



## Fish Passage Center

# Weekly Report #05 - 31

November 04,  
2005

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**NOTE: This is the last weekly report for 2005; the reports will resume in March 2006.**

### Summary of Events:

**Water Supply:** Water Year 2006 began on October 1, 2005. Precipitation has been below average over the first twenty-four days of October at most Columbia Basin locations. Of the sites in Table 1, only five recorded precipitation that was greater than average over the first twenty-four days of October. Although not reported in Table 1, late October and early November precipitation has been significant in many portions of the Columbia Basin.

**Table 1. Summary of October precipitation and cumulative WY 2006 precipitation with respect to average (1971-2000), at select locations within the Columbia and Snake River Basins.**

Location	Water Year 2006 October 1-24		Water Year 2006 October 1, 2005 to October 24, 2005	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	2.10	147	2.72	169
Snake River Above Ice Harbor	0.85	92	0.73	69
Columbia Above The Dalles	1.50	117	1.66	127
Kootenai	2.58	180	2.77	171
Clark Fork	0.86	95	1.53	126
Flathead	1.45	111	3.01	185
Pend Oreille/Spokane	1.82	110	1.71	114
Central Washington	0.45	95	0.25	56
Snake River Plain	0.51	77	0.58	69
Salmon/Boise/Payette	0.83	86	0.48	47
Clearwater	1.32	79	0.88	52
SW Washington Cascades/Cowlitz	3.18	74	2.08	67
Willamette Valley	1.90	57	1.12	53

River flows at Lower Granite Dam have ranged between 15.0 and 19.1 Kcfs between October 28<sup>th</sup> and November 3<sup>rd</sup>, 2005. River flows at McNary Dam have ranged between 72.0 and 122.5 Kcfs over the same time period.

Grand Coulee Reservoir is currently at an elevation of 1287.2 feet (November 3<sup>rd</sup>, 2005 midnight) and has held steady in the last week.

The Libby Reservoir is currently at an elevation of 2445.9 feet (11-03-05) and refilled 0.6 feet last week.

Hungry Horse is currently at an elevation of 3539.2 feet (November 3<sup>rd</sup>, 2005 midnight) and has refilled 0.7 feet last week. Outflows at Hungry Horse have been approximately 0.5 Kcfs over the last week.

Dworshak is currently an elevation of 1518.3 feet (November 3<sup>rd</sup>, 2005 midnight). Outflows at Dworshak are at the 1.5-1.6 Kcfs minimum.

The Brownlee Reservoir was at an elevation of 2063.6 on November 3<sup>rd</sup>, 2005 and has refilled 3.2 feet last week. Outflows at Brownlee ranged between 7.7 and 12.8 Kcfs over the last week. Outflows at Hells Canyon ranged between 8.7 and 9.0 Kcfs over the last week.

**Smolt Monitoring:** Sampling ended at the last three remaining SMP sites on October 31. Passage indices for subyearling Chinook inched higher at the monitoring sites that were still sampling, although numbers are very low at this time. At Lower Granite Dam in the Lower Snake River, the subyearling Chinook passage index averaged 290 per day over the last four days of sampling at the end of October compared to 245 per day the previous week. Relatively large numbers (420) PIT-tagged subyearling chinook from the BCCAP releases, the “wild-surrogate releases” from the Clearwater River, have been detected at Lower Granite in the past two weeks. At Little Goose Dam the subyearling index averaged 150 per day the past week compared to about 50 per day the previous week. At Bonneville Dam the subyearling index averaged almost 50 per day the past week.

Small but increased numbers of yearling chinook passed Lower Granite Dam in the past few weeks as a late season release in the South Fork Clearwater River began to arrive at the project. Four of the 694 PIT-tagged yearling that were part of the 343,000 yearling chinook released at Powell Pond at the end of September, were detected in the past two weeks.

**Hatchery Releases** - The Zone Release Report below summarizes releases of juvenile salmonids (species) from State, Federal or Tribal hatcheries or acclimation ponds for the 2005 migration. Releases from hatcheries located above Bonneville Dam have been included in the Table. For the 2005 migration season, approximately 83.7 million juvenile fish were released from hatcheries in the Snake and Columbia River above Bonneville.

Juvenile sockeye were released last month into Pettit, Alturas and Redfish lakes in the upper Salmon River basin and into Lake Wenatchee in the Wenatchee River basin. These sockeye will reside in the lakes and migrate next spring (06). Warm springs NFH began their normal volitional release of spring Chinook in October and fish will

be allowed to leave volitionally through this month. Most of these fish should reside in the Warm Springs or Deschutes River this fall and winter before migrating out to the ocean in 2006. A volitional release of spring Chinook is on-going from Lookingglass H with the fish likely residing in the Grande Ronde River basin till the spring migration season. A release of spring Chinook was completed into Newsome Creek in early October.

Hatchery Zone Release Report

	Friday 04-Nov-2005			
	Snake River	MCOL	LCOL	Total Release
Fall Chinook	4,907,703	12,449,054	21,567,139	38,923,896
Spring Chinook	9,440,350	5,158,571	5,150,959	19,749,880
Summer Chinook	2,348,012	3,370,613		5,718,625
Coho	816,300	1,868,096	5,149,621	7,834,017
Sockeye	209,046	592,459		801,505
Summer Steelhead	8,887,764	1,188,619	523,769	10,600,152
Winter Steelhead			118,793	118,793
Total	26,609,175	24,627,412	32,510,281	83,746,868

