



# Fish Passage Center Weekly Report #07 - 32

November 2, 2007

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**This is the final weekly report for the 2007 season.**

**Summary of Events:**

Precipitation throughout the Columbia Basin varied between 107% and 232% of average at individual sub-basins over the first twenty-two days of Water Year 2008 (began October 1, 2007). Over the beginning of the new water year, precipitation above The Dalles has been 185% of average. Over the entire 2007 Water Year, precipitation varied between 73% and 101% of average at individual sub-basins.

**Table 1. Summary of early WY 2008 precipitation and total WY 2007 precipitation with respect to average (1971-2000), at select locations within the Columbia and Snake River Basins.**

Location	Water Year 2008 October 1-22		Water Year 2007 October 1, 2006 to September, 2007	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	2.25	172	25.13	98
Snake River Above Ice Harbor	1.93	227	14.13	79
Columbia Above The Dalles	2.18	185	22.06	94
Kootenai	2.44	186	26.09	99
Clark Fork	1.53	183	17.3	97
Flathead	1.85	155	21.3	90
Pend Oreille/Spokane	2.60	171	26.53	85
Central Washington	0.46	107	8.04	88
Snake River Plain	1.65	271	8.44	73
Salmon/Boise/Payette	2.04	232	15.93	79
Clearwater	2.36	153	27.35	88
SW Washington Cascades/Cowlitz	5.81	148	68.47	96
Willamette Valley	5.56	183	60.28	101

Grand Coulee held steady last week, ending November 1st at 1286.7 feet. Outflows at Grand Coulee ranged between 37.5 and 78.2 Kcfs last week.

Dworshak is currently at an elevation of 1517.0 feet (11-1-07) and drafted 0.4 feet last week. Outflows at Dworshak are currently 1.5 Kcfs.

The Libby Reservoir is currently at elevation 2435.0 feet (11-1-07) and held steady last week. Outflows at Libby have been 4.5 Kcfs.

Hungry Horse is currently at an elevation of 3532.6 feet (11-1-07) and drafted 0.4 feet last week. Outflows at Hungry Horse have been 1.3-1.6 Kcfs last week.

The Brownlee Reservoir was at an elevation of 2056.4 feet on November 1st, 2007, refilling 2.6 feet last week. Outflows at Brownlee Dam have been 6.7 to 10.6 Kcfs over the last week.

**Smolt Monitoring:** Monitoring ended October 31 at the final three SMP sites Little Goose and Lower Granite, and Bonneville dams. In the past two weeks indices rose above 1,500 at Lower Granite Dam on October 24. Most of the PIT-tag detections (45 of 54 subyearling fall chinook) were Clearwater wild fish; with the remainder Clearwater hatchery subyearlings. Indices at Little Goose Dam never rose as was seen at Lower Granite, indicating either fish were all collected and transported because of no spill, or that in-river migrants are moving much more slowly at this time of year.

Indices of subyearling Chinook at Bonneville Dam, edged higher over the past two weeks, averaging 56 per day compared to about 44 per day over the previous two weeks.

### **Hatchery Release:**

**Snake River Zone:** The Snake River Zone encompasses the Snake River and its tributaries from its confluence with the Columbia River to Hells Canyon Dam. . There were no scheduled releases of juvenile salmonids into this zone this week.

**Mid-Columbia Zone:** The Mid-Columbia Zone encompasses the area of the Columbia River and its tributaries from McNary Dam to Chief Joseph Dam. Approximately 200,000 sockeye juveniles were scheduled for release into Lake Wenatchee in early November. These sockeye juveniles are not expected to out-migrate until spring 2008.

**Lower Columbia Zone:** The Lower Columbia Zone is defined as the Columbia River and its tributaries from Bonneville Dam to McNary Dam. There were no releases scheduled for the Lower Columbia River Zone this week.

There are no other scheduled releases of juvenile salmonids to any of the three river zones over the next two weeks. Furthermore, there are no scheduled releases of juvenile salmonids to the Columbia River Basin, above Bonneville Dam, for the rest of this year.

### **Adult Fish Passage:**

As of October 31st, 157,159 fall Chinook adults and 51,845 jacks have passed Bonneville Dam. This season, the 2007 Bonneville adult fall Chinook count is about 53.2 percent of the 2006 count and is about 43.5 percent of the 10-year average. The 2007 Bonneville jack fall Chinook count is about 2.04 times greater than the 2006 count and about 1.37 times greater than the 10-year average. Daily counts for adult fall Chinook at The Dalles Dam ranged from 66 to 160 at The Dalles Dam as of October 31st, with a total count of 93,567. Daily fall Chinook counts at Rock Island Dam ranged between 5 and 13 with a total of 3,718 for the season. In the upper Columbia, the 2007 Rock Island adult fall Chinook is about 65.2 percent of the 2006 count and about 36.7 percent of the 10-year average. In the Snake River at Ice Harbor Dam, the 2007 adult fall Chinook count of 13,408 is about 1.30 times greater than the 2006

count and 1.16 times greater than the 10-year average. In addition, the 2007 fall Chinook jack count at Ice Harbor Dam of 9,743 is about 1.42 times greater than the 2006 count and about 1.44 times greater than the 10-year average. At Lower Granite Dam, the 2007 adult fall Chinook count of 10,050 is about 1.26 times greater than the 2006 count and about 1.32 times greater than the 10-year average.

