



## Fish Passage Center

# Weekly Report #05 - 28

Sept 23, 2005

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### Summary of Events:

**Water Supply:** Precipitation has been well below average over most Columbia Basin locations with the exception of the Upper Columbia, which has received above average precipitation. Over the entire water year, precipitation remains slightly below average at most locations.

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

Location	Water Year 2005 September 1-19		Water Year 2005 October 1, 2004 to September 19, 2005	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.81	178	23.98	96
SNAKE RIVER Above Ice Harbor	0.31	46	16.62	95
Columbia Above The Dalles	0.92	112	20.35	89
Kootenai	1.87	182	24.61	96
Clark Fork	1.11	145	14.38	82
Flathead	2.09	202	23.28	101
Pend Oreille/Spokane	1.28	135	27.25	88
Central Washington	0.12	42	6.88	77
SNAKE RIVER Plain	0.21	40	12.84	114
Salmon/Boise/ Payette	0.29	45	15.92	80
Clearwater	0.36	33	24.30	80
SW Washington Cascades/Cowlitz	0.51	26	50.52	72
Willamette Valley	0.44	33	40.61	69

Columbia River flows are currently very low. Flows at Lower Granite are 19.1 Kcfs (9-22-05) and flows at McNary are 88.0 Kcfs (9-22-05).

Grand Coulee Reservoir has refilled to 1283.7 feet (9-22-05) since meeting its BiOp summer draft elevation of 1278 feet on August 31st, 2005. Currently outflows at Grand Coulee are 76.3 Kcfs.

The Libby Reservoir is currently at elevation 2437.0 feet with outflows of 8 Kcfs.

Hungry Horse is currently at an elevation of 3538.0 feet. Currently outflows at Hungry Horse are 1.2 Kcfs.

Dworshak is currently at an elevation of 1519.5 feet (9-22-05). Outflows at Dworshak were reduced to 1.5 Kcfs on 9-18-05 after drafting to elevation 1520 feet.

The Brownlee Reservoir was at an elevation of 2052.0 feet on September 22nd, 2005 with outflows at Hells Canyon ranging between 8.7 and 12.9 Kcfs over the last week.

**Smolt Monitoring:** Passage indices for subyearling Chinook were lower this week at all SMP sites. At Lower Granite Dam in the Lower Snake River the subyearling Chinook passage index averaged 6 per day this week compared to 27 the previous week. In the past two weeks no clipped subyearling Chinook have been collected in the sample compared to 206 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 9 per day average this week while the index was at 5 per day this week at Lower Monumental Dam.

Sampling ended at McNary Dam and

John Day Dam in the past week.

Bonneville Dam also saw subyearling Chinook indices decline this past week. At Bonneville Dam the subyearling index averaged 80 this past week down from 130 last

**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 fall, but the majority of those fish should migrate the following year. One hatchery release of spring Chinook salmon is scheduled for the S. Fk. Clearwater River (Newsome Creek) in

72.2% and 122.1% of the respective 2004 and 10-year average count. 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](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. Through September 20, approximately 257,500 Bright and 92,800 Tule fall Chinook were estimated at Bonneville Dam. The number of Bright fall Chinook counted at The Dalles Dam was 190,475 through September 22 with about 89,000 adult fall Chinook counted at McNary Dam. The turnoff of adult Chinook into the Snake River, Ice Harbor count, was 10,700 with the Mid-Columbia River, Priest Rapids count at 13,800 through 9/20.

The steelhead count at Bonneville Dam ranged from 2,173 to 3,924 per day for the past 2-weeks with this year's total of 271,384 about 96.6% and 94.9% of the respective 2004 count and 10-year average through September 22nd. Steelhead continued to move out of the Bonneville pool during the past two weeks with the peak daily count of 10,800 at the Dalles Dam on September 19. The cumulative steelhead count through September 22nd was 170,762, with the count differential between Bonneville and The Dalles Dam near 100,000, or approximately 63% of the steelhead counted at Bonneville have now passed The Dalles Dam. At McNary Dam, 115,314 steelhead have been counted to date with 63,148 counted into the Snake River (Ice Harbor) and about 9,700 counted into the Mid-Columbia River at Priest Rapids Dam.

The daily counts of coho salmon at Bonneville Dam ranged from near 4,000 per day early in the report week to about 500 by the end. The cumulative count was 58,850 adult fish through September 22nd. This total was less than the 2004 count but exceeded the 10-year average. The majority of these fish still remain and spawn in the Bonneville pool tributaries with those that pass The Dalles Dam destined for the Umatilla River, the Yakima River, tributaries of the upper Columbia River and the Snake River.

Hatchery Zone Release Report

	Friday 22-Sep-2005				Total Release
	Snake River	Mid-Columbia	Lower Columbia	Below Bonneville	
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 (Bonneville to McNary) reduced through the past two weeks and now are near 65 F at most projects. The water temperature at Lower Granite was down to 62 degrees in the tailwater with Ice Harbor still at the higher end with near 66 degrees F reported through 9/21.

