



Fish Passage Center Weekly Report #06 - 23

August 11, 2006

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 0% and 56% of average at individual sub-basins over the beginning of August. Precipitation above The Dalles over August has been 31% of average. Over the entire water year, precipitation has been average or above average at all list locations.

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

Location	Water Year 2006 Aug 1-7		Water Year 2006 October 1, 2005 to August 7, 2006	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.06	17	23.59	104
SNAKE RIVER ABOVE ICE HARBOR	0.11	56	19.13	118
Columbia Above The Dalles	0.08	31	22.91	108
Kootenai	0.03	8	25.25	108
Clark Fork	0.01	4	17.33	110
Flathead	0.01	4	23.18	111
Pend Oreille/Spokane	0.00	2	31.99	111
Central Washington	0.00	1	11.04	131
SNAKE RIVER PLAIN	0.06	49	12.14	118
Salmon/Boise/Payette	0.01	7	23.99	129
Clearwater	0.01	2	29.76	104
SW Washington Cascades/Cowlitz	0.00	0	66.43	99
Willamette Valley	0.04	15	61.32	108

Table 2 displays the May Final, June Final, and July Final runoff volume forecasts for multiple reservoirs. The July Final forecast at The Dalles between January and July is 114000 Kaf (106% of average).

Table 2. May Final, June Final, and July Final Runoff Volume Forecasts for various reservoirs within the Columbia and Snake River Basins.

Location	May Final		June Final		July Final	
	% Average (1971- 2000)	Probable Runoff Volume (Kaf)	% Average (1971- 2000)	Probable Runoff Volume (Kaf)	% Average (1971- 2000)	Probable Runoff Volume (Kaf)
The Dalles (Jan-July)	103	110000	103	111000	106	114000
Grand Coulee (Jan-July)	98	61900	101	63300	106	66900
Libby Res. Inflow, MT (Jan-July)	98	6160	101	6360	113	7120
Hungry Horse Res. Inflow, MT (Jan-July)	101	2250	106	2360	109	2430
Lower Granite Res. Inflow (Apr- July)	126	27100	124	26700	116	25100
Brownlee Res. Inflow (Apr-July)	143	9020	141	8910	138	8710
Dworshak Res. Inflow (Apr-July)	101	2670	106	2800	105	2770

Grand Coulee Reservoir is at 1282.8 feet (8-10-06) and has drafted 1.5 feet over the last week. Grand Coulee's end of August draft target is 1280 feet. Outflow has ranged between 81 and 121.2 Kcfs.

The Libby Reservoir is currently at elevation 2450.2 feet (8-10-06) and drafted 1.9 feet last week. Outflows are currently 14 Kcfs.

Hungry Horse is currently at an elevation of 3550.4 feet (8-10-06) and has drafted approximately 1.1 feet in the last week. Hungry Horse outflows have been approximately 3.1 Kcfs.

Dworshak is currently at an elevation of 1556 feet (8-10-06) and drafted approximately 7.3 feet last week. Outflows at Dworshak are currently 9.8-10.1 Kcfs (full powerhouse flow) and are expected to stay at this outflow until August 16th, 2006.

The Brownlee Reservoir was at an elevation of 2057.7 feet on Aug 10th, 2006. Outflows at Hells Canyon have ranged between 12.5 and 15.7 Kcfs over the last week.

According to the June Final Water Supply Forecast, the flow objective this summer is 54.5 Kcfs at Lower Granite (began 6-21-06) and 200 Kcfs at McNary (began 7-1-06). From June 21 to August 10 flows have averaged 42.1 Kcfs at Lower Granite, over the last week flows have averaged 30.3 Kcfs at Lower Granite. Between July 1 and Aug 10, flows at McNary have averaged 179.2 Kcfs; over the last week flows have averaged 150.7 Kcfs.

Smolt Monitoring: Subyearling Chinook salmon predominate in the run at all sites as they have for the past several weeks. Small numbers of spring migrants continue to be detected in the system; most notably, sockeye continue to pass McNary Dam and Lower Columbia River dams in steady but low numbers. Subyearling indices decreased at almost all sites over the past week, while average indices increased slightly at John Day Dam.

At Lower Granite Dam, subyearling chinook indices averaged roughly 220 per day over the past week compared to 350 per day the previous week, while at Little Goose and Lower Monumental

Dam the subyearling index averaged 250 and 40 (respectively) per day this week.

At Rock Island Dam indices for subyearlings averaged 100 per day this week compared to 200 per day last week. At McNary Dam, subyearling indices were down, averaging 15,000 this week compared to 19,000 per day over the previous week. At John Day Dam, where sampling is limited to every other day due to high temperatures, subyearling indices averaged 5,500 per day this week compared to 4,600 per day last week. At Bonneville Dam subyearling indices decreased with this weeks' average index at 2,500 per day, compared to 4,300 fish per day last week. Bonneville sampling has also been altered due to high temperatures. In fact, with the recent heat wave, temperatures exceeded 72 degrees F on July 26, at which point sampling ceased, for one day, as per the 2006 Fish Passage Plan. With temperatures below 72 again, sampling has commenced. However, when temperatures are at or above 70, sampling crews will work up fish more frequently to reduce holding time at the site.

