



Fish Passage Center

Weekly Report #05 - 27

Sept 9, 2005

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NOTE: This is the last issue of the **Weekly** report in 2005. The next issue will be on September 23 and will be **BiWeekly** through October and into November.

Summary of Events:

Water Supply: Precipitation has been well below average over the first twenty-two days of August at most Columbia Basin locations. No precipitation updates beyond August 22, 2005 are available. Of the sites in Table 1, none recorded precipitation that was greater than average. Over the entire water year, precipitation remains slightly below average at most 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 2005 August 1-22		Water Year 2005 October 1, 2004 to August 22, 2005	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.71	60	21.80	93
Snake River Above Ice Harbor	0.45	74	16.22	98
Columbia Above The Dalles	0.50	59	19.23	88
Kootenai	0.94	78	22.37	93
Clark Fork	0.36	39	13.12	80
Flathead	0.73	64	21.10	98
Pend Oreille/Spokane	0.49	54	25.78	87
Central Washington	0.13	49	6.80	79
Snake River Plain	0.35	86	12.55	118
Salmon/Boise/Payette	0.21	42	15.53	82
Clearwater	0.08	9	23.94	82
SW Washington Cascades/Cowlitz	0.02	18	49.69	73
Willamette Valley	0.02	2	39.90	69

The summer flow objective period at Lower Granite Dam ended on August 31st, 2005, river flows at Lower Granite averaged 33.4 Kcfs between June 21-August 31. Flows at Lower Granite are currently 21.2 (9-8-05).

The summer flow objective period at McNary Dam also ended on August 31st; river flows at McNary Dam averaged 165.1 Kcfs July 1st through August 31st. Flows at McNary are currently 103.7 Kcfs (9-8-05).

Grand Coulee Reservoir has refilled to 1279.6 feet (9-8-05) since meeting its BiOp summer draft elevation of 1278 feet on August 31st, 2005. Currently outflows at Grand Coulee are 73.1 Kcfs.

The Libby Reservoir is currently at elevation 2437.6 feet and has continued to draft at a rate of approximately 0.2-0.3 feet/day, outflows at Libby are 10 Kcfs.

Hungry Horse is currently at an elevation of 3538.6 feet. Currently outflows at Hungry Horse are 1.9 Kcfs.

Dworshak is currently at an elevation of 1527.2 feet (9-8-05) and drafting approximately 1 foot per day. Outflows at Dworshak remain near 7.1 Kcfs. Dworshak appears on track to draft to elevation 1520 feet by mid September.

The Brownlee Reservoir was at an elevation of 2051.5 feet on September 8th, 2005 with outflows at Hells Canyon ranging between 8.4 and 10.6 Kcfs over the last week.

Smolt Monitoring: Passage indices for subyearling Chinook were lower this week at all SMP sites but Lower Monumental Dam. At Lower Granite Dam in the Lower Snake River the subyearling Chinook passage index averaged 33 per day this week compared to 120 the previous week. In the past two weeks only 1 clipped subyearling Chinook has been collected in the sample compared to 520 unclipped fish, indicating that the run is likely made up of mostly unmarked wild fish.

At Little Goose and Lower Monumental dams the subyearling Chinook indices were down with the index at Little Goose falling to 80 per day average this week while the index was up slightly at 46 per day this week at Lower Monumental Dam.

At McNary Dam indices for subyearlings were also lower this week. The average index fell to 110 per day compared to 190 per day last week.

John Day Dam and Bonneville Dam also saw subyearling Chinook indices decline this past week. At John Day Dam the index for subyearling Chinook averaged 75 this week compared to 280 last week, while at Bonneville Dam the subyearling index averaged 130 this past week down from 730 last week.

Hatchery Releases - The Zone Release Report below summarizes releases of juvenile salmonids (species) from State, Federal or Tribal hatcheries or acclimation ponds for the 2005 migration. Releases for hatcheries below Bonneville have been included in the Table. For the 2005 migration season, approximately 83.7 million juvenile fish were released from hatcheries in the river systems located above Bonneville Dam with the remaining released in the Willamette, Cowlitz, and other major tributaries in the lower Columbia River. These totals will be updated and finalized throughout the year. Additional hatchery releases will be completed this summer and fall, but the majority of those fish should migrate the following year. No hatchery releases scheduled.

Hatchery Zone Release Report

	Friday 02-Sep-2005				
	Snake River	Mid-Columbia	Lower Columbia	Below Bonneville	Total Release
Fall Chinook	4,907,703	12,449,054	21,567,139	20,975,982	59,899,878
Spring Chinook	9,440,350	5,158,571	5,150,959	11,337,455	31,087,335
Summer Chinook	2,348,012	3,370,613			5,718,625
Chum				163,000	163,000
Coho	816,300	1,868,096	5,149,621	11,062,156	18,896,173
Sockeye	209,046	592,459			801,505
Summer Steelhead	8,887,764	1,188,619	523,769	1,523,905	12,124,057
Winter Steelhead			118,793	1,765,291	1,884,084
Total	26,609,175	24,627,412	32,510,281	46,827,789	130,574,657

Adult Fish Passage -Water temperatures in the Columbia River were near 70 F at most projects, slightly reduced from the previous week but above desired temperatures for salmonids.

