



Fish Passage Center

Weekly Report #04 - 30

October 1, 2004

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NOTE: This is the last issue of the Weekly report in 2004. The next issue will be on October 17 and will be BiWeekly through October and into November.

Summary of Events:

Water Supply: Columbia Basin precipitation throughout the first twenty-seven days of September has generally been well above average in most basins. Over the entire water year, precipitation remains near average to 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 1-27		Water Year 2004 October 1, 2003 to September 27, 2004	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	2.62	181	26.56	104
Snake River Above Ice Harbor	1.18	124	17.94	101
Columbia Above The Dalles	1.86	159	24.29	104
Kootenai	2.89	198	27.18	104
Clark Fork	2.10	193	18.91	106
Flathead	2.13	145	23.56	100
Pend Oreille/Spokane	2.41	179	32.50	104
Central Washington	0.28	71	8.79	97
Snake River Plain	0.45	60	9.94	86
Salmon/Boise/Payette	1.23	135	19.77	99
Clearwater	2.65	174	34.48	111
SW Washington Cascades/Cowlitz	4.63	166	69.55	98
Willamette Valley	3.12	163	58.36	98

Grand Coulee has refilled 0.7 feet over the last week and is at an elevation of 1286.7 feet (9-30-04). Outflows at Grand Coulee have ranged between 52.6 Kcfs and 95.2 Kcfs over the last week.

Libby has been releasing a constant 9.6 Kcfs for the past two weeks. Because inflows to Libby remain relatively high, Libby has continued refilling at a rate of less than 1/10 foot per day and is currently at an elevation of 2446.8 feet (9-30-04).

Outflows at Hungry Horse have dropped over the last week from 3.3 Kcfs to 1.6 Kcfs. Hungry Horse Reservoir is currently at an elevation of 3540.0 feet and holding steady. The Dworshak Reservoir has continued outflows at the project minimum flow of 1.6-1.7 Kcfs.

Dworshak is currently at an elevation of 1520.9 feet and has held steady over the week.

The Brownlee Reservoir is currently at an elevation of 2050.4 feet and has refilled approximately 0.6 feet over the last week. Outflows at Brownlee have ranged between 8.4 and 11.7 Kcfs over the last week.

Albeni Falls continues to draft slightly in effort to reach its winter level of 2055 feet by mid-November. Outflows at Albeni falls have been 26 Kcfs over the last week.

Smolt Monitoring: Subyearling chinook indices went up significantly at Lower Granite and Little Goose dams this past week while indices at Bonneville Dam were up as well.

At Lower Granite Dam, subyearling chinook indices increased this week with this week's average index at 1,300 per day compared to 780 per day last week. There was a relatively large increase in passage numbers on September 24 as the index rose to 3,700 fish. Almost all chinook PIT-tag detections appear to be fish from the Clearwater River. At Little Goose there was also an increase in the index with the average daily value this week at 230 compared to 180 per day last week. At Lower Monumental Dam there was a continued decrease, as most subyearlings were collected and transported upstream. The index at Lower Monumental dropped from 37 per day last week to 13 per day this week.

In the Lower Columbia, at McNary Dam transportation was ended last week due to low collection of subyearling chinook and large numbers of shad. Sampling ended on September 19 at the project. At Bonneville Dam the average index was 110 subyearling chinook per day compared to 80 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. In the Snake River basin, there will be a few summer/fall releases of spring chinook and coho that will be expected to migrate to the ocean in 2005.

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	21,996,183	36,760,366
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	33,814,305	83,084,968

Adult Fish Passage - At Bonneville Dam, counts of adult fall chinook ranged between 3,100 and 8,000 per day for the week ending September 30th. The total count for the fall season is 546,903, and is 93.9% and 199% of the respective 2003 and 10-year average to date. The percentage of Tule fall chinook passing the project on a daily basis ranged between 4-12% of the daily fall chinook count through this week with approximately 171,005 past the project as of September 29. The percentage of Tule fall chinook passing the project are rapidly decreasing with the final spawning day being today at Spring Creek NFH. Approximately 70,000 Tule chinook returned to the hatchery this season. Most returning fish were excess to the hatchery program. Other Tule chinook spread out to the tributaries in the Bonneville Pool to spawn. The remaining 60+% of the adult fall chinook passing Bonneville Dam are part of the "Bright" fall chinook component of the Run that will migrate throughout the Columbia and Snake rivers with the largest portion of this Run spawning in the Hanford Reach of the Columbia River. The bright fall chinook includes the "listed" wild fall chinook destined for the Snake River. Fall chinook counts at John Day Dam ranged from 2,000 to 4,700 through the week; with the high daily count upstream at McNary Dam near 4,500 for the week. This year's fall run of adult fall chinook into the Snake River has been well above the 10-year

average with 17,952 adult fall chinook counted at Ice Harbor Dam through September 30th. This count total is near equal and 2.8 times greater than the 2003 and 10-year average, respectively. In the Mid/Upper-Columbia, passage of adult fall chinook at Priest Rapids Dam was 32,318, about 89% of the 2003 count and 1.7 times greater than the 10-year average through September 29. Daily counts at Priest Rapids ranged from 500 to 1,200 for the week.