Spill: No spill has occurred at Dworshak Dam over the past week. Summer spill began on June 21 for Lower Snake River projects in accordance with the December 29, 2005 District Court Order and Opinion. Spill at Lower Granite, Little Goose, Lower Monumental, and Ice Harbor dams averaged 57%, 33%, 54%, and 67%, of average daily flow over the past week, respectively. Spill at Lower Granite was provided as 18 Kcfs according to the Court's order, or as the flow in excess of that needed to operate one turbine unit at this project. Little Goose Dam met, or exceeded, the Court's Order for spill this past week. Spill at Lower Monumental Dam was provided as the excess flow above that needed for project minimum powerhouse flows. It has been averaging close to the 17 Kcfs specified in the Court's Order. Ice Harbor Dam was also spilling all water above project minimum powerhouse flows.

Summer spill for fish passage was initiated on July 1 at the Lower Columbia River projects. Spill at McNary, John Day, The Dalles, and Bonneville dams was 57%, 30%, 40%, and 63% of average daily flow, respectively. McNary, John Day, and The Dalles dams met the Court's order last week. Spill at Bonneville Dam met the Court's order of 75 Kcfs for day time spill for all days this last week, while the Court's Order of spilling to the gas cap was limited due to total dissolved gas levels at Camas/Washougal.

Total dissolved gas levels have met the TDG waiver requirements over the past week at most locations. A few sampled fish showed signs (Rank 1) of GBT, and that was primarily at Rock Island Dam.

Adult Fish Passage: At Bonneville dam, daily counts of fall Chinook began on August 1st, over the last week daily counts have ranged between 324 and 456 fish. The season total of summer Chinook at Bonneville Dam was 97,519 fish, about 123% and 159% of the respective 2005 and 10-year average counts. About 62,422 of the summer Chinook have passed McNary Dam (as of August 10th) with the majority moving upstream into the Mid-Columbia River. Daily counts at Rock Island Dam ranged between 53 and 487 during the week.

At Bonneville Dam, steelhead counts averaged 5,733 per day between August 4th and August 10th. Through August 10th, the steelhead run at Bonneville Dam was 107,945, 77% and 73% of the respective 2005 and 10-year average counts. The daily counts at The Dalles Dam ranged between 620 and 1412 for the week with the cumulative steelhead count through August 10th at 26,685. About 25% of the steelhead counted at Bonneville Dam has passed The Dalles Dam. The majority of the 14,727 steelhead counted at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor Dam now at 6,938 for the season. The cumulative count at Priest Rapids Dam is 1,685 for the season.

Adult sockeye salmon passage at Bonneville Dam averaged 6 fish per day through the week with the count at Bonneville through

August 10th at 37,030, about 51% and 62% of the respective 2005 and 10-year average counts. About 26,700 of the adult sockeye have been counted at Priest Rapids Dam. One of the major spawning sites for the sockeye is Lake Wenatchee with the other site at Lake Osoyoos (Okanogan basin). To date, 51 sockeye have been counted into the Snake River.

Hatchery Releases: No hatchery releases are scheduled for the next two weeks.

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
07/28/06	126.5	0.0	137.8	0.0	140.6	12.4	141.4	10.1	142.0	25.3	150.4	20.7	137.5	22.6
07/29/06	97.7	0.2	99.1	0.0	102.6	8.0	98.2	10.5	100.7	24.6	119.9	1.6	127.9	21.0
07/30/06	72.5	0.2	66.6	0.0	67.8	5.9	74.5	8.1	75.9	20.2	102.7	1.3	99.6	21.0
07/31/06	123.5	0.2	121.8	0.0	123.8	8.6	118.5	10.7	116.2	26.7	88.6	1.5	81.6	21.0
08/01/06	97.7	0.2	103.7	0.0	110.0	7.8	112.7	8.7	115.7	25.1	120.9	1.8	113.4	23.6
08/02/06	121.2	0.2	119.1	0.0	117.5	9.4	112.6	9.0	114.8	23.1	110.5	2.0	103.3	22.4
08/03/06	101.8	0.1	107.8	0.0	117.3	9.7	117.0	10.0	115.3	23.2	119.6	3.4	115.9	24.6
08/04/06	83.3	0.2	84.4	0.0	89.1	6.5	89.3	9.1	90.4	22.5	111.5	2.0	114.5	20.9
08/05/06	104.3	0.1	110.5	0.0	104.6	6.9	101.8	7.9	103.0	19.4	93.3	1.6	83.1	22.6
08/06/06	81.0	0.2	72.7	0.0	81.4	6.5	80.8	6.5	82.7	15.1	88.7	1.9	90.1	24.0
08/07/06	121.2	0.2	121.5	0.0	125.8	8.3	125.4	9.0	124.9	24.0	126.7	9.8	120.2	22.2
08/08/06	121.1	0.2	114.5	0.0	116.5	7.7	111.9	9.4	113.1	23.4	120.6	2.3	115.6	23.5
08/09/06	94.6	0.2	101.0	0.0	105.5	7.6	112.6	9.8	115.0	21.5	128.3	1.6	129.3	21.7
08/10/06	90.0	0.2	92.4	0.0	95.0	6.9	86.4	7.2	85.8	17.7	91.7	1.3	88.8	23.7

