



Fish Passage Center Weekly Report #06 - 24

August 18, 2006

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 3% and 68% of average at individual sub-basins over the first half of August. Precipitation above The Dalles over August has been 50% 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 1-14		Water Year 2006 October 1, 2005 to August 14, 2006	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.46	60	23.99	104
Snake River Above Ice Harbor	0.17	44	19.2	117
Columbia Above The Dalles	0.27	50	23.1	108
Kootenai	0.52	68	25.73	109
Clark Fork	0.18	31	17.49	109
Flathead	0.35	48	23.51	111
Pend Oreille/Spokane	0.18	31	32.16	111
Central Washington	0.00	3	11.04	130
Snake River Plain	0.09	35	12.17	116
Salmon/Boise/ Payette	0.04	12	24.01	128
Clearwater	0.19	36	29.95	104
SW Washington Cascades/Cowlitz	0.06	9	66.49	98
Willamette Valley	0.02	4	61.3	107

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 1282.0 feet (8-17-06) and has drafted 0.7 feet over the last week. Grand Coulee's end of August draft target is 1280 feet. Outflow has ranged between 69 and 113 Kcfs.

The Libby Reservoir is currently at elevation 2448.2 feet (8-17-06) and drafted 1.8 feet last week. Outflows are currently 14 Kcfs.

Hungry Horse is currently at an elevation of 3549.1 feet (8-17-06) and has drafted approximately 1.0 foot in the last week. Hungry Horse outflows have been approximately 3.1 Kcfs.

Dworshak is currently at an elevation of 1547.2 feet (8-17-06) and drafted approximately 7.6 feet last week. Outflows at Dworshak are currently 10.2 Kcfs (full powerhouse flow) and are expected to stay at this outflow until August 22nd, 2006.

The Brownlee Reservoir was at an elevation of 2058.6 feet on Aug 17th, 2006. Outflows at Hells Canyon have ranged between 9.0 and 13.2 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 17 flows have averaged 40.3 Kcfs at Lower Granite, over the last week flows have averaged 27.4 Kcfs at Lower Granite. Between July 1 and Aug 17, flows at McNary have averaged 171.7 Kcfs; over the last week flows have averaged 127.7 Kcfs.

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%, 31%, 53%, and 60%, of average daily flow over the past week, respectively. Spill at Lower Granite was provided 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 mini-

um powerhouse flows. 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 46%, 30%, 40%, and 65% 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 project minimum flows. All water above project minimum flow was spilled.

Total dissolved gas levels have met the TDG waiver requirements over the past week. No fish were observed with signs of GBT over the past week.

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. Subyearling indices decreased at almost all sites over the past week.

At Lower Granite Dam, subyearling Chinook indices averaged roughly 175 per day over the past week compared to 200 per day the previous week, while at Little Goose and Lower Monumental Dam the subyearling index averaged 70 and 50 (respectively) per day this week.

At Rock Island Dam indices for subyearlings averaged 50 per day this week compared to 100 per day last week. At McNary Dam, subyearling indices were down, averaging 3,700 this week compared to 15,000 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 1,100 per day this week compared to 5,000 per day last week. At Bonneville Dam subyearling indices also decreased with this weeks' average index at 1,400 per day, compared to 2,500 fish per day last week. Bonneville sampling has also been altered due to high temperatures. When temperatures are at or above 70, sampling crews will work up fish more frequently to reduce holding time at the site.

Adult Fish Passage: At Bonneville dam, daily counts of fall Chinook began on August 1st, over the last week daily counts have ranged between 268 and 729 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 17th) with the majority moving upstream into the Mid-Columbia River. Daily counts at Rock Island Dam ranged between 242 and 403 during the last week.

At Bonneville Dam, steelhead counts averaged 4,956 per day between August 11th and August 17th. Through August 17th, the steelhead run at Bonneville Dam was 142,635 fish, 87% and 81% of the respective 2005 and 10-year average counts. The daily counts at The Dalles Dam ranged between 586 and 1311 for the week with the cumulative steelhead count through August 17th at 33,406. About 23% of the steelhead counted at Bonneville Dam has passed The Dalles Dam. The majority of the 17,535 steelhead counted at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor Dam now at 7,882 for the season. The cumulative count at Rock Island Dam is 1,542 for the season.

