Fish Passage Center

Weekly Report #08 - 32

October 31, 2008

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Summary of Events:

This is the final weekly report for the 2008 season.

Water Supply: Precipitation throughout the Columbia Basin has varied between 46% and 135% of average at individual sub-basins over the beginning of Water Year 2009 (October 1-27). Precipitation above The Dalles has been 84% of average over the beginning of Water Year 2009.

Table 1. Summary of October 1-27 precipitation and cumulative precipitation with respect to average (1971-2000), at select locations within the Columbia and Snake River Basins.

Location	Water Year 2009 October 1-27		Water Year 2009 October 1, 2008 to October 27, 2008	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.59	99	1.59	99
Snake River Above Ice Harbor	0.75	72	0.75	72
Columbia Above The Dalles	1.21	84	1.21	84
Kootenai	1.66	103	1.66	103
Clark Fork	0.65	64	0.65	64
Flathead	0.96	65	0.96	65
Pend Oreille/ Spokane	0.94	50	0.94	50
Central Washington	0.26	48	0.26	48
Snake River Plain	1.01	135	1.01	135
Salmon/Boise/ Payette	0.5	46	0.5	46
Clearwater	1.0	53	1.0	53
SW Washington Cascades/Cowlitz	3.0	62	3.0	62
Willamette Valley	2.64	71	2.64	71

Grand Coulee is currently at 1288.2 feet (10-30-08) and refilled 0.2 feet last week. Outflows have ranged between 66.6 and 73.0 Kcfs over the last week. Inflows last week have ranged between 34.3 Kcfs and 85.3 Kcfs.

The Libby Reservoir is currently (10-30-08) at an elevation of 2441.0 feet, holding steady last week. Inflows at Libby have ranged between 2.1 Kcfs and 6.2 Kcfs over the last week. Outflows at Libby are currently 4.5 Kcfs.

Hungry Horse is currently at an elevation of 3528.9 feet (10-30-08), and has drafted 1.1 feet last week. Outflows at Hungry Horse have ranged between at 2.2-2.4 Kcfs; inflows have ranged between 0.5 Kcfs and 1.4 Kcfs last week.

Albeni Falls is at an elevation of 2052.5 feet (10-30-08) and has drafted 1.6 feet last week. Outflows at Albeni Falls are currently 22 Kcfs. The COE plans to draft to elevation 2051-2051.5 feet by approximately November 8th.

Dworshak is currently (10-30-08) at 1518.6 feet and has drafted 0.5 feet last week. Outflows at Dworshak are 1.6-2.7 Kcfs. Inflows have ranged between 1.0 and 1.3 Kcfs last week.

The Brownlee Reservoir is at an elevation of 2051.1 feet (10-30-08), and has refilled 2.1 feet last week. Outflows at Brownlee Dam have been 6.4 to 11.2 Kcfs over the last week. Inflows at Brownlee Dam have been 9.1 to 11.6 Kcfs over the last week.

Fall chinook spawning outflows began below Hells Canyon Dam on October 13th, 2008. Outflows from Hells Canyon Dam have been 9.0-9.2 Kcfs between October 13-30, 2008.

Smolt Monitoring:

Sampling continued at Lower Granite, Little Goose and Bonneville dams through October 31. Subyearling Chinook are the primary salmonid species collected in the past two weeks. Small numbers of sockeye (possibly kokanee) fry have been collected at Lower Granite Dam over the past month. The small size suggests these fish may have been flushed from Dworshak Reservoir. At Lower Granite Dam in the Snake River the daily passage indices for subyearling Chinook continue to remain relatively high for this time of year. The index averaged just under 200 per day the past two weeks compared to 300 per day the previous two weeks. PIT-tag data suggest that hatchery origin fish predominate—especially releases from Big Canyon Creek. There were over 420 detections of Big Canyon Creek releases since October 15. In addition small numbers of wild subyearling Chinook marked in the Clearwater River continue to pass the project. An unusual PIT-tag group has been showing up in the bypass at Lower Granite Dam over the past few weeks. Since the 1st of October 100 PIT-tagged yearling fall Chinook released at Lyons Ferry Hatchery on April 9 of 2008 have been detected in the bypass at Lower Granite. Based on tag information these fish apparently migrated out to below Bonneville Dam. They then returned to the Snake River beginning in September. These fish passed through the adult ladder at Lower Granite Dam and now are falling back through the bypass.

At the lower Columbia River Bonneville is the only SMP site still monitoring. At that site indices for subyearling Chinook averaged about 125 per day over the past two weeks.

Hatchery Release:

Snake River Zone: The Snake River Zone encompasses the Snake River and its tributaries from its confluence with the Columbia River to Hells Canyon Dam. All scheduled releases of juvenile salmonids to this zone for 2008 have been completed.

Mid-Columbia Zone: The Mid-Columbia Zone encompasses the area of the Columbia River and its tributaries from McNary Dam to Chief Joseph Dam. On October 29th, approximately 200,000 juvenile sockeye were released into Lake Wenatchee. Although these sockeye juveniles were released this year, they are not expected to out-migrate until spring of 2009. This was the last scheduled release of juvenile salmonids to this zone for 2008. All other releases to this zone have been completed.

Lower Columbia Zone: The Lower Columbia Zone is defined as the Columbia River and its tributaries from Bonneville Dam to McNary Dam. All scheduled releases of juvenile salmonids to this zone for 2008 have been completed.