The 2007 steelhead count at Bonneville Dam was 318,653 as of October 31st. This season, the 2007 Bonneville steelhead count is about 96.7 percent of the 2006 count and is about 95.3 percent of the 10-year average. The daily steelhead counts at The Dalles Dam ranged between 129 and 293 for the week with the cumulative count of 241,898. About 75.9 percent of the steelhead counted at Bonneville has passed The Dalles Dam. The majority of the 207,043 steelhead counted at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor now at 153,619 for the season. The 2007 Ice Harbor steelhead count is about 1.24 times greater than the 2006 count and 1.05 times greater than the 10-year average. The cumulative count at Priest Rapids Dam, in the upper Columbia, was 14,863 for the season as of October 30th. The 2007 steelhead count at Priest Rapids is about 1.43 times greater than the 2006 count and 1.08 times greater than the 10-year average. At Rock Island Dam, the 2007 adult steelhead count of 13,121 is about 1.41 times greater than the 2006 count and had 79 more adult steelhead than the 10-year average.

The daily counts of adult coho salmon at Bonneville Dam ranged between 4 and 21 salmon with a total of 85,891 adults and 3,748 jacks to date. To date, the 2007 Bonneville coho count is about 87.6 percent of the 2006 count and 89.5 percent of the 10-year average. At McNary Dam, the 2007 coho count of 20,217 is about 1.66 times greater than the 2006 count and 1.73 times greater than the 10-year average. The 2007 coho jack count at McNary Dam of 2,370 is about 2.06 times greater than the 2006 count and about 2.49 times greater than the 10-year average. At Priest Rapids

Dam the 2007 coho count of 10,326 is about 3.40 times greater than the 2006 count and 4.70 times greater than the 10-year average. In the Snake River at Ice Harbor Dam, the 2007 coho count of 1,994 is about 2.22 times greater than the 2006 count and about 2.04 times greater than the 10-year average.

### Hatchery Release Last Two Weeks

#### Hatchery Release Summary

From: 10/19/2007 to 11/01/07

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	SO	UN	2008	100,000	11-01-07	11-16-07	Lake Wenatchee	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	SO	UN	2008	100,000	11-01-07	11-16-07	Lake Wenatchee	Wenatchee River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>200,000</b>				
<b>Grand Total</b>					<b>200,000</b>				

### Hatchery Release Next Two Weeks

#### Hatchery Release Summary

From: 11/2/2007 to 11/15/2007

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	SO	UN	2008	100,000	11-01-07	11-16-07	Lake Wenatchee	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	SO	UN	2008	100,000	11-01-07	11-16-07	Lake Wenatchee	Wenatchee River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>200,000</b>				
<b>Grand Total</b>					<b>200,000</b>				

**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
10/19/2007	68.8	0.0	64.1	0.0	66.3	0.0	64.9	0.0	66.2	0.0	72.2	1.3	65.0	0.8
10/20/2007	37.7	0.0	43.5	0.0	52.2	0.0	53.6	0.0	55.1	0.0	57.2	1.3	62.9	0.8
10/21/2007	37.1	0.0	36.5	0.0	38.9	0.0	43.6	0.0	45.7	0.0	59.0	1.2	52.8	0.8
10/22/2007	72.7	0.0	78.8	0.0	68.3	4.1	63.8	11.9	64.3	0.0	62.9	0.9	66.4	0.8
10/23/2007	62.0	0.0	60.0	0.0	61.5	0.0	60.5	0.0	63.6	0.0	69.3	1.0	68.0	1.0
10/24/2007	63.1	0.0	65.5	0.0	65.0	0.1	64.2	0.9	65.9	0.0	67.2	1.0	67.8	0.7
10/25/2007	76.1	0.0	75.2	0.0	79.9	0.0	79.9	0.0	82.6	0.0	76.7	1.2	66.8	0.8
10/26/2007	78.2	0.0	74.9	0.0	77.1	0.0	74.6	0.0	78.8	0.0	68.9	1.7	63.2	1.0
10/27/2007	56.4	0.0	50.3	0.0	52.6	0.0	54.5	0.0	58.8	0.0	76.9	1.9	76.6	1.0
10/28/2007	37.5	0.0	46.9	0.0	45.0	0.0	45.0	0.0	47.9	0.0	61.7	1.4	59.2	0.7
10/29/2007	61.0	0.0	64.9	0.0	68.1	0.0	66.1	0.0	71.1	0.0	65.1	1.1	64.8	0.7
10/30/2007	70.7	0.0	70.5	0.0	72.9	0.0	73.6	0.0	75.2	0.0	75.4	1.2	65.7	0.9
10/31/2007	76.8	0.0	77.1	0.0	81.3	0.0	82.6	0.0	83.1	0.0	73.4	1.6	72.3	1.0
11/1/2007	72.2	0.0	70.2	0.0	68.8	0.0	69.8	0.0	69.4	0.0	71.7	1.7	71.1	1.0

