



Fish Passage Center

Weekly Report #04 - 29

September 24, 2004

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Summary of Events:

Water Supply: Columbia Basin precipitation throughout the first twenty 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		Water Year 2004	
	September 1-20		October 1, 2003 to	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	2.56	238	26.50	106
SNAKE RIVER ABOVE ICE HARBOR	1.16	164	17.91	102
Columbia Above The Dalles	1.81	209	24.24	105
Kootenai	2.86	265	27.16	106
Clark Fork	2.03	252	18.85	108
Flathead	2.05	189	23.48	102
Pend Oreille/Spokane	2.35	235	32.44	105
Central Washington	0.28	95	8.79	98
SNAKE RIVER PLAIN	0.45	80	9.93	88
Salmon/Boise/Payette	1.21	178	19.74	100
Clearwater	2.63	234	34.46	113
SW Washington Cascades/Cowlitz	4.53	218	69.44	98
Willamette Valley	3.10	218	58.34	99

Grand Coulee has refilled 3.0 feet over the last week and is at an elevation of 1285.9 feet (9-23-04). Outflows at Grand Coulee have ranged between 40.0 Kcfs and 105.6 Kcfs over the last week.

The release of water from Libby Reservoir has been modified to releasing between 9 Kcfs and 14 Kcfs, with a projected week average outflow of no more than 12.4 Kcfs. Inflows to Libby remain relatively high, enabling Libby to release a week average of near 12.4 Kcfs while actually refilling 1.7 feet. Libby is currently at an elevation of 2446.5 feet (9-23-04). Libby will continue the above release schedule through the rest of September.

Outflows at Hungry Horse have been relatively steady at 3.3 Kcfs over the last week. Hungry Horse Reservoir is currently at an elevation of 3540.2 feet and holding steady. The Dworshak Reservoir reduced outflows to the project minimum flow of 1.6-1.7 Kcfs on 9-21-04. Dworshak is currently at an elevation of 1520.7 feet (9-23-04).

The Brownlee Reservoir is currently at an elevation of 2049.9 feet and has refilled approximately 1.0 feet over the last week. Outflows at Brownlee have ranged between 7.8 and 11.3 Kcfs over the last week.

Albeni falls has begun drafting slightly in effort to reach its winter level of 2055 feet by mid-November.

There has been a powerhouse outage at Lower Granite Dam over the past week between the hours of 0700 and 1700, with the exception of 9-22-04 when the outage went from 2300 on 9-21-04 to 1700 on 9-22-04. During the outages, operators have run one unit at speed no load (5 Kcfs) and have spilled between 6.8 and 21.9 Kcfs. Operators have stored water above MOP +2 at Lower Granite during every day of the outage so far.

Smolt Monitoring: Subyearling chinook indices went up significantly at Lower Granite Dam this past week while indices at other sites still sampling continued to decrease.

At Lower Granite Dam, subyearling chinook indices increased this week with this week's average index at 780 per day compared to 90 per day last week. There was a relatively large increase in passage numbers on September 23 as nearly 2,300 fish were collected at the project. Based on PIT-tag detections these appear to be mostly fish from the Clearwater River. At Little Goose and Lower Monumental dams there were decreases in indices, with the index averaging 180 per day at Little Goose, and 37 per day at Lower Monumental compared to 530 and 85 last week, respectively.

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 80 subyearling chinook per day compared to 130 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 7,717 and 10,462 per day for the week ending September 23rd. The total count for the fall season is 509,322, and is 91.6% and 195% 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 14-34% of the daily fall chinook count through this week with approximately 167,541 past the project as of September 23. Tule fall chinook are mainly bound for Spring Creek NFH and tributaries in the Bonneville Pool with early projections of near 138,000 already exceeded 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 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 also includes the "listed" wild fall chinook destined for the Snake River. Fall chinook counts at John Day Dam ranged from 2,300 to 6,042 through the week with the high daily count at McNary near 5,753 for the week. The fall run of adult fall chinook into the Snake River has been fairly strong again this season with 16,257 adult fall chinook counted at Ice Harbor Dam through September 23rd. This count total is 1.1 times and 3.5 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 up to 27,175, below the 2003 count, but still well above the 10-year average of 17,218 through September 23. Daily counts ranged from 300 to 1,000 for the week.

