



## Fish Passage Center

# Weekly Report #03 - 27

Sept. 26, 2003

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### Summary of Events:

**Water Supply:** Precipitation throughout the Columbia Basin has varied over the first three weeks of September ranging between 50% and 147% of average at the sites listed in Table 1. With one week remaining in the water year, precipitation has ranged between 71% and 98% of average at the listed sites.

**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	September 1-22 2003		Cumulative October, 1 2002 to September 22, 2003	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.49	127	20.54	82
SNAKE RIVER ABOVE ICE HARBOR	0.62	80	16.02	91
Columbia Above The Dalles	1.12	118	20.02	87
Kootenai	1.74	147	19.70	76
Clark Fork	0.83	94	14.95	85
Flathead	1.66	139	17.56	76
Pend Oreille/Spokane	1.27	116	27.91	90
Central Washington	0.27	83	8.80	97
SNAKE RIVER PLAIN	0.35	56	8.11	71
Salmon/Boise/Payette	0.38	50	18.92	95
Clearwater	1.19	96	29.95	98
SW Washington Cascades/Cowlitz	1.86	82	59.04	83
Willamette Valley	1.82	116	53.29	90

Libby Reservoir is currently at an elevation of 2434.3 feet, and has drafted 0.6 feet in the last week. Outflows are currently 6.0 Kcfs and the COE plans to reduce outflows to the minimum of 4.0 Kcfs by September 29th.

Hungry Horse Reservoir is at an elevation of 3536.4 feet and has been drafted approximately 0.9 feet over the last week. Outflows have ranged between 2.0 and 2.1 Kcfs.

Dworshak Reservoir is currently at an elevation of 1519.1 feet, and has drafted 0.6 feet in the last week. Supplemental outflows from Dworshak to moderate temperatures in the Lower Snake River ended on September 14, 2003; Dworshak is currently at minimum outflows.

Grand Coulee Reservoir ended September 25th at an elevation of 1284.0 feet. Outflows over the last week have ranged between a daily average of 55.0 and 89.8 Kcfs.

Brownlee Reservoir was at an elevation of 2041.0 on September 25th, drafting 5.3 feet in the last week. Outflows at Brownlee have been fluctuating between 12.9 and 16.0 Kcfs over the week.

**Smolt Monitoring:** At Lower Granite Dam the average daily index for subyearling chinook increased from 120 last week to 150 per day this week, with a relatively large daily count of 524 on September 25. Based on PIT-tag detections at Lower Granite it appears a good portion of these fish may be from a release at Cherry Lane Hatchery on June 19 in the Clearwater River. There was a decrease at Little Goose Dam, with an average index of 90 this week compared to 110 last week. At Lower Monumental the daily average index continued to decline, as subyearling indices averaged 44 this week compared to 75 last week.

In the Lower Columbia, at McNary, the daily average index for subyearling chinook was down to 22 per day this week compared to 25 last week. McNary has had several days of incomplete samples as the COE operated the primary bypass during night-time hours to pass large numbers of juvenile shad. At Bonneville Dam, the average daily index for subyearling chinook was at 100 this week compared to 330 last week.

**Hatchery Releases** - The preliminary total of juvenile salmonids released from Columbia River Basin hatcheries above Bonneville Dam for the 2003 migration season is estimated to be nearly 87.3 million. Supplemental and planned releases will be completed this fall season; these release groups will primarily be considered as 2004 migrants.

**Adult Fish Passage** - Over the past week at Bonneville Dam, daily counts of adult fall chinook have ranged between 11,668 and 5,139. The cumulative count through September 25 has been 568,046; this total is about 127% and 254% of the respective 2002 and 10-year average. Last week it was reported that two turbine units began operating at the Old Powerhouse on 9/12/03 in an effort to spread out passage at the Bonneville project. The COE reported this week that they are now back to normal fish ladder operations.

Numbers of "Tule" stock fall chinook peaked at 20,000 on 9/12. Since August 15 and through 9/23 about 167,473 Tule fall chinook have been tallied with the remainder of the chinook being the

upriver bright chinook, 388,688. The Tule fall chinook mainly migrates and spawns in rivers located below The Dalles Dam with Spring Creek NFH being the primary site that these fish return in the Bonneville Pool.

Upriver bright fall chinook counts past The Dalles Dam ranged from 8,810 to 4,610 for the week with McNary Dam having counts that ranged between 7,167 and 5,361. The cumulative count at McNary Dam was 141,374 through September 25. At Priest Rapids Dam, adult fall chinook counts ranged between 1,033 and 1,618 with the cumulative total being 32,711 through the 24th. At Ice Harbor Dam, the high daily count for the week was 1,159 with the cumulative count at 15,776 through the 25th.

