



Fish Passage Center

Weekly Report #08 - 30

October 3, 2008

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 11% and 108% of average at individual sub-basins over September. Precipitation above The Dalles has been 67% of average over September. Over the entire water year, precipitation has generally been near average.

Table 1. Summary of September 1-22 precipitation and cumulative October through September precipitation with respect to average (1971-2000), at select locations within the Columbia and Snake River Basins.

Location	Water Year 2008 September 1-22		Water Year 2008 October 1, 2007 to September 22, 2008	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.94	79	24.72	98
Snake River Above Ice Harbor	0.54	70	16.54	94
Columbia Above The Dalles	0.64	67	22.21	96
Kootenai	0.85	71	23.10	90
Clark Fork	0.84	94	18.59	106
Flathead	1.29	108	23.26	100
Pend Oreille/ Spokane	0.98	89	31.04	100
Central Washington	0.09	27	6.26	69
Snake River Plain	0.27	43	8.52	75
Salmon/Boise/ Payette	0.73	97	19.47	98
Clearwater	0.91	74	30.65	100
SW Washington Cascades/ Cowlitz	0.55	24	64.49	91
Willamette Valley	0.17	11	58.76	99

Grand Coulee is currently at 1284.1 feet (10-2-08) and refilled 0.7 feet last week. Outflows have ranged between 39.7 and 72.1 Kcfs over the last week. Inflows last week have ranged between 63.2 Kcfs and 73.1 Kcfs.

The Libby Reservoir is currently (10-2-08) at an elevation of 2440.8 feet, holding steady last week. Inflows at Libby have ranged between 4.7 Kcfs and 6.2 Kcfs over the last week. Outflows at Libby are currently 4.7 Kcfs.

Hungry Horse is currently at an elevation of 3532.4 ft (10-2-08), and has drafted 1.1 feet last week. Outflows at Hungry Horse have ranged between at 2.1-4.1 Kcfs; inflows have ranged between 0.2 Kcfs and 1.7 Kcfs last week.

Albeni Falls is at an elevation of 2060.6 feet (10-2-08) and drafted 0.6 feet last week. The fall draft of Albeni Falls was discussed at the October 1, 2008 TMT Meeting. The COE increased outflows to 27 Kcfs on 10-2-08 and plans to draft to elevation 2054 feet by the end of October. The COE plans to further draft Albeni Falls to elevation 2051 feet by mid November (date to be determined).

Dworshak is currently (10-2-08) at 1519.7 feet and has drafted 0.6 feet last week. Outflows at Dworshak are 1.6 Kcfs. Inflows have ranged between 0.9 and 1.4 Kcfs last week.

The Brownlee Reservoir is at an elevation of 2044.4 feet (October 2nd, 2008), and has drafted 2.4 feet last week. Outflows at Brownlee Dam have been 8.5 to 16.5 Kcfs over the last week. Inflows at Brownlee Dam have been 8.8 to 16.4 Kcfs over the last week.

Smolt Monitoring:

Sampling ended September 30 at Lower Monumental Dam. Sampling continues at Lower Granite, Little Goose and Bonneville dams. Subyearling Chinook are the primary salmonid species that continue to be collected at present. 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 rose over the past week. The index averaged about 550 per day this past week compared to 140 per day the previous week. PIT-tag data suggest that hatchery origin fish predominate—especially releases from Big Canyon Creek. There were over 800 detections of Big Canyon Creek releases since September 20. In addition to fish released above Lower Granite, there were also 37 PIT-tagged minijacks--fish directly released from Lyons Ferry Hatchery on April 9, 2008, migrated up river from Bonneville in September and passed Lower Granite Dam. Those 37 fish then fell back and were detected in the juvenile bypass. Since September 20 over 110 of these minijack tagged fish have been detected in the adult ladder at Lower Granite Dam.

At the lower Columbia River Bonneville is the only SMP site still monitoring. At that site indices for subyearling Chinook averaged about 180 per day this week compared to 160 per day last week.

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. Beginning in early October, approximately 120,000 sockeye pre-smolts were scheduled for release into the Sawtooth-Stanley Basin. Of these, about 66% were to be released into Redfish Lake while 17% were to be released Pettit and Alturas lakes, each. These pre-smolts are not expected to out-migrate until spring 2009. In addition, approximately 225,000 unclipped spring Chinook pre-smolts are scheduled for release onto the Clearwater River, beginning next week. As with the sockeye pre-smolts, these juveniles are not expected to out-migrate until spring 2009. There are no other scheduled releases of salmonid juveniles to this zone over the next two weeks.

