



*Fish Passage Center*

# Weekly Report #04 - 31

October 15, 2004

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**Summary of Events:**

**Water Supply:** Water year 2005 began on October 1st, 2004. Columbia Basin precipitation throughout the first twelve days of October has generally been below average in most basins.

**Table 1. Summary of October precipitation and cumulative Water Year 2005 precipitation with respect to average (1971-2000), at select locations within the Columbia and Snake River Basins.**

Location	Water Year 2005 October 1-12		Water Year 2005 October 1, 2004 to October 12, 2004	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.39	54	0.39	54
Snake River Above Ice Harbor	0.09	20	0.09	20
Columbia Above The Dalles	0.29	45	0.29	45
Kootenai	0.37	52	0.37	52
Clark Fork	0.10	23	0.10	23
Flathead	0.24	36	0.24	36
Pend Oreille/Spokane	0.37	45	0.37	45
Central Washington	0.21	90	0.21	90
Snake River Plain	0.02	6	0.02	6
Salmon/Boise/Payette	0.04	8	0.04	8
Clearwater	0.41	49	0.41	49
SW Washington Cascades/Cowlitz	2.06	96	2.06	96
Willamette Valley	1.16	70	1.16	70

Grand Coulee elevation has remained steady over the last week and is currently at an elevation of 1286.6 feet (10-14-04). Outflows at Grand Coulee have ranged between 43.8 Kcfs and 88.5 Kcfs over the last week.

Libby has reduced outflows from 9.4 Kcfs to 4.7 Kcfs over the past week. Libby is currently at an elevation of 2446.1 feet (10-14-04).

Outflows at Hungry Horse have ranged between 1.1 Kcfs and 1.3 Kcfs. Hungry Horse Reservoir is currently at an elevation of 3539.7 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 1520.6 feet and has held steady over the week.

The Brownlee Reservoir is currently at an elevation of 2052.8 feet and has refilled approximately 1.7 feet over the last week. Outflows at Brownlee have ranged between 7.7 and 10.2 Kcfs over the last week.

Albeni Falls continues to draft slightly in an effort to reach its winter level of 2055 feet by mid-November and is currently at 2058.2 feet. Outflows at Albeni Falls have been reduced from 26 Kcfs to 20 Kcfs over the last week.

**Smolt Monitoring:** Subyearling chinook indices are low at the three active monitoring sites Lower Granite, Little Goose, and Bonneville dams.

At Lower Granite Dam, subyearling chinook indices increased this week with this week's average index at 120 per day compared to 90 per day last week. All subyearling chinook PIT-tag detections in October at Lower Granite were from the Clearwater River. At Little Goose the average daily index this week was 130 compared to 150 per day last week.

In the Lower Columbia, at Bonneville Dam the average index was 60 subyearling chinook per day compared to 40 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 (See Hatchery Release Summary).

### 2004 Hatchery Zone Report

Race/Species	Friday 15-October-2004			
	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 762 and 1,773 per day for the week ending October 14th. The total count for the fall season is 573,114, and is 95.4% and 203% of the respective 2003 and 10-year average to date. The passage of Tule fall chinook is completed for the season with Bright fall chinook still moving through the project and upstream to their spawning areas throughout the Columbia and Snake rivers. The largest portion of this Run spawns in the Hanford Reach of the Columbia River. Fall chinook counts at McNary Dam ranged from 600 to 1,100 through the week with numbers decreasing through time. The count of adult fall chinook through October 14 was 161,995, approximately 93.6% and 178.9% of the respective 2003 and 10-year average. The bright fall chinook includes the "listed" wild fall chinook destined for the Snake River. This year's fall run of adult fall chinook into the Snake River remained well above the 10-year average with 20,448 counted at Ice Harbor Dam through October 14th. The 2004 count total remained near equal the last season's count. In the Mid/Upper-Columbia, passage of adult fall chinook at Priest Rapids Dam was 37,610, about 89% of the 2003 count and 1.8 times greater than the 10-year average through October 14. Daily counts at Priest Rapids ranged from 100 to 400 for the week.