Steelhead counts at Bonneville Dam ranged from 1,200 to a high of near 2,200 for the week ending September 30. The steelhead run totals 293,893 through September 30, and was about 85% of the 2003 count and 104% of the 10-year average. Steelhead counts at The Dalles Dam ranged from 2,000 to a high of 4,000 through the week with the season total now at 212,843. Passage of steelhead at McNary Dam had daily counts ranging between 3,000 and 4,900 for the week with 178,696 total. The 2004 total count is 89% of the 2003 count and 132% of the 10-year average. The daily counts at Ice Harbor Dam ranged from 2,300 to 4,500 per day through the count week with the cumulative count through September 30 at 124,145. In the Mid-Columbia River, daily steelhead counts at Priest Rapids Dam ranged between 100 and 300 with the total steelhead count at 17,443 for the season. This total continues above the 2003 and the 10-year average at Priest Rapids.

At Bonneville Dam, daily counts of coho ranged between 1,300 and 2,100. The cumulative total for the season was 83,728, about 89% and 156% of the respective 2003 and 10-year average. At present, 28,200 of these coho have passed The Dalles Dam and almost 23,000 at John Day Dam. These coho should migrate to the Umatilla, Yakima, Upper Columbia, and Snake rivers in varying numbers as these river basins all support runs of hatchery and wild/natural coho.

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
09/17/04	68.1	0.0	68.3	0.0	71.0	0.0	67.0	0.0	68.3	0.0	72.1	2.0	70.6	1.1
09/18/04	51.2	0.0	53.4	0.0	56.5	0.0	56.8	0.0	60.6	0.0	65.8	2.0	62.0	1.1
09/19/04	40.0	0.0	40.2	0.0	42.1	0.0	41.1	0.0	44.1	0.0	48.1	1.8	49.5	1.1
09/20/04	67.1	0.0	68.0	0.0	69.5	0.0	68.2	0.0	69.0	0.0	67.1	1.9	61.5	1.0
09/21/04	89.3	0.0	91.0	0.0	93.5	0.0	89.5	0.0	91.3	0.0	93.5	2.1	86.7	1.0
09/22/04	93.3	0.0	93.0	0.0	95.8	0.0	94.7	0.0	96.5	0.0	100.8	2.0	97.3	1.0
09/23/04	105.6	0.0	105.0	0.0	103.0	0.0	99.4	0.0	101.2	0.0	108.9	1.7	107.4	1.1
09/24/04	79.9	0.0	88.0	0.0	93.0	0.0	96.4	0.0	99.1	0.0	99.8	2.0	97.5	1.1
09/25/04	62.5	0.0	62.5	0.0	67.6	0.0	69.9	0.0	72.7	0.0	81.6	1.8	79.4	1.2
09/26/04	52.6	0.0	54.0	0.0	58.5	0.0	58.3	0.0	58.3	0.0	64.9	1.4	68.1	0.9
09/27/04	95.2	0.0	92.6	0.0	91.6	0.0	88.8	0.0	91.8	0.0	93.5	1.6	85.9	0.9
09/28/04	83.4	0.0	87.3	0.0	89.8	0.0	89.3	0.0	91.2	0.0	93.4	1.8	90.1	1.0
09/29/04	74.7	0.0	74.0	0.0	78.5	0.0	79.0	0.0	79.5	0.0	81.9	1.8	82.0	0.7
09/30/04	92.0	0.0	94.9	0.0	94.1	0.0	93.5	0.0	94.4	0.0	93.4	1.9	89.2	0.7

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
09/17/04	5.1	0.0	9.5	10.5	34.8	0.0	36.3	0.0	36.5	0.0	33.7	0.0
09/18/04	5.7	0.0	10.2	9.2	26.1	0.0	26.2	0.0	27.8	0.0	28.9	0.0
09/19/04	3.5	0.0	10.2	8.7	28.4	0.0	27.0	0.0	27.0	0.0	25.7	0.0
09/20/04	1.9	0.0	10.1	8.8	22.6	3.9	24.9	0.0	24.8	0.0	23.9	0.0
09/21/04	1.7	0.0	11.0	8.9	20.0	4.8	25.6	0.0	24.7	0.0	23.2	0.0
09/22/04	1.7	0.0	10.8	9.8	25.4	12.2	20.8	0.0	21.4	0.0	20.2	0.0
09/23/04	1.7	0.0	10.9	12.6	23.3	3.9	23.5	0.0	23.8	0.0	24.1	0.0
09/24/04	1.7	0.0	11.1	11.3	28.1	0.0	24.7	0.0	25.1	0.0	24.0	0.0
09/25/04	1.7	0.0	10.8	8.9	23.3	0.0	23.7	0.0	24.4	0.0	24.5	0.0
09/26/04	1.7	0.0	10.0	8.8	21.4	0.0	22.0	0.0	21.3	0.0	20.6	0.0
09/27/04	1.7	0.0	10.6	11.0	20.0	0.0	20.6	0.0	21.6	0.0	20.2	0.0
09/28/04	1.7	0.0	10.6	9.5	21.4	0.0	19.6	0.0	19.8	0.0	19.2	0.0
09/29/04	1.7	0.0	10.5	11.7	21.6	0.0	21.6	0.0	22.0	0.0	22.8	0.0
09/30/04	1.7	0.0	---	---	20.9	0.0	20.6	0.0	20.7	0.0	19.8	0.0

