Fish Passage Center

Weekly Report #04 - 27

September 10, 2004

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Summary of Events:

Water Supply: Columbia Basin precipitation throughout the first six days of September has generally been below average in most basins. Over the entire water year, precipitation remains slightly below average in most basins.

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 2004 September 1-06		Water Year 2004 October 1, 2003 to September 06, 2004	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.42	129	24.36	100
Snake River Above Ice Harbor	0.14	67	16.9	99
Columbia Above The Dalles	0.26	100	22.69	101
Kootenai	0.50	153	24.79	99
Clark Fork	0.24	99	17.05	101
Flathead	0.38	116	21.81	98
Pend Oreille/Spokane	0.10	32	30.19	100
Central Washington	0.00	4	8.51	97
Snake River Plain	0.05	30	9.54	87
Salmon/Boise/Payette	0.04	18	18.57	96
Clearwater	0.34	102	32.17	108
SW Washington Cascades/Cowlitz	0.28	45	65.19	94
Willamette Valley	0.30	71	55.55	95

Grand Coulee has held steady over the last week and is at an elevation of 1279.9 feet. Outflows at Grand Coulee have been near 90 Kcfs over the last several days after being as low as 52 Kcfs last weekend.

The Libby Reservoir has released a constant 12.5 Kcfs for the entire month of July and most of the months of August and September. Inflows to Libby have been relatively high lately, enabling Libby to release 12.5 Kcfs without aggressively drafting. Libby is currently at an elevation of 2444.7 feet and has held relatively steady over the last week.

Outflows at Hungry Horse have ranged between 2.4 and 4.6 Kcfs over the last week. Hungry Horse Reservoir is currently at an elevation of 3540.3 feet and drafting approximately 1/10 of a foot per day.

The Dworshak Reservoir has been releasing approximately 7 Kcfs and is currently at an elevation of 1525.5 feet. Dworshak is projected to continue the current operation until reaching elevation 1520 feet.

The Brownlee Reservoir is currently at an elevation of 2057.0 feet and has drafted approximately 2.5 feet over the last week. Outflows to Brownlee have ranged between 8.7 and 17.5 Kcfs over the last week.

Smolt Monitoring: Subyearling chinook indices decreased at all sites in the Snake River and Lower Columbia Smolt Monitoring sites over the past week.

At Lower Granite Dam, subyearling chinook indices decreased this week with this week's average index at 140 per day compared to 525 per day last week. Little Goose and Lower Monumental saw decreases in indices as well, with the index averaging 250 per day at Little Goose, and 23 per day at Lower Monumental compared to 310 and 240 last week, respectively.

In the Lower Columbia, at McNary Dam, subyearling chinook indices averaged 115 per day this week compared to 390 per day last week. At John Day Dam the subyearling average index was 30 per day this week compared to 70 last week, while at Bonneville Dam the average index was 150 per day compared to 600 the past week.

Hatchery Releases - For the 2004 juvenile migration, about 83.1 million yearling chinook, coho, steelhead, sockeye, and subyearling chinook salmon were released from Columbia River Basin hatcheries above Bonneville Dam. Hatchery release numbers will be updated and finalized through the year; the numbers below represent most of the finalized hatchery releases for the 2004 migration season.

2004 Hatchery Zone Report

	Friday 03-September-2004			
Race/Species	Snake River	Mid-Columbia	Lower Columbia	Total Release
Fall Chinook	2,580,499	12,183,684	21,964,446	36,728,629
Spring Chinook	10,487,220	3,975,400	5,242,800	19,705,420
Summer Chinook	2,374,050	3,125,983		5,500,033
Coho	1,367,111	2,387,178	6,012,423	9,766,712
Sockeye	76,927	315,790		392,717
Summer Steelhead	9,212,046	1,184,775	482,581	10,879,402
Winter Steelhead			80,318	80,318
Total	26,097,853	23,172,810	33,782,568	83,053,231

Adult Fish Passage - At Bonneville Dam, counts of adult fall chinook ranged between 13,500 and 29,300 per day for the week ending September 9th. The total count for the season is 290,830, and is 122% and 186% of the respective 2003 and 10-year average to date. The percentage of Tule fall chinook passing the project on a daily basis remained at about 40% of the daily fall chinook count through this week with approximately 81,000 past the project as of September 7. Tule fall chinook are mainly bound for Spring Creek NFH and tributaries in the Bonneville Pool with early projections of near 138,000 for the 2004 season. The remaining 60+% of the adult fall chinook passing Bonneville Dam are part of the "Bright" fall chinook component of the Run. These chinook will spread out through the Columbia and Snake rivers with the largest portion of the Run migrating to the Hanford Reach of the Columbia River. The bright fall chinook also include the "listed" wild fall chinook destined for the Snake River. Fall chinook counts at John Day Dam almost reached 10,000 on September 9 with the high daily count at McNary near 5,900 for the week. On September 9, the daily count at Ice Harbor exceeded 1,000 adult chinook, a total not often exceeded in the Snake River since the counts began in the late 1960s. At Priest Rapids Dam, the daily counts averaged 1,305 for the week with the total count through September 9 at 13,087.