Steelhead counts at Bonneville Dam were reducing through the week with the daily count at 344 by the end of the count week. This year's steelhead run exceeded 300,000 again this season and the total count was about 87% of the 2003 count and 105% of the 10-year average. Passage of steelhead at McNary Dam had daily counts ranging between 1,300 and 1,000 for the past week with 186,132 total through October 14. The 2004 total count at McNary Dam was 88% of the 2003 count and 121% of the 10-year average. Of the steelhead past McNary, about 82% were counted at Ice Harbor Dam (note that two daily counts are missing from IHR). The cumulative count through October 12 was 152,441. In the Mid-Columbia River, daily steelhead counts at Priest Rapids Dam have been near 50/day through the week with the total steelhead count at 17,443 for

the season. This total exceeds the 2003 and the 10-year average at Priest Rapids Dam.

At Bonneville Dam, daily counts of coho were generally above 1,000 for the week with the cumulative total for the season at 100,851. This total was about 90% and 161% of the respective 2003 and 10-year average. At present, 31,800 of these coho have passed The Dalles Dam and 27,000 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. The McNary count was 15,611 by October 14 with about 2,600 counted at Ice Harbor in the Snake River, and 4,200 counted past Priest Rapids Dam in the Mid-Columbia River.

**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
10/01/04	75.8	0.0	87.9	0.0	89.0	0.0	87.7	0.0	88.4	0.0	96.1	1.9	90.6	0.8
10/02/04	77.1	0.0	69.3	0.0	71.7	0.0	72.8	0.0	75.2	0.0	84.0	1.8	81.7	1.1
10/03/04	53.8	0.0	55.5	0.0	56.4	0.0	56.9	0.0	57.9	0.0	62.5	1.8	60.4	1.1
10/04/04	79.7	0.0	81.2	0.0	82.2	0.0	82.0	0.0	82.9	0.0	83.9	1.8	83.9	0.8
10/05/04	87.6	0.0	85.6	0.0	87.1	0.0	86.2	0.0	87.0	0.0	84.2	1.9	79.7	0.8
10/06/04	95.2	0.0	96.6	0.0	97.3	0.0	96.9	0.0	98.2	0.0	106.6	2.0	99.1	1.0
10/07/04	69.9	0.0	77.8	0.0	91.4	0.0	92.3	0.0	91.3	0.0	110.5	1.7	115.1	0.8
10/08/04	70.2	0.0	75.1	0.0	75.7	0.0	77.9	0.0	80.2	0.0	94.6	1.2	91.4	0.7
10/09/04	62.7	0.0	58.0	0.0	58.5	0.0	60.4	0.0	62.9	0.0	74.2	0.9	72.1	0.7
10/10/04	43.8	0.0	45.7	0.0	50.3	0.0	50.3	0.0	50.4	0.0	63.7	0.8	59.2	0.8
10/11/04	88.5	0.0	83.8	0.0	70.5	15.0	65.3	0.0	63.9	0.0	69.5	0.6	72.6	0.6
10/12/04	84.1	0.0	84.3	0.0	89.3	25.5	88.6	0.0	92.0	0.0	87.7	0.7	79.7	0.7
10/13/04	78.6	0.0	82.4	0.0	87.0	0.1	87.7	0.0	88.3	0.0	81.0	0.9	75.0	0.7
10/14/04	86.8	0.0	84.9	0.0	88.7	0.0	92.3	0.0	95.3	0.0	102.3	1.3	99.8	1.2

**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
10/01/04	1.7	0.0	10.0	8.9	19.1	0.0	19.0	0.0	20.0	0.0	19.4	0.0
10/02/04	1.7	0.0	9.8	9.1	19.7	0.0	19.3	0.0	18.3	0.0	17.9	0.0
10/03/04	1.7	0.0	9.0	8.8	18.9	0.0	17.3	0.0	17.4	0.0	16.3	0.0
10/04/04	1.7	0.0	9.8	9.4	17.6	0.0	17.5	0.0	17.2	0.0	16.3	0.0
10/05/04	1.7	0.0	11.0	8.9	19.2	0.0	19.3	0.0	20.9	0.0	19.6	0.0
10/06/04	1.7	0.0	9.5	8.8	18.4	0.0	19.7	0.0	20.2	0.0	23.2	0.0
10/07/04	1.7	0.0	10.7	15.4	18.4	0.0	15.5	0.0	15.8	0.0	14.7	0.0
10/08/04	1.7	0.0	9.7	8.9	20.6	0.0	20.1	0.0	20.1	0.0	18.5	0.0
10/09/04	1.7	0.0	9.9	8.8	13.5	0.0	13.6	0.0	13.6	0.0	13.6	0.0
10/10/04	1.7	0.0	10.2	8.8	15.2	0.0	14.7	0.0	14.9	0.0	16.8	0.0
10/11/04	1.7	0.0	10.6	8.7	19.0	0.0	18.3	0.0	19.3	0.0	18.1	0.0
10/12/04	1.7	0.0	9.3	8.7	13.5	0.0	12.9	0.0	12.7	0.0	12.6	0.0
10/13/04	1.7	0.0	11.0	8.7	17.9	0.0	19.0	0.0	21.3	0.0	22.3	0.0
10/14/04	1.7	0.0	---	---	16.6	0.0	15.2	0.0	14.4	0.0	13.4	0.0