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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
09/17/04	108.5	0.0	104.1	0.8	106.0	0.0	106.7	2.2	16.1	81.6
09/18/04	102.0	0.0	104.8	0.8	109.0	0.0	115.4	2.4	24.1	82.2
09/19/04	92.0	0.0	87.4	0.8	92.6	0.0	102.2	2.4	9.7	83.4
09/20/04	106.7	0.0	110.2	0.8	115.6	0.0	115.6	2.3	17.6	89.1
09/21/04	100.5	0.0	92.9	0.8	95.3	0.0	98.8	2.3	4.6	85.2
09/22/04	112.4	0.0	108.3	0.8	108.9	0.0	113.5	2.3	12.4	92.2
09/23/04	126.8	0.0	125.1	0.8	126.7	0.0	126.0	2.2	24.4	92.6
09/24/04	123.3	0.0	121.6	0.7	127.2	0.0	132.5	2.1	32.1	91.5
09/25/04	113.0	0.0	111.5	0.6	113.5	0.0	119.5	2.2	16.6	94.0
09/26/04	104.2	0.0	105.2	0.8	109.5	0.0	112.4	2.3	12.9	90.5
09/27/04	121.9	0.0	122.9	0.6	123.3	0.0	121.4	2.2	19.6	92.9
09/28/04	112.3	0.0	110.7	0.8	113.7	0.0	123.9	2.2	18.4	94.6
09/29/04	121.5	0.0	121.6	0.8	123.6	0.0	117.7	2.3	18.4	90.3
09/30/04	108.6	0.0	104.7	0.8	108.3	0.0	118.8	2.1	18.5	91.5

HATCHERY RELEASES LAST TWO WEEKS

Hatchery Release Summary
From: 9/17/2004 to 09/30/04

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Dworshak NFH	CH1	SP	2005	73,000	09-06-04	09-30-04	Selway River	Clearwater River M F
Nez Perce Tribe Total					73,000				
Grand Total					73,000				

HATCHERY RELEASES NEXT TWO WEEKS

Hatchery Release Summary
From: 10/1/2004 to 10/14/2004

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Clearwater Hatchery	CH1	SP	2004	156,310	10-10-04	10-14-04	Lolo Creek	Clearwater River M F
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH1	SP	2005	75,000	10-01-04	10-31-04	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe Total					231,310				
Grand Total					231,310				

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
9/17	---	---	---	0	106	107	107	24	103	103	104	24	102	102	103	24	103	104	104	23
9/18	---	---	---	0	108	109	109	24	103	103	103	24	102	102	103	24	103	103	103	23
9/19	---	---	---	0	108	109	109	24	102	103	103	24	101	102	106	24	103	103	103	23
9/20	---	---	---	0	107	107	108	24	101	102	103	24	101	101	103	24	101	101	102	22
9/21	---	---	---	0	105	106	109	24	101	101	101	24	100	100	102	24	101	101	101	23
9/22	---	---	---	0	107	110	115	24	101	101	101	24	100	100	102	24	101	101	102	23
9/23	---	---	---	0	105	106	107	24	101	101	101	24	100	101	102	24	101	102	102	23
9/24	---	---	---	0	105	106	107	24	100	101	101	24	99	99	100	24	101	101	101	24
9/25	---	---	---	0	105	106	107	24	101	101	101	21	100	100	102	24	101	101	101	24
9/26	---	---	---	0	106	107	112	24	101	101	101	24	99	100	100	24	101	101	102	23
9/27	---	---	---	0	105	105	106	24	101	101	101	24	100	100	101	24	100	101	101	23
9/28	---	---	---	0	104	105	105	24	101	101	102	24	100	101	105	24	101	102	102	23
9/29	---	---	---	0	104	104	105	24	101	102	102	24	100	100	102	24	102	102	103	23
9/30	---	---	---	0	103	104	105	24	101	101	101	24	100	100	102	24	101	101	101	23

