

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 |
|--------------------------------|------------------------------|

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 | |
| ¹ The total number of harvestable fish is defined as the run size minus 29,000 for run sizes of 36,250 to 50,000. ² For 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, Elokomina-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> | 2,700 | 1,800 | 5,700 |
| | Snake River | Total | 179,200 | 92,000 | 272,000 |
| | Spring/Summer | | | | |
| | <i>Snake River</i> | <i>Wild</i> | 29,700 | 20,900 | 73,400 |
| | 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> | 6,600 | 4,100 | 5,300 |
| | MCB - Mid Col. Bright | | 98,000 | 73,100 | 74,500 |
| | <i>BUB - Bonn. Upr. Br.</i> | <i>Hatch.</i> | 50,200 | 38,100 | 30,200 |
| | <i>LRB - L. River Brights</i> | <i>Wild</i> | 1,700 | 900 | 900 |
| | <i>PUB - Pool Upr. Br.</i> | <i>Hatch.</i> | 46,100 | 34,100 | 43,400 |
| | 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> | 600 | 1,400 | 600 |
| | 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> | 4,200 | 3,500 | 3,300 |
| | Group A-run Index | Total | 278,900 | 543,100 | 337,500 |
| | | <i>Wild</i> | 75,400 | 154,000 | 107,000 |
| | Group B-run Index | Total | 56,900 | 44,500 | 99,100 |
| | | <i>Wild</i> | 10,300 | 13,700 | 14,300 |
| | Total Upr. Steelhead | Total | 351,800 | 601,600 | 453,000 |
| | | <i>Wild</i> | 89,900 | 171,300 | 124,600 |

*Return to tributary mouth

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