Steelhead counts at Bonneville Dam ranged from 3,000 to a high of near 4,300 for the week ending on September 9. The steelhead run totals 237,725 through September 9, and this count was about 83% of the 2003 count and 102% of the 10-year average. Steelhead counts passing upstream of The Dalles Dam rose to a high of 12,400 daily count with about 5,300 passing on the final day of the count week; the season total is now 128,576. Passage of steelhead at McNary Dam rose to a high daily count of 9,800 by week's end with 69,200 total. The daily counts at Ice Harbor Dam rose from 1,400 per day early in the count week to a high daily count of 5,100 by the end of the week. In the Mid-Columbia River, daily steelhead counts at Priest Rapids Dam ranged between 300 and 600 with the total steelhead count at 10,473 for the

season. This total was similar to the 2003 total but well above the 10-year average.

At Bonneville Dam, daily counts of adult coho ranged between 1,100 and 4,800 with the cumulative total for the season at 38,550, about 121% and 204% of the respective 2003 and 10-year average. Since 1998, production and release of hatchery reared coho was initiated in the Snake River basin. Also, about 2 million hatchery coho are released in various basins of the Mid and Upper Columbia River tributaries. In addition, juvenile smolts are annually released in the Yakima and Umatilla River basins. Overall, more coho salmon are returning to the upriver tributaries. At present, 8,400 of these coho have passed The Dalles Dam and 3,600 are now above John Day Dam. The majority of the coho passing Bonneville Dam still spawn in the Bonneville pool tributaries.

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

	Grand Coulee		Chief Joseph		Wells		Rocky Reach		Rock Island		Wanapum		Priest Rapids	
Date	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
08/27/04	108.5	0.2	113.4	0.0	115.3	0.0	114.4	0.0	113.7	0.0	123.9	2.0	125.5	1.0
08/28/04	100.4	0.2	104.4	0.0	104.0	0.0	97.5	0.0	98.6	0.0	97.1	2.0	91.8	1.1
08/29/04	97.1	0.1	91.6	0.0	97.5	0.0	101.4	0.0	103.7	0.0	114.5	1.9	111.5	1.0
08/30/04	138.2	0.2	133.9	12.5	128.4	0.0	121.2	0.0	119.9	0.0	120.2	1.8	118.2	0.8
08/31/04	157.7	0.1	157.2	16.5	155.6	8.7	148.5	0.3	146.1	1.9	151.3	31.3	139.9	11.6
09/01/04	83.4	0.1	90.6	2.3	100.1	6.7	107.6	3.4	109.7	0.0	140.3	20.6	145.3	12.0
09/02/04	71.2	0.2	84.6	0.0	88.6	0.0	88.4	0.0	89.0	0.0	77.8	1.7	71.2	1.0
09/03/04	71.0	0.1	64.1	0.0	61.3	0.0	61.8	0.0	64.3	0.0	71.5	1.8	70.2	1.1
09/04/04	51.8	0.1	52.7	0.0	53.9	0.0	53.7	0.0	53.8	0.0	57.0	2.0	52.9	1.0
09/05/04	60.6	0.1	59.9	0.0	58.7	0.0	55.6	0.0	55.7	0.0	57.1	2.1	53.4	1.1
09/06/04	64.8	0.2	68.7	0.0	70.9	0.0	73.4	0.0	74.5	0.0	75.6	2.1	71.1	1.1
09/07/04	92.7	0.0	94.8	0.0	94.8	0.0	91.8	0.0	90.6	0.0	91.6	2.1	93.4	1.0
09/08/04	89.7	0.0	89.2	0.0	88.6	0.0	87.9	0.0	88.7	0.0	98.8	1.8	93.0	1.0
09/09/04	89.3	0.0	94.4	0.0	94.2	0.0	93.4	0.0	94.7	0.0	95.4	1.9	89.2	0.8

Daily Average Flow and Spill (in kcfs) at Snake Basin Projects

	Dworshak		Brownlee	Hells Canyon	Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
Date	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
08/27/04	10.3	0.0	11.8	11.9	32.4	0.0	32.3	0.0	32.9	0.0	32.4	23.2
08/28/04	10.3	0.0	10.0	8.7	33.2	0.0	32.1	0.0	32.0	0.0	34.7	27.9
08/29/04	10.3	0.0	10.3	8.8	29.7	0.0	29.8	0.0	30.1	0.0	30.5	23.9
08/30/04	10.4	0.0	11.8	12.8	27.4	0.0	27.6	0.0	27.0	15.5	31.6	24.9
08/31/04	10.1	0.0	10.7	15.7	31.6	0.0	33.1	0.0	31.3	25.4	33.3	26.4
09/01/04	7.0	0.0	9.9	13.5	31.0	0.0	22.3	0.0	21.0	15.1	21.6	0.1
09/02/04	7.0	0.0	8.2	12.1	26.5	0.0	28.1	0.0	23.9	18.0	23.1	0.0
09/03/04	7.0	0.0	9.5	13.7	25.7	0.0	22.3	0.0	23.7	9.5	22.9	0.0
09/04/04	7.0	0.0	9.3	9.2	26.1	0.0	24.8	0.0	22.8	0.0	21.4	0.0
09/05/04	7.0	0.0	8.4	9.8	24.8	0.0	21.5	0.0	17.6	0.0	17.0	0.0
09/06/04	7.1	0.0	9.2	9.5	22.4	0.0	19.8	0.0	22.1	0.0	18.5	0.0
09/07/04	7.1	0.0	9.4	9.6	23.0	0.0	23.0	0.0	23.0	0.0	21.7	0.0
09/08/04	7.1	0.0	10.7	14.2	23.3	0.8	23.5	0.0	22.2	0.0	20.6	0.0
09/09/04	7.1	0.0	---	---	29.5	0.0	27.2	0.0	26.6	0.0	24.4	0.0

