fishery management guidelines for treaty and non-treaty summer season fisheries.
- The Upper Columbia Management Agreement (UCMA) provides additional harvest and management guidelines for sharing of upper Columbia summer Chinook among non-treaty fisheries.

Summer Chinook

- Mainstem Columbia River Chinook fisheries occurring from June 16 through July 31 are managed based on a minimum interim escapement goal of 29,000 hatchery and natural origin adult upper Columbia summer Chinook, as measured at the Columbia River mouth. For returns greater than 50,000 the escapement increases relative to the run size.

2008-2017 Upper Columbia Summer Chinook Harvest Rate Schedule		
Run Size at River Mouth	Allowed Treaty Harvest	Allowed Non-Treaty Harvest
<5,000	5%	<100 Chinook
5,000-<16,000	5%	<200 Chinook
16,000-<29,000	1%	5%
29,000-<32,000	1%	5%-6%
32,000- <36,250 (125% of 29,000 goal)	1%	7%
36,250-50,000	50% of total harvestable ¹	50% of total harvestable ¹
>50,000	50% of 75% of margin above 50,000 plus 10,500 ²	

¹The total number of harvestable fish is defined as the run size minus 29,000 for run sizes of 36,250 to 50,000.
²For the purposes of this Agreement, the total number of harvestable fish at run sizes greater than 50,000 is to be determined by the following formula: $(0.75 * (\text{runsize} - 50,000)) + 21,000$.

Non-treaty Summer Chinook Harvest Allocation

- Non-treaty fisheries include:
 - Colville and Wanapum tribal fisheries.
 - Recreational fisheries from Astoria/Megler Bridge upstream to Chief Joseph Dam.
 - Commercial fisheries below Bonneville Dam (Zones 1-5).
 - Ocean fisheries south of Canada

2010 Upper Columbia Summer Chinook Allocation		
Preseason Run Size		88,800
Ocean Harvest		1,200
Total Abundance (with ocean harvest)		90,000
Available Treaty Harvest		25,500
Available Non-Treaty Harvest		25,500
Available Non-Treaty Harvest in Columbia River		24,300
<i>Allocated above Priest Rapids Dam</i>		13,400
<i>Allocated below Priest Rapids Dam*</i>		10,900
Recreational below Priest Rapids Dam	50%	5,450
<i> Below Bonneville Dam</i>		4,100
<i> Bonneville Dam to Priest Rapids Dam</i>		1,350
Non-treaty Commercial	50%	5,450
Escapement after fisheries		39,000

*Includes 1,700 fish from Colville tribal allocation provided to fisheries below Priest Rapids Dam.

- The allocation for non-treaty fisheries is based on the preseason run size forecast, the MA, the UCMA (including preseason negotiations with the Colville Tribe) and commission guidance. The Colville Tribe contributed a portion of their harvestable share to non-Indian fisheries, which is incorporated in the allocation table.

Summer Steelhead

- The non-Indian ESA impact limit on wild summer steelhead is 2% during January through July. Fisheries planned for May through July in 2010 are expected to remain within the ESA limit.
- For non-Indian fisheries occurring during May and June below Bonneville Dam, wild steelhead impact rates have averaged less than 0.5%, and are expected to be similar for 2010 fisheries. July fisheries are also expected to be well within the ESA impact limits for wild steelhead.

Sockeye

- The management goal for upper Columbia River sockeye is 65,000 fish at Priest Rapids Dam, which under average migration conditions requires passage of 75,000 fish over Bonneville Dam.
- The non-Indian ESA impact limit on listed sockeye is 1% of the run entering the Columbia River. The treaty Indian ESA impact limit for 2010 is 7% (based on preseason forecast).
- Based on the preseason forecast and the 1% ESA impact limit, 1,250 sockeye are available to non-Indian fisheries. Incidental release mortalities will likely approach half of this amount. Directed (non-Indian) sockeye fisheries are not expected in 2010 due to the low projected return of Wenatchee stock.

2010 SUMMER SEASON FISHERIES

- Non-treaty summer Chinook fisheries were discussed with constituents during the North of Falcon (NOF) and Pacific Fisheries Management Council (PFMC) meetings occurring in March and April. Seasons relating to Columbia River summer salmon fisheries are based on the results of these meetings, management agreements, preseason forecasts, and allocation guidelines.
- Summer Chinook recreational fisheries are scheduled to be open from the Astoria-Megler Bridge upstream to Priest Rapids Dam throughout the entire summer season of June 16 through July 31. Recreational summer Chinook fisheries above Priest Rapids Dam begin July 1. Recreational fisheries for 2010 will be mark-selective, allowing the retention of only adipose fin-clipped hatchery fish.
- Summer Chinook commercial fisheries will utilize large mesh (8" min.) gear to minimize incidental handle of steelhead. A total of 533 white sturgeon are allocated to the summer commercial season (300 guideline plus 233 rollover from winter-spring fisheries). Weekly landing limits will be used to manage catches. Based on the summer Chinook harvest allocation, the fishery is expected to consist of 3-5 fishing periods.