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

Date	McNary		John Day		The Dalles		Bonneville			
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	PH1	PH2
10/01/04	111.6	0.0	89.3	0.8	91.1	0.0	94.9	2.2	3.6	82.3
10/02/04	92.8	0.0	80.8	0.8	84.1	0.0	92.6	2.1	3.0	80.8
10/03/04	86.5	0.0	93.9	0.8	99.2	0.0	96.0	2.1	0.0	87.2
10/04/04	117.0	0.0	111.7	0.8	116.9	0.0	119.2	2.0	13.2	97.2
10/05/04	107.6	0.0	107.0	0.8	109.0	0.0	110.1	2.1	14.2	86.4
10/06/04	102.2	0.0	100.3	0.8	103.7	0.0	107.3	2.1	12.4	86.0
10/07/04	119.4	0.0	117.5	0.7	119.9	0.0	124.8	2.2	20.8	95.1
10/08/04	142.6	0.0	147.2	0.7	150.5	0.0	146.5	2.2	40.3	97.3
10/09/04	101.6	0.0	99.8	0.8	103.6	0.0	115.6	2.4	16.1	90.4
10/10/04	69.8	0.0	72.1	0.8	76.5	0.0	95.0	2.2	2.0	84.0
10/11/04	92.9	0.0	95.7	0.8	97.7	0.0	91.9	2.2	0.0	83.0
10/12/04	104.3	0.0	93.0	0.8	94.4	0.0	93.8	2.4	2.3	82.4
10/13/04	92.2	0.0	94.0	0.8	100.7	0.0	101.7	2.2	9.3	83.5
10/14/04	92.6	0.0	86.0	0.8	87.4	0.0	90.4	2.2	0.8	81.6

### HATCHERY RELEASES LAST TWO WEEKS

Hatchery Release Summary

From: 10/1/2004 to 10/14/04

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 MF
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH1	SP	2005	75,000	10-01-04	10-31-04	Newsome Creek	S Fk Clearwater River
<b>Nez Perce Tribe Total</b>					<b>231,310</b>				
U.S. Fish and Wildlife Service	Warm Springs NIFH	CH1	SP	2005	48,430	10-13-04	11-17-04	Warm Springs Hatchery	Deschutes River
<b>U.S. Fish and Wildlife Service Total</b>					<b>48,430</b>				
<b>Grand Total</b>					<b>279,740</b>				

### HATCHERY RELEASES NEXT TWO WEEKS

Hatchery Release Summary

From: 10/15/2004 to 10/28/2004

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH1	SP	2005	75,000	10-01-04	10-31-04	Newsome Creek	S Fk Clearwater River
<b>Nez Perce Tribe Total</b>					<b>75,000</b>				
U.S. Fish and Wildlife Service	Warm Springs NIFH	CH1	SP	2005	48,430	10-13-04	11-17-04	Warm Springs Hatchery	Deschutes River
<b>U.S. Fish and Wildlife Service Total</b>					<b>48,430</b>				
<b>Grand Total</b>					<b>123,430</b>				

## 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	Hungry H. Dnst			#	Boundary			#	Grand Coulee			#	Grand C. Tlwr			#	Chief Joseph			#
	24 h	12 h			24 h	12 h			24 h	12 h			24 h	12 h			24 h	12 h		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
10/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/2	---	---	---	0	102	103	103	24	100	100	100	24	98	99	99	24	99	99	100	23
10/3	---	---	---	0	102	103	104	24	100	100	101	21	98	99	100	24	99	100	100	23
10/4	---	---	---	0	102	103	104	24	101	101	101	24	99	99	100	24	99	100	100	23
10/5	---	---	---	0	103	103	104	24	101	102	102	24	100	101	102	24	100	100	100	23
10/6	---	---	---	0	103	103	104	24	101	101	102	24	100	100	102	24	100	100	101	23
10/7	---	---	---	0	102	103	103	24	100	100	101	24	98	99	100	24	100	100	100	23
10/8	---	---	---	0	104	105	106	24	101	102	102	24	99	99	100	24	100	101	101	23
10/9	---	---	---	0	103	103	103	24	101	101	102	24	100	100	103	24	99	100	100	23
10/10	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/11	---	---	---	0	101	102	102	24	99	100	100	24	---	---	---	0	98	99	99	23
10/12	---	---	---	0	103	104	106	24	99	99	99	24	98	99	99	24	98	99	99	23
10/13	---	---	---	0	101	102	104	24	99	99	99	24	98	99	99	24	99	99	100	23
10/14	---	---	---	0	103	105	109	24	100	101	101	24	100	100	103	24	100	100	101	23

### Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	Chief J. Dnst			#	Wells			#	Wells Dwnstrm			#	Rocky Reach			#	Rocky R. Tlwr			#
	24 h	12 h			24 h	12 h			24 h	12 h			24 h	12 h			24 h	12 h		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
10/1	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/2	101	102	103	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/3	100	101	102	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/4	100	101	101	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/5	101	101	102	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/6	101	101	102	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/7	101	102	103	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/8	101	102	103	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/9	101	102	102	19	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/10	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/11	100	101	102	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/12	99	100	102	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/13	100	100	102	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/14	101	102	103	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24

### Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	Rock Island			#	Rock I. Tlwr			#	Wanapum			#	Wanapum Tlwr			#	Priest Rapids			#
	24 h	12 h			24 h	12 h			24 h	12 h			24 h	12 h			24 h	12 h		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
10/1	---	---	---	0	---	---	---	0	101	101	102	23	101	101	102	23	101	101	102	23
10/2	99	99	99	24	101	101	101	24	101	101	102	23	101	101	101	23	101	101	101	23
10/3	99	99	99	24	100	101	101	24	101	102	103	23	101	101	101	23	101	101	102	23
10/4	99	99	99	24	101	101	101	24	101	102	102	23	101	101	102	23	101	101	102	22
10/5	99	99	99	24	101	101	102	24	101	101	102	23	101	101	101	23	101	101	102	23
10/6	99	99	99	24	101	101	102	24	101	101	102	23	101	101	101	23	101	101	102	23
10/7	99	99	99	24	100	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/8	99	99	99	24	101	101	102	24	101	101	102	23	101	101	101	23	101	101	102	23
10/9	99	99	99	24	100	101	101	24	100	100	101	23	100	100	101	23	100	100	100	23
10/10	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/11	99	99	99	24	99	100	100	24	99	99	100	23	99	99	100	23	99	99	100	23
10/12	99	99	99	24	99	99	99	24	99	100	100	23	99	99	100	23	99	99	99	23
10/13	99	99	99	24	99	99	100	24	---	---	---	0	---	---	---	0	---	---	---	0
10/14	99	99	99	24	102	105	106	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		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High	
10/1	102	103	103	23	---	---	---	0	104	105	106	24	---	---	---	0	100	101	102	24
10/2	103	103	104	23	---	---	---	0	104	105	106	24	---	---	---	0	100	101	103	24
10/3	103	103	104	23	---	---	---	0	104	104	106	24	---	---	---	0	100	101	103	24
10/4	103	103	103	23	---	---	---	0	103	104	105	24	---	---	---	0	100	101	103	24
10/5	103	103	104	23	---	---	---	0	103	104	106	24	---	---	---	0	101	102	103	24
10/6	103	103	103	23	---	---	---	0	103	104	105	21	---	---	---	0	100	101	102	24
10/7	---	---	---	0	---	---	---	0	103	104	105	24	---	---	---	0	101	101	103	24
10/8	102	103	104	23	---	---	---	0	104	105	106	24	---	---	---	0	102	103	104	24
10/9	103	103	104	23	---	---	---	0	103	104	105	24	---	---	---	0	100	101	101	24
10/10	---	---	---	0	---	---	---	0	103	103	105	24	---	---	---	0	100	101	102	24
10/11	102	102	103	23	---	---	---	0	103	103	105	24	---	---	---	0	101	102	103	24
10/12	102	102	102	23	---	---	---	0	103	103	105	23	---	---	---	0	101	102	103	24
10/13	---	---	---	0	---	---	---	0	103	103	104	24	---	---	---	0	101	102	103	24
10/14	---	---	---	0	---	---	---	0	104	105	107	24	---	---	---	0	101	103	104	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		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High	
10/1	---	---	---	0	103	103	104	24	100	100	101	24	98	100	100	24	---	---	---	0
10/2	---	---	---	0	103	105	106	24	100	100	101	24	101	102	103	24	---	---	---	0
10/3	---	---	---	0	105	105	106	24	101	101	102	24	102	103	104	24	---	---	---	0
10/4	---	---	---	0	103	104	104	24	101	101	102	24	102	103	105	24	---	---	---	0
10/5	---	---	---	0	103	103	103	24	101	101	102	24	101	101	103	9	---	---	---	0
10/6	---	---	---	0	101	101	103	24	100	100	100	24	---	---	---	0	---	---	---	0
10/7	---	---	---	0	99	100	101	24	99	99	100	24	---	---	---	0	---	---	---	0
10/8	---	---	---	0	100	101	101	24	99	100	100	24	---	---	---	0	---	---	---	0
10/9	---	---	---	0	98	99	100	24	97	98	99	24	---	---	---	0	---	---	---	0
10/10	---	---	---	0	97	98	98	24	96	96	98	24	---	---	---	0	---	---	---	0
10/11	---	---	---	0	98	98	98	24	97	97	99	24	---	---	---	0	---	---	---	0
10/12	---	---	---	0	98	98	98	24	97	97	98	24	---	---	---	0	---	---	---	0
10/13	---	---	---	0	98	98	99	24	97	97	98	24	---	---	---	0	---	---	---	0
10/14	---	---	---	0	99	100	101	24	98	98	100	24	---	---	---	0	---	---	---	0