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	
9/17	105	105	106	23	---	---	0	---	---	0	102	102	103	24	102	102	103	24
9/18	104	105	106	23	---	---	0	---	---	0	102	102	103	24	102	102	103	24
9/19	104	104	106	23	---	---	0	---	---	0	102	102	103	24	102	102	102	24
9/20	102	103	104	23	---	---	0	---	---	0	100	100	101	24	101	103	126	24
9/21	101	102	103	23	---	---	0	---	---	0	100	100	100	24	99	99	100	24
9/22	101	102	103	23	---	---	0	---	---	0	100	100	100	24	99	99	99	24
9/23	102	102	104	23	---	---	0	---	---	0	100	100	100	24	99	99	99	24
9/24	102	102	103	24	---	---	0	---	---	0	100	100	100	24	99	99	99	24
9/25	102	103	103	24	---	---	0	---	---	0	100	100	100	24	99	99	99	24
9/26	102	102	104	23	---	---	0	---	---	0	100	100	100	24	99	99	99	24
9/27	101	101	103	23	---	---	0	---	---	0	100	100	100	24	99	99	99	24
9/28	102	102	104	23	---	---	0	---	---	0	100	100	100	24	99	99	99	24
9/29	103	104	106	23	---	---	0	---	---	0	100	100	100	24	99	99	99	24
9/30	101	102	104	23	---	---	0	---	---	0	100	100	100	24	99	99	99	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
9/17	101	102	102	24	102	102	102	24	101	101	102	23	102	102	102	23	101	101	102	23
9/18	101	101	102	24	101	102	102	24	101	101	101	23	102	102	102	23	101	101	101	23
9/19	100	101	101	24	101	101	102	24	100	101	102	23	101	101	101	23	100	100	100	23
9/20	99	100	100	24	100	100	101	24	100	100	100	23	100	100	101	23	99	100	101	23
9/21	99	99	100	24	100	101	101	24	99	99	100	23	99	100	100	23	99	100	101	23
9/22	99	99	99	24	101	101	101	24	99	100	100	23	99	100	100	23	100	101	101	23
9/23	99	99	99	24	101	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
9/24	99	99	99	24	101	102	102	24	100	100	101	23	100	100	100	23	100	101	101	23
9/25	99	99	99	24	102	102	102	24	101	102	103	23	101	101	101	23	101	102	102	23
9/26	99	99	99	24	102	102	102	24	101	102	102	23	101	101	102	23	101	101	102	23
9/27	99	99	99	24	102	102	103	24	102	103	104	22	101	102	102	23	101	102	103	23
9/28	99	99	99	24	103	103	103	24	103	104	105	23	102	103	103	23	102	103	104	23
9/29	99	99	99	24	103	103	103	24	103	103	104	23	102	103	103	23	102	103	103	23
9/30	99	99	99	24	102	103	103	24	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<u>Priest R. Dnst</u>			<u>Pasco</u>			<u>Dworshak</u>			<u>Clrwtr-Peck</u>			<u>Anatone</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High		#			
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	Avg	hr
9/17	---	---	---	0	100	100	101	9	100	100	101	24	100	101	101	24	101	102	102	24
9/18	---	---	---	0	---	---	---	0	99	100	100	24	100	101	101	24	101	101	102	24
9/19	---	---	---	0	---	---	---	0	100	101	102	24	100	101	102	24	101	102	103	24
9/20	---	---	---	0	---	---	---	0	102	104	106	24	99	100	101	24	100	101	101	24
9/21	---	---	---	0	---	---	---	0	104	105	106	24	100	101	102	24	101	102	103	24
9/22	102	102	104	23	---	---	---	0	104	105	106	24	101	102	103	24	101	102	103	23
9/23	---	---	---	0	---	---	---	0	104	105	106	24	100	100	101	9	101	102	103	24
9/24	101	102	102	23	---	---	---	0	105	106	107	24	---	---	---	0	101	102	103	23
9/25	103	103	104	23	---	---	---	0	105	106	107	24	---	---	---	0	102	102	104	24
9/26	103	104	104	23	---	---	---	0	104	105	107	24	---	---	---	0	101	102	103	24
9/27	103	104	104	23	---	---	---	0	104	105	106	24	---	---	---	0	101	102	103	24
9/28	104	104	105	23	---	---	---	0	105	105	107	24	---	---	---	0	101	102	103	24
9/29	104	104	105	23	---	---	---	0	105	106	107	24	---	---	---	0	101	102	103	24
9/30	---	---	---	0	---	---	---	0	104	105	107	24	---	---	---	0	101	101	103	24