Adult sockeye salmon passage at Bonneville Dam averaged 3 fish per day through the week with the count at Bonneville through August 17th at 37,051, about 51% and 62% of the respective 2005 and 10-year average counts. About 34,834 of the adult sockeye have been counted at Rock Island 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 through the end of August.

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
08/04/06	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
08/11/06	88.0	0.2	90.0	0.0	91.8	7.1	90.5	7.2	92.5	15.9	85.5	1.6	82.0	22.2
08/12/06	69.0	0.1	65.1	0.0	70.1	6.5	68.1	0.0	70.1	0.1	73.4	1.8	74.0	22.7
08/13/06	74.2	0.1	72.6	0.0	71.8	6.7	66.9	0.0	68.8	0.0	71.1	2.0	64.0	7.0
08/14/06	113.0	0.2	112.2	0.0	113.7	8.3	109.6	0.0	109.2	0.0	106.6	2.0	103.2	1.0
08/15/06	95.2	0.1	101.3	0.0	102.4	7.0	101.9	0.0	103.4	0.0	117.5	1.3	115.7	1.0
08/16/06	105.9	0.1	98.5	0.0	99.8	6.9	95.7	0.0	97.0	0.0	95.6	1.8	95.1	0.8
08/17/06	98.4	0.2	103.0	0.0	114.1	7.2	107.7	0.0	107.9	0.0	112.1	1.9	105.6	1.0

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
08/04/06	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	13.0	15.7	30.1	18.1	31.8	10.5	29.8	17.2	28.5	18.9
08/11/06	10.1	0.0	11.7	9.6	29.8	18.1	30.6	9.7	31.3	19.1	30.3	20.1
08/12/06	10.1	0.0	10.8	9.0	25.7	14.0	26.1	8.5	26.7	14.3	28.9	18.7
08/13/06	10.1	0.0	11.0	9.1	26.6	14.9	23.8	7.4	22.9	10.5	20.7	10.5
08/14/06	10.1	0.0	12.9	13.1	25.6	13.8	24.5	7.4	24.0	11.7	22.8	12.7
08/15/06	10.2	0.0	10.5	13.2	28.2	15.8	26.8	8.4	25.7	13.4	24.9	14.7
08/16/06	10.2	0.0	10.5	9.8	29.2	17.6	30.2	9.5	29.8	17.3	32.3	22.0
08/17/06	10.2	0.0	---	---	27.0	15.1	24.9	7.4	25.2	12.8	22.1	12.1

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		
08/04/06	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
08/11/06	136.5	60.4	126.4	37.6	127.9	51.2	134.9	88.9	0.0	34.5
08/12/06	123.6	48.6	117.4	35.8	113.4	46.0	126.4	83.5	0.0	31.5
08/13/06	115.9	60.2	98.1	29.8	100.6	40.1	125.7	82.6	0.0	31.6
08/14/06	96.7	42.6	104.6	31.6	100.4	39.2	122.5	79.7	0.0	31.3
08/15/06	136.2	60.8	110.1	33.3	104.7	41.5	119.1	76.5	0.0	31.2
08/16/06	152.5	61.6	132.6	40.5	128.9	51.7	122.4	79.5	0.0	31.4
08/17/06	132.7	74.4	127.0	38.2	120.8	48.1	132.4	85.7	0.0	35.3

