



Fish Passage Center

Weekly Report #04 - 32

October 29, 2004

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NOTE: This is the last Weekly Report for 2004. The Weekly Reports will resume again in March 2005.

Summary of Events:

Water Supply: Water year 2005 began on October 1st, 2004. Columbia Basin precipitation throughout the first twenty-five days of October has generally been above 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 1-25		Water Year 2005 October 1, 2004 to October 25, 2004	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.91	128	1.91	128
Snake River Above Ice Harbor	1.47	152	1.47	152
Columbia Above The Dalles	1.81	136	1.81	136
Kootenai	1.95	130	1.95	130
Clark Fork	1.06	111	1.06	111
Flathead	2.26	167	2.26	167
Pend Oreille/Spokane	2.63	152	2.63	152
Central Washington	0.84	171	0.84	171
Snake River Plain	1.08	156	1.08	156
Salmon/Boise/Payette	1.16	116	1.16	116
Clearwater	2.35	134	2.35	134
SW Washington Cascades/Cowlitz	5.62	126	5.62	126
Willamette Valley	4.40	127	4.40	127

SOR 2004-19 was submitted to the Action Agencies on October 26, 2004 and asked for a minimum instantaneous tailwater elevation at Bonneville Dam of 11.5 feet when chum begin to arrive. This SOR was discussed at the 10-27-04 TMT Meeting where operators agreed to provide a minimum tailwater elevation of 10.5 feet as a hard constraint and 11.0 feet as a soft constraint before chum arrive. Once chum begin to arrive there will be a hard constraint of 11.3-11.7 foot (daytime) Bonneville tailwater elevation.

Grand Coulee has remained steady over the last week and is at an elevation of 1285.5 feet (10-28-04). Outflows at Grand Coulee have ranged 62.2 Kcfs and 100.7 Kcfs over the last week.

Outflows at Libby are currently 4.7 Kcfs, however early next week outflows will be ramped up to 19 Kcfs in effort to begin drafting to an end of December elevation of 2411 feet. Libby is currently at an elevation of 2447.4 feet (10-28-04).

Outflows at Hungry Horse have ranged between 1.2 Kcfs and 1.3 Kcfs. Hungry Horse Reservoir is currently at an elevation of 3541.3 feet and slightly refilling.

The Dworshak Reservoir has continued outflows at the project minimum flow of 1.6-1.7 Kcfs. Dworshak is currently at an elevation of 1523.1 feet and has been refilling slightly over the week.

The Brownlee Reservoir is currently at an elevation of 2058.7 feet and has refilled approximately 2.8 feet over the last week. Outflows at Brownlee have ranged between 6.6 and 11.6 Kcfs over the last week.

Albeni Falls continues to draft slightly in effort to reach its winter level of 2055 feet by mid-November and is currently at 2056.8 feet. Outflows at Albeni Falls have ranged between 22 Kcfs and 24 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 200 per day compared to 80 per day last week. At Little Goose the average daily index this week was 200 compared to 140 per day last week. Based on PIT-tag data it appears that wild fish from the Clearwater predominate the run now. All 11 of the subyearling chinook PIT-tag detections, in October, at Lower Granite were from the Clearwater River. While at Little Goose, a total of 28 wild PIT tagged subyearling chinook have been detected in October (1 BCCAP release was detected), 26 of those fish were tagged in the Clearwater River, and 2 in the Snake River.

In the Lower Columbia, at Bonneville Dam the average index was 40 subyearling chinook per day compared to 30 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 have been a few summer/fall releases of spring chinook and coho. In addition, the Snake River and Mid-Columbia sockeye juvenile salmon have been released and also will be expected to migrate to the ocean in 2005 (See Hatchery Release Summary).

2004 Hatchery Zone Report

Race/Species	Friday 29-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	9,212,055	1,184,775	482,581	10,879,411
Winter Steelhead			80,318	80,318
Total	26,097,862	23,172,810	33,814,305	83,084,977

Adult Fish Passage - Note that traditional adult fish counts will end on October 31st at most COE facilities with exception of Bonneville Dam and Lower Granite Dam. The PUD projects normally count through mid-November.