**Adult Fish Passage** - At Bonneville Dam, numbers of adult fall Chinook salmon have fallen to about 100 to 200 per day during the past two weeks ending October 31st. The season total of 414,193 adult Chinook salmon was 71.2% and 126.7% of the respective 2004 and 10-year average count. Tule fall Chinook and Bright fall Chinook counts at the Bonneville Project can be accessed at the FPC website: [http://www.fpc.org/adultsalmon/adulthistory/bon\\_tule\\_brights2005.html](http://www.fpc.org/adultsalmon/adulthistory/bon_tule_brights2005.html). This information is completed for the 2005 season and was received from WDFW who compiles the information from observation of adult fish passing the count windows at Bonneville Dam. Through October 31st, about 134,037 adult fall Chinook were counted at McNary Dam with the passage of these fish into the Snake and Mid-Columbia as follows: about 14,700 counted into the Snake (Ice Harbor) and 29,900 counted into the Mid-Columbia (Priest Rapids) and 1,600 counted at Prosser Dam on the Yakima River. The majority of fish passing McNary are destined for the Hanford Reach of the Columbia River located below Priest Rapids Dam. A portion of these fall Chinook above McNary Dam also are

hatchery reared fish from Priest Rapids or Ringold hatcheries, both located in the upper reach of the Hanford area of the Mid-Columbia River.

At Bonneville Dam, steelhead counts were down to about 100 to 200 per day by the end of October. This year's total of 312,037 was about equal to the 2004 count as well as the 10-year average through October. Upstream at The Dalles Dam, the cumulative steelhead count through October 31st was 239,559, with the count differential between Bonneville and The Dalles Dam now reduced to 72,478, or approximately 77% of the steelhead counted at Bonneville have passed The Dalles Dam. At McNary Dam, 213,692 steelhead have been counted to date with 151,422 counted into the Snake River (Ice Harbor) and 12,378 counted into the Mid-Columbia River at Priest Rapids Dam. The principal rivers with steelhead between McNary Dam and upstream dams are the Yakima River and the Walla Walla rivers.

The daily counts of coho salmon at Bonneville Dam also reduced to 100 to 200 fish per day by the end of October with the cumulative count at 82,615 adults. This total is less than the 2004 count, but exceeds the 10-year average. The total adult coho counts at The Dalles and John Day projects now exceed 30,000 adult coho for the season with about 18,500 above McNary Dam. The upstream rivers such as the Umatilla River, the Yakima River, tributaries of the upper Columbia River and the Snake River will be the recipients of the fish past John Day Dam. About 6,200 adult coho have been counted above Rock Island Dam this season with about 2,000 counted at the Snake River projects.

As a point of interest, a few chum salmon were counted at Bonneville Dam through the end of October. Most chum salmon are destined for areas below Bonneville.

During the Treaty fall fishery that occurred between Bonneville and McNary dams (Zone 6), reports from harvest indicated that about 92,400 Chinook, 7,700 steelhead, and 2,200 coho were sold to the buyers this season. These numbers are preliminary harvest totals for the 2005 fall season.

**Daily Average Flow and Spill (in kcfs) at Mid-Columbia Projects**

Date	Grand Coulee		Chief Joseph		Wells		Rocky Reach		Rock Island		Wanapum		Priest Rapids	
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
10/21/05	81.3	0.0	82.0	0.0	86.7	0.0	87.4	0.0	87.4	0.0	88.3	0.9	87.6	0.8
10/22/05	74.5	0.0	71.6	0.0	73.3	0.0	73.6	0.0	74.7	0.0	60.7	1.3	55.7	1.0
10/23/05	62.1	0.0	67.4	0.0	64.0	0.0	65.7	0.0	65.4	0.0	55.8	1.9	47.7	1.1
10/24/05	105.3	0.0	93.8	0.0	93.6	0.7	96.0	0.0	90.7	0.0	105.8	2.0	103.3	0.8
10/25/05	82.1	0.0	88.8	0.0	96.5	0.0	101.6	0.0	100.9	0.0	103.8	1.7	97.2	0.9
10/26/05	98.7	0.0	99.2	0.0	94.3	0.0	94.9	0.0	69.4	0.0	101.2	1.8	97.1	1.1
10/27/05	105.3	0.0	103.5	0.0	101.4	0.0	98.7	0.0	98.5	0.0	111.0	1.7	107.4	1.0
10/28/05	73.7	0.0	79.5	0.0	84.1	0.0	84.6	0.0	84.3	0.0	90.5	1.5	92.1	1.0
10/29/05	51.8	0.0	53.1	0.0	62.6	0.0	71.6	0.0	72.0	0.0	75.8	1.4	68.6	1.0
10/30/05	60.4	0.0	54.7	0.0	46.7	0.0	46.3	0.0	44.6	0.0	52.6	1.5	48.6	1.1
10/31/05	76.5	0.0	79.4	0.0	78.8	0.0	79.6	0.0	79.4	0.0	86.0	1.3	82.0	0.7
11/01/05	92.9	0.0	96.2	0.0	93.6	5.6	89.6	0.0	88.3	0.0	97.4	1.3	97.2	0.6
11/02/05	70.1	0.0	73.9	0.0	84.0	0.0	84.1	0.0	83.9	0.0	95.6	1.2	86.0	0.7
11/03/05	89.7	0.0	83.4	0.0	74.7	0.2	77.1	0.0	76.6	0.0	80.7	1.1	90.7	0.6