Mid-Columbia Zone: The Mid-Columbia Zone encompasses the area of the Columbia River and its tributaries from McNary Dam to Chief Joseph Dam. There were no releases of juvenile salmonids to the Mid-Columbia river zone this week. Furthermore, no releases are scheduled for this zone over the next two weeks.

Lower Columbia Zone: The Lower Columbia Zone is defined as the Columbia River and its tributaries from Bonneville Dam to McNary Dam. There were no scheduled releases of juvenile salmonids to this zone this week and no releases are scheduled over the next two weeks.

Adult Fish Passage:

The 2008 Bonneville Dam adult fall Chinook count of 303,081 is about 2.08 times greater than the 2007 and is approximately 89% of the 10 year average. The fall Chinook jack count of 37,624 is about 79.7% of the 2007 count and is about 1.02 times greater than the 10 year average. The adult fall Chinook count total at The Dalles Dam is 159,635, about 52.7% of the Bonneville passage total to date. The 2008 Lower Granite Dam adult fall Chinook count of 15,284 is about 1.90 times greater than the 2007 count of 8,029 and is about 2.18 times greater than the 10 year average count of 6,989.

As of October 2nd, 350,540 steelhead had passed Bonneville Dam. The 2008 count is 1.13 times greater than the 2007 count of 310,290 and 1.06 times greater than the 10 year average of 328,758. The 2008 wild steelhead count at Bonneville Dam was 103,573 fish. The daily steelhead counts at The Dalles Dam ranged between 800 and 2,697 for the week with a cumulative count of 256,867. About 73.3% of the steelhead counted at Bonneville Dam had passed The Dalles Dam. The majority of the 185,649 steelhead at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor now at 139,019 for the season. The 2008 Lower Granite Dam steelhead count of 116,048 was 1.41 times greater than the 2007 count and 1.39 times greater than the 10 year average. The cumulative count at Priest Rapids Dam was at 15,354 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 127,190 as of October 2nd. The 2008 B-run steelhead count is 1.60 times greater than the 2007 count of 79,381 and is 1.10 times greater than the 10-year average of 115,541.

The coho salmon count at Bonneville Dam was 90,614 adults and 8,311 jacks as of October 2nd. To date, the 2008 Bonneville coho adult count is about 1.43 times greater than the 2007 count of 63,525 and is about 1.14 times greater than the 10 year average of 79,081. The 2008 Bonneville coho jack count of 8,311 is about 2.92 times greater than the 2007 count of 2,844 and is about 1.79 times greater than the 10 year average count of 4,630.

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

Date	Grand Coulee		Chief Joseph		Wells		Rocky Reach		Rock Island		Wanapum		Priest Rapids	
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
09/19/2008	59.5	0.1	57.5	0.0	58.2	0.0	58.8	0.0	59.4	0.0	56.3	2.0	47.3	0.7
09/20/2008	36.5	0.1	37.3	0.0	39.7	0.0	39.8	0.0	41.0	0.0	50.5	2.0	51.4	0.9
09/21/2008	37.7	0.1	33.9	0.0	41.1	0.0	39.8	0.0	39.3	0.0	35.8	2.0	39.5	0.5
09/22/2008	56.9	0.1	61.3	0.0	70.5	0.0	71.6	0.0	69.6	0.0	67.1	2.0	54.3	0.7
09/23/2008	66.6	0.1	68.1	0.0	73.2	0.0	69.6	0.0	72.5	0.0	83.4	1.8	80.6	0.9
09/24/2008	69.1	0.1	72.0	0.0	70.3	0.0	70.4	0.0	70.3	0.0	65.8	1.6	70.1	1.3
09/25/2008	61.5	0.1	61.2	0.0	63.6	0.0	64.9	0.0	65.4	0.0	77.3	1.8	69.3	2.0
09/26/2008	45.0	0.1	45.2	0.0	48.0	0.0	48.5	0.0	48.0	0.0	70.6	1.4	72.5	0.8
09/27/2008	50.9	0.1	43.4	0.0	44.6	0.0	44.2	0.0	44.4	0.0	51.2	1.2	47.1	0.9
09/28/2008	39.7	0.1	42.8	0.0	41.1	0.0	40.7	0.0	41.1	0.0	35.3	1.3	39.4	0.7
09/29/2008	54.4	0.1	52.6	0.0	54.4	0.0	55.2	0.0	55.2	0.0	72.8	1.3	70.9	0.5
09/30/2008	71.1	0.1	75.0	0.0	68.2	0.0	68.5	0.0	67.2	0.0	54.4	1.2	47.1	0.8
10/01/2008	72.0	0.0	69.1	0.0	68.7	0.0	66.1	0.0	65.9	0.0	65.3	1.5	64.1	0.8
10/02/2008	61.1	0.0	67.4	0.0	67.7	0.0	69.5	0.0	70.3	0.0	76.7	1.5	71.2	0.8