Numbers of steelhead at Bonneville Dam ranged between 2,798 and 1,510 for the week. The cumulative count through September 25 was 341,893 and compares to 442,292 in 2002 and 261,460 for the 10-year average. The steelhead counts at The Dalles Dam have ranged from 7,765 to 2,507 for the week. Steelhead migration from some of the lower river tributaries should continue as they begin their upstream migration during upcoming weeks. At McNary Dam, daily counts of adult steelhead ranged from 5,430 to 7,898 with the cumulative total now at 156,352. Migration up the Mid-Columbia was 206-338 per day at Priest Rapids Dam, over the past week. At Ice Harbor Dam, steelhead counts ranged from 4,490 to 8,514 per day, an increase from the previous week. The cumulative count for Priest Rapids Dam was 15,132 through September 24th with Ice Harbor at 112,373 through September 25th.

At Bonneville Dam, adult coho counts ranged from a low of 1,150 to a high of 2,112 for the week with the cumulative count through September 25th at 88,393. This total was 2.0 times greater than the 2002 count and 2.1 times greater than the 10-year average. About 24,749 of these fish have passed The Dalles Dam and will be destined for upstream sites in the Mid-Columbia area, the Yakama River basin, the Umatilla River basin and the Clearwater River basin. The majority of coho salmon returning to the Bonneville pool are destined for the Little White Salmon and Klickitat rivers.

**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
09/12/03	61.5	0.1	64.8	0.0	69.5	0.0	70.0	0.0	69.4	0.0	65.8	1.8	62.1	1.0
09/13/03	45.8	0.2	42.8	0.0	35.6	0.0	37.8	0.0	39.1	0.0	54.0	1.7	56.6	1.1
09/14/03	35.8	0.2	40.2	0.0	38.9	0.0	43.0	0.0	42.5	0.0	42.0	1.7	40.9	0.7
09/15/03	81.0	0.2	79.5	0.0	71.7	0.0	71.6	0.0	71.6	0.0	68.6	1.8	56.7	1.0
09/16/03	59.1	0.2	61.7	0.0	63.6	0.0	65.8	0.0	64.5	0.0	79.2	2.0	75.8	1.1
09/17/03	52.1	0.1	53.8	0.0	53.6	0.0	53.5	0.0	53.6	0.0	69.2	1.5	67.6	1.0
09/18/03	57.0	0.1	56.8	0.0	57.3	0.0	62.3	0.0	62.2	0.0	60.7	1.4	56.5	1.0
09/19/03	62.2	0.1	64.9	0.0	61.9	0.0	58.0	0.0	58.4	0.0	60.2	1.5	55.2	1.1
09/20/03	55.0	0.2	53.1	0.0	53.6	0.0	54.4	0.0	54.1	0.0	59.4	1.5	61.1	1.0
09/21/03	63.5	0.1	65.3	0.0	63.3	0.0	62.7	0.0	61.6	0.0	53.9	1.5	54.0	1.0
09/22/03	76.1	0.2	77.9	0.0	78.3	0.0	79.5	0.0	79.6	0.0	87.4	1.9	81.1	1.1
09/23/03	68.0	0.2	68.3	0.0	66.8	0.0	68.6	0.0	66.2	0.0	68.9	1.8	66.2	1.0
09/24/03	75.6	0.2	76.1	0.0	74.2	0.0	69.9	0.0	69.0	0.0	74.7	1.8	74.1	1.1
09/25/03	89.8	0.2	89.5	0.0	86.5	0.0	86.6	0.0	85.3	0.0	87.0	2.0	84.1	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
09/12/03	4.7	0.0	9.0	11.9	20.8	0.0	19.6	0.0	17.4	0.0	17.1	0.0
09/13/03	4.7	0.0	9.4	9.5	21.1	0.0	22.3	0.0	23.9	0.0	21.2	0.0
09/14/03	4.7	0.0	9.5	10.8	18.4	0.0	17.7	0.0	19.6	0.0	20.9	0.0
09/15/03	1.6	0.0	9.9	14.0	19.4	0.0	21.4	0.0	21.6	0.0	20.8	0.0
09/16/03	1.6	0.0	9.7	11.4	19.2	0.0	18.9	0.0	20.1	0.0	19.2	0.0
09/17/03	1.6	0.0	10.3	12.8	18.1	0.0	17.3	0.0	18.6	0.0	20.2	0.0
09/18/03	1.6	0.0	9.3	13.5	18.6	0.0	17.8	0.0	17.4	0.0	16.8	0.0
09/19/03	1.6	0.0	10.4	15.6	19.7	0.0	20.1	0.0	21.3	0.0	18.9	0.0
09/20/03	1.6	0.0	10.2	12.8	21.9	0.0	20.9	0.0	21.3	0.0	17.7	0.0
09/21/03	1.6	0.0	9.5	13.7	18.1	0.0	18.2	0.0	19.1	0.0	18.2	0.0
09/22/03	1.6	0.0	8.8	14.2	21.4	0.0	21.8	0.0	22.3	0.0	21.9	0.0
09/23/03	1.6	0.0	10.4	16.3	21.1	0.0	20.3	0.0	21.3	0.0	20.6	0.0
09/24/03	1.6	0.0	10.3	14.8	21.9	0.0	23.8	0.0	24.8	0.0	22.3	0.0
09/25/03	1.6	0.0	---	---	19.3	0.0	19.2	0.0	21.5	0.0	20.3	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
09/12/03	66.3	0.0	69.4	0.0	75.7	0.0	78.3	2.4	10.2	58.9
09/13/03	84.3	0.0	76.9	0.0	80.3	0.0	85.7	2.6	17.6	59.2
09/14/03	74.2	0.0	73.0	0.0	77.1	0.0	80.7	2.5	16.4	55.1
09/15/03	65.5	0.0	67.7	0.0	76.4	0.0	81.3	2.4	14.7	57.5
09/16/03	93.7	0.0	92.9	0.0	96.0	0.0	94.0	2.4	16.6	68.2
09/17/03	89.6	0.0	89.2	0.0	94.8	0.0	100.7	2.4	16.2	75.4
09/18/03	78.7	0.0	83.2	0.0	88.1	0.0	91.5	2.5	16.4	66.0
09/19/03	83.8	0.0	78.0	0.0	81.9	0.0	90.0	2.6	15.8	64.9
09/20/03	71.3	0.0	70.2	0.0	76.3	0.0	81.0	2.2	16.7	55.4
09/21/03	78.1	0.0	76.1	0.0	79.3	0.0	84.3	2.4	15.9	59.4
09/22/03	98.8	0.0	101.3	0.0	106.1	0.0	105.7	2.5	16.3	79.4
09/23/03	109.4	0.0	107.9	0.0	115.8	0.0	121.7	2.4	16.9	95.7
09/24/03	94.0	0.0	96.5	0.0	100.4	0.0	107.4	2.4	2.1	96.1
09/25/03	99.2	0.0	95.9	0.0	99.7	0.0	101.2	2.5	4.9	87.2