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

	McNary		John Day		The Dalles				Bonneville	
Date	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	PH1	PH2
08/27/04	155.4	0.0	154.6	45.9	153.4	60.8	184.3	112.3	5.6	55.0
08/28/04	146.9	0.0	147.3	43.9	145.0	57.7	171.5	104.2	0.0	55.9
08/29/04	136.0	0.0	123.1	37.3	123.1	48.9	160.7	97.2	0.0	52.1
08/30/04	152.8	0.0	179.9	53.7	179.0	70.7	189.5	98.0	8.7	71.4
08/31/04	149.4	0.0	156.2	46.0	158.9	61.7	182.3	97.0	5.9	70.0
09/01/04	171.5	27.3	133.7	0.0	134.8	0.0	143.0	2.6	33.3	100.6
09/02/04	146.6	9.1	159.1	0.4	158.5	0.0	154.8	2.2	42.1	104.1
09/03/04	113.5	0.0	105.5	0.8	114.4	0.0	128.4	2.4	26.8	92.7
09/04/04	85.5	0.0	84.2	0.7	86.7	0.0	100.4	2.2	9.1	82.7
09/05/04	80.0	0.0	89.8	0.7	94.1	0.0	100.1	2.3	12.0	79.4
09/06/04	84.7	0.0	83.6	0.8	87.8	0.0	100.0	2.2	16.5	74.9
09/07/04	109.1	0.0	96.7	0.9	96.8	0.0	100.3	2.2	15.9	75.6
09/08/04	112.2	0.0	100.6	0.8	104.4	0.0	94.0	2.2	16.2	69.2
09/09/04	102.2	0.0	103.3	0.8	104.5	0.0	93.1	2.2	15.7	68.8

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

	Hungry H. Dnst				Boundary				Grand Coulee				Grand C. Tlwr				Chief Joseph			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
8/27	---	---	---	0	117	118	124	24	102	103	103	16	105	106	109	24	---	---	---	0
8/28	---	---	---	0	118	120	126	24	105	105	105	24	105	106	109	24	---	---	---	0
8/29	---	---	---	0	115	116	116	24	104	105	106	24	106	107	107	24	---	---	---	0
8/30	---	---	---	0	115	115	116	24	103	104	104	24	106	106	107	24	---	---	---	0
8/31	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/2	---	---	---	0	110	113	114	24	105	105	106	24	104	105	105	24	104	105	105	23
9/3	---	---	---	0	105	105	105	24	105	106	111	24	105	105	107	24	104	104	104	23
9/4	---	---	---	0	105	106	107	24	104	104	105	24	105	105	107	24	103	103	104	23
9/5	---	---	---	0	105	105	106	24	104	104	105	24	104	104	105	24	103	104	104	23
9/6	---	---	---	0	104	105	105	24	104	104	104	24	104	104	105	24	104	105	105	23
9/7	---	---	---	0	105	105	108	24	103	103	104	5	104	104	105	24	104	104	104	7
9/8	---	---	---	0	108	111	115	24	104	104	105	24	104	104	105	24	106	106	107	23
9/9	---	---	---	0	105	106	107	24	104	104	105	24	103	104	104	24	105	105	106	23

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

	Chief J. Dnst				Wells				Wells Dwnstrm				Rocky Reach				Rocky R. Tlwr			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
8/27	105	106	106	23	107	108	108	24	107	108	108	24	105	105	105	24	105	105	105	24
8/28	106	106	107	23	107	107	108	24	107	107	108	24	105	106	106	24	105	106	106	24
8/29	106	106	107	23	107	107	108	23	106	107	108	23	106	106	107	24	106	106	107	24
8/30	110	115	120	23	107	107	108	24	107	107	108	24	106	106	106	24	106	106	106	24
8/31	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/2	105	105	107	23	107	108	108	24	107	107	108	24	106	106	107	24	106	106	108	24
9/3	106	106	107	22	105	105	106	24	104	105	105	24	107	108	109	24	108	108	109	24
9/4	105	106	107	23	104	105	105	24	104	104	105	24	105	105	106	24	105	105	106	24
9/5	104	105	107	23	105	105	106	24	104	105	105	24	104	104	105	24	104	104	104	24
9/6	105	105	107	23	105	105	106	24	104	105	105	24	103	103	104	24	103	103	103	24
9/7	105	105	106	7	105	105	106	24	104	105	106	24	103	103	104	24	103	103	104	24
9/8	107	108	110	23	105	106	106	24	105	106	107	24	104	104	105	24	104	104	105	24
9/9	106	106	107	23	105	105	106	24	104	105	107	24	104	104	104	24	104	104	105	24