At Bonneville Dam, numbers of adult fall Chinook salmon averaged 4,186 per day for the week ending September 1st; note that September 1 count only records the WA ladder so that day was incomplete and not used in the daily average. The season total of 46,519 adult Chinook salmon reduced to only 39.2% of the 2004 count, way down from the previous week when the 2005, August 25 count was about 112.7% of the 2004 count. However, the 2005 count is still greater than the 10-year average to date. Tule fall Chinook and Bright fall Chinook counts at the Bonneville Project can be accessed at the FPC website: http://www.fpc.org/adultsalmon/adulthistory/bon_tule_brights2005.html. This information is updated as it is received from WDFW who compiles the information from observation of adult fish passing the count windows at Bonneville Dam. Expectations remain that the fall Chinook Run should again produce excellent numbers of Bright and Tule fall Chinook; however, this week the Run fell way behind the 2004 and 10-year average. The normal peak passage for the fall Chinook at Bonneville Dam occurs during the first two to three weeks of September so numbers should continue to increase at Bonneville and upriver projects as the migration of these fish moves steadily upstream.

At Bonneville Dam, steelhead counts declined from near 3,500 per day to near 1,000 per day by the end of the count week, September 1st. This year's total of 207,290 is near equal the 2004 count of 207,751 and remained less than the 10-

year average of 223,263 through September 1st. The larger-sized B-Run steelhead should begin to increase at Bonneville Dam as they normally start arriving in late August and continue fairly strong through September. B-Run steelhead are primarily destined for the Clearwater River basin while the A-Run steelhead generally are spread throughout the remaining basins in the Columbia and Snake rivers, and as a rule arrive and pass Bonneville Dam earlier than the later B-Run fish. Steelhead continued to move out of the Bonneville pool with the daily counts at the Dalles Dam ranging between 1,000 and 2,400 for the week. The cumulative steelhead count through September 1st was 73,165, with the count differential between Bonneville and The Dalles Dam still about 134,000, or approximately 35% of the steelhead counted at Bonneville have passed The Dalles Dam. At McNary Dam, 42,841 steelhead have been counted to date with about 19,550 counted into the Snake River (Ice Harbor) and 5,500 counted into the Mid-Columbia River at Priest Rapids Dam.

The daily counts of coho salmon at Bonneville Dam ranged from 150 to 600 for the week with the cumulative count up to 3,321 adult fish through September 1st. This total fell well below the 2004 and 10-year average this week. Passage of coho should increase through mid-September as the Run moves in from the ocean.

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
08/26/05	114.9	0.1	119.4	0.0	118.9	8.0	115.0	0.0	115.0	0.0	113.6	2.1	109.1	1.3
08/27/05	88.2	0.1	86.9	0.0	91.1	0.1	96.1	0.2	98.7	0.0	115.6	1.8	118.1	4.6
08/28/05	77.7	0.1	73.7	0.0	74.0	0.0	74.0	0.0	75.6	0.0	83.5	1.7	82.8	0.8
08/29/05	104.8	0.1	100.8	0.0	98.8	0.0	97.3	0.0	92.8	0.0	106.4	1.4	104.8	0.8
08/30/05	104.8	0.1	108.1	0.0	108.3	0.3	105.5	0.0	106.4	0.0	87.3	0.9	90.1	0.9
08/31/05	115.9	0.2	118.5	0.0	118.8	4.0	114.5	0.9	113.2	0.0	112.7	2.8	99.8	1.0
09/01/05	65.9	0.2	73.1	0.0	77.8	0.0	85.4	2.3	87.3	0.0	101.6	8.3	102.2	7.0
09/02/05	68.6	0.1	65.0	0.0	64.1	0.0	68.1	0.0	65.3	0.0	73.8	1.6	71.6	1.0
09/03/05	53.1	0.1	55.3	0.0	52.9	0.0	51.0	0.0	51.0	0.0	45.4	1.8	39.9	1.2
09/04/05	41.3	0.1	41.7	0.0	41.2	0.0	36.6	0.0	36.5	0.0	42.1	1.9	46.1	1.0
09/05/05	44.7	0.1	54.5	0.0	55.0	0.0	52.0	0.0	53.5	0.0	61.8	2.0	52.9	0.9
09/06/05	89.6	0.1	85.5	0.0	86.4	0.0	86.4	0.0	85.7	0.0	79.2	1.8	73.2	1.0
09/07/05	99.8	0.1	91.1	0.0	91.9	0.0	89.7	0.0	89.0	0.0	92.9	1.2	87.8	0.9
09/08/05	73.1	0.2	78.7	0.0	80.2	0.0	83.4	0.0	84.4	0.0	92.6	2.0	93.0	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
08/26/05	7.2	0.0	9.1	10.1	20.5	8.4	21.1	7.5	19.7	9.2	20.2	10.1
08/27/05	7.1	0.0	8.2	9.8	20.5	8.4	22.1	7.7	21.1	8.7	22.7	12.4
08/28/05	7.1	0.0	10.3	11.2	20.7	8.4	21.3	7.6	19.3	9.1	20.3	9.9
08/29/05	7.1	0.0	8.8	9.7	21.5	14.6	21.5	8.0	20.8	8.4	19.1	8.9
08/30/05	7.1	0.0	9.3	8.9	20.7	13.8	20.7	7.2	22.5	11.3	24.5	14.4
08/31/05	7.2	0.0	8.2	8.7	19.9	11.5	20.4	6.9	17.7	10.1	20.5	10.1
09/01/05	7.2	0.0	8.0	10.3	20.0	3.9	21.9	0.1	20.3	0.0	16.0	0.1
09/02/05	7.2	0.0	8.7	10.4	21.2	0.0	22.5	0.0	25.2	0.0	22.8	0.0
09/03/05	7.2	0.0	8.4	8.4	21.8	0.0	21.6	0.0	20.4	0.0	18.5	0.0
09/04/05	7.2	0.0	9.2	8.5	17.0	0.0	17.2	0.0	17.3	0.0	15.6	0.0
09/05/05	7.1	0.0	8.8	8.6	20.9	0.0	21.5	0.0	23.0	0.0	22.7	0.0
09/06/05	7.1	0.0	9.6	10.4	20.7	0.0	19.7	0.0	19.8	0.0	19.2	0.0
09/07/05	7.1	0.0	9.3	10.6	21.4	0.0	21.6	0.0	20.8	0.0	20.8	0.0
09/08/05	7.1	0.0	---	---	21.2	0.0	20.9	0.0	18.0	0.0	15.6	0.0