At Bonneville Dam, numbers of adult fall Chinook salmon dropped to less than 5,000 per day on the final day of this report period, 9/22 after peaking on the 9th of September at 24,700. The season total of 361,321 adult Chinook salmon was

**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
09/09/05	55.9	0.2	58.5	0.0	59.7	0.0	60.9	0.0	60.9	0.0	63.9	1.9	63.0	0.9
09/10/05	36.5	0.1	36.3	0.0	37.4	0.0	39.0	0.0	39.7	0.0	56.5	1.9	53.4	0.5
09/11/05	46.6	0.2	46.9	0.0	48.4	0.0	45.1	0.0	45.5	0.0	42.1	1.6	45.2	0.7
09/12/05	64.7	0.1	67.2	0.0	65.3	0.0	62.8	0.0	62.5	0.0	64.0	1.8	59.1	0.5
09/13/05	70.1	0.1	66.7	0.0	64.8	0.0	65.2	0.0	67.1	0.0	64.9	1.7	60.6	0.7
09/14/05	73.3	0.2	68.4	0.0	68.5	0.0	68.1	0.0	68.1	0.0	71.7	2.0	66.6	0.7
09/15/05	80.4	0.1	78.2	0.0	78.8	0.0	76.5	0.0	76.1	0.0	76.8	2.0	66.9	0.8
09/16/05	69.6	0.2	72.1	0.0	72.2	0.0	72.4	0.0	72.1	0.0	78.0	2.1	75.0	1.1
09/17/05	40.6	0.1	39.7	0.0	40.6	0.0	41.4	0.0	42.0	0.0	65.3	1.7	71.3	0.9
09/18/05	38.4	0.1	42.6	0.0	43.6	0.0	46.0	0.0	46.1	0.0	48.3	1.4	42.1	0.5
09/19/05	93.2	0.1	87.5	0.0	87.6	0.0	83.0	0.0	82.6	0.0	72.6	1.8	64.6	0.6
09/20/05	90.3	0.1	87.1	0.0	85.3	0.0	88.4	0.0	88.1	0.0	89.5	2.1	82.9	0.9
09/21/05	69.3	0.2	71.5	0.0	72.1	0.0	72.6	0.0	71.0	0.0	78.4	0.9	82.0	0.9
09/22/05	76.3	0.1	80.2	0.0	81.4	0.0	80.2	0.0	78.3	0.0	86.9	1.9	84.1	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
09/09/05	7.1	0.0	8.7	10.2	19.3	0.0	19.2	0.0	15.1	0.0	15.5	0.0
09/10/05	7.1	0.0	8.5	8.8	20.5	0.0	21.0	0.0	21.7	0.0	20.9	0.0
09/11/05	7.1	0.0	8.6	8.7	19.8	0.0	20.7	0.0	21.3	0.0	20.9	0.0
09/12/05	7.1	0.0	9.5	9.0	19.6	0.0	21.4	0.0	22.1	0.0	20.9	0.0
09/13/05	7.1	0.0	9.3	8.8	20.2	0.0	18.5	0.0	18.5	0.0	18.3	0.0
09/14/05	6.8	0.0	9.3	8.9	16.1	0.0	14.1	0.0	13.7	0.0	13.2	0.0
09/15/05	3.5	0.0	10.3	9.9	14.2	0.0	14.0	0.0	13.7	0.0	13.0	0.0
09/16/05	3.5	0.0	9.6	9.2	14.3	0.0	13.4	0.0	14.7	0.0	12.5	0.0
09/17/05	3.3	0.0	9.9	8.7	15.7	0.0	13.3	0.0	14.4	0.0	12.6	0.0
09/18/05	1.5	0.0	10.3	8.7	15.5	0.0	13.0	0.0	12.6	0.0	13.1	0.0
09/19/05	1.6	0.0	9.5	8.7	14.6	0.0	14.8	0.0	14.5	0.0	13.2	0.0
09/20/05	1.6	0.0	10.7	8.7	13.9	0.0	13.0	0.0	14.3	0.0	12.2	0.0
09/21/05	1.6	0.0	10.0	11.7	14.3	0.0	14.0	0.0	15.3	0.0	12.4	0.0
09/22/05	1.6	0.0	---	---	19.1	0.0	16.0	0.0	16.1	0.0	19.8	0.0