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											
	08/08/06	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											
	08/07/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	08/08/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	08/11/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	08/15/06	Chinook + Steelhead	86	0	0	0.00%	0.00%	0	0	0	0
Rock Island Dam											
	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	<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>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>	
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	105	106	106	24	111	112	112	24	108	108	108	24	109	110	114	24	110	111	111	24
8/10	105	105	106	9	111	111	112	18	108	108	108	10	109	110	116	18	109	109	110	24
8/11	107	107	109	12	112	113	117	24	108	108	109	12	108	110	115	24	108	108	109	24
8/12	107	107	108	19	109	110	111	24	108	108	108	24	109	110	115	24	108	108	109	24
8/13	106	107	107	24	111	111	112	24	108	109	109	24	108	110	115	24	108	108	109	24
8/14	107	107	108	24	112	112	113	24	109	110	110	24	109	110	113	24	108	109	109	24
8/15	107	108	108	24	112	112	113	18	109	110	110	24	109	109	112	18	109	110	110	24
8/16	106	106	107	24	111	112	113	24	109	109	109	24	108	109	112	24	109	110	110	24
8/17	105	105	106	24	107	108	111	24	108	109	110	24	107	108	111	24	107	108	108	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>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>	
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	110	111	112	24	110	110	111	24	112	112	113	24	110	110	111	24	111	111	112	24
8/10	109	110	111	24	110	110	112	24	111	112	113	24	110	110	111	24	111	111	112	24
8/11	108	109	109	24	108	108	109	24	110	110	112	24	110	110	111	24	110	110	111	24
8/12	108	109	111	24	108	108	109	24	109	109	110	24	109	110	110	24	109	109	110	24
8/13	108	109	109	24	108	109	109	24	109	110	110	24	109	110	110	23	109	110	110	24
8/14	108	109	110	24	108	109	109	24	110	111	111	24	109	109	110	24	109	109	110	24
8/15	109	110	111	24	108	109	110	24	110	111	112	24	109	109	110	24	109	109	110	24
8/16	110	110	111	24	108	109	109	24	110	110	111	24	109	109	109	24	109	109	110	24
8/17	108	109	109	24	108	109	109	24	110	110	111	24	108	109	109	24	109	109	109	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>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>	
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	110	110	111	23	110	111	112	23	110	110	111	20
8/9	111	112	113	24	116	117	117	24	109	110	112	23	109	110	110	23	108	108	108	21
8/10	111	111	112	24	116	117	118	24	110	111	112	23	110	110	111	23	107	108	108	23
8/11	110	110	111	24	114	115	117	24	108	109	109	23	108	108	108	23	107	107	108	23
8/12	110	110	111	24	110	111	114	24	109	111	112	23	109	109	109	23	107	108	109	23
8/13	109	109	110	24	109	110	110	24	110	111	114	23	109	110	110	23	108	109	111	23
8/14	109	110	110	24	110	110	110	24	112	113	114	23	111	111	112	23	109	110	112	23
8/15	109	109	110	24	109	109	110	24	---	---	---	0	---	---	---	0	---	---	---	0
8/16	108	109	110	24	108	109	110	24	108	109	110	23	107	108	108	23	107	107	108	23
8/17	108	109	109	24	108	108	109	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>#</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>		
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	hr	
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	112	113	113	23	108	108	109	16	100	101	101	24	103	104	105	24	99	100	104	24
8/9	111	111	112	23	107	108	109	24	100	101	101	24	---	---	---	0	102	103	105	24
8/10	111	111	112	23	107	107	108	5	100	100	101	9	100	100	101	9	100	100	101	9
8/11	110	111	113	23	105	105	106	9	100	100	100	9	100	100	101	9	100	100	100	9
8/12	110	111	111	23	106	107	108	24	100	101	101	24	---	---	---	0	101	103	104	24
8/13	109	110	110	23	106	107	108	24	100	101	101	24	---	---	---	0	101	103	105	24
8/14	109	110	111	23	107	107	108	24	101	101	102	24	102	103	104	24	102	103	105	24
8/15	---	---	---	0	106	107	108	24	101	101	102	24	101	102	104	24	101	102	104	24
8/16	107	107	108	23	105	106	106	24	101	101	101	24	101	102	104	24	100	101	102	24
8/17	---	---	---	0	104	104	104	24	100	100	101	24	101	102	103	24	101	102	103	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>	<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>24 h</u>	<u>12 h</u>	<u>#</u>		
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	hr	
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	103	105	107	24	101	102	102	24	115	115	116	24	108	109	109	24	111	112	113	24
8/10	101	101	102	9	101	101	102	9	115	115	115	9	108	108	108	9	111	111	112	9
8/11	100	100	101	9	102	102	102	9	114	114	115	9	107	107	108	9	110	110	111	9
8/12	103	105	106	24	101	101	102	24	112	113	115	24	106	107	107	24	110	111	111	24
8/13	103	105	106	24	101	101	101	24	113	113	114	24	106	106	107	24	110	110	111	24
8/14	103	105	106	24	101	101	102	24	112	113	113	24	107	108	108	24	110	111	112	24
8/15	102	104	105	24	101	101	101	20	113	114	115	20	108	109	109	24	110	111	111	24
8/16	102	103	104	24	100	101	101	24	114	115	115	24	108	108	109	24	112	114	120	24
8/17	102	104	106	24	101	101	101	24	112	112	115	22	107	108	109	24	112	113	118	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>#</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>		
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	hr	
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	107	108	109	24	115	116	116	24	110	111	111	24	113	114	114	24	---	---	---	0
8/10	107	107	107	9	115	115	116	9	111	111	111	8	111	111	112	8	---	---	---	0
8/11	108	108	108	9	117	117	117	9	110	110	111	11	113	113	113	11	---	---	---	0
8/12	108	108	108	24	114	116	117	24	110	110	110	24	113	114	114	24	---	---	---	0
8/13	108	108	108	24	112	113	113	24	110	110	110	24	110	111	112	24	---	---	---	0
8/14	108	108	108	24	113	113	114	24	110	111	111	24	110	110	111	24	---	---	---	0
8/15	108	108	108	24	114	114	116	24	111	111	112	24	110	111	112	24	---	---	---	0
8/16	107	108	108	24	115	117	120	24	111	111	112	24	113	113	114	24	---	---	---	0
8/17	106	107	107	24	114	115	117	24	110	110	111	24	111	112	113	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>	<u>24h</u>	<u>AVG</u>	<u>High</u>	<u>#</u>	
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
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	107	107	107	24	115	116	117	24	104	105	105	24	115	116	118	24	104	105	105	24
8/10	107	107	107	5	116	116	116	9	105	105	105	9	114	114	116	9	106	106	107	9
8/11	105	105	105	9	114	114	115	9	104	104	105	11	113	113	114	11	105	105	106	11
8/12	105	106	106	24	112	113	114	24	103	104	104	24	114	115	115	24	105	106	106	24
8/13	106	106	107	24	114	115	116	24	104	104	104	24	113	114	114	24	107	108	108	24
8/14	105	106	107	24	113	113	115	24	105	105	105	24	114	114	115	24	108	108	108	24
8/15	107	107	108	24	114	114	115	24	103	103	104	24	113	114	114	24	106	106	107	24
8/16	106	106	107	24	113	113	114	24	102	102	103	24	113	115	115	24	103	103	104	24
8/17	105	105	106	24	114	116	116	24	101	102	102	24	113	114	115	24	103	103	103	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>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
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	112	112	112	24	104	104	105	24	---	---	---	0	113	114	115	24	117	118	119	24
8/10	112	112	113	9	105	105	105	9	---	---	---	0	112	112	114	9	117	117	117	2
8/11	112	112	112	11	104	104	104	11	---	---	---	0	109	109	110	11	117	117	117	4
8/12	112	113	113	24	104	104	104	24	---	---	---	0	112	113	115	24	117	117	118	24
8/13	113	114	114	24	105	105	106	24	---	---	---	0	114	115	116	24	117	117	118	24
8/14	113	113	114	24	107	107	108	24	---	---	---	0	114	115	116	24	116	116	117	17
8/15	112	112	112	24	106	106	107	24	---	---	---	0	111	111	112	24	116	117	118	17
8/16	110	111	111	24	103	104	104	24	---	---	---	0	111	111	112	24	116	117	118	17
8/17	111	112	112	24	102	102	102	24	---	---	---	0	112	113	114	24	116	117	118	17