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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
08/26/05	121.6	67.1	105.2	30.8	108.5	41.0	117.7	75.5	0.0	30.7
08/27/05	145.3	90.2	130.4	38.1	121.0	46.8	126.7	75.6	0.0	39.6
08/28/05	133.4	78.3	119.0	35.4	117.4	46.5	122.1	74.5	0.0	36.2
08/29/05	125.5	70.7	108.9	32.6	106.4	41.9	114.7	73.3	1.6	28.4
08/30/05	150.2	95.7	135.3	41.1	129.8	50.4	138.8	82.2	0.0	45.1
08/31/05	113.7	59.4	115.7	34.8	114.6	44.5	123.1	77.4	0.0	35.0
09/01/05	128.7	0.2	112.2	0.5	114.1	2.3	121.5	1.8	44.3	68.9
09/02/05	105.4	0.0	97.8	0.0	96.3	0.0	99.3	1.5	25.6	65.7
09/03/05	85.9	0.0	89.7	0.9	93.5	0.0	97.3	1.5	19.8	69.5
09/04/05	69.9	0.0	74.4	0.9	79.9	0.0	94.2	1.4	18.2	68.1
09/05/05	81.2	0.0	83.1	0.8	88.2	0.0	89.3	1.5	14.7	66.6
09/06/05	85.3	0.0	85.6	1.2	88.1	0.0	86.1	1.5	10.7	67.4
09/07/05	85.0	0.0	80.4	1.2	81.3	0.0	81.2	1.7	8.0	65.2
09/08/05	103.7	0.0	91.1	1.4	89.1	0.0	89.8	1.4	13.4	68.6

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

Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	<u>Hungry H. Dnst</u>			<u>Boundary</u>			<u>Grand Coulee</u>			<u>Grand C. Tlwr</u>			<u>Chief Joseph</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
8/26	---	---	---	0	106	107	107	24	105	106	106	24	105	106	108	24	105	105	106	23
8/27	---	---	---	0	107	107	107	24	106	106	107	24	106	107	111	24	105	106	107	24
8/28	---	---	---	0	107	107	108	24	106	106	107	24	106	106	110	24	106	106	106	24
8/29	---	---	---	0	107	107	107	14	107	107	107	15	105	105	106	14	105	106	106	14
8/30	---	---	---	0	105	105	106	24	106	106	106	24	104	105	107	24	104	104	105	24
8/31	---	---	---	0	105	105	105	24	106	106	106	24	104	105	107	24	104	104	105	24
9/1	---	---	---	0	105	105	105	24	105	105	105	24	104	104	106	24	104	105	105	24
9/2	---	---	---	0	105	106	106	24	105	105	106	24	104	105	109	24	105	105	105	24
9/3	---	---	---	0	105	106	106	24	105	106	106	24	104	104	108	24	104	105	105	24
9/4	---	---	---	0	105	105	106	24	105	105	106	24	103	103	105	24	104	104	104	24
9/5	---	---	---	0	104	104	105	24	104	104	105	24	102	103	105	24	103	103	104	24
9/6	---	---	---	0	104	105	105	24	105	105	105	24	103	104	106	24	103	104	104	24
9/7	---	---	---	0	104	104	105	11	104	104	105	12	103	103	104	11	103	103	103	12
9/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. Tlwr</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
8/26	106	106	107	24	105	105	106	24	107	108	108	24	106	106	107	24	106	106	107	24
8/27	106	107	108	24	105	106	106	24	106	107	108	24	106	107	107	24	107	107	107	24
8/28	106	107	108	23	105	106	107	24	105	106	106	24	107	108	108	24	107	108	108	24
8/29	106	106	107	14	105	105	106	14	105	105	106	14	107	107	108	14	107	107	108	14
8/30	105	106	107	20	103	104	104	24	103	104	104	24	103	104	104	24	104	104	105	24
8/31	105	105	106	23	103	104	104	24	104	105	110	24	103	104	104	24	104	104	104	24
9/1	105	106	107	24	104	105	106	24	106	108	111	24	104	104	104	24	105	106	109	24
9/2	106	107	107	22	104	105	105	24	104	105	105	24	104	105	105	24	105	105	105	24
9/3	106	107	108	23	104	104	105	24	103	104	105	24	105	105	106	24	105	106	106	24
9/4	104	105	106	24	102	103	104	24	103	104	105	24	105	105	106	24	105	106	106	24
9/5	104	105	106	24	102	103	104	24	102	103	103	24	103	103	104	24	103	104	104	24
9/6	105	106	107	24	102	103	104	24	103	104	104	24	102	102	103	24	103	103	103	24
9/7	104	104	106	12	101	101	102	11	102	102	103	11	102	102	102	11	102	102	103	11
9/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
8/26	106	107	107	24	106	107	107	24	---	---	---	0	---	---	---	0	---	---	---	0
8/27	106	107	108	24	106	107	108	24	---	---	---	0	---	---	---	0	---	---	---	0
8/28	107	107	108	24	107	108	108	24	---	---	---	0	---	---	---	0	---	---	---	0
8/29	107	107	108	14	107	107	108	14	---	---	---	0	---	---	---	0	---	---	---	0
8/30	104	105	105	24	104	105	106	24	---	---	---	0	---	---	---	0	---	---	---	0
8/31	103	104	105	24	104	104	105	24	---	---	---	0	---	---	---	0	---	---	---	0
9/1	104	105	106	24	105	105	107	24	---	---	---	0	---	---	---	0	---	---	---	0
9/2	104	104	105	24	105	105	105	24	---	---	---	0	---	---	---	0	---	---	---	0
9/3	104	104	104	24	104	104	105	24	---	---	---	0	---	---	---	0	---	---	---	0
9/4	104	104	105	24	104	105	105	24	---	---	---	0	---	---	---	0	---	---	---	0
9/5	103	104	104	24	104	104	105	24	---	---	---	0	---	---	---	0	---	---	---	0
9/6	103	103	104	24	103	104	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/7	102	102	103	11	103	103	103	11	---	---	---	0	---	---	---	0	---	---	---	0
9/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