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite Tlwr</u>			<u>Little Goose</u>			<u>L. Goose Tlwr</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High		#			
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	Avg	hr
9/17	100	101	102	24	102	102	103	24	100	101	101	24	99	99	99	24	---	---	---	0
9/18	101	102	103	24	101	101	102	24	100	100	101	24	99	99	99	24	---	---	---	0
9/19	100	101	102	24	101	102	102	24	100	100	100	24	98	99	99	24	---	---	---	0
9/20	100	101	103	24	99	100	101	24	107	114	121	24	97	98	98	24	---	---	---	0
9/21	101	103	104	24	99	99	100	24	111	121	123	24	97	97	97	24	---	---	---	0
9/22	101	103	104	24	99	100	101	24	111	116	116	24	97	98	100	24	---	---	---	0
9/23	100	100	103	13	99	100	101	24	108	118	123	24	97	97	98	24	---	---	---	0
9/24	---	---	---	0	99	100	101	24	98	98	98	24	97	97	100	24	---	---	---	0
9/25	---	---	---	0	100	101	102	24	98	99	100	24	98	99	100	24	---	---	---	0
9/26	---	---	---	0	99	100	101	24	99	99	100	24	99	102	104	24	---	---	---	0
9/27	---	---	---	0	101	104	105	24	99	100	100	24	103	105	108	24	---	---	---	0
9/28	---	---	---	0	104	105	107	24	100	100	101	24	104	106	109	24	---	---	---	0
9/29	---	---	---	0	105	106	107	24	101	101	102	24	107	108	111	24	---	---	---	0
9/30	---	---	---	0	103	104	104	24	101	101	102	24	100	100	101	24	---	---	---	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>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High		#			
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	Avg	hr
9/17	---	---	---	0	---	---	---	0	99	99	99	22	99	100	100	22	100	100	100	24
9/18	---	---	---	0	---	---	---	0	99	99	99	24	100	100	101	23	100	100	100	24
9/19	---	---	---	0	---	---	---	0	98	98	98	24	99	100	101	24	100	101	101	24
9/20	---	---	---	0	---	---	---	0	97	97	98	24	98	98	100	24	98	99	99	24
9/21	---	---	---	0	---	---	---	0	96	96	97	24	98	98	98	24	98	99	100	24
9/22	---	---	---	0	---	---	---	0	97	98	98	24	99	99	101	24	100	102	104	24
9/23	---	---	---	0	---	---	---	0	97	98	98	24	98	99	99	24	100	102	103	24
9/24	---	---	---	0	---	---	---	0	98	99	100	24	98	99	100	24	99	100	101	24
9/25	---	---	---	0	---	---	---	0	99	99	100	24	98	99	100	24	101	102	103	24
9/26	---	---	---	0	---	---	---	0	99	100	100	24	99	100	101	24	102	103	104	24
9/27	---	---	---	0	---	---	---	0	99	99	101	23	99	100	101	23	102	103	103	24
9/28	---	---	---	0	---	---	---	0	100	100	101	24	100	100	101	24	103	104	106	24
9/29	---	---	---	0	---	---	---	0	101	102	103	24	100	100	101	24	103	104	105	24
9/30	---	---	---	0	---	---	---	0	99	100	101	24	100	100	101	24	103	104	104	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>24 h</u>		<u>12 h</u>		#	<u>24h</u>		<u>12h</u>		#	<u>24h</u>		<u>12h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
9/17	100	100	100	24	100	100	101	24	100	100	100	23	100	100	100	24	99	100	100	23
9/18	100	100	100	24	100	100	100	24	100	100	100	23	100	100	100	24	99	99	100	23
9/19	99	99	100	24	99	100	100	24	99	99	100	23	99	100	100	24	99	99	99	23
9/20	98	98	99	24	98	99	99	24	98	98	99	23	98	99	99	24	98	98	98	23
9/21	97	98	99	24	98	98	98	24	97	98	98	23	97	98	98	24	98	98	98	23
9/22	99	100	101	24	99	99	100	24	98	98	98	23	98	98	99	24	98	99	99	23
9/23	100	100	101	24	99	100	100	24	98	98	98	23	98	98	99	24	98	99	99	23
9/24	102	102	104	24	100	101	101	24	99	99	100	24	98	99	99	24	98	99	99	24
9/25	102	103	105	24	101	101	102	24	99	100	100	24	116	132*	132*	24	99	99	99	24
9/26	103	104	106	24	101	102	102	24	99	100	101	23	131*	132*	133*	24	99	99	100	23
9/27	103	104	105	24	102	102	102	24	100	101	102	23	131*	133*	134*	24	99	99	100	23
9/28	103	104	106	24	102	102	102	24	100	100	101	11	131*	131*	132*	13	100	100	101	23
9/29	103	103	104	24	102	102	103	24	---	---	---	0	---	---	---	0	100	100	100	7
9/30	103	104	104	24	102	102	102	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/Washugal</u>			
	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24h</u>		<u>12h</u>		#	
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg
9/17	101	101	102	24	100	100	100	23	102	102	103	23	101	101	101	24
9/18	100	101	101	24	100	100	100	23	102	102	103	23	100	100	100	24
9/19	100	100	100	24	99	99	100	23	101	101	102	23	100	100	101	24
9/20	99	99	99	24	98	98	99	23	100	101	101	23	99	100	100	24
9/21	99	99	99	24	98	98	98	23	100	101	101	23	100	100	101	24
9/22	99	100	100	24	99	99	99	23	101	101	102	23	100	100	100	12
9/23	99	99	100	24	99	99	99	23	101	101	102	23	---	---	---	0
9/24	99	99	100	24	100	100	100	24	101	102	102	24	---	---	---	0
9/25	100	100	100	24	100	100	100	24	102	102	103	24	---	---	---	0
9/26	100	100	100	24	100	100	100	23	101	102	103	23	---	---	---	0
9/27	100	100	100	24	100	100	100	23	102	103	104	23	---	---	---	0
9/28	100	101	101	24	100	101	101	23	102	103	103	23	---	---	---	0
9/29	101	101	101	8	100	100	101	23	102	102	102	23	---	---	---	0
9/30	---	---	---	0	100	100	100	23	102	102	103	23	---	---	---	0