FISHERY RECOMMENDATIONS

<i>Non-Indian Summer Chinook Commercial Fishery</i>		
Option 1	7 PM Thursday June 17 to 5 AM Friday June 18	(10 hours)
	7 PM Tuesday June 22 to 5 AM Wednesday June 23	(10 hours)
Area	June 17-18: Zone 1 upstream to I-205 Bridge; June 22-23: Zones 1-5	
Option 2	7 PM Sunday June 20 to 5 AM Monday June 21	(10 hours)
	7 PM Tuesday June 22 to 5 AM Wednesday June 23	(10 hours)
Area	Zones 1-5	
Sanctuaries:	Grays River, Elokommin-A, Cowlitz River, Kalama-A, Lewis-A, Washougal and Sandy Rivers as applicable.	
Gear:	8-inch minimum mesh size.	
Multi- Net Rule:	Nets not specifically authorized for use in this fishery may be onboard the vessel if properly stored. A properly stored net is defined as a net on a drum that is fully covered by a tarp (canvas or plastic) and bound with a minimum of ten revolutions of rope with a diameter of 3/8 (0.375) inches or greater.	
Allowable Sales:	Chinook, coho, white sturgeon, and shad. A maximum of three white sturgeon may be possessed or sold by each participating vessel during each calendar week (Sunday through Saturday) that the fishery is open.	
Additional:	A 24-hour quick reporting rule is in effect for Washington buyers.	

- Staff is providing two options because the structure (start date and fishing area for the initial period) of the summer Chinook season was not finalized upon conclusion of NOF.
- For Option 1, catch expectations include 2,000 – 2,500 Chinook for the first period and 1,200 – 1,800 Chinook for the second period (3,200 - 4,300 total). For Option 2, catch expectations are 2,500 – 3,500 Chinook for both periods combined.
- Nighttime fishing will minimize commercial interactions with sport fishers and other recreational boaters.
- Effort is expected to be high (>100 boats) if the season opens on June 17 (Option 1) and decrease thereafter as a portion of the fleet departs to Alaska.

FUTURE MEETINGS

- A Compact during the week of June 21 will likely be necessary to consider treaty and additional non-treaty commercial (depending on fishery and run performance) Chinook fisheries.
- A fall Compact hearing is scheduled for 10 AM July 29, at 25 River Street in Cathlamet, Washington.

<i>Columbia River Mouth Adult Fish Returns Actual and Forecasts**</i>					
			2009 Forecast	2009 Return	2010 Forecast
Spring Chinook	Total Spring Chinook		353,700	221,300	559,900
	Willamette		37,600	39,400	62,700
	Sandy		5,200	2,700	3,700
	Cowlitz*		4,100	4,900	12,500
	Kalama*		900	300	900
	Lewis*		2,200	1,900	6,000
	Select Areas		4,800	2,800	4,100
	Lower River total		54,800	52,000	89,900
	Wind*		6,900	4,600	14,000
	Drano Lake*		9,600	10,700	28,900
	Klickitat*		2,000	1,500	4,500
	Yakima*		15,900	7,500	16,600
	Upper Columbia	Total	23,100	17,400	57,300
	<i>Upper Columbia</i>	<i>Wild</i>	<i>2,700</i>	<i>1,800</i>	<i>5,700</i>
	Snake River	Total	179,200	92,000	272,000
	Spring/Summer				
	<i>Snake River</i>	<i>Wild</i>	<i>29,700</i>	<i>20,900</i>	<i>73,400</i>
	Upriver Total		298,900	169,300	470,000
Summer Chinook	Upper Columbia	Total	70,700	53,900	88,800
Fall Chinook	LRH - Lower River	Hatch.	88,200	76,700	85,600
	LRW - Lower River	Wild	8,600	7,500	10,000
	BPH - Bonneville Pool	Hatch.	56,500	49,000	162,900
	URB - Upriver Bright		269,700	212,000	319,200
	<i>Snake River Wild</i>	<i>Wild</i>	<i>6,600</i>	<i>4,100</i>	<i>5,300</i>
	MCB - Mid Col. Bright		98,000	73,100	74,500
	<i>BUB - Bonn. Upr. Br.</i>	<i>Hatch.</i>	<i>50,200</i>	<i>38,100</i>	<i>30,200</i>
	<i>LRB - L. River Brights</i>	<i>Wild</i>	<i>1,700</i>	<i>900</i>	<i>900</i>
	<i>PUB - Pool Upr. Br.</i>	<i>Hatch.</i>	<i>46,100</i>	<i>34,100</i>	<i>43,400</i>
	SAB - Select Area Br.	Hatch.	12,000	10,600	12,700
	Total Fall Chinook		532,900	429,000	664,900
Coho	Early stock		466,600	473,500	188,000
	Late stock		236,500	248,100	98,600
	Total Coho		703,100	721,600	286,600
Sockeye	Wenatchee		18,300	32,100	14,300
	Okanogan		164,900	145,400	110,300
	Snake River	<i>Wild</i>	<i>600</i>	<i>1,400</i>	<i>600</i>
	Total Sockeye		183,800	179,000	125,200
Steelhead	Wild winter steelhead	Wild	15,200	11,400	20,100
	Upriver Skamania Index	Total	16,000	13,900	16,400
		<i>Wild</i>	<i>4,200</i>	<i>3,500</i>	<i>3,300</i>
	Group A-run Index	Total	278,900	543,100	337,500
		<i>Wild</i>	<i>75,400</i>	<i>154,000</i>	<i>107,000</i>
	Group B-run Index	Total	56,900	44,500	99,100
		<i>Wild</i>	<i>10,300</i>	<i>13,700</i>	<i>14,300</i>
	Total Upr. Steelhead	Total	351,800	601,600	453,000
		<i>Wild</i>	<i>89,900</i>	<i>171,300</i>	<i>124,600</i>

*Return to tributary mouth

**Totals may not sum due to rounding; forecasts not available for all upriver spring Chinook tributaries.