### 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		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High	
10/1	---	---	---	0	---	---	---	0	100	101	102	24	100	100	102	24	102	103	103	24
10/2	---	---	---	0	---	---	---	0	100	101	103	24	100	101	102	24	101	102	102	24
10/3	---	---	---	0	---	---	---	0	99	99	101	24	100	100	101	24	101	102	102	24
10/4	---	---	---	0	---	---	---	0	99	100	101	24	99	100	100	24	101	102	102	24
10/5	---	---	---	0	---	---	---	0	99	100	100	24	100	100	101	24	101	102	102	24
10/6	---	---	---	0	---	---	---	0	99	99	99	24	100	100	101	24	101	101	102	24
10/7	---	---	---	0	---	---	---	0	99	99	101	24	99	100	101	24	101	101	101	24
10/8	---	---	---	0	---	---	---	0	99	99	100	24	100	100	101	24	101	102	103	24
10/9	---	---	---	0	---	---	---	0	98	98	99	24	99	99	100	24	100	101	101	24
10/10	---	---	---	0	---	---	---	0	98	98	98	24	99	99	99	24	99	100	100	24
10/11	---	---	---	0	---	---	---	0	98	98	98	24	99	99	100	23	99	100	100	24
10/12	---	---	---	0	---	---	---	0	98	98	98	24	98	99	100	24	99	100	100	24
10/13	---	---	---	0	---	---	---	0	98	98	99	24	98	99	99	24	99	100	102	24
10/14	---	---	---	0	---	---	---	0	98	99	99	24	99	100	102	23	100	101	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>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	
10/1	103	103	104	24	101	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
10/2	101	102	103	24	101	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/3	101	102	103	24	100	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/4	100	101	101	24	100	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/5	101	101	101	24	100	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/6	101	101	101	24	100	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
10/7	101	101	103	24	100	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/8	101	102	102	24	101	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
10/9	100	100	101	24	100	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/10	99	99	100	24	98	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
10/11	99	99	100	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
10/12	99	100	100	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
10/13	99	100	101	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
10/14	100	101	101	24	99	100	100	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>		#	<u>24h</u>		<u>12h</u>		#	
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg
10/1	---	---	---	---	0	99	100	100	23	102	102	103	23	---	---	---	0	---	---	---	0
10/2	---	---	---	---	0	99	99	99	23	101	102	103	23	---	---	---	0	---	---	---	0
10/3	---	---	---	---	0	99	100	100	23	101	102	103	23	---	---	---	0	---	---	---	0
10/4	---	---	---	---	0	100	100	100	23	102	102	103	23	---	---	---	0	---	---	---	0
10/5	---	---	---	---	0	100	101	101	23	102	103	104	23	---	---	---	0	---	---	---	0
10/6	---	---	---	---	0	100	101	101	23	103	103	104	23	---	---	---	0	---	---	---	0
10/7	---	---	---	---	0	100	100	100	23	102	103	103	23	---	---	---	0	---	---	---	0
10/8	---	---	---	---	0	100	100	101	23	102	102	103	23	---	---	---	0	---	---	---	0
10/9	---	---	---	---	0	99	100	100	19	101	102	102	19	---	---	---	0	---	---	---	0
10/10	---	---	---	---	0	99	99	99	23	101	101	102	23	---	---	---	0	---	---	---	0
10/11	---	---	---	---	0	99	99	99	23	100	101	102	23	---	---	---	0	---	---	---	0
10/12	---	---	---	---	0	99	99	99	23	101	101	102	23	---	---	---	0	---	---	---	0
10/13	---	---	---	---	0	99	99	100	23	101	102	102	23	---	---	---	0	---	---	---	0
10/14	---	---	---	---	0	100	100	100	23	102	102	104	19	---	---	---	0	---	---	---	0