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
07/28/06	12.0	2.2	11.2	14.3	32.0	18.0	29.2	9.4	28.2	15.1	28.9	17.9
07/29/06	11.9	2.1	11.2	11.8	33.7	18.0	33.9	10.7	33.1	17.0	31.9	21.1
07/30/06	11.9	2.1	10.3	9.8	31.6	17.8	30.5	9.9	30.7	16.4	31.2	20.5
07/31/06	10.8	0.9	10.1	8.1	29.1	16.6	29.6	9.8	28.7	16.4	30.2	20.1
08/01/06	9.8	0.0	11.0	8.0	25.5	13.1	26.3	9.3	25.9	13.4	27.9	17.6
08/02/06	9.8	0.0	10.4	10.7	25.3	12.9	24.5	9.3	24.0	11.7	25.4	15.1
08/03/06	9.8	0.0	11.3	13.5	28.1	15.9	27.5	9.6	26.7	13.3	25.1	15.1
08/04/06	9.9	0.0	10.8	12.8	30.2	16.5	28.7	9.8	27.6	13.6	24.3	16.2
08/05/06	9.9	0.0	11.4	14.0	30.8	17.0	30.9	10.2	30.4	16.4	31.4	21.3
08/06/06	9.9	0.0	11.2	13.2	31.0	18.1	30.8	10.0	31.9	17.0	29.2	19.3
08/07/06	10.0	0.0	11.8	14.7	29.2	16.0	29.0	9.6	30.5	16.0	31.1	21.4
08/08/06	10.0	0.0	10.7	15.7	30.1	16.8	28.2	9.5	27.8	15.4	27.2	17.5
08/09/06	10.0	0.0	11.9	12.5	30.6	18.1	29.7	10.0	28.2	15.2	28.6	19.1
08/10/06	10.1	0.0	---	---	30.1	18.1	31.8	10.5	29.8	17.2	28.5	18.9

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		
07/28/06	172.6	104.0	143.1	43.0	144.6	57.7	153.2	87.8	0.0	53.9
07/29/06	189.0	112.9	165.5	49.7	152.8	60.7	167.4	87.8	0.0	68.1
07/30/06	159.1	73.3	153.2	46.5	149.5	60.0	154.8	87.9	0.0	55.4
07/31/06	130.0	52.0	128.9	38.2	129.1	51.6	150.0	88.0	0.0	50.5
08/01/06	150.3	84.8	135.0	40.3	130.3	51.8	138.8	86.0	1.7	39.6
08/02/06	148.8	88.7	136.1	41.2	133.2	53.7	142.5	84.8	1.4	44.7
08/03/06	146.1	65.5	147.0	43.9	147.3	58.3	160.9	90.4	10.7	48.4
08/04/06	162.0	63.7	143.2	43.1	136.0	54.1	143.9	92.0	0.3	40.1
08/05/06	140.5	78.1	131.6	39.4	128.6	51.7	143.3	91.7	0.1	40.0
08/06/06	137.4	81.4	129.3	39.1	126.5	50.9	137.6	90.3	0.0	35.8
08/07/06	142.3	64.1	128.3	38.5	125.8	49.5	137.2	87.4	0.0	38.3
08/08/06	152.5	59.8	126.0	38.4	122.3	48.6	134.9	86.7	0.0	36.8
08/09/06	166.4	92.9	157.2	46.9	149.3	59.3	152.5	87.1	1.0	53.0
08/10/06	153.8	91.1	134.2	40.0	131.8	52.5	149.0	88.8	0.0	48.7

Gas Bubble Trauma Monitoring Results from Representative Sites on the Snake River and Columbia River

Site	Date	Species	Number of Fish	Number w GBT signs	Number w Fin Signs	% Fin GBT	% Severe Fin GBT	Number of Fish with Fin GBT Listed by Highest Rank			
								Rank 1	Rank 2	Rank 3	Rank 4
Little Goose Dam											
	08/01/06	Chinook + Steelhead	26	0	0	0.00%	0.00%	0	0	0	0
	08/08/06	Chinook + Steelhead	2	0	0	0.00%	0.00%	0	0	0	0
Lower Monumental Dam											
	08/07/06	Chinook + Steelhead	2	0	0	0.00%	0.00%	0	0	0	0
McNary Dam											
	08/03/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	08/07/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	08/01/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	08/04/06	Chinook + Steelhead	95	1	1	1.05%	0.00%	1	0	0	0
	08/08/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Rock Island Dam											
	08/03/06	Chinook + Steelhead	50	2	2	4.00%	0.00%	2	0	0	0
	08/07/06	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	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 Upper Columbia River Sites

Date	Hungry H. Dnst				Boundary				Grand Coulee				Grand C. Tlwr				Chief Joseph			
	24 h		12 h		#	24 h		12 h		#	24 h		12 h		#	24 h		12 h		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
7/28	107	108	108	24	116	116	117	14	113	113	114	24	112	113	117	14	113	114	114	24
7/29	107	108	108	24	116	117	117	24	112	113	113	24	112	114	118	24	113	113	114	24
7/30	108	108	108	24	116	116	116	24	112	112	113	24	111	112	117	24	112	112	112	24
7/31	107	107	107	11	116	117	117	24	111	112	112	24	111	112	115	24	111	111	112	24
8/1	---	---	---	0	116	116	116	24	111	111	112	24	110	111	111	24	111	111	112	24
8/2	100	100	100	1	114	115	115	24	111	111	111	24	110	111	115	24	111	112	112	24
8/3	---	---	---	0	114	115	116	24	111	111	112	24	110	111	115	24	111	111	112	24
8/4	108	108	108	5	114	114	115	24	111	111	111	24	110	112	116	24	111	111	112	24
8/5	107	108	109	24	113	113	113	17	110	111	111	24	111	111	114	17	110	111	112	24
8/6	106	107	107	24	113	114	115	24	109	110	111	24	112	113	116	24	111	111	111	24
8/7	107	108	108	24	113	114	114	24	110	110	111	24	110	111	114	24	111	112	113	24
8/8	107	107	108	24	113	113	114	24	109	110	110	24	110	111	116	24	111	111	112	24
8/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/10	105	105	106	9	111	111	112	18	108	108	108	10	109	110	116	18	109	109	110	24