## 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
9/12	---	---	---	0	100	101	101	24	104	104	104	23	103	103	105	24	103	103	103	23
9/13	---	---	---	0	99	99	100	24	103	103	103	24	102	103	104	24	102	103	103	23
9/14	---	---	---	0	100	101	101	24	103	103	104	24	103	104	104	24	103	104	104	23
9/15	---	---	---	0	101	102	102	24	103	103	104	24	103	103	104	24	104	104	105	23
9/16	---	---	---	0	102	102	103	24	103	103	104	24	103	103	104	24	103	103	104	11
9/17	---	---	---	0	102	103	106	24	102	102	103	24	102	102	102	24	---	---	---	0
9/18	---	---	---	0	101	102	102	21	103	103	103	24	102	102	102	24	---	---	---	0
9/19	---	---	---	0	102	102	103	24	103	103	104	24	102	102	102	103	24	---	---	0
9/20	---	---	---	0	101	102	103	24	102	103	103	24	101	102	102	24	---	---	---	0
9/21	---	---	---	0	101	102	102	24	102	102	102	24	101	102	102	24	---	---	---	0
9/22	---	---	---	0	100	101	102	15	102	103	103	24	101	102	102	24	---	---	---	0
9/23	---	---	---	0	---	---	---	0	102	102	104	24	101	101	102	24	---	---	---	0
9/24	---	---	---	0	---	---	---	0	101	101	101	24	101	101	104	24	---	---	---	0
9/25	---	---	---	0	---	---	---	0	100	101	101	24	101	101	105	24	---	---	---	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>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
9/12	103	104	107	22	101	102	102	24	101	102	103	24	105	105	105	14	110	110	110	14
9/13	103	105	106	23	100	101	102	24	102	104	107	24	---	---	---	0	---	---	---	0
9/14	104	105	106	23	101	103	104	24	104	106	109	24	---	---	---	0	---	---	---	0
9/15	104	104	106	23	103	104	104	24	103	104	106	24	---	---	---	0	---	---	---	0
9/16	103	103	103	11	103	103	104	24	103	104	105	24	---	---	---	0	---	---	---	0
9/17	---	---	---	0	102	102	103	24	101	102	102	24	---	---	---	0	---	---	---	0
9/18	---	---	---	0	101	102	102	24	101	102	102	24	---	---	---	0	---	---	---	0
9/19	---	---	---	0	101	101	103	12	100	100	102	12	---	---	---	0	---	---	---	0
9/20	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/21	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/22	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/25	---	---	---	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>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
9/12	97	97	100	8	102	102	103	14	100	101	101	24	100	101	101	24	100	100	101	24
9/13	---	---	---	0	---	---	---	0	100	100	100	24	100	100	101	24	100	100	100	24
9/14	---	---	---	0	---	---	---	0	101	102	102	24	101	101	102	24	101	101	102	24
9/15	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/16	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/17	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/18	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/19	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/20	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/21	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/22	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/25	---	---	---	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>	#	<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		hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg		hr			
9/12	101	102	102	24	100	101	102	21	99	99	101	24	101	102	103	24	101	101	102	24
9/13	101	102	102	24	101	102	102	24	99	99	100	24	100	102	103	24	101	102	104	23
9/14	102	103	104	24	102	103	103	24	100	100	101	24	101	102	103	24	102	103	104	24
9/15	---	---	---	0	102	103	103	24	105	106	107	24	103	106	109	24	102	103	104	24
9/16	---	---	---	0	101	102	102	24	105	106	106	24	102	104	106	24	101	101	102	24
9/17	---	---	---	0	100	100	101	24	104	105	105	24	102	104	106	24	100	101	102	24
9/18	---	---	---	0	100	101	102	24	105	106	107	24	102	105	107	24	101	103	104	24
9/19	---	---	---	0	101	101	103	17	105	106	107	21	103	106	109	21	101	101	103	14
9/20	---	---	---	0	101	101	102	21	105	105	106	24	102	105	107	24	101	102	103	24
9/21	---	---	---	0	101	101	102	21	104	105	106	24	102	105	107	24	101	102	104	24
9/22	---	---	---	0	102	103	104	24	105	106	107	24	103	105	108	24	102	103	104	24
9/23	---	---	---	0	102	102	103	24	106	107	108	24	100	100	101	5	101	101	101	9
9/24	---	---	---	0	102	103	103	24	105	106	107	24	---	---	---	0	---	---	---	0
9/25	---	---	---	0	102	103	103	24	105	106	107	24	---	---	---	0	---	---	---	0

