



Fish Passage Center Weekly Report #06 - 25

August 25, 2006

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 2% and 59% of average at individual sub-basins over the first three weeks of August. Precipitation above The Dalles over August has been 45% 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 1-21		Water Year 2006 October 1, 2005 to August 21, 2006	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.62	54	24.14	103
SNAKE RIVER ABOVE ICE HARBOR	0.26	45	19.29	116
Columbia Above The Dalles	0.36	45	23.19	107
Kootenai	0.56	49	25.77	107
Clark Fork	0.48	54	17.79	109
Flathead	0.64	59	23.81	111
Pend Oreille/Spokane	0.39	45	32.37	110
Central Washington	0.01	2	11.04	129
SNAKE RIVER PLAIN	0.09	24	12.17	115
Salmon/Boise/Payette	0.14	30	24.12	128
Clearwater	0.48	59	30.24	104
SW Washington Cascades/Cowlitz	0.06	6	66.49	98
Willamette Valley	0.02	3	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 1281.1 feet (8-24-06) and has drafted 0.8 feet over the last week. Grand Coulee's end of August draft target is 1280 feet. Outflow has ranged between 65.4 and 128.8 Kcfs.

The Libby Reservoir is currently at elevation 2445.7 feet (8-24-06) and drafted 2.1 feet last week. Outflows are currently 14.1 Kcfs.

Hungry Horse is currently at an elevation of 3547.6 feet (8-24-06) 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 1538.6 feet (8-24-06) and drafted approximately 7.3 feet last week. Outflows at Dworshak dropped to 7.6 Kcfs on August 23rd and are expected to stay at this outflow until the end of August.

The Brownlee Reservoir was at an elevation of 2056.9 feet on Aug 24th, 2006. Outflows at Hells Canyon have ranged between 9.5 and 15.2 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 24 flows have averaged 39.0 Kcfs at Lower Granite, over the last week flows have averaged 28.2 Kcfs at Lower Granite. Between July 1 and Aug 24, flows at McNary have averaged 168.5 Kcfs; over the last week flows have averaged 146.7 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. Subyearling indices decreased at almost all sites over the past week.

At Lower Granite Dam, subyearling Chinook indices averaged roughly 100 per day over the past week compared to 175 per day the previous week, while at Little Goose and Lower Monumental Dam the subyearling index averaged 50 and 10 (respectively) per day this week.

At Rock Island Dam indices for subyearlings averaged 40 per day this week compared to 50 per day last week. At McNary Dam, subyearling

indices were down, averaging 1,800 this week compared to 3,700 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 1,200 per day this week compared to 1,100 per day last week. At Bonneville Dam subyearling indices decreased with this weeks' average index at 900 per day, compared to 1,400 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.

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 58%, 30%, 55%, and 65%, 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 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. 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 50%, 30%, 40%, and 62% 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.

Adult Fish Passage: At Bonneville dam, daily counts of fall Chinook began on August 1st, over the last week daily counts have ranged between 472 and 2103 fish. As of August 24th, 16,742 fall Chinook had passed Bonneville Dam, which is 107% of the 2005 count on the same date and 69% of the ten year average. Daily counts at Rock Island Dam ranged between 112 and 187 fall Chinook during the last week.

At Bonneville Dam, steelhead counts averaged 4,487 per day between August 18th and August 24th. Through August 24th, the steelhead run at Bonneville Dam was 174,046 fish, 93% and 87% of the respective 2005 and 10-year average counts. The daily counts at The Dalles Dam ranged between 678 and 3,182 for the week with the cumulative steelhead count through August 24th at 47,145. About 20% of the steelhead counted at Bonneville Dam has passed The Dalles Dam. The majority of the 20,770 steelhead counted at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor Dam now at 9,921 for the season. The cumulative count at Rock Island Dam is 2,199 for the season.