**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
10/19/2007	1.5	0.0	11.7	8.7	13.9	2.7	13.6	0.0	13.1	0.0	12.7	0.0
10/20/2007	1.5	0.0	11.7	8.7	16.4	0.0	15.8	0.0	15.6	0.0	15.0	0.0
10/21/2007	1.5	0.0	13.8	8.6	21.7	0.0	19.6	0.0	20.9	0.0	20.0	0.0
10/22/2007	1.5	0.0	11.7	8.6	23.6	0.0	23.9	0.0	24.8	0.0	24.9	0.0
10/23/2007	1.5	0.0	12.1	8.6	21.1	0.0	21.6	0.0	24.4	0.0	25.4	0.0
10/24/2007	1.5	0.0	11.0	8.6	17.6	0.0	17.6	0.0	19.5	0.0	19.3	0.0
10/25/2007	1.5	0.0	11.3	8.6	19.3	0.0	19.7	0.0	21.4	0.0	20.7	0.0
10/26/2007	1.5	0.0	11.0	8.6	25.6	0.0	24.0	0.0	24.1	0.0	24.3	0.0
10/27/2007	1.5	0.0	11.4	8.6	17.1	0.0	16.6	0.0	16.7	0.0	15.5	0.0
10/28/2007	1.5	0.0	11.5	8.7	14.3	0.0	12.8	0.0	12.7	0.0	10.3	0.0
10/29/2007	1.5	0.0	12.1	8.7	17.5	0.0	18.8	0.0	20.3	0.0	22.2	0.0
10/30/2007	1.5	0.0	10.6	8.7	18.7	0.0	18.2	0.0	19.2	0.0	19.6	0.0
10/31/2007	1.5	0.0	10.7	8.6	18.1	0.0	17.3	0.0	16.8	2.7	15.1	0.0
11/1/2007	1.5	0.0	---	---	17.5	0.0	17.8	0.0	16.6	0.0	15.8	0.0

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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
10/19/2007	81.4	0.0	76.1	0.7	77.6	0.0	84.7	1.3	3.6	73.2
10/20/2007	78.4	0.0	80.7	0.7	82.8	0.0	87.7	1.3	4.3	75.5
10/21/2007	82.9	0.0	92.9	0.6	94.7	0.0	106.8	1.2	17.9	81.1
10/22/2007	87.4	0.0	84.0	0.7	87.8	0.0	103.5	1.2	15.7	80.0
10/23/2007	94.7	0.0	97.2	0.6	100.1	0.0	108.5	1.2	17.6	83.1
10/24/2007	98.1	0.0	92.1	0.7	93.6	0.0	103.0	1.2	9.2	86.0
10/25/2007	97.0	0.0	96.9	0.8	100.2	0.0	110.2	0.6	14.6	88.0
10/26/2007	84.5	0.0	91.4	0.8	94.6	0.0	99.5	0.6	9.8	82.5
10/27/2007	88.4	0.0	94.9	0.8	95.9	0.0	102.6	1.3	15.3	79.4
10/28/2007	88.1	0.0	66.9	0.0	69.2	0.0	85.5	1.3	0.0	77.6
10/29/2007	88.3	0.0	96.4	0.7	99.3	0.0	100.0	0.6	10.1	82.8
10/30/2007	90.7	0.0	90.0	0.8	91.5	0.4	90.7	0.7	3.0	80.4
10/31/2007	95.0	0.0	91.4	0.7	94.1	0.0	106.5	1.2	16.6	81.4
11/1/2007	89.3	0.0	92.5	0.0	94.8	0.0	100.5	1.1	3.1	89.8

## 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>				
10/19	---	---	---	0	103	103	106	24	101	101	101	24	100	100	102	24	100	101	101	24
10/20	---	---	---	0	101	102	103	24	99	100	100	24	98	98	99	24	98	99	99	24
10/21	---	---	---	0	100	101	101	24	98	98	98	24	97	97	97	24	96	97	97	24
10/22	---	---	---	0	100	101	102	24	98	98	98	24	97	97	97	24	96	96	97	24
10/23	---	---	---	0	101	102	103	24	98	99	105	24	96	97	97	24	96	96	97	15
10/24	---	---	---	0	102	102	103	24	99	99	100	24	97	97	98	24	---	---	---	0
10/25	---	---	---	0	101	101	102	24	98	98	99	24	96	96	96	15	---	---	---	0
10/26	---	---	---	0	100	100	101	24	97	98	98	24	95	95	96	5	---	---	---	0
10/27	---	---	---	0	100	101	101	24	98	98	98	24	96	96	97	13	---	---	---	0
10/28	---	---	---	0	101	101	102	24	98	98	99	24	96	96	97	24	---	---	---	0
10/29	---	---	---	0	101	102	103	24	99	99	99	24	97	97	99	24	---	---	---	0
10/30	---	---	---	0	101	101	102	24	98	98	99	24	96	97	98	24	---	---	---	0
10/31	---	---	---	0	100	101	102	24	98	98	98	24	97	98	98	24	---	---	---	0
11/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	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>				
10/19	101	102	102	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/20	100	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/21	98	98	100	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/22	97	97	98	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/23	98	98	99	16	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/29	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/31	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
11/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

