



# Fish Passage Center Weekly Report #07 - 28

September 14,  
2007

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## Summary of Events:

**Water Supply:** Precipitation throughout the Columbia Basin varied between 5% and 168% of average at individual sub-basins over the first ten days of September. Precipitation above The Dalles has been 47% of average over September. Over the entire water year, precipitation has varied between 73% and 100% of average at individual sub-basins.

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

Location	Water Year 2007 September 1-10		Water Year 2007 October 1, 2006 to September 1-10	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.13	25	23.62	96
SNAKE RIVER ABOVE ICE HARBOR	0.31	88	13.33	77
Columbia Above The Dalles	0.20	47	21.02	93
Kootenai	0.08	14	25.01	99
Clark Fork	0.20	51	15.81	92
Flathead	0.06	12	19.72	87
Pend Oreille/Spokane	0.02	5	25.87	85
Central Washington	0.02	16	7.77	88
SNAKE RIVER PLAIN	0.47	168	8.12	73
Salmon/Boise/ Payette	0.12	37	14.76	76
Clearwater	0.11	20	26.38	88
SW Washington Cascades/Cowlitz	0.18	17	66.66	96
Willamette Valley	0.27	38	58.38	100

Grand Coulee refilled 1.3 feet last week, ending September 13th at 1281.1 feet. Outflows at Grand Coulee ranged between 45.2 and 71.3 Kcfs last week.

Dworshak is currently at an elevation of 1520.7 feet (9-13-07), drafting 5.3 feet last week. Outflows at Dworshak are currently 2.4 Kcfs.

The Libby Reservoir is currently at elevation 2436.7 feet (9-13-07) and drafted 1.1 feet last week. Outflows at Libby have been reduced to 9.0 Kcfs.

Hungry Horse is currently at an elevation of 3540.0 feet (9-13-07) and drafted 0.7 foot last week. Outflows at Hungry Horse are currently at 2.6 Kcfs.

The Brownlee Reservoir was at an elevation of 2051.6 feet on September 13th, 2007, drafting 2.0 feet last week. Outflows at Brownlee Dam have been 9.5 to 13.2 Kcfs over the last week.

The summer Biological Opinion flow period at both McNary and Lower Granite Dams ended on August 31st, 2007. Flows at McNary Dam averaged 163.3 Kcfs over the summer season; the flow objective was 200 Kcfs. Flows at Lower Granite Dam averaged 28.8 Kcfs over the summer season; the flow objective was 50 Kcfs.

**Smolt Monitoring:** Subyearling indices were lower at most SMP sites this past week. Few spring migrants are being seen at SMP sites now. With the end of spill GBT monitoring also ended at SMP sites August 31. Sampling at Rock Island Dam ended August 31 also.

At Lower Granite Dam, there was a decrease in the average subyearling passage index, with the average this week at 51 per day compared to 56 per day last week. Indices of subyearling Chinook decreased at Little Goose and Lower Monumental dams this past week also.

In the Lower Columbia, at McNary Dam, numbers of subyearling Chinook were down this week, with the index averaging 550 this week compared to 2,000 last week. While at John Day and Bonneville dams, sampling has been reduced due to high temperatures in the river. John Day SMP crews sample twice a week at temperatures exceeding 70 degrees F, while the Bonneville SMP switches to every other day sampling. The weekly average subyearling index fell at John Day Dam averaging just over 100 compared to 300 last week. At Bonneville Dam the index averaged 150 this week compared to 700 per day last week.

#### **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. Approximately 378,000 spring Chinook parr are scheduled for release into the Lochsa River, beginning on or around September 27. In addition, 125,000 spring Chinook parr are scheduled for release into the South Fork of the Clearwater River, also beginning on or around September 27. However, these parr are not expected to out-migrate until 2008. There are no other releases scheduled for this zone over the next two weeks.

**Mid-Columbia Zone:** The Mid-Columbia Zone encompasses the area of the Columbia River and its tributaries from McNary Dam to Chief Joseph Dam. There were no scheduled releases of juvenile salmonids into this zone this week. Furthermore, there are no scheduled releases of juvenile salmonids into this zone over the next two weeks.

**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 nor are there any releases scheduled for this zone over the next two weeks.

**Adult Fish Passage:** At Bonneville dam, daily counts for fall Chinook began on August 1st. As of September 13th, 105,300 fall Chinook adults and 23,001 jacks had passed Bonneville Dam. This season, the 2007 Bonneville adult fall Chinook count is about 59.5 percent of the 2006 count and is about 41.2 percent of the 10-year average. The 2007 Bonneville jack fall Chinook count is 1.91 times greater than the 2006 count and 1.20 times greater than the 10-year average. Daily counts for adult fall Chinook began August 4th at The Dalles Dam. Daily fall Chinook totals ranged from 575 to 1,100 at The Dalles Dam as of September 13th, with a total count of 48,039. Fall Chinook counts began August 18th at Rock Island Dam. As of September 12th, the daily fall Chinook counts at Rock Island Dam ranged between 37 and 94 with a total of 2,123 for the season.