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

Date	<u>Clwrtr-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>	#	<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		hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg		hr			
9/12	102	103	105	24	98	98	99	24	97	98	99	24	95	96	96	23	96	96	96	24
9/13	102	104	106	24	98	99	100	24	97	97	98	23	95	95	96	17	96	96	96	20
9/14	102	104	106	24	100	100	101	24	98	99	99	24	96	96	97	24	96	97	97	24
9/15	103	106	108	24	99	99	100	24	---	---	---	0	96	97	97	24	97	97	97	24
9/16	100	102	103	24	98	99	99	24	99	100	101	24	96	97	97	24	97	97	97	24
9/17	101	103	105	24	97	97	98	24	98	98	99	24	95	95	96	24	96	96	97	24
9/18	102	104	107	24	98	99	100	24	98	98	99	24	96	96	96	24	96	97	97	24
9/19	102	104	107	21	99	99	99	17	98	98	99	17	96	96	96	17	96	96	97	16
9/20	101	104	106	24	97	98	98	24	98	98	100	24	95	96	96	24	96	96	96	24
9/21	101	104	106	24	98	99	100	24	98	98	99	24	95	95	96	15	96	96	99	23
9/22	102	104	107	24	101	103	105	23	99	100	100	24	95	95	96	9	96	96	98	9
9/23	99	99	100	5	101	102	104	24	100	100	101	24	---	---	---	0	---	---	---	0
9/24	---	---	---	0	102	104	105	24	99	100	101	24	---	---	---	0	---	---	---	0
9/25	---	---	---	0	101	102	103	24	100	100	101	24	---	---	---	0	---	---	---	0

