



## Fish Passage Center

# Weekly Report #03 - 29

October 17, 2003

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### Summary of Events:

**Water Supply:** Water Year 2004 began on October 1st, 2003. In summary of Water Year 2003, precipitation throughout the Columbia Basin ranged between 70% and 96% of average at the sites listed in Table 1. During the first thirteen days of WY 2004, precipitation has varied between 8% and 145% of average at the listed sites.

**Table 1. Summary WY 2003 precipitation and WY 2004 cumulative October precipitation with respect to average (1971-2000), at select locations within the Columbia and Snake River Basins.**

Location	Water Year 2003 Totals October 1, 2002 to September 30, 2003		Water Year 2004 Totals October 1, 2003 to October 13, 2003	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	20.53	80	0.59	75
SNAKE RIVER Above Ice Harbor	16.04	89	0.17	34
Columbia Above The Dalles	19.98	85	0.46	67
Kootenai	19.34	74	0.66	86
Clark Fork	14.99	84	0.19	38
Flathead	17.49	74	0.29	41
Pend Oreille/Spokane	28.04	89	0.50	56
Central Washington	8.76	96	0.03	12
SNAKE RIVER PLAIN	8.15	70	0.03	8
Salmon/Boise/ Payette	19.00	94	0.09	17
Clearwater	30.02	96	0.48	53
SW Washington Cascades/Cowlitz	59.29	83	3.37	145
Willamette Valley	53.40	89	1.73	96

Libby Reservoir is currently at an elevation of 2432.9 feet, and has drafted 0.4 feet in the last week. Outflows over the past week have been 4.6 Kcfs.

Hungry Horse Reservoir is at an elevation of 3532.7 feet and has been drafted approximately 1.0 foot over the last week. Outflows continue to range between 2.2 and 2.3 Kcfs.

Albeni Falls has increased outflows to 17-18 Kcfs to draft to an elevation of 2055-2056 feet by the end of October. The Salmon Managers have recommended to TMT that Albeni Falls draft to 2051 feet by mid-November, but a final decision has not yet been made.

Dworshak Reservoir is currently at an elevation of 1516.7 feet, and has drafted 0.3 feet in the last week. Dworshak is currently at an outflow of 1.7 Kcfs.

Grand Coulee Reservoir ended October 16th at an elevation of 1287.6 feet. Outflows over the last week have ranged between a day average of 56.3 and 86.1 Kcfs.

Brownlee Reservoir was at an elevation of 2039.7 on October 16th, refilling 2.3 feet in the last week. Outflows at Brownlee have been fluctuating between 5.5 and 11.1 Kcfs over the week.

**Smolt Monitoring:** With three sampling sites operating until the end of October, there continue to be detections of subyearling chinook moving through the system, while very few other salmonids have been seen. At Lower Granite Dam the average daily index for subyearling chinook decreased from 440 last week to 260 per day this week, with a relatively large daily count of 728 on October 16. At Little Goose Dam there was a decrease, with an average index of 37 this week compared to 56 last week. In the Lower Columbia, at Bonneville Dam, the average daily index for subyearling chinook was at 70 this week compared to 47 last week.

**Hatchery Releases** - The preliminary total of juvenile salmonids released from Columbia River Basin hatcheries above Bonneville Dam for the 2003 migration season is an estimated 87.3 million. A few supplemental and planned releases of spring/summer chinook were completed this fall season and are primarily considered as 2004 migrants.

**Adult Fish Passage** - At Bonneville Dam, adult fall chinook passage decreased through the week with daily counts ranging between 1069 and 640. The cumulative count through October 16 was 602,255; this total is about 128% and 255% of the respective 2002 and 10-year average. Overall, 46,749 Jack fall chinook (Tule and Up-River Bright stocks) have been counted to date; this total was 118% and 134% of the respective 2002 and 10-year average counts for the 2003 season.

Upriver bright fall chinook counts past The Dalles Dam ranged from 1,088 to 688 for the week while upstream at McNary Dam, chinook counts ranged between 1001 and 517. The cumulative count at McNary Dam was 174,484 through October 16. At Priest Rapids Dam, adult fall chinook counts ranged between 204 and 84 with the cumulative total being 42,641 through October 16. At Ice Harbor Dam, the high daily count for the week was 151 with the cumulative count at 20,283 through October 16. Adult fall chinook counts at both Priest Rapids and Ice Harbor dams exceed the 2002 and 10-year averages for the 2003 season.