The 2007 steelhead count at Bonneville Dam was 282,886 as of September 13th. This season, the 2007 Bonneville steelhead count is 1.03 times greater than the 2006 count and 1.02 times greater than the 10-year average. The daily steelhead counts at The Dalles Dam ranged between 2,937 and 7,341 for the week with the cumulative count of 139,229. About 49.2 percent of the steelhead counted at Bonneville has passed The Dalles Dam. The majority of the 72,778 steelhead counted at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor now at 35,682 for the season. The cumulative count at Priest Rapids was at 9,243 for the season.

The coho salmon run at Bonneville has been increasing over the last week with 41,218 adults and 1,658 jacks to date. To date, the 2007 Bonneville coho count is about 87.8 percent of the 2006 count and 93.2 percent of the 10-year average. Four chum and 26 pink salmon have been observed at Bonneville Dam so far this 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
08/31/07	111.0	0.1	127.6	0.0	125.1	0.5	122.9	0.5	123.2	0.0	129.1	2.1	127.4	2.0
09/01/07	70.1	0.1	69.7	0.0	73.3	0.5	81.3	1.9	82.3	0.0	92.5	2.0	92.9	1.3
09/02/07	75.9	0.1	69.3	0.0	69.7	0.0	69.3	0.0	69.5	0.0	77.6	2.0	75.4	1.1
09/03/07	52.7	0.1	62.8	0.0	73.3	0.0	72.3	0.0	70.9	0.0	74.4	1.7	73.2	1.0
09/04/07	74.8	0.1	76.2	0.0	69.2	0.0	68.9	0.0	67.6	0.0	94.5	1.5	102.0	0.5
09/05/07	60.0	0.2	63.0	0.0	73.4	0.0	78.1	0.0	78.6	0.0	91.1	1.3	90.2	0.5
09/06/07	54.3	0.1	50.0	0.0	50.8	0.0	46.9	0.0	48.7	0.0	65.9	0.8	65.3	0.6
09/07/07	69.9	0.1	66.8	0.0	56.6	0.0	55.9	0.0	58.0	0.0	42.4	0.9	40.4	0.7
09/08/07	55.8	0.2	54.8	0.0	54.8	0.0	56.9	0.0	57.6	0.0	43.0	1.5	40.4	0.5
09/09/07	45.2	0.1	52.6	0.0	51.9	0.0	48.0	0.0	47.8	0.0	43.0	1.8	40.2	0.8
09/10/07	68.8	0.1	63.8	0.0	68.2	0.0	71.0	0.0	69.0	0.0	79.3	1.8	69.6	1.1
09/11/07	61.7	0.1	63.8	0.0	62.9	0.0	66.2	0.0	67.4	0.0	75.9	1.6	77.0	0.6
09/12/07	71.3	0.2	75.3	0.0	73.0	0.0	70.9	0.0	69.7	0.0	60.8	1.7	57.2	0.9
09/13/07	65.5	0.1	66.1	0.0	66.0	0.0	65.5	0.0	66.3	0.0	74.0	1.7	80.4	0.9

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

Date	Dworshak		Hells Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
08/31/07	7.8	0.0	9.0	9.4	20.8	8.2	22.0	6.6	20.4	8.3	21.0	11.2
09/01/07	7.7	0.0	9.0	9.6	23.5	0.0	17.2	0.0	16.4	0.1	10.4	0.0
09/02/07	7.7	0.0	9.2	9.9	22.1	0.0	20.1	0.0	20.9	0.0	18.0	0.0
09/03/07	7.8	0.0	9.7	10.5	22.0	0.0	21.0	0.0	21.0	0.0	18.9	0.0
09/04/07	7.8	0.0	9.7	10.8	21.2	0.0	20.6	0.0	19.3	0.0	19.3	0.0
09/05/07	7.7	0.0	9.4	9.9	24.0	0.5	20.1	0.0	18.3	0.0	17.3	0.0
09/06/07	7.8	0.0	9.4	11.9	22.6	0.0	19.1	0.0	20.8	0.0	20.8	0.0
09/07/07	7.8	0.0	8.9	11.6	23.4	0.0	13.1	0.0	15.0	0.0	12.9	0.0
09/08/07	7.8	0.0	9.3	10.0	23.5	0.0	26.4	0.0	25.7	0.5	28.2	0.0
09/09/07	7.7	0.0	9.9	11.0	19.8	0.0	17.2	1.8	14.4	0.0	12.3	0.0
09/10/07	5.6	0.0	9.4	13.0	24.2	0.0	23.5	1.2	22.3	0.0	20.3	0.0
09/11/07	5.5	0.0	9.6	12.2	22.7	0.0	22.7	0.0	23.7	0.9	23.6	0.0
09/12/07	5.5	0.0	9.8	11.5	21.2	0.0	22.9	0.0	24.8	0.0	25.2	0.0
09/13/07	5.3	0.0	---	---	20.3	0.0	15.6	0.3	17.3	0.0	15.9	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		
08/31/07	177.3	105.2	141.0	42.5	129.5	51.9	132.2	84.9	0.0	38.1
09/01/07	107.7	0.2	114.0	0.9	115.9	0.0	125.4	3.0	33.2	82.8
09/02/07	94.8	0.0	91.0	0.9	91.5	0.0	101.1	1.5	11.7	81.4
09/03/07	97.1	0.0	93.1	0.9	93.9	0.0	102.2	1.5	12.0	82.3
09/04/07	97.7	0.0	90.7	1.0	92.9	0.0	100.8	1.5	11.1	81.6
09/05/07	107.8	0.0	106.2	0.9	105.3	0.0	111.5	1.5	20.4	83.1
09/06/07	103.9	6.1	108.5	1.1	108.7	0.0	116.8	1.5	29.6	79.2
09/07/07	82.4	0.0	79.8	0.9	81.4	0.0	91.1	1.5	2.0	81.2
09/08/07	71.0	0.0	75.5	0.9	77.2	0.0	85.5	1.5	0.0	77.5
09/09/07	72.1	0.0	63.2	0.8	64.4	0.0	80.9	1.5	0.0	72.9
09/10/07	79.1	0.0	79.1	0.9	81.7	0.0	77.8	1.5	0.0	69.7
09/11/07	88.5	0.0	90.8	0.8	90.2	0.0	96.6	1.5	8.1	80.2
09/12/07	83.5	0.0	88.5	0.8	93.2	0.0	99.8	1.5	7.7	84.1
09/13/07	90.2	0.0	85.0	0.8	85.1	0.0	90.0	1.5	1.0	81.0

