



Fish Passage Center

Weekly Report #04 - 28

September 17, 2004

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Summary of Events:

Water Supply: Columbia Basin precipitation throughout the first thirteen days of September has generally been above average in most basins. Over the entire water year, precipitation remains near 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 1-13		October 1, 2003 to September 13, 2004	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.41	202	25.35	103
Snake River Above Ice Harbor	0.58	125	17.33	100
Columbia Above The Dalles	0.97	172	23.40	103
Kootenai	1.53	218	25.83	102
Clark Fork	0.99	190	17.81	103
Flathead	1.07	151	22.50	99
Pend Oreille/Spokane	0.99	152	31.08	102
Central Washington	0.17	87	8.68	97
Snake River Plain	0.16	43	9.65	87
Salmon/Boise/Payette	0.74	168	19.28	98
Clearwater	0.28	175	33.11	110
SW Washington Cascades/Cowlitz	2.29	170	67.21	96
Willamette Valley	1.23	133	56.47	96

Grand Coulee has refilled 2.7 feet over the last week and is at an elevation of 1282.9 feet. Outflows at Grand Coulee have ranged between 44.8 Kcfs and 75.5 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 12.5 Kcfs without aggressively drafting. Libby is currently at an elevation of 2444.8 feet and has held relatively steady over the last week. Libby will continue the above release schedule through the rest of September.

Outflows at Hungry Horse have ranged between 1.8 and 2.4 Kcfs over the last week. Hungry Horse Reservoir is currently at an elevation of 3540.3 feet and holding steady.

The Dworshak Reservoir has reduced outflows to approximately 4.8 Kcfs and will hold this discharge until reaching an elevation of approximately 1520.5 feet, then begin ramping down to the project minimum flow of 1.6 Kcfs. Dworshak is currently at an elevation of 1521.1 feet.

The Brownlee Reservoir is currently at an elevation of 2048.9 feet and has drafted approximately 7.5 feet over the last week. Outflows at Brownlee have been generally increasing over the last week and are currently at 22.8 Kcfs. Albeni falls will begin drafting shortly in effort to reach its winter level of 2051 feet by mid-November.

There will be a powerhouse outage at Lower Granite Dam next week between the hours of 0700 and 1700. During the outage, operators will run one unit at speed no load (5 Kcfs) and spill approximately 6 Kcfs through the RSW and

store the remaining water. Operators will store water above MOP +2 at Lower Granite if needed to avoid additional spill. The stored water will be released after 1700 on a daily basis.

Smolt Monitoring: Subyearling chinook indices went up at Little Goose and Lower Monumental dams but decreased at all other Smolt Monitoring sites in the Snake River and Lower Columbia over the past week.

At Lower Granite Dam, subyearling chinook indices decreased this week with this week's average index at 80 per day compared to 140 per day last week. Little Goose and Lower Monumental saw increases in indices, with the index averaging 530 per day at Little Goose, and 85 per day at Lower Monumental compared to 250 and 23 last week, respectively.

In the Lower Columbia, at McNary Dam, subyearling chinook indices averaged 50 per day this week compared to 115 per day last week. Smolt monitoring ended today at McNary due to very low numbers of salmonids in the collection. The COE requested an end to transport and moved to full flow bypass on 17 September. At John Day Dam, where smolt monitoring ended September 15, the subyearling average index was 28 per day this week compared to 34 last week, while at Bonneville Dam the average index was 130 per day compared to 150 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 12,090 and 34,164 (high daily count for the year) per day for the week ending September 16th. The total count for the fall season is 444,126, and is 91.6% and 193% 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 32-45% of the daily fall chinook count through this week with approximately 151,300 past the project as of September 15. 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 4,600 to 9,800 through the week with the high daily count at McNary near 8,400 for the week. The fall run of adult fall chinook into the Snake River has been fairly strong again this season with 12,700 adult fall chinook counted at Ice Harbor Dam through September 16th. This count total is 1.4 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 22,243, slightly below the 2003 count, but still well above the 10-year average of 14,200 through September 16. Daily counts ranged from 600 to 2,100 for the week.

Steelhead counts at Bonneville Dam ranged from 2,400 to a high of near 5,200 for the week ending September 16. The steelhead run totals 262,310 through September 16, and was about 81% of the 2003 count and 103% of the 10-year average. Steelhead counts passing upstream of The Dalles Dam ranged from 3,100 to a high of 5,300 through the week with the season total now at 155,286. Passage of steelhead at McNary Dam had daily counts ranging between 4,100 and 7,400 for the week with 106,000 total. The 2004 total count still exceeds the 2003 count total at McNary even though it is only 81% as high as the Bonneville count. The daily counts at Ice Harbor Dam ranged from 2,600 to 6,600 per day through the count week with the cumulative count through September 16 of 75,843. In the Mid-Columbia River, daily steelhead counts at Priest Rapids Dam ranged between 400 and 600 with the total steelhead count at 14,275 for the season. This total now exceeds both the 2003 and the 10-year average.