At Bonneville Dam, counts of adult fall chinook decreased to 200-300 per day through this past week. The total count for the fall season past the 581,000 total, and that was 95.8% and 203.6% of the respective 2003 and 10-year average through October 28. The estimated passage of Tule fall chinook was 171,264 for the fall season with about 410,000 Bright fall chinook counted at the Bonneville project. The Bright chinook are completing their upstream run to spawning areas throughout the Columbia and Snake rivers. The largest portion of this Run spawns in the Hanford Reach of the Columbia River. Daily chinook counts at McNary Dam ranged from 780 to 73 through the week with numbers decreasing through time. The McNary count of adult fall chinook through October 28 was 168,507, approximately 94.3% and 180.7% 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 run of adult fall chinook into the Snake River was 21,044, almost identical to the 2003 total of 20,897 counted at Ice Harbor Dam through October 28th. The 2004 count total was 271% of the 10-year average at Ice Harbor Dam. In the Mid/Upper-Columbia, passage of adult fall chinook at Priest Rapids Dam was 40,642, about 89% of the

2003 count and 1.9 times greater than the 10-year average through October 28. Daily counts at Priest Rapids ranged from 100 to 300 for the week.

The overall picture of the adult fall chinook run to the Columbia River and tributaries was optimistic (tule) for this season. This year's count of both the bright component and tule component of the run was at near record level at Bonneville Dam and upstream projects and near the 2003 totals to date.

Steelhead counts at Bonneville Dam continued to reduce through the past two weeks with a low daily count of 74 by the end of the count week (October 28). This year's steelhead run was 309,840, about 87% of the 2003 count and 105% of the 10-year average. Passage of steelhead at McNary Dam had daily counts ranging between 1,200 and 400 for the past week with 198,821 total through October 28. The 2004 total count at McNary Dam was 87% of the 2003 count and 119% of the 10-year average. Of the steelhead past McNary, about 84% were counted at Ice Harbor Dam. The cumulative count of steelhead at Ice Harbor through October 28 was 166,951. In the Mid-Columbia River, daily steelhead counts at Priest Rapids Dam have been near 10-20/day through the week with the total steelhead count at 18,663 for the season. This total exceeds the 2003 and the 10-year average at Priest Rapids Dam.

At Bonneville Dam, daily counts of coho ranged between 900 and 200 for the week with the cumulative total for the season at 113,246. This total was about 91% and 161% of the respective 2003 and 10-year average. At present, 38,400 of these coho have passed The Dalles Dam and 33,000 at John Day Dam. These coho will 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 18,624 by October 28 with about 3,200 counted at Ice Harbor in the Snake River, and 4,700 counted past Priest Rapids Dam in the Mid-Columbia River. In addition, about 2,000 adult coho have been tallied at Prosser Dam located on the Yakima 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
10/15/04	65.6	0.0	71.0	0.0	68.4	0.0	63.9	0.0	63.3	0.0	78.1	0.7	82.1	1.0
10/16/04	59.9	0.0	60.8	0.0	61.6	0.0	64.6	0.0	67.2	0.0	64.7	0.8	56.4	0.8
10/17/04	59.9	0.0	58.9	0.0	60.0	0.0	59.0	0.0	60.0	0.0	59.6	0.9	65.4	0.9
10/18/04	99.6	0.0	100.1	0.0	100.1	0.0	99.0	0.0	100.3	0.0	89.0	1.2	80.8	1.0
10/19/04	100.6	0.0	99.8	0.0	102.0	0.0	103.5	0.0	105.2	0.0	97.8	1.6	93.8	0.9
10/20/04	96.7	0.0	99.2	0.0	104.1	0.0	103.7	0.0	106.2	0.0	110.0	1.2	106.5	0.5
10/21/04	83.9	0.0	84.3	0.0	87.6	0.0	89.2	0.0	91.3	0.0	112.4	0.9	110.8	0.6
10/22/04	66.9	0.0	70.0	0.0	68.5	0.0	66.4	0.0	67.0	0.0	84.1	0.7	97.2	0.2
10/23/04	62.2	0.0	60.8	0.0	60.8	0.0	60.5	0.0	61.0	0.0	82.1	0.5	81.8	0.1
10/24/04	65.9	0.0	62.0	0.0	65.5	0.0	70.1	0.0	71.9	0.0	66.7	0.4	58.8	0.3
10/25/04	100.7	0.0	104.8	0.0	105.9	0.0	104.4	0.0	107.4	0.0	100.5	0.8	89.2	0.9
10/26/04	94.2	0.0	93.9	0.0	94.0	0.0	91.8	0.0	91.9	0.0	101.8	0.7	102.4	0.8
10/27/04	80.1	0.0	79.9	0.0	82.5	0.0	83.5	0.0	84.6	0.0	93.5	0.6	95.3	0.8
10/28/04	94.4	0.0	92.9	0.0	93.9	0.0	91.9	0.0	93.9	0.0	82.3	0.6	86.4	0.5