### 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>	#	<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		hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg		hr			
9/12	97	97	97	24	97	99	107	24	97	97	98	24	99	99	100	24	99	99	100	24
9/13	96	96	97	24	96	97	98	24	97	98	101	22	98	98	100	16	99	100	102	24
9/14	97	97	98	24	97	98	99	24	98	99	100	24	---	---	---	0	101	103	105	24
9/15	97	97	98	24	97	98	98	24	99	100	104	24	---	---	---	0	100	101	103	24
9/16	97	97	97	24	97	97	97	24	97	98	98	24	99	99	102	9	99	99	99	24
9/17	96	96	96	24	96	97	98	24	97	97	98	24	98	99	99	24	99	100	100	24
9/18	96	97	98	24	96	97	98	20	97	97	98	24	99	100	101	24	100	101	102	24
9/19	96	96	96	17	96	96	98	13	96	96	97	14	99	100	102	18	100	100	101	17
9/20	96	96	96	24	96	96	97	23	96	96	97	22	98	99	100	24	99	99	101	24
9/21	96	96	96	24	96	96	97	15	96	96	98	22	98	98	99	24	98	99	102	24
9/22	96	96	96	9	95	95	96	9	98	99	100	24	98	99	100	24	101	104	105	24
9/23	---	---	---	0	---	---	---	0	97	98	99	24	99	99	101	24	102	105	106	24
9/24	---	---	---	0	---	---	---	0	99	100	102	24	99	99	100	24	101	102	103	24
9/25	---	---	---	0	---	---	---	0	98	99	100	24	99	99	100	24	102	104	106	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>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>	<u>AVG</u>	<u>High</u>	<u>#</u>		
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>					<u>Avg</u>	<u>hr</u>
9/12	98	98	99	24	98	98	99	24	98	99	99	23	100	100	101	24	98	98	99	23
9/13	98	99	101	24	98	98	99	24	98	99	100	23	100	100	101	24	98	98	99	23
9/14	100	100	101	24	99	100	100	24	99	99	99	23	101	101	101	24	99	99	100	23
9/15	100	100	100	24	99	100	100	24	100	102	131	22	101	101	101	24	99	99	99	23
9/16	100	100	100	24	100	100	100	24	99	99	100	10	101	101	102	13	99	99	99	23
9/17	99	99	100	24	99	99	100	24	---	---	---	0	---	---	---	0	98	98	98	7
9/18	100	100	101	24	99	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0
9/19	101	101	102	17	99	100	100	21	---	---	---	0	---	---	---	0	---	---	---	0
9/20	99	99	100	24	99	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0
9/21	100	101	103	24	99	99	100	24	---	---	---	0	---	---	---	0	---	---	---	0
9/22	101	102	104	24	100	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0
9/23	101	102	104	24	100	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
9/24	103	104	105	24	100	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
9/25	101	102	103	24	100	100	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>CamasWashugal</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>#</u>			
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>			<u>hr</u>	<u>Avg</u>	<u>Avg</u>
9/12	99	99	99	24	98	98	99	23	100	100	101	23	99	100	100	24
9/13	98	99	99	24	99	99	99	23	100	101	102	23	100	101	102	24
9/14	99	99	100	24	99	100	100	23	100	101	102	23	100	101	101	24
9/15	99	99	100	24	99	100	100	23	100	101	101	23	100	101	101	24
9/16	99	99	100	24	99	100	100	23	100	101	102	23	100	100	101	24
9/17	97	97	98	8	98	98	98	23	100	100	101	23	99	99	100	24
9/18	---	---	---	0	99	99	100	23	100	101	101	23	99	99	100	12
9/19	---	---	---	0	99	99	99	19	100	100	101	19	---	---	---	0
9/20	---	---	---	0	99	99	99	23	100	100	101	23	---	---	---	0
9/21	---	---	---	0	99	99	99	23	100	100	101	23	---	---	---	0
9/22	---	---	---	0	100	100	100	23	100	101	102	23	---	---	---	0
9/23	---	---	---	0	100	100	101	22	101	101	101	23	---	---	---	0
9/24	---	---	---	0	100	100	101	23	101	101	102	23	---	---	---	0
9/25	---	---	---	0	100	100	100	23	101	101	102	23	---	---	---	0

## Two-Week Summary of Passage Indices

COMBINED YEARLING CHINOOK											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
09/12/2003	---	---	---	---	2	0	1	---	0	0	0
09/13/2003	*	---	---	---	0	0	0	---	0	0	0
09/14/2003	*	---	---	---	0	0	1	---	0	0	0
09/15/2003		---	---	---	1	0	1	---	0	0	0
09/16/2003		---	---	---	2	1	1	---	0	---	0
09/17/2003		---	---	---	0	0	0	---	0	---	0
09/18/2003		---	---	---	0	0	0	---	0	---	0
09/19/2003		---	---	---	0	1	0	---	0	---	0
09/20/2003		---	---	---	1	0	8	---	0	---	0
09/21/2003		---	---	---	1	0	5	---	0	---	0
09/22/2003		---	---	---	1	0	10	---	0	---	13
09/23/2003	*	---	---	---	2	0	21	---	0	---	0
09/24/2003		---	---	---	3	0	0	---	0	---	0
09/25/2003	*	---	---	---	3	0	0	---	0	---	0
09/26/2003		---	---	---	---	---	---	---	---	---	---
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>2</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>YTD</b>	<b>32,064</b>	<b>34,028</b>	<b>11,123</b>	<b>2,417</b>	<b>3,599,218</b>	<b>2,483,144</b>	<b>785,332</b>	<b>15,355</b>	<b>1,624,087</b>	<b>2,074,671</b>	<b>4,043,776</b>