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

Total Dissolved Gas Saturation Data at Lower Columbia and Snake River Sites

Date	<u>Priest R. Dnst</u>			<u>Pasco</u>			<u>Dworshak</u>			<u>Clwrtr-Peck</u>			<u>Anatone</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High					
	Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg			Avg			
8/26	---	---	---	0	103	104	104	24	99	99	100	24	100	102	104	24	101	103	104	24
8/27	---	---	---	0	103	104	104	24	99	99	100	24	101	102	104	24	101	103	104	24
8/28	---	---	---	0	103	104	104	24	99	100	100	24	101	103	104	24	101	103	104	24
8/29	---	---	---	0	102	102	103	13	99	99	99	13	100	100	102	13	100	100	100	13
8/30	---	---	---	0	101	102	102	24	98	99	99	22	100	101	102	22	100	101	102	24
8/31	---	---	---	0	101	102	103	24	98	99	99	24	100	101	103	24	100	102	103	24
9/1	---	---	---	0	102	102	103	24	98	99	100	24	100	101	103	24	100	102	103	24
9/2	---	---	---	0	102	103	104	24	99	99	100	24	100	102	103	24	100	101	102	24
9/3	---	---	---	0	102	103	104	24	99	99	100	24	100	102	103	24	99	100	101	24
9/4	---	---	---	0	101	102	103	24	98	99	99	24	100	101	102	24	99	100	101	24
9/5	---	---	---	0	100	101	101	24	98	99	99	24	99	101	102	24	98	100	101	24
9/6	---	---	---	0	101	103	103	24	98	99	100	24	100	101	102	24	99	100	101	24
9/7	---	---	---	0	101	101	102	12	98	98	100	12	99	99	101	12	98	98	100	12
9/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clwrtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite TIwr</u>			<u>Little Goose</u>			<u>L. Goose TIwr</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High					
	Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg			Avg			
8/26	102	105	107	24	109	111	113	24	111	111	112	24	104	105	105	24	107	109	111	24
8/27	103	105	106	24	107	109	112	24	111	111	112	24	104	105	105	24	107	108	110	24
8/28	103	105	107	24	107	110	111	24	110	111	111	24	105	105	105	24	108	109	111	24
8/29	100	101	102	13	104	104	109	13	112	113	116	13	104	104	105	13	107	107	110	13
8/30	102	104	105	22	101	101	102	24	115	116	116	24	103	103	104	24	107	109	114	24
8/31	102	104	106	24	103	105	106	24	114	116	117	24	103	103	103	24	105	106	108	24
9/1	102	105	106	24	106	109	111	24	113	122	123	24	104	105	107	24	104	105	108	24
9/2	102	104	105	24	108	109	110	24	100	100	101	23	104	104	105	24	103	103	104	24
9/3	102	104	106	24	103	104	105	24	98	98	99	23	103	103	103	24	101	102	102	24
9/4	102	104	106	24	100	100	101	24	97	97	97	24	102	102	102	24	101	101	102	24
9/5	102	104	106	24	100	101	102	24	97	98	98	24	102	102	103	24	102	102	103	24
9/6	102	104	106	24	103	104	106	24	99	99	99	24	102	103	103	24	102	103	103	24
9/7	100	100	103	12	103	103	105	12	99	99	99	12	103	103	104	12	102	102	103	12
9/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Snake and Lower Columbia River Sites

Date	<u>Lower Mon.</u>			<u>L. Mon. TIwr</u>			<u>Ice Harbor</u>			<u>Ice Harbor TIwr</u>			<u>McNary-Oregon</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High					
	Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg			Avg			
8/26	104	105	105	24	111	112	115	24	107	107	107	24	110	111	111	24	104	106	107	24
8/27	105	106	106	24	110	111	111	24	107	107	107	24	110	111	111	24	106	107	108	24
8/28	107	107	107	24	111	112	114	24	107	108	108	24	110	111	112	24	107	109	112	24
8/29	106	106	107	13	109	109	110	13	107	107	108	13	108	108	110	13	103	104	108	13
8/30	104	104	105	24	111	113	116	24	105	106	106	24	111	113	114	24	103	104	105	24
8/31	104	104	104	24	111	112	114	24	105	106	106	24	110	111	112	24	103	104	105	24
9/1	104	104	104	24	104	105	111	24	105	106	106	24	107	108	109	24	103	105	107	24
9/2	104	104	104	24	104	104	105	24	105	105	105	24	106	106	107	24	104	105	107	24
9/3	104	104	105	24	104	105	106	24	104	104	105	24	105	105	106	24	103	104	105	24
9/4	104	104	104	24	104	104	104	24	104	105	105	24	105	106	106	24	103	103	103	24
9/5	103	103	103	24	104	104	104	24	105	105	106	24	105	106	107	24	103	104	105	24
9/6	103	103	103	24	103	104	105	24	106	106	106	24	106	107	109	24	103	104	105	24
9/7	102	102	103	12	102	102	103	12	105	105	105	12	105	105	106	12	101	101	104	12
9/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