At Bonneville Dam, daily counts of coho surged on September 14 and 15 to greater than 6,000 after daily counts were only 1,200 early in the week. The cumulative total for the season was 61,176, about 87% and 167% of the respective 2003 and 10-year average. At present, 14,700 of these coho have passed The Dalles Dam and almost 8,000 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
09/03/04	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
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

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
09/03/04	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	9.2	18.6	29.5	0.0	27.2	0.0	26.6	0.0	24.4	0.0
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	18.1	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	21.8	35.2	0.0	37.0	0.0	37.4	0.0	39.9	0.0
09/16/04	4.8	0.0	---	---	39.0	0.0	37.6	0.0	36.4	0.0	30.4	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		
09/03/04	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
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

HATCHERY RELEASES NEXT TWO WEEKS

Hatchery Release Summary

From: 9/17/2004 to 9/30/2004

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 Total					73,000				
Grand Total					73,000				

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>			<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	High	
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
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

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>		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
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
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

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>		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
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
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	---	---	---	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	Priest R. Dnst			Pasco			Dworshak			Clrwtr-Peck			Anatone			#				
	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High		# hr			
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
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

Total Dissolved Gas Saturation Data at Snake River Sites

Date	Clrwtr-Lewiston			Lower Granite			L. Granite Tlwr			Little Goose			L. Goose Tlwr			#				
	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High		# hr			
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
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

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

Date	Lower Mon.			L. Mon. Tlwr			Ice Harbor			Ice Harbor Tlwr			McNary-Oregon			#				
	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High		# hr			
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
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

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>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
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
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

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>#</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>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
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
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

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)
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	---	---	---	---	---	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	---	---	4	---	0

Total:	0	0	0	0	0	8	10	7	0	4	0	0
# Days:	0	0	0	0	0	13	14	13	0	14	13	14
Average:	0	0	0	0	0	1	1	1	0	0	0	0
YTD	835	29,063	66,832	9,904	4,053	5,175,965	2,658,618	913,842	12,574	1,069,761	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)
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	---	---	---	---	---	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 *	---	---	---	---	---	---	482	---	---	56	---	236

Total:	0	0	0	0	0	1,444	5,466	670	0	1,163	400	1,954
# Days:	0	0	0	0	0	13	14	13	0	14	13	14
Average:	0	0	0	0	0	111	390	52	0	83	31	140
YTD	1,579	0	29	80	935	1,017,329	486,023	191,171	25,925	8,414,482	1,720,827	4,743,776

* 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)
09/03/2004	*	---	---	---	---	---	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		---	---	---	---	---	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	*	---	---	---	---	---	---	4	---	---	0	---	0

Total:		0	0	0	0	0	10	26	0	0	0	0	9
# Days:		0	0	0	0	0	13	14	13	0	14	13	14
Average:		0	0	0	0	0	1	2	0	0	0	0	1
YTD		0	0	0	0	45	259,498	127,970	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)
09/03/2004	*	---	---	---	---	---	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		---	---	---	---	---	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	*	---	---	---	---	---	---	6	---	---	0	---	0

Total:		0	0	0	0	0	81	35	2	0	0	5	5
# Days:		0	0	0	0	0	13	14	13	0	14	13	14
Average:		0	0	0	0	0	6	3	0	0	0	0	0
YTD		195	2,106	36,387	1,857	8,418	5,828,336	1,917,699	343,346	10,735	124,610	257,272	155,705

* See sampling comments

Two-Week Summary of Passage Indices

Date	COMBINED SOCKEYE											BO2
	ENT (Coll)	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	
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	---	---	---	---	---	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 *	---	---	---	---	---	---	0	---	---	4	---	10

Total:	0	0	0	0	0	29	13	0	0	60	30	10
# Days:	0	0	0	0	0	13	14	13	0	14	13	14
Average:	0	0	0	0	0	2	1	0	0	4	2	1
YTD	6	9	0	0	25	7,629	4,772	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:

9/17/04 8:05 AM

		09/04/04	TO	09/17/04			
		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	1,440	8	10	29	81	1,568
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	74	74
	Sum of Numbertrucked	1,741	9	13	28	6	1,797
	Sum of TotalProjectMortalities	33	0	0	4	1	38
LGS	Sum of NumberCollected	5,466	10	26	13	35	5,550
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	6	0	0	0	0	6
	Sum of Numbertrucked	5,101	9	23	13	33	5,179
	Sum of TotalProjectMortalities	44	1	0	2	0	47
LMN	Sum of NumberCollected	637	7			2	646
	Sum of NumberBarged	0	0			0	0
	Sum of NumberBypassed	0	0			0	0
	Sum of Numbertrucked	634	7			2	643
	Sum of TotalProjectMortalities	8	0			0	8
MCN	Sum of NumberCollected	1,156			60		1,216
	Sum of NumberBarged	0			0		0
	Sum of NumberBypassed	0			0		0
	Sum of Numbertrucked	1,234			51		1,285
	Sum of TotalProjectMortalities	30			5		35
Total Sum of NumberCollected		8,699	25	36	102	118	8,980
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		6	0	0	0	74	80
Total Sum of Numbertrucked		8,710	25	36	92	41	8,904
Total Sum of TotalProjectMortalities		115	1	0	11	1	128