## 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>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		Avg	Avg	High
8/31	105	105	105	24	106	107	107	24	105	105	106	24	102	103	104	24	104	104	104	24			
9/1	104	105	105	24	105	106	107	24	104	105	105	24	102	102	103	24	103	104	104	24			
9/2	104	104	104	24	105	106	106	24	104	105	105	24	102	102	103	24	103	104	104	24			
9/3	104	104	105	24	105	106	107	24	104	105	105	24	102	102	103	24	103	104	104	24			
9/4	104	105	105	24	105	106	107	24	104	105	105	24	102	102	103	24	104	104	104	24			
9/5	104	105	105	24	105	106	106	24	104	105	105	24	101	102	103	24	104	104	105	24			
9/6	104	105	105	24	105	105	105	24	104	105	105	24	100	101	101	24	104	104	105	24			
9/7	104	105	105	24	104	104	105	24	104	104	104	24	101	102	104	24	103	104	104	24			
9/8	103	104	104	24	103	104	104	24	103	104	104	24	99	100	100	24	102	103	103	24			
9/9	103	103	104	24	103	104	104	24	103	103	104	24	99	99	100	24	102	103	103	24			
9/10	102	103	104	24	103	105	105	24	104	104	105	24	99	100	101	24	102	103	103	24			
9/11	103	103	104	24	104	105	105	24	105	105	106	24	100	101	101	24	103	104	104	24			
9/12	103	104	104	24	104	104	105	24	104	105	105	24	101	101	102	24	103	103	104	24			
9/13	102	102	102	24	104	104	105	24	104	104	105	24	100	101	101	24	103	103	104	24			