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	Chief J. Dnst				Wells				Wells Dwnstrm				Rocky Reach				Rocky R. Tlwr			
	24 h		12 h		#	24 h		12 h		#	24 h		12 h		#	24 h		12 h		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
7/28	114	114	115	24	113	113	114	24	115	116	119	24	114	114	114	24	114	114	115	24
7/29	113	114	115	24	111	112	113	24	113	114	114	24	112	113	113	24	113	113	113	24
7/30	111	112	113	24	109	109	110	24	111	111	113	24	111	111	112	24	111	112	113	24
7/31	110	111	112	24	109	109	110	24	110	111	112	24	109	110	110	24	110	110	111	24
8/1	111	111	112	24	109	110	110	24	111	112	112	24	109	109	109	24	110	110	110	24
8/2	111	112	112	24	109	110	110	24	111	112	112	24	109	109	110	24	110	110	111	24
8/3	110	111	111	24	111	112	113	24	114	115	118	24	110	111	111	24	111	111	112	24
8/4	111	112	113	24	111	111	112	24	112	113	113	24	111	111	112	24	111	112	112	24
8/5	110	111	111	24	110	110	111	24	111	112	113	24	112	112	112	24	112	112	113	24
8/6	111	111	112	24	111	111	112	24	112	113	114	24	112	112	113	24	112	112	112	24
8/7	111	112	112	24	111	111	112	24	112	113	114	24	111	112	112	23	112	112	112	23
8/8	111	112	112	24	111	111	111	24	112	113	113	24	111	111	112	24	112	112	112	24
8/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/10	109	110	111	24	110	110	112	24	111	112	113	24	110	110	111	24	111	111	112	24

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	Rock Island				Rock I. Tlwr				Wanapum				Wanapum Tlwr				Priest Rapids			
	24 h		12 h		#	24 h		12 h		#	24 h		12 h		#	24 h		12 h		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
7/28	114	114	115	24	118	119	119	24	111	112	112	23	112	112	113	23	110	110	111	23
7/29	112	113	113	24	117	118	119	24	110	111	112	23	110	111	112	23	110	110	112	23
7/30	111	111	112	24	117	117	119	24	108	109	109	23	108	108	109	23	107	108	108	23
7/31	111	111	112	24	116	117	118	24	110	111	113	23	108	109	110	23	107	108	108	23
8/1	110	110	111	24	115	116	118	24	109	109	110	23	108	109	109	23	107	108	108	23
8/2	110	110	111	24	115	115	116	24	109	109	111	23	109	109	110	23	107	108	110	23
8/3	110	112	113	24	116	117	118	24	110	111	113	23	110	110	111	23	108	109	110	23
8/4	111	111	112	24	117	117	117	24	110	110	111	23	110	110	112	23	109	110	110	23
8/5	111	112	113	24	116	116	117	24	111	113	114	23	109	110	111	23	108	109	111	23
8/6	112	113	113	24	116	117	118	24	112	113	113	23	111	112	112	23	111	112	113	23
8/7	112	113	114	23	117	118	119	23	112	114	115	23	112	112	113	23	112	112	114	23
8/8	111	112	112	24	116	117	118	24	---	---	---	0	---	---	---	0	---	---	---	0
8/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/10	111	111	112	24	116	117	118	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>	#	<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
7/28	112	112	113	23	109	109	109	24	104	104	105	24	106	107	108	24	102	103	105	24
7/29	112	113	113	23	107	107	108	24	104	104	104	24	105	106	107	24	102	103	104	24
7/30	110	111	111	23	105	106	107	24	103	104	104	24	105	106	107	24	101	102	104	24
7/31	110	110	111	23	106	107	108	24	102	103	103	24	104	105	106	24	100	102	103	24
8/1	110	111	112	23	106	107	107	24	100	100	101	24	102	104	105	24	100	101	103	24
8/2	110	111	112	23	106	107	108	24	100	100	100	24	102	103	105	24	100	101	103	24
8/3	111	112	113	23	107	108	108	24	100	100	101	24	102	104	105	24	100	101	102	24
8/4	112	112	112	23	108	108	109	24	100	101	101	24	102	104	105	24	99	100	101	24
8/5	111	112	113	23	107	108	108	24	100	100	101	24	102	104	105	24	99	100	101	24
8/6	112	113	114	23	108	109	109	24	100	101	101	24	102	104	105	24	99	100	101	24
8/7	113	114	114	23	108	108	110	17	100	101	101	22	103	104	106	22	99	100	101	24
8/8	---	---	---	0	108	108	109	16	100	101	101	24	103	104	105	24	99	100	104	24
8/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/10	---	---	---	0	107	107	108	5	100	100	101	9	100	100	101	9	100	100	101	9