Adult Fish Passage:

Daily counts of adult fall Chinook ranged from 91 to 232. The 2008 Bonneville Dam adult fall Chinook count of 314,391 is about 1.98 times greater than the 2007 and is approximately 88.5% of the 10 year average. The fall Chinook jack count of 39,233 is about 74.6% of the 2007 count and is about 96.6% of the 10 year average. The adult fall Chinook count total at The Dalles Dam is 170,863, about 54.3% of the Bonneville passage total to date. The 2008 Lower Granite Dam (LGR) adult fall Chinook count of 16,420 is about 1.64 times greater than the 2007 count of 9,962 and is about 1.95 times greater than the 10 year average count of 8,427. This year's LGR adult fall Chinook count of 16,420 is the largest historically recorded count. The previous high record of 14,960 of adult fall Chinook count at Lower Granite occurred in 2004. This year's count is about 1.10 times greater than the 2004 count.

As of October 30th, 355,490 steelhead had passed Bonneville Dam. The 2008 count is 1.11 times greater than the 2007 count of 320,138 and 1.04 times greater than the 10 year average of 340,423. The

2008 wild steelhead count at Bonneville Dam was 104,836 fish. The daily steelhead counts at The Dalles Dam ranged between 161 and 341 for the week with a cumulative count of 277,538. About 78% of the steelhead counted at Bonneville Dam had passed The Dalles Dam. The majority of the 221,039 steelhead at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor now at 171,663 for the season. The 2008 count Lower Granite Dam steelhead count of 165,038 was 1.11 times greater than the 2007 count and 1.17 times greater than the 10 year average. The cumulative count at Priest Rapids Dam was at 16,512 steelhead for the season.

The summer steelhead run is delineated according to dates of passage past Bonneville Dam and is made up of two components. A-run steelhead pass Bonneville Dam from the first of June through August 25th and B-run steelhead pass Bonneville from August 26th through October. The 2008 B-run adult steelhead began August 26th at Bonneville Dam and was 132,136 as of October 30th. The 2008 B-run steelhead count is 1.48 times greater than the 2007 count of 89,229 and is 1.04 times greater than the 10-year average of 127,206.

The coho salmon count at Bonneville Dam was 134,228 adults and 10,445 jacks as of October 30th. To date, the 2008 Bonneville coho adult count is about 1.50 times greater than the 2007 count of 89,244 and is about 1.31 times greater than the 10 year average of 102,257. The 2008 Bonneville coho jack count of 10,445 is about 2.62 times greater than the 2007 count of 3,990 and is about 1.67 times greater than the 10 year average count of 6,250.

Daily Average Flow and Spill (in kcfs) at Mid-Columbia Projects

	Grand Coulee		Chief Joseph		Wells		Rocky Reach		Rock Island		Wanapum		Priest Rapids	
Date	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
10/16/2008	93.6	0.0	93.0	0.0	92.7	1.4	93.3	5.7	95.2	0.0	95.1	2.1	90.0	1.0
10/17/2008	48.0	0.0	57.3	0.0	64.3	0.0	70.2	0.0	75.0	0.0	94.3	4.0	96.5	1.0
10/18/2008	42.9	0.0	35.0	0.0	38.6	0.0	37.2	0.0	37.5	0.0	60.7	1.2	59.3	0.9
10/19/2008	50.7	0.0	48.9	0.0	44.8	0.0	42.1	0.0	44.1	0.0	38.0	1.2	45.8	0.7
10/20/2008	61.0	0.0	66.4	0.0	70.3	0.0	73.4	0.0	75.0	0.0	84.3	1.3	74.2	0.5
10/21/2008	69.9	0.0	66.0	0.0	71.7	0.0	74.2	0.0	73.3	0.0	76.9	1.1	71.8	0.8
10/22/2008	74.0	0.0	73.7	0.0	69.1	0.0	63.3	0.0	63.5	0.0	76.3	1.0	76.0	0.8
10/23/2008	63.8	0.0	66.0	0.0	69.4	0.0	70.3	0.0	70.6	0.0	69.0	1.2	67.3	0.5
10/24/2008	65.6	0.0	63.9	0.0	71.7	0.0	73.5	0.0	74.8	0.0	74.9	1.3	74.2	0.7
10/25/2008	34.3	0.0	41.3	0.0	47.2	0.0	53.9	0.0	55.1	0.0	55.6	1.4	53.3	0.3
10/26/2008	49.2	0.0	40.4	0.0	47.1	0.0	42.2	0.0	44.2	0.0	61.3	1.2	53.7	0.7
10/27/2008	83.5	0.0	85.3	0.0	72.0	0.0	67.2	0.0	66.6	0.0	68.4	1.0	69.6	0.6
10/28/2008	85.3	0.0	84.9	0.0	86.6	0.0	87.5	0.0	88.7	0.0	69.1	1.5	69.4	0.3
10/29/2008	75.2	0.0	74.3	0.0	76.5	0.0	75.9	0.0	75.8	0.0	84.7	1.7	74.4	0.6