YTD Transportation Summary

Source: Fish Passage Center

Updated:

9/17/04 8:05 AM

TO: 09/17/04

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	987,099	4,846,442	252,879	7,318	5,677,169	11,770,907
	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	289,699	501,106
	Sum of NumberTrucked	13,181	44,008	257	226	15,976	73,648
	Sum of TotalProjectMortalities	5,216	23,191	308	62	3,244	32,021
LGS	Sum of NumberCollected	485,756	2,573,092	124,713	4,720	1,871,603	5,059,884
	Sum of NumberBarged	471,597	2,546,523	124,333	4,667	1,866,218	5,013,338
	Sum of NumberBypassed	6	0	0	0	0	6
	Sum of NumberTrucked	12,596	2,226	217	45	1,656	16,740
	Sum of TotalProjectMortalities	1,076	1,521	62	8	2,097	4,764
LMN	Sum of NumberCollected	182,676	843,375	14,898	906	288,190	1,330,045
	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	3,509	1,384	9	1	687	5,590
	Sum of TotalProjectMortalities	1,060	1,491	4	1	696	3,252
MCN	Sum of NumberCollected	7,676,783	658,057	56,924	190,650	76,314	8,658,728
	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	7,982	8	0	51	0	8,041
	Sum of TotalProjectMortalities	69,147	2,921	173	1,067	318	73,626
Total Sum of NumberCollected		9,332,314	8,920,966	449,414	203,594	7,913,276	26,819,564
Total Sum of NumberBarged		8,115,170	8,016,674	383,186	22,670	7,520,515	24,058,215
Total Sum of NumberBypassed		1,097,837	804,716	65,097	179,459	366,452	2,513,561
Total Sum of NumberTrucked		37,268	47,626	483	323	18,319	104,019
Total Sum of TotalProjectMortalities		76,499	29,124	547	1,138	6,355	113,663

Cumulative Adult Passage at Mainstem Dams Through: 09/16

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	444,126	25,214	484,865	26,278	230,620	21,408
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	186,467	18,298	185,885	13,838	104,451	12,037
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	122,176	15,774	104,302	10,596	67,815	8,337
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	86,202	11,964	83,312	9,311	47,115	5,914
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	12,742	5,936	9,035	2,166	3,613	880
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	11,165	2,410	5,034	1,450	2,692	688
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	8,442	2,309	4,661	1,012	1,899	383
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	6,294	2,627	3,419	1,123	1,433	371
PRD	13,521	1,020	18,136	656	14,413	382	67,060	5,613	82,904	3,933	33,981	1,384	22,243	2,012	23,354	2,408	14,187	1,209
RIS	10,917	958	16,881	753	11,256	609	62,311	4,834	81,543	6,858	31,088	4,058	7,295	982	7,927	1,844	4,488	939
RRH	4,365	675	4,216	450	4,023	171	41,532	8,093	63,167	6,195	22,791	2,151	4,272	673	5,376	1,314	3,160	853
WEL	4,615	178	4,504	198	2,563	172	31,380	1,368	44,503	1,888	16,929	1,288	3,206	253	3,201	454	1,363	290

DAM	Coho						Sockeye			Steelhead			
	2004		2003		10-Yr Avg.		2004	2003	10-Yr Avg.	2004	2003	10-Yr Avg.	Wild 2004
	Adult	Jack	Adult	Jack	Adult	Jack							
BON	61,176	2,840	69,977	2,442	36,525	2,086	123,318	39,291	42,656	262,310	322,302	255,740	86,475
TDA	14,718	1,041	10,101	877	4,830	565	107,462	34,176	34,664	155,286	155,005	137,836	52,086
JDA	7,950	941	6,277	737	2,495	317	113,495	35,415	37,905	134,799	137,933	103,519	43,952
MCN	4,325	285	2,569	476	779	123	89,707	32,037	33,490	105,908	96,653	73,220	32,896
IHR	420	7	8	0	12	0	91	37	18	75,843	57,179	44,368	18,945
LMN	225	11	3	0	1	2	77	14	24	56,798	42,170	36,820	14,266
LGS	149	19	3	0	0	0	80	22	26	48,351	33,810	26,275	11,879
LWG	80	9	3	1	0	0	113	11	22	42,931	40,076	25,655	11,589
PRD	1,093	410	599	179	87	26	124,943	36,551	40,828	14,275	12,997	8,267	n/a
RIS	16	0	60	0	18	0	106,654	34,775	37,885	11,691	9,407	6,385	8,799
RRH	3	0	5	0	6	0	81,320	30,348	24,454	8,126	6,844	4,497	5,577
WEL	0	0	0	0	0	0	77,475	28,974	24,027	4,570	4,521	3,132	2,927

JDA, TDA, WEL are through 9/15; RIS and RRH are through 9/7.

*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: 09/17/04

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

Steelhead
35,313

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