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

Total Dissolved Gas Saturation Data at Lower Columbia 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
8/26	102	103	104	24	114	115	116	24	105	106	106	23	114	114	115	24	107	107	108	23
8/27	103	103	104	24	116	117	118	24	104	104	105	23	114	114	115	24	106	106	107	23
8/28	104	105	105	24	115	116	117	24	104	104	105	23	113	114	114	24	106	106	106	23
8/29	103	103	104	13	113	113	114	13	103	103	104	11	111	111	112	13	105	105	106	11
8/30	102	102	102	24	116	116	117	24	102	102	102	23	111	112	113	24	102	103	103	23
8/31	102	102	103	24	114	114	114	24	102	102	103	23	111	111	111	23	105	105	106	23
9/1	103	103	103	24	104	104	114	24	103	103	104	23	100	102	109	24	106	107	108	23
9/2	103	103	103	24	103	103	103	24	103	104	104	23	99	99	100	24	105	106	107	23
9/3	102	102	102	24	102	103	103	24	102	103	103	23	98	99	99	24	101	101	101	23
9/4	102	102	103	24	102	103	103	24	101	102	102	23	96	96	97	24	100	100	100	23
9/5	101	101	102	24	102	102	103	24	101	101	102	23	96	98	98	23	99	99	100	23
9/6	101	101	101	24	102	102	102	24	101	101	102	23	97	98	98	24	100	100	101	23
9/7	102	102	102	12	101	101	102	12	101	101	101	11	95	95	96	9	100	100	101	11
9/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>CamasWashougal</u>			<u>Cascade Island</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr				
8/26	112	113	113	24	106	106	107	23	115	115	116	23	112	114	114	24	114	114	114	17
8/27	112	112	113	24	107	107	107	23	115	115	116	23	113	113	114	24	115	116	118	17
8/28	112	113	113	24	106	106	107	23	115	116	117	23	112	113	114	24	115	115	115	17
8/29	110	110	111	12	104	104	105	11	113	113	114	7	110	110	111	12	114	114	114	15
8/30	110	110	111	24	103	103	103	23	114	115	116	23	112	113	114	24	115	116	118	17
8/31	110	111	111	24	103	104	104	23	115	116	117	23	112	113	114	24	114	114	114	8
9/1	107	109	111	24	105	106	106	23	107	108	112	23	111	112	113	23	---	---	---	0
9/2	105	106	106	24	106	106	106	23	106	106	107	23	105	105	107	24	---	---	---	0
9/3	100	101	101	24	104	105	105	23	105	106	106	23	105	105	106	24	---	---	---	0
9/4	100	100	101	24	103	103	104	23	104	105	106	23	104	104	104	24	---	---	---	0
9/5	99	100	100	24	101	101	102	23	102	103	104	23	103	104	104	24	---	---	---	0
9/6	99	100	100	20	101	101	101	23	103	103	104	23	103	103	104	24	---	---	---	0
9/7	100	100	101	11	100	100	101	11	101	101	102	11	102	102	103	12	---	---	---	0
9/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	107	107	108	11

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											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
08/26/2005	*	---	---	---	0	0	0	0	0	0	0
08/27/2005		---	---	---	0	0	0	0	0	0	0
08/28/2005		---	---	---	0	0	0	0	0	7	0
08/29/2005		---	---	---	0	0	0	0	0	0	0
08/30/2005		---	---	---	0	0	0	0	0	0	0
08/31/2005		---	---	---	0	0	0	0	0	0	0
09/01/2005	*	---	---	---	0	0	0	0	0	0	0
09/02/2005	*	---	---	---	0	0	0	---	0	0	0
09/03/2005		---	---	---	0	0	0	---	0	0	0
09/04/2005	*	---	---	---	0	0	1	---	0	0	0
09/05/2005	*	---	---	---	0	0	0	---	0	0	0
09/06/2005	*	---	---	---	0	0	0	---	0	0	0
09/07/2005	*	---	---	---	0	0	0	---	0	0	0
09/08/2005	*	---	---	---	0	0	0	---	0	0	0
09/09/2005	*	---	---	---	0	0	0	---	0	0	0
<hr/>											
Total:	0	0	0	0	0	0	1	0	0	7	0
# Days:	0	0	0	0	15	15	15	7	15	15	15
Average:	0	0	0	0	0	0	0	0	0	0	0
YTD	43,641	42,830	5,792	1,810	5,673,861	2,475,791	706,772	14,797	1,226,429	1,409,478	1,527,240

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)
08/26/2005	*	---	---	---	127	171	66	12	244	519	880
08/27/2005		---	---	---	157	80	57	3	279	355	483
08/28/2005		---	---	---	118	94	67	2	207	285	760
08/29/2005		---	---	---	109	90	29	2	113	214	1,019
08/30/2005		---	---	---	209	99	14	4	202	201	957
08/31/2005		---	---	---	70	30	14	7	178	194	717
09/01/2005	*	---	---	---	64	29	18	11	105	177	286
09/02/2005	*	---	---	---	41	52	41	---	144	165	145
09/03/2005		---	---	---	26	65	66	---	184	105	191
09/04/2005	*	---	---	---	37	38	86	---	160	86	166
09/05/2005	*	---	---	---	37	89	44	---	104	71	149
09/06/2005	*	---	---	---	31	141	32	---	84	35	136
09/07/2005	*	---	---	---	27	108	46	---	48	20	99
09/08/2005	*	---	---	---	12	41	8	---	48	41	18
09/09/2005	*	---	---	---	0	39	17	---	76	31	227
<hr/>											
Total:	0	0	0	0	1,065	1,166	605	41	2,176	2,499	6,233
# Days:	0	0	0	0	15	15	15	7	15	15	15
Average:	0	0	0	0	71	78	40	6	145	167	416
YTD	0	86	1,224	1,152	1,749,467	1,285,253	207,579	22,164	6,928,722	2,300,705	3,817,661