Numbers of steelhead at Bonneville Dam ranged between 370 and 700 for the week. The cumulative count through October 16 was 354,070 and compares to 474,742 in 2002 and 276,122 for the 10-year average. The percent passage of adult steelhead counted at Bonneville Dam and upstream at The Dalles Dam is now at 73.5%; the steelhead count at The Dalles Dam through October 16 was 260,211. At McNary Dam, daily counts of adult steelhead ranged from 750 to 1,400 with the cumulative total now at 213,165. Steelhead counts up the Mid-Columbia ranged from 17 to 50 per day at Priest Rapids Dam with steelhead passage into the Snake River ranging from 546 to 1368 per day (Ice Harbor counts). The cumulative count for Priest Rapids Dam was 17,039 through October 16 with Ice Harbor at 172,890 through the same date.

At Bonneville Dam, adult coho counts were over 1,000 per day for the week with the cumulative count through October 16 at 115,717. This total was 1.5-times greater than the 2002 count and double the 10-year average. About 34,104 of these fish have passed The Dalles Dam and will be destined for upstream sites in the Mid-Columbia area, the Yakama River basin, the Umatilla River basin and the Clearwater River basin. The majority of coho salmon returning to the Bonneville pool are destined for the Little White Salmon and Klickitat rivers.

**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
10/03/03	68.1	0.0	68.9	0.0	68.7	0.0	67.0	0.0	65.8	0.0	68.5	1.7	66.6	1.1
10/04/03	44.4	0.0	46.6	0.0	47.8	0.0	49.0	0.0	50.3	0.0	55.5	1.8	55.2	1.1
10/05/03	48.9	0.0	51.4	0.0	47.4	0.0	47.9	0.0	47.8	0.0	54.0	1.8	51.7	1.0
10/06/03	84.4	0.0	80.5	0.0	79.9	0.0	80.2	0.0	79.1	0.0	79.6	1.7	76.1	1.0
10/07/03	63.9	0.0	65.7	0.0	65.4	0.0	67.5	0.0	65.8	0.0	73.6	1.8	73.9	0.5
10/08/03	56.8	0.0	65.6	0.0	66.6	0.0	70.0	0.0	70.5	0.0	87.8	1.6	85.2	0.0
10/09/03	99.1	0.0	90.8	0.0	86.3	0.1	83.5	0.0	80.4	0.0	85.0	1.2	83.6	0.6
10/10/03	62.7	0.0	65.4	0.0	69.0	0.0	70.4	0.0	66.9	0.0	80.6	1.3	79.9	1.0
10/11/03	59.9	0.0	60.9	0.0	59.1	0.0	63.7	0.0	63.3	0.0	68.8	1.1	68.1	1.0
10/12/03	56.3	0.0	55.7	0.0	52.8	0.0	53.2	0.0	54.4	0.0	59.0	1.0	57.6	0.9
10/13/03	86.1	0.0	82.8	0.0	80.7	0.0	82.1	0.0	80.3	0.0	81.0	1.1	82.4	0.4
10/14/03	75.3	0.0	79.6	0.0	80.0	0.0	81.3	0.0	81.2	0.0	79.3	1.3	74.2	0.0
10/15/03	72.9	0.0	72.8	0.0	73.3	0.0	74.7	0.0	75.6	0.0	92.4	1.1	94.2	0.0
10/16/03	68.8	0.0	67.5	0.0	66.2	0.0	67.9	0.0	67.8	0.0	81.2	0.8	83.0	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
10/03/03	1.7	0.0	9.7	12.0	17.2	0.0	17.0	0.0	16.6	0.0	13.8	0.0
10/04/03	1.7	0.0	9.3	10.4	18.6	0.0	17.9	0.0	17.7	0.0	19.4	0.0
10/05/03	1.7	0.0	9.7	10.1	15.5	0.0	14.5	0.0	15.4	0.0	12.5	0.0
10/06/03	1.7	0.0	10.4	12.5	15.5	0.0	15.5	0.0	15.5	0.0	15.1	0.0
10/07/03	1.7	0.0	9.4	8.9	17.3	0.0	15.8	0.0	17.0	0.0	15.5	0.0
10/08/03	1.7	0.0	9.7	8.6	15.3	0.0	16.1	0.0	16.1	0.0	15.3	0.0
10/09/03	1.7	0.0	9.7	11.0	16.2	3.5	14.6	0.0	15.4	0.0	13.6	0.0
10/10/03	1.7	0.0	9.2	9.4	16.9	2.7	16.7	0.0	17.7	0.0	16.7	0.0
10/11/03	1.7	0.0	10.8	9.0	14.7	0.0	15.5	0.0	16.9	0.0	16.8	0.0
10/12/03	1.7	0.0	9.7	9.0	14.3	0.0	14.0	0.0	14.7	0.0	13.3	0.0
10/13/03	1.7	0.0	9.7	8.6	15.0	0.0	14.5	0.0	14.5	0.0	13.2	0.0
10/14/03	1.7	0.0	10.3	8.6	14.8	0.0	14.6	0.0	14.7	0.0	12.7	0.0
10/15/03	1.7	0.0	10.2	8.5	16.8	0.0	15.4	0.0	16.2	0.0	15.1	0.0
10/16/03	1.7	0.0	---	---	14.9	0.0	15.5	0.0	16.3	0.0	15.4	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
10/03/03	82.7	0.0	85.7	0.0	90.2	0.0	100.6	2.4	2.5	88.9
10/04/03	78.5	0.0	76.2	0.0	81.4	0.0	83.1	2.5	0.0	73.9
10/05/03	65.1	0.0	64.9	0.0	68.8	0.0	77.2	2.3	0.0	68.1
10/06/03	79.5	0.0	74.4	0.0	78.5	0.0	77.5	2.4	0.0	68.4
10/07/03	89.9	0.0	89.8	0.0	96.3	0.0	102.0	2.3	9.1	83.8
10/08/03	101.0	0.0	96.2	0.0	104.1	0.0	107.0	2.5	0.0	97.8
10/09/03	102.0	0.0	104.0	0.0	107.3	0.0	111.7	2.4	5.8	96.8
10/10/03	103.2	0.0	94.2	0.0	96.5	0.0	107.1	2.4	2.5	95.4
10/11/03	98.1	0.0	98.7	0.0	106.7	0.0	109.8	2.4	3.4	96.9
10/12/03	80.7	0.0	75.7	0.0	78.8	0.0	80.4	2.3	0.3	70.8
10/13/03	83.9	0.0	81.6	0.0	86.0	0.0	94.3	2.3	0.4	84.8
10/14/03	98.6	0.0	97.2	0.0	102.1	0.0	102.3	2.4	0.9	92.3
10/15/03	106.8	0.0	100.4	0.0	105.7	0.0	112.4	2.4	5.8	97.4
10/16/03	103.1	0.0	103.9	0.0	109.3	0.0	115.9	2.4	14.3	92.5