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>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	
8/31	104	105	107	24	105	106	107	24	105	106	107	24	104	105	105	24	104	105	105	24
9/1	104	104	105	24	104	105	107	24	105	106	107	24	104	104	105	24	105	106	110	24
9/2	103	104	106	24	104	105	106	24	104	105	106	24	104	105	106	24	104	105	105	24
9/3	104	105	106	24	105	106	108	24	104	105	106	24	105	105	106	24	104	105	105	24
9/4	104	105	105	24	105	106	107	23	105	106	106	23	105	105	106	24	104	105	105	24
9/5	105	106	107	23	104	105	105	23	104	105	106	23	104	104	105	24	104	104	105	24
9/6	105	106	107	24	104	105	106	24	104	105	106	24	103	104	105	24	103	103	104	24
9/7	104	104	106	24	103	104	105	24	103	104	105	24	103	103	104	24	103	103	103	24
9/8	103	104	105	24	103	104	105	24	103	104	104	24	102	102	103	24	102	102	103	24
9/9	103	104	105	24	103	104	106	24	103	104	105	24	102	102	103	24	102	102	103	24
9/10	103	103	104	12	104	105	106	24	103	104	105	24	102	102	103	24	102	103	103	24
9/11	---	---	---	0	105	106	107	24	104	106	106	24	103	104	104	24	103	104	104	24
9/12	---	---	---	0	105	105	106	24	104	105	107	24	104	104	105	24	104	104	104	24
9/13	104	104	105	8	104	105	106	24	104	105	106	24	104	104	105	24	104	104	105	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>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	
8/31	105	105	106	23	105	106	106	24	102	103	105	24	105	105	106	24	105	105	106	24
9/1	105	105	107	24	105	106	107	24	100	102	103	24	104	104	104	24	103	103	105	24
9/2	105	105	106	24	105	105	106	24	100	102	104	24	104	104	105	24	103	104	104	24
9/3	105	105	106	24	105	106	106	24	100	101	103	24	104	104	104	24	103	104	105	24
9/4	105	105	105	24	105	105	106	24	100	101	102	24	104	104	104	6	103	103	104	24
9/5	100	104	105	24	101	104	105	24	101	101	102	24	103	103	104	13	102	102	103	24
9/6	96	96	97	23	96	97	97	24	100	100	101	14	102	103	104	24	102	102	104	19
9/7	95	95	96	11	96	96	97	19	---	---	---	0	---	---	---	0	---	---	---	0
9/8	---	---	---	0	95	95	95	7	---	---	---	0	---	---	---	0	---	---	---	0
9/9	95	95	95	1	95	95	96	7	---	---	---	0	---	---	---	0	---	---	---	0
9/10	95	95	96	7	96	96	96	11	---	---	---	0	---	---	---	0	---	---	---	0
9/11	96	97	97	18	96	97	98	24	---	---	---	0	---	---	---	0	---	---	---	0
9/12	97	97	97	24	97	98	98	24	---	---	---	0	---	---	---	0	---	---	---	0
9/13	96	97	98	20	97	97	98	24	---	---	---	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>Clrwtr-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			
8/31	105	106	106	24	104	105	106	24	100	100	101	24	101	102	103	24	101	102	103	24
9/1	104	104	105	24	103	103	104	17	100	100	101	17	100	101	103	17	101	103	104	24
9/2	104	105	106	24	103	104	104	24	100	100	101	14	100	100	102	14	101	103	104	24
9/3	104	105	106	24	103	104	104	24	100	101	101	24	101	102	104	24	101	103	104	24
9/4	103	104	104	24	103	104	104	24	101	101	101	24	101	102	103	24	101	102	103	24
9/5	102	103	103	24	102	102	103	24	100	100	101	24	100	101	103	24	101	102	103	24
9/6	101	102	103	24	101	102	102	24	100	100	100	24	100	101	102	24	101	102	103	24
9/7	---	---	---	0	101	102	102	24	100	100	101	24	---	---	---	0	101	102	103	24
9/8	---	---	---	0	101	101	102	24	99	99	100	24	---	---	---	0	100	102	103	24
9/9	---	---	---	0	101	101	102	24	99	99	100	24	---	---	---	0	100	102	103	24
9/10	---	---	---	0	102	102	103	24	105	106	107	24	100	102	103	24	101	102	104	24
9/11	---	---	---	0	103	104	104	24	102	105	106	24	100	101	102	24	101	103	104	24
9/12	---	---	---	0	103	103	104	24	99	100	100	23	98	100	101	23	101	102	103	24
9/13	---	---	---	0	102	103	104	24	100	100	106	24	100	104	105	24	101	103	104	24

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

Date	<u>Clrwtr-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			
8/31	102	103	105	24	100	100	101	24	109	109	110	24	104	104	105	24	106	106	107	24
9/1	102	103	107	17	99	100	100	17	100	100	109	17	103	103	105	17	103	104	105	17
9/2	101	102	105	14	100	100	100	24	98	99	99	24	105	105	106	18	104	105	106	18
9/3	103	105	107	24	100	101	101	24	99	100	100	24	105	106	107	24	105	106	107	24
9/4	102	104	106	24	101	101	102	24	100	100	100	24	105	105	107	24	105	106	106	24
9/5	102	104	106	24	101	101	102	24	100	101	102	24	105	106	106	24	105	105	105	24
9/6	102	104	106	24	100	101	101	24	99	99	100	24	104	105	105	23	104	104	104	23
9/7	102	103	105	24	100	100	101	24	99	100	100	24	105	105	106	24	103	103	103	24
9/8	101	104	105	24	100	100	100	24	99	99	99	24	104	105	105	24	101	101	102	24
9/9	101	103	105	24	99	100	100	24	99	99	101	24	104	104	105	24	101	102	106	24
9/10	102	104	106	24	100	100	101	24	99	99	99	24	103	104	104	24	101	103	105	24
9/11	103	105	107	24	101	102	103	24	100	100	101	24	102	102	104	24	100	101	102	24
9/12	102	104	106	23	100	101	101	24	99	99	100	24	102	102	103	24	100	101	102	24
9/13	102	105	107	24	100	100	100	24	99	99	101	24	100	101	101	24	100	100	102	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>	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			
8/31	102	103	104	24	110	113	114	24	107	107	107	24	110	111	111	24	---	---	---	0
9/1	103	103	104	17	104	104	108	17	106	107	107	17	107	108	109	17	---	---	---	0
9/2	104	104	105	15	103	103	104	15	107	107	107	14	106	107	108	14	---	---	---	0
9/3	104	105	105	24	104	105	105	24	108	108	109	24	108	109	110	24	---	---	---	0
9/4	104	105	105	24	116	125	143	21	108	108	108	24	108	108	109	24	---	---	---	0
9/5	102	103	104	24	103	103	104	24	107	107	108	23	107	107	109	24	---	---	---	0
9/6	103	103	105	24	103	103	105	24	106	107	107	24	106	106	107	24	---	---	---	0
9/7	103	104	104	24	102	103	103	24	105	106	106	24	105	106	106	24	---	---	---	0
9/8	102	102	103	24	103	105	116	24	103	104	104	24	104	104	104	24	---	---	---	0
9/9	103	104	104	24	102	102	103	24	102	102	102	24	103	104	105	24	---	---	---	0
9/10	103	103	103	24	102	103	103	24	102	102	103	24	103	104	104	24	---	---	---	0
9/11	103	103	104	24	103	105	114	24	103	103	103	24	104	104	106	24	---	---	---	0
9/12	102	102	103	24	102	103	103	24	102	102	103	24	103	104	104	24	---	---	---	0
9/13	103	103	104	24	102	102	103	24	101	102	102	24	102	103	104	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>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr				
8/31	104	105	105	24	116	118	119	24	104	104	105	24	114	115	115	24	107	108	108	24
9/1	103	104	105	17	105	106	115	17	104	104	105	17	104	105	107	17	105	106	106	24
9/2	104	104	104	24	104	104	104	24	103	104	104	19	104	105	105	19	105	106	106	24
9/3	104	104	105	24	104	104	105	24	104	104	105	24	105	105	106	24	103	103	104	24
9/4	103	103	104	24	103	103	104	24	104	104	104	24	103	104	105	22	102	103	103	22
9/5	103	104	104	23	103	104	104	24	104	104	104	24	103	104	105	22	101	102	102	24
9/6	103	103	104	24	104	106	112	24	103	104	104	24	103	103	103	18	101	101	102	24
9/7	103	103	104	24	103	103	103	24	103	103	103	24	103	103	104	8	101	101	101	24
9/8	101	102	102	24	101	102	102	24	102	103	103	24	102	102	102	14	100	100	101	24
9/9	103	103	105	24	102	102	103	24	102	103	103	24	103	104	104	24	101	101	101	24
9/10	101	102	102	24	101	101	102	24	103	103	104	24	103	103	104	24	101	101	101	24
9/11	102	102	102	24	101	102	102	24	103	103	103	24	104	104	106	21	102	103	103	24
9/12	102	102	102	24	102	102	103	24	103	103	103	24	103	103	104	24	102	103	103	24
9/13	102	102	103	24	101	102	102	24	102	102	103	24	102	103	103	24	102	102	102	24