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
10/15/04	1.7	0.0	10.1	8.7	17.9	0.0	17.4	0.0	18.2	0.0	17.8	0.0
10/16/04	1.7	0.0	10.4	8.7	16.6	0.0	16.0	0.0	16.2	0.0	15.3	0.0
10/17/04	1.7	0.0	11.0	8.7	19.2	0.0	19.4	0.0	20.9	0.0	21.3	0.0
10/18/04	1.7	0.0	9.8	8.7	15.9	0.0	14.7	0.0	14.5	0.0	14.8	0.0
10/19/04	1.7	0.0	9.5	8.7	17.9	0.0	16.9	0.0	17.6	0.0	19.0	0.0
10/20/04	1.5	0.2	12.3	8.7	19.7	0.0	18.5	0.0	19.2	0.0	17.2	0.0
10/21/04	1.7	0.0	10.4	8.7	18.1	0.0	17.2	0.0	17.6	0.0	18.0	0.0
10/22/04	1.7	0.0	10.8	8.7	17.5	0.0	16.9	0.0	18.2	0.0	17.5	0.0
10/23/04	1.7	0.0	12.0	8.7	19.6	0.0	19.0	0.0	19.7	0.0	20.2	0.0
10/24/04	1.7	0.0	11.5	8.7	19.4	0.0	18.9	0.0	19.5	0.0	17.7	0.0
10/25/04	1.7	0.0	10.8	8.7	22.6	0.0	23.4	0.0	24.9	0.0	27.0	0.0
10/26/04	1.7	0.0	11.9	8.7	16.1	0.0	14.7	0.0	15.7	0.0	15.3	0.0
10/27/04	1.7	0.0	11.4	8.7	18.1	0.0	16.8	0.0	17.3	0.0	16.9	0.0
10/28/04	1.7	0.0	---	---	18.8	0.0	17.6	0.0	17.9	0.0	16.0	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		
10/15/04	122.4	0.0	120.0	0.8	124.4	0.0	123.3	2.2	23.1	91.2
10/16/04	85.8	0.0	80.1	0.8	81.5	0.0	85.5	2.2	2.8	73.8
10/17/04	76.0	0.0	79.3	0.8	82.3	0.0	83.3	2.2	0.0	74.4
10/18/04	85.9	0.0	92.0	0.8	97.1	0.0	105.5	4.2	10.7	83.7
10/19/04	108.1	0.0	109.2	0.8	112.2	0.0	115.2	2.2	16.1	90.2
10/20/04	130.3	0.0	128.7	0.8	133.7	0.0	143.4	3.1	37.5	96.1
10/21/04	136.9	0.0	128.8	0.8	131.7	0.0	138.8	2.2	32.9	97.0
10/22/04	135.1	0.0	128.4	0.8	131.3	0.0	135.1	1.9	35.4	91.1
10/23/04	117.5	0.0	119.2	0.8	123.5	0.0	123.6	2.2	25.1	89.6
10/24/04	99.0	0.0	96.9	0.8	102.2	0.0	111.0	2.3	12.6	89.5
10/25/04	103.8	0.0	117.3	0.8	117.1	0.0	113.2	2.2	16.8	87.5
10/26/04	107.6	0.0	114.1	0.8	119.5	0.0	125.2	2.3	24.2	91.9
10/27/04	123.2	0.0	108.6	0.8	116.9	0.0	127.8	2.3	28.7	90.2
10/28/04	96.5	0.0	93.6	0.8	93.6	0.0	104.8	2.3	3.1	92.7

HATCHERY RELEASES LAST TWO WEEKS

Hatchery Release Summary									
From:		10/15/2004	to		10/28/04				
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH1	SP	2005	75,000	10-01-04	10-31-04	Newsome Creek	
Nez Perce Tribe Total					75,000				
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2005	48,430	10-13-04	11-17-04	Warm Springs Hatchery	
U.S. Fish and Wildlife Service Total					48,430				
Grand Total					123,430				

HATCHERY RELEASES NEXT TWO WEEKS

Hatchery Release Summary									
From:		10/29/2004	to		11/11/2004				
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Nez Perce Tribal H	CH1	SP	2005	75,000	10-01-04	10-31-04	Newsome Creek	S Fk Clearwater R
Nez Perce Tribe Total					75,000				
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2005	48,430	10-13-04	11-17-04	Warm Springs H	Deschutes River
U.S. Fish and Wildlife Service Total					48,430				
Grand Total					123,430				