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

Date	McNary		John Day		The Dalles		Bonneville			
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	PH1	PH2
09/09/05	100.4	0.0	91.2	1.6	93.8	0.0	95.3	1.5	18.5	68.8
09/10/05	78.8	0.0	80.1	0.9	81.3	0.0	88.0	1.5	19.9	60.1
09/11/05	68.4	0.0	68.7	0.9	69.5	0.0	75.3	1.5	16.4	50.9
09/12/05	79.8	0.0	81.4	1.0	85.4	0.0	90.0	1.5	22.2	59.8
09/13/05	86.6	0.0	86.6	1.0	89.3	0.0	91.9	1.6	21.4	62.4
09/14/05	77.7	0.0	77.6	0.9	79.4	0.0	83.7	1.5	11.5	64.3
09/15/05	86.9	0.0	78.5	0.9	79.1	0.0	82.7	1.4	10.5	64.2
09/16/05	82.2	0.0	81.5	0.9	86.3	0.0	91.9	1.4	18.6	65.1
09/17/05	93.3	0.0	85.9	0.9	90.6	0.0	91.0	1.3	16.0	66.9
09/18/05	72.3	0.0	78.8	1.0	79.1	0.0	87.9	1.3	12.6	67.1
09/19/05	66.7	0.0	67.8	1.0	69.4	0.0	74.9	1.3	19.0	47.7
09/20/05	86.3	0.0	80.0	0.8	81.9	0.0	84.5	1.3	16.7	59.7
09/21/05	110.5	0.0	106.5	0.9	109.5	0.0	111.9	1.4	34.3	69.5
09/22/05	88.0	0.0	89.5	0.8	91.4	0.0	95.2	1.4	19.4	67.6

## 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>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg		Avg	High		Avg	Avg
9/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/10	---	---	---	0	105	106	108	24	105	105	105	24	103	104	105	24	104	104	104	24
9/11	---	---	---	0	104	104	104	24	103	103	103	24	103	103	105	24	103	104	104	24
9/12	---	---	---	0	103	103	104	8	103	103	103	24	102	102	103	8	103	103	103	24
9/13	---	---	---	0	104	104	105	24	103	103	103	24	102	103	105	24	103	103	103	24
9/14	---	---	---	0	104	105	105	24	103	103	104	24	103	103	104	24	104	104	105	24
9/15	---	---	---	0	104	105	105	23	103	103	104	24	102	102	103	23	105	105	105	24
9/16	---	---	---	0	104	104	105	24	103	103	103	24	102	102	103	24	104	104	104	24
9/17	---	---	---	0	104	104	105	24	103	103	103	24	102	102	104	24	103	103	104	24
9/18	---	---	---	0	104	104	105	24	102	103	103	24	102	102	104	24	103	103	104	24
9/19	---	---	---	0	104	104	105	24	102	103	103	24	101	102	102	24	103	103	103	24
9/20	---	---	---	0	104	104	104	24	102	102	103	24	101	101	104	24	102	102	103	24
9/21	---	---	---	0	103	103	104	24	102	102	102	24	100	101	103	24	102	103	103	23
9/22	---	---	---	0	103	103	104	24	102	102	103	24	100	101	101	24	102	103	103	24

### Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>				<u>Rocky Reach</u>				<u>Rocky R. Tlwr</u>					
	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg		Avg	High		Avg	Avg
9/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/10	105	107	108	22	102	103	104	24	103	105	109	24	103	103	104	24	103	103	104	24
9/11	105	106	107	24	102	102	103	24	104	105	107	24	102	102	102	24	103	103	103	24
9/12	104	105	106	23	102	102	103	24	103	104	105	24	102	102	102	24	102	102	103	24
9/13	104	105	107	22	102	102	103	23	103	104	104	23	102	103	103	24	102	103	103	24
9/14	104	105	106	22	101	101	102	24	103	104	106	24	103	104	104	24	103	104	104	24
9/15	104	105	107	24	101	101	101	24	104	104	104	24	103	103	103	24	103	103	104	24
9/16	103	104	104	24	101	101	101	7	104	104	104	7	103	103	103	24	103	103	104	24
9/17	103	104	106	24	---	---	---	0	---	---	---	0	102	102	102	24	102	102	103	24
9/18	103	104	105	24	---	---	---	0	---	---	---	0	102	102	102	24	102	102	103	24
9/19	103	104	106	24	---	---	---	0	---	---	---	0	102	102	103	24	102	103	103	24
9/20	103	103	104	24	---	---	---	0	---	---	---	0	102	102	102	24	102	103	103	24
9/21	103	104	105	23	---	---	---	0	---	---	---	0	102	102	102	24	103	103	103	24
9/22	104	105	106	24	---	---	---	0	---	---	---	0	102	102	102	24	103	103	103	24

### Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>				<u>Wanapum Tlwr</u>				<u>Priest Rapids</u>					
	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg		Avg	High		Avg	Avg
9/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/10	102	103	104	24	103	104	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/11	102	103	103	24	103	103	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/12	103	103	103	24	103	103	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/13	102	102	103	24	103	103	103	24	---	---	---	0	---	---	---	0	---	---	---	0
9/14	103	103	104	24	103	104	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/15	103	104	104	24	104	104	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/16	103	103	104	24	103	103	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/17	102	102	103	24	103	103	103	24	---	---	---	0	---	---	---	0	---	---	---	0
9/18	102	102	103	24	102	103	103	24	---	---	---	0	---	---	---	0	---	---	---	0
9/19	102	102	102	24	102	103	103	24	---	---	---	0	---	---	---	0	---	---	---	0
9/20	102	102	102	24	102	102	103	24	---	---	---	0	---	---	---	0	---	---	---	0
9/21	102	102	102	24	102	102	102	24	---	---	---	0	---	---	---	0	---	---	---	0
9/22	102	102	102	24	102	102	102	24	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<u>Priest R. Dnst</u>			<u>Pasco</u>			<u>Dworshak</u>			<u>Clrwtr-Peck</u>			<u>Anatone</u>							
	<u>24 h</u>		<u>12 h</u>	#	<u>24 h</u>		<u>12 h</u>	#	<u>24 h</u>		<u>12 h</u>	#	<u>24 h</u>		<u>12 h</u>	#				
	<u>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>	<u>High</u>	
9/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/10	---	---	---	0	100	101	101	24	100	100	100	24	100	101	102	24	100	100	101	24
9/11	---	---	---	0	100	100	100	24	99	100	100	24	100	102	103	24	100	102	103	24
9/12	---	---	---	0	100	101	101	24	99	100	100	24	100	101	102	24	100	101	102	24
9/13	---	---	---	0	100	101	101	24	100	100	101	24	101	102	104	24	101	102	103	24
9/14	---	---	---	0	101	101	102	24	100	101	102	24	101	103	104	24	101	102	103	24
9/15	---	---	---	0	101	102	103	24	100	101	101	24	101	103	105	24	101	102	103	24
9/16	---	---	---	0	101	101	102	24	100	101	102	24	101	103	105	24	100	101	102	24
9/17	---	---	---	0	100	101	102	24	100	101	101	24	101	103	104	24	100	101	102	24
9/18	---	---	---	0	100	101	102	24	104	105	107	24	101	104	107	24	100	102	103	24
9/19	---	---	---	0	100	101	101	24	106	108	113	24	101	104	107	24	101	102	103	24
9/20	---	---	---	0	101	101	102	24	106	106	108	24	100	103	106	24	100	101	102	24
9/21	---	---	---	0	101	101	102	24	105	107	110	24	101	104	106	24	100	101	102	23
9/22	---	---	---	0	101	102	102	24	104	105	107	17	100	101	105	17	99	99	99	9

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

Date	<u>Clrwtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite Tlwr</u>			<u>Little Goose</u>			<u>L. Goose Tlwr</u>							
	<u>24 h</u>		<u>12 h</u>	#	<u>24 h</u>		<u>12 h</u>	#	<u>24 h</u>		<u>12 h</u>	#	<u>24 h</u>		<u>12 h</u>	#				
	<u>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>	<u>High</u>	
9/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/10	101	103	104	24	103	104	105	24	99	99	100	24	101	101	101	24	98	99	99	24
9/11	102	104	106	24	104	104	105	24	99	100	101	24	100	100	100	24	98	99	99	24
9/12	101	102	103	24	102	103	103	24	100	101	104	24	99	100	100	24	98	98	98	24
9/13	102	104	106	24	102	102	102	24	99	99	100	24	99	99	99	24	97	98	98	24
9/14	102	105	106	24	102	102	103	24	99	99	100	24	98	98	98	24	96	96	97	24
9/15	103	105	108	24	101	101	102	24	99	100	107	24	96	96	97	24	96	97	97	24
9/16	102	104	106	24	100	100	100	24	98	99	101	24	97	97	97	24	96	97	97	24
9/17	101	103	105	24	99	100	100	24	97	97	98	23	97	97	97	24	96	97	97	24
9/18	103	105	108	24	100	102	102	24	97	97	98	24	97	97	97	24	97	97	97	24
9/19	102	105	107	24	102	102	102	24	98	99	100	24	97	97	97	24	97	97	98	24
9/20	101	104	107	24	100	101	102	24	98	99	99	24	97	97	97	24	97	97	99	24
9/21	101	102	106	17	100	100	101	24	98	98	100	24	96	96	96	24	96	97	97	24
9/22	---	---	---	0	101	101	102	24	98	99	99	24	96	96	97	24	97	97	99	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>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>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>	
9/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/10	101	101	101	24	101	101	102	24	103	103	104	24	103	104	105	24	101	102	103	24
9/11	100	101	101	24	100	101	101	24	103	104	104	24	103	104	105	24	101	102	103	24
9/12	100	100	101	24	100	100	101	24	103	103	103	20	103	104	106	24	101	102	104	24
9/13	100	100	101	24	100	100	100	24	101	101	101	21	102	103	104	24	104	106	108	24
9/14	100	100	101	24	100	100	101	24	100	100	101	24	102	102	103	24	105	106	107	24
9/15	99	99	99	24	99	100	101	24	99	99	99	24	101	101	102	24	102	103	104	24
9/16	98	99	99	24	98	99	99	24	99	99	100	24	100	100	101	24	102	102	104	24
9/17	98	98	99	24	99	99	100	24	99	100	100	24	100	101	102	24	101	102	102	24
9/18	98	98	98	24	99	99	99	24	100	100	100	24	100	101	102	23	101	102	103	24
9/19	98	98	98	24	99	99	100	24	99	100	100	24	101	101	102	24	101	102	103	24
9/20	97	97	98	24	97	98	99	24	99	99	99	24	100	101	102	24	101	103	104	24
9/21	96	96	97	24	96	97	97	24	98	98	98	24	99	100	101	23	100	101	104	24
9/22	97	97	97	24	97	97	98	24	98	98	99	24	99	100	102	23	100	102	103	24