### 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>				
10/19	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/20	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/21	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/22	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/29	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/31	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
11/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	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>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
10/19	---	---	---	0	---	---	---	0	102	102	102	24	---	---	---	0	---	---	---	0
10/20	---	---	---	0	---	---	---	0	101	101	102	24	---	---	---	0	---	---	---	0
10/21	---	---	---	0	---	---	---	0	100	101	101	24	---	---	---	0	---	---	---	0
10/22	---	---	---	0	---	---	---	0	100	100	100	24	---	---	---	0	---	---	---	0
10/23	---	---	---	0	---	---	---	0	100	101	101	24	---	---	---	0	---	---	---	0
10/24	---	---	---	0	---	---	---	0	101	101	102	24	---	---	---	0	---	---	---	0
10/25	---	---	---	0	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
10/26	---	---	---	0	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
10/27	---	---	---	0	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
10/28	---	---	---	0	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
10/29	---	---	---	0	---	---	---	0	100	101	102	24	---	---	---	0	---	---	---	0
10/30	---	---	---	0	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
10/31	---	---	---	0	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
11/1	---	---	---	0	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	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>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
10/19	---	---	---	0	---	---	---	0	107	114	121	24	---	---	---	0	96	97	97	24
10/20	---	---	---	0	---	---	---	0	98	98	100	24	---	---	---	0	96	96	96	22
10/21	---	---	---	0	---	---	---	0	95	96	96	22	---	---	---	0	97	97	101	24
10/22	---	---	---	0	---	---	---	0	96	96	97	20	---	---	---	0	95	95	95	24
10/23	---	---	---	0	---	---	---	0	96	97	98	24	---	---	---	0	95	96	96	24
10/24	---	---	---	0	---	---	---	0	98	98	99	24	---	---	---	0	96	96	97	24
10/25	---	---	---	0	---	---	---	0	96	97	97	24	---	---	---	0	96	96	99	24
10/26	---	---	---	0	---	---	---	0	96	96	97	24	---	---	---	0	95	95	96	24
10/27	---	---	---	0	---	---	---	0	96	97	97	24	---	---	---	0	95	95	95	24
10/28	---	---	---	0	---	---	---	0	97	97	98	24	---	---	---	0	95	95	95	24
10/29	---	---	---	0	---	---	---	0	97	98	98	24	---	---	---	0	96	96	96	24
10/30	---	---	---	0	---	---	---	0	98	98	100	24	---	---	---	0	95	95	95	24
10/31	---	---	---	0	---	---	---	0	97	97	98	24	---	---	---	0	95	95	96	24
11/1	---	---	---	0	---	---	---	0	97	98	98	24	---	---	---	0	95	95	97	24

**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>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
10/19	---	---	---	0	98	98	99	24	---	---	---	0	99	99	100	24	---	---	---	0
10/20	---	---	---	0	97	98	99	24	---	---	---	0	98	99	99	24	---	---	---	0
10/21	---	---	---	0	95	96	97	24	---	---	---	0	96	97	98	24	---	---	---	0
10/22	---	---	---	0	96	96	97	23	---	---	---	0	96	97	98	24	---	---	---	0
10/23	---	---	---	0	96	96	97	24	---	---	---	0	97	97	98	24	---	---	---	0
10/24	---	---	---	0	97	97	98	24	---	---	---	0	98	98	99	24	---	---	---	0
10/25	---	---	---	0	96	96	97	24	---	---	---	0	97	97	98	24	---	---	---	0
10/26	---	---	---	0	95	96	96	24	---	---	---	0	97	97	98	24	---	---	---	0
10/27	---	---	---	0	96	96	97	24	---	---	---	0	97	98	99	24	---	---	---	0
10/28	---	---	---	0	96	97	98	24	---	---	---	0	97	98	99	24	---	---	---	0
10/29	---	---	---	0	97	98	108	24	---	---	---	0	97	98	99	24	---	---	---	0
10/30	---	---	---	0	96	96	99	23	---	---	---	0	97	97	98	24	---	---	---	0
10/31	---	---	---	0	100	105	113	22	---	---	---	0	97	97	98	24	---	---	---	0
11/1	---	---	---	0	96	96	97	24	---	---	---	0	97	97	98	24	---	---	---	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 River Sites