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)
08/26/2005	*	---	---	---	0	0	0	0	0	0	0
08/27/2005		---	---	---	0	0	0	0	0	0	0
08/28/2005		---	---	---	0	0	0	0	0	0	0
08/29/2005		---	---	---	0	0	0	0	0	0	0
08/30/2005		---	---	---	0	0	0	1	0	0	0
08/31/2005		---	---	---	0	0	0	0	0	0	0
09/01/2005	*	---	---	---	0	0	0	0	0	0	0
09/02/2005	*	---	---	---	0	0	0	---	0	0	0
09/03/2005		---	---	---	0	0	0	---	0	0	0
09/04/2005	*	---	---	---	0	0	0	---	0	0	0
09/05/2005	*	---	---	---	1	0	0	---	0	0	0
09/06/2005	*	---	---	---	0	0	0	---	0	0	0
09/07/2005	*	---	---	---	0	0	0	---	0	0	0
09/08/2005	*	---	---	---	0	0	1	---	0	0	0
09/09/2005	*	---	---	---	0	0	0	---	0	0	0
<hr/>											
Total:	0	0	0	0	1	0	1	1	0	0	0
# Days:	0	0	0	0	15	15	15	7	15	15	15
Average:	0	0	0	0	0	0	0	0	0	0	0
YTD	0	0	0	110	305,065	191,700	24,370	37,195	103,714	192,563	771,264

		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)
08/26/2005	*	---	---	---	0	0	0	0	0	22	0
08/27/2005		---	---	---	0	2	0	0	0	7	0
08/28/2005		---	---	---	0	0	2	0	0	29	0
08/29/2005		---	---	---	0	0	0	0	0	21	0
08/30/2005		---	---	---	0	0	2	0	0	14	0
08/31/2005		---	---	---	0	0	0	1	0	22	0
09/01/2005	*	---	---	---	0	0	0	0	0	7	9
09/02/2005	*	---	---	---	1	0	1	---	0	0	0
09/03/2005		---	---	---	0	1	0	---	0	15	0
09/04/2005	*	---	---	---	0	0	0	---	0	0	0
09/05/2005	*	---	---	---	0	0	1	---	0	25	0
09/06/2005	*	---	---	---	0	0	1	---	0	0	0
09/07/2005	*	---	---	---	0	1	0	---	0	5	0
09/08/2005	*	---	---	---	0	0	0	---	0	5	5
09/09/2005	*	---	---	---	0	0	1	---	0	5	0
<hr/>											
Total:	0	0	0	0	1	4	8	1	0	177	14
# Days:	0	0	0	0	15	15	15	7	15	15	15
Average:	0	0	0	0	0	0	1	0	0	12	1
YTD	3,754	35,536	2,454	7,263	5,935,709	2,921,848	675,547	15,974	196,392	526,592	186,515

Two-Week Summary of Passage Indices

Date	COMBINED SOCKEYE											
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)	
08/26/2005	*	---	---	---	0	0	0	1	0	0	0	
08/27/2005		---	---	---	0	0	0	0	0	0	0	
08/28/2005		---	---	---	2	0	0	0	0	0	0	
08/29/2005		---	---	---	2	0	0	0	0	0	0	
08/30/2005		---	---	---	0	0	0	3	0	0	0	
08/31/2005		---	---	---	0	0	0	3	0	7	0	
09/01/2005	*	---	---	---	0	0	0	1	0	0	0	
09/02/2005	*	---	---	---	0	0	1	---	0	5	0	
09/03/2005		---	---	---	0	0	0	---	4	0	0	
09/04/2005	*	---	---	---	0	0	0	---	0	0	0	
09/05/2005	*	---	---	---	0	0	0	---	0	5	0	
09/06/2005	*	---	---	---	0	0	0	---	0	0	0	
09/07/2005	*	---	---	---	0	0	0	---	0	0	0	
09/08/2005	*	---	---	---	0	0	0	---	0	0	0	
09/09/2005	*	---	---	---	0	0	0	---	0	0	0	

Total:		0	0	0	4	0	1	8	4	17	0	
# Days:		0	0	0	15	15	15	7	15	15	15	
Average:		0	0	0	0	0	0	1	0	1	0	
YTD		115	0	0	263	38,453	41,363	8,217	1,991	103,675	84,483	41,903

* See sampling comments <http://www.fpc.org/currentDaily/smpcomments.htm>

Smolt indices, clipped & unclipped or combined, are presented in the following order: yearling chinook (chinook 1's,) subyearling chinook (chinook 0's), steelhead, coho, and sockeye. Two classes of fish counts are shown in these tables: collection counts, which account for sample rates but are not adjusted for flow; and passage indices, which are collection counts divided by the proportion of water passing through the sampled powerhouse. Passage indices are not population estimates, but are used to adjust collection counts for daily fluctuations in the site's or project's operations. The classes of counts presented in the report are defined below for each site. Most samples occur over a 24-hr period that spans two calendar days. In this report, the date shown corresponds with the sample end date.