*Likely due to Instrument error

Two-Week Summary of Passage Indices

Date	COMBINED YEARLING CHINOOK											
	ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
09/17/2004	---	---	---	---	---	0	0	1	---	0	---	0
09/18/2004	---	---	---	---	---	1	0	2	---	0	---	5
09/19/2004 *	---	---	---	---	---	0	1	2	---	0	---	0
09/20/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/21/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/22/2004	---	---	---	---	---	2	0	0	---	---	---	0
09/23/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/24/2004	---	---	---	---	---	5	0	0	---	---	---	0
09/25/2004	---	---	---	---	---	4	0	1	---	---	---	0
09/26/2004	---	---	---	---	---	4	0	0	---	---	---	0
09/27/2004	---	---	---	---	---	0	1	0	---	---	---	0
09/28/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/29/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/30/2004	---	---	---	---	---	0	0	0	---	---	---	0
10/01/2004	---	---	---	---	---	0	0	0	---	---	---	---

Total:	0	0	0	0	0	16	2	6	0	0	0	5
# Days:	0	0	0	0	0	15	15	15	0	3	0	14
Average:	0	0	0	0	0	1	0	0	0	0	0	0
YTD	835	29,063	66,832	9,904	4,053	5,175,981	2,658,619	913,848	12,574	1,069,763	1,005,416	1,466,448

Date	COMBINED SUBYEARLING CHINOOK											
	ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
09/17/2004	---	---	---	---	---	371	443	74	---	8	---	83
09/18/2004	---	---	---	---	---	415	346	42	---	32	---	63
09/19/2004 *	---	---	---	---	---	274	165	68	---	32	---	42
09/20/2004	---	---	---	---	---	214	94	46	---	---	---	52
09/21/2004	---	---	---	---	---	476	68	12	---	---	---	25
09/22/2004	---	---	---	---	---	485	64	12	---	---	---	99
09/23/2004	---	---	---	---	---	3,255	85	4	---	---	---	201
09/24/2004	---	---	---	---	---	3,761	123	8	---	---	---	222
09/25/2004	---	---	---	---	---	2,000	153	21	---	---	---	164
09/26/2004	---	---	---	---	---	1,104	168	11	---	---	---	121
09/27/2004	---	---	---	---	---	632	349	26	---	---	---	144
09/28/2004	---	---	---	---	---	276	302	7	---	---	---	67
09/29/2004	---	---	---	---	---	208	282	7	---	---	---	19
09/30/2004	---	---	---	---	---	52	251	4	---	---	---	20
10/01/2004	---	---	---	---	---	112	119	19	---	---	---	---

Total:	0	0	0	0	0	13,635	3,012	361	0	72	0	1,322
# Days:	0	0	0	0	0	15	15	15	0	3	0	14
Average:	0	0	0	0	0	909	201	24	0	24	0	94
YTD	1,579	0	29	80	935	1,031,157	489,034	191,595	25,925	8,414,554	1,720,827	4,745,098

* 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												
	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)
09/17/2004	---	---	---	---	---	1	1	0	---	0	---	0
09/18/2004	---	---	---	---	---	0	1	0	---	0	---	0
09/19/2004 *	---	---	---	---	---	0	0	0	---	0	---	0
09/20/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/21/2004	---	---	---	---	---	0	1	0	---	---	---	0
09/22/2004	---	---	---	---	---	0	1	0	---	---	---	0
09/23/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/24/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/25/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/26/2004	---	---	---	---	---	0	1	0	---	---	---	0
09/27/2004	---	---	---	---	---	0	0	0	---	---	---	0
09/28/2004	---	---	---	---	---	4	1	0	---	---	---	0
09/29/2004	---	---	---	---	---	4	0	0	---	---	---	0
09/30/2004	---	---	---	---	---	0	0	0	---	---	---	0
10/01/2004	---	---	---	---	---	0	0	0	---	---	---	---

Total:	0	0	0	0	0	9	6	0	0	0	0	0
# Days:	0	0	0	0	0	15	15	15	0	3	0	14
Average:	0	0	0	0	0	1	0	0	0	0	0	0
YTD	0	0	0	0	45	259,507	127,976	15,933	28,668	90,681	175,311	938,028