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/currentsmptsubmitdata.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)
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	*	---	---	---	0	0	0	0	0	0	0
08/12/2006	*	---	---	---	0	0	0	0	0	0	0
08/13/2006	*	---	---	---	0	0	0	0	0	0	0
08/14/2006	*	---	---	---	0	0	0	0	22	0	0
08/15/2006	*	---	---	---	0	0	0	0	2	0	0
08/16/2006		---	---	---	0	1	0	0	0	0	0
08/17/2006	*	---	---	---	0	0	0	0	0	0	0
08/18/2006		---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:	0	0	0	0	0	3	0	0	24	0	0
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	0	0	0	0	2	0	0
YTD	30,897	25,910	13,056	18,995	3,692,699	4,182,427	1,439,249	37,267	1,560,870	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)
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	*	---	---	---	295	58	48	48	4,539	0	4,524
08/12/2006	*	---	---	---	325	173	79	38	4,229	3,451	1,731
08/13/2006	*	---	---	---	71	56	29	43	3,871	0	660
08/14/2006	*	---	---	---	159	34	43	50	5,658	1,690	539
08/15/2006	*	---	---	---	88	53	40	74	3,235	0	646
08/16/2006		---	---	---	122	58	29	72	2,124	2,784	887
08/17/2006	*	---	---	---	153	53	50	38	2,380	0	627
08/18/2006		---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:	0	0	0	0	2,742	2,242	570	1,080	132,363	46,224	27,104
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	196	160	41	77	9,455	3,302	1,936
YTD	3	30	15	291	747,083	1,128,129	357,596	31,688	4,047,186	2,813,524	3,841,734