Date	<u>McNary-Wash</u>			#	<u>McNary Tlwr</u>			#	<u>John Day</u>			#	<u>John Day Tlwr</u>			#	<u>The Dalles</u>			#
	<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24h</u>	<u>12h</u>			<u>24h</u>	<u>12h</u>			<u>24h</u>	<u>12h</u>		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	AVG	High	
10/19	---	---	---	0	100	100	101	24	---	---	---	0	99	99	99	24	---	---	---	0
10/20	---	---	---	0	100	100	100	24	---	---	---	0	98	98	98	24	---	---	---	0
10/21	---	---	---	0	98	98	98	24	---	---	---	0	97	97	97	24	---	---	---	0
10/22	---	---	---	0	98	98	99	24	---	---	---	0	98	98	99	24	---	---	---	0
10/23	---	---	---	0	99	99	100	24	---	---	---	0	99	100	100	24	---	---	---	0
10/24	---	---	---	0	100	100	101	24	---	---	---	0	100	100	101	24	---	---	---	0
10/25	---	---	---	0	99	99	100	24	---	---	---	0	98	99	99	24	---	---	---	0
10/26	---	---	---	0	99	99	100	23	---	---	---	0	97	98	98	24	---	---	---	0
10/27	---	---	---	0	99	99	100	16	---	---	---	0	98	98	99	24	---	---	---	0
10/28	---	---	---	0	99	99	100	12	---	---	---	0	99	100	101	24	---	---	---	0
10/29	---	---	---	0	99	100	100	24	---	---	---	0	99	99	99	24	---	---	---	0
10/30	---	---	---	0	99	99	99	24	---	---	---	0	98	98	98	24	---	---	---	0
10/31	---	---	---	0	99	99	100	24	---	---	---	0	97	98	98	24	---	---	---	0
11/1	---	---	---	0	99	99	99	24	---	---	---	0	98	98	98	24	---	---	---	0

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>			#	<u>Bonneville</u>			#	<u>Warrendale</u>			#	<u>CamasWashougal</u>			#	<u>Cascade Island</u>			#
	<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24h</u>	<u>12h</u>			<u>24h</u>	<u>12h</u>			<u>24h</u>	<u>12h</u>		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
10/19	101	101	102	24	---	---	---	0	101	101	102	24	---	---	---	0	---	---	---	0
10/20	100	101	101	24	---	---	---	0	101	101	101	24	---	---	---	0	---	---	---	0
10/21	99	99	99	24	---	---	---	0	100	101	101	24	---	---	---	0	---	---	---	0
10/22	99	99	100	24	---	---	---	0	100	101	102	24	---	---	---	0	---	---	---	0
10/23	100	100	100	24	---	---	---	0	101	102	103	24	---	---	---	0	---	---	---	0
10/24	100	100	101	24	---	---	---	0	101	102	102	24	---	---	---	0	---	---	---	0
10/25	99	100	100	24	---	---	---	0	100	101	101	24	---	---	---	0	---	---	---	0
10/26	99	99	100	24	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
10/27	99	99	100	24	---	---	---	0	100	101	102	24	---	---	---	0	---	---	---	0
10/28	100	100	101	24	---	---	---	0	100	101	102	24	---	---	---	0	---	---	---	0
10/29	100	100	100	24	---	---	---	0	101	101	102	24	---	---	---	0	---	---	---	0
10/30	100	100	100	24	---	---	---	0	101	101	101	24	---	---	---	0	---	---	---	0
10/31	100	100	100	24	---	---	---	0	100	101	101	24	---	---	---	0	---	---	---	0
11/1	100	100	100	24	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0

## 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>

<b>COMBINED YEARLING CHINOOK</b>											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/18/2007	---	---	---	---	4	0	---	---	---	---	0
10/19/2007	---	---	---	---	4	0	---	---	---	---	0
10/20/2007	---	---	---	---	4	0	---	---	---	---	0
10/21/2007	---	---	---	---	11	0	---	---	---	---	0
10/22/2007	---	---	---	---	10	0	---	---	---	---	0
10/23/2007	---	---	---	---	6	0	---	---	---	---	0
10/24/2007	---	---	---	---	11	0	---	---	---	---	0
10/25/2007	---	---	---	---	5	0	---	---	---	---	0
10/26/2007	---	---	---	---	12	2	---	---	---	---	0
10/27/2007	---	---	---	---	4	0	---	---	---	---	0
10/28/2007	---	---	---	---	11	0	---	---	---	---	0
10/29/2007	---	---	---	---	6	1	---	---	---	---	0
10/30/2007	---	---	---	---	3	0	---	---	---	---	0
10/31/2007	---	---	---	---	11	2	---	---	---	---	0
11/01/2007	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	0	0	0	0	102	5	0	0	0	0	0
<b># Days:</b>	0	0	0	0	14	14	0	0	0	0	14
<b>Average:</b>	0	0	0	0	7	0	0	0	0	0	0
<b>YTD</b>	43,491	86,299	15,108	6,553	2,247,751	637,797	355,612	23,769	2,224,857	4,262,628	1,949,995