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

	Dworshak		Brownlee	Hells Canyon	Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
Date	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
10/16/2008	1.6	0.0	12.6	9.1	17.4	0.0	16.5	0.0	16.3	0.0	15.6	0.0
10/17/2008	1.6	0.0	11.9	9.0	18.4	0.0	17.5	0.0	17.8	0.0	18.1	0.0
10/18/2008	1.6	0.0	11.5	9.0	17.8	0.0	13.6	0.0	12.4	0.0	11.9	0.0
10/19/2008	1.6	0.0	11.7	9.1	20.6	0.0	20.7	0.0	21.8	0.0	22.3	0.0
10/20/2008	1.6	0.0	11.6	9.1	19.6	0.0	18.8	0.0	20.5	0.0	21.4	0.0
10/21/2008	1.6	0.0	10.8	9.1	24.5	0.0	27.5	0.0	28.5	0.0	28.9	0.0
10/22/2008	1.6	0.0	10.8	9.1	18.6	0.0	26.6	0.0	25.1	0.0	26.8	0.0
10/23/2008	1.6	0.0	10.5	9.0	18.8	0.0	16.9	0.0	21.9	0.0	21.2	0.0
10/24/2008	1.6	0.0	11.6	9.0	19.2	0.0	20.1	0.0	22.3	0.0	20.9	0.0
10/25/2008	1.6	0.0	9.1	9.1	17.4	0.0	15.6	0.0	14.0	5.3	15.3	0.0
10/26/2008	1.6	0.0	11.0	9.1	16.5	0.0	15.8	0.0	11.7	6.1	14.0	0.0
10/27/2008	1.6	0.0	11.0	9.1	16.2	0.0	14.0	0.0	11.8	6.2	15.5	0.0
10/28/2008	1.6	0.0	10.5	9.0	15.8	0.0	14.8	0.0	11.9	6.2	18.5	0.0
10/29/2008	1.6	0.0	---	---	15.5	0.0	15.4	0.0	11.9	6.2	14.8	0.0

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

	McNary		John Day		The Dalles				Bonneville	
Date	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	PH1	PH2
10/16/2008	86.6	0.0	89.4	0.7	87.0	0.0	96.7	1.2	20.1	68.2
10/17/2008	109.5	0.0	102.1	0.7	104.3	0.0	107.6	1.2	28.1	71.1
10/18/2008	90.7	0.0	92.4	0.7	94.4	0.0	102.4	1.2	23.0	71.0
10/19/2008	76.2	0.0	79.9	0.7	82.9	0.0	95.3	1.2	18.0	68.9
10/20/2008	96.0	0.0	88.3	0.6	89.8	0.0	97.5	1.2	38.0	51.1
10/21/2008	105.9	0.0	111.6	0.7	113.0	0.0	116.7	1.2	46.6	61.6
10/22/2008	100.3	0.0	106.0	0.7	109.0	0.0	125.2	1.2	58.6	58.2
10/23/2008	90.4	0.0	93.4	0.7	95.0	0.0	100.4	1.3	14.4	77.6
10/24/2008	85.9	0.0	87.2	0.8	89.6	0.0	97.0	1.2	2.7	85.9
10/25/2008	83.1	0.0	78.6	0.7	79.7	0.0	87.4	1.2	1.9	77.1
10/26/2008	68.8	0.0	70.8	0.7	72.2	0.0	83.9	1.2	0.0	75.5
10/27/2008	81.7	0.0	93.3	0.8	97.6	0.0	105.0	1.2	17.9	78.7
10/28/2008	89.9	0.0	89.6	0.7	96.5	0.0	99.8	1.1	12.0	79.4
10/29/2008	86.0	0.0	90.7	0.7	90.4	0.0	99.6	1.2	9.3	81.9

Hatchery Releases Last Two Weeks

Hatchery Release Summary
From: 10/17/2008 to 10/30/08

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	SO	UN	2009	200,000	10-29-08	10-29-08	Lake Wenatchee	Wenatchee River
Washington Dept. of Fish and Wildlife Total					**200,000**				
Grand Total					**200,000**				

CH = Chinook, ST = Steelhead, CO = Coho, SO = Sockeye, CT = Cutthroat Trout, CM = Chum

Hatchery Releases Next Two Weeks

There are no Hatchery Releases scheduled for the next 2 weeks

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

	Hungry H. Dnst				Boundary				Grand Coulee				Grand C. Tlwr				Chief Joseph			
	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr
10/17	97	98	98	24	102	102	103	21	99	99	100	24	97	97	98	21	---	---	---	0
10/18	98	98	98	24	102	102	103	23	99	99	100	24	97	98	100	23	---	---	---	0
10/19	97	97	98	24	101	102	103	23	99	99	99	24	97	98	100	23	---	---	---	0
10/20	98	98	98	24	102	102	103	24	99	99	100	24	97	98	100	24	---	---	---	0
10/21	97	97	98	24	101	101	102	23	98	98	99	24	96	97	98	23	---	---	---	0
10/22	96	96	97	24	100	101	102	23	97	98	98	24	96	97	98	23	---	---	---	0
10/23	97	98	98	24	101	102	103	23	98	99	99	24	97	97	99	23	---	---	---	0
10/24	98	98	98	24	101	101	102	22	98	98	99	24	97	97	98	22	---	---	---	0
10/25	97	98	98	24	101	101	103	21	98	98	99	24	97	97	98	21	---	---	---	0
10/26	96	96	97	24	100	100	101	23	97	97	98	24	96	97	98	23	---	---	---	0
10/27	96	96	97	24	100	101	101	23	98	98	98	24	97	97	98	23	---	---	---	0
10/28	97	97	97	24	100	101	101	17	98	98	98	24	97	97	97	17	---	---	---	0
10/29	98	98	98	24	101	101	102	22	99	99	99	24	98	98	99	22	---	---	---	0
10/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

	Chief J. Dnst				Wells				Wells Dwnstrm				Rocky Reach				Rocky R. Tlwr			
Date	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr
10/17	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/18	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/19	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/20	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/21	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/22	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/29	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation at Mid Columbia River Sites