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)
08/04/2006	---	---	---	---	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	*	---	---	---	0	0	0	0	0	0	0
08/12/2006	*	---	---	---	3	0	0	0	0	0	0
08/13/2006	*	---	---	---	2	0	0	1	0	0	0
08/14/2006	*	---	---	---	5	0	0	1	0	0	0
08/15/2006	*	---	---	---	0	0	0	0	0	0	0
08/16/2006		---	---	---	0	0	0	0	0	0	0
08/17/2006	*	---	---	---	0	0	0	0	0	0	0
08/18/2006		---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:	0	0	0	0	16	6	0	17	0	0	0
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	1	0	0	1	0	0	0
YTD	0	0	0	49	86,162	133,019	33,976	61,280	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)
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	*	---	---	---	3	0	0	0	0	0	0
08/12/2006	*	---	---	---	0	1	0	1	0	0	0
08/13/2006	*	---	---	---	0	1	0	1	0	0	0
08/14/2006	*	---	---	---	2	0	0	0	0	0	0
08/15/2006	*	---	---	---	0	0	0	0	0	0	0
08/16/2006		---	---	---	2	0	0	0	0	0	0
08/17/2006	*	---	---	---	0	0	0	0	0	0	0
08/18/2006		---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:	0	0	0	0	7	6	8	7	0	0	0
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	1	0	1	1	0	0	0
YTD	1,970	19,014	9,317	3,068	4,483,426	4,376,051	1,265,450	26,928	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)
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	*	---	---	---	0	0	0	0	0	0	0
08/12/2006	*	---	---	---	0	0	2	8	25	0	0
08/13/2006	*	---	---	---	0	0	0	2	8	0	0
08/14/2006	*	---	---	---	0	0	0	2	22	0	0
08/15/2006	*	---	---	---	0	0	0	6	10	0	0
08/16/2006		---	---	---	0	0	0	2	9	0	0
08/17/2006	*	---	---	---	0	0	0	1	35	0	0
08/18/2006		---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:	0	0	0	0	0	2	2	46	361	86	0
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	0	0	0	3	26	6	0
YTD	13	0	0	679	51,861	92,637	40,237	34,583	496,975	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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Two Week Transportation Summary

Source: Fish Passage Center

Updated:

8/18/06 9:14 AM

08/04/06 TO 08/18/06

		Species						
Site	Data	CH0	CH1	CO	SO	ST	Grand Total	
LGR	Sum of NumberCollected	1,141			7	3	1,151	
	Sum of NumberBarged	912			5	0	917	
	Sum of NumberBypassed	0			0	0	0	
	Sum of Numbertrucked	216			2	2	220	
	Sum of SampleMorts	10			0	1	11	
	Sum of FacilityMorts	3			0	0	3	
	Sum of ResearchMorts	0			0	0	0	
	Sum of TotalProjectMorts	13			0	1	14	
LGS	Sum of NumberCollected	1,485			3	4	1,492	
	Sum of NumberBarged	1,339			3	4	1,346	
	Sum of NumberBypassed	10			0	0	10	
	Sum of Numbertrucked	124			0	0	124	
	Sum of SampleMorts	12			0	0	12	
	Sum of FacilityMorts	0			0	0	0	
	Sum of ResearchMorts	0			0	0	0	
	Sum of TotalProjectMorts	12			0	0	12	
LMN	Sum of NumberCollected	255				1	4	260
	Sum of NumberBarged	163				1	4	168
	Sum of NumberBypassed	9				0	0	9
	Sum of Numbertrucked	69				0	0	69
	Sum of SampleMorts	7				0	0	7
	Sum of FacilityMorts	7				0	0	7
	Sum of ResearchMorts	0				0	0	0
	Sum of TotalProjectMorts	14				0	0	14
MCN	Sum of NumberCollected	66,709	11			175		66,895
	Sum of NumberBarged	65,115	10			184		65,309
	Sum of NumberBypassed	0	0			0		0
	Sum of Numbertrucked	4,171	1			30		4,202
	Sum of SampleMorts	65	0			0		65
	Sum of FacilityMorts	554	0			1		555
	Sum of ResearchMorts	0	0			0		0
	Sum of TotalProjectMorts	619	0			1		620
Total Sum of NumberCollected		69,590	11	10	176	11	69,798	
Total Sum of NumberBarged		67,529	10	8	185	8	67,740	
Total Sum of NumberBypassed		19	0	0	0	0	19	
Total Sum of Numbertrucked		4,580	1	2	30	2	4,615	
Total Sum of SampleMorts		94	0	0	0	1	95	
Total Sum of FacilityMorts		564	0	0	1	0	565	
Total Sum of ResearchMorts		0	0	0	0	0	0	
Total Sum of TotalProjectMorts		658	0	0	1	1	660	

YTD Transportation Summary

Source: Fish Passage Center

Updated:

8/18/06 9:14 AM

TO: 08/18/06

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	478,562	2,407,709	51,169	32,615	2,820,596	5,790,651
	Sum of NumberBarged	459,367	1,964,112	46,809	25,789	2,467,171	4,963,248
	Sum of NumberBypassed	17,386	437,073	4,214	6,237	352,045	816,955
	Sum of NumberTrucked	216	0	2	0	2	220
	Sum of SampleMorts	276	203	2	30	101	612
	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	1,593	6,524	144	589	1,378	10,228
LGS	Sum of NumberCollected	767,170	3,131,212	88,080	63,225	3,228,557	7,278,244
	Sum of NumberBarged	756,263	2,746,888	86,462	53,002	2,634,378	6,276,993
	Sum of NumberBypassed	4,275	376,348	1,524	8,895	591,417	982,459
	Sum of NumberTrucked	124	0	0	0	0	124
	Sum of SampleMorts	178	138	0	23	21	360
	Sum of FacilityMorts	2,989	5,761	94	1,305	739	10,888
	Sum of ResearchMorts	23	22	0	0	1	46
	Sum of TotalProjectMorts	3,190	5,921	94	1,328	761	11,294
LMN	Sum of NumberCollected	249,107	1,096,139	23,183	27,782	935,552	2,331,763
	Sum of NumberBarged	242,161	1,060,701	23,024	27,012	883,887	2,236,785
	Sum of NumberBypassed	6,327	34,453	159	576	51,011	92,526
	Sum of NumberTrucked	69	0	0	0	0	69
	Sum of SampleMorts	155	47	0	9	34	245
	Sum of FacilityMorts	394	938	0	185	620	2,137
	Sum of ResearchMorts	1	0	0	0	0	1
	Sum of TotalProjectMorts	550	985	0	194	654	2,383
MCN	Sum of NumberCollected	2,091,004	830,103	47,855	253,065	232,043	3,454,070
	Sum of NumberBarged	988,885	326	100	938	69	990,318
	Sum of NumberBypassed	1,089,978	828,856	47,736	251,700	231,814	2,450,084
	Sum of NumberTrucked	4,171	1	0	30	0	4,202
	Sum of SampleMorts	430	117	1	29	13	590
	Sum of FacilityMorts	7,315	761	15	351	141	8,583
	Sum of ResearchMorts	196	42	3	17	6	264
	Sum of TotalProjectMorts	7,941	920	19	397	160	9,437
Total Sum of NumberCollected		3,585,843	7,465,163	210,287	376,687	7,216,748	18,854,728
Total Sum of NumberBarged		2,446,676	5,772,027	156,395	106,741	5,985,505	14,467,344
Total Sum of NumberBypassed		1,117,966	1,676,730	53,633	267,408	1,226,287	4,342,024
Total Sum of NumberTrucked		4,580	1	2	30	2	4,615
Total Sum of SampleMorts		1,039	505	3	91	169	1,807
Total Sum of FacilityMorts		11,974	13,470	249	2,399	2,720	30,812
Total Sum of ResearchMorts		261	375	5	18	64	723
Total Sum of TotalProjectMorts		13,274	14,350	257	2,508	2,953	33,342