COMBINED SUBYEARLING CHINOOK											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
09/12/2003	---	---	---	---	144	147	93	---	15	35	125
09/13/2003	*	---	---	---	143	137	55	---	20	5	184
09/14/2003	*	---	---	---	157	86	55	---	30	45	200
09/15/2003		---	---	---	171	50	84	---	35	15	507
09/16/2003		---	---	---	69	87	54	---	25	---	592
09/17/2003		---	---	---	79	133	102	---	16	---	282
09/18/2003		---	---	---	105	154	61	---	48	---	407
09/19/2003		---	---	---	114	166	66	---	20	---	232
09/20/2003		---	---	---	80	95	41	---	12	---	77
09/21/2003		---	---	---	31	144	50	---	20	---	175
09/22/2003		---	---	---	32	78	38	---	20	---	91
09/23/2003	*	---	---	---	99	64	22	---	48	---	36
09/24/2003		---	---	---	150	44	45	---	16	---	0
09/25/2003	*	---	---	---	524	70	43	---	20	---	92
09/26/2003		---	---	---	---	---	---	---	---	---	---
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,898</b>	<b>1,455</b>	<b>809</b>	<b>0</b>	<b>345</b>	<b>100</b>	<b>3,000</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>136</b>	<b>104</b>	<b>58</b>	<b>0</b>	<b>25</b>	<b>25</b>	<b>214</b>
<b>YTD</b>	<b>1</b>	<b>118</b>	<b>74</b>	<b>355</b>	<b>1,399,986</b>	<b>683,431</b>	<b>340,947</b>	<b>28,113</b>	<b>7,681,951</b>	<b>2,713,873</b>	<b>7,900,935</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.

## 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)
09/12/2003	---	---	---	---	1	0	0	---	0	0	0
09/13/2003 *	---	---	---	---	0	0	0	---	0	0	0
09/14/2003 *	---	---	---	---	0	1	0	---	0	0	0
09/15/2003	---	---	---	---	0	0	0	---	0	0	0
09/16/2003	---	---	---	---	2	0	0	---	0	---	0
09/17/2003	---	---	---	---	1	0	0	---	0	---	0
09/18/2003	---	---	---	---	0	0	0	---	0	---	0
09/19/2003	---	---	---	---	1	0	0	---	0	---	0
09/20/2003	---	---	---	---	1	0	0	---	0	---	0
09/21/2003	---	---	---	---	1	0	0	---	0	---	0
09/22/2003	---	---	---	---	0	0	0	---	0	---	0
09/23/2003 *	---	---	---	---	0	0	0	---	0	---	0
09/24/2003	---	---	---	---	0	0	0	---	0	---	0
09/25/2003 *	---	---	---	---	0	0	0	---	0	---	0
09/26/2003	---	---	---	---	---	---	---	---	---	---	---
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>1</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>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>132,903</b>	<b>116,659</b>	<b>37,602</b>	<b>41,690</b>	<b>113,584</b>	<b>258,277</b>	<b>2,116,459</b>

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)
09/12/2003	---	---	---	---	17	1	0	---	0	0	0
09/13/2003 *	---	---	---	---	23	2	1	---	0	0	0
09/14/2003 *	---	---	---	---	6	1	1	---	0	0	0
09/15/2003	---	---	---	---	9	1	1	---	0	0	0
09/16/2003	---	---	---	---	5	4	1	---	0	---	0
09/17/2003	---	---	---	---	4	3	0	---	0	---	0
09/18/2003	---	---	---	---	4	2	0	---	0	---	0
09/19/2003	---	---	---	---	4	0	0	---	0	---	0
09/20/2003	---	---	---	---	3	2	1	---	0	---	0
09/21/2003	---	---	---	---	3	2	1	---	0	---	0
09/22/2003	---	---	---	---	2	3	0	---	0	---	0
09/23/2003 *	---	---	---	---	2	0	0	---	0	---	0
09/24/2003	---	---	---	---	11	2	0	---	0	---	0
09/25/2003 *	---	---	---	---	6	0	1	---	0	---	0
09/26/2003	---	---	---	---	---	---	---	---	---	---	---
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>99</b>	<b>23</b>	<b>7</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>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>2,347</b>	<b>48,404</b>	<b>2,521</b>	<b>5,601</b>	<b>3,355,737</b>	<b>2,583,377</b>	<b>1,865,476</b>	<b>15,507</b>	<b>245,583</b>	<b>553,522</b>	<b>1,635,163</b>

\* See sampling comments



## 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)
09/12/2003	---	---	---	---	0	0	0	---	0	0	0
09/13/2003 *	---	---	---	---	0	0	0	---	0	0	0
09/14/2003 *	---	---	---	---	0	0	0	---	0	0	0
09/15/2003	---	---	---	---	0	0	0	---	0	0	0
09/16/2003	---	---	---	---	0	0	0	---	0	---	0
09/17/2003	---	---	---	---	0	0	0	---	0	---	0
09/18/2003	---	---	---	---	0	0	0	---	4	---	0
09/19/2003	---	---	---	---	0	0	0	---	0	---	0
09/20/2003	---	---	---	---	0	0	0	---	4	---	0
09/21/2003	---	---	---	---	0	0	0	---	4	---	0
09/22/2003	---	---	---	---	0	0	0	---	0	---	0
09/23/2003 *	---	---	---	---	0	0	0	---	0	---	0
09/24/2003	---	---	---	---	0	0	0	---	0	---	0
09/25/2003 *	---	---	---	---	0	0	0	---	0	---	0
09/26/2003	---	---	---	---	---	---	---	---	---	---	---
<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>12</b>	<b>0</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>4</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>1</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>16,388</b>	<b>8,128</b>	<b>4,545</b>	<b>10,312</b>	<b>841,730</b>	<b>726,163</b>	<b>1,261,373</b>