	Rock Island				Rock I. Tlwr				Wanapum				Wanapum Tlwr				Priest Rapids			
Date	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr
10/17	99	99	100	24	99	100	100	24	97	97	98	24	100	100	101	24	99	100	100	24
10/18	99	99	100	24	100	100	100	24	97	97	98	24	99	100	100	24	100	101	102	24
10/19	99	99	99	24	99	99	100	24	97	97	97	2	99	99	100	2	98	98	98	2
10/20	99	100	100	24	100	100	100	24	97	98	99	19	100	100	101	18	99	99	99	19
10/21	98	98	99	24	98	98	99	24	97	97	97	24	98	99	100	24	97	98	98	24
10/22	98	98	99	24	98	98	99	24	96	97	98	19	98	99	99	24	98	99	99	24
10/23	99	99	99	24	99	99	99	24	98	98	98	24	99	99	100	24	99	99	100	24
10/24	99	99	99	24	99	99	99	24	96	96	97	24	98	99	99	24	99	99	100	24
10/25	98	99	99	24	99	99	99	24	97	97	98	24	98	99	99	24	98	98	99	24
10/26	98	98	98	24	98	98	98	24	95	96	96	24	98	98	99	24	98	98	98	24
10/27	98	98	98	24	98	98	99	24	96	97	98	24	98	98	99	24	98	98	99	24
10/28	98	99	99	24	99	99	99	24	96	97	98	24	98	99	99	24	98	99	99	24
10/29	99	99	99	9	99	99	99	9	96	97	98	24	99	99	99	24	99	99	100	24
10/30	---	---	---	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

	Priest R. Dnst				Pasco				Dworshak				Clrwtr-Peck				Anatone			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
10/17	101	102	103	24	---	---	---	0	104	104	105	24	---	---	---	0	---	---	---	0
10/18	102	102	102	24	---	---	---	0	102	103	103	24	---	---	---	0	---	---	---	0
10/19	101	101	101	2	---	---	---	0	101	102	102	24	---	---	---	0	---	---	---	0
10/20	100	101	102	18	---	---	---	0	102	102	102	24	---	---	---	0	---	---	---	0
10/21	99	100	100	24	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
10/22	100	100	101	24	---	---	---	0	100	101	101	24	---	---	---	0	---	---	---	0
10/23	100	101	101	24	---	---	---	0	101	102	102	24	---	---	---	0	---	---	---	0
10/24	100	101	101	24	---	---	---	0	101	101	102	24	---	---	---	0	---	---	---	0
10/25	100	100	100	24	---	---	---	0	102	102	102	24	---	---	---	0	---	---	---	0
10/26	100	100	101	24	---	---	---	0	102	102	103	24	---	---	---	0	---	---	---	0
10/27	100	100	101	24	---	---	---	0	102	102	103	24	---	---	---	0	---	---	---	0
10/28	100	100	100	24	---	---	---	0	100	101	101	24	---	---	---	0	---	---	---	0
10/29	100	101	101	24	---	---	---	0	100	100	100	24	---	---	---	0	---	---	---	0
10/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Snake River Sites

	Clrwtr-Lewiston				Lower Granite				L. Granite Tlwr				Little Goose				L. Goose Tlwr			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
10/17	---	---	---	0	---	---	---	0	97	97	98	24	---	---	---	0	95	96	96	16
10/18	---	---	---	0	---	---	---	0	97	97	97	24	---	---	---	0	95	96	96	24
10/19	---	---	---	0	---	---	---	0	97	98	99	24	---	---	---	0	95	95	96	12
10/20	---	---	---	0	---	---	---	0	98	98	99	24	---	---	---	0	95	95	96	18
10/21	---	---	---	0	---	---	---	0	97	97	97	24	---	---	---	0	---	---	---	0
10/22	---	---	---	0	---	---	---	0	97	97	98	24	---	---	---	0	95	95	96	2
10/23	---	---	---	0	---	---	---	0	97	98	98	24	---	---	---	0	95	95	96	9
10/24	---	---	---	0	---	---	---	0	97	98	98	24	---	---	---	0	95	95	95	1
10/25	---	---	---	0	---	---	---	0	97	97	98	24	---	---	---	0	---	---	---	0
10/26	---	---	---	0	---	---	---	0	97	97	97	24	---	---	---	0	---	---	---	0
10/27	---	---	---	0	---	---	---	0	97	97	98	24	---	---	---	0	95	95	96	8
10/28	---	---	---	0	---	---	---	0	97	98	98	24	---	---	---	0	95	95	95	8
10/29	---	---	---	0	---	---	---	0	98	98	99	24	---	---	---	0	96	96	96	23
10/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

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

	Lower Mon.				L. Mon. Tlwr				Ice Harbor				Ice Harbor Tlwr				McNary-Oregon			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
10/17	---	---	---	0	96	96	96	22	---	---	---	0	97	98	99	24	---	---	---	0
10/18	---	---	---	0	96	96	96	24	---	---	---	0	98	98	98	24	---	---	---	0
10/19	---	---	---	0	95	96	96	23	---	---	---	0	98	98	99	24	---	---	---	0
10/20	---	---	---	0	96	96	96	23	---	---	---	0	97	98	98	24	---	---	---	0
10/21	---	---	---	0	95	95	95	1	---	---	---	0	96	96	96	24	---	---	---	0
10/22	---	---	---	0	95	95	96	12	---	---	---	0	96	96	97	23	---	---	---	0
10/23	---	---	---	0	96	96	97	24	---	---	---	0	97	97	98	24	---	---	---	0
10/24	---	---	---	0	95	96	96	22	---	---	---	0	96	97	98	24	---	---	---	0
10/25	---	---	---	0	106	111	111	21	---	---	---	0	95	95	96	8	---	---	---	0
10/26	---	---	---	0	111	112	113	24	---	---	---	0	---	---	---	0	---	---	---	0
10/27	---	---	---	0	111	112	114	24	---	---	---	0	---	---	---	0	---	---	---	0
10/28	---	---	---	0	111	111	111	24	---	---	---	0	96	96	97	24	---	---	---	0
10/29	---	---	---	0	111	111	112	24	---	---	---	0	97	97	98	24	---	---	---	0
10/30	---	---	---	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 River Sites