<b>COMBINED SUBYEARLING CHINOOK</b>											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/18/2007	---	---	---	---	110	49	---	---	---	---	5
10/19/2007	---	---	---	---	173	58	---	---	---	---	41
10/20/2007	---	---	---	---	254	44	---	---	---	---	69
10/21/2007	---	---	---	---	289	28	---	---	---	---	95
10/22/2007	---	---	---	---	1,165	26	---	---	---	---	90
10/23/2007	---	---	---	---	1,493	32	---	---	---	---	80
10/24/2007	---	---	---	---	1,599	10	---	---	---	---	97
10/25/2007	---	---	---	---	859	17	---	---	---	---	36
10/26/2007	---	---	---	---	807	11	---	---	---	---	86
10/27/2007	---	---	---	---	391	16	---	---	---	---	61
10/28/2007	---	---	---	---	378	42	---	---	---	---	57
10/29/2007	---	---	---	---	319	20	---	---	---	---	17
10/30/2007	---	---	---	---	355	23	---	---	---	---	9
10/31/2007	---	---	---	---	472	70	---	---	---	---	35
11/01/2007	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	0	0	0	0	8,664	446	0	0	0	0	778
<b># Days:</b>	0	0	0	0	14	14	0	0	0	0	14
<b>Average:</b>	0	0	0	0	619	32	0	0	0	0	56
<b>YTD</b>	0	83	90	255	338,790	438,167	78,577	15,746	4,723,357	3,006,181	4,072,828

## Two-Week Summary of Passage Indices

Date	COMBINED COHO										
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/18/2007	---	---	---	---	1	0	---	---	---	---	0
10/19/2007	---	---	---	---	0	0	---	---	---	---	6
10/20/2007	---	---	---	---	2	0	---	---	---	---	45
10/21/2007	---	---	---	---	3	0	---	---	---	---	63
10/22/2007	---	---	---	---	0	0	---	---	---	---	30
10/23/2007	---	---	---	---	1	0	---	---	---	---	0
10/24/2007	---	---	---	---	0	0	---	---	---	---	0
10/25/2007	---	---	---	---	1	0	---	---	---	---	9
10/26/2007	---	---	---	---	0	0	---	---	---	---	10
10/27/2007	---	---	---	---	0	0	---	---	---	---	0
10/28/2007	---	---	---	---	1	0	---	---	---	---	0
10/29/2007	---	---	---	---	0	0	---	---	---	---	0
10/30/2007	---	---	---	---	0	0	---	---	---	---	0
10/31/2007	---	---	---	---	0	0	---	---	---	---	0
11/01/2007	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	0	0	0	0	9	0	0	0	0	0	163
<b># Days:</b>	0	0	0	0	14	14	0	0	0	0	14
<b>Average:</b>	0	0	0	0	1	0	0	0	0	0	12
<b>YTD</b>	0	0	0	57	50,750	55,685	18,050	64,420	99,127	347,366	628,618

Date	COMBINED STEELHEAD										
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/18/2007	---	---	---	---	0	15	---	---	---	---	0
10/19/2007	---	---	---	---	0	8	---	---	---	---	0
10/20/2007	---	---	---	---	1	8	---	---	---	---	0
10/21/2007	---	---	---	---	0	4	---	---	---	---	0
10/22/2007	---	---	---	---	0	11	---	---	---	---	0
10/23/2007	---	---	---	---	0	6	---	---	---	---	0
10/24/2007	---	---	---	---	0	4	---	---	---	---	0
10/25/2007	---	---	---	---	1	3	---	---	---	---	0
10/26/2007	---	---	---	---	1	3	---	---	---	---	0
10/27/2007	---	---	---	---	1	3	---	---	---	---	0
10/28/2007	---	---	---	---	0	1	---	---	---	---	9
10/29/2007	---	---	---	---	0	2	---	---	---	---	0
10/30/2007	---	---	---	---	0	9	---	---	---	---	0
10/31/2007	---	---	---	---	1	9	---	---	---	---	0
11/01/2007	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	0	0	0	0	5	86	0	0	0	0	9
<b># Days:</b>	0	0	0	0	14	14	0	0	0	0	14
<b>Average:</b>	0	0	0	0	0	6	0	0	0	0	1
<b>YTD</b>	3,734	46,002	1,940	7,792	1,859,332	1,847,725	740,935	18,555	376,506	961,373	267,163