## Two-Week Summary of Passage Indices

COMBINED YEARLING CHINOOK												
	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)
10/01/2004	---	---	---	---	---	0	0	0	---	---	---	0
10/02/2004	---	---	---	---	---	1	0	---	---	---	---	0
10/03/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/04/2004	---	---	---	---	---	1	0	---	---	---	---	0
10/05/2004	---	---	---	---	---	1	0	---	---	---	---	0
10/06/2004	---	---	---	---	---	2	0	---	---	---	---	0
10/07/2004	---	---	---	---	---	6	0	---	---	---	---	0
10/08/2004	---	---	---	---	---	1	0	---	---	---	---	0
10/09/2004	---	---	---	---	---	10	0	---	---	---	---	0
10/10/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/11/2004	---	---	---	---	---	4	0	---	---	---	---	0
10/12/2004	---	---	---	---	---	9	0	---	---	---	---	0
10/13/2004	---	---	---	---	---	10	0	---	---	---	---	0
10/14/2004	---	---	---	---	---	13	0	---	---	---	---	0
10/15/2004	---	---	---	---	---	38	0	---	---	---	---	---
<hr/>												
<b>Total:</b>	0	0	0	0	0	96	0	0	0	0	0	0
<b># Days:</b>	0	0	0	0	0	15	15	1	0	0	0	14
<b>Average:</b>	0	0	0	0	0	6	0	0	0	0	0	0
<b>YTD</b>	852	29,063	66,832	9,904	4,053	5,176,077	2,658,619	913,848	12,574	1,069,763	1,005,416	1,466,448

COMBINED SUBYEARLING CHINOOK												
	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)
10/01/2004	---	---	---	---	---	112	119	19	---	---	---	44
10/02/2004	---	---	---	---	---	85	65	---	---	---	---	38
10/03/2004	---	---	---	---	---	43	122	---	---	---	---	34
10/04/2004	---	---	---	---	---	72	180	---	---	---	---	20
10/05/2004	---	---	---	---	---	63	143	---	---	---	---	38
10/06/2004	---	---	---	---	---	124	169	---	---	---	---	33
10/07/2004	---	---	---	---	---	138	285	---	---	---	---	70
10/08/2004	---	---	---	---	---	154	132	---	---	---	---	86
10/09/2004	---	---	---	---	---	172	179	---	---	---	---	83
10/10/2004	---	---	---	---	---	158	66	---	---	---	---	58
10/11/2004	---	---	---	---	---	85	116	---	---	---	---	16
10/12/2004	---	---	---	---	---	75	153	---	---	---	---	25
10/13/2004	---	---	---	---	---	70	124	---	---	---	---	59
10/14/2004	---	---	---	---	---	72	125	---	---	---	---	76
10/15/2004	---	---	---	---	---	71	132	---	---	---	---	---
<hr/>												
<b>Total:</b>	0	0	0	0	0	1,494	2,110	19	0	0	0	680
<b># Days:</b>	0	0	0	0	0	15	15	1	0	0	0	14
<b>Average:</b>	0	0	0	0	0	100	141	19	0	0	0	49
<b>YTD</b>	1,562	0	29	80	935	1,032,539	491,025	191,595	25,925	8,414,554	1,720,827	4,745,778