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>Camas\Washougal</u>			<u>Cascade Island</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr				
8/31	114	114	114	24	109	110	111	24	---	---	---	0	112	113	115	24	115	115	118	24
9/1	107	108	113	24	107	107	107	24	---	---	---	0	111	111	113	24	116	117	120	24
9/2	107	107	109	24	107	107	107	24	---	---	---	0	107	107	108	24	115	119	124	24
9/3	105	105	105	24	107	108	108	24	---	---	---	0	107	107	108	24	112	115	117	24
9/4	103	104	104	24	105	107	107	24	---	---	---	0	106	106	107	24	110	111	113	24
9/5	103	103	103	24	102	103	103	24	---	---	---	0	104	105	106	24	113	115	119	24
9/6	102	102	103	24	101	101	102	24	---	---	---	0	102	103	104	24	113	115	119	24
9/7	102	102	103	24	100	100	100	24	---	---	---	0	101	102	102	24	113	116	120	24
9/8	102	102	102	24	100	100	100	24	---	---	---	0	101	102	102	24	111	112	119	24
9/9	103	103	104	24	100	100	100	24	---	---	---	0	101	101	102	24	114	118	121	24
9/10	103	104	104	24	100	100	101	24	---	---	---	0	101	101	102	24	114	118	121	24
9/11	103	104	104	24	101	101	102	24	---	---	---	0	101	102	103	24	115	117	121	24
9/12	104	104	104	24	101	102	102	24	---	---	---	0	102	103	103	24	114	116	118	24
9/13	103	104	104	24	102	102	102	24	---	---	---	0	102	102	103	24	113	117	123	24

## 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/currentsmpsubmitdata.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)
08/31/2007	---	---	---	---	0	0	0	0	0	0	0
09/01/2007	*	---	---	---	1	0	0	1	0	0	---
09/02/2007	*	---	---	---	4	0	0	---	0	0	0
09/03/2007	*	---	---	---	4	0	0	---	0	0	---
09/04/2007	---	---	---	---	5	1	0	---	0	0	0
09/05/2007	*	---	---	---	5	0	0	---	0	0	---
09/06/2007	*	---	---	---	4	0	0	---	0	0	0
09/07/2007	*	---	---	---	9	0	0	---	0	0	---
09/08/2007	*	---	---	---	5	0	0	---	0	0	0
09/09/2007	*	---	---	---	3	0	0	---	0	0	0
09/10/2007	*	---	---	---	3	0	0	---	0	0	0
09/11/2007	---	---	---	---	2	0	0	---	0	0	0
09/12/2007	*	---	---	---	0	0	0	---	0	0	0
09/13/2007	*	---	---	---	9	0	0	---	0	0	0
09/14/2007	---	---	---	---	---	0	---	---	---	---	0
<hr/>											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>1</b>	<b>0</b>	<b>1</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>15</b>	<b>14</b>	<b>2</b>	<b>14</b>	<b>14</b>	<b>11</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>43,491</b>	<b>86,299</b>	<b>15,108</b>	<b>6,553</b>	<b>2,247,514</b>	<b>655,135</b>	<b>355,692</b>	<b>23,769</b>	<b>2,224,857</b>	<b>4,262,628</b>	<b>1,949,995</b>