COMBINED STEELHEAD												
	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)
09/17/2004	---	---	---	---	---	19	5	1	---	0	---	0
09/18/2004	---	---	---	---	---	29	6	0	---	0	---	5
09/19/2004 *	---	---	---	---	---	13	4	0	---	0	---	0
09/20/2004	---	---	---	---	---	31	6	1	---	---	---	0
09/21/2004	---	---	---	---	---	40	3	0	---	---	---	0
09/22/2004	---	---	---	---	---	30	2	1	---	---	---	0
09/23/2004	---	---	---	---	---	29	5	1	---	---	---	0
09/24/2004	---	---	---	---	---	5	7	1	---	---	---	0
09/25/2004	---	---	---	---	---	16	9	0	---	---	---	0
09/26/2004	---	---	---	---	---	0	4	1	---	---	---	0
09/27/2004	---	---	---	---	---	0	12	0	---	---	---	0
09/28/2004	---	---	---	---	---	4	10	0	---	---	---	0
09/29/2004	---	---	---	---	---	0	7	0	---	---	---	0
09/30/2004	---	---	---	---	---	0	7	1	---	---	---	5
10/01/2004	---	---	---	---	---	0	7	1	---	---	---	---

Total:	0	0	0	0	0	216	94	8	0	0	0	10
# Days:	0	0	0	0	0	15	15	15	0	3	0	14
Average:	0	0	0	0	0	14	6	1	0	0	0	1
YTD	195	2,106	36,387	1,857	8,418	5,828,565	1,917,794	343,356	10,735	124,610	257,272	155,715

* See sampling comments

Two-Week Summary of Passage Indices

Date	COMBINED SOCKEYE											
	ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
09/17/2004	---	---	---	---	---	8	2	0	---	0	---	0
09/18/2004	---	---	---	---	---	4	2	0	---	0	---	0
09/19/2004 *	---	---	---	---	---	16	2	0	---	0	---	0
09/20/2004	---	---	---	---	---	27	0	0	---	---	---	0
09/21/2004	---	---	---	---	---	4	0	0	---	---	---	0
09/22/2004	---	---	---	---	---	49	0	0	---	---	---	0
09/23/2004	---	---	---	---	---	11	0	0	---	---	---	0
09/24/2004	---	---	---	---	---	19	0	0	---	---	---	0
09/25/2004	---	---	---	---	---	0	4	0	---	---	---	5
09/26/2004	---	---	---	---	---	8	4	0	---	---	---	0
09/27/2004	---	---	---	---	---	12	1	0	---	---	---	0
09/28/2004	---	---	---	---	---	4	0	2	---	---	---	0
09/29/2004	---	---	---	---	---	12	0	0	---	---	---	0
09/30/2004	---	---	---	---	---	4	0	0	---	---	---	0
10/01/2004	---	---	---	---	---	8	2	0	---	---	---	---

Total:	0	0	0	0	0	186	17	2	0	0	0	5
# Days:	0	0	0	0	0	15	15	15	0	3	0	14
Average:	0	0	0	0	0	12	1	0	0	0	0	0
YTD	6	9	0	0	25	7,817	4,789	962	7,114	309,002	235,929	189,694

* 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:

10/1/04 10:38 AM

09/18/04 TO 10/01/04

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	11,686	14	9	156	184	12,049
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	165	165
	Sum of Numbertrucked	11,686	14	9	139	18	11,866
	Sum of TotalProjectMortalities	188	0	0	18	1	207
LGS	Sum of NumberCollected	3,012	2	6	17	94	3,131
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of Numbertrucked	3,462	2	10	16	100	3,590
	Sum of TotalProjectMortalities	28	0	0	1	0	29
LMN	Sum of NumberCollected	361	6			2	377
	Sum of NumberBarged	0	0			0	0
	Sum of NumberBypassed	0	0			0	0
	Sum of Numbertrucked	418	6			2	436
	Sum of TotalProjectMortalities	6	0			0	6
MCN	Sum of NumberCollected	72					72
	Sum of NumberBarged	0					0
	Sum of NumberBypassed	0					0
	Sum of Numbertrucked	121					121
	Sum of TotalProjectMortalities	6					6
Total Sum of NumberCollected		15,131	22	15	175	286	15,629
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		0	0	0	0	165	165
Total Sum of Numbertrucked		15,687	22	19	157	128	16,013
Total Sum of TotalProjectMortalities		228	0	0	19	1	248

YTD Transportation Summary

Source: Fish Passage Center

Updated:

10/1/04 10:38 AM

TO: 10/01/04

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	998,978	4,846,456	252,888	7,476	5,677,366	11,783,164
	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	289,877	501,284
	Sum of NumberTrucked	24,867	44,022	266	365	15,994	85,514
	Sum of TotalProjectMortalities	5,409	23,191	308	81	3,245	32,234
LGS	Sum of NumberCollected	488,767	2,573,093	124,719	4,737	1,871,698	5,063,014
	Sum of NumberBarged	471,597	2,569,347	124,430	4,667	1,867,844	5,037,885
	Sum of NumberBypassed	6	0	0	0	0	6
	Sum of NumberTrucked	16,058	2,228	227	61	1,756	20,330
	Sum of TotalProjectMortalities	1,107	1,524	62	9	2,098	4,800
LMN	Sum of NumberCollected	183,100	843,381	14,898	908	288,200	1,330,487
	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	3,927	1,390	9	3	697	6,026
	Sum of TotalProjectMortalities	1,066	1,491	4	1	696	3,258
MCN	Sum of NumberCollected	7,676,855	658,059	56,924	190,650	76,314	8,658,802
	Sum of NumberBarged	6,554,868	8,073	5,009	10,355	1,384	6,579,689
	Sum of NumberBypassed	1,044,727	647,051	51,742	179,173	74,612	1,997,305
	Sum of NumberTrucked	8,107	12	0	55	0	8,174
	Sum of TotalProjectMortalities	69,153	2,923	173	1,067	318	73,634
Total Sum of NumberCollected		9,347,700	8,920,989	449,429	203,771	7,913,578	26,835,467
Total Sum of NumberBarged		8,120,170	8,039,498	383,283	22,670	7,522,141	24,087,762
Total Sum of NumberBypassed		1,097,837	804,716	65,097	179,459	366,630	2,513,739
Total Sum of NumberTrucked		52,959	47,652	502	484	18,447	120,044
Total Sum of TotalProjectMortalities		76,735	29,129	547	1,158	6,357	113,926

Cumulative Adult Passage at Mainstem Dams Through: 09/30

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2004		2003		10-Yr Avg.		2004		2003		10-Yr Avg.		2004		2003		10-Yr Avg.	
	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	550,004	34,977	582,688	42,109	274,211	33,562
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	273,030	29,129	287,710	32,625	140,192	22,735
JDA	112,153	6,367	101,436	10,206	72,403	4,083	72,518	10,542	95,542	10,073	38,101	4,222	188,654	26,683	194,309	26,835	100,498	17,720
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	139,118	19,609	155,021	21,612	79,249	14,325
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	18,205	9,441	17,575	6,915	6,441	3,008
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	17,288	4,654	10,901	5,020	5,250	2,429
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	14,993	4,423	10,853	3,715	4,016	1,572
LWG	70,742	4,482	70,609	8,295	40,647	2,828	8,767	2,510	16,422	4,137	7,839	1,655	11,889	5,605	8,703	4,289	3,412	1,667
PRD	13,521	1,020	18,136	656	14,413	382	67,060	5,613	82,904	3,933	33,981	1,384	32,318	3,067	37,337	4,280	19,179	2,301
RIS	10,917	958	16,881	753	11,256	609	62,311	4,834	81,543	6,858	31,088	4,058	11,227	1,606	13,164	2,809	6,443	1,467
RRH	4,365	734	4,216	450	4,023	171	41,532	8,093	63,167	6,195	22,791	2,151	6,475	1,094	8,136	1,861	4,204	1,196
WEL	4,615	178	4,504	198	2,563	172	31,380	1,368	44,503	1,888	16,929	1,288	4,248	445	4,286	646	1,838	437

DAM	Coho						Sockeye			Steelhead			
	2004		2003		10-Yr Avg.		10-Yr Avg.			10-Yr Avg.			Wild
	Adult	Jack	Adult	Jack	Adult	Jack	2004	2003	Avg.	2004	2003	Avg.	2004
BON	85,501	4,125	93,818	4,202	53,586	3,413	123,320	39,291	42,656	295,126	345,830	283,201	93,639
TDA	28,458	1,698	28,045	2,168	11,045	1,359	107,466	34,176	34,664	215,036	236,714	189,519	67,010
JDA	23,292	1,889	21,911	3,157	7,857	1,074	113,499	35,417	37,905	200,504	235,201	163,536	60,198
MCN	13,112	797	10,610	1,203	3,519	427	89,707	32,037	33,490	161,964	178,696	120,234	46,605
IHR	2,070	21	404	32	119	8	91	37	18	128,735	135,676	83,214	32,026
LMN	1,798	99	153	28	34	6	77	14	24	103,446	111,783	74,134	25,262
LGS	1,306	74	148	16	23	0	80	23	26	93,439	95,311	59,339	22,271
LWG	1,152	46	160	13	30	2	113	11	22	91,789	95,815	56,744	22,580
PRD	2,962	645	2,504	294	465	76	124,943	36,551	40,828	17,443	16,235	10,384	0
RIS	1,497	0	1,762	0	313	0	106,617	34,778	37,924	17,592	15,053	9,024	12,388
RRH	248	0	70	0	25	0	74,905	30,354	24,454	12,478	11,079	6,534	7,841
WEL	0	0	2	0	0	0	77,487	28,977	24,033	7,574	7,451	4,646	4,532

RIS, RRH, PRD and WEL are through 09/29.

IHR is missing right ladder for 09/27.

*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: 10/01/04

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

Steelhead
84,171

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