### HATCHERY RELEASE LAST TWO WEEKS

#### Hatchery Release Summary

From: 10/3/03 to 10/16/03

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Idaho Dept. of Fish and Wildlife	Sawtooth Hatchery	SO	UN	2003	15,000	10-06-03	10-08-03	Pettit Lake	Salmon River (ID)
Idaho Dept. of Fish and Wildlife	Sawtooth Hatchery	SO	UN	2004	2,000	10-06-03	10-08-03	Alturas Lake	Salmon River (ID)
Idaho Dept. of Fish and Wildlife	Sawtooth Hatchery	SO	UN	2004	60,000	10-06-03	10-08-03	Redfish Lake	Salmon River (ID)
<b>Idaho Dept. of Fish and Wildlife Total</b>					<b>77,000</b>				
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2004	45,500	10-08-03	11-13-03	Warm Springs Hatchery	Deschutes River
<b>U.S. Fish and Wildlife Service Total</b>					<b>45,500</b>				
<b>Grand Total</b>					<b>122,500</b>				

### HATCHERY RELEASE NEXT TWO WEEKS

#### Hatchery Release Summary

From: 10/17/03 to 10/30/03

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2004	45,500	10-08-03	11-13-03	Warm Springs Hatchery	Deschutes River
<b>U.S. Fish and Wildlife Service Total</b>					<b>45,500</b>				
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	SO	UN	2004	110,000	10-27-03	10-31-03	Lake Wenatchee	Wenatchee River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>110,000</b>				
<b>Grand Total</b>					<b>155,500</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	<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>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>			<u>Avg</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>
10/3	---	---	---	0	102	103	104	24	101	101	102	24	100	100	103	24	---	---	---	0
10/4	---	---	---	0	101	101	102	24	101	102	102	24	100	101	106	24	---	---	---	0
10/5	---	---	---	0	100	100	101	24	101	102	103	24	100	101	105	24	---	---	---	0
10/6	---	---	---	0	101	102	105	24	102	102	103	24	100	100	102	24	---	---	---	0
10/7	---	---	---	0	101	101	104	24	102	102	102	24	100	100	101	24	---	---	---	0
10/8	---	---	---	0	100	100	100	24	101	102	102	24	100	100	101	24	---	---	---	0
10/9	---	---	---	0	100	100	104	24	100	101	101	24	99	99	100	24	---	---	---	0
10/10	---	---	---	0	99	99	100	24	99	100	100	24	98	99	100	24	---	---	---	0
10/11	---	---	---	0	99	100	100	24	100	100	100	24	99	100	102	24	---	---	---	0
10/12	---	---	---	0	98	99	99	24	99	99	100	24	99	99	100	24	---	---	---	0
10/13	---	---	---	0	98	98	99	24	98	98	99	24	98	98	101	24	---	---	---	0
10/14	---	---	---	0	98	99	99	24	98	98	99	24	98	98	101	25	---	---	---	0
10/15	---	---	---	0	97	98	101	24	99	99	99	24	98	99	101	24	---	---	---	0
10/16	---	---	---	0	98	98	101	24	99	99	99	24	98	99	101	24	---	---	---	0