## 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>				
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg			
9/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/10	100	101	101	24	101	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
9/11	100	100	100	24	101	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
9/12	100	100	100	24	100	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
9/13	100	101	102	24	101	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
9/14	101	101	101	24	101	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
9/15	100	100	101	24	100	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0
9/16	101	101	102	24	101	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
9/17	100	101	101	24	100	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
9/18	100	100	101	24	100	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
9/19	100	100	100	24	100	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0
9/20	99	100	100	24	100	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0
9/21	100	100	100	24	100	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0
9/22	101	101	102	24	100	101	101	24	---	---	---	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>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>				
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg			
9/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/10	---	---	---	0	99	99	100	23	101	102	103	23	100	100	101	24	---	---	---	0
9/11	---	---	---	0	99	99	99	23	101	102	103	23	100	101	101	24	---	---	---	0
9/12	---	---	---	0	99	99	99	23	102	102	102	23	101	102	102	24	---	---	---	0
9/13	---	---	---	0	99	99	99	23	102	102	103	23	101	101	101	8	---	---	---	0
9/14	---	---	---	0	99	99	100	23	101	102	103	23	---	---	---	0	---	---	---	0
9/15	---	---	---	0	99	100	100	23	102	102	103	23	---	---	---	0	---	---	---	0
9/16	---	---	---	0	99	100	100	23	102	103	103	23	---	---	---	0	---	---	---	0
9/17	---	---	---	0	99	99	99	23	101	102	103	23	---	---	---	0	---	---	---	0
9/18	---	---	---	0	99	99	99	23	101	102	103	23	---	---	---	0	---	---	---	0
9/19	---	---	---	0	99	99	99	23	102	104	105	23	---	---	---	0	---	---	---	0
9/20	---	---	---	0	99	99	99	23	102	103	104	23	---	---	---	0	---	---	---	0
9/21	---	---	---	0	99	99	99	23	102	102	103	23	---	---	---	0	---	---	---	0
9/22	---	---	---	0	99	99	99	23	101	102	102	23	---	---	---	0	---	---	---	0

**Hatchery Release Summary - last two weeks**

**From: 9/9/2005 to 09/22/05**

no releases

**Hatchery Release Summary - next two weeks**

**From: 9/23/2005 to 10/6/2005**

<b>Agency</b>	<b>Hatchery</b>	<b>Species</b>	<b>Race</b>	<b>MigYr</b>	<b>NumRel</b>	<b>RelStart</b>	<b>RelEnd</b>	<b>RelSite</b>	<b>RelRiver</b>
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH1	SP	2006	79,000	10-03-05	10-28-05	Newsome Creek	S Fk Clearwater River

## 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>

<b>COMBINED YEARLING CHINOOK</b>											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
09/09/2005 *	---	---	---	---	0	0	0	---	0	0	0
09/10/2005	---	---	---	---	0	0	0	---	0	0	0
09/11/2005	---	---	---	---	0	0	0	---	0	0	0
09/12/2005	---	---	---	---	0	0	0	---	0	0	0
09/13/2005 *	---	---	---	---	0	0	0	---	0	0	0
09/14/2005 *	---	---	---	---	0	0	0	---	0	0	0
09/15/2005	---	---	---	---	0	0	0	---	0	0	0
09/16/2005 *	---	---	---	---	0	0	0	---	0	---	0
09/17/2005	---	---	---	---	0	0	0	---	---	---	0
09/18/2005	---	---	---	---	0	0	0	---	---	---	0
09/19/2005	---	---	---	---	0	0	0	---	---	---	0
09/20/2005	---	---	---	---	0	0	0	---	---	---	0
09/21/2005	---	---	---	---	0	0	0	---	---	---	0
09/22/2005	---	---	---	---	---	0	0	---	---	---	0
09/23/2005	---	---	---	---	---	0	0	---	---	---	---
<hr/>											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>8</b>	<b>7</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>43,641</b>	<b>42,830</b>	<b>5,792</b>	<b>1,810</b>	<b>5,673,861</b>	<b>2,475,791</b>	<b>706,772</b>	<b>14,797</b>	<b>1,226,429</b>	<b>1,409,478</b>	<b>1,527,240</b>