**Daily Average Flow and Spill (in kcfs) at Snake Basin Projects**

Date	Dworshak		Hells Brownlee Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
10/21/05	1.6	0.0	10.9	8.7	20.8	0.1	22.6	0.0	25.5	0.0	25.1	0.0
10/22/05	1.6	0.0	10.5	8.7	13.8	0.0	14.0	0.0	16.1	0.0	14.4	0.0
10/23/05	1.6	0.0	10.7	8.7	15.1	0.0	14.5	0.0	13.8	0.0	13.7	0.0
10/24/05	1.6	0.0	10.7	8.7	15.7	0.0	15.3	0.0	15.3	0.0	14.6	0.0
10/25/05	1.6	0.0	10.4	8.7	16.0	0.0	14.6	0.0	15.4	0.0	14.6	0.0
10/26/05	1.6	0.0	10.9	8.7	13.9	0.0	14.0	0.0	14.7	0.0	14.7	0.0
10/27/05	1.8	0.0	12.8	8.7	16.6	0.0	15.1	0.0	17.1	0.0	15.8	0.0
10/28/05	1.6	0.0	11.5	8.7	15.3	0.0	15.7	0.0	14.5	0.0	14.3	0.0
10/29/05	1.6	0.0	12.8	8.7	15.0	0.0	15.3	0.0	16.1	0.0	17.5	0.0
10/30/05	1.6	0.0	12.5	8.7	17.2	0.0	16.7	0.0	15.8	0.0	15.8	0.0
10/31/05	1.6	0.0	11.9	8.7	16.4	0.0	16.6	0.0	16.8	0.0	16.5	0.0
11/01/05	1.6	0.0	12.2	8.9	16.3	0.0	18.0	0.0	17.6	0.0	16.1	0.0
11/02/05	1.6	0.0	11.8	9.0	18.5	0.0	15.4	0.0	16.4	0.0	18.1	0.0
11/03/05	1.6	0.0	---	---	19.1	0.0	20.0	0.0	21.3	0.0	18.9	0.0

**Daily Average Flow and Spill (in kcfs) at Lower Columbia Projects**

Date	McNary		John Day		The Dalles		Bonneville			
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	PH1	PH2
10/21/05	106.5	0.0	94.7	0.8	99.2	0.0	114.2	1.2	27.6	78.6
10/22/05	89.7	0.0	94.5	0.7	96.4	0.0	104.5	1.2	21.0	75.5
10/23/05	71.4	0.0	77.7	0.8	82.2	0.0	85.5	1.2	5.7	71.8
10/24/05	116.1	0.0	112.4	0.7	115.8	0.0	109.9	1.2	24.8	77.1
10/25/05	118.1	0.0	112.7	0.7	114.4	0.0	116.0	1.2	25.5	82.5
10/26/05	111.2	0.0	107.3	0.7	108.6	0.0	119.1	1.2	34.0	77.1
10/27/05	113.9	0.0	120.4	0.8	121.2	0.0	119.0	1.1	33.7	77.3
10/28/05	120.5	0.0	111.4	0.8	112.4	0.0	117.9	1.2	32.1	77.8
10/29/05	110.0	0.0	109.0	0.7	111.3	0.0	109.5	1.2	26.2	75.3
10/30/05	72.0	0.0	78.0	0.7	79.4	0.0	91.8	1.0	8.3	75.7
10/31/05	102.0	0.0	112.1	0.8	116.3	0.0	118.7	1.1	31.3	79.6
11/01/05	106.3	0.0	103.6	0.7	108.2	0.0	121.5	1.1	40.7	73.0
11/02/05	122.5	0.0	106.6	0.7	110.4	0.0	121.2	1.1	43.1	70.4
11/03/05	115.8	0.0	117.1	0.8	119.4	0.0	121.1	1.1	54.1	59.3

## Total Dissolved Gas Saturation (%) - Average of 12 Highest Hours, 24 h Average and 24 h High

### Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	<u>Hungry H. Dnst</u>			<u>Boundary</u>			<u>Grand Coulee</u>			<u>Grand C. Tlwr</u>			<u>Chief Joseph</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
10/21	---	---	---	0	101	101	102	24	99	99	99	24	97	98	99	24	98	98	98	23
10/22	---	---	---	0	102	102	103	24	99	99	99	24	98	99	100	24	98	99	99	24
10/23	---	---	---	0	102	102	103	24	99	100	100	24	98	98	100	24	98	99	99	24
10/24	---	---	---	0	101	102	102	24	99	100	100	22	98	99	101	24	98	99	99	24
10/25	---	---	---	0	102	102	103	24	100	100	101	24	98	99	101	24	99	100	100	24
10/26	---	---	---	0	102	102	103	24	100	100	100	24	98	99	100	24	99	99	99	24
10/27	---	---	---	0	102	102	102	24	99	100	100	24	98	99	102	24	98	98	98	24
10/28	---	---	---	0	101	102	102	24	100	100	100	24	98	98	99	24	99	99	99	23
10/29	---	---	---	0	101	101	102	23	99	99	99	24	97	98	100	23	98	98	98	24
10/30	---	---	---	0	100	101	101	24	98	98	98	24	97	98	101	24	97	97	97	23
10/31	---	---	---	0	101	101	102	24	98	99	99	24	97	98	99	24	97	98	98	24
11/1	---	---	---	0	101	101	102	14	99	99	99	24	98	98	101	14	98	99	99	24
11/2	---	---	---	0	101	102	103	21	99	99	99	21	98	99	101	21	98	98	99	11
11/3	---	---	---	0	103	106	111	24	100	100	100	24	99	99	100	24	---	---	---	0

### Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. Tlwr</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
10/21	100	100	101	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
10/22	99	100	100	24	---	---	---	0	---	---	---	0	99	100	100	24	100	100	101	24
10/23	99	100	100	24	---	---	---	0	---	---	---	0	99	99	99	24	99	99	99	24
10/24	99	100	101	24	---	---	---	0	---	---	---	0	98	98	99	24	98	99	99	24
10/25	101	101	102	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
10/26	100	101	102	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
10/27	100	100	101	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
10/28	101	101	103	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
10/29	99	100	101	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
10/30	97	97	98	23	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
10/31	97	98	99	23	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
11/1	99	99	100	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
11/2	99	99	100	10	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
11/3	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24

### Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</u>			
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
10/21	98	98	99	24	99	99	99	24	---	---	---	0	---	---	---	0
10/22	99	99	100	24	99	100	101	24	---	---	---	0	---	---	---	0
10/23	99	100	101	24	100	101	102	24	---	---	---	0	---	---	---	0
10/24	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
10/25	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
10/26	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
10/27	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
10/28	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
10/29	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
10/30	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
10/31	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
11/1	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
11/2	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
11/3	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0

## Total Dissolved Gas Saturation (%) - Average of 12 Highest Hours, 24 h Average and 24 h High

### Total Dissolved Gas Saturation Data at Lower Columbia and Snake River Sites

Date	<u>Priest R. Dnst</u>			<u>Pasco</u>			<u>Dworshak</u>			<u>Clrwrtr-Peck</u>			<u>Anatone</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High					
	Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg			Avg			
10/21	---	---	---	0	---	---	---	0	103	104	107	24	102	103	104	24	---	---	---	0
10/22	---	---	---	0	---	---	---	0	104	104	105	24	101	102	104	24	---	---	---	0
10/23	---	---	---	0	---	---	---	0	104	104	106	24	101	103	104	24	---	---	---	0
10/24	---	---	---	0	---	---	---	0	104	104	105	24	101	103	105	24	---	---	---	0
10/25	---	---	---	0	---	---	---	0	104	105	106	24	102	103	105	24	---	---	---	0
10/26	---	---	---	0	---	---	---	0	103	104	104	24	101	101	103	24	---	---	---	0
10/27	---	---	---	0	---	---	---	0	104	105	108	24	101	102	104	24	---	---	---	0
10/28	---	---	---	0	---	---	---	0	103	103	105	24	100	101	103	24	---	---	---	0
10/29	---	---	---	0	---	---	---	0	103	103	104	24	100	102	104	24	---	---	---	0
10/30	---	---	---	0	---	---	---	0	102	102	103	23	100	101	103	23	---	---	---	0
10/31	---	---	---	0	---	---	---	0	102	102	103	24	100	101	102	24	---	---	---	0
11/1	---	---	---	0	---	---	---	0	103	104	105	23	101	102	103	24	---	---	---	0
11/2	---	---	---	0	---	---	---	0	103	104	105	21	100	101	102	23	---	---	---	0
11/3	---	---	---	0	---	---	---	0	103	104	105	24	101	102	102	24	---	---	---	0

### Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwrtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite Tlwr</u>			<u>Little Goose</u>			<u>L. Goose Tlwr</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High					
	Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg			Avg			
10/21	---	---	---	0	97	97	98	24	97	97	99	24	---	---	---	0	---	---	---	0
10/22	---	---	---	0	98	98	98	24	98	98	99	24	---	---	---	0	---	---	---	0
10/23	---	---	---	0	98	98	99	24	98	99	100	24	---	---	---	0	---	---	---	0
10/24	---	---	---	0	98	98	99	24	98	98	99	21	---	---	---	0	---	---	---	0
10/25	---	---	---	0	99	99	100	24	99	99	100	11	---	---	---	0	---	---	---	0
10/26	---	---	---	0	98	98	99	24	98	99	99	24	---	---	---	0	---	---	---	0
10/27	---	---	---	0	98	98	99	24	98	98	99	24	---	---	---	0	---	---	---	0
10/28	---	---	---	0	98	98	98	24	98	98	98	24	---	---	---	0	---	---	---	0
10/29	---	---	---	0	97	97	97	24	97	97	98	24	---	---	---	0	---	---	---	0
10/30	---	---	---	0	96	96	96	24	96	96	97	24	---	---	---	0	---	---	---	0
10/31	---	---	---	0	96	96	96	24	96	96	98	24	---	---	---	0	---	---	---	0
11/1	---	---	---	0	97	98	98	24	97	97	98	24	---	---	---	0	---	---	---	0
11/2	---	---	---	0	97	98	98	24	97	98	99	24	---	---	---	0	---	---	---	0
11/3	---	---	---	0	98	98	99	24	98	98	99	24	---	---	---	0	---	---	---	0

### Total Dissolved Gas Saturation Data at Snake and Lower Columbia River Sites

Date	<u>Lower Mon.</u>			<u>L. Mon. Tlwr</u>			<u>Ice Harbor</u>			<u>Ice Harbor Tlwr</u>			<u>McNary-Oregon</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High					
	Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg			Avg			
10/21	---	---	---	0	---	---	---	0	98	98	100	14	98	98	99	24	99	100	101	24
10/22	---	---	---	0	---	---	---	0	98	98	98	24	99	99	100	24	99	100	101	24
10/23	---	---	---	0	---	---	---	0	98	98	98	24	99	99	100	24	100	100	101	24
10/24	---	---	---	0	---	---	---	0	97	98	98	24	99	100	101	24	99	99	100	24
10/25	---	---	---	0	---	---	---	0	98	98	98	24	100	101	105	19	100	100	101	24
10/26	---	---	---	0	---	---	---	0	97	97	97	24	99	99	100	24	99	99	99	24
10/27	---	---	---	0	---	---	---	0	97	97	98	24	99	99	101	24	99	99	100	23
10/28	---	---	---	0	---	---	---	0	97	97	98	24	99	99	100	24	99	99	99	24
10/29	---	---	---	0	---	---	---	0	96	96	97	24	98	98	99	24	97	98	98	24
10/30	---	---	---	0	---	---	---	0	96	96	96	24	97	98	99	24	97	98	98	24
10/31	---	---	---	0	---	---	---	0	96	96	96	24	97	98	98	24	97	98	98	24
11/1	---	---	---	0	---	---	---	0	97	97	98	24	98	99	99	24	98	99	99	24
11/2	---	---	---	0	---	---	---	0	97	97	97	24	98	98	99	24	98	98	99	24
11/3	---	---	---	0	---	---	---	0	97	98	98	24	99	99	100	24	99	99	99	24