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>	#	<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
7/28	105	107	109	24	104	104	105	24	115	115	116	24	111	111	111	24	112	112	112	24
7/29	105	107	108	24	103	103	103	24	115	115	115	24	109	109	109	24	111	111	112	24
7/30	104	106	108	24	103	103	104	24	114	115	115	24	107	107	109	22	110	111	111	24
7/31	104	106	108	24	103	103	104	24	113	114	115	24	105	106	106	24	110	111	111	24
8/1	103	105	107	24	102	102	102	24	110	111	112	24	105	105	105	24	110	111	111	24
8/2	103	106	107	24	101	101	102	24	110	110	110	24	105	105	105	24	110	110	111	24
8/3	103	106	107	24	101	101	101	24	113	115	115	24	105	105	105	24	110	111	112	24
8/4	103	105	107	24	101	101	101	24	113	114	115	24	104	105	105	24	110	111	111	24
8/5	103	105	107	24	101	101	101	24	113	114	114	24	106	107	108	24	111	112	112	24
8/6	103	105	107	24	101	102	102	24	114	114	115	24	106	107	108	24	111	112	112	24
8/7	104	106	107	22	102	102	103	24	113	114	114	24	107	107	108	24	111	112	112	24
8/8	103	105	107	24	102	103	103	24	114	115	115	24	107	108	108	24	112	114	118	24
8/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/10	101	101	102	9	101	101	102	9	115	115	115	9	108	108	108	9	111	111	112	9

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>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg		Avg	High		Avg	Avg
7/28	109	110	110	24	115	117	118	24	112	113	113	24	111	112	114	24	---	---	---	0
7/29	109	109	109	24	116	116	116	24	111	111	112	24	113	114	115	24	---	---	---	0
7/30	106	107	108	24	115	116	116	23	108	109	111	24	112	113	113	24	---	---	---	0
7/31	105	106	106	24	116	116	116	24	106	106	107	24	113	113	114	24	---	---	---	0
8/1	105	105	106	24	114	116	116	24	106	106	106	24	112	113	113	24	---	---	---	0
8/2	105	105	105	24	113	113	114	24	106	106	106	24	110	111	111	24	---	---	---	0
8/3	105	106	106	24	114	115	117	24	107	107	108	24	110	111	111	24	---	---	---	0
8/4	106	107	107	24	114	115	118	24	108	108	109	24	111	112	114	24	---	---	---	0
8/5	106	107	107	24	115	116	116	24	109	110	110	24	113	114	114	24	---	---	---	0
8/6	106	107	108	24	115	115	116	22	110	110	111	24	112	112	113	24	---	---	---	0
8/7	107	108	109	24	116	116	118	24	111	111	112	24	113	114	114	24	---	---	---	0
8/8	107	108	108	24	115	116	118	24	111	111	111	24	112	113	114	24	---	---	---	0
8/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/10	107	107	107	9	115	115	116	9	111	111	111	8	111	111	112	8	---	---	---	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>	<u>24h</u>	<u>AVG</u>	<u>High</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>	<u>Avg</u>	<u>AVG</u>	<u>High</u>	<u>hr</u>
7/28	109	109	110	24	116	117	117	24	108	108	109	24	114	115	115	24	106	106	107	24
7/29	107	108	109	24	117	117	117	24	105	106	107	24	114	115	115	24	105	105	105	24
7/30	104	104	106	24	113	115	116	24	103	104	104	24	102	105	114	24	105	105	105	24
7/31	103	103	103	24	112	113	114	24	103	103	103	24	106	113	115	24	105	106	106	24
8/1	104	104	105	24	114	115	117	24	102	102	102	24	114	114	115	24	105	106	106	24
8/2	104	105	105	24	115	116	116	24	101	101	102	24	114	115	115	24	104	105	105	24
8/3	106	107	107	24	114	114	115	24	101	102	102	24	114	115	116	24	106	106	106	24
8/4	107	107	107	24	114	115	116	24	101	102	102	24	114	115	115	24	105	106	106	24
8/5	107	108	109	24	115	117	117	24	102	102	102	24	115	115	116	24	105	105	105	24
8/6	107	108	108	24	116	116	117	24	103	104	104	24	114	115	115	24	107	108	109	24
8/7	108	108	109	24	114	115	116	24	104	104	105	24	114	115	115	24	107	107	108	24
8/8	107	108	108	24	113	114	114	24	104	104	104	21	114	114	115	21	105	105	106	24
8/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/10	107	107	107	5	116	116	116	9	105	105	105	9	114	114	116	9	106	106	107	9

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>#</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>	<u>24h</u>	<u>AVG</u>	<u>High</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>	<u>Avg</u>	<u>AVG</u>	<u>High</u>	<u>hr</u>
7/28	112	113	113	24	104	104	105	24	---	---	---	0	108	110	112	24	118	118	118	17
7/29	111	111	112	24	103	104	104	24	---	---	---	0	110	111	113	24	118	118	118	17
7/30	111	112	112	24	103	104	104	24	---	---	---	0	109	111	112	24	117	117	117	17
7/31	112	113	113	24	105	105	105	24	---	---	---	0	111	113	115	24	117	117	118	17
8/1	112	112	112	24	105	105	105	24	---	---	---	0	111	112	113	24	117	117	118	17
8/2	112	112	113	24	104	104	105	24	---	---	---	0	112	113	114	24	117	117	118	17
8/3	113	114	114	24	104	105	105	20	---	---	---	0	111	113	115	20	117	117	118	13
8/4	112	113	113	24	104	104	105	24	---	---	---	0	111	112	114	24	117	117	118	17
8/5	113	113	113	24	105	105	106	24	---	---	---	0	113	115	116	24	117	117	119	17
8/6	114	115	115	24	107	107	108	24	---	---	---	0	114	116	117	24	117	117	118	17
8/7	114	114	115	24	108	108	109	24	---	---	---	0	114	115	116	24	117	117	118	17
8/8	112	112	112	24	105	105	107	24	---	---	---	0	111	113	114	24	117	117	118	17
8/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	118	118	119	12
8/10	112	112	113	9	105	105	105	9	---	---	---	0	112	112	114	9	117	117	117	2