Adult sockeye salmon passage at Bonneville Dam averaged less than one fish per day through the week with the count at Bonneville through August 24th at 37,053, about 51% and 62% of the respective 2005 and 10-year average counts. About 34,888 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
08/11/06	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
08/18/06	94.9	0.2	98.3	0.0	100.7	6.4	106.4	0.0	100.5	0.0	114.2	1.5	112.7	0.8
08/19/06	96.0	0.2	95.5	0.0	92.8	6.6	87.0	0.0	87.4	0.0	87.6	1.3	96.6	0.9
08/20/06	65.4	0.2	63.9	0.0	73.2	5.6	70.9	0.0	73.2	0.0	86.3	1.8	77.0	0.8
08/21/06	111.9	0.2	116.2	0.0	114.7	7.4	105.9	0.0	105.5	0.0	100.0	1.7	93.3	0.8
08/22/06	128.8	0.2	120.8	0.0	120.7	7.9	115.0	0.0	116.0	0.0	119.4	1.6	116.9	1.1
08/23/06	121.6	0.2	122.9	0.0	123.6	8.5	124.4	0.0	123.2	0.0	121.9	1.7	118.6	1.1
08/24/06	114.7	0.2	119.9	0.0	121.7	8.4	122.0	0.0	122.5	0.0	125.4	1.4	122.0	1.1

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
08/11/06	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	11.0	9.7	27.0	15.1	24.9	7.4	25.2	12.8	22.1	12.1
08/18/06	10.2	0.0	11.4	12.1	26.6	14.9	26.5	8.0	26.3	14.1	29.8	19.9
08/19/06	10.2	0.0	11.1	12.1	27.0	14.9	25.1	7.4	25.6	13.4	26.5	16.3
08/20/06	10.3	0.0	11.3	13.6	29.3	17.6	33.5	10.5	31.0	18.8	31.5	21.0
08/21/06	10.3	0.0	11.7	15.2	30.2	18.3	24.7	7.4	25.8	13.5	26.6	16.2
08/22/06	10.1	0.0	11.4	14.1	30.5	18.3	34.6	10.3	32.8	20.6	35.4	25.4
08/23/06	7.6	0.0	10.8	12.3	28.7	17.0	26.9	8.3	25.8	13.5	27.4	17.5
08/24/06	7.6	---	---	---	24.9	13.2	24.8	7.4	26.1	13.8	25.7	15.8

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		
08/11/06	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
08/18/06	163.7	98.2	158.3	47.4	156.1	62.5	159.7	89.9	0.0	58.2
08/19/06	146.1	64.8	125.7	38.0	122.2	48.5	141.7	93.1	0.0	37.1
08/20/06	117.4	46.6	121.7	36.5	122.2	48.9	134.6	89.6	0.0	33.5
08/21/06	142.7	81.1	124.0	37.3	123.0	49.3	129.0	85.9	0.0	31.5
08/22/06	153.1	92.5	136.2	41.6	133.0	53.2	143.3	87.2	0.0	44.7
08/23/06	152.7	68.7	142.4	43.8	133.6	52.9	139.8	84.0	1.7	42.6
08/24/06	151.3	61.5	135.4	41.7	136.5	53.9	147.6	86.7	0.0	49.3

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											
	08/22/06	Chinook + Steelhead	5	0	0	0.00%	0.00%	0	0	0	0
Lower Monumental Dam											
	08/21/06	Chinook + Steelhead	4	0	0	0.00%	0.00%	0	0	0	0
McNary Dam											
	08/17/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	08/21/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	08/15/06	Chinook + Steelhead	86	0	0	0.00%	0.00%	0	0	0	0
	08/18/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	08/22/06	Chinook + Steelhead	71	0	0	0.00%	0.00%	0	0	0	0