	McNary-Wash				McNary Tlwr				John Day				John Day Tlwr				The Dalles			
	24 h	12 h		#	24 h	12 h		#	24h	12h		#	24h	12h		#	24h	12h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
10/17	---	---	---	0	99	100	100	24	---	---	---	0	99	99	100	24	---	---	---	0
10/18	---	---	---	0	100	100	100	24	---	---	---	0	99	100	100	24	---	---	---	0
10/19	---	---	---	0	99	100	100	24	---	---	---	0	99	99	99	24	---	---	---	0
10/20	---	---	---	0	99	100	100	24	---	---	---	0	98	99	99	24	---	---	---	0
10/21	---	---	---	0	98	98	98	24	---	---	---	0	97	97	98	24	---	---	---	0
10/22	---	---	---	0	98	99	99	24	---	---	---	0	98	99	99	24	---	---	---	0
10/23	---	---	---	0	98	99	99	24	---	---	---	0	98	98	99	24	---	---	---	0
10/24	---	---	---	0	98	98	99	24	---	---	---	0	99	99	100	24	---	---	---	0
10/25	---	---	---	0	98	98	98	24	---	---	---	0	99	99	100	24	---	---	---	0
10/26	---	---	---	0	97	98	98	24	---	---	---	0	99	100	100	24	---	---	---	0
10/27	---	---	---	0	98	98	98	24	---	---	---	0	99	100	101	24	---	---	---	0
10/28	---	---	---	0	98	98	98	24	---	---	---	0	99	99	100	24	---	---	---	0
10/29	---	---	---	0	99	99	99	24	---	---	---	0	99	99	99	24	---	---	---	0
10/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

	The Dalles Dnst				Bonneville				Warrendale				Camas\Washougal				Cascade Island			
	24 h	12 h		#	24 h	12 h		#	24h	12h		#	24h	12h		#	24h	12h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
10/17	100	101	101	24	---	---	---	0	103	103	104	24	---	---	---	0	116	119	121	24
10/18	101	101	101	24	---	---	---	0	102	102	103	24	---	---	---	0	115	119	121	24
10/19	100	101	101	24	---	---	---	0	102	103	104	24	---	---	---	0	115	118	121	24
10/20	99	101	101	24	---	---	---	0	102	102	103	24	---	---	---	0	115	118	122	24
10/21	97	97	98	24	---	---	---	0	100	101	101	24	---	---	---	0	116	117	120	14
10/22	98	98	99	24	---	---	---	0	101	101	102	24	---	---	---	0	---	---	---	0
10/23	100	100	100	24	---	---	---	0	101	101	102	24	---	---	---	0	---	---	---	0
10/24	100	100	100	24	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
10/25	100	100	100	24	---	---	---	0	100	101	102	24	---	---	---	0	---	---	---	0
10/26	100	100	101	24	---	---	---	0	100	100	101	24	---	---	---	0	---	---	---	0
10/27	100	100	101	24	---	---	---	0	101	101	102	24	---	---	---	0	---	---	---	0
10/28	99	100	100	24	---	---	---	0	101	102	103	24	---	---	---	0	---	---	---	0
10/29	101	101	101	24	---	---	---	0	102	103	103	24	---	---	---	0	---	---	---	0
10/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Two-Week Summary of Passage Indices

Source: Fish Passage Center Updated: 10/31/2008 8:35

Two-Week Summary of Passage Indices

* One or more of the sites on this date had an incomplete or biased sample.
See Sampling Comments: http://www.fpc.org/currentDaily/smpcomments.htm
For clip information see: http://www.fpc.org/CurrentDaily/catch.htm
For sockeye and yearling chinook (Snake only) race information see: http://www.fpc.org/smoltqueries/currentsmpsubmitdata.asp

COMBINED YEARLING CHINOOK

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/17/2008	---	---	---	---	0	0	---	---	---	---	0
10/18/2008	---	---	---	---	0	0	---	---	---	---	0
10/19/2008	---	---	---	---	0	0	---	---	---	---	0
10/20/2008	---	---	---	---	0	0	---	---	---	---	0
10/21/2008	---	---	---	---	0	2	---	---	---	---	0
10/22/2008	---	---	---	---	0	0	---	---	---	---	0
10/23/2008	---	---	---	---	1	0	---	---	---	---	0
10/24/2008	---	---	---	---	1	2	---	---	---	---	0
10/25/2008	---	---	---	---	1	0	---	---	---	---	0
10/26/2008	---	---	---	---	0	0	---	---	---	---	0
10/27/2008	---	---	---	---	0	0	---	---	---	---	0
10/28/2008	---	---	---	---	1	0	---	---	---	---	0
10/29/2008	---	---	---	---	1	0	---	---	---	---	0
10/30/2008	---	---	---	---	0	0	---	---	---	---	0
10/31/2008	---	---	---	---	---	---	---	---	---	---	---
Total:	**0**	**0**	**0**	**0**	**5**	**4**	**0**	**0**	**0**	**0**	**0**
# Days:	**0**	**0**	**0**	**0**	**14**	**14**	**0**	**0**	**0**	**0**	**14**
Average:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
YTD	**56,037**	**78,597**	**19,672**	**13,632**	**3,584,888**	**2,743,420**	**1,971,520**	**22,434**	**1,360,627**	**1,694,104**	**1,291,085**