### 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>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>			<u>Avg</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>
10/3	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/5	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/6	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/7	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/10	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/11	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/12	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/13	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/14	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/15	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/16	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

### 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>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>			<u>Avg</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>
10/3	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/5	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/6	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/7	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/8	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/10	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/11	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/12	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/13	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/14	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/15	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/16	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<u>Priest R. Dnst</u>			#	<u>Pasco</u>			#	<u>Dworshak</u>			#	<u>Clrwtr-Peck</u>			#	<u>Anatone</u>			#
	<u>24 h</u>	<u>12 h</u>			<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	
10/3	---	---	---	0	102	103	103	24	104	105	106	24	---	---	---	0	---	---	---	0
10/4	---	---	---	0	102	103	104	24	104	105	106	24	---	---	---	0	---	---	---	0
10/5	---	---	---	0	102	102	103	24	104	105	106	24	---	---	---	0	---	---	---	0
10/6	---	---	---	0	102	103	104	24	104	105	107	24	---	---	---	0	---	---	---	0
10/7	---	---	---	0	101	102	102	21	104	105	106	24	---	---	---	0	---	---	---	0
10/8	---	---	---	0	100	101	102	24	104	105	107	24	---	---	---	0	---	---	---	0
10/9	---	---	---	0	99	100	100	24	103	105	106	24	---	---	---	0	---	---	---	0
10/10	---	---	---	0	99	100	101	24	105	105	106	24	---	---	---	0	---	---	---	0
10/11	---	---	---	0	99	99	100	20	105	105	106	24	---	---	---	0	---	---	---	0
10/12	---	---	---	0	99	99	100	24	105	105	106	24	---	---	---	0	---	---	---	0
10/13	---	---	---	0	99	100	101	24	103	104	104	24	---	---	---	0	---	---	---	0
10/14	---	---	---	0	100	101	101	25	104	104	104	25	---	---	---	0	---	---	---	0
10/15	---	---	---	0	99	99	100	24	105	105	106	24	---	---	---	0	---	---	---	0
10/16	---	---	---	0	98	98	98	24	105	105	105	24	---	---	---	0	---	---	---	0

### Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>			#	<u>Lower Granite</u>			#	<u>L. Granite Tlwr</u>			#	<u>Little Goose</u>			#	<u>L. Goose Tlwr</u>			#
	<u>24 h</u>	<u>12 h</u>			<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	
10/3	---	---	---	0	103	104	106	24	99	99	100	24	---	---	---	0	---	---	---	0
10/4	---	---	---	0	102	103	103	24	99	100	100	24	---	---	---	0	---	---	---	0
10/5	---	---	---	0	100	100	102	24	98	99	99	24	---	---	---	0	---	---	---	0
10/6	---	---	---	0	101	101	102	24	98	98	98	24	---	---	---	0	---	---	---	0
10/7	---	---	---	0	98	98	99	24	97	97	98	24	---	---	---	0	---	---	---	0
10/8	---	---	---	0	98	98	99	24	97	97	97	24	---	---	---	0	---	---	---	0
10/9	---	---	---	0	96	96	97	24	105	111	115	21	---	---	---	0	---	---	---	0
10/10	---	---	---	0	96	96	96	24	104	111	120	24	---	---	---	0	---	---	---	0
10/11	---	---	---	0	96	96	96	24	96	96	97	24	---	---	---	0	---	---	---	0
10/12	---	---	---	0	95	95	96	9	95	96	97	20	---	---	---	0	---	---	---	0
10/13	---	---	---	0	95	95	95	3	95	95	96	6	---	---	---	0	---	---	---	0
10/14	---	---	---	0	95	95	95	11	95	96	96	22	---	---	---	0	---	---	---	0
10/15	---	---	---	0	95	95	96	12	95	95	96	17	---	---	---	0	---	---	---	0
10/16	---	---	---	0	95	95	95	8	96	96	97	11	---	---	---	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>			<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	
10/3	---	---	---	0	---	---	---	0	97	98	99	24	99	100	101	24	101	103	105	24
10/4	---	---	---	0	---	---	---	0	98	98	99	24	99	99	100	24	101	103	104	24
10/5	---	---	---	0	---	---	---	0	97	98	99	24	99	99	100	24	101	102	103	24
10/6	---	---	---	0	---	---	---	0	98	98	99	24	99	100	101	24	102	104	106	24
10/7	---	---	---	0	---	---	---	0	97	97	99	24	99	99	100	24	101	102	104	24
10/8	---	---	---	0	---	---	---	0	97	97	98	23	99	100	100	23	101	101	102	24
10/9	---	---	---	0	---	---	---	0	96	96	97	24	99	100	101	24	99	99	100	13
10/10	---	---	---	0	---	---	---	0	96	96	96	24	98	99	100	24	98	99	99	24
10/11	---	---	---	0	---	---	---	0	96	96	97	24	98	98	100	24	98	98	99	24
10/12	---	---	---	0	---	---	---	0	96	96	96	24	97	98	99	24	97	97	97	24
10/13	---	---	---	0	---	---	---	0	96	96	96	21	97	98	98	24	97	99	99	24
10/14	---	---	---	0	---	---	---	0	95	96	96	19	98	98	99	25	97	98	98	25
10/15	---	---	---	0	---	---	---	0	96	96	96	24	98	98	99	24	98	98	98	24
10/16	---	---	---	0	---	---	---	0	96	96	96	24	98	98	99	24	98	98	98	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>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>24h</u>	<u>12h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>			<u>Avg</u>	<u>hr</u>	<u>AVG</u>	<u>hr</u>
10/3	102	103	104	24	101	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/4	102	103	104	24	101	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/5	101	102	102	24	100	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/6	103	104	107	24	101	101	102	24	---	---	---	0	---	---	---	0	---	---	---	0
10/7	101	101	101	24	100	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/8	101	101	101	24	100	101	101	24	---	---	---	0	---	---	---	0	---	---	---	0
10/9	100	100	100	24	99	99	100	24	---	---	---	0	---	---	---	0	---	---	---	0
10/10	98	99	99	24	98	98	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/11	99	99	99	24	98	98	99	24	---	---	---	0	---	---	---	0	---	---	---	0
10/12	98	98	98	24	97	97	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/13	97	97	98	24	97	97	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/14	97	98	98	25	97	97	97	25	---	---	---	0	---	---	---	0	---	---	---	0
10/15	98	98	99	24	98	98	98	24	---	---	---	0	---	---	---	0	---	---	---	0
10/16	98	98	98	24	98	98	99	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>CamasWashugal</u>			#			
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>24h</u>	<u>12h</u>	<u>High</u>				
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>			<u>hr</u>	<u>Avg</u>	<u>Avg</u>
10/3	---	---	---	0	100	100	101	23	101	101	102	23	---	---	---	0
10/4	---	---	---	0	100	100	101	23	101	101	101	23	---	---	---	0
10/5	---	---	---	0	99	100	100	23	100	100	101	23	---	---	---	0
10/6	---	---	---	0	100	100	100	23	101	102	103	23	---	---	---	0
10/7	---	---	---	0	100	100	100	23	101	101	102	23	---	---	---	0
10/8	---	---	---	0	100	100	100	23	100	100	101	23	---	---	---	0
10/9	---	---	---	0	99	99	99	23	100	100	100	23	---	---	---	0
10/10	---	---	---	0	99	99	99	23	99	100	100	23	---	---	---	0
10/11	---	---	---	0	99	99	99	24	100	100	100	24	---	---	---	0
10/12	---	---	---	0	98	98	99	23	99	99	99	23	---	---	---	0
10/13	---	---	---	0	98	99	99	23	99	100	101	23	---	---	---	0
10/14	---	---	---	0	99	99	99	23	99	100	100	23	---	---	---	0
10/15	---	---	---	0	99	100	100	23	100	100	102	23	---	---	---	0
10/16	---	---	---	0	99	99	100	23	100	100	101	23	---	---	---	0

## Two-Week Summary of Passage Indices

	<b>COMBINED YEARLING CHINOOK</b>										
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/03/2003	---	---	---	---	0	1	---	---	---	---	0
10/04/2003	---	---	---	---	0	2	---	---	---	---	0
10/05/2003	---	---	---	---	0	0	---	---	---	---	0
10/06/2003	---	---	---	---	2	0	---	---	---	---	0
10/07/2003	---	---	---	---	2	1	---	---	---	---	0
10/08/2003	---	---	---	---	1	0	---	---	---	---	0
10/09/2003	---	---	---	---	1	0	---	---	---	---	0
10/10/2003	---	---	---	---	0	0	---	---	---	---	0
10/11/2003	---	---	---	---	0	0	---	---	---	---	0
10/12/2003	---	---	---	---	0	0	---	---	---	---	0
10/13/2003	---	---	---	---	0	0	---	---	---	---	0
10/14/2003	---	---	---	---	1	0	---	---	---	---	0
10/15/2003	---	---	---	---	1	0	---	---	---	---	0
10/16/2003	---	---	---	---	0	0	---	---	---	---	0
10/17/2003	---	---	---	---	3	0	---	---	---	---	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>4</b>	<b>0</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>15</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>32,064</b>	<b>34,028</b>	<b>11,123</b>	<b>2,417</b>	<b>3,599,244</b>	<b>2,483,149</b>	<b>785,335</b>	<b>15,355</b>	<b>1,624,087</b>	<b>2,074,671</b>	<b>4,043,776</b>