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

Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	<u>Hungry H. Dnst</u>			<u>Boundary</u>			<u>Grand Coulee</u>			<u>Grand C. Tlwr</u>			<u>Chief Joseph</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>		
	<u>Avg</u>	<u>Avg</u>		<u>High</u>	<u>Avg</u>		<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>		<u>High</u>	<u>Avg</u>		<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>
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
8/18	105	106	107	24	106	107	108	24	107	108	108	24	106	107	109	24	107	108	108	24
8/19	106	106	107	24	107	108	108	24	108	109	110	24	107	109	113	24	108	108	109	24
8/20	106	106	107	24	107	108	108	24	108	108	109	24	107	108	111	24	108	108	109	24
8/21	106	106	106	25	108	109	110	25	108	109	110	25	107	108	110	25	108	108	109	25
8/22	106	107	108	24	108	109	109	24	109	109	110	24	107	109	112	24	108	108	109	24
8/23	105	105	105	24	109	109	109	24	109	109	109	24	107	108	111	24	108	108	108	24
8/24	105	105	105	24	108	108	108	24	109	109	110	24	106	107	110	24	106	107	107	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>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>		
	<u>Avg</u>	<u>Avg</u>		<u>High</u>	<u>Avg</u>		<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>		<u>High</u>	<u>Avg</u>		<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>
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
8/18	108	109	109	24	107	108	108	24	108	110	110	24	108	108	108	24	109	109	109	24
8/19	109	109	110	24	108	109	110	24	109	110	112	24	108	108	108	24	110	110	110	24
8/20	109	110	110	24	108	109	110	24	109	109	110	24	108	108	108	24	110	110	110	24
8/21	108	109	109	25	107	107	109	15	109	109	110	15	108	108	108	23	109	110	110	24
8/22	108	109	109	24	108	108	109	20	109	110	111	20	108	108	108	24	109	109	109	24
8/23	108	108	108	24	107	107	108	24	109	109	111	24	108	108	108	24	108	108	108	24
8/24	107	107	108	24	107	107	108	24	109	110	112	24	107	108	108	24	108	108	108	24

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>		
	<u>Avg</u>	<u>Avg</u>		<u>High</u>	<u>Avg</u>		<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>		<u>High</u>	<u>Avg</u>		<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>
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	109	110	111	23	109	109	110	23	109	109	111	23
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	107	108	110	23	106	107	107	23	106	106	107	20
8/18	108	109	109	24	108	109	109	24	108	110	111	23	106	107	107	23	106	107	109	23
8/19	109	110	110	24	109	110	110	24	108	108	109	23	107	107	108	23	108	108	110	23
8/20	109	110	110	24	109	110	110	24	109	111	113	23	108	108	109	23	106	107	108	23
8/21	109	109	110	24	109	109	110	24	110	111	113	23	108	109	109	23	106	106	107	8
8/22	108	108	109	24	108	108	109	24	107	108	109	23	107	108	108	23	107	107	107	9
8/23	107	107	108	24	107	107	108	24	105	106	106	23	106	106	106	23	105	105	105	23
8/24	107	108	108	24	107	107	108	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		
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	109	109	110	23	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	106	106	106	23	104	104	104	24	100	100	101	24	101	102	103	24	101	102	103	24
8/18	107	107	108	23	104	105	105	24	100	101	101	24	101	102	104	24	101	103	104	24
8/19	108	108	108	23	105	106	106	24	100	101	101	24	101	103	104	24	102	103	104	24
8/20	107	108	108	23	105	106	106	24	101	101	101	24	101	103	104	24	101	103	104	24
8/21	108	108	109	23	105	106	106	25	101	101	102	25	101	103	104	25	101	102	103	25
8/22	107	107	108	14	104	105	105	24	101	101	101	24	101	103	104	24	101	102	104	24
8/23	105	106	106	23	104	105	106	24	101	101	102	24	101	103	104	24	101	102	103	24
8/24	---	---	---	0	103	104	104	24	101	101	101	24	102	105	106	24	101	102	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		
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
8/18	103	105	107	24	101	101	102	24	111	111	112	24	106	106	106	24	111	112	112	24
8/19	103	105	106	24	101	102	102	24	112	112	113	24	106	106	107	24	111	112	112	24
8/20	103	105	106	24	101	101	101	24	114	115	116	24	107	108	108	24	112	112	113	24
8/21	103	104	106	25	101	101	102	25	115	115	116	25	108	108	109	25	111	112	112	25
8/22	102	104	105	24	101	101	101	24	115	115	115	24	108	109	109	24	111	112	112	24
8/23	102	104	105	23	102	102	103	24	114	115	115	24	107	108	109	24	111	111	112	24
8/24	102	103	105	24	102	103	103	24	112	112	114	24	107	108	108	24	111	112	112	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	#				
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg						
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
8/18	106	106	107	24	114	115	115	24	109	109	110	24	114	114	115	24	---	---	---	0
8/19	107	107	108	24	114	115	115	24	110	110	110	24	112	113	114	24	---	---	---	0
8/20	108	108	109	24	117	120	121	24	110	110	111	24	112	114	115	24	---	---	---	0
8/21	108	109	109	25	114	115	117	25	111	111	111	25	111	112	113	25	---	---	---	0
8/22	108	109	109	24	117	119	120	24	111	111	111	24	112	114	114	24	---	---	---	0
8/23	107	107	107	24	114	114	115	24	110	110	111	24	112	113	114	24	---	---	---	0
8/24	107	107	107	24	114	115	115	24	110	110	110	24	111	113	114	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>High</u>		<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>	
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
8/18	104	104	104	24	116	116	117	24	103	103	104	24	114	115	116	24	106	107	107	24
8/19	105	105	107	24	114	115	115	24	104	104	104	24	114	115	115	24	108	108	108	24
8/20	105	105	106	24	112	113	113	24	103	104	104	24	114	114	115	24	108	108	109	24
8/21	106	107	108	25	115	117	117	25	103	103	104	24	114	114	115	25	107	107	108	25
8/22	105	106	106	24	116	116	116	24	102	102	103	24	114	114	115	24	105	105	106	24
8/23	105	105	105	24	113	115	116	24	102	102	102	24	114	115	115	24	104	104	104	24
8/24	103	103	104	24	113	113	114	24	102	103	103	24	114	115	115	24	104	104	104	24