## Two-Week Summary of Passage Indices

COMBINED SOCKEYE											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/18/2007	---	---	---	---	0	0	---	---	---	---	0
10/19/2007	---	---	---	---	0	0	---	---	---	---	0
10/20/2007	---	---	---	---	1	0	---	---	---	---	0
10/21/2007	---	---	---	---	1	0	---	---	---	---	0
10/22/2007	---	---	---	---	1	0	---	---	---	---	0
10/23/2007	---	---	---	---	1	0	---	---	---	---	0
10/24/2007	---	---	---	---	0	0	---	---	---	---	0
10/25/2007	---	---	---	---	0	0	---	---	---	---	0
10/26/2007	---	---	---	---	1	0	---	---	---	---	0
10/27/2007	---	---	---	---	3	0	---	---	---	---	0
10/28/2007	---	---	---	---	2	0	---	---	---	---	0
10/29/2007	---	---	---	---	1	0	---	---	---	---	0
10/30/2007	---	---	---	---	0	0	---	---	---	---	0
10/31/2007	---	---	---	---	8	0	---	---	---	---	0
11/01/2007	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>413</b>	<b>20,701</b>	<b>17,115</b>	<b>5,737</b>	<b>16,427</b>	<b>513,737</b>	<b>790,330</b>	<b>171,317</b>

\* 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  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse 2 Flow} / (\text{Powerhouse 1 \& 2 Flow} + \text{Spill}) \}$
- MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse 2 Flow} / (\text{Powerhouse 1 \& 2 Flow} + \text{Spill}) \}$

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:

11/1/07 7:33 AM

		10/18/07	TO	11/01/07				
		Species						
Site	Data	CH0	CH1	CO	SO	ST	Grand Total	
<b>LGR</b>	Sum of NumberCollected	8,612	101	9	19	5	8,746	
	Sum of NumberBarged	0	0	0	0	0	0	
	Sum of NumberBypassed	3,386	0	0	0	0	3,386	
	Sum of Numbertrucked	5,115	100	9	19	4	5,247	
	Sum of SampleMorts	81	1	0	0	1	83	
	Sum of FacilityMorts	30	0	0	0	0	30	
	Sum of ResearchMorts	0	0	0	0	0	0	
	Sum of TotalProjectMorts	111	1	0	0	1	113	
<b>LGS</b>	Sum of NumberCollected	446	5			86	537	
	Sum of NumberBarged	0	0			0	0	
	Sum of NumberBypassed	0	0			0	0	
	Sum of Numbertrucked	444	5			85	534	
	Sum of SampleMorts	2	0			0	2	
	Sum of FacilityMorts	0	0			1	1	
	Sum of ResearchMorts	0	0			0	0	
	Sum of TotalProjectMorts	2	0			1	3	
Total Sum of NumberCollected		9,058	106	9	19	91	9,283	
Total Sum of NumberBarged		0	0	0	0	0	0	
Total Sum of NumberBypassed		3,386	0	0	0	0	3,386	
Total Sum of Numbertrucked		5,559	105	9	19	89	5,781	
Total Sum of SampleMorts		83	1	0	0	1	85	
Total Sum of FacilityMorts		30	0	0	0	1	31	
Total Sum of ResearchMorts		0	0	0	0	0	0	
Total Sum of TotalProjectMorts		113	1	0	0	2	116	

### YTD Transportation Summary

Source: Fish Passage Center

Updated:

11/1/07 7:33AM

TO: 11/01/07

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	201,239	1,578,374	38,308	15,939	1,367,798	3,201,658
	Sum of NumberBarged	146,580	1,125,053	36,824	15,540	1,185,551	2,509,548
	Sum of NumberBypassed	44,574	451,109	1,432	356	181,734	679,205
	Sum of NumberTrucked	7,074	261	32	19	14	7,400
	Sum of SampleMorts	399	63	1	2	37	502
	Sum of FacilityMorts	1,385	1,008	19	22	462	2,896
	Sum of ResearchMorts	1,227	880	0	0	0	2,107
	Sum of TotalProjectMorts	3,011	1,951	20	24	499	5,505
<b>LGS</b>	Sum of NumberCollected	304,831	451,027	39,911	12,002	1,304,931	2,112,702
	Sum of NumberBarged	297,602	398,141	39,430	11,553	1,197,581	1,944,307
	Sum of NumberBypassed	5,697	52,645	409	427	104,896	164,074
	Sum of NumberTrucked	977	7	46	2	1,626	2,658
	Sum of SampleMorts	112	31	20	4	72	239
	Sum of FacilityMorts	254	198	6	16	756	1,230
	Sum of ResearchMorts	188	7	0	0	0	195
	Sum of TotalProjectMorts	554	236	26	20	828	1,664
<b>LMN</b>	Sum of NumberCollected	42,697	279,174	13,545	4,156	574,389	913,961
	Sum of NumberBarged	38,111	270,566	13,505	4,130	562,245	888,557
	Sum of NumberBypassed	4,099	8,184	21	2	11,486	23,792
	Sum of NumberTrucked	236	3	17	1	148	405
	Sum of SampleMorts	129	30	0	0	83	242
	Sum of FacilityMorts	122	393	2	23	444	984
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	251	423	2	23	527	1,226
<b>MCN</b>	Sum of NumberCollected	2,400,491	1,316,847	58,662	304,461	222,772	4,303,233
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	2,361,691	1,315,873	58,647	303,939	222,353	4,262,503
	Sum of NumberTrucked	35,894	0	0	15	20	35,929
	Sum of SampleMorts	1,103	142	4	58	33	1,340
	Sum of FacilityMorts	1,559	819	11	447	366	3,202
	Sum of ResearchMorts	241	13	0	2	0	256
	Sum of TotalProjectMorts	2,903	974	15	507	399	4,798
Total Sum of NumberCollected		2,949,258	3,625,422	150,426	336,558	3,469,890	10,531,554
Total Sum of NumberBarged		482,293	1,793,760	89,759	31,223	2,945,377	5,342,412
Total Sum of NumberBypassed		2,416,061	1,827,811	60,509	304,724	520,469	5,129,574
Total Sum of NumberTrucked		44,181	271	95	37	1,808	46,392
Total Sum of SampleMorts		1,743	266	25	64	225	2,323
Total Sum of FacilityMorts		3,320	2,418	38	508	2,028	8,312
Total Sum of ResearchMorts		1,656	900	0	2	0	2,558
Total Sum of TotalProjectMorts		6,719	3,584	63	574	2,253	13,193