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

Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	<u>Hungry H. Dnst</u>			<u>Boundary</u>			<u>Grand Coulee</u>			<u>Grand C. Tlwr</u>			<u>Chief Joseph</u>							
	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	hr		Avg	Avg		High	hr		Avg	Avg		High	hr		Avg	Avg
10/15	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/16	---	---	---	0	103	103	104	24	101	102	102	24	101	101	103	24	101	101	102	23
10/17	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/18	---	---	---	0	102	102	103	24	101	101	102	24	102	103	107	24	101	101	102	23
10/19	---	---	---	0	103	104	105	24	101	101	101	24	102	102	105	24	101	101	101	23
10/20	---	---	---	0	102	102	102	24	100	100	101	24	101	102	104	24	101	101	101	23
10/21	---	---	---	0	101	101	102	24	100	100	100	24	101	102	105	24	100	100	100	23
10/22	---	---	---	0	101	102	102	23	100	100	100	24	101	102	104	24	100	100	100	23
10/23	---	---	---	0	101	102	103	24	100	100	103	24	101	101	103	24	99	99	100	23
10/24	---	---	---	0	101	101	102	24	99	99	99	24	99	100	101	24	98	99	99	23
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	---	---	---	0	105	109	115	24	100	100	100	24	101	101	102	24	100	100	101	23
10/27	---	---	---	0	101	101	102	24	100	100	100	24	100	101	102	24	100	100	101	23
10/28	---	---	---	0	104	107	113	24	100	100	100	24	100	100	101	24	99	100	100	23

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. Tlwr</u>							
	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	hr		Avg	Avg		High	hr		Avg	Avg		High	hr		Avg	Avg
10/15	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/16	101	102	103	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/17	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/18	101	102	104	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/19	101	102	102	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/20	101	102	103	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/21	101	102	102	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/22	100	101	101	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/23	101	102	103	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/24	100	100	101	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	100	101	102	23	---	---	---	0	---	---	---	0	100	100	100	22	99	99	99	22
10/27	100	101	102	23	---	---	---	0	---	---	---	0	100	100	100	23	99	99	99	23
10/28	100	101	101	23	---	---	---	0	---	---	---	0	100	100	100	24	99	99	99	24

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</u>							
	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	hr		Avg	Avg		High	hr		Avg	Avg		High	hr		Avg	Avg
10/15	---	---	---	0	---	---	---	0	100	101	101	23	101	101	101	23	100	101	101	23
10/16	99	99	99	24	107	109	110	24	101	101	101	23	101	101	102	23	101	101	101	23
10/17	---	---	---	0	---	---	---	0	101	101	102	23	102	102	102	23	101	101	101	23
10/18	99	99	99	24	103	103	103	24	101	101	102	23	101	101	102	23	99	100	101	23
10/19	99	99	99	24	103	103	103	24	104	104	104	23	103	104	104	23	100	100	101	23
10/20	99	99	99	24	103	103	103	24	101	101	102	23	101	102	103	23	102	102	103	23
10/21	99	99	99	24	103	103	103	24	99	99	99	23	99	99	100	23	100	101	102	23
10/22	99	99	99	24	103	103	103	24	98	99	99	23	99	99	100	23	99	99	99	23
10/23	99	99	99	24	103	103	103	24	---	---	---	0	---	---	---	0	---	---	---	0
10/24	99	99	99	24	103	103	103	24	97	98	98	23	98	98	98	23	97	97	98	23
10/25	---	---	---	0	---	---	---	0	98	98	98	23	98	99	99	23	98	98	99	23
10/26	99	99	99	22	100	101	103	22	98	98	98	23	98	99	101	23	98	98	98	23
10/27	99	99	99	23	98	98	98	23	97	98	98	23	97	98	98	23	97	98	98	23
10/28	99	99	99	24	98	98	98	24	97	98	98	23	97	98	98	23	97	98	98	23