## Total Dissolved Gas Saturation (%) - Average of 12 Highest Hours, 24 h Average and 24 h High

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	McNary-Wash			McNary Tlwr			John Day			John Day Tlwr			The Dalles							
	24 h	12 h	#	24 h	12 h	#	24h	12h	#	24h	12h	#	24h	12h	#					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr				
10/21	98	99	100	24	99	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0
10/22	99	99	100	24	100	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0
10/23	99	100	100	24	100	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0
10/24	99	100	100	24	99	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0
10/25	100	100	100	24	100	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0
10/26	99	99	100	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
10/27	99	100	100	23	99	99	100	23	---	---	---	0	---	---	---	0	---	---	---	0
10/28	99	100	100	24	99	99	100	24	---	---	---	0	---	---	---	0	---	---	---	0
10/29	98	98	99	24	98	98	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/30	97	97	97	24	97	97	97	24	---	---	---	0	---	---	---	0	---	---	---	0
10/31	97	98	98	24	98	98	98	24	---	---	---	0	---	---	---	0	---	---	---	0
11/1	99	99	100	24	99	99	100	24	---	---	---	0	---	---	---	0	---	---	---	0
11/2	99	99	99	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
11/3	99	100	100	24	99	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	The Dalles Dnst			Bonneville			Warrendale			CamasWashougal			Cascade Island							
	24 h	12 h	#	24 h	12 h	#	24h	12h	#	24h	12h	#	24h	12h	#					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr				
10/21	---	---	---	0	99	99	99	23	101	101	102	23	---	---	---	0	---	---	---	0
10/22	---	---	---	0	99	99	100	23	101	101	101	23	---	---	---	0	---	---	---	0
10/23	---	---	---	0	99	99	100	23	101	101	102	23	---	---	---	0	---	---	---	0
10/24	---	---	---	0	99	100	100	23	101	101	102	23	---	---	---	0	---	---	---	0
10/25	---	---	---	0	100	100	100	23	101	101	102	23	---	---	---	0	---	---	---	0
10/26	---	---	---	0	99	99	100	23	101	101	101	23	---	---	---	0	---	---	---	0
10/27	---	---	---	0	99	100	100	23	101	101	101	23	---	---	---	0	---	---	---	0
10/28	---	---	---	0	99	99	100	23	100	101	101	23	---	---	---	0	---	---	---	0
10/29	---	---	---	0	98	98	98	24	100	100	101	24	---	---	---	0	---	---	---	0
10/30	---	---	---	0	98	98	98	24	100	101	101	24	---	---	---	0	---	---	---	0
10/31	---	---	---	0	98	98	99	24	100	100	101	24	---	---	---	0	---	---	---	0
11/1	---	---	---	0	99	99	100	24	101	101	101	24	---	---	---	0	---	---	---	0
11/2	---	---	---	0	99	99	100	24	100	101	101	24	---	---	---	0	---	---	---	0
11/3	---	---	---	0	99	100	100	24	100	101	101	24	---	---	---	0	---	---	---	0

## HATCHERY RELEASE LAST TWO WEEKS

### Hatchery Release Summary

From: 10/21/2005 to 11/03/05

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
ODFW	Lookingglass Hatchery	CH1	SP	2006	73,731	09-12-05	11-30-05	Lookingglass Hatchery	Grande Ronde River
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>73,731</b>				
USFWS	Warm Springs NFH	CH1	SP	2006	50,000	10-10-05	11-16-05	Warm Springs Hatchery	Deschutes River
<b>U.S. Fish and Wildlife Service Total</b>					<b>50,000</b>				
WDFW	Eastbank Hatchery	SO	UN	2006	91,800	10-17-05	10-31-05	Lake Wenatchee	Wenatchee River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>91,800</b>				
<b>Grand Total</b>					<b>215,531</b>				

## HATCHERY RELEASE NEXT TWO WEEKS

### Hatchery Release Summary

From: 11/4/2005 to 11/17/2005

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
ODFW	Lookingglass Hatchery	CH1	SP	2006	73,731	09-12-05	11-30-05	Lookingglass Hatchery	Grande Ronde River
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>73,731</b>				
USFWS	Warm Springs NFH	CH1	SP	2006	50,000	10-10-05	11-16-05	Warm Springs Hatchery	Deschutes River
<b>U.S. Fish and Wildlife Service Total</b>					<b>50,000</b>				
<b>Grand Total</b>					<b>123,731</b>				



## Two-Week Summary of Passage Indices

\* One or more of the sites on this date had an incomplete or biased sample.

See Sampling Comments: <http://www.fpc.org/currentDaily/smpcomments.htm>

For clip information see: <http://www.fpc.org/CurrentDaily/catch.htm>

For sockeye and yearling chinook (Snake only) race information see: <http://www.fpc.org/smoltqueries/currentsmppsubmitdata.asp>

Date	COMBINED YEARLING CHINOOK										
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/21/2005	---	---	---	---	58	1	---	---	---	---	0
10/22/2005	---	---	---	---	62	0	---	---	---	---	0
10/23/2005	---	---	---	---	64	1	---	---	---	---	0
10/24/2005	---	---	---	---	68	14	---	---	---	---	0
10/25/2005	---	---	---	---	72	5	---	---	---	---	0
10/26/2005	---	---	---	---	100	1	---	---	---	---	0
10/27/2005	---	---	---	---	171	0	---	---	---	---	0
10/28/2005	---	---	---	---	67	0	---	---	---	---	0
10/29/2005	---	---	---	---	156	2	---	---	---	---	0
10/30/2005	---	---	---	---	161	7	---	---	---	---	0
10/31/2005	---	---	---	---	267	7	---	---	---	---	0
<hr/>											
<b>Total:</b>	0	0	0	0	1,246	38	0	0	0	0	0
<b># Days:</b>	0	0	0	0	11	11	0	0	0	0	11
<b>Average:</b>	0	0	0	0	113	3	0	0	0	0	0
<b>YTD</b>	43,641	42,830	5,792	1,810	5,676,994	2,475,851	706,772	14,579	1,219,870	1,409,478	1,527,240