<b>COMBINED SUBYEARLING CHINOOK</b>											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
09/09/2005 *	---	---	---	---	18	39	17	---	76	31	227
09/10/2005	---	---	---	---	25	9	11	---	68	46	220
09/11/2005	---	---	---	---	27	28	6	---	60	30	139
09/12/2005	---	---	---	---	33	42	13	---	80	15	82
09/13/2005 *	---	---	---	---	48	15	5	---	48	15	77
09/14/2005 *	---	---	---	---	21	14	11	---	56	20	44
09/15/2005	---	---	---	---	16	3	4	---	36	15	71
09/16/2005 *	---	---	---	---	12	4	2	---	28	---	64
09/17/2005	---	---	---	---	7	5	3	---	---	---	92
09/18/2005	---	---	---	---	8	5	4	---	---	---	99
09/19/2005	---	---	---	---	2	27	5	---	---	---	53
09/20/2005	---	---	---	---	3	9	11	---	---	---	70
09/21/2005	---	---	---	---	4	12	7	---	---	---	77
09/22/2005	---	---	---	---	---	2	10	---	---	---	86
09/23/2005	---	---	---	---	---	3	31	---	---	---	---
<hr/>											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>224</b>	<b>217</b>	<b>140</b>	<b>0</b>	<b>452</b>	<b>172</b>	<b>1,401</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>8</b>	<b>7</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>14</b>	<b>9</b>	<b>0</b>	<b>57</b>	<b>25</b>	<b>100</b>
<b>YTD</b>	<b>0</b>	<b>86</b>	<b>1,224</b>	<b>1,152</b>	<b>1,749,673</b>	<b>1,285,431</b>	<b>207,702</b>	<b>22,164</b>	<b>6,929,098</b>	<b>2,300,846</b>	<b>3,818,835</b>



## Two-Week Summary of Passage Indices

COMBINED COHO												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
09/09/2005	*	---	---	---	---	1	0	0	---	0	0	0
09/10/2005		---	---	---	---	0	0	1	---	0	0	0
09/11/2005		---	---	---	---	0	0	0	---	0	0	0
09/12/2005		---	---	---	---	0	0	0	---	0	0	0
09/13/2005	*	---	---	---	---	0	0	0	---	0	0	0
09/14/2005	*	---	---	---	---	0	0	0	---	0	0	0
09/15/2005		---	---	---	---	0	0	0	---	0	0	0
09/16/2005	*	---	---	---	---	0	0	0	---	0	---	0
09/17/2005		---	---	---	---	0	0	0	---	---	---	0
09/18/2005		---	---	---	---	1	0	0	---	---	---	0
09/19/2005		---	---	---	---	1	0	0	---	---	---	0
09/20/2005		---	---	---	---	0	0	0	---	---	---	0
09/21/2005		---	---	---	---	0	0	0	---	---	---	0
09/22/2005		---	---	---	---	---	0	0	---	---	---	0
09/23/2005		---	---	---	---	---	0	0	---	---	---	---
<hr/>												
<b>Total:</b>		0	0	0	0	3	0	1	0	0	0	0
<b># Days:</b>		0	0	0	0	13	15	15	0	8	7	14
<b>Average:</b>		0	0	0	0	0	0	0	0	0	0	0
<b>YTD</b>		0	0	0	110	305,067	191,700	24,371	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)	
09/09/2005	*	---	---	---	---	0	0	1	---	0	5	0
09/10/2005		---	---	---	---	0	0	0	---	0	5	6
09/11/2005		---	---	---	---	0	0	0	---	0	15	0
09/12/2005		---	---	---	---	0	0	0	---	0	0	0
09/13/2005	*	---	---	---	---	0	0	0	---	0	15	0
09/14/2005	*	---	---	---	---	0	0	0	---	0	5	0
09/15/2005		---	---	---	---	0	0	0	---	0	5	0
09/16/2005	*	---	---	---	---	1	0	0	---	0	---	0
09/17/2005		---	---	---	---	0	0	0	---	---	---	0
09/18/2005		---	---	---	---	0	0	0	---	---	---	0
09/19/2005		---	---	---	---	0	1	0	---	---	---	0
09/20/2005		---	---	---	---	0	0	0	---	---	---	0
09/21/2005		---	---	---	---	0	0	0	---	---	---	0
09/22/2005		---	---	---	---	---	0	0	---	---	---	0
09/23/2005		---	---	---	---	---	0	1	---	---	---	---
<hr/>												
<b>Total:</b>		0	0	0	0	1	1	2	0	0	50	6
<b># Days:</b>		0	0	0	0	13	15	15	0	8	7	14
<b>Average:</b>		0	0	0	0	0	0	0	0	0	7	0
<b>YTD</b>		3,754	35,536	2,454	7,263	5,935,710	2,921,849	675,548	15,974	196,392	526,637	186,521