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

### Definitions for Smolt Index Counts

WTB (Collection) = Salmon River Trap at Whitebird : Collection Counts

IMN (Collection) = Imnaha River Trap : Collection Counts

GRN (Collection) = Grande Ronde River Trap : Collection Counts

LEW (Collection) = Snake River Trap at Lewiston : Collection Counts

LGR (Index) = Lower Granite Dam Bypass Collection System : Passage Index Counts

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

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

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

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

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

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

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

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

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

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

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

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

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

BO1 (Index) = Bonneville Dam First Powerhouse Bypass Collection System : Passage Index Counts

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

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

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

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

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

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

**Cumulative Adult Passage at Mainstem Dams Through: 09/25**

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2003		2002		10-Yr Avg.		2003		2002		10-Yr Avg.		2003		2002		10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	192,010	14,258	268,813	6,477	122,177	6,086	114,808	13,358	127,436	7,952	38,022	5,207	568,046	38,030	447,097	33,388	223,556	28,521
TDA	131,207	11,522	181,176	3,870	80,975	4,136	101,490	10,441	113,069	5,743	32,585	3,775	271,518	26,783	220,597	25,600	115,041	18,317
JDA	101,436	10,206	139,887	2,403	67,822	3,122	95,542	10,132	105,354	5,615	30,300	3,298	182,070	22,023	143,623	21,569	82,240	13,795
MCN	95,550	11,123	129,357	3,872	62,536	3,162	93,844	11,104	109,937	6,810	31,244	3,358	141,374	17,839	115,630	17,844	63,805	10,758
IHR	78,170	8,020	85,207	1,826	38,964	1,925	20,742	4,602	26,607	2,437	7,616	1,067	15,776	5,203	12,697	3,729	4,490	1,849
LMN	70,603	7,344	76,304	1,537	38,073	1,899	18,718	3,589	23,744	1,710	7,642	945	9,217	3,878	12,301	2,760	3,909	1,495
LGS	69,017	7,079	77,232	1,815	37,097	2,034	14,340	3,537	20,854	2,254	6,945	1,196	9,310	2,741	10,033	1,871	2,690	919
LWG	70,609	8,295	75,025	2,089	35,689	2,016	16,422	4,137	22,159	1,953	6,987	1,260	7,385	2,884	9,199	2,167	2,317	927
PRD	18,136	656	34,083	196	15,528	317	83,004	3,933	96,326	1,455	27,332	1,075	32,711	3,312	22,035	1,851	15,272	1,643
RIS	16,881	753	24,017	827	11,565	538	81,543	6,858	86,825	3,216	24,224	3,420	10,902	2,304	10,342	751	4,811	1,000
RRH	4,216	450	9,999	161	4,017	126	63,167	6,195	73,104	2,807	16,932	1,550	6,671	1,581	7,206	796	3,227	908
WEL	4,313	172	7,585	41	2,377	152	44,503	1,888	62,595	412	12,816	1,120	3,656	569	3,489	157	1,406	348

DAM	Coho						Sockeye			Steelhead			
	2003		2002		10-Yr Avg.		2003	2002	10-Yr Avg.	10-Yr			Wild 2003
	Adult	Jack	Adult	Jack	Adult	Jack				2003	2002	Avg.	
BON	88,393	3,565	44,257	4,261	42,839	2,822	39,291	49,610	46,748	341,893	442,292	261,460	107,288
TDA	24,749	1,706	5,243	2,433	7,933	1,067	34,181	40,554	37,479	219,691	307,692	166,844	69,263
JDA	18,346	2,677	3,255	835	5,242	681	35,411	41,914	40,486	213,953	257,555	135,542	62,453
MCN	8,358	1,030	847	550	1,962	258	32,037	39,175	36,935	156,352	177,200	97,365	47,460
IHR	206	66	10	0	55	4	37	61	17	112,373	113,182	64,413	27,848
LMN	74	18	4	0	8	2	14	46	24	82,637	107,437	57,107	22,469
LGS	74	10	16	4	6	0	23	38	26	68,221	95,382	43,062	19,764
LWG	56	4	26	35	11	1	12	55	24	70,381	91,741	41,072	19,230
PRD	1,336	233	438	144	124	27	36,551	47,882	45,469	15,132	14,382	8,728	0
RIS	560	0	199	0	69	0	34,776	44,319	41,006	12,626	12,841	7,044	8,004
RRH	18	0	48	0	16	0	30,349	12,370	24,254	9,097	9,387	4,947	5,556
WEL	0	0	10	0	0	0	28,996	10,584	23,916	6,080	7,551	3,712	3,450

RIS, RRH are through 09/22.