<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)
08/31/2007	---	---	---	---	38	14	0	51	2,884	1,660	1,347
09/01/2007	*	---	---	---	55	16	10	29	1,052	0	---
09/02/2007	*	---	---	---	43	11	2	---	1,885	0	933
09/03/2007	*	---	---	---	58	25	7	---	3,400	0	---
09/04/2007	---	---	---	---	50	44	3	---	2,235	454	291
09/05/2007	*	---	---	---	93	41	13	---	1,610	0	---
09/06/2007	*	---	---	---	80	29	6	---	1,150	0	225
09/07/2007	*	---	---	---	62	11	1	---	629	753	---
09/08/2007	*	---	---	---	59	10	1	---	610	0	138
09/09/2007	*	---	---	---	50	12	6	---	505	0	143
09/10/2007	*	---	---	---	46	16	2	---	380	0	204
09/11/2007	---	---	---	---	33	7	1	---	385	106	144
09/12/2007	*	---	---	---	30	10	1	---	210	0	67
09/13/2007	*	---	---	---	41	10	1	---	215	0	211
09/14/2007	---	---	---	---	---	12	---	---	---	---	256
<hr/>											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>738</b>	<b>268</b>	<b>54</b>	<b>80</b>	<b>17,150</b>	<b>2,973</b>	<b>3,959</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>15</b>	<b>14</b>	<b>2</b>	<b>14</b>	<b>14</b>	<b>11</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>18</b>	<b>4</b>	<b>40</b>	<b>1,225</b>	<b>212</b>	<b>360</b>
<b>YTD</b>	<b>0</b>	<b>83</b>	<b>90</b>	<b>255</b>	<b>328,225</b>	<b>437,335</b>	<b>78,554</b>	<b>15,746</b>	<b>4,723,217</b>	<b>3,006,181</b>	<b>4,068,481</b>

## 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)
08/31/2007	---	---	---	---	2	1	2	1	0	0	0
09/01/2007	*	---	---	---	1	3	0	0	0	0	---
09/02/2007	*	---	---	---	0	1	1	---	0	0	0
09/03/2007	*	---	---	---	0	3	0	---	0	0	---
09/04/2007		---	---	---	0	0	0	---	0	0	0
09/05/2007	*	---	---	---	0	1	1	---	0	0	---
09/06/2007	*	---	---	---	1	1	0	---	0	0	0
09/07/2007	*	---	---	---	0	3	2	---	0	0	---
09/08/2007	*	---	---	---	0	0	0	---	0	0	0
09/09/2007	*	---	---	---	0	1	2	---	0	0	0
09/10/2007	*	---	---	---	0	2	2	---	0	0	---
09/11/2007		---	---	---	1	2	0	---	0	0	0
09/12/2007	*	---	---	---	0	0	1	---	0	0	0
09/13/2007	*	---	---	---	0	2	2	---	0	0	0
09/14/2007		---	---	---	---	2	---	---	---	---	0
<hr/>											
<b>Total:</b>	0	0	0	0	5	22	13	1	0	0	0
<b># Days:</b>	0	0	0	0	14	15	14	2	14	14	11
<b>Average:</b>	0	0	0	0	0	1	1	1	0	0	0
<b>YTD</b>	0	0	0	57	50,725	55,861	18,047	64,420	99,127	347,366	628,455

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)
08/31/2007	---	---	---	---	0	22	3	1	0	20	0
09/01/2007	*	---	---	---	0	25	2	0	0	0	---
09/02/2007	*	---	---	---	0	34	2	---	0	0	13
09/03/2007	*	---	---	---	0	46	3	---	0	0	---
09/04/2007		---	---	---	1	194	7	---	0	10	0
09/05/2007	*	---	---	---	0	306	11	---	0	0	---
09/06/2007	*	---	---	---	0	149	5	---	0	0	0
09/07/2007	*	---	---	---	0	53	11	---	0	5	---
09/08/2007	*	---	---	---	1	37	3	---	0	0	0
09/09/2007	*	---	---	---	0	34	8	---	5	0	0
09/10/2007	*	---	---	---	0	31	6	---	5	0	0
09/11/2007		---	---	---	0	46	8	---	0	0	0
09/12/2007	*	---	---	---	0	39	1	---	0	0	0
09/13/2007	*	---	---	---	1	44	2	---	5	0	11
09/14/2007		---	---	---	---	59	---	---	---	---	0
<hr/>											
<b>Total:</b>	0	0	0	0	3	1,119	72	1	15	35	24
<b># Days:</b>	0	0	0	0	14	15	14	2	14	14	11
<b>Average:</b>	0	0	0	0	0	75	5	1	1	3	2
<b>YTD</b>	3,734	46,002	1,940	7,792	1,859,324	1,871,736	740,917	18,555	376,506	961,373	267,149