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>

COMBINED YEARLING CHINOOK											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
07/28/2006	*	---	---	---	0	1	0	0	52	0	0
07/29/2006	*	---	---	---	0	0	9	0	0	0	0
07/30/2006	*	---	---	---	0	0	0	1	0	0	0
07/31/2006		---	---	---	0	0	0	0	0	0	0
08/01/2006	*	---	---	---	0	0	5	0	0	0	0
08/02/2006		---	---	---	0	0	0	0	0	0	32
08/03/2006	*	---	---	---	0	0	4	0	0	0	0
08/04/2006		---	---	---	0	0	0	0	0	0	0
08/05/2006	*	---	---	---	0	2	0	0	0	0	0
08/06/2006		---	---	---	0	0	0	0	0	0	0
08/07/2006	*	---	---	---	0	0	0	0	0	0	0
08/08/2006		---	---	---	0	0	0	0	0	0	0
08/09/2006	*	---	---	---	0	0	0	0	0	0	0
08/10/2006		---	---	---	0	0	0	0	0	0	0
08/11/2006		---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:	0	0	0	0	0	3	18	1	52	0	32
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	0	0	1	0	4	0	2
YTD	30,897	25,910	13,056	18,995	3,692,699	4,182,426	1,439,249	37,267	1,560,846	2,250,569	2,256,364

COMBINED SUBYEARLING CHINOOK											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
07/28/2006	*	---	---	---	631	499	162	170	24,619	0	6,528
07/29/2006	*	---	---	---	347	374	123	309	9,317	13,930	4,503
07/30/2006	*	---	---	---	281	168	60	249	18,367	0	3,944
07/31/2006		---	---	---	519	287	83	172	22,134	11,979	3,879
08/01/2006	*	---	---	---	288	173	71	320	28,723	0	2,675
08/02/2006		---	---	---	216	365	20	148	20,929	6,034	3,669
08/03/2006	*	---	---	---	133	138	32	146	8,336	0	5,060
08/04/2006		---	---	---	112	265	21	164	18,587	7,424	4,762
08/05/2006	*	---	---	---	135	502	62	79	28,093	0	1,731
08/06/2006		---	---	---	317	450	13	120	17,753	13,170	2,165
08/07/2006	*	---	---	---	299	223	83	159	22,502	0	1,951
08/08/2006		---	---	---	258	236	26	90	7,600	8,116	2,194
08/09/2006	*	---	---	---	202	53	5	50	6,900	0	2,218
08/10/2006		---	---	---	206	28	42	55	4,892	9,589	2,469
08/11/2006		---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:	0	0	0	0	3,944	3,761	803	2,231	238,752	70,242	47,748
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	282	269	57	159	17,054	5,017	3,411
YTD	3	30	15	291	745,870	1,127,644	357,278	31,325	4,021,150	2,805,599	3,832,120

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)
07/28/2006	*	---	---	---	---	0	0	0	5	0	0	0
07/29/2006	*	---	---	---	---	0	1	0	1	0	144	0
07/30/2006	*	---	---	---	---	0	0	0	3	0	0	0
07/31/2006		---	---	---	---	0	0	0	0	0	0	0
08/01/2006	*	---	---	---	---	0	0	0	1	0	0	0
08/02/2006		---	---	---	---	0	0	0	1	0	0	0
08/03/2006	*	---	---	---	---	4	0	0	0	0	0	0
08/04/2006		---	---	---	---	0	0	0	1	0	0	0
08/05/2006	*	---	---	---	---	0	2	0	3	0	0	0
08/06/2006		---	---	---	---	2	0	0	2	0	0	0
08/07/2006	*	---	---	---	---	0	0	0	3	0	0	0
08/08/2006		---	---	---	---	4	2	0	3	0	0	0
08/09/2006	*	---	---	---	---	0	2	0	3	0	0	0
08/10/2006		---	---	---	---	0	0	0	0	0	0	0
08/11/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	0	10	7	0	26	0	144	0
# Days:		0	0	0	0	14	14	14	14	14	14	14
Average:		0	0	0	0	1	1	0	2	0	10	0
YTD		0	0	0	49	86,152	133,019	33,976	61,278	102,165	316,789	657,541

		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)
07/28/2006	*	---	---	---	---	4	0	0	0	0	0	0
07/29/2006	*	---	---	---	---	0	3	0	1	26	0	0
07/30/2006	*	---	---	---	---	0	1	0	0	0	0	0
07/31/2006		---	---	---	---	0	4	0	0	0	0	0
08/01/2006	*	---	---	---	---	0	0	0	0	0	0	0
08/02/2006		---	---	---	---	0	2	0	0	0	0	0
08/03/2006	*	---	---	---	---	0	0	0	1	0	0	0
08/04/2006		---	---	---	---	0	0	4	1	0	0	0
08/05/2006	*	---	---	---	---	0	0	0	0	0	0	0
08/06/2006		---	---	---	---	0	2	4	0	0	0	0
08/07/2006	*	---	---	---	---	0	0	0	3	0	0	0
08/08/2006		---	---	---	---	0	2	0	0	0	0	0
08/09/2006	*	---	---	---	---	0	0	0	0	0	0	0
08/10/2006		---	---	---	---	0	0	0	1	0	0	0
08/11/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	0	4	14	8	7	26	0	0
# Days:		0	0	0	0	14	14	14	14	14	14	14
Average:		0	0	0	0	0	1	1	1	2	0	0
YTD		1,970	19,014	9,317	3,068	4,483,419	4,376,049	1,265,450	26,926	446,260	1,682,235	271,624