Definitions for Smolt Index Counts

- WTB (Collection) = Salmon River Trap at Whitebird : Collection Counts
- IMN (Collection) = Imnaha River Trap : Collection Counts
- GRN (Collection) = Grande Ronde River Trap : Collection Counts
- LEW (Collection) = Snake River Trap at Lewiston : Collection Counts
- LGR (Index) = Lower Granite Dam Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse 2 Flow} / (\text{Powerhouse 1 \& 2 Flow} + \text{Spill}) \}$
- MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse 2 Flow} / (\text{Powerhouse 1 \& 2 Flow} + \text{Spill}) \}$

JDA and BO2 data collected for the FPC by Pacific States Marine Fisheries Commission.
 RIS data collected for the FPC by Chelan Co. PUD/Washington Dept. of Fish and Wildlife.
 LGR, LMN, and MCN data collected for the FPC by Washington Dept. of Fish and Wildlife.
 LGS and GRN data collected for the FPC by Oregon Dept. of Fish and Wildlife.
 IMN data collected for the FPC by the Nez Perce Tribe.

Two Week Transportation Summary

Source: Fish Passage Center

Updated:

9/9/05 10:45 AM

08/27/05 TO 09/09/05

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	605			1	2	608
	Sum of NumberBarged	0			0	0	0
	Sum of NumberBypassed	1			0	0	1
	Sum of Numbertrucked	652			1	2	655
	Sum of SampleMorts	5			0	0	5
	Sum of FacilityMorts	0			0	0	0
	Sum of ResearchMorts	0			0	0	0
	Sum of TotalProjectMorts	5			0	0	5
LGS	Sum of NumberCollected	949				3	952
	Sum of NumberBarged	0				0	0
	Sum of NumberBypassed	2				1	3
	Sum of Numbertrucked	1,007				2	1,009
	Sum of SampleMorts	6				0	6
	Sum of FacilityMorts	5				0	5
	Sum of ResearchMorts	0				0	0
	Sum of TotalProjectMorts	11				0	11
LMN	Sum of NumberCollected	484		1	1	1	493
	Sum of NumberBarged	0		0	0	0	0
	Sum of NumberBypassed	5		0	0	0	5
	Sum of Numbertrucked	499		1	1	1	508
	Sum of SampleMorts	7		0	0	0	7
	Sum of FacilityMorts	1		0	0	0	1
	Sum of ResearchMorts	0		0	0	0	0
	Sum of TotalProjectMorts	8		0	0	0	8
MCN	Sum of NumberCollected	1,396				4	1,400
	Sum of NumberBarged	0				0	0
	Sum of NumberBypassed	0				0	0
	Sum of Numbertrucked	1,448				12	1,460
	Sum of SampleMorts	2				0	2
	Sum of FacilityMorts	21				0	21
	Sum of ResearchMorts	0				0	0
	Sum of TotalProjectMorts	23				0	23
Total Sum of NumberCollected		3,434		1	2	7	3,453
Total Sum of NumberBarged		0		0	0	0	0
Total Sum of NumberBypassed		8		0	0	0	9
Total Sum of Numbertrucked		3,606		1	2	15	3,632
Total Sum of SampleMorts		20		0	0	0	20
Total Sum of FacilityMorts		27		0	0	0	27
Total Sum of ResearchMorts		0		0	0	0	0
Total Sum of TotalProjectMorts		47		0	0	0	47

YTD Transportation Summary

Source: Fish Passage Center

Updated:

9/9/05 10:45 AM

TO: 09/09/05

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	1,575,545	5,537,386	286,010	31,629	5,590,782	13,021,352
	Sum of NumberBarged	1,546,272	5,235,734	257,640	30,286	5,094,008	12,163,940
	Sum of NumberBypassed	13,114	278,605	26,286	490	448,422	766,917
	Sum of NumberTrucked	3,596	8,885	874	495	43,018	56,868
	Sum of SampleMorts	460	453	16	16	72	1,017
	Sum of FacilityMorts	11,998	13,606	1,194	342	5,260	32,400
	Sum of ResearchMorts	93	103	0	0	2	198
	Sum of TotalProjectMorts	12,551	14,162	1,210	358	5,334	33,615
LGS	Sum of NumberCollected	1,195,185	2,451,001	185,964	38,766	2,857,086	6,728,002
	Sum of NumberBarged	1,135,442	2,015,572	151,226	37,716	2,276,701	5,616,657
	Sum of NumberBypassed	50,484	428,573	34,636	938	571,465	1,086,096
	Sum of NumberTrucked	5,848	252	16	47	450	6,613
	Sum of SampleMorts	244	128	12	6	74	464
	Sum of FacilityMorts	3,167	6,456	75	59	8,396	18,153
	Sum of ResearchMorts	0	20	0	0	0	20
	Sum of TotalProjectMorts	3,411	6,604	87	65	8,470	18,637
LMN	Sum of NumberCollected	177,571	670,864	21,562	7,345	614,132	1,491,474
	Sum of NumberBarged	168,777	512,012	17,036	7,156	456,619	1,161,600
	Sum of NumberBypassed	7,510	145,571	4,521	99	154,901	312,602
	Sum of NumberTrucked	828	12,717	3	61	2,258	15,867
	Sum of SampleMorts	140	40	0	3	26	209
	Sum of FacilityMorts	316	524	2	26	328	1,196
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	456	564	2	29	354	1,405
MCN	Sum of NumberCollected	4,223,422	722,362	61,227	60,082	119,415	5,186,508
	Sum of NumberBarged	2,877,055	17,125	931	1,075	5,462	2,901,648
	Sum of NumberBypassed	1,295,191	702,217	60,102	58,589	113,558	2,229,657
	Sum of NumberTrucked	25,592	0	2	28	4	25,626
	Sum of SampleMorts	818	120	8	18	8	972
	Sum of FacilityMorts	24,632	2,824	178	360	380	28,374
	Sum of ResearchMorts	134	76	6	12	3	231
	Sum of TotalProjectMorts	25,584	3,020	192	390	391	29,577
Total Sum of NumberCollected		7,171,723	9,381,613	554,763	137,822	9,181,415	26,427,336
Total Sum of NumberBarged		5,727,546	7,780,443	426,833	76,233	7,832,790	21,843,845
Total Sum of NumberBypassed		1,366,299	1,554,966	125,545	60,116	1,288,346	4,395,272
Total Sum of NumberTrucked		35,864	21,854	895	631	45,730	104,974
Total Sum of SampleMorts		1,662	741	36	43	180	2,662
Total Sum of FacilityMorts		40,113	23,410	1,449	787	14,364	80,123
Total Sum of ResearchMorts		227	199	6	12	5	449
Total Sum of TotalProjectMorts		42,002	24,350	1,491	842	14,549	83,234