Date	COMBINED SUBYEARLING CHINOOK										
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/21/2005	---	---	---	---	212	39	---	---	---	---	27
10/22/2005	---	---	---	---	195	79	---	---	---	---	32
10/23/2005	---	---	---	---	175	53	---	---	---	---	0
10/24/2005	---	---	---	---	267	31	---	---	---	---	13
10/25/2005	---	---	---	---	258	103	---	---	---	---	39
10/26/2005	---	---	---	---	251	18	---	---	---	---	19
10/27/2005	---	---	---	---	354	23	---	---	---	---	58
10/28/2005	---	---	---	---	308	74	---	---	---	---	57
10/29/2005	---	---	---	---	333	159	---	---	---	---	42
10/30/2005	---	---	---	---	245	111	---	---	---	---	42
10/31/2005	---	---	---	---	274	278	---	---	---	---	54
<hr/>											
<b>Total:</b>	0	0	0	0	2,872	968	0	0	0	0	383
<b># Days:</b>	0	0	0	0	11	11	0	0	0	0	11
<b>Average:</b>	0	0	0	0	261	88	0	0	0	0	35
<b>YTD</b>	0	86	1,224	1,152	1,755,889	1,287,932	207,820	22,160	6,841,665	2,300,846	3,821,737

## Two-Week Summary of Passage Indices

	COMBINED COHO										
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/21/2005	---	---	---	---	0	0	---	---	---	---	0
10/22/2005	---	---	---	---	0	0	---	---	---	---	0
10/23/2005	---	---	---	---	0	0	---	---	---	---	5
10/24/2005	---	---	---	---	0	0	---	---	---	---	0
10/25/2005	---	---	---	---	0	0	---	---	---	---	0
10/26/2005	---	---	---	---	0	0	---	---	---	---	0
10/27/2005	---	---	---	---	1	0	---	---	---	---	0
10/28/2005	---	---	---	---	0	0	---	---	---	---	0
10/29/2005	---	---	---	---	0	0	---	---	---	---	0
10/30/2005	---	---	---	---	0	0	---	---	---	---	0
10/31/2005	---	---	---	---	0	0	---	---	---	---	0
<hr/>											
<b>Total:</b>	0	0	0	0	1	0	0	0	0	0	5
<b># Days:</b>	0	0	0	0	11	11	0	0	0	0	11
<b>Average:</b>	0	0	0	0	0	0	0	0	0	0	0
<b>YTD</b>	0	0	0	110	305,074	191,699	24,371	35,644	102,587	192,563	771,269

	COMBINED STEELHEAD										
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/21/2005	---	---	---	---	0	0	---	---	---	---	0
10/22/2005	---	---	---	---	1	0	---	---	---	---	0
10/23/2005	---	---	---	---	0	0	---	---	---	---	0
10/24/2005	---	---	---	---	0	0	---	---	---	---	0
10/25/2005	---	---	---	---	0	0	---	---	---	---	0
10/26/2005	---	---	---	---	0	0	---	---	---	---	0
10/27/2005	---	---	---	---	0	0	---	---	---	---	0
10/28/2005	---	---	---	---	0	0	---	---	---	---	0
10/29/2005	---	---	---	---	0	0	---	---	---	---	0
10/30/2005	---	---	---	---	0	0	---	---	---	---	0
10/31/2005	---	---	---	---	0	0	---	---	---	---	0
<hr/>											
<b>Total:</b>	0	0	0	0	1	0	0	0	0	0	0
<b># Days:</b>	0	0	0	0	11	11	0	0	0	0	11
<b>Average:</b>	0	0	0	0	0	0	0	0	0	0	0
<b>YTD</b>	3,754	35,536	2,454	7,263	5,935,715	2,921,864	675,548	15,661	196,098	526,637	186,565

## Two-Week Summary of Passage Indices

Date	COMBINED SOCKEYE										
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/21/2005	---	---	---	---	0	0	---	---	---	---	0
10/22/2005	---	---	---	---	0	0	---	---	---	---	0
10/23/2005	---	---	---	---	0	0	---	---	---	---	0
10/24/2005	---	---	---	---	0	0	---	---	---	---	0
10/25/2005	---	---	---	---	1	0	---	---	---	---	0
10/26/2005	---	---	---	---	0	0	---	---	---	---	0
10/27/2005	---	---	---	---	2	0	---	---	---	---	0
10/28/2005	---	---	---	---	0	0	---	---	---	---	0
10/29/2005	---	---	---	---	0	0	---	---	---	---	0
10/30/2005	---	---	---	---	2	0	---	---	---	---	0
10/31/2005	---	---	---	---	4	0	---	---	---	---	0
<b>Total:</b>	0	0	0	0	9	0	0	0	0	0	0
<b># Days:</b>	0	0	0	0	11	11	0	0	0	0	11
<b>Average:</b>	0	0	0	0	1	0	0	0	0	0	0
<b>YTD</b>	115	0	0	263	38,480	41,365	8,218	1,964	103,814	84,483	41,903

\* See sampling comments <http://www.fpc.org/currentDaily/smpcomments.htm>

Smolt indices, clipped & unclipped or combined, are presented in the following order: yearling chinook (chinook 1's,) subyearling chinook (chinook 0's), steelhead, coho, and sockeye. Two classes of fish counts are shown in these tables: collection counts, which account for sample rates but are not adjusted for flow; and passage indices, which are collection counts divided by the proportion of water passing through the sampled powerhouse. Passage indices are not population estimates, but are used to adjust collection counts for daily fluctuations in the site's or project's operations. The classes of counts presented in the report are defined below for each site. Most samples occur over a 24-hr period that spans two calendar days. In this report, the date shown corresponds with the sample end date.