\* 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)
10/01/2004	---	---	---	---	---	0	0	0	---	---	---	0
10/02/2004	---	---	---	---	---	1	1	---	---	---	---	0
10/03/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/04/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/05/2004	---	---	---	---	---	0	1	---	---	---	---	0
10/06/2004	---	---	---	---	---	1	0	---	---	---	---	0
10/07/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/08/2004	---	---	---	---	---	0	0	---	---	---	---	5
10/09/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/10/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/11/2004	---	---	---	---	---	0	2	---	---	---	---	0
10/12/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/13/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/14/2004	---	---	---	---	---	0	1	---	---	---	---	0
10/15/2004	---	---	---	---	---	0	0	---	---	---	---	---
-----												
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>259,509</b>	<b>127,981</b>	<b>15,933</b>	<b>28,668</b>	<b>90,681</b>	<b>175,311</b>	<b>938,033</b>

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)
10/01/2004	---	---	---	---	---	0	7	1	---	---	---	0
10/02/2004	---	---	---	---	---	4	2	---	---	---	---	0
10/03/2004	---	---	---	---	---	2	2	---	---	---	---	0
10/04/2004	---	---	---	---	---	4	5	---	---	---	---	0
10/05/2004	---	---	---	---	---	1	1	---	---	---	---	0
10/06/2004	---	---	---	---	---	1	4	---	---	---	---	0
10/07/2004	---	---	---	---	---	2	3	---	---	---	---	0
10/08/2004	---	---	---	---	---	3	5	---	---	---	---	0
10/09/2004	---	---	---	---	---	7	10	---	---	---	---	0
10/10/2004	---	---	---	---	---	2	2	---	---	---	---	0
10/11/2004	---	---	---	---	---	5	6	---	---	---	---	0
10/12/2004	---	---	---	---	---	0	4	---	---	---	---	0
10/13/2004	---	---	---	---	---	3	1	---	---	---	---	0
10/14/2004	---	---	---	---	---	1	1	---	---	---	---	0
10/15/2004	---	---	---	---	---	2	0	---	---	---	---	---
-----												
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>53</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>194</b>	<b>2,106</b>	<b>36,387</b>	<b>1,857</b>	<b>8,418</b>	<b>5,828,602</b>	<b>1,917,840</b>	<b>343,356</b>	<b>10,735</b>	<b>124,610</b>	<b>257,272</b>	<b>155,715</b>

\* 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)
10/01/2004	---	---	---	---	---	8	2	0	---	---	---	0
10/02/2004	---	---	---	---	---	2	3	---	---	---	---	0
10/03/2004	---	---	---	---	---	5	1	---	---	---	---	0
10/04/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/05/2004	---	---	---	---	---	2	4	---	---	---	---	0
10/06/2004	---	---	---	---	---	1	0	---	---	---	---	0
10/07/2004	---	---	---	---	---	23	4	---	---	---	---	0
10/08/2004	---	---	---	---	---	6	0	---	---	---	---	0
10/09/2004	---	---	---	---	---	13	4	---	---	---	---	0
10/10/2004	---	---	---	---	---	10	1	---	---	---	---	0
10/11/2004	---	---	---	---	---	1	1	---	---	---	---	0
10/12/2004	---	---	---	---	---	3	0	---	---	---	---	0
10/13/2004	---	---	---	---	---	2	1	---	---	---	---	0
10/14/2004	---	---	---	---	---	3	0	---	---	---	---	0
10/15/2004	---	---	---	---	---	1	3	---	---	---	---	---
<b>Total:</b>	0	0	0	0	0	80	24	0	0	0	0	0
<b># Days:</b>	0	0	0	0	0	15	15	1	0	0	0	14
<b>Average:</b>	0	0	0	0	0	5	2	0	0	0	0	0
<b>YTD</b>	6	9	0	0	25	7,889	4,811	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: 10/15/04 11:54 AM

10/02/04 TO 10/15/04

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	1,494	96	2	80	37	1,709
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	36	36
	Sum of Numbertrucked	1,521	95	2	81	0	1,699
	Sum of TotalProjectMortalities	23	1	0	3	1	28
<b>LGS</b>	Sum of NumberCollected	2,110		5	24	53	2,192
	Sum of NumberBarged	0		0	0	0	0
	Sum of NumberBypassed	5		1	0	0	6
	Sum of Numbertrucked	2,346		4	24	58	2,432
	Sum of TotalProjectMortalities	9		0	0	2	11
<b>LMN</b>	Sum of NumberCollected	19				1	20
	Sum of NumberBarged	0				0	0
	Sum of NumberBypassed	0				0	0
	Sum of Numbertrucked	23				2	25
	Sum of TotalProjectMortalities	0				0	0
Total Sum of NumberCollected		3,623	96	7	104	91	3,921
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		5	0	1	0	36	42
Total Sum of Numbertrucked		3,890	95	6	105	60	4,156
Total Sum of TotalProjectMortalities		32	1	0	3	3	39