Total Dissolved Gas Saturation at Mid Columbia River Sites

	Rock Island				Rock I. Tlwr				Wanapum				Wanapum Tlwr				Priest Rapids			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
8/27	104	105	105	24	104	105	105	24	103	103	104	23	103	103	103	23	103	103	103	23
8/28	105	105	106	24	105	105	106	24	103	104	105	23	103	103	104	23	103	103	104	23
8/29	105	106	107	24	106	106	107	24	104	105	105	23	103	104	104	23	103	104	104	23
8/30	105	106	106	24	105	106	106	24	106	108	116	23	104	105	105	23	104	104	105	23
8/31	---	---	---	0	---	---	---	0	105	106	107	23	107	109	120	23	105	106	109	23
9/1	---	---	---	0	---	---	---	0	104	105	105	23	108	112	128	23	107	109	112	23
9/2	105	105	105	24	105	105	105	24	103	103	103	23	103	103	103	23	106	107	110	23
9/3	105	105	107	24	105	105	106	24	103	103	103	23	102	103	103	23	102	102	103	23
9/4	106	106	107	24	106	106	107	24	102	102	102	23	102	103	103	23	101	102	102	23
9/5	103	104	104	24	104	104	104	24	101	102	102	23	101	102	102	23	101	101	102	23
9/6	103	103	104	24	103	104	104	24	102	102	103	23	102	102	103	23	101	101	103	23
9/7	103	103	103	24	103	103	103	24	103	103	104	23	103	103	104	23	102	103	104	23
9/8	103	103	104	24	103	103	104	24	104	105	106	23	104	104	104	23	103	103	104	23
9/9	103	103	104	24	103	103	104	24	103	103	104	23	103	103	104	23	103	103	104	23

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

	Priest R. Dnst				Pasco				Dworshak				Clrwtr-Peck				Anatone			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
8/27	---	---	---	0	102	103	104	24	99	99	99	24	100	101	101	24	101	102	103	23
8/28	---	---	---	0	103	103	104	24	99	99	100	24	100	101	102	24	102	102	103	24
8/29	---	---	---	0	103	104	105	24	99	100	100	24	100	101	102	24	102	103	103	24
8/30	---	---	---	0	103	104	104	24	99	100	100	24	100	101	102	24	102	103	104	24
8/31	---	---	---	0	104	104	105	24	---	---	---	0	---	---	---	0	---	---	---	0
9/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/2	---	---	---	0	104	104	105	24	98	99	99	24	100	101	102	24	101	101	102	24
9/3	---	---	---	0	104	105	105	24	98	99	99	24	100	100	101	24	101	102	102	24
9/4	---	---	---	0	103	103	104	21	99	99	100	24	100	101	103	24	102	103	103	24
9/5	---	---	---	0	101	102	102	24	98	98	99	24	99	100	101	24	101	102	102	24
9/6	---	---	---	0	101	102	103	24	98	99	99	24	100	101	102	24	102	103	104	24
9/7	---	---	---	0	102	102	102	5	98	98	98	5	99	99	99	5	101	101	101	5
9/8	---	---	---	0	102	103	104	24	99	99	100	24	100	101	102	24	102	103	104	24
9/9	---	---	---	0	102	103	104	21	99	99	99	24	100	101	102	24	101	102	102	24

Total Dissolved Gas Saturation Data at Snake River Sites

	Clrwtr-Lewiston				Lower Granite				L. Granite Tlwr				Little Goose				L. Goose Tlwr			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
8/27	101	103	104	24	100	100	101	24	98	98	98	24	97	97	98	24	98	98	99	24
8/28	102	103	104	24	100	101	102	24	98	98	99	24	97	98	98	24	98	98	99	24
8/29	102	104	105	24	103	105	105	24	98	99	99	24	98	99	100	24	99	99	100	24
8/30	102	104	105	24	106	107	108	24	99	99	99	24	101	103	104	24	99	100	100	24
8/31	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/2	101	103	104	24	101	101	102	24	99	99	100	24	97	98	98	24	97	98	98	24
9/3	101	102	103	24	101	102	103	24	100	100	100	24	98	98	98	24	98	98	99	24
9/4	102	104	106	24	103	103	104	24	100	100	101	24	98	98	98	24	98	99	99	24
9/5	102	104	105	24	101	101	102	24	99	100	100	24	97	98	98	24	98	98	98	24
9/6	102	104	106	24	103	104	105	24	99	99	99	24	98	98	98	24	98	99	99	24
9/7	100	100	101	5	104	104	105	5	99	99	99	5	98	98	98	5	98	98	98	5
9/8	102	104	106	24	106	107	109	24	102	105	120	24	99	99	100	24	98	99	99	24
9/9	102	103	104	24	103	103	104	24	99	99	100	24	98	98	98	19	98	98	99	19

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

	Lower Mon.				L. Mon. Tlwr				Ice Harbor				Ice Harbor Tlwr				McNary-Oregon			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
8/27	98	98	99	24	98	98	99	24	97	98	98	24	112	114	116	24	100	101	103	24
8/28	98	99	99	24	98	98	99	24	98	99	99	24	113	115	115	24	102	104	106	24
8/29	99	100	101	24	99	99	100	24	99	100	101	24	112	114	114	24	104	106	108	24
8/30	99	100	101	24	109	115	115	24	100	101	102	24	113	114	114	24	106	110	113	24
8/31	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	107	110	112	24
9/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/2	98	99	99	24	113	113	113	24	100	100	102	19	100	100	101	19	103	104	104	24
9/3	99	100	100	24	108	112	112	24	100	100	101	19	100	100	101	19	103	103	104	24
9/4	99	99	100	24	99	99	100	24	100	101	103	22	101	102	102	24	102	103	103	24
9/5	99	99	99	24	98	98	99	24	102	103	104	24	103	104	104	24	102	103	105	24
9/6	99	100	102	24	98	98	100	24	104	105	106	23	104	105	106	24	103	105	106	24
9/7	99	99	100	5	98	98	98	5	105	105	106	5	104	104	105	5	105	105	106	5
9/8	99	99	100	24	98	99	99	24	106	106	107	23	106	106	107	24	103	105	105	24
9/9	99	99	100	24	98	98	99	24	105	105	106	24	105	106	106	24	102	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