### Definitions for Smolt Index Counts

WTB (Collection) = Salmon River Trap at Whitebird : Collection Counts

IMN (Collection) = Imnaha River Trap : Collection Counts

GRN (Collection) = Grande Ronde River Trap : Collection Counts

LEW (Collection) = Snake River Trap at Lewiston : Collection Counts

LGR (Index) = Lower Granite Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

JDA and BO2 data collected for the FPC by Pacific States Marine Fisheries Commission.

RIS data collected for the FPC by Chelan Co. PUD/Washington Dept. of Fish and Wildlife.

LGR, LMN, and MCN data collected for the FPC by Washington Dept. of Fish and Wildlife.

LGS and GRN data collected for the FPC by Oregon Dept. of Fish and Wildlife.

IMN data collected for the FPC by the Nez Perce Tribe.

### Two Week Transportation Summary

Source: Fish Passage Center

Updated:

11/4/05 7:59 AM

10/22/05 TO 11/04/05

		Species						
Site	Data	CH0	CH1	CO	SO	ST	Grand Total	
<b>LGR</b>	Sum of NumberCollected	2,871	1,246		1	9	1	4,128
	Sum of NumberBarged	0	0		0	0	0	0
	Sum of NumberBypassed	0	0		0	0	0	0
	Sum of Numbertrucked	3,155	1,254		1	10	2	4,422
	Sum of SampleMorts	30	25		0	0	0	55
	Sum of FacilityMorts	0	0		0	0	0	0
	Sum of ResearchMorts	0	0		0	0	0	0
	Sum of TotalProjectMorts	30	25		0	0	0	55
<b>LGS</b>	Sum of NumberCollected	968	38					1,006
	Sum of NumberBarged	0	0					0
	Sum of NumberBypassed	3	0					3
	Sum of Numbertrucked	1,031	40					1,071
	Sum of SampleMorts	2	0					2
	Sum of FacilityMorts	1	0					1
	Sum of ResearchMorts	0	0					0
	Sum of TotalProjectMorts	3	0					3
<b>Total Sum of NumberCollected</b>		<b>3,839</b>	<b>1,284</b>		<b>1</b>	<b>9</b>	<b>1</b>	<b>5,134</b>
<b>Total Sum of NumberBarged</b>		<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Sum of NumberBypassed</b>		<b>3</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Total Sum of Numbertrucked</b>		<b>4,186</b>	<b>1,294</b>		<b>1</b>	<b>10</b>	<b>2</b>	<b>5,493</b>
<b>Total Sum of SampleMorts</b>		<b>32</b>	<b>25</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>57</b>
<b>Total Sum of FacilityMorts</b>		<b>1</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Total Sum of ResearchMorts</b>		<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Sum of TotalProjectMorts</b>		<b>33</b>	<b>25</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>

### YTD Transportation Summary

Source: Fish Passage Center

Updated:

11/4/05 7:59 AM

TO: 11/04/05

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	1,581,984	5,540,519	286,020	31,656	5,590,788	13,030,967
	Sum of NumberBarged	1,546,245	5,174,600	255,307	30,286	5,026,185	12,032,623
	Sum of NumberBypassed	13,142	339,739	28,619	490	516,245	898,235
	Sum of NumberTrucked	9,980	11,986	884	522	43,024	66,396
	Sum of SampleMorts	525	485	16	16	72	1,114
	Sum of FacilityMorts	11,999	13,606	1,194	342	5,260	32,401
	Sum of ResearchMorts	93	103	0	0	2	198
	Sum of TotalProjectMorts	12,617	14,194	1,210	358	5,334	33,713
<b>LGS</b>	Sum of NumberCollected	1,197,778	2,451,059	185,963	38,769	2,857,097	6,730,666
	Sum of NumberBarged	1,137,574	2,015,591	151,236	37,734	2,276,772	5,618,907
	Sum of NumberBypassed	50,488	428,573	34,636	939	571,467	1,086,103
	Sum of NumberTrucked	6,287	280	6	30	388	6,991
	Sum of SampleMorts	255	128	12	6	74	475
	Sum of FacilityMorts	3,173	6,467	74	60	8,396	18,170
	Sum of ResearchMorts	0	20	0	0	0	20
	Sum of TotalProjectMorts	3,428	6,615	86	66	8,470	18,665
<b>LMN</b>	Sum of NumberCollected	177,812	670,864	21,563	7,346	614,133	1,491,718
	Sum of NumberBarged	168,777	512,012	17,036	7,156	456,619	1,161,600
	Sum of NumberBypassed	7,510	145,571	4,521	99	154,901	312,602
	Sum of NumberTrucked	1,064	12,717	4	62	2,259	16,106
	Sum of SampleMorts	145	40	0	3	26	214
	Sum of FacilityMorts	316	524	2	26	328	1,196
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	461	564	2	29	354	1,410
<b>MCN</b>	Sum of NumberCollected	4,169,116	718,260	60,522	60,174	119,228	5,127,300
	Sum of NumberBarged	2,877,055	17,125	931	1,075	5,462	2,901,648
	Sum of NumberBypassed	1,240,750	698,213	59,402	58,689	113,376	2,170,430
	Sum of NumberTrucked	25,934	0	2	28	4	25,968
	Sum of SampleMorts	801	117	8	18	8	952
	Sum of FacilityMorts	24,442	2,729	173	352	375	28,071
	Sum of ResearchMorts	134	76	6	12	3	231
	Sum of TotalProjectMorts	25,377	2,922	187	382	386	29,254
Total Sum of NumberCollected		7,126,690	9,380,702	554,068	137,945	9,181,246	26,380,651
Total Sum of NumberBarged		5,729,651	7,719,328	424,510	76,251	7,765,038	21,714,778
Total Sum of NumberBypassed		1,311,890	1,612,096	127,178	60,217	1,355,989	4,467,370
Total Sum of NumberTrucked		43,265	24,983	896	642	45,675	115,461
Total Sum of SampleMorts		1,726	770	36	43	180	2,755
Total Sum of FacilityMorts		39,930	23,326	1,443	780	14,359	79,838
Total Sum of ResearchMorts		227	199	6	12	5	449
Total Sum of TotalProjectMorts		41,883	24,295	1,485	835	14,544	83,042