Steelhead counts at Bonneville Dam ranged from 2,300 to a high of near 3,800 for the week ending September 23. The steelhead run totals 283,301 through September 23, and was about 84% of the 2003 count and 104% of the 10-year average. Steelhead counts passing upstream of The Dalles Dam ranged from 3,962 to a high of 5,458 through the week with the season total now at 194,168. Passage of steelhead at McNary Dam had daily counts ranging between 3,036 and 4,843 for the week with 133,845 total. The 2004 total count is 92% of the 2003 count and 137% 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 23 of 101,068. In the Mid-Columbia River, daily steelhead counts at Priest Rapids Dam ranged between 100 and 400 with the total steelhead count at 16,252 for the season. This total now exceeds both the 2003 and the 10-year average.

At Bonneville Dam, daily counts of coho ranged between 1,200 and 2,350. The cumulative total for the season was 73,296, about 86% and 152% of the respective 2003 and 10-year average. At present, 25,500 of these coho have passed The Dalles Dam and almost 20,000 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
09/10/04	75.5	0.0	78.9	0.0	83.2	0.0	83.6	0.0	84.7	0.0	95.2	2.1	91.3	1.1
09/11/04	70.9	0.0	70.2	0.0	71.4	0.0	68.8	0.0	70.5	0.0	76.6	1.9	75.9	1.0
09/12/04	44.8	0.0	49.0	0.0	50.4	0.0	49.9	0.0	51.8	0.0	56.9	1.6	54.9	1.1
09/13/04	66.9	0.0	65.6	0.0	66.0	0.0	65.3	0.0	67.4	0.0	69.5	1.2	64.9	0.9
09/14/04	50.6	0.0	56.0	0.0	58.8	0.0	57.3	0.0	57.5	0.0	59.8	1.6	58.0	0.9
09/15/04	61.1	0.0	58.4	0.0	58.9	0.0	57.1	0.0	59.9	0.0	61.8	1.8	56.8	0.9
09/16/04	66.6	0.0	67.6	0.0	68.3	0.0	67.9	0.0	69.8	0.0	71.3	1.6	66.6	1.0
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

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

Date	Dworshak		Brownlee Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
09/10/04	7.1	0.0	8.6	11.8	29.0	0.0	29.5	0.0	28.4	0.0	29.3	0.0
09/11/04	7.0	0.0	8.2	10.8	24.1	0.0	25.1	0.0	28.2	0.0	26.9	0.0
09/12/04	7.0	0.0	9.5	11.0	23.4	0.0	22.8	0.0	22.1	0.0	21.8	0.0
09/13/04	7.0	0.0	10.2	18.0	26.4	0.1	23.5	0.0	22.5	0.0	19.9	0.0
09/14/04	6.9	0.0	10.5	18.8	38.1	0.0	37.2	0.0	37.4	0.0	35.7	0.0
09/15/04	4.8	0.0	11.1	21.7	35.2	0.0	37.0	0.0	37.4	0.0	39.9	0.0
09/16/04	4.8	0.0	11.1	23.1	39.0	0.0	37.6	0.0	36.4	0.0	30.4	0.0
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	10.7	9.7	25.4	12.2	20.8	0.0	21.4	0.0	20.2	0.0
09/23/04	1.7	0.0	---	---	23.3	3.9	23.5	0.0	23.8	0.0	24.1	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		
09/10/04	127.4	0.0	126.9	0.9	129.6	0.0	130.5	2.2	27.8	94.0
09/11/04	118.4	0.0	109.3	0.8	110.8	0.0	115.6	2.2	18.9	88.2
09/12/04	95.2	0.0	95.8	0.7	100.6	0.0	102.1	2.3	15.6	77.8
09/13/04	96.9	0.0	92.8	0.7	97.0	0.0	103.5	2.3	16.3	78.5
09/14/04	96.6	0.0	94.9	0.6	99.7	0.0	104.2	2.3	15.7	79.9
09/15/04	109.7	0.0	107.3	0.8	110.3	0.0	114.3	2.2	20.4	85.1
09/16/04	77.8	0.0	81.1	0.8	82.9	0.0	89.5	2.4	15.0	64.8
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

HATCHERY RELEASES LAST TWO WEEKS

Hatchery Release Summary

From: 9/10/2004 to 9/23/2004

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Dworshak NFH	CH1	SP	2005	73000	09-06-04	09-30-04	Selway River	Clearwater River M F
Nez Perce Tribe Total					73000				