	McNary-Wash				McNary Tlwr				John Day				John Day Tlwr				The Dalles			
	24 h	12 h		#	24 h	12 h		#	24h	12h		#	24h	12h		#	24h	12h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
8/27	99	100	100	24	108	110	112	24	99	99	100	23	114	115	115	24	103	104	104	23
8/28	101	101	102	24	109	109	110	24	99	99	99	23	114	114	115	24	104	105	105	23
8/29	104	105	107	24	112	115	119	24	99	99	99	23	113	114	114	24	105	105	106	23
8/30	106	106	107	24	117	118	120	24	99	100	100	23	115	116	117	24	105	105	105	23
8/31	107	107	109	24	113	120	122	24	100	101	101	23	114	114	115	24	105	106	106	23
9/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/2	103	103	104	24	106	108	109	24	100	100	100	23	100	100	100	24	100	101	103	23
9/3	102	103	104	24	102	102	102	24	100	100	100	23	100	101	101	24	99	99	100	23
9/4	102	103	103	24	102	102	103	24	100	100	100	23	100	101	102	24	99	99	100	23
9/5	101	102	102	24	102	102	103	24	99	99	100	23	99	100	100	24	99	99	100	23
9/6	102	103	105	24	102	102	103	24	99	100	100	23	100	100	101	24	99	100	100	23
9/7	105	105	105	5	102	102	102	5	100	100	100	7	100	100	100	5	100	100	100	7
9/8	104	105	106	24	102	103	103	24	100	101	101	23	100	100	101	24	100	100	100	23
9/9	101	102	102	24	101	101	102	24	100	100	101	23	100	100	101	24	99	100	100	23

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

	The Dalles Dnst				Bonneville				Warrendale				Camas\Washugal			
	24 h	12 h		#	24 h	12 h		#	24h	12h		#	24h	12h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
8/27	111	112	112	24	103	104	105	23	114	116	117	23	111	113	115	24
8/28	112	112	113	24	104	105	105	23	114	116	119	23	111	113	115	24
8/29	112	113	114	24	105	105	106	23	114	115	116	23	110	113	114	24
8/30	112	113	113	24	106	107	107	23	114	115	116	23	111	113	115	24
8/31	113	113	114	24	107	108	108	23	114	115	116	23	110	112	114	24
9/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/2	101	102	104	24	104	104	105	23	105	105	105	23	103	104	104	24
9/3	100	100	101	24	103	103	104	23	104	104	105	23	103	104	105	24
9/4	100	100	101	24	101	101	101	23	102	102	103	23	102	103	103	24
9/5	100	100	101	24	99	99	100	23	101	101	102	23	101	102	102	24
9/6	101	101	101	24	99	100	100	23	101	101	102	23	101	101	102	24
9/7	101	101	101	8	100	100	100	7	100	100	100	7	100	100	101	8
9/8	101	101	101	24	100	100	100	23	101	102	102	23	101	102	103	24
9/9	101	101	101	24	100	100	100	23	102	102	103	23	101	102	102	24

Two-Week Summary of Passage Indices

COMBINED YEARLING CHINOOK

Date		ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
08/27/2004	*	---	---	---	---	---	0	14	1	0	0	0	0
08/28/2004	*	---	---	---	---	---	0	0	3	0	5	0	0
08/29/2004	*	---	---	---	---	---	4	10	2	0	0	0	0
08/30/2004	*	---	---	---	---	---	0	5	2	0	0	0	0
08/31/2004	*	---	---	---	---	---	0	2	0	0	0	0	0
09/01/2004	*	---	---	---	---	---	0	3	0	---	0	0	0
09/02/2004	*	---	---	---	---	---	1	0	0	---	0	0	0
09/03/2004	*	---	---	---	---	---	0	0	0	---	0	0	0
09/04/2004	*	---	---	---	---	---	1	0	0	---	0	0	0
09/05/2004		---	---	---	---	---	3	1	0	---	0	0	0
09/06/2004		---	---	---	---	---	1	2	0	---	0	0	0
09/07/2004	*	---	---	---	---	---	1	0	0	---	0	0	0
09/08/2004		---	---	---	---	---	0	0	0	---	0	0	0
09/09/2004	*	---	---	---	---	---	0	1	0	---	0	0	0
09/10/2004		---	---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**0**	**11**	**38**	**8**	**0**	**5**	**0**	**0**
# Days:		**0**	**0**	**0**	**0**	**0**	**14**	**14**	**14**	**5**	**14**	**14**	**14**
Average:		**0**	**0**	**0**	**0**	**0**	**1**	**3**	**1**	**0**	**0**	**0**	**0**
YTD		**835**	**29,063**	**66,832**	**9,904**	**4,053**	**5,175,963**	**2,632,454**	**913,835**	**12,574**	**1,069,757**	**1,005,416**	**1,466,443**