Cumulative Adult Passage at Mainstem Dams Through: 11/01

DAM	EndDate	Spring Chinook						Summer Chinook						Fall Chinook					
		2007		2006		10-Yr Avg.		2007		2006		10-Yr Avg.		2007		2006		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	10/31	66624	16606	96456	2908	156175	8234	47882	13686	97519	4355	69317	7971	157159	51845	295272	25396	361234	37731
TDA	10/31	52795	15406	61827	2176	108412	6003	40653	11409	81219	3620	59863	5873	93567	38385	169056	21308	191268	28651
JDA	10/31	43379	13663	50313	2093	90974	4767	36191	11717	73814	4150	55712	5893	73443	35936	135831	22233	140814	24751
MCN	10/31	17539	9800	45887	2475	83968	5029	33008	9508	62571	3389	54019	5480	57268	27994	89081	13782	110010	20028
IHR	10/31	28047	7308	25434	875	56277	3172	8015	2584	8540	545	11570	1861	13408	9743	10272	6835	11546	6767
LMN	10/31	26963	6934	23589	548	53700	2904	11836	1526	9926	523	11188	1521	16073	8834	11127	8769	10214	5868
LGS	10/31	23953	7227	20836	733	51418	2974	7898	2861	8156	596	9645	1792	10420	8032	9274	5100	8716	4242
LGR	10/31	22481	8971	22530	973	51737	3293	7703	3393	7058	662	9688	1964	10050	9710	7974	6551	7604	5072
PRD	10/30	6708	489	8535	81	17371	512	30644	1088	57236	556	48735	2050	21972	4308	17774	1818	27119	3128
RIS	10/31	5572	2066	9643	483	14040	762	28222	6200	61821	2086	45655	4765	3718	1673	5701	1596	10140	2108
RRH	10/31	2424	920	5376	274	5343	306	21657	5110	41234	1744	33778	3271	2909	1377	4366	1129	6339	1732
WEL	10/31	2041	752	4159	217	3869	205	13244	3573	25671	1944	24782	1610	1557	1011	3126	3189	3564	972
WFA	10/29	23010	299	36851	189	-	-	-	-	-	-	-	-	150	15	1933	323	-	-

DAM	Coho						Sockeye			Steelhead			Wild 2007
	2007		2006		10-Yr Avg.		10-Yr Avg.			10-Yr Avg.			
	Adult	Jack	Adult	Jack	Adult	Jack	2007	2006	Avg.	2007	2006	Avg.	
BON	85891	3748	98046	7788	95975	6175	24376	37066	60817	318653	329633	334327	80487
TDA	30664	2087	29728	2468	26577	2185	19124	30026	50789	241898	235623	252128	60034
JDA	33019	6209	28868	4910	22656	2438	24277	35387	55214	227198	217122	252769	60175
MCN	20217	2370	12183	1150	11672	950	18198	29295	46987	207043	184024	195796	50388
IHR	1994	153	897	74	974	32	55	48	30	153619	123631	146440	31527
LMN	2092	139	1102	79	890	45	44	17	31	154104	135566	141318	33236
LGS	1963	178	938	34	727	16	37	26	34	135414	124440	131070	23905
LGR	2458	257	1069	288	935	59	52	16	36	146667	129453	135285	30824
PRD	10326	730	3037	580	2193	285	24645	26710	58348	14863	10348	13738	0
RIS	15696	526	5335	0	3423	0	25122	35129	54210	13121	9315	13042	5572
RRH	4178	95	1451	0	599	0	20683	25377	37840	9969	7923	10159	3859
WEL	1856	0	381	0	147	0	22282	22075	37175	7268	6369	7523	3322
WFA	983	149	5728	1571	-	-	-	-	-	19016	25531	-	-

PRD does not post wild steelhead numbers.

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: 11/02/07

BON counts from January 1, 2006 to March 14, 2006 (our traditional counts begin March 15):

Year	Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
2007	22	0	1,677	517
2006	2	0	2,523	239