## 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)
09/09/2005 *	---	---	---	---	0	0	0	---	0	0	0
09/10/2005	---	---	---	---	0	0	0	---	0	0	0
09/11/2005	---	---	---	---	0	0	0	---	0	0	0
09/12/2005	---	---	---	---	0	0	0	---	0	0	0
09/13/2005 *	---	---	---	---	1	0	0	---	0	0	0
09/14/2005 *	---	---	---	---	0	1	0	---	0	0	0
09/15/2005	---	---	---	---	0	0	0	---	0	0	0
09/16/2005 *	---	---	---	---	0	0	0	---	0	---	0
09/17/2005	---	---	---	---	0	0	0	---	---	---	0
09/18/2005	---	---	---	---	0	0	0	---	---	---	0
09/19/2005	---	---	---	---	0	0	0	---	---	---	0
09/20/2005	---	---	---	---	0	0	0	---	---	---	0
09/21/2005	---	---	---	---	0	0	0	---	---	---	0
09/22/2005	---	---	---	---	---	0	1	---	---	---	0
09/23/2005	---	---	---	---	---	0	0	---	---	---	---
<hr/>											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>8</b>	<b>7</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>115</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>38,454</b>	<b>41,364</b>	<b>8,218</b>	<b>1,991</b>	<b>103,675</b>	<b>84,483</b>	<b>41,903</b>

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

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

### Definitions for Smolt Index Counts

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

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

## Two Week Transportation Summary

Source: Fish Passage Center

Updated:

9/23/05 11:40 AM

		09/10/05	TO	09/23/05			
		Species					
Site	Data	CH0	CO	SO	ST	Grand Total	
<b>LGR</b>	Sum of NumberCollected	224		3	1	1	229
	Sum of NumberBarged	0		0	0	0	0
	Sum of NumberBypassed	0		0	0	0	0
	Sum of Numbertrucked	227		3	1	1	232
	Sum of SampleMorts	9		0	0	0	9
	Sum of FacilityMorts	0		0	0	0	0
	Sum of ResearchMorts	0		0	0	0	0
	Sum of TotalProjectMorts	9		0	0	0	9
<b>LGS</b>	Sum of NumberCollected	217			1	1	219
	Sum of NumberBarged	0			0	0	0
	Sum of NumberBypassed	3			0	0	3
	Sum of Numbertrucked	250			1	1	252
	Sum of SampleMorts	3			0	0	3
	Sum of FacilityMorts	2			0	0	2
	Sum of ResearchMorts	0			0	0	0
	Sum of TotalProjectMorts	5			0	0	5
<b>LMN</b>	Sum of NumberCollected	140		1	1	2	144
	Sum of NumberBarged	0		0	0	0	0
	Sum of NumberBypassed	0		0	0	0	0
	Sum of Numbertrucked	143		2	1	2	148
	Sum of SampleMorts	4		0	0	0	4
	Sum of FacilityMorts	0		0	0	0	0
	Sum of ResearchMorts	0		0	0	0	0
	Sum of TotalProjectMorts	4		0	0	0	4
<b>MCN</b>	Sum of NumberCollected	452					452
	Sum of NumberBarged	0					0
	Sum of NumberBypassed	28					28
	Sum of Numbertrucked	467					467
	Sum of SampleMorts	1					1
	Sum of FacilityMorts	4					4
	Sum of ResearchMorts	0					0
	Sum of TotalProjectMorts	5					5
Total Sum of NumberCollected		1,033		4	3	4	1,044
Total Sum of NumberBarged		0		0	0	0	0
Total Sum of NumberBypassed		31		0	0	0	31
Total Sum of Numbertrucked		1,087		5	3	4	1,099
Total Sum of SampleMorts		17		0	0	0	17
Total Sum of FacilityMorts		6		0	0	0	6
Total Sum of ResearchMorts		0		0	0	0	0
Total Sum of TotalProjectMorts		23		0	0	0	23

**YTD Transportation Summary**

Source: Fish Passage Center

Updated:

9/23/05 11:40 AM

**TO: 09/23/05**

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	1,575,769	5,537,386	286,013	31,630	5,590,783	13,021,581
	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	3,823	8,885	877	496	43,019	57,100
	Sum of SampleMorts	469	453	16	16	72	1,026
	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	12,560	14,162	1,210	358	5,334	33,624
<b>LGS</b>	Sum of NumberCollected	1,195,363	2,451,001	185,964	38,767	2,857,087	6,728,182
	Sum of NumberBarged	1,135,442	2,015,572	151,226	37,716	2,276,701	5,616,657
	Sum of NumberBypassed	50,486	428,573	34,636	938	571,465	1,086,098
	Sum of NumberTrucked	6,021	252	16	48	451	6,788
	Sum of SampleMorts	246	128	12	6	74	466
	Sum of FacilityMorts	3,169	6,456	75	59	8,396	18,155
	Sum of ResearchMorts	0	20	0	0	0	20
	Sum of TotalProjectMorts	3,415	6,604	87	65	8,470	18,641
<b>LMN</b>	Sum of NumberCollected	177,694	670,864	21,563	7,346	614,133	1,491,600
	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	947	12,717	4	62	2,259	15,989
	Sum of SampleMorts	144	40	0	3	26	213
	Sum of FacilityMorts	316	524	2	26	328	1,196
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	460	564	2	29	354	1,409
<b>MCN</b>	Sum of NumberCollected	4,223,798	722,362	61,227	60,082	119,415	5,186,884
	Sum of NumberBarged	2,877,055	17,125	931	1,075	5,462	2,901,648
	Sum of NumberBypassed	1,295,219	702,217	60,102	58,589	113,558	2,229,685
	Sum of NumberTrucked	25,935	0	2	28	4	25,969
	Sum of SampleMorts	819	120	8	18	8	973
	Sum of FacilityMorts	24,636	2,824	178	360	380	28,378
	Sum of ResearchMorts	134	76	6	12	3	231
	Sum of TotalProjectMorts	25,589	3,020	192	390	391	29,582
Total Sum of NumberCollected		7,172,624	9,381,613	554,767	137,825	9,181,418	26,428,247
Total Sum of NumberBarged		5,727,546	7,780,443	426,833	76,233	7,832,790	21,843,845
Total Sum of NumberBypassed		1,366,329	1,554,966	125,545	60,116	1,288,346	4,395,302
Total Sum of NumberTrucked		36,726	21,854	899	634	45,733	105,846
Total Sum of SampleMorts		1,678	741	36	43	180	2,678
Total Sum of FacilityMorts		40,119	23,410	1,449	787	14,364	80,129
Total Sum of ResearchMorts		227	199	6	12	5	449
Total Sum of TotalProjectMorts		42,024	24,350	1,491	842	14,549	83,256

**Cumulative Adult Passage at Mainstem Dams Through: 09/22**

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	361,321	15,101	500,816	29,706	295,969	29,079
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	190,475	12,553	231,737	23,748	142,091	18,667
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	139,880	9,947	158,441	21,391	97,714	14,504
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	88,920	7,382	115,349	16,142	71,832	10,853
IHR	28,039	1,267	77,106	4,646	51,680	3,159	8,837	983	13,173	3,012	10,235	1,807	10,694	2,358	15,897	7,838	6,792	2,636
LMN	25,933	1,002	71,578	3,785	49,507	2,979	8,347	802	10,593	2,196	9,755	1,500	8,927	1,290	14,794	3,805	5,603	1,823
LGS	23,995	923	62,458	3,404	47,589	3,042	6,970	974	9,304	2,263	8,528	1,742	7,137	1,000	12,624	3,713	4,351	1,258
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	6,850	1,477	9,406	4,188	3,476	1,325
PRD	14,148	515	13,521	1,020	15,454	477	62,172	1,900	67,060	5,613	39,202	1,885	13,758	241	25,763	2,284	18,096	1,714
RIS	11,908	504	10,918	958	12,149	699	54,033	2,443	62,311	4,834	36,079	4,459	4,015	396	9,368	1,260	5,943	1,233
RRH	4,568	417	4,365	734	4,426	242	42,348	2,261	41,532	8,093	26,362	2,921	2,456	335	5,702	935	3,950	1,107
WEL	4,897	99	4,615	178	3,006	190	31,038	697	31,474	1,373	19,609	1,386	1,605	183	3,812	362	1,793	380
WFA	35,453	1,180	96,319	757	n/a	n/a	---	---	---	---	---	---	612	58	664	115	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	58,850	3,552	71,843	3,374	54,165	3,099	72,447	123,286	53,716	271,384	280,960	285,967	79,320
TDA	16,550	1,723	24,985	1,487	11,501	1,182	65,011	107,466	44,480	170,762	190,313	182,767	55,401
JDA	15,597	2,130	18,557	1,582	7,482	942	69,075	113,492	48,145	145,901	168,623	150,639	43,618
MCN	8,319	702	8,340	588	2,978	318	63,542	89,707	41,398	115,314	131,985	106,048	32,993
IHR	413	23	985	8	153	5	18	91	24	63,148	98,360	71,005	15,011
LMN	401	6	717	44	82	4	17	80	28	53,021	78,037	60,673	13,559
LGS	375	49	516	30	58	1	14	80	32	42,414	69,232	47,085	10,154
LGR	130	11	418	35	51	3	17	113	32	36,653	67,376	44,169	9,699
PRD	501	49	1,664	525	338	90	74,672	124,943	52,082	9,679	15,640	10,307	n/a
RIS	152	0	557	0	160	0	71,208	106,662	47,443	7,935	15,454	9,107	4,254
RRH	6	0	100	0	20	0	55,555	81,333	32,416	5,588	10,923	6,541	2,661
WEL	1	0	7	0	0	0	54,656	78,043	31,666	3,873	6,300	4,343	1,563
WFA	292	108	864	257	n/a	n/a	0	0	n/a	19,396	44,341	n/a	n/a

WFA and PRD are through 9/20; RIS, RRH, WEL are through 09/21. 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: 09/23/05

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
31,790