COMBINED SUBYEARLING CHINOOK

Date		ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
08/27/2004	*	---	---	---	---	---	1,020	584	296	25	285	179	712
08/28/2004	*	---	---	---	---	---	880	406	232	40	460	71	1,819
08/29/2004	*	---	---	---	---	---	520	394	230	38	410	50	1,033
08/30/2004	*	---	---	---	---	---	284	195	275	28	684	29	328
08/31/2004	*	---	---	---	---	---	256	183	561	6	412	43	177
09/01/2004	*	---	---	---	---	---	188	253	51	---	275	73	137
09/02/2004	*	---	---	---	---	---	334	164	27	---	200	50	70
09/03/2004	*	---	---	---	---	---	326	557	41	---	267	90	84
09/04/2004	*	---	---	---	---	---	157	219	6	---	216	40	44
09/05/2004		---	---	---	---	---	92	93	30	---	124	35	22
09/06/2004		---	---	---	---	---	103	164	23	---	56	25	173
09/07/2004	*	---	---	---	---	---	131	125	15	---	64	30	242
09/08/2004		---	---	---	---	---	80	283	20	---	36	5	327
09/09/2004	*	---	---	---	---	---	84	324	23	---	40	10	167
09/10/2004		---	---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**0**	**4,455**	**3,944**	**1,830**	**137**	**3,529**	**730**	**5,335**
# Days:		**0**	**0**	**0**	**0**	**0**	**14**	**14**	**14**	**5**	**14**	**14**	**14**
Average:		**0**	**0**	**0**	**0**	**0**	**318**	**282**	**131**	**27**	**252**	**52**	**381**
YTD		**1,579**	**0**	**29**	**80**	**935**	**1,016,858**	**482,322**	**190,659**	**25,925**	**8,414,122**	**1,720,662**	**4,742,881**

* See sampling comments http://www.fpc.org/currentDaily/smpcomments.htm
this means that one or more of the sites on this date had an incomplete or biased sample.

For clip information see: Daily Catch Report

For sockeye and yearling chinook (Snake only) race information see: Current Passage Index Query
If the text appears garbled, please hit the refresh button on your browser

NOTE for 2002 Lower Monumental Data: Due to the non-standard operation of Lower Monumental this year, the passage index reliability is in question and is being looked into.

Fall (post SMP season) trapping at the Imnaha River Fish Trap (IMN) is funded by the Lower Snake River Compensation Program (LSRCP)

Two-Week Summary of Passage Indices

COMBINED COHO

Date		ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
08/27/2004	*	---	---	---	---	---	8	14	1	0	0	0	0
08/28/2004	*	---	---	---	---	---	8	8	2	0	0	0	0
08/29/2004	*	---	---	---	---	---	0	4	0	0	0	0	0
08/30/2004	*	---	---	---	---	---	0	7	1	0	0	0	0
08/31/2004	*	---	---	---	---	---	0	2	0	0	0	0	0
09/01/2004	*	---	---	---	---	---	4	2	0	---	0	0	0
09/02/2004	*	---	---	---	---	---	3	1	0	---	0	0	0
09/03/2004	*	---	---	---	---	---	2	10	0	---	0	0	0
09/04/2004	*	---	---	---	---	---	2	1	0	---	0	0	0
09/05/2004		---	---	---	---	---	0	2	0	---	0	0	9
09/06/2004		---	---	---	---	---	2	0	0	---	0	0	0
09/07/2004	*	---	---	---	---	---	2	0	0	---	0	0	0
09/08/2004		---	---	---	---	---	0	2	0	---	0	0	0
09/09/2004	*	---	---	---	---	---	0	1	0	---	0	0	0
09/10/2004		---	---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**0**	**31**	**54**	**4**	**0**	**0**	**0**	**9**
# Days:		**0**	**0**	**0**	**0**	**0**	**14**	**14**	**14**	**5**	**14**	**14**	**14**
Average:		**0**	**0**	**0**	**0**	**0**	**2**	**4**	**0**	**0**	**0**	**0**	**1**
YTD		**0**	**0**	**0**	**0**	**45**	**259,496**	**127,960**	**15,933**	**28,668**	**90,681**	**175,311**	**938,028**

COMBINED STEELHEAD

Date		ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
08/27/2004	*	---	---	---	---	---	20	4	2	0	0	0	0
08/28/2004	*	---	---	---	---	---	8	0	1	3	0	0	0
08/29/2004	*	---	---	---	---	---	20	0	1	1	0	0	0
08/30/2004	*	---	---	---	---	---	20	3	1	0	0	0	0
08/31/2004	*	---	---	---	---	---	12	0	0	1	0	0	0
09/01/2004	*	---	---	---	---	---	8	2	0	---	0	0	0
09/02/2004	*	---	---	---	---	---	18	5	0	---	0	0	0
09/03/2004	*	---	---	---	---	---	10	1	0	---	0	0	0
09/04/2004	*	---	---	---	---	---	7	3	0	---	0	0	0
09/05/2004		---	---	---	---	---	8	3	0	---	0	0	0
09/06/2004		---	---	---	---	---	3	1	0	---	0	0	0
09/07/2004	*	---	---	---	---	---	3	1	0	---	0	0	0
09/08/2004		---	---	---	---	---	0	0	0	---	0	0	0
09/09/2004	*	---	---	---	---	---	4	0	1	---	0	0	5
09/10/2004		---	---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**0**	**141**	**23**	**6**	**5**	**0**	**0**	**5**
# Days:		**0**	**0**	**0**	**0**	**0**	**14**	**14**	**14**	**5**	**14**	**14**	**14**
Average:		**0**	**0**	**0**	**0**	**0**	**10**	**2**	**0**	**1**	**0**	**0**	**0**
YTD		**195**	**2,106**	**36,387**	**1,857**	**8,418**	**5,828,290**	**1,913,514**	**343,345**	**10,735**	**124,610**	**257,267**	**155,705**