COMBINED SUBYEARLING CHINOOK

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/17/2008	---	---	---	---	105	50	---	---	---	---	170
10/18/2008	---	---	---	---	287	76	---	---	---	---	164
10/19/2008	---	---	---	---	293	88	---	---	---	---	151
10/20/2008	---	---	---	---	175	77	---	---	---	---	81
10/21/2008	---	---	---	---	160	194	---	---	---	---	107
10/22/2008	---	---	---	---	193	582	---	---	---	---	168
10/23/2008	---	---	---	---	217	539	---	---	---	---	241
10/24/2008	---	---	---	---	199	534	---	---	---	---	157
10/25/2008	---	---	---	---	226	188	---	---	---	---	96
10/26/2008	---	---	---	---	178	116	---	---	---	---	63
10/27/2008	---	---	---	---	116	95	---	---	---	---	88
10/28/2008	---	---	---	---	148	59	---	---	---	---	142
10/29/2008	---	---	---	---	175	52	---	---	---	---	74
10/30/2008	---	---	---	---	138	62	---	---	---	---	45
10/31/2008	---	---	---	---	---	---	---	---	---	---	---
Total:	**0**	**0**	**0**	**0**	**2,610**	**2,712**	**0**	**0**	**0**	**0**	**1,747**
# Days:	**0**	**0**	**0**	**0**	**14**	**14**	**0**	**0**	**0**	**0**	**14**
Average:	**0**	**0**	**0**	**0**	**186**	**194**	**0**	**0**	**0**	**0**	**125**
YTD	**0**	**0**	**2**	**119**	**754,346**	**1,138,070**	**332,381**	**16,069**	**2,410,658**	**1,780,674**	**3,769,220**

Two-Week Summary of Passage Indices

COMBINED COHO

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/17/2008	---	---	---	---	0	0	---	---	---	---	0
10/18/2008	---	---	---	---	0	0	---	---	---	---	0
10/19/2008	---	---	---	---	0	0	---	---	---	---	0
10/20/2008	---	---	---	---	0	0	---	---	---	---	0
10/21/2008	---	---	---	---	0	0	---	---	---	---	0
10/22/2008	---	---	---	---	0	0	---	---	---	---	0
10/23/2008	---	---	---	---	0	1	---	---	---	---	0
10/24/2008	---	---	---	---	0	0	---	---	---	---	0
10/25/2008	---	---	---	---	0	0	---	---	---	---	0
10/26/2008	---	---	---	---	0	0	---	---	---	---	0
10/27/2008	---	---	---	---	0	0	---	---	---	---	0
10/28/2008	---	---	---	---	0	0	---	---	---	---	0
10/29/2008	---	---	---	---	0	0	---	---	---	---	0
10/30/2008	---	---	---	---	0	0	---	---	---	---	0
10/31/2008	---	---	---	---	---	---	---	---	---	---	---
Total:	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**
# Days:	**0**	**0**	**0**	**0**	**14**	**14**	**0**	**0**	**0**	**0**	**14**
Average:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
YTD	**0**	**0**	**0**	**326**	**109,022**	**166,111**	**142,692**	**52,278**	**169,484**	**362,537**	**358,756**

COMBINED STEELHEAD

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/17/2008	---	---	---	---	2	0	---	---	---	---	0
10/18/2008	---	---	---	---	1	0	---	---	---	---	0
10/19/2008	---	---	---	---	0	0	---	---	---	---	0
10/20/2008	---	---	---	---	0	1	---	---	---	---	0
10/21/2008	---	---	---	---	1	0	---	---	---	---	0
10/22/2008	---	---	---	---	0	0	---	---	---	---	0
10/23/2008	---	---	---	---	0	0	---	---	---	---	0
10/24/2008	---	---	---	---	0	0	---	---	---	---	0
10/25/2008	---	---	---	---	0	0	---	---	---	---	0
10/26/2008	---	---	---	---	0	0	---	---	---	---	0
10/27/2008	---	---	---	---	0	0	---	---	---	---	0
10/28/2008	---	---	---	---	0	0	---	---	---	---	0
10/29/2008	---	---	---	---	0	0	---	---	---	---	0
10/30/2008	---	---	---	---	2	0	---	---	---	---	0
10/31/2008	---	---	---	---	---	---	---	---	---	---	---
Total:	**0**	**0**	**0**	**0**	**6**	**1**	**0**	**0**	**0**	**0**	**0**
# Days:	**0**	**0**	**0**	**0**	**14**	**14**	**0**	**0**	**0**	**0**	**14**
Average:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
YTD	**4,565**	**22,292**	**5,891**	**10,708**	**3,444,119**	**3,694,322**	**1,546,176**	**22,780**	**507,334**	**1,132,951**	**450,277**

Two-Week Summary of Passage Indices

				COMBINED SOCKEYE								
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
10/17/2008		---	---	---	---	13	0	---	---	---	---	0
10/18/2008		---	---	---	---	10	1	---	---	---	---	0
10/19/2008		---	---	---	---	14	0	---	---	---	---	0
10/20/2008		---	---	---	---	22	2	---	---	---	---	0
10/21/2008		---	---	---	---	23	1	---	---	---	---	0
10/22/2008		---	---	---	---	7	2	---	---	---	---	0
10/23/2008		---	---	---	---	9	2	---	---	---	---	0
10/24/2008		---	---	---	---	12	6	---	---	---	---	0
10/25/2008		---	---	---	---	14	0	---	---	---	---	0
10/26/2008		---	---	---	---	21	0	---	---	---	---	0
10/27/2008		---	---	---	---	3	2	---	---	---	---	0
10/28/2008		---	---	---	---	16	0	---	---	---	---	0
10/29/2008		---	---	---	---	8	0	---	---	---	---	0
10/30/2008		---	---	---	---	8	1	---	---	---	---	0
10/31/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**180**	**17**	**0**	**0**	**0**	**0**	**0**
# Days:		**0**	**0**	**0**	**0**	**14**	**14**	**0**	**0**	**0**	**0**	**14**
Average:		**0**	**0**	**0**	**0**	**13**	**1**	**0**	**0**	**0**	**0**	**0**
YTD		**37**	**0**	**0**	**111**	**28,544**	**36,724**	**45,483**	**38,965**	**223,005**	**331,945**	**145,402**

* 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
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)}

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.