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

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

Date	<u>Priest R. Dnst</u>			<u>Pasco</u>			<u>Dworshak</u>			<u>Clwrtr-Peck</u>			<u>Anatone</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High		#			
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	Avg	hr
10/15	103	104	105	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/16	104	104	105	23	---	---	---	0	105	105	106	24	---	---	---	0	101	101	102	24
10/17	105	105	106	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/18	103	103	104	23	---	---	---	0	105	105	106	23	---	---	---	0	100	101	101	24
10/19	102	103	104	23	---	---	---	0	104	105	106	24	---	---	---	0	101	101	102	24
10/20	103	103	104	23	---	---	---	0	106	108	118	24	---	---	---	0	100	101	101	24
10/21	102	102	103	23	---	---	---	0	104	105	105	24	---	---	---	0	101	101	102	24
10/22	100	101	101	23	---	---	---	0	104	104	104	24	---	---	---	0	100	101	101	24
10/23	---	---	---	0	---	---	---	0	104	104	105	24	---	---	---	0	101	101	102	23
10/24	100	101	101	23	---	---	---	0	103	104	105	24	---	---	---	0	100	101	101	24
10/25	101	102	102	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	101	101	101	23	---	---	---	0	104	105	106	24	---	---	---	0	101	101	102	13
10/27	100	101	102	23	---	---	---	0	103	104	105	24	---	---	---	0	---	---	---	0
10/28	101	102	109	23	---	---	---	0	103	104	105	24	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clwrtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite Tlwr</u>			<u>Little Goose</u>			<u>L. Goose Tlwr</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High		#			
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	Avg	hr
10/15	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/16	---	---	---	0	100	100	100	24	99	99	100	24	---	---	---	0	---	---	---	0
10/17	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/18	---	---	---	0	99	99	100	24	99	100	101	24	---	---	---	0	---	---	---	0
10/19	---	---	---	0	99	99	99	24	100	100	100	24	---	---	---	0	---	---	---	0
10/20	---	---	---	0	99	99	99	21	99	99	100	24	---	---	---	0	---	---	---	0
10/21	---	---	---	0	98	98	99	24	99	99	99	24	---	---	---	0	---	---	---	0
10/22	---	---	---	0	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0
10/23	---	---	---	0	98	98	98	24	98	98	99	24	---	---	---	0	---	---	---	0
10/24	---	---	---	0	97	97	98	24	97	97	98	24	---	---	---	0	---	---	---	0
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	---	---	---	0	98	98	99	24	98	98	99	24	---	---	---	0	---	---	---	0
10/27	---	---	---	0	97	97	98	24	97	97	98	24	---	---	---	0	---	---	---	0
10/28	---	---	---	0	97	97	97	24	96	97	98	24	---	---	---	0	---	---	---	0

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

Date	<u>Lower Mon.</u>			<u>L. Mon. Tlwr</u>			<u>Ice Harbor</u>			<u>Ice Harbor Tlwr</u>			<u>McNary-Oregon</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High		#			
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	Avg	hr
10/15	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/16	---	---	---	0	---	---	---	0	100	100	100	24	---	---	---	0	---	---	---	0
10/17	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	102	102	103	24
10/18	---	---	---	0	---	---	---	0	99	100	100	24	100	100	102	12	100	101	101	24
10/19	---	---	---	0	---	---	---	0	100	100	100	24	100	101	102	24	100	100	101	24
10/20	---	---	---	0	---	---	---	0	99	99	99	24	100	100	101	24	99	99	100	24
10/21	---	---	---	0	---	---	---	0	98	98	99	24	99	99	100	24	97	98	98	24
10/22	---	---	---	0	---	---	---	0	98	98	98	24	99	99	100	24	97	97	97	24
10/23	---	---	---	0	---	---	---	0	97	97	98	24	98	99	99	24	97	97	97	24
10/24	---	---	---	0	---	---	---	0	96	97	97	24	98	99	100	24	97	98	98	24
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	---	---	---	0	---	---	---	0	97	97	97	24	99	99	100	24	99	99	99	24
10/27	---	---	---	0	---	---	---	0	96	97	97	24	98	99	100	24	98	98	99	24
10/28	---	---	---	0	---	---	---	0	96	96	96	24	98	99	103	24	98	98	99	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>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24h</u>	<u>12h</u>	High	#	<u>24h</u>	<u>12h</u>	High					
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	AVG	hr
10/15	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/16	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/17	102	102	103	24	102	102	103	24	---	---	---	0	---	---	---	0	---	---	---	0
10/18	101	101	101	24	101	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/19	100	101	101	24	100	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/20	99	99	100	24	99	99	100	24	---	---	---	0	---	---	---	0	---	---	---	0
10/21	98	98	98	24	98	98	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/22	97	97	98	24	97	98	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/23	97	97	97	24	97	97	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/24	97	97	98	24	97	98	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	99	99	99	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
10/27	98	98	98	24	98	98	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/28	98	98	98	24	98	98	98	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>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24h</u>	<u>12h</u>	High	#		<u>24h</u>	<u>12h</u>	High
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr		Avg	Avg	
10/15	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/16	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/17	---	---	---	0	101	101	102	23	103	103	104	23	---	---	---	0
10/18	---	---	---	0	99	100	100	23	103	105	107	23	---	---	---	0
10/19	---	---	---	0	100	100	100	23	102	102	103	23	---	---	---	0
10/20	---	---	---	0	99	99	99	23	101	101	101	23	---	---	---	0
10/21	---	---	---	0	99	99	99	23	100	101	101	23	---	---	---	0
10/22	---	---	---	0	98	99	99	23	100	100	101	23	---	---	---	0
10/23	---	---	---	0	98	98	99	23	100	100	100	23	---	---	---	0
10/24	---	---	---	0	98	98	98	23	100	101	101	23	---	---	---	0
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	---	---	---	0	99	99	100	23	101	101	102	23	---	---	---	0
10/27	---	---	---	0	98	98	99	23	100	100	101	23	---	---	---	0
10/28	---	---	---	0	97	98	98	23	99	99	100	23	---	---	---	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)
10/15/2004	---	---	---	---	---	38	0	---	---	---	---	0
10/16/2004	---	---	---	---	---	24	0	---	---	---	---	0
10/17/2004	---	---	---	---	---	14	0	---	---	---	---	0
10/18/2004	---	---	---	---	---	20	0	---	---	---	---	0
10/19/2004	---	---	---	---	---	17	0	---	---	---	---	0
10/20/2004	---	---	---	---	---	13	1	---	---	---	---	5
10/21/2004	---	---	---	---	---	44	0	---	---	---	---	0
10/22/2004	---	---	---	---	---	57	0	---	---	---	---	0
10/23/2004	---	---	---	---	---	49	0	---	---	---	---	0
10/24/2004	---	---	---	---	---	57	0	---	---	---	---	0
10/25/2004	---	---	---	---	---	14	0	---	---	---	---	0
10/26/2004	---	---	---	---	---	72	1	---	---	---	---	0
10/27/2004	---	---	---	---	---	73	0	---	---	---	---	0
10/28/2004	---	---	---	---	---	---	1	---	---	---	---	0
10/29/2004	---	---	---	---	---	---	0	---	---	---	---	0
<hr/>												
Total:	0	0	0	0	0	492	3	0	0	0	0	5
# Days:	0	0	0	0	0	13	15	0	0	0	0	15
Average:	0	0	0	0	0	38	0	0	0	0	0	0
YTD	852	29,063	66,832	9,904	4,053	5,176,531	2,658,622	913,848	12,574	1,069,763	1,005,416	1,466,453