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>High</u>		<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>	
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
8/18	112	113	114	24	103	104	105	24	---	---	---	0	113	115	116	24	117	118	118	17
8/19	114	114	115	24	107	109	109	24	---	---	---	0	113	115	117	24	117	117	118	17
8/20	114	114	114	24	109	110	110	24	---	---	---	0	115	117	118	24	117	117	118	17
8/21	113	113	114	25	108	109	109	25	---	---	---	0	114	114	116	25	117	117	118	18
8/22	112	112	112	24	104	105	106	24	---	---	---	0	112	113	114	24	117	117	117	17
8/23	111	111	111	24	103	103	103	24	---	---	---	0	110	111	112	24	117	117	117	17
8/24	111	112	112	24	102	103	103	24	---	---	---	0	110	111	113	24	117	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/currentsmpsubmitdata.asp>

COMBINED YEARLING CHINOOK												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
08/11/2006	*	---	---	---	0	0	0	0	0	0	0	0
08/12/2006	*	---	---	---	0	0	0	0	0	0	0	0
08/13/2006	*	---	---	---	0	0	0	0	0	0	0	0
08/14/2006	*	---	---	---	0	0	0	0	22	0	0	0
08/15/2006	*	---	---	---	0	0	0	0	2	0	0	0
08/16/2006		---	---	---	0	1	0	0	0	0	0	0
08/17/2006	*	---	---	---	0	0	0	0	0	0	0	0
08/18/2006		---	---	---	0	0	0	0	0	0	0	0
08/19/2006	*	---	---	---	0	0	0	0	0	0	0	0
08/20/2006		---	---	---	0	0	0	0	0	0	0	0
08/21/2006	*	---	---	---	0	0	0	0	0	0	0	0
08/22/2006		---	---	---	0	0	0	0	0	0	0	0
08/23/2006	*	---	---	---	0	0	0	0	0	0	0	0
08/24/2006	*	---	---	---	---	0	0	0	0	0	0	0
08/25/2006		---	---	---	---	---	0	---	---	---	---	---
<hr/>												
Total:		0	0	0	0	1	0	0	24	0	0	0
# Days:		0	0	0	13	14	15	14	14	14	14	14
Average:		0	0	0	0	0	0	0	2	0	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												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
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		---	---	---	78	52	7	45	2,549	4,045	640	
08/19/2006	*	---	---	---	97	68	11	63	1,824	0	1,050	
08/20/2006		---	---	---	44	57	10	49	1,725	1,783	1,448	
08/21/2006	*	---	---	---	115	62	3	20	1,827	0	582	
08/22/2006		---	---	---	130	46	30	36	3,274	1,039	707	
08/23/2006	*	---	---	---	146	36	14	16	933	0	915	
08/24/2006	*	---	---	---	---	53	2	47	436	1,281	887	
08/25/2006		---	---	---	---	---	0	---	---	---	---	---
<hr/>												
Total:		0	0	0	1,823	859	395	639	38,604	16,073	15,843	
# Days:		0	0	0	13	14	15	14	14	14	14	
Average:		0	0	0	140	61	26	46	2,757	1,148	1,132	
YTD		3	30	15	291	747,693	1,128,503	357,673	31,964	4,059,754	2,821,672	3,847,963