Cumulative Adult Passage at Mainstem Dams Through: 08/17

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	08/17	96,456	2,908	74,038	4,288	151,682	8,418	97,519	4,355	79,208	4,495	61,165	7,724	8,149	946	6,234	723	9,847	1,290
TDA	08/17	61,827	2,176	60,964	3,210	104,618	6,110	81,219	3,620	69,650	3,486	53,046	5,654	4,488	575	3,745	290	4,815	871
JDA	08/17	50,313	2,093	56,027	2,715	87,807	4,857	73,837	4,150	64,034	5,405	49,520	5,613	2,782	546	2,301	414	2,626	687
MCN	08/16	45,355	2,475	51,855	3,201	80,814	5,125	62,422	3,387	63,779	3,079	49,097	5,314	1,661	228	1,448	139	1,574	344
IHR	08/16	25,465	843	28,039	1,267	54,334	3,256	8,695	565	8,827	990	11,044	1,889	121	23	63	9	59	6
LMN	08/16	23,596	551	25,933	1,002	51,936	3,032	10,058	513	8,354	804	10,507	1,557	106	28	44	11	31	10
LGS	08/16	20,839	745	23,995	923	49,856	3,088	8,319	601	6,987	974	9,147	1,822	19	2	11	6	8	2
LGR	08/16	22,963	984	26,028	1,258	49,902	3,362	8,232	720	6,718	1,076	9,234	1,992	0	0	0	0	0	0
PRD	08/15	8,535	81	14,148	515	16,757	523	57,236	556	61,227	1,898	44,110	2,023	769	38	487	2	468	59
RIS	08/16	9,245	473	11,908	504	13,259	737	59,137	2,018	53,717	2,430	40,186	4,590	0	0	0	0	0	0
RRH	08/16	5,376	274	4,568	417	4,860	283	40,212	1,663	41,606	2,208	29,573	3,001	0	0	0	0	0	0
WEL	08/14	4,043	214	4,897	99	3,488	193	23,349	1,171	27,516	567	20,233	1,088	0	0	0	0	0	0
WFA	08/11	34,666	168	35,438	1,180	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	464	41	59	29	167	34	37,051	72,945	60,132	142,635	164,116	177,248	46,584
TDA	27	4	0	0	5	1	30,014	65,253	50,291	33,406	50,725	67,795	12,967
JDA	9	8	0	0	4	0	35,370	69,749	54,241	28,780	39,032	47,518	9,653
MCN	0	0	0	0	0	0	29,199	63,518	46,920	17,535	29,744	34,155	5,501
IHR	2	1	0	0	0	0	51	18	27	7,882	11,829	16,566	1,888
LMN	0	0	0	0	0	0	17	18	29	8,977	10,628	13,663	2,052
LGS	0	1	0	0	0	0	30	13	33	4,706	6,405	8,902	1,375
LGR	0	4	0	0	0	0	15	18	34	9,179	8,549	11,220	2,686
PRD	0	0	8	2	7	0	26,703	74,523	58,553	2,115	3,317	4,208	0
RIS	0	0	2	0	1	0	34,834	71,112	53,402	1,542	3,517	3,315	834
RRH	0	0	0	0	1	0	25,297	55,373	37,335	1,140	2,530	2,256	560
WEL	0	0	0	0	0	0	21,725	52,799	36,152	425	988	1,049	208
WFA	0	0	0	0	0	0	0	0	0	28,348	19,114	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: 08/18/06

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
1,505