PRD and WEL are through 09/24

LGR is missing data for 3/6.

\*\*PRD is not reporting Wild Steelhead numbers.

These numbers were collected from the COE's Running Sums text files, except where otherwise noted.

Wild steelhead numbers are included in the total.

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: 9/26/03

BON counts from January 1, 2003 to March 14, 2003 (our counts begin March 15)

Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
3,758	0	3,443	408

## Two Week Transportation Summary

Source: Fish Passage Center

Updated:

9/26/03 9:17 AM

		09/13/03	TO	09/26/03			
Site	Data	Species					Grand Total
		CH0	CH1	CO	SO	ST	
<b>LGR</b>	Sum of NumberCollected	1,898	16	7	99	2,020	
	Sum of NumberBarged	0	0	0	0	0	
	Sum of NumberBypassed	0	0	0	96	96	
	Sum of Numbertrucked	1,857	15	7	0	1,879	
	Sum of TotalProjectMortalities	41	1	0	3	45	
<b>LGS</b>	Sum of NumberCollected	1,455			23	1,478	
	Sum of NumberBarged	0			0	0	
	Sum of NumberBypassed	0			0	0	
	Sum of Numbertrucked	1,418			21	1,439	
	Sum of TotalProjectMortalities	37			2	39	
<b>LMN</b>	Sum of NumberCollected	809	48		7	864	
	Sum of NumberBarged	0	0		0	0	
	Sum of NumberBypassed	0	0		4	4	
	Sum of Numbertrucked	767	47		2	816	
	Sum of TotalProjectMortalities	42	1		1	44	
<b>MCN</b>	Sum of NumberCollected	345			12	357	
	Sum of NumberBarged	0			0	0	
	Sum of NumberBypassed	34			0	34	
	Sum of Numbertrucked	301			12	313	
	Sum of TotalProjectMortalities	10			0	10	
Total Sum of NumberCollected		4,507	64	7	129	4,719	
Total Sum of NumberBarged		0	0	0	0	0	
Total Sum of NumberBypassed		34	0	0	100	134	
Total Sum of Numbertrucked		4,343	62	7	23	4,447	
Total Sum of TotalProjectMortalities		130	2	0	6	138	

### YTD Transportation Summary

Source: Fish Passage Center

Updated:

9/26/03 9:17 AM

TO: 09/26/03

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	1,156,812	2,576,996	90,047	9,752	2,337,058	6,170,665
	Sum of NumberBarged	1,122,378	2,470,893	89,264	9,549	2,265,797	5,957,881
	Sum of NumberBypassed	2,894	45,590	7	0	53,462	101,953
	Sum of NumberTrucked	13,164	54,232	166	81	15,727	83,370
	Sum of TotalProjectMortalities	18,372	5,982	610	122	2,073	27,159
<b>LGS</b>	Sum of NumberCollected	601,066	1,832,621	86,748	5,440	1,938,430	4,464,305
	Sum of NumberBarged	574,927	1,776,598	86,171	5,399	1,934,367	4,377,462
	Sum of NumberBypassed	0	22	0	0	3	25
	Sum of NumberTrucked	18,691	52,602	131	3	1,125	72,552
	Sum of TotalProjectMortalities	7,447	3,400	446	38	2,935	14,266
<b>LMN</b>	Sum of NumberCollected	290,018	463,387	26,552	3,307	1,229,840	2,013,104
	Sum of NumberBarged	246,893	440,282	25,842	3,262	1,150,928	1,867,207
	Sum of NumberBypassed	34,112	6,866	681	0	75,964	117,623
	Sum of NumberTrucked	7,278	15,235	11	40	1,658	24,222
	Sum of TotalProjectMortalities	1,735	1,004	18	5	1,290	4,052
<b>MCN</b>	Sum of NumberCollected	7,028,448	1,041,821	71,927	546,127	155,070	8,843,393
	Sum of NumberBarged	4,606,418	5,470	8,989	10,989	701	4,632,567
	Sum of NumberBypassed	2,284,576	1,035,087	62,604	534,287	154,084	4,070,638
	Sum of NumberTrucked	65,294	31	0	118	0	65,443
	Sum of TotalProjectMortalities	72,162	1,140	334	438	242	74,316
Total Sum of NumberCollected		9,076,344	5,914,825	275,274	564,626	5,660,398	21,491,467
Total Sum of NumberBarged		6,550,616	4,693,243	210,266	29,199	5,351,793	16,835,117
Total Sum of NumberBypassed		2,321,582	1,087,565	63,292	534,287	283,513	4,290,239
Total Sum of NumberTrucked		104,427	122,100	308	242	18,510	245,587
Total Sum of TotalProjectMortalities		99,716	11,526	1,408	603	6,540	119,793