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

Two-Week Summary of Passage Indices

					COMBINED SOCKEYE								
		ENT	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
08/27/2004	*	---	---	---	---	---	0	8	1	0	0	0	0
08/28/2004	*	---	---	---	---	---	0	0	0	0	0	0	0
08/29/2004	*	---	---	---	---	---	0	1	0	0	0	0	0
08/30/2004	*	---	---	---	---	---	8	1	0	0	0	0	0
08/31/2004	*	---	---	---	---	---	0	2	0	0	0	0	0
09/01/2004	*	---	---	---	---	---	8	0	0	---	0	0	0
09/02/2004	*	---	---	---	---	---	3	2	0	---	0	0	0
09/03/2004	*	---	---	---	---	---	2	2	0	---	0	0	0
09/04/2004	*	---	---	---	---	---	1	4	0	---	0	0	0
09/05/2004		---	---	---	---	---	2	0	0	---	16	0	0
09/06/2004		---	---	---	---	---	1	0	0	---	0	0	0
09/07/2004	*	---	---	---	---	---	0	0	0	---	8	5	0
09/08/2004		---	---	---	---	---	1	1	0	---	8	0	0
09/09/2004	*	---	---	---	---	---	2	1	0	---	4	5	0
09/10/2004		---	---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**0**	**28**	**22**	**1**	**0**	**36**	**10**	**0**
# Days:		**0**	**0**	**0**	**0**	**0**	**14**	**14**	**14**	**5**	**14**	**14**	**14**
Average:		**0**	**0**	**0**	**0**	**0**	**2**	**2**	**0**	**0**	**3**	**1**	**0**
YTD		**6**	**9**	**0**	**0**	**25**	**7,609**	**4,767**	**960**	**7,114**	**308,978**	**235,909**	**189,679**

* 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
ENT (Collection) = Entiat River Trap : 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. ENT data collected for the FPC by USFWS.

Two Week Transportation Summary

Source: Fish Passage Center Updated: 9/10/04 9:31 AM

08/28/04 TO 09/10/04

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	4,452	11	31	28	141	4,663
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	27	0	0	0	46	73
	Sum of Numbertrucked	4,368	11	31	23	92	4,525
	Sum of TotalProjectMortalities	57	0	0	5	3	65
LGS	Sum of NumberCollected	3,944	38	54	22	23	4,081
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of Numbertrucked	3,911	37	53	20	22	4,043
	Sum of TotalProjectMortalities	33	1	1	2	1	38
LMN	Sum of NumberCollected	1,298	8	4		6	1,316
	Sum of NumberBarged	0	0	0		0	0
	Sum of NumberBypassed	0	0	0		0	0
	Sum of Numbertrucked	1,172	8	4		6	1,190
	Sum of TotalProjectMortalities	126	0	0		0	126
MCN	Sum of NumberCollected	3,483	5		36		3,524
	Sum of NumberBarged	0	0		0		0
	Sum of NumberBypassed	0	0		0		0
	Sum of Numbertrucked	3,398	5		31		3,434
	Sum of TotalProjectMortalities	81	0		5		86
Total Sum of NumberCollected		13,177	62	89	86	170	13,584
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		27	0	0	0	46	73
Total Sum of Numbertrucked		12,849	61	88	74	120	13,192
Total Sum of TotalProjectMortalities		297	1	1	12	4	315

YTD Transportation Summary

Source: Fish Passage Center Updated: 9/10/04 9:31 AM

TO: 09/10/04

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	986,629	4,846,440	252,877	7,298	5,677,123	11,770,367
	Sum of NumberBarged	922,264	4,627,911	238,962	6,745	5,368,247	11,164,129
	Sum of NumberBypassed	46,438	151,332	13,352	285	289,653	501,060
	Sum of NumberTrucked	12,728	44,006	255	206	15,976	73,171
	Sum of TotalProjectMortalities	5,199	23,191	308	62	3,244	32,004
LGS	Sum of NumberCollected	482,055	2,556,319	124,703	4,715	1,868,911	5,036,703
	Sum of NumberBarged	471,565	2,508,873	124,333	4,667	1,853,623	4,963,061
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of NumberTrucked	9,402	2,221	211	41	1,636	13,511
	Sum of TotalProjectMortalities	1,053	1,519	62	7	2,097	4,738
LMN	Sum of NumberCollected	182,164	843,368	14,898	906	288,189	1,329,525
	Sum of NumberBarged	171,441	834,167	14,882	903	284,666	1,306,059
	Sum of NumberBypassed	6,666	6,333	3	1	2,141	15,144
	Sum of NumberTrucked	2,999	1,377	9	1	686	5,072
	Sum of TotalProjectMortalities	1,058	1,491	4	1	696	3,250
MCN	Sum of NumberCollected	7,676,423	658,053	56,924	190,626	76,314	8,658,340
	Sum of NumberBarged	6,549,868	8,073	5,009	10,355	1,384	6,574,689
	Sum of NumberBypassed	1,044,727	647,051	51,742	179,173	74,612	1,997,305
	Sum of NumberTrucked	7,685	8	0	31	0	7,724
	Sum of TotalProjectMortalities	69,139	2,921	173	1,067	318	73,618
Total Sum of NumberCollected		9,327,271	8,904,180	449,402	203,545	7,910,537	26,794,935
Total Sum of NumberBarged		8,115,138	7,979,024	383,186	22,670	7,507,920	24,007,938
Total Sum of NumberBypassed		1,097,831	804,716	65,097	179,459	366,406	2,513,509
Total Sum of NumberTrucked		32,814	47,612	475	279	18,298	99,478
Total Sum of TotalProjectMortalities		76,449	29,122	547	1,137	6,355	113,610