Grand Total 73,000

HATCHERY RELEASES NEXT TWO WEEKS

Hatchery Release Summary

From: 9/24/2004 to 10/7/2004

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	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					148,000				
Grand Total					148,000				

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>	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
9/10	---	---	---	0	105	106	106	24	103	104	104	24	103	103	103	24	104	104	105	23
9/11	---	---	---	0	104	104	105	24	103	104	104	24	103	104	106	24	104	104	104	23
9/12	---	---	---	0	105	106	106	24	104	104	105	24	103	103	103	24	103	103	104	23
9/13	---	---	---	0	106	107	107	24	103	103	104	24	103	103	104	24	103	103	104	23
9/14	---	---	---	0	105	106	106	24	103	103	103	21	102	103	103	24	103	103	104	23
9/15	---	---	---	0	106	106	107	24	103	103	103	24	102	103	103	24	103	103	104	23
9/16	---	---	---	0	106	106	106	24	103	103	103	24	102	102	103	24	103	103	103	23
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

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>	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
9/10	105	105	106	23	105	105	106	24	104	105	105	24	104	104	105	24	104	105	105	24
9/11	105	105	106	23	104	104	104	24	103	103	104	24	104	104	105	24	104	104	105	24
9/12	104	105	106	23	103	104	105	24	102	103	104	24	104	105	105	24	104	105	105	22
9/13	104	105	106	23	102	103	103	24	101	102	103	24	104	104	105	24	104	104	105	24
9/14	104	104	105	23	101	102	102	24	100	102	102	24	103	103	103	24	103	103	103	24
9/15	104	105	107	23	102	103	103	24	100	102	102	24	103	103	103	24	103	103	103	24
9/16	104	106	106	23	102	102	103	12	100	100	102	12	102	102	102	24	102	102	102	24
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

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>	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
9/10	103	104	105	24	103	104	104	24	102	103	103	23	102	103	103	23	102	103	103	23
9/11	103	104	104	24	104	104	105	24	102	102	103	23	102	102	103	23	102	103	103	23
9/12	103	103	104	24	104	104	104	24	101	102	102	23	102	102	102	23	102	102	102	23
9/13	103	103	105	24	103	104	105	24	---	---	---	0	---	---	---	0	---	---	---	0
9/14	102	103	103	24	103	103	104	24	101	101	101	23	101	101	102	23	100	101	101	23
9/15	102	102	102	24	102	102	103	24	101	101	102	23	101	102	102	23	101	101	101	23
9/16	102	102	102	24	102	102	102	24	101	101	101	23	101	101	102	23	100	101	101	23
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

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>Clrwrtr-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			
9/10	---	---	---	0	102	103	103	24	99	100	100	24	100	101	103	24	102	103	104	24
9/11	---	---	---	0	102	102	102	24	99	99	100	24	100	101	101	24	101	102	103	24
9/12	---	---	---	0	101	102	102	24	99	100	100	24	100	101	102	24	101	102	103	24
9/13	---	---	---	0	101	101	102	24	99	100	100	24	100	101	102	24	101	101	102	24
9/14	---	---	---	0	100	100	101	21	99	99	100	21	100	101	102	21	101	102	102	21
9/15	---	---	---	0	101	101	102	24	100	100	101	24	100	100	101	24	101	102	103	24
9/16	---	---	---	0	100	101	102	21	100	101	101	24	100	101	102	24	102	102	103	24
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

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwrtr-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			
9/10	102	104	105	24	103	105	106	24	99	100	100	24	99	100	101	24	99	100	100	24
9/11	101	102	103	24	105	106	107	24	101	101	101	24	100	101	101	24	99	100	100	24
9/12	101	102	103	24	104	105	106	24	101	101	102	24	98	99	99	24	98	99	99	24
9/13	101	101	102	24	103	104	104	24	101	101	102	24	99	99	99	24	99	99	99	24
9/14	100	101	103	21	102	103	103	21	100	100	101	21	98	98	98	21	98	99	99	21
9/15	100	101	102	24	102	102	104	24	100	100	100	24	98	98	99	24	99	99	99	24
9/16	101	102	104	24	101	101	102	24	100	100	101	24	98	99	99	24	98	98	99	13
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