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)
10/15/2004	---	---	---	---	---	71	132	---	---	---	---	17
10/16/2004	---	---	---	---	---	84	104	---	---	---	---	26
10/17/2004	---	---	---	---	---	92	116	---	---	---	---	21
10/18/2004	---	---	---	---	---	103	154	---	---	---	---	12
10/19/2004	---	---	---	---	---	74	180	---	---	---	---	52
10/20/2004	---	---	---	---	---	45	103	---	---	---	---	53
10/21/2004	---	---	---	---	---	114	173	---	---	---	---	28
10/22/2004	---	---	---	---	---	135	212	---	---	---	---	66
10/23/2004	---	---	---	---	---	152	289	---	---	---	---	87
10/24/2004	---	---	---	---	---	225	380	---	---	---	---	12
10/25/2004	---	---	---	---	---	137	161	---	---	---	---	12
10/26/2004	---	---	---	---	---	201	320	---	---	---	---	12
10/27/2004	---	---	---	---	---	336	40	---	---	---	---	53
10/28/2004	---	---	---	---	---	---	48	---	---	---	---	64
10/29/2004	---	---	---	---	---	---	34	---	---	---	---	62
<hr/>												
Total:	0	0	0	0	0	1,769	2,446	0	0	0	0	577
# Days:	0	0	0	0	0	13	15	0	0	0	0	15
Average:	0	0	0	0	0	136	163	0	0	0	0	38
YTD	1,562	0	29	80	935	1,034,237	493,339	191,595	25,925	8,414,554	1,720,827	4,746,355

* 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)
10/15/2004	---	---	---	---	---	0	0	---	---	---	---	8
10/16/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/17/2004	---	---	---	---	---	0	0	---	---	---	---	4
10/18/2004	---	---	---	---	---	0	0	---	---	---	---	4
10/19/2004	---	---	---	---	---	1	0	---	---	---	---	0
10/20/2004	---	---	---	---	---	0	0	---	---	---	---	13
10/21/2004	---	---	---	---	---	0	1	---	---	---	---	14
10/22/2004	---	---	---	---	---	0	0	---	---	---	---	13
10/23/2004	---	---	---	---	---	0	2	---	---	---	---	0
10/24/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/25/2004	---	---	---	---	---	0	0	---	---	---	---	0
10/26/2004	---	---	---	---	---	0	0	---	---	---	---	12
10/27/2004	---	---	---	---	---	0	0	---	---	---	---	13
10/28/2004	---	---	---	---	---	---	1	---	---	---	---	0
10/29/2004	---	---	---	---	---	---	0	---	---	---	---	0