Cumulative Adult Passage at Mainstem Dams Through: 09/09

	Spring Chinook						Summer Chinook						Fall Chinook					
	2004		2003		10-Yr Avg.		2004		2003		10-Yr Avg.		2004		2003		10-Yr Avg.	
DAM	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	170,152	8,885	192,010	14,258	130,296	7,371	92,143	12,889	114,808	13,358	47,301	6,386	290,830	17,378	239,154	15,108	156,431	13,076
TDA	130,240	7,717	131,207	11,522	87,249	5,199	79,495	8,430	101,490	10,441	40,826	4,723	122,474	11,652	114,293	8,999	68,713	6,486
JDA	112,153	6,367	101,436	10,206	72,403	4,083	72,547	10,542	95,542	10,073	38,101	4,222	78,683	9,738	64,794	6,668	42,767	4,237
MCN	107,497	7,682	95,550	11,123	66,222	4,195	65,457	8,760	93,844	11,104	38,682	4,382	46,717	5,836	45,410	4,988	27,750	2,996
IHR	76,806	4,646	78,170	8,020	44,313	2,700	13,173	3,012	20,742	4,601	9,011	1,513	6,865	2,724	4,460	782	2,027	332
LMN	71,673	3,786	70,603	7,344	42,703	2,607	10,593	2,196	18,718	3,589	8,791	1,290	4,882	805	2,420	453	1,489	269
LGS	62,458	3,404	69,017	7,079	41,666	2,708	9,304	2,263	14,340	3,537	7,673	1,531	3,241	830	1,925	216	1,019	142
LWG	70,742	4,482	70,609	8,295	40,647	2,828	8,767	2,512	16,422	4,137	7,839	1,655	2,051	860	1,052	203	721	140
PRD	13,521	1,020	18,136	656	14,413	382	67,060	5,613	82,904	3,933	33,981	1,384	13,087	1,352	14,060	1,740	10,383	795
RIS	10,917	958	16,881	753	11,256	609	62,311	4,805	81,543	6,858	31,088	4,058	4,324	598	4,650	1,362	2,966	676
RRH	4,346	842	4,216	450	4,023	171	41,532	8,093	63,167	6,195	22,791	2,151	2,767	455	3,169	1,045	2,195	611
WEL	4,615	178	4,504	198	2,563	172	31,380	1,368	44,503	1,888	16,929	1,288	1,969	171	1,687	304	846	195

	Coho						Sockeye			Steelhead			
	2004		2003		10-Yr Avg.				10-Yr			10-Yr	Wild
DAM	Adult	Jack	Adult	Jack	Adult	Jack	2004	2003	Avg.	2004	2003	Avg.	2004
BON	38,550	2,031	31,848	1,554	18,870	1,181	123,283	39,290	42,656	237,725	285,688	232,340	81,006
TDA	8,423	553	4,837	601	2,000	270	107,462	34,176	34,664	128,576	115,275	113,597	44,864
JDA	3,634	464	3,187	504	979	159	113,494	35,415	37,903	110,224	97,069	79,647	36,869
MCN	1,283	102	872	207	273	47	89,707	32,037	33,490	69,166	62,933	56,555	23,041
IHR	62	0	1	0	4	0	91	37	18	40,533	36,570	32,398	10,431
LMN	5	2	2	0	1	1	77	14	24	25,070	25,519	27,598	6,653
LGS	1	0	1	0	0	0	80	22	26	19,159	18,455	19,332	5,275
LWG	1	0	0	0	0	0	113	11	22	20,258	26,285	19,119	6,242
PRD	65	13	21	8	10	3	124,943	36,543	40,828	10,473	10,614	6,970	0
RIS	0	0	13	0	3	0	100,936	34,771	37,863	7,500	7,352	5,294	6,014
RRH	0	0	2	0	1	0	80,794	30,342	24,447	5,841	5,510	3,662	4,431
WEL	0	0	0	0	0	0	77,458	28,968	24,015	3,348	3,658	2,524	2,301

RIS and RRH are through 9/7. WEL is through 9/8
LGR has duplicate data 7/14 and 7/15.
*PRD is not posting 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: 09/10/04

Run Year counts (June 1, 2004 to May 31, 2005):

Steelhead
12,640

BON counts from January 1, 2004 to March 14, 2004 (our traditional counts begin March 15):

Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
156	1	1,489	238