Cumulative Adult Passage at Mainstem Dams Through: 09/08

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	74,038	4,288	170,152	8,885	145,297	8,221	78,373	4,467	92,143	12,889	54,750	7,484	192,092	6,986	265,979	15,877	172,943	13,661
TDA	60,956	3,209	130,240	7,717	99,119	5,946	69,436	3,481	79,495	8,430	47,296	5,446	80,590	4,881	112,374	10,501	75,079	6,989
JDA	55,877	2,715	112,153	6,367	82,666	4,703	63,589	5,358	72,518	10,542	44,153	5,186	48,036	3,726	68,811	8,790	46,435	4,837
MCN	51,855	3,201	107,497	7,682	76,092	4,941	63,780	3,081	65,457	8,760	43,906	5,144	30,046	2,116	43,382	5,101	29,788	3,243
IHR	28,039	1,267	77,106	4,646	51,680	3,159	8,837	983	13,173	3,012	10,235	1,807	2,478	432	5,664	2,190	2,561	546
LMN	25,933	1,002	71,578	3,785	49,507	2,979	8,347	802	10,593	2,196	9,755	1,500	2,026	228	4,001	698	1,870	337
LGS	23,995	923	62,458	3,404	47,589	3,042	6,970	974	9,304	2,263	8,528	1,742	1,317	191	2,660	656	1,274	208
LGR	26,028	1,258	70,742	4,482	47,410	3,274	6,736	1,078	8,767	2,510	8,638	1,901	1,014	186	1,565	566	872	193
PRD	14,148	515	13,521	1,020	15,454	477	62,172	1,900	67,060	5,613	39,202	1,885	5,318	100	10,810	1,042	10,004	810
RIS	11,908	504	10,918	958	12,149	699	54,033	2,443	62,311	4,834	36,079	4,459	2,838	286	4,324	598	3,215	740
RRH	4,568	417	4,365	734	4,426	242	42,348	2,261	41,532	8,093	26,362	2,921	1,689	235	2,767	455	2,340	681
WEL	4,897	99	4,615	178	3,006	190	31,038	697	31,474	1,373	19,609	1,386	759	79	1,790	157	932	208
WFA	35,595	1,184	96,319	757	n/a	n/a	---	---	---	---	---	---	0	0	226	16	n/a	n/a

DAM	Coho						Sockeye			Steelhead			
	2005		2004		10-Yr Avg.		2005	2004	10-Yr Avg.	10-Yr			Wild 2005
	Adult	Jack	Adult	Jack	Adult	Jack				2005	2004	Avg.	
BON	28,926	1,774	37,420	1,957	22,110	1,312	72,443	123,284	53,716	230,593	234,739	244,033	71,071
TDA	3,971	522	7,421	481	2,688	309	65,011	107,466	44,480	91,714	123,341	121,750	34,957
JDA	4,072	637	2,867	367	1,238	181	69,072	113,489	48,143	71,155	103,863	87,368	24,681
MCN	648	100	821	94	350	51	63,539	89,705	41,398	53,275	59,502	60,348	18,156
IHR	13	8	25	0	8	0	18	91	24	25,129	35,400	34,768	6,381
LMN	6	0	6	0	1	1	17	80	28	21,664	22,336	28,804	6,103
LGS	0	0	1	0	0	0	14	80	32	15,278	16,460	20,431	4,331
LGR	0	0	0	0	0	0	17	113	32	15,128	18,727	20,181	4,855
PRD	165	3	41	4	13	3	74,671	124,943	52,081	6,981	9,353	7,450	n/a
RIS	22	0	32	0	4	0	71,201	106,649	47,400	6,104	7,613	5,963	3,495
RRH	0	0	9	0	1	0	55,542	81,316	32,407	4,285	5,856	4,225	2,238
WEL	0	0	0	0	0	0	54,620	78,008	31,650	2,361	3,257	2,761	1,052
WFA	9	0	18	17	n/a	n/a	0	0	n/a	19,286	44,047	n/a	n/a

WFA is through 089/04; PRD, RIS, RRH, WEL are through 09/07. IHR is missing 09/07.

* Coho counts at PRD are incorrect and have been excluded. PRD is missing 8/12, 8/13, 8/14, 8/23.

On July 2 a shad was seen at RRH.

*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: 09/09/05

BON counts from January 1, 2005 to March 14, 2005 (our traditional counts begin March 15):

Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
15	0	256	-74

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

Steelhead
10,265