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			
9/10	101	102	103	24	99	99	100	24	105	105	106	18	104	104	105	24	103	105	106	24
9/11	100	101	103	24	99	100	104	24	---	---	---	0	101	102	102	22	102	103	104	24
9/12	99	99	100	24	98	99	99	24	---	---	---	0	100	101	101	24	102	102	103	24
9/13	99	99	100	24	99	99	100	24	103	103	106	11	100	100	101	24	101	101	101	24
9/14	99	99	99	21	98	99	99	21	99	99	99	21	99	99	100	21	100	100	100	21
9/15	99	99	99	24	99	100	102	24	99	99	99	24	99	100	100	24	100	100	101	24
9/16	98	98	98	9	98	98	99	9	98	99	99	24	99	100	100	24	100	100	100	24
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

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

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>McNary-Wash</u>			<u>McNary Tlwr</u>			<u>John Day</u>			<u>John Day Tlwr</u>			<u>The Dalles</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>AVG</u>	<u>High</u>	<u>#</u>	
9/10	102	103	105	24	102	102	102	24	100	101	101	23	100	101	101	24	99	100	100	23
9/11	103	103	104	24	102	102	102	24	101	101	101	23	101	101	102	24	100	100	100	23
9/12	101	102	102	24	101	101	102	24	100	101	101	23	101	101	102	24	100	100	100	23
9/13	101	101	102	24	101	101	102	24	100	101	101	23	101	101	102	24	99	99	100	23
9/14	100	100	101	21	100	101	101	21	100	100	100	23	100	101	102	21	99	99	99	23
9/15	100	101	101	24	100	101	101	24	100	100	100	23	100	100	102	24	99	99	100	23
9/16	100	100	100	24	100	100	101	24	100	100	100	23	100	100	101	24	99	99	100	23
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

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>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	
9/10	100	101	101	24	100	100	100	23	102	102	103	23	102	103	103	24
9/11	101	101	101	24	100	100	101	23	101	102	102	23	101	101	102	24
9/12	101	101	101	24	100	100	100	23	102	102	103	23	101	101	102	24
9/13	100	101	101	24	100	100	101	23	102	102	102	23	101	101	102	24
9/14	100	100	100	24	99	99	99	23	101	101	102	23	100	101	101	24
9/15	100	100	101	24	100	100	100	23	101	101	102	23	101	101	102	24
9/16	100	101	101	24	99	99	100	23	102	102	103	23	100	101	101	24
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

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)
09/10/2004	---	---	---	---	---	0	1	1	---	0	0	0
09/11/2004	---	---	---	---	---	2	2	0	---	0	0	0
09/12/2004	---	---	---	---	---	0	1	5	---	0	0	0
09/13/2004 *	---	---	---	---	---	0	1	1	---	0	0	0
09/14/2004 *	---	---	---	---	---	0	0	0	---	0	0	0
09/15/2004 *	---	---	---	---	---	0	1	0	---	0	0	0
09/16/2004 *	---	---	---	---	---	0	0	0	---	4	---	0
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	---	---	---	---	---	---	---	---	---	---	---	---

Total:	0	0	0	0	0	5	7	12	0	4	0	5
# Days:	0	0	0	0	0	14	14	14	0	10	6	14
Average:	0	0	0	0	0	0	1	1	0	0	0	0
YTD	835	29,063	66,832	9,904	4,053	5,175,968	2,658,618	913,847	12,574	1,069,761	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)
09/10/2004	---	---	---	---	---	45	907	75	---	56	30	95
09/11/2004	---	---	---	---	---	67	764	100	---	116	45	107
09/12/2004	---	---	---	---	---	83	384	55	---	60	40	34
09/13/2004 *	---	---	---	---	---	102	317	89	---	28	30	20
09/14/2004 *	---	---	---	---	---	92	360	77	---	16	0	60
09/15/2004 *	---	---	---	---	---	82	487	116	---	28	20	343
09/16/2004 *	---	---	---	---	---	193	482	63	---	56	---	236
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	---	---	---	---	---	---	---	---	---	---	---	---

Total:	0	0	0	0	0	6,154	4,966	833	0	432	165	1,460
# Days:	0	0	0	0	0	14	14	14	0	10	6	14
Average:	0	0	0	0	0	440	355	60	0	43	28	104
YTD	1,579	0	29	80	935	1,023,012	487,287	191,492	25,925	8,414,554	1,720,827	4,744,341