**Cumulative Adult Passage at Mainstem Dams Through: 11/03**

DAM	End Date	Spring Chinook						Summer Chinook						Fall Chinook					
		2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	10/31	74,038	4,288	170,152	8,885	145,297	8,221	78,373	4,467	92,143	12,889	54,750	7,484	414,193	20,955	581,710	38,425	327,060	39,406
TDA	10/31	60,956	3,209	130,240	7,717	99,119	5,946	69,436	3,481	79,495	8,430	47,296	5,446	233,166	18,184	302,032	32,506	171,815	28,609
JDA	10/31	55,877	2,715	112,153	6,367	82,666	4,703	63,589	5,358	72,518	10,542	44,153	5,186	179,443	14,742	213,936	30,787	124,882	24,021
MCN	10/31	51,855	3,201	107,497	7,682	76,092	4,941	63,780	3,081	65,457	8,760	43,906	5,144	134,037	13,214	169,348	24,202	101,912	20,745
IHR	10/31	28,039	1,267	77,106	4,646	51,680	3,159	8,837	983	13,173	3,012	10,235	1,807	14,716	4,502	21,109	11,167	9,704	5,953
LMN	10/31	25,933	1,002	71,578	3,785	49,507	2,979	8,347	802	10,593	2,196	9,755	1,500	13,096	3,049	19,812	5,921	8,333	4,976
LGS	10/31	23,995	923	62,458	3,404	47,589	3,042	6,970	974	9,304	2,263	8,528	1,742	11,411	2,273	17,972	5,332	6,991	3,626
LGR	11/02	26,028	1,258	70,742	4,482	47,410	3,274	6,736	1,078	8,767	2,510	8,638	1,901	11,127	3,188	14,590	7,489	5,933	4,183
PRD	11/02	14,148	515	13,521	1,020	15,454	477	61,227	1,898	67,060	5,613	39,202	1,885	29,945	347	42,077	3,851	25,404	3,352
RIS	11/02	11,908	504	10,918	958	12,149	699	54,033	2,443	62,311	4,834	36,079	4,459	10,581	789	16,104	2,046	9,691	2,363
RRH	11/02	4,568	417	4,365	734	4,426	242	42,348	2,261	41,532	8,093	26,362	2,921	4,896	591	9,019	1,485	6,171	1,704
WEL	11/01	4,897	99	4,615	178	3,006	190	30,161	678	31,474	1,373	19,609	1,386	2,597	443	5,181	532	3,153	643
WFA	11/03	35,453	1,180	96,319	757	n/a	n/a	---	---	---	---	---	---	964	73	673	116	n/a	n/a

DAM	Coho						Sockeye			Steelhead			
	2005		2004		10-Yr Avg.		10-Yr Avg.		10-Yr Avg.			Wild 2005	
	Adult	Jack	Adult	Jack	Adult	Jack	2005	2004	Avg.	2005	2004	Avg.	
BON	82,615	5,482	114,447	4,780	80,461	5,297	72,448	123,286	53,716	312,037	310,150	310,802	88,460
TDA	32,429	2,181	38,661	1,903	21,002	1,861	65,018	107,466	44,480	239,559	238,242	235,353	71,173
JDA	30,877	3,315	32,627	2,128	17,201	1,731	69,078	113,497	48,145	222,958	227,199	236,664	64,257
MCN	18,499	1,199	19,004	1,128	8,809	777	63,542	89,707	41,398	213,692	201,071	179,870	55,991
IHR	1,606	26	3,473	46	720	22	19	91	24	151,422	168,897	137,451	34,529
LMN	2,116	26	3,441	165	573	40	17	80	28	154,254	149,429	131,048	37,208
LGS	1,913	80	2,898	131	442	9	14	81	32	143,408	142,092	120,273	31,156
LGR	2,003	101	3,723	101	649	26	17	113	32	148,747	148,457	124,011	34,503
PRD	742	82	4,740	788	1,955	226	74,560	124,943	52,082	12,378	18,678	12,750	n/a
RIS	6,236	0	5,792	0	2,330	0	71,226	106,666	47,463	12,339	19,493	12,027	6,398
RRH	1,160	0	754	0	354	0	55,570	81,338	32,418	9,636	14,393	9,168	4,183
WEL	300	0	251	0	80	0	53,218	78,053	31,671	7,026	9,207	6,671	2,652
WFA	1,262	271	2,802	520	n/a	n/a	0	0	n/a	19,506	44,591	n/a	n/a

PRD is missing 8/10 to 8/14, 8/23, 09/09.

BON and LGR have switched to video counts so the data is delayed.

\*PRD is not posting wild steelhead numbers. On July 2 a shad was seen at RRH.

These numbers were collected from USACE, Grant PUD, Douglas PUD, Chelan PUD, ODFW and DART.

Wild steelhead numbers are included in the total. Wild Steelhead are defined as unclipped fish.

Historic counts (pre-1996) were obtained from CRITFC and compiled by the FPC.

Historic counts 1997 to present were obtained from the Corps of Engineers.

Page last updated on: 11/07/05

BON counts from January 1, 2005 to March 14, 2005 (our traditional counts begin March 15):

Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
15	0	256	-74

Run Year counts (June 1, 2005 to May 31, 2006) for Lower Granite:

Steelhead
143,884