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)	(INDEX)
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		---	---	---	---	2	0	0	0	0	0	0
08/19/2006	*	---	---	---	---	0	0	0	2	0	0	0
08/20/2006		---	---	---	---	0	0	0	0	0	0	0
08/21/2006	*	---	---	---	---	0	0	0	0	0	0	0
08/22/2006		---	---	---	---	0	0	0	0	0	0	0
08/23/2006	*	---	---	---	---	0	0	0	0	0	0	0
08/24/2006	*	---	---	---	---	---	0	0	1	0	0	0
08/25/2006		---	---	---	---	---	---	0	---	---	---	---
<hr/>												
Total:		0	0	0	0	12	0	0	5	0	0	0
# Days:		0	0	0	0	13	14	15	14	14	14	14
Average:		0	0	0	0	1	0	0	0	0	0	0
YTD		0	0	0	49	86,164	133,019	33,976	61,283	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)	(INDEX)
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		---	---	---	---	0	0	0	0	0	0	0
08/19/2006	*	---	---	---	---	0	0	0	1	0	0	0
08/20/2006		---	---	---	---	0	0	0	0	0	0	0
08/21/2006	*	---	---	---	---	0	0	0	1	0	0	0
08/22/2006		---	---	---	---	0	0	2	0	0	0	0
08/23/2006	*	---	---	---	---	0	1	0	0	13	0	0
08/24/2006	*	---	---	---	---	---	1	2	1	0	0	0
08/25/2006		---	---	---	---	---	---	0	---	---	---	---
<hr/>												
Total:		0	0	0	0	7	4	4	5	13	0	0
# Days:		0	0	0	0	13	14	15	14	14	14	14
Average:		0	0	0	0	1	0	0	0	1	0	0
YTD		1,970	19,014	9,317	3,068	4,483,426	4,376,053	1,265,454	26,931	446,273	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)	(INDEX)
08/11/2006 *	---	---	---	---	0	0	0	0	0	0	0	0
08/12/2006 *	---	---	---	---	0	0	2	8	25	0	0	0
08/13/2006 *	---	---	---	---	0	0	0	2	8	0	0	0
08/14/2006 *	---	---	---	---	0	0	0	2	22	0	0	0
08/15/2006 *	---	---	---	---	0	0	0	6	10	0	0	0
08/16/2006	---	---	---	---	0	0	0	2	9	0	0	0
08/17/2006 *	---	---	---	---	0	0	0	1	35	0	0	0
08/18/2006	---	---	---	---	0	0	0	0	0	20	0	0
08/19/2006 *	---	---	---	---	0	0	0	1	13	0	0	0
08/20/2006	---	---	---	---	0	0	0	2	0	0	0	0
08/21/2006 *	---	---	---	---	0	0	0	0	17	0	0	0
08/22/2006	---	---	---	---	3	0	0	1	0	14	0	0
08/23/2006 *	---	---	---	---	3	0	0	0	0	0	0	0
08/24/2006 *	---	---	---	---	---	0	0	4	0	0	0	0
08/25/2006	---	---	---	---	---	---	0	---	---	---	---	---
<hr/>												
Total:	0	0	0	0	6	0	2	29	139	34	0	0
# Days:	0	0	0	0	13	14	15	14	14	14	14	14
Average:	0	0	0	0	0	0	0	2	10	2	0	0
YTD	13	0	0	679	51,867	92,637	40,237	34,591	497,005	529,280	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:

8/25/06 9:31 AM

08/11/06 TO 08/25/06

Site	Data	Species					Grand Total	
		CH0	CH1	CO	SO	ST		
LGR	Sum of NumberCollected	739			5	2	3	749
	Sum of NumberBarged	355			2	0	0	357
	Sum of NumberBypassed	0			0	0	0	0
	Sum of Numbertrucked	460			3	1	2	466
	Sum of SampleMorts	6			0	1	1	8
	Sum of FacilityMorts	0			0	0	0	0
	Sum of ResearchMorts	0			0	0	0	0
	Sum of TotalProjectMorts	6			0	1	1	8
LGS	Sum of NumberCollected	586					4	590
	Sum of NumberBarged	208					2	210
	Sum of NumberBypassed	10					0	10
	Sum of Numbertrucked	343					1	344
	Sum of SampleMorts	5					0	5
	Sum of FacilityMorts	2					0	2
	Sum of ResearchMorts	0					0	0
	Sum of TotalProjectMorts	7					0	7
LMN	Sum of NumberCollected	175				1	2	178
	Sum of NumberBarged	80				1	0	81
	Sum of NumberBypassed	7				0	0	7
	Sum of Numbertrucked	103				0	2	105
	Sum of SampleMorts	1				0	0	1
	Sum of FacilityMorts	0				0	0	0
	Sum of ResearchMorts	0				0	0	0
	Sum of TotalProjectMorts	1				0	0	1
MCN	Sum of NumberCollected	18,894	11			75	5	18,985
	Sum of NumberBarged	8,967	10			29	0	9,006
	Sum of NumberBypassed	0	0			0	0	0
	Sum of Numbertrucked	9,428	1			43	5	9,477
	Sum of SampleMorts	36	0			0	0	36
	Sum of FacilityMorts	214	0			3	0	217
	Sum of ResearchMorts	0	0			0	0	0
	Sum of TotalProjectMorts	250	0			3	0	253
Total Sum of NumberCollected		20,394	11		5	78	14	20,502
Total Sum of NumberBarged		9,610	10		2	30	2	9,654
Total Sum of NumberBypassed		17	0		0	0	0	17
Total Sum of Numbertrucked		10,334	1		3	44	10	10,392
Total Sum of SampleMorts		48	0		0	1	1	50
Total Sum of FacilityMorts		216	0		0	3	0	219
Total Sum of ResearchMorts		0	0		0	0	0	0
Total Sum of TotalProjectMorts		264	0		0	4	1	269

YTD Transportation Summary

Source: Fish Passage Center

Updated:

8/25/06 9:31 AM

TO: 08/25/06

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	478,807	2,407,709	51,170	32,617	2,820,596	5,790,899
	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	460	0	3	1	2	466
	Sum of SampleMorts	277	203	2	31	101	614
	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	1,594	6,524	144	590	1,378	10,230
LGS	Sum of NumberCollected	767,428	3,131,212	88,080	63,225	3,228,559	7,278,504
	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	343	0	0	0	1	344
	Sum of SampleMorts	180	138	0	23	21	362
	Sum of FacilityMorts	2,991	5,761	94	1,305	739	10,890
	Sum of ResearchMorts	23	22	0	0	1	46
	Sum of TotalProjectMorts	3,194	5,921	94	1,328	761	11,298
LMN	Sum of NumberCollected	249,141	1,096,139	23,183	27,782	935,554	2,331,799
	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	103	0	0	0	2	105
	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	2,096,589	830,103	47,855	253,080	232,048	3,459,675
	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	9,428	1	0	43	5	9,477
	Sum of SampleMorts	440	117	1	29	13	600
	Sum of FacilityMorts	7,384	761	15	353	141	8,654
	Sum of ResearchMorts	196	42	3	17	6	264
	Sum of TotalProjectMorts	8,020	920	19	399	160	9,518
Total Sum of NumberCollected		3,591,965	7,465,163	210,288	376,704	7,216,757	18,860,877
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		10,334	1	3	44	10	10,392
Total Sum of SampleMorts		1,052	505	3	92	169	1,821
Total Sum of FacilityMorts		12,045	13,470	249	2,401	2,720	30,885
Total Sum of ResearchMorts		261	375	5	18	64	723
Total Sum of TotalProjectMorts		13,358	14,350	257	2,511	2,953	33,429