	<b>COMBINED SUBYEARLING CHINOOK</b>										
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/03/2003	---	---	---	---	475	64	---	---	---	---	100
10/04/2003	---	---	---	---	379	43	---	---	---	---	41
10/05/2003	---	---	---	---	457	45	---	---	---	---	0
10/06/2003	---	---	---	---	438	56	---	---	---	---	21
10/07/2003	---	---	---	---	434	66	---	---	---	---	41
10/08/2003	---	---	---	---	524	83	---	---	---	---	34
10/09/2003	---	---	---	---	345	33	---	---	---	---	92
10/10/2003	---	---	---	---	282	12	---	---	---	---	104
10/11/2003	---	---	---	---	205	24	---	---	---	---	41
10/12/2003	---	---	---	---	70	12	---	---	---	---	59
10/13/2003	---	---	---	---	349	23	---	---	---	---	47
10/14/2003	---	---	---	---	369	41	---	---	---	---	98
10/15/2003	---	---	---	---	303	71	---	---	---	---	105
10/16/2003	---	---	---	---	728	76	---	---	---	---	37
10/17/2003	---	---	---	---	520	91	---	---	---	---	123
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,878</b>	<b>740</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>943</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>392</b>	<b>49</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>63</b>
<b>YTD</b>	<b>1</b>	<b>118</b>	<b>74</b>	<b>355</b>	<b>1,408,152</b>	<b>684,832</b>	<b>341,254</b>	<b>28,113</b>	<b>7,682,087</b>	<b>2,713,873</b>	<b>7,902,384</b>

\* 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.



## Two-Week Summary of Passage Indices

	<b>COMBINED COHO</b>										
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/03/2003	---	---	---	---	2	0	---	---	---	---	0
10/04/2003	---	---	---	---	0	0	---	---	---	---	0
10/05/2003	---	---	---	---	1	1	---	---	---	---	10
10/06/2003	---	---	---	---	3	0	---	---	---	---	0
10/07/2003	---	---	---	---	0	0	---	---	---	---	0
10/08/2003	---	---	---	---	1	0	---	---	---	---	0
10/09/2003	---	---	---	---	0	0	---	---	---	---	0
10/10/2003	---	---	---	---	0	0	---	---	---	---	0
10/11/2003	---	---	---	---	0	0	---	---	---	---	0
10/12/2003	---	---	---	---	1	0	---	---	---	---	0
10/13/2003	---	---	---	---	0	0	---	---	---	---	0
10/14/2003	---	---	---	---	1	0	---	---	---	---	0
10/15/2003	---	---	---	---	0	0	---	---	---	---	0
10/16/2003	---	---	---	---	0	0	---	---	---	---	0
10/17/2003	---	---	---	---	0	0	---	---	---	---	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>132,918</b>	<b>116,667</b>	<b>37,604</b>	<b>41,690</b>	<b>113,584</b>	<b>258,277</b>	<b>2,116,469</b>

	<b>COMBINED STEELHEAD</b>										
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/03/2003	---	---	---	---	3	1	---	---	---	---	0
10/04/2003	---	---	---	---	5	0	---	---	---	---	0
10/05/2003	---	---	---	---	2	1	---	---	---	---	0
10/06/2003	---	---	---	---	2	1	---	---	---	---	0
10/07/2003	---	---	---	---	2	3	---	---	---	---	0
10/08/2003	---	---	---	---	3	0	---	---	---	---	0
10/09/2003	---	---	---	---	1	1	---	---	---	---	0
10/10/2003	---	---	---	---	0	1	---	---	---	---	0
10/11/2003	---	---	---	---	4	2	---	---	---	---	0
10/12/2003	---	---	---	---	1	0	---	---	---	---	0
10/13/2003	---	---	---	---	4	0	---	---	---	---	0
10/14/2003	---	---	---	---	1	0	---	---	---	---	0
10/15/2003	---	---	---	---	2	1	---	---	---	---	5
10/16/2003	---	---	---	---	3	0	---	---	---	---	0
10/17/2003	---	---	---	---	10	1	---	---	---	---	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>12</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>15</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>2,347</b>	<b>48,404</b>	<b>2,521</b>	<b>5,601</b>	<b>3,355,812</b>	<b>2,583,400</b>	<b>1,865,478</b>	<b>15,507</b>	<b>245,523</b>	<b>553,522</b>	<b>1,635,168</b>