Two Week Transportation Summary

Source: Fish Passage Center Updated: 10/31/08 8:35 AM

10/17/08 TO 10/31/08

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	2,610	5		180	6	2,801
	Sum of NumberBarged	0	0		0	0	0
	Sum of NumberBypassed	893	0		0	0	893
	Sum of Numbertrucked	1,705	5		164	6	1,880
	Sum of SampleMorts	12	0		16	0	28
	Sum of FacilityMorts	0	0		0	0	0
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	12	0		16	0	28
LGS	Sum of NumberCollected	2,712	4	1	17	1	2,735
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of Numbertrucked	2,687	4	1	16	1	2,709
	Sum of SampleMorts	19	0	0	1	0	20
	Sum of FacilityMorts	6	0	0	0	0	6
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	25	0	0	1	0	26
Total Sum of NumberCollected		5,322	9	1	197	7	5,536
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		893	0	0	0	0	893
Total Sum of Numbertrucked		4,392	9	1	180	7	4,589
Total Sum of SampleMorts		31	0	0	17	0	48
Total Sum of FacilityMorts		6	0	0	0	0	6
Total Sum of ResearchMorts		0	0	0	0	0	0
Total Sum of TotalProjectMorts		37	0	0	17	0	54

YTD Transportation Summary

Source: Fish Passage Center Updated: 10/31/08 8:35 AM

TO: 10/31/08

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	434,211	2,398,662	68,833	14,270	2,165,444	5,081,420
	Sum of NumberBarged	401,738	1,966,900	66,905	12,865	1,786,609	4,235,017
	Sum of NumberBypassed	9,215	425,949	1,849	452	377,931	815,396
	Sum of NumberTrucked	15,738	29	33	765	34	16,599
	Sum of SampleMorts	572	154	2	150	52	930
	Sum of FacilityMorts	1,685	2,841	44	38	818	5,426
	Sum of ResearchMorts	5,263	2,789	0	0	0	8,052
	Sum of TotalProjectMorts	7,520	5,784	46	188	870	14,408
LGS	Sum of NumberCollected	752,783	1,706,954	95,880	21,941	2,309,437	4,886,995
	Sum of NumberBarged	728,067	1,314,157	93,092	21,716	1,590,212	3,747,244
	Sum of NumberBypassed	5,428	389,296	2,765	73	718,741	1,116,303
	Sum of NumberTrucked	17,275	8	18	114	12	17,427
	Sum of SampleMorts	237	40	1	9	14	301
	Sum of FacilityMorts	1,776	3,453	4	28	458	5,719
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	2,013	3,493	5	37	472	6,020
LMN	Sum of NumberCollected	242,135	1,216,522	83,198	28,107	957,130	2,527,092
	Sum of NumberBarged	237,235	276,438	9,246	10,128	230,248	763,295
	Sum of NumberBypassed	2,243	940,234	73,949	17,975	726,648	1,761,049
	Sum of NumberTrucked	2,182	4	0	3	5	2,194
	Sum of SampleMorts	97	39	0	0	22	158
	Sum of FacilityMorts	378	798	3	1	207	1,387
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	475	837	3	1	229	1,545
MCN	Sum of NumberCollected	1,184,811	752,385	78,675	102,310	276,935	2,395,116
	Sum of NumberBarged	349,594	164	50	120	55	349,983
	Sum of NumberBypassed	750,490	751,376	78,558	102,005	276,615	1,959,044
	Sum of NumberTrucked	75,708	11	5	36	0	75,760
	Sum of SampleMorts	557	112	3	23	25	720
	Sum of FacilityMorts	8,375	658	56	121	218	9,428
	Sum of ResearchMorts	87	64	3	5	22	181
	Sum of TotalProjectMorts	9,019	834	62	149	265	10,329
Total Sum of NumberCollected		2,613,940	6,074,523	326,586	166,628	5,708,946	14,890,623
Total Sum of NumberBarged		1,716,634	3,557,659	169,293	44,829	3,607,124	9,095,539
Total Sum of NumberBypassed		767,376	2,506,855	157,121	120,505	2,099,935	5,651,792
Total Sum of NumberTrucked		110,903	52	56	918	51	111,980
Total Sum of SampleMorts		1,463	345	6	182	113	2,109
Total Sum of FacilityMorts		12,214	7,750	107	188	1,701	21,960
Total Sum of ResearchMorts		5,350	2,853	3	5	22	8,233
Total Sum of TotalProjectMorts		19,027	10,948	116	375	1,836	32,302