## 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)	
08/31/2007	---	---	---	---	0	0	0	0	0	0	0	
09/01/2007	*	---	---	---	0	0	0	0	0	0	---	
09/02/2007	*	---	---	---	0	1	0	---	0	0	0	
09/03/2007	*	---	---	---	0	0	0	---	0	0	---	
09/04/2007		---	---	---	0	0	0	---	5	0	0	
09/05/2007	*	---	---	---	0	0	0	---	0	0	---	
09/06/2007	*	---	---	---	0	0	0	---	0	0	0	
09/07/2007	*	---	---	---	0	0	0	---	0	0	---	
09/08/2007	*	---	---	---	0	0	0	---	0	0	0	
09/09/2007	*	---	---	---	0	0	0	---	0	0	0	
09/10/2007	*	---	---	---	0	0	0	---	5	0	0	
09/11/2007		---	---	---	0	0	0	---	0	0	10	
09/12/2007	*	---	---	---	0	0	0	---	0	0	0	
09/13/2007	*	---	---	---	0	0	0	---	0	0	0	
09/14/2007		---	---	---	---	0	---	---	---	---	0	
<hr/>												
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>10</b>	
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>15</b>	<b>14</b>	<b>2</b>	<b>14</b>	<b>14</b>	<b>11</b>	
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	
<b>YTD</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>413</b>	<b>20,682</b>	<b>17,122</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:

9/14/07 9:48 AM

08/31/07 TO 09/14/07

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	705	54	4		3	766
	Sum of NumberBarged	0	0	0		0	0
	Sum of NumberBypassed	241	0	0		0	241
	Sum of Numbertrucked	445	51	4		3	503
	Sum of SampleMorts	19	3	0		0	22
	Sum of FacilityMorts	0	0	0		0	0
	Sum of ResearchMorts	0	0	0		0	0
	Sum of TotalProjectMorts	19	3	0		0	22
<b>LGS</b>	Sum of NumberCollected	258	1	21		1,100	1,381
	Sum of NumberBarged	0	0	0		0	0
	Sum of NumberBypassed	131	0	1		0	132
	Sum of Numbertrucked	100	1	18		1,031	1,151
	Sum of SampleMorts	4	0	0		5	9
	Sum of FacilityMorts	3	0	0		6	9
	Sum of ResearchMorts	12	0	0		0	12
	Sum of TotalProjectMorts	19	0	0		11	30
<b>LMN</b>	Sum of NumberCollected	50			12	70	132
	Sum of NumberBarged	0			0	0	0
	Sum of NumberBypassed	0			0	0	0
	Sum of Numbertrucked	47			12	70	129
	Sum of SampleMorts	3			0	0	3
	Sum of FacilityMorts	0			0	0	0
	Sum of ResearchMorts	0			0	0	0
	Sum of TotalProjectMorts	3			0	0	3
<b>MCN</b>	Sum of NumberCollected	14,805				10	14,830
	Sum of NumberBarged	0				0	0
	Sum of NumberBypassed	0				0	0
	Sum of Numbertrucked	14,632				10	14,657
	Sum of SampleMorts	32				0	32
	Sum of FacilityMorts	137				0	137
	Sum of ResearchMorts	0				0	0
	Sum of TotalProjectMorts	169				0	169
Total Sum of NumberCollected		15,818	55	37		1,188	17,109
Total Sum of NumberBarged		0	0	0		0	0
Total Sum of NumberBypassed		372	0	1		0	373
Total Sum of Numbertrucked		15,224	52	34		1,119	16,440
Total Sum of SampleMorts		58	3	0		5	66
Total Sum of FacilityMorts		140	0	0		6	146
Total Sum of ResearchMorts		12	0	0		0	12
Total Sum of TotalProjectMorts		210	3	0		11	224

### YTD Transportation Summary

Source: Fish Passage Center

Updated:

9/14/07 9:48 AM

TO: 09/14/07

Site	Data	Species					Grand Total
		CH0	CH1	CO	SO	ST	
<b>LGR</b>	Sum of NumberCollected	190,737	1,578,139	38,283	15,920	1,367,790	3,190,869
	Sum of NumberBarged	146,528	1,125,031	36,823	15,540	1,185,551	2,509,473
	Sum of NumberBypassed	40,349	451,109	1,432	356	181,734	674,980
	Sum of NumberTrucked	989	51	8	0	8	1,056
	Sum of SampleMorts	289	60	1	2	35	387
	Sum of FacilityMorts	1,355	1,008	19	22	462	2,866
	Sum of ResearchMorts	1,227	880	0	0	0	2,107
	Sum of TotalProjectMorts	2,871	1,948	20	24	497	5,360
<b>LGS</b>	Sum of NumberCollected	303,994	463,098	40,030	12,006	1,321,519	2,140,647
	Sum of NumberBarged	297,602	398,141	39,430	11,553	1,197,581	1,944,307
	Sum of NumberBypassed	5,566	64,721	542	433	121,828	193,090
	Sum of NumberTrucked	281	2	30	1	1,237	1,551
	Sum of SampleMorts	104	31	20	3	63	221
	Sum of FacilityMorts	252	198	6	16	752	1,224
	Sum of ResearchMorts	180	7	0	0	0	187
	Sum of TotalProjectMorts	536	236	26	19	815	1,632
<b>LMN</b>	Sum of NumberCollected	42,674	279,229	13,542	4,156	574,371	913,972
	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	214	3	14	1	131	363
	Sum of SampleMorts	128	30	0	0	82	240
	Sum of FacilityMorts	122	393	2	23	444	984
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	250	423	2	23	526	1,224
<b>MCN</b>	Sum of NumberCollected	2,400,351	1,316,847	58,662	304,461	222,772	4,303,093
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	2,361,551	1,315,873	58,647	303,939	222,353	4,262,363
	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		2,937,756	3,637,313	150,517	336,543	3,486,452	10,548,581
Total Sum of NumberBarged		482,241	1,793,738	89,758	31,223	2,945,377	5,342,337
Total Sum of NumberBypassed		2,411,565	1,839,887	60,642	304,730	537,401	5,154,225
Total Sum of NumberTrucked		37,378	56	52	17	1,396	38,899
Total Sum of SampleMorts		1,624	263	25	63	213	2,188
Total Sum of FacilityMorts		3,288	2,418	38	508	2,024	8,276
Total Sum of ResearchMorts		1,648	900	0	2	0	2,550
Total Sum of TotalProjectMorts		6,560	3,581	63	573	2,237	13,014

Cumulative Adult Passage at Mainstem Dams Through: 09/13

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	09/13	66624	16606	96456	2908	156175	8234	47882	13686	97519	4355	69317	7971	105300	23001	176736	11990	255030	19109
TDA	09/13	52795	15406	61827	2176	108412	6003	40653	11409	81219	3620	59863	5873	48039	13475	87677	8529	112683	11462
JDA	09/13	43379	13663	50313	2093	90974	4767	36191	11717	73814	4150	55712	5893	29708	11779	55265	7518	71159	8337
MCN	09/12	38852	12252	45887	2475	83968	5029	33008	9508	62571	3389	54019	5480	19834	5968	30018	4628	42942	5094
IHR	09/12	28047	7308	25434	875	56277	3172	8015	2584	8540	545	11570	1861	4961	1510	4276	1541	4458	1233
LMN	09/13	26963	6934	23589	548	53700	2904	11836	1526	9926	523	11188	1521	4881	1323	4769	1260	3760	838
LGS	09/13	23953	7227	20836	733	51418	2974	7898	2861	8156	596	9645	1792	2874	792	3532	713	2776	556
LGR	09/13	22481	8971	22530	973	51737	3293	7703	3393	7058	662	9688	1964	2731	800	2685	847	2174	583
PRD	09/10	6708	489	8535	81	17371	512	30644	1088	57236	556	48735	2050	4597	1307	6329	975	11758	1010
RIS	09/12	5572	2066	9643	483	14040	762	28222	6200	61821	2086	45655	4765	2123	808	2789	616	4322	888
RRH	09/12	2424	920	5376	274	5343	306	21657	5110	41234	1744	33778	3271	1745	562	2209	449	3064	875
WEL	09/12	2041	752	4159	217	3869	205	13244	3573	25671	1944	24782	1610	650	406	1624	1705	1518	442
WFA	09/11	23010	299	36851	189	-	-	0	0	0	0	-	-	60	11	311	30	-	-

DAM	Coho						Sockeye			Steelhead			
	2007		2006		10-Yr Avg.		10-Yr Avg.			10-Yr Avg.			Wild 2007
	Adult	Jack	Adult	Jack	Adult	Jack	2007	2006	Avg.	2007	2006	Avg.	
BON	41218	1658	46909	2203	44200	2318	24376	37066	60817	282886	274267	277052	74124
TDA	3928	617	10344	872	6951	735	19124	30024	50789	139229	132892	147546	36978
JDA	3228	1073	6509	1286	4078	560	24257	35386	55214	95818	89379	112637	27413
MCN	817	121	1674	139	1070	132	18191	29293	46987	72778	57835	72246	20800
IHR	77	1	68	10	46	0	55	47	30	35682	29898	41501	6574
LMN	36	3	18	1	18	2	43	17	31	33200	29661	36056	7280
LGS	35	10	18	6	11	0	37	26	34	18337	17648	26462	3380
LGR	0	0	2	0	1	0	53	14	36	21843	17790	25832	5046
PRD	110	8	345	27	60	6	24643	26705	58348	9243	6187	8551	0
RIS	27	0	120	0	31	0	25119	35119	54203	7977	4949	7507	3628
RRH	1	0	2	0	3	0	20671	25373	37839	5127	3838	5453	2145
WEL	0	0	0	0	0	0	22238	22028	37154	3138	2320	3575	1558
WFA	65	16	74	32	-	-	0	0	-	18947	25098	-	-

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: 09/14/07

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