\* See sampling comments

<http://www.fpc.org/currentDaily/smpcomments.htm>

## Two-Week Summary of Passage Indices

	<b>COMBINED SOCKEYE</b>										
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/03/2003	---	---	---	---	0	0	---	---	---	---	0
10/04/2003	---	---	---	---	0	0	---	---	---	---	0
10/05/2003	---	---	---	---	0	0	---	---	---	---	0
10/06/2003	---	---	---	---	0	0	---	---	---	---	0
10/07/2003	---	---	---	---	0	0	---	---	---	---	0
10/08/2003	---	---	---	---	0	0	---	---	---	---	0
10/09/2003	---	---	---	---	0	0	---	---	---	---	0
10/10/2003	---	---	---	---	0	0	---	---	---	---	0
10/11/2003	---	---	---	---	0	0	---	---	---	---	0
10/12/2003	---	---	---	---	0	1	---	---	---	---	0
10/13/2003	---	---	---	---	1	0	---	---	---	---	0
10/14/2003	---	---	---	---	1	0	---	---	---	---	0
10/15/2003	---	---	---	---	0	0	---	---	---	---	0
10/16/2003	---	---	---	---	0	0	---	---	---	---	0
10/17/2003	---	---	---	---	0	0	---	---	---	---	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</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>15</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</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>YTD</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>16,390</b>	<b>8,129</b>	<b>4,545</b>	<b>10,312</b>	<b>841,734</b>	<b>726,163</b>	<b>1,261,373</b>

\* See sampling comments <http://www.fpc.org/currentDaily/smpcomments.htm>

### 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
- 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.

**Cumulative Adult Passage at Mainstem Dams Through: 10/16**

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2003		2002		10-Yr Avg.		2003		2002		10-Yr Avg.		2003		2002		10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	192,010	14,258	268,813	6,477	122,177	6,086	114,808	13,358	127,436	7,952	38,022	5,207	602,255	46,749	468,981	39,494	235,856	34,835
TDA	131,207	11,522	181,176	3,870	80,975	4,136	101,490	10,441	113,069	5,743	32,585	3,775	306,900	38,626	242,505	32,574	127,915	24,136
JDA	101,436	10,206	139,887	2,403	67,822	3,122	95,542	10,073	105,354	5,615	30,300	3,298	212,069	32,961	162,672	28,727	94,992	19,366
MCN	95,550	11,123	129,357	3,872	62,536	3,162	93,844	11,104	109,937	6,810	31,244	3,358	174,484	28,655	139,013	24,530	79,419	17,249
IHR	78,170	8,020	85,207	1,826	38,964	1,925	20,742	4,602	26,607	2,437	7,616	1,067	20,283	9,988	14,997	5,927	5,786	3,628
LMN	70,603	7,344	76,304	1,537	38,073	1,899	18,718	3,589	23,744	1,710	7,642	945	13,085	8,274	14,951	5,734	5,193	3,295
LGS	69,017	7,079	77,232	1,815	37,097	2,034	14,340	3,537	20,854	2,254	6,945	1,196	13,401	5,926	12,617	3,847	3,821	2,182
LWG	70,609	8,295	75,025	2,089	35,689	2,016	16,422	4,137	22,159	1,953	6,987	1,260	11,133	7,648	11,959	5,097	3,341	2,323
PRD	18,136	656	34,083	196	15,528	317	83,004	3,933	96,326	1,455	27,332	1,075	42,641	5,544	24,802	2,452	17,436	2,484
RIS	16,881	753	24,017	827	11,565	538	81,543	6,858	86,825	3,216	24,224	3,420	16,903	3,804	13,084	1,040	6,239	1,764
RRH	4,216	450	9,999	161	4,017	126	63,167	6,195	73,104	2,807	16,932	1,550	9,081	2,421	9,296	1,142	4,143	1,255
WEL	4,313	172	7,585	41	2,377	152	44,503	1,888	62,595	412	12,816	1,120	4,491	745	4,595	193	1,846	495