Cumulative Adult Passage at Mainstem Dams Through: 10/30

		Spring Chinook						Summer Chinook						Fall Chinook					
		2008		2007		10-Yr Avg.		2008		2007		10-Yr Avg.		2008		2007		10-Yr Avg.	
DAM	EndDate	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	**10/30**	**125545**	**17552**	**67482**	**16860**	**151523**	**9831**	**78271**	**11621**	**47412**	**13539**	**71262**	**9127**	**314391**	**39233**	**158628**	**52587**	**355105**	**40627**
TDA	**10/30**	**95440**	**15801**	**53524**	**15567**	**106828**	**7522**	**65073**	**12206**	**40123**	**11318**	**61862**	**6875**	**170863**	**38282**	**93251**	**38306**	**188666**	**31002**
JDA	**10/30**	**81771**	**14925**	**44005**	**13864**	**89148**	**6122**	**63649**	**13680**	**35773**	**11582**	**57243**	**6930**	**136638**	**32174**	**73159**	**35849**	**139369**	**26916**
MCN	**10/30**	**68085**	**12133**	**39497**	**12393**	**82136**	**6227**	**54735**	**11239**	**32393**	**9386**	**55163**	**6274**	**101820**	**19918**	**57102**	**27930**	**108932**	**21288**
IHR	**10/28**	**53142**	**7757**	**28380**	**7371**	**54980**	**3897**	**23693**	**4964**	**7714**	**2523**	**11420**	**2100**	**21896**	**11531**	**13360**	**9725**	**12575**	**7544**
LMN	**10/30**	**54512**	**6885**	**28397**	**7102**	**52688**	**3599**	**27345**	**2890**	**11452**	**1419**	**11417**	**1651**	**20914**	**10454**	**16017**	**8817**	**11582**	**6602**
LGS	**10/29**	**50401**	**7805**	**23960**	**7227**	**50024**	**3685**	**21748**	**4811**	**7898**	**2861**	**9497**	**2073**	**18122**	**6018**	**10393**	**7992**	**9563**	**4942**
LGR	**10/29**	**50146**	**10946**	**22905**	**9085**	**50643**	**4197**	**22612**	**5072**	**7312**	**3285**	**9346**	**2279**	**16420**	**9997**	**9962**	**9654**	**8427**	**5957**
PRD	**10/26**	**12173**	**620**	**6708**	**489**	**17360**	**563**	**39305**	**3355**	**30644**	**1088**	**50486**	**2111**	**32170**	**14173**	**21909**	**4325**	**27628**	**3381**
RIS	**10/29**	**12490**	**1119**	**5572**	**2066**	**13979**	**962**	**38171**	**3096**	**28222**	**6200**	**47383**	**5323**	**8022**	**3662**	**3694**	**1655**	**9901**	**2176**
RRH	**10/29**	**4065**	**371**	**2424**	**920**	**5404**	**397**	**29675**	**2127**	**21657**	**5110**	**35386**	**3711**	**7250**	**3646**	**2885**	**1368**	**6281**	**1785**
WEL	**10/29**	**2708**	**426**	**2041**	**752**	**3980**	**281**	**21060**	**1373**	**13244**	**3573**	**25854**	**1953**	**3509**	**2408**	**1539**	**1006**	**3635**	**1054**
WFA	**10/24**	**14219**	**525**	**22818**	**280**	**-**	**-**	**0**	**0**	**0**	**0**	**-**	**-**	**2440**	**1048**	**156**	**18**	**-**	**-**

	Coho						Sockeye			Steelhead			
	2008		2007		10-Yr Avg.				10-Yr			10-Yr	Wild 2008
DAM	Adult	Jack	Adult	Jack	Adult	Jack	2008	2007	Avg.	2008	2007	Avg.	
BON	**134228**	**10445**	**89244**	**3990**	**102257**	**6250**	**213607**	**24376**	**58551**	**355490**	**320138**	**340423**	**104836**
TDA	**37962**	**4695**	**30643**	**2086**	**29157**	**2319**	**177984**	**19124**	**49462**	**277538**	**241769**	**259494**	**78827**
JDA	**39944**	**4920**	**32994**	**6207**	**25535**	**2984**	**193409**	**24277**	**54064**	**276864**	**226906**	**259234**	**82733**
MCN	**18705**	**3038**	**20190**	**2365**	**13426**	**1153**	**146924**	**18175**	**45006**	**221039**	**208566**	**203343**	**58661**
IHR	**2872**	**114**	**1970**	**154**	**1108**	**46**	**539**	**55**	**34**	**171663**	**152327**	**150864**	**41830**
LMN	**4132**	**370**	**2078**	**139**	**1077**	**63**	**722**	**44**	**33**	**185806**	**153537**	**147624**	**48191**
LGS	**3425**	**362**	**1930**	**178**	**895**	**34**	**594**	**37**	**37**	**167564**	**134060**	**135937**	**38900**
LGR	**3405**	**1273**	**2394**	**251**	**1139**	**86**	**907**	**52**	**42**	**165038**	**145083**	**140937**	**41083**
PRD	**5128**	**416**	**10226**	**768**	**3084**	**353**	**192217**	**24645**	**56270**	**16512**	**14948**	**14301**	**0**
RIS	**6271**	**1604**	**15304**	**515**	**4859**	**26**	**193739**	**25122**	**52570**	**16166**	**13092**	**13561**	**6157**
RRH	**2565**	**749**	**4043**	**91**	**984**	**0**	**161343**	**20683**	**36855**	**13253**	**9941**	**10483**	**4460**
WEL	**723**	**5**	**1731**	**0**	**309**	**0**	**165334**	**22273**	**36826**	**8741**	**7233**	**7810**	**3445**
WFA	**3591**	**2801**	**976**	**149**	**-**	**-**	**0**	**0**	**-**	**18698**	**19015**	**-**	**-**

BON and LGR have switched to video counts so the data is delayed.
*PRD is not posting wild steelhead numbers.
These numbers were collected from USACE, Grant PUD, Douglas PUD, Chelan PUD, ODFW and DART.
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: 10/31/08

BON counts from January 1, 2008 to March 14, 2008 (our traditional counts begin March 15):

Year	Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
2008	42	0	578	278
2007	22	0	1,677	517