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)
07/28/2006	*	---	---	---	---	0	0	0	9	79	0	0
07/29/2006	*	---	---	---	---	0	0	0	10	26	144	0
07/30/2006	*	---	---	---	---	0	0	0	4	123	0	47
07/31/2006		---	---	---	---	0	0	0	1	0	0	27
08/01/2006	*	---	---	---	---	0	2	0	6	35	0	56
08/02/2006		---	---	---	---	0	0	0	3	52	0	0
08/03/2006	*	---	---	---	---	0	0	0	6	103	0	0
08/04/2006		---	---	---	---	0	0	0	4	34	57	0
08/05/2006	*	---	---	---	---	0	0	0	3	0	0	0
08/06/2006		---	---	---	---	0	0	0	6	26	29	0
08/07/2006	*	---	---	---	---	0	0	0	3	128	0	0
08/08/2006		---	---	---	---	0	0	0	3	17	0	0
08/09/2006	*	---	---	---	---	0	0	0	3	34	0	0
08/10/2006		---	---	---	---	0	2	0	3	13	0	0
08/11/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	0	0	4	0	64	670	230	130
# Days:		0	0	0	0	14	14	14	14	14	14	14
Average:		0	0	0	0	0	0	0	5	48	16	9
YTD		13	0	0	679	51,861	92,637	40,235	34,562	496,866	529,246	407,753

* 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:

8/11/06 9:48 AM

07/28/06 TO 08/11/06

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	1,735			5		1,740
	Sum of NumberBarged	1,946			5		1,951
	Sum of NumberBypassed	0			0		0
	Sum of Numbertrucked	0			0		0
	Sum of SampleMorts	17			0		17
	Sum of FacilityMorts	7			0		7
	Sum of ResearchMorts	0			0		0
	Sum of TotalProjectMorts	24			0		24
LGS	Sum of NumberCollected	2,482	2	4	2	9	2,499
	Sum of NumberBarged	2,741	1	4	1	9	2,756
	Sum of NumberBypassed	1	0	0	0	0	1
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	21	1	0	0	1	23
	Sum of FacilityMorts	0	0	0	0	0	0
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	21	1	0	0	1	23
LMN	Sum of NumberCollected	377	8			4	389
	Sum of NumberBarged	395	6			4	405
	Sum of NumberBypassed	60	2			0	62
	Sum of Numbertrucked	0	0			0	0
	Sum of SampleMorts	11	0			0	11
	Sum of FacilityMorts	15	0			0	15
	Sum of ResearchMorts	0	0			0	0
	Sum of TotalProjectMorts	26	0			0	26
MCN	Sum of NumberCollected	114,214	20		283	10	114,527
	Sum of NumberBarged	88,896	20		242	10	89,168
	Sum of NumberBypassed	24,313	0		40	0	24,353
	Sum of Numbertrucked	0	0		0	0	0
	Sum of SampleMorts	92	0		1	0	93
	Sum of FacilityMorts	883	0		0	0	883
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	975	0		1	0	976
Total Sum of NumberCollected		118,808	30	9	285	23	119,155
Total Sum of NumberBarged		93,978	27	9	243	23	94,280
Total Sum of NumberBypassed		24,374	2	0	40	0	24,416
Total Sum of Numbertrucked		0	0	0	0	0	0
Total Sum of SampleMorts		141	1	0	1	1	144
Total Sum of FacilityMorts		905	0	0	0	0	905
Total Sum of ResearchMorts		0	0	0	0	0	0
Total Sum of TotalProjectMorts		1,046	1	0	1	1	1,049

YTD Transportation Summary

Source: Fish Passage Center

Updated:

8/11/06 9:48 AM

TO: 08/11/06

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	478,068	2,407,709	51,165	32,615	2,820,593	5,790,150
	Sum of NumberBarged	459,012	1,964,112	46,807	25,789	2,467,171	4,962,891
	Sum of NumberBypassed	17,386	437,073	4,214	6,237	352,045	816,955
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	271	203	2	30	100	606
	Sum of FacilityMorts	1,276	6,010	140	558	1,220	9,204
	Sum of ResearchMorts	41	311	2	1	57	412
	Sum of TotalProjectMorts	1,588	6,524	144	589	1,377	10,222
LGS	Sum of NumberCollected	766,842	3,131,211	88,080	63,225	3,228,555	7,277,913
	Sum of NumberBarged	756,055	2,746,888	86,462	53,002	2,634,376	6,276,783
	Sum of NumberBypassed	4,265	376,348	1,524	8,895	591,417	982,449
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	175	137	0	23	21	356
	Sum of FacilityMorts	2,989	5,761	94	1,304	739	10,887
	Sum of ResearchMorts	23	22	0	0	1	46
	Sum of TotalProjectMorts	3,187	5,920	94	1,327	761	11,289
LMN	Sum of NumberCollected	248,966	1,096,139	23,183	27,781	935,552	2,331,621
	Sum of NumberBarged	242,081	1,060,701	23,024	27,011	883,887	2,236,704
	Sum of NumberBypassed	6,320	34,453	159	576	51,011	92,519
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	154	47	0	9	34	244
	Sum of FacilityMorts	394	938	0	185	620	2,137
	Sum of ResearchMorts	1	0	0	0	0	1
	Sum of TotalProjectMorts	549	985	0	194	654	2,382
MCN	Sum of NumberCollected	2,077,695	830,092	47,855	253,005	232,043	3,440,690
	Sum of NumberBarged	979,918	316	100	909	69	981,312
	Sum of NumberBypassed	1,089,978	828,856	47,736	251,700	231,814	2,450,084
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	404	117	1	29	13	564
	Sum of FacilityMorts	7,170	761	15	350	141	8,437
	Sum of ResearchMorts	196	42	3	17	6	264
	Sum of TotalProjectMorts	7,770	920	19	396	160	9,265
Total Sum of NumberCollected		3,571,571	7,465,151	210,283	376,626	7,216,743	18,840,374
Total Sum of NumberBarged		2,437,066	5,772,017	156,393	106,711	5,985,503	14,457,690
Total Sum of NumberBypassed		1,117,949	1,676,730	53,633	267,408	1,226,287	4,342,007
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		1,004	504	3	91	168	1,770
Total Sum of FacilityMorts		11,829	13,470	249	2,397	2,720	30,665
Total Sum of ResearchMorts		261	375	5	18	64	723
Total Sum of TotalProjectMorts		13,094	14,349	257	2,506	2,952	33,158

Cumulative Adult Passage at Mainstem Dams Through: 08/10

DAM	EndDate	Spring Chinook						Summer Chinook						Fall Chinook					
		2006		2005		10-Yr Avg.		2006		2005		10-Yr Avg.		2006		2005		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	08/10	96,456	2,908	74,038	4,288	151,682	8,418	97,519	4,355	79,208	4,495	61,165	7,724	4,323	559	2,758	345	4,875	738
TDA	08/10	61,827	2,176	60,964	3,210	104,618	6,110	81,219	3,620	69,650	3,486	53,046	5,654	2,518	296	1,427	95	1,996	407
JDA	08/10	50,313	2,093	56,027	2,715	87,807	4,857	73,837	4,150	64,034	5,405	49,520	5,613	1,410	237	790	105	950	282
MCN	08/09	45,355	2,475	51,855	3,201	80,814	5,125	62,422	3,387	63,779	3,079	49,097	5,314	163	19	143	15	190	41
IHR	08/09	25,465	843	28,039	1,267	54,334	3,256	8,630	551	8,790	984	11,022	1,887	0	0	0	0	0	0
LMN	08/09	23,596	551	25,933	1,002	51,936	3,032	9,911	501	8,298	794	10,470	1,540	0	0	0	0	0	0
LGS	08/09	20,839	745	23,995	923	49,856	3,088	8,136	578	6,926	968	9,096	1,812	0	0	0	0	0	0
LGR	08/09	22,963	984	26,028	1,258	49,902	3,362	8,071	705	6,670	1,065	9,179	1,983	0	0	0	0	0	0
PRD	08/08	8,535	81	14,148	515	16,757	523	55,868	474	60,894	1,898	43,070	1,891	0	0	0	0	0	0
RIS	08/08	9,245	473	11,908	504	13,259	737	56,467	1,759	51,851	2,296	38,275	4,129	0	0	0	0	0	0
RRH	08/08	5,376	274	4,568	417	4,860	283	37,752	1,473	39,474	2,046	27,608	2,610	0	0	0	0	0	0
WEL	08/08	4,043	214	4,897	99	3,488	193	20,360	938	25,789	504	18,892	931	0	0	0	0	0	0
WFA	08/09	34,649	167	35,435	1,179	3,480	87	0	0	0	0	0	0	0	0	0	0	0	0

DAM	Coho						Sockeye			Steelhead			
	2006		2005		10-Yr Avg.		10-Yr			10-Yr			Wild
	Adult	Jack	Adult	Jack	Adult	Jack	2006	2005	Avg.	2006	2005	Avg.	2006
BON	79	10	1	0	34	1	37,030	72,929	60,116	107,945	140,311	147,586	38,124
TDA	7	2	1	0	0	0	29,991	65,241	50,280	26,685	45,972	59,051	11,099
JDA	5	7	0	0	2	0	35,347	69,737	54,228	25,225	35,156	41,822	8,693
MCN	0	0	0	0	0	0	29,173	63,492	46,903	14,727	27,190	29,505	4,682
IHR	1	1	0	0	0	0	51	18	27	6,938	9,644	14,030	1,688
LMN	0	0	0	0	0	0	13	18	29	7,901	8,740	11,743	1,869
LGS	0	0	0	0	0	0	21	13	33	4,241	5,043	7,575	1,299
LGR	0	0	0	0	0	0	15	18	34	8,899	7,864	10,329	2,624
PRD	0	0	6	2	5	0	26,700	74,470	58,395	1,685	2,965	3,286	0
RIS	0	0	2	0	1	0	34,720	70,925	53,128	1,104	2,527	2,317	652
RRH	0	0	0	0	1	0	25,188	55,018	37,074	811	1,738	1,542	429
WEL	0	0	0	0	0	0	21,393	52,330	35,794	288	690	747	150
WFA	0	0	0	0	0	0	0	0	0	28,318	19,109	1,805	0

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

*PRD is not posting 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: 08/11/06

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

Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
1	0	2,516	238

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

Steelhead
1,225