Cumulative Adult Passage at Mainstem Dams Through: 08/24

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	08/24	96,456	2,908	74,038	4,288	151,682	8,418	97,519	4,355	79,208	4,495	61,165	7,724	16,742	1,764	15,635	1,318	24,144	2,407
TDA	08/24	61,827	2,176	60,964	3,210	104,618	6,110	81,219	3,620	69,650	3,486	53,046	5,654	8,460	1,118	7,989	617	11,425	1,455
JDA	08/24	50,313	2,093	56,027	2,715	87,807	4,857	73,837	4,150	64,034	5,405	49,520	5,613	3,991	890	4,974	702	6,323	1,124
MCN	08/23	45,355	2,475	51,855	3,201	80,814	5,125	62,422	3,387	63,779	3,079	49,097	5,314	3,236	457	2,871	320	3,663	644
IHR	08/23	25,465	843	28,039	1,267	54,334	3,256	8,695	565	8,827	990	11,044	1,889	491	80	299	70	269	34
LMN	08/21	23,596	551	25,933	1,002	51,936	3,032	10,058	513	8,354	804	10,507	1,557	319	56	115	22	125	33
LGS	08/22	20,839	745	23,995	923	49,856	3,088	8,319	601	6,987	974	9,147	1,822	201	20	90	18	100	16
LGR	08/23	22,963	984	26,028	1,258	49,902	3,362	8,263	726	6,736	1,078	9,243	1,994	153	31	58	18	64	17
PRD	08/22	8,535	81	14,148	515	16,757	523	57,236	556	61,227	1,898	44,110	2,023	1,821	201	1,645	7	1,764	234
RIS	08/23	9,245	473	11,908	504	13,259	737	59,718	2,086	54,033	2,443	40,419	4,637	881	129	1,028	81	883	237
RRH	08/23	5,376	274	4,568	417	4,860	283	41,234	1,744	42,348	2,261	30,156	3,122	472	68	651	66	557	175
WEL	08/21	4,043	214	4,897	99	3,488	193	24,505	1,435	29,034	631	21,484	1,267	0	0	0	0	0	0
WFA	08/23	34,695	168	35,453	1,180	3,480	87	0	0	0	0	0	0	80	1	35	1	0	0

DAM	Coho						Sockeye			Steelhead					
	2006		2005		10-Yr Avg.		2006		2005	10-Yr Avg.	2006		2005	10-Yr Avg.	Wild 2006
	Adult	Jack	Adult	Jack	Adult	Jack	2006	2005	Avg.	2006	2005	Avg.	2006	2005	Avg.
BON	1,941	135	769	107	931	125	37,053	72,949	60,133	174,046	187,773	200240	53,367		
TDA	177	17	25	10	74	14	30,020	65,258	50,294	46,315	58,838	78374	16,379		
JDA	18	10	14	0	26	0	35,383	69,760	54,244	33,239	44,955	54369	10,832		
MCN	0	-1	0	0	2	0	29,218	63,526	46,923	20,770	32,568	39578	6,306		
IHR	0	1	0	0	0	0	51	18	27	9,921	14,707	19912	2,308		
LMN	0	0	0	0	0	0	18	18	29	10,445	11,573	15556	2,318		
LGS	0	1	0	0	0	0	32	13	33	5,153	7,123	10516	1,486		
LGR	0	4	0	0	0	0	15	18	34	9,596	9,392	12717	2,781		
PRD	10	0	20	2	7	0	26,705	74,555	58,604	2,754	4,067	5030	0		
RIS	0	0	2	0	1	0	34,888	71,173	53,531	2,199	4,248	4196	1,118		
RRH	0	0	0	0	1	0	25,346	55,470	37,415	1,594	3,186	2947	699		
WEL	0	0	0	0	0	0	21,886	53,030	36,339	637	1,467	1526	286		
WFA	0	0	1	0	0	0	0	0	0	28,613	19,164	1805	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: 08/25/06

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
1,922