DAM	Coho						Sockeye			Steelhead			
	2003		2002		10-Yr Avg.		2003	2002	10-Yr Avg.	10-Yr			Wild 2003
	Adult	Jack	Adult	Jack	Adult	Jack				2003	2002	Avg.	
BON	115,717	7,005	74,761	6,225	53,876	3,929	39,291	49,610	46,748	354,070	474,742	276,122	110,251
TDA	34,104	2,580	8,582	2,935	11,762	1,427	34,176	40,554	37,479	260,211	375,750	200,797	81,030
JDA	27,317	3,823	6,507	1,491	9,093	1,107	35,417	41,915	40,486	268,170	361,627	188,180	77,894
MCN	13,920	1,520	1,766	951	4,169	479	32,037	39,177	36,935	213,165	269,733	144,421	61,793
IHR	778	88	132	11	153	12	37	61	17	172,890	189,589	103,792	40,334
LMN	490	71	99	5	76	9	14	46	24	156,582	196,060	99,030	39,869
LGS	425	48	77	17	43	0	23	38	26	145,460	186,459	87,036	38,615
LWG	620	67	156	121	82	5	12	55	24	156,737	187,031	86,587	39,762
PRD	4,000	364	801	344	555	87	36,551	47,882	45,469	17,039	15,624	10,121	n/c
RIS	4,800	0	1,197	0	621	0	34,778	44,320	41,025	16,912	14,928	9,058	11,010
RRH	556	0	283	0	94	0	30,355	12,371	24,256	12,699	11,376	6,641	7,955
WEL	35	0	38	0	10	0	28,996	10,586	23,919	7,480	8,922	4,864	4,381

RIS, RRH, and WEL are through 10/15.

LGR is missing data for 3/6.

\*\*PRD is not reporting 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: 10/17/03

BON counts from January 1, 2003 to March 14, 2003 (our counts begin March 15)

Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
3,758	0	3,443	408

**Two Week Transportation Summary**

Source: Fish Passage Center

Updated:

10/17/03 11:47 AM

		10/04/03	TO	10/17/03			
		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	5,783	11	9	2	42	5,847
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	38	38
	Sum of NumberTrucked	6,003	12	12	2	0	6,029
	Sum of TotalProjectMortalities	70	0	0	0	4	74
<b>LGS</b>	Sum of NumberCollected	740		1	1	12	754
	Sum of NumberBarged	0		0	0	0	0
	Sum of NumberBypassed	0		0	0	0	0
	Sum of NumberTrucked	828		1	1	12	842
	Sum of TotalProjectMortalities	2		0	0	0	2
Total Sum of NumberCollected		6,523	11	10	3	54	6,601
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		0	0	0	0	38	38
Total Sum of NumberTrucked		6,831	12	13	3	12	6,871
Total Sum of TotalProjectMortalities		72	0	0	0	4	76

**YTD Transportation Summary**

Source: Fish Passage Center

Updated:

10/17/03 11:48 AM

		TO: 10/17/03					
		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	1,164,883	2,577,022	90,062	9,754	2,337,132	6,178,853
	Sum of NumberBarged	1,122,378	2,470,893	89,264	9,549	2,265,797	5,957,881
	Sum of NumberBypassed	2,894	45,590	7	0	53,532	102,023
	Sum of NumberTrucked	21,115	54,258	181	83	15,727	91,364
	Sum of TotalProjectMortalities	18,492	5,982	610	122	2,077	27,283
<b>LGS</b>	Sum of NumberCollected	602,467	1,832,626	86,756	5,441	1,938,453	4,465,743
	Sum of NumberBarged	574,927	1,776,598	86,171	5,399	1,934,367	4,377,462
	Sum of NumberBypassed	0	22	0	0	3	25
	Sum of NumberTrucked	20,083	52,602	135	4	1,148	73,972
	Sum of TotalProjectMortalities	7,456	3,405	450	38	2,935	14,284
<b>LMN</b>	Sum of NumberCollected	290,325	463,390	26,554	3,307	1,229,842	2,013,418
	Sum of NumberBarged	246,893	440,282	25,842	3,262	1,150,928	1,867,207
	Sum of NumberBypassed	34,112	6,866	681	0	75,966	117,625
	Sum of NumberTrucked	7,581	15,238	13	40	1,658	24,530
	Sum of TotalProjectMortalities	1,739	1,004	18	5	1,290	4,056
<b>MCN</b>	Sum of NumberCollected	7,028,584	1,041,821	71,927	546,131	155,032	8,843,495
	Sum of NumberBarged	4,606,418	5,470	8,989	10,989	701	4,632,567
	Sum of NumberBypassed	2,284,576	1,035,087	62,604	534,287	154,084	4,070,638
	Sum of NumberTrucked	65,426	31	0	122	0	65,579
	Sum of TotalProjectMortalities	72,166	1,140	334	438	242	74,320
Total Sum of NumberCollected		9,086,259	5,914,859	275,299	564,633	5,660,459	21,501,509
Total Sum of NumberBarged		6,550,616	4,693,243	210,266	29,199	5,351,793	16,835,117
Total Sum of NumberBypassed		2,321,582	1,087,565	63,292	534,287	283,585	4,290,311
Total Sum of NumberTrucked		114,205	122,129	329	249	18,533	255,445
Total Sum of TotalProjectMortalities		99,853	11,531	1,412	603	6,544	119,943