Total:	0	0	0	0	0	1	4	0	0	0	0	81
# Days:	0	0	0	0	0	13	15	0	0	0	0	15
Average:	0	0	0	0	0	0	0	0	0	0	0	5
YTD	0	0	0	0	45	259,510	127,985	15,933	28,668	90,681	175,311	938,114

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)
10/15/2004	---	---	---	---	---	2	0	---	---	---	---	0
10/16/2004	---	---	---	---	---	2	1	---	---	---	---	0
10/17/2004	---	---	---	---	---	7	9	---	---	---	---	0
10/18/2004	---	---	---	---	---	8	3	---	---	---	---	0
10/19/2004	---	---	---	---	---	15	0	---	---	---	---	0
10/20/2004	---	---	---	---	---	1	3	---	---	---	---	0
10/21/2004	---	---	---	---	---	3	2	---	---	---	---	0
10/22/2004	---	---	---	---	---	4	5	---	---	---	---	0
10/23/2004	---	---	---	---	---	7	2	---	---	---	---	0
10/24/2004	---	---	---	---	---	5	40	---	---	---	---	0
10/25/2004	---	---	---	---	---	9	6	---	---	---	---	0
10/26/2004	---	---	---	---	---	4	21	---	---	---	---	0
10/27/2004	---	---	---	---	---	6	0	---	---	---	---	0
10/28/2004	---	---	---	---	---	---	1	---	---	---	---	0
10/29/2004	---	---	---	---	---	---	0	---	---	---	---	0

Total:	0	0	0	0	0	73	93	0	0	0	0	0
# Days:	0	0	0	0	0	13	15	0	0	0	0	15
Average:	0	0	0	0	0	6	6	0	0	0	0	0
YTD	194	2,106	36,387	1,857	8,418	5,828,673	1,917,933	343,356	10,735	124,610	257,272	155,715

* See sampling comments

Two-Week Summary of Passage Indices

Date	COMBINED SOCKEYE											
	ENT	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
(Coll)	(Coll)	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/15/2004	---	---	---	---	---	1	3	---	---	---	---	0
10/16/2004	---	---	---	---	---	1	1	---	---	---	---	0
10/17/2004	---	---	---	---	---	10	3	---	---	---	---	0
10/18/2004	---	---	---	---	---	9	1	---	---	---	---	0
10/19/2004	---	---	---	---	---	4	0	---	---	---	---	0
10/20/2004	---	---	---	---	---	1	0	---	---	---	---	0
10/21/2004	---	---	---	---	---	8	2	---	---	---	---	0
10/22/2004	---	---	---	---	---	14	0	---	---	---	---	0
10/23/2004	---	---	---	---	---	8	0	---	---	---	---	0
10/24/2004	---	---	---	---	---	6	1	---	---	---	---	0
10/25/2004	---	---	---	---	---	5	2	---	---	---	---	0
10/26/2004	---	---	---	---	---	6	21	---	---	---	---	0
10/27/2004	---	---	---	---	---	15	0	---	---	---	---	0
10/28/2004	---	---	---	---	---	---	1	---	---	---	---	0
10/29/2004	---	---	---	---	---	---	0	---	---	---	---	0

Total:	0	0	0	0	0	88	35	0	0	0	0	0
# Days:	0	0	0	0	0	13	15	0	0	0	0	15
Average:	0	0	0	0	0	7	2	0	0	0	0	0
YTD	6	9	0	0	25	7,976	4,843	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:

10/29/04 9:57 AM

10/16/04 TO 10/29/04

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	1,769	492	1	88	73	2,423
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	72	72
	Sum of Numbertrucked	1,824	505	1	74	0	2,404
	Sum of TotalProjectMortalities	14	0	0	17	1	32
LGS	Sum of NumberCollected	2,446	3	4	35	93	2,581
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	615	1	0	10	49	675
	Sum of Numbertrucked	1,950	2	5	25	44	2,026
	Sum of TotalProjectMortalities	5	0	0	0	1	6
Total Sum of NumberCollected		4,215	495	5	123	166	5,004
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		615	1	0	10	121	747
Total Sum of Numbertrucked		3,774	507	6	99	44	4,430
Total Sum of TotalProjectMortalities		19	0	0	17	2	38

YTD Transportation Summary

Source: Fish Passage Center

Updated:

10/29/04 9:57 AM

TO: 10/29/04

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	1,002,058	4,847,006	252,891	7,635	5,677,474	11,787,064
	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	289,983	501,390
	Sum of NumberTrucked	27,911	44,571	269	504	15,994	89,249
	Sum of TotalProjectMortalities	5,445	23,192	308	101	3,247	32,293
LGS	Sum of NumberCollected	493,072	2,573,096	124,728	4,791	1,871,837	5,067,524
	Sum of NumberBarged	471,597	2,569,347	124,430	4,667	1,867,844	5,037,885
	Sum of NumberBypassed	625	1	1	10	49	686
	Sum of NumberTrucked	19,731	2,230	235	105	1,843	24,144
	Sum of TotalProjectMortalities	1,120	1,520	62	9	2,101	4,812
LMN	Sum of NumberCollected	183,100	843,381	14,898	908	288,200	1,330,487
	Sum of NumberBarged	171,441	834,167	14,882	903	284,666	1,306,059
	Sum of NumberBypassed	6,666	6,333	3	1	2,141	15,144
	Sum of NumberTrucked	3,927	1,390	9	3	697	6,026
	Sum of TotalProjectMortalities	1,066	1,491	4	1	696	3,258
MCN	Sum of NumberCollected	7,676,855	658,059	56,924	190,650	76,314	8,658,802
	Sum of NumberBarged	6,554,868	8,073	5,009	10,355	1,384	6,579,689
	Sum of NumberBypassed	1,044,727	647,051	51,742	179,173	74,612	1,997,305
	Sum of NumberTrucked	8,107	12	0	55	0	8,174
	Sum of TotalProjectMortalities	69,153	2,923	173	1,067	318	73,634
Total Sum of NumberCollected		9,355,085	8,921,542	449,441	203,984	7,913,825	26,843,877
Total Sum of NumberBarged		8,120,170	8,039,498	383,283	22,670	7,522,141	24,087,762
Total Sum of NumberBypassed		1,098,456	804,717	65,098	179,469	366,785	2,514,525
Total Sum of NumberTrucked		59,676	48,203	513	667	18,534	127,593
Total Sum of TotalProjectMortalities		76,784	29,126	547	1,178	6,362	113,997

Cumulative Adult Passage at Mainstem Dams Through: 10/28

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	581,081	38,088	606,627	47,420	285,424	38,728
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	301,517	32,474	312,957	39,613	152,190	27,639
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	213,570	30,682	215,242	34,247	111,813	22,608
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	168,507	24,120	178,678	29,938	93,231	20,136
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	21,044	11,122	20,897	10,621	7,758	4,894
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	19,772	5,898	13,542	8,866	6,480	4,414
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	17,924	5,325	13,874	6,441	5,240	3,048
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	14,468	7,409	11,524	8,335	4,500	3,388
PRD	13,521	1,020	18,136	656	14,413	382	67,060	5,613	82,904	3,933	33,981	1,384	40,642	3,811	45,712	6,018	21,844	3,158
RIS	10,917	958	16,881	753	11,256	609	62,311	4,716	81,543	6,858	31,088	4,058	15,192	2,006	18,974	4,184	8,161	2,302
RRH	4,365	734	4,216	450	4,023	171	41,532	7,899	63,167	6,195	22,791	2,151	8,271	1,431	10,498	2,658	5,345	1,590
WEL	4,615	178	4,504	198	2,563	172	31,380	1,347	44,503	1,888	16,929	1,288	5,021	522	7,064	885	2,753	622

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	113,246	4,767	124,757	8,021	70,142	5,008	123,320	39,291	42,656	309,840	357,632	295,236	97,155
TDA	38,384	1,897	42,315	2,805	17,334	1,725	107,485	34,176	34,664	237,507	271,510	221,199	72,895
JDA	32,557	2,125	34,228	4,115	13,974	1,555	113,501	35,417	37,905	227,561	284,059	219,836	68,128
MCN	18,624	1,114	17,752	1,718	6,672	685	89,707	32,037	33,490	198,821	228,971	166,780	55,609
IHR	3,224	42	1,242	62	325	17	91	37	18	166,951	185,382	123,697	40,061
LMN	3,236	164	761	97	202	24	77	14	24	146,925	170,153	118,848	35,511
LGS	2,723	127	653	72	140	4	81	23	26	140,017	157,938	107,795	32,606
LWG	3,373	97	884	108	245	17	113	11	22	145,166	169,855	109,905	34,392
PRD	4,694	783	4,545	386	1,267	141	124,943	36,551	40,828	18,663	17,544	11,500	n/a
RIS	5,082	0	5,575	0	1,484	0	102,808	34,779	37,929	19,269	17,251	10,524	13,953
RRH	664	0	813	0	223	0	74,908	30,355	24,456	14,207	13,351	7,899	9,052
WEL	213	0	135	0	41	0	70,400	28,977	24,034	9,036	9,680	5,862	5,378

RIS, RHH are through 10/26. WELS is through 10/27.

*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. Wild Steelhead are defined as unclipped fish.

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: 10/29/04

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

Steelhead
137,548

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