* 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

Date	COMBINED COHO											
	ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
09/10/2004	---	---	---	---	---	1	1	0	---	0	0	0
09/11/2004	---	---	---	---	---	1	4	0	---	0	0	0
09/12/2004	---	---	---	---	---	0	1	0	---	0	0	0
09/13/2004 *	---	---	---	---	---	0	0	0	---	0	0	0
09/14/2004 *	---	---	---	---	---	0	0	0	---	0	0	0
09/15/2004 *	---	---	---	---	---	0	0	0	---	0	0	0
09/16/2004 *	---	---	---	---	---	0	4	0	---	0	---	0
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	---	---	---	---	---	---	---	---	---	---	---	---

Total:	0	0	0	0	0	3	14	0	0	0	0	0
# Days:	0	0	0	0	0	14	14	14	0	10	6	14
Average:	0	0	0	0	0	0	1	0	0	0	0	0
YTD	0	0	0	0	45	259,499	127,974	15,933	28,668	90,681	175,311	938,028

Date	COMBINED STEELHEAD											
	ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
09/10/2004	---	---	---	---	---	2	2	0	---	0	0	0
09/11/2004	---	---	---	---	---	5	1	1	---	0	0	0
09/12/2004	---	---	---	---	---	6	2	0	---	0	0	0
09/13/2004 *	---	---	---	---	---	6	0	0	---	0	5	0
09/14/2004 *	---	---	---	---	---	11	6	0	---	0	0	0
09/15/2004 *	---	---	---	---	---	16	9	0	---	0	0	0
09/16/2004 *	---	---	---	---	---	13	6	2	---	0	---	0
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	---	---	---	---	---	---	---	---	---	---	---	---

Total:	0	0	0	0	0	250	57	7	0	0	5	5
# Days:	0	0	0	0	0	14	14	14	0	10	6	14
Average:	0	0	0	0	0	18	4	1	0	0	1	0
YTD	195	2,106	36,387	1,857	8,418	5,828,540	1,917,731	343,352	10,735	124,610	257,272	155,710

* 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)
09/10/2004	---	---	---	---	---	0	0	0	---	12	5	0
09/11/2004	---	---	---	---	---	3	1	0	---	0	0	0
09/12/2004	---	---	---	---	---	0	0	0	---	4	0	0
09/13/2004 *	---	---	---	---	---	4	1	0	---	0	5	0
09/14/2004 *	---	---	---	---	---	7	3	0	---	0	5	0
09/15/2004 *	---	---	---	---	---	6	0	0	---	4	5	0
09/16/2004 *	---	---	---	---	---	2	0	0	---	4	---	10
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	---	---	---	---	---	---	---	---	---	---	---	---

Total:	0	0	0	0	0	141	11	0	0	24	20	10
# Days:	0	0	0	0	0	14	14	14	0	10	6	14
Average:	0	0	0	0	0	10	1	0	0	2	3	1
YTD	6	9	0	0	25	7,750	4,778	960	7,114	309,002	235,929	189,689

* 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:

9/24/04 8:39 AM

		09/11/04	TO	09/24/04			
		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	4,849	4	3	114	219	5,189
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	218	218
	Sum of Numbertrucked	4,686	4	3	100	0	4,793
	Sum of TotalProjectMortalities	163	0	0	14	1	178
LGS	Sum of NumberCollected	4,966	7	14	11	57	5,055
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	6	0	0	0	0	6
	Sum of Numbertrucked	4,924	6	14	10	57	5,011
	Sum of TotalProjectMortalities	36	1	0	1	0	38
LMN	Sum of NumberCollected	833	12			7	852
	Sum of NumberBarged	0	0			0	0
	Sum of NumberBypassed	0	0			0	0
	Sum of Numbertrucked	825	12			7	844
	Sum of TotalProjectMortalities	8	0			0	8
MCN	Sum of NumberCollected	432	4		24		460
	Sum of NumberBarged	0	0		0		0
	Sum of NumberBypassed	0	0		0		0
	Sum of Numbertrucked	418	4		24		446
	Sum of TotalProjectMortalities	14	0		0		14
Total Sum of NumberCollected		11,080	27	17	149	283	11,556
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		6	0	0	0	218	224
Total Sum of Numbertrucked		10,853	26	17	134	64	11,094
Total Sum of TotalProjectMortalities		221	1	0	15	1	238

YTD Transportation Summary

Source: Fish Passage Center

Updated:

9/24/04 8:39 AM

TO: 09/24/04

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	991,478	4,846,444	252,880	7,412	5,677,342	11,775,556
	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	289,871	501,278
	Sum of NumberTrucked	17,414	44,010	258	306	15,976	77,964
	Sum of TotalProjectMortalities	5,362	23,191	308	76	3,245	32,182
LGS	Sum of NumberCollected	487,020	2,573,092	124,717	4,726	1,871,635	5,061,190
	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	14,326	2,227	225	51	1,693	18,522
	Sum of TotalProjectMortalities	1,092	1,524	62	8	2,098	4,784
LMN	Sum of NumberCollected	182,997	843,380	14,898	906	288,196	1,330,377
	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	3,824	1,389	9	1	693	5,916
	Sum of TotalProjectMortalities	1,066	1,491	4	1	696	3,258
MCN	Sum of NumberCollected	7,676,855	658,057	56,924	190,650	76,314	8,658,800
	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	2,921	173	1,067	318	73,632
Total Sum of NumberCollected		9,338,350	8,920,973	449,419	203,694	7,913,487	26,825,923
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	366,624	2,513,733
Total Sum of NumberTrucked		43,671	47,638	492	413	18,362	110,576
Total Sum of TotalProjectMortalities		76,673	29,127	547	1,152	6,357	113,856

Cumulative Adult Passage at Mainstem Dams Through: 09/23

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	509,322	30,426	556,125	35,782	261,470	28,698
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	237,723	24,593	261,464	24,295	128,102	17,972
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	161,568	21,819	170,447	19,786	88,938	13,470
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	117,226	16,371	130,135	16,378	66,403	10,223
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	16,257	8,015	14,788	4,532	5,296	1,874
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	15,197	3,953	8,485	3,091	4,189	1,456
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	13,051	3,839	8,458	2,174	3,117	892
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	9,869	4,379	6,539	2,426	2,555	913
PRD	13,521	1,020	18,136	656	14,413	382	67,060	5,613	82,904	3,933	33,981	1,384	27,175	2,444	31,627	3,185	17,218	1,748
RIS	10,917	958	16,881	753	11,256	609	62,311	4,834	81,543	6,858	31,088	4,058	9,645	1,331	10,860	2,304	5,518	1,159
RRH	4,365	734	4,216	450	4,023	171	41,532	8,093	63,167	6,195	22,791	2,151	5,688	930	6,671	1,581	3,713	1,026
WEL	4,610	178	4,504	198	2,563	172	31,380	1,368	44,503	1,888	16,929	1,288	3,890	378	3,613	552	1,598	355

DAM	Coho						Sockeye			Steelhead			
	2004		2003		10-Yr Avg.		2004	2003	10-Yr Avg.	10-Yr			Wild 2004
	Adult	Jack	Adult	Jack	Adult	Jack				2004	2003	Avg.	
BON	73,296	3,475	85,119	3,325	48,121	2,893	123,320	39,291	42,656	283,301	338,720	272,462	91,102
TDA	25,488	1,523	23,443	1,579	9,228	1,072	107,466	34,176	34,664	194,168	213,204	170,950	61,775
JDA	19,844	1,659	16,203	2,514	5,781	814	113,497	35,416	37,905	175,358	201,297	139,371	54,025
MCN	8,923	551	6,935	906	2,189	282	89,707	32,037	33,490	133,845	145,269	97,349	39,713
IHR	1,129	9	219	17	53	4	91	37	18	101,068	97,768	63,238	25,187
LMN	832	54	41	1	10	2	77	14	24	80,669	71,010	54,645	19,942
LGS	593	33	52	10	7	0	80	23	26	73,144	60,178	41,113	17,350
LWG	471	40	29	4	8	0	113	11	22	70,379	63,246	38,542	17,836
PRD	1,974	570	1,193	219	205	43	124,943	36,551	40,828	16,252	14,977	9,490	0
RIS	137	0	559	0	106	0	106,615	34,776	37,910	15,908	12,626	7,899	10,978
RRH	29	0	18	0	11	0	81,249	30,349	24,454	11,121	9,032	5,608	6,929
WEL	0	0	1	0	0	0	77,484	28,974	24,029	6,466	5,761	3,830	3,915

RIS, RRH and Wel are through 9/22.

*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: 09/24/04

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

Steelhead
62,761

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