**YTD Transportation Summary**

Source: Fish Passage Center

Updated:

10/15/04 11:54 AM

**TO: 10/15/04**

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	1,000,360	4,846,552	252,890	7,548	5,677,403	11,784,753
	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	289,913	501,320
	Sum of NumberTrucked	26,226	44,117	268	434	15,994	87,039
	Sum of TotalProjectMortalities	5,432	23,192	308	84	3,246	32,262
<b>LGS</b>	Sum of NumberCollected	490,758	2,573,093	124,724	4,759	1,871,744	5,065,078
	Sum of NumberBarged	471,597	2,569,347	124,430	4,667	1,867,844	5,037,885
	Sum of NumberBypassed	11	0	1	0	0	12
	Sum of NumberTrucked	18,036	2,228	231	83	1,800	22,378
	Sum of TotalProjectMortalities	1,115	1,520	62	9	2,100	4,806
<b>LMN</b>	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
<b>MCN</b>	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		9,351,073	8,921,085	449,436	203,865	7,913,661	26,839,120
Total Sum of NumberBarged		8,120,170	8,039,498	383,283	22,670	7,522,141	24,087,762
Total Sum of NumberBypassed		1,097,842	804,716	65,098	179,459	366,666	2,513,781
Total Sum of NumberTrucked		56,296	47,747	508	575	18,491	123,617
Total Sum of TotalProjectMortalities		76,766	29,126	547	1,161	6,360	113,960

**Cumulative Adult Passage at Mainstem Dams Through: 10/14**

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	573,876	37,670	600,572	46,540	282,622	37,617
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	294,868	31,956	305,712	38,214	149,391	26,627
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	209,589	30,189	210,590	32,836	109,593	21,580
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	162,981	23,281	173,059	28,364	90,554	18,885
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	20,488	10,763	20,189	9,736	7,405	4,374
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	19,294	5,706	13,028	8,113	6,220	3,953
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	17,313	5,170	13,271	5,750	4,901	2,598
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	13,926	6,772	10,972	7,474	4,261	2,944
PRD	13,521	1,020	18,136	656	14,413	382	67,060	5,613	82,904	3,933	33,981	1,384	37,775	3,648	42,277	5,446	20,812	2,900
RIS	10,917	958	16,881	753	11,256	609	62,311	4,716	81,543	6,858	31,088	4,058	13,841	1,925	16,505	3,686	7,453	1,988
RRH	4,365	734	4,216	450	4,023	171	41,532	7,899	63,167	6,195	22,791	2,151	7,262	1,326	8,992	2,352	4,775	1,419
WEL	4,615	178	4,504	198	2,563	172	31,380	1,359	44,503	1,888	16,929	1,288	4,670	497	5,047	800	2,192	544

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	100,851	4,588	112,018	6,618	62,545	4,339	123,320	39,291	42,656	306,894	352,806	291,797	96,324
TDA	31,840	1,802	33,001	2,563	13,888	1,615	107,466	34,176	34,664	231,572	258,105	212,200	71,136
JDA	27,126	2,060	26,021	3,708	10,653	1,409	113,501	35,417	37,905	218,605	264,420	200,627	65,282
MCN	15,611	946	13,644	1,506	5,186	594	89,707	32,037	33,490	186,132	212,615	153,393	52,601
IHR	2,514	31	819	54	219	16	91	37	18	152,441	170,238	107,989	37,225
LMN	2,583	120	474	67	112	15	77	14	24	134,361	156,059	104,631	32,547
LGS	2,209	113	399	47	63	2	81	23	26	127,236	143,326	89,952	29,816
LWG	2,784	92	577	61	123	10	113	11	22	131,650	154,644	91,934	31,420
PRD	4,237	755	3,887	373	882	117	124,943	36,551	40,828	18,411	17,177	11,218	
RIS	4,139	0	4,591	0	974	0	102,808	34,778	37,929	18,914	16,788	10,131	13,689
RRH	561	0	461	0	119	0	74,908	30,355	24,456	13,583	12,473	7,480	8,489
WEL	153	0	44	0	5	0	72,383	28,977	24,034	8,613	8,729	5,424	5,111

IHR, RIS, RHH are through 10/12. LGS, WELS are through 10/13.

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: 10/15/04

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

Steelhead
124,032

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