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

Date	Dworshak		Hells Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
09/19/2008	2.4	0.0	10.1	10.1	20.3	0.0	20.4	0.0	20.4	0.0	20.0	0.0
09/20/2008	2.3	0.0	11.2	8.7	14.3	0.0	14.7	0.0	13.4	0.0	11.8	0.0
09/21/2008	1.5	0.0	11.5	8.6	12.5	0.0	13.5	0.0	12.3	0.0	12.9	0.0
09/22/2008	1.6	0.0	12.1	8.6	16.4	0.0	15.7	0.0	14.5	0.0	13.3	0.0
09/23/2008	2.2	0.0	11.8	8.6	17.0	0.0	15.1	0.1	13.8	0.0	15.9	0.0
09/24/2008	2.4	0.0	12.9	10.4	20.4	0.0	18.7	0.0	17.9	0.0	16.8	0.0
09/25/2008	2.4	0.0	12.6	10.4	21.2	0.0	21.9	0.0	22.4	0.0	24.8	0.0
09/26/2008	2.5	0.0	16.4	14.5	21.7	0.0	21.8	0.0	20.3	0.0	19.9	0.0
09/27/2008	2.4	0.0	8.8	9.2	25.9	0.0	26.5	0.0	26.5	0.0	26.2	0.0
09/28/2008	1.5	0.0	11.3	10.7	18.2	0.0	17.8	0.0	16.9	0.0	16.6	0.0
09/29/2008	1.6	0.0	12.2	14.5	17.2	0.0	15.5	0.0	13.8	0.0	14.2	0.0
09/30/2008	1.6	0.0	12.2	16.0	24.6	0.0	26.2	0.0	27.1	0.0	26.5	0.0
10/01/2008	1.6	0.0	12.1	16.3	23.1	0.0	22.8	0.0	23.0	0.0	23.4	0.0
10/02/2008	1.6	0.0	---	---	26.3	0.0	25.1	0.0	25.3	0.0	26.6	0.0

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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
09/19/2008	76.9	0.0	74.1	0.7	76.5	0.0	82.6	1.5	19.6	54.3
09/20/2008	76.2	0.0	62.6	0.8	67.8	0.0	73.6	1.4	12.3	52.6
09/21/2008	64.4	0.0	65.8	0.9	64.9	0.0	72.2	1.4	7.5	56.1
09/22/2008	60.8	0.0	63.3	0.8	65.6	0.0	73.4	1.4	8.7	56.1
09/23/2008	73.4	0.0	81.5	0.8	85.3	0.0	97.4	1.4	29.9	58.9
09/24/2008	94.2	0.0	93.9	0.8	96.2	0.0	100.4	1.4	35.5	56.4
09/25/2008	85.1	0.0	78.2	1.0	79.7	0.0	89.8	1.4	24.8	56.4
09/26/2008	92.9	0.0	94.8	0.8	99.2	0.0	106.5	1.4	39.4	58.5
09/27/2008	78.6	0.0	77.5	0.8	77.5	0.0	82.7	1.4	19.3	54.8
09/28/2008	68.0	0.0	68.3	0.8	72.2	0.0	81.2	1.4	16.4	56.3
09/29/2008	82.5	0.0	85.9	0.8	88.4	0.2	94.8	1.5	29.4	56.8
09/30/2008	76.5	0.0	72.1	0.8	75.3	0.0	83.3	1.4	23.8	50.9
10/01/2008	80.1	0.0	66.8	0.8	67.8	0.0	74.3	1.3	27.8	37.9
10/02/2008	87.5	0.0	72.4	0.7	74.2	0.0	80.7	1.3	1.3	70.9

Hatchery Releases Last Two Weeks

		Hatchery Release Summary							
From:		9/19/2008	to	10/02/08					
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2009	20,000	10-01-08	10-01-08	Alturas Lake	Salmon River (ID)
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2009	20,000	10-01-08	10-01-08	Pettit Lake	Salmon River (ID)
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2009	80,000	10-01-08	10-01-08	Redfish Lake	Salmon River (ID)
Fish and Game									
Total					120,000				
Grand Total					120,000				

Hatchery Releases Next Two Weeks

Hatchery Release Summary

From: 10/3/2008 to 10/16/2008

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	SP	2009	75,000	10-06-08	10-14-08	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	SP	2009	150,000	10-06-08	10-13-08	Lolo Creek	Clearwater River M F
Nez Perce Tribe									
Total					225,000				
Grand Total					225,000				

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

Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	<u>Hungry H. Dnst</u>			#	<u>Boundary</u>			#	<u>Grand Coulee</u>			#	<u>Grand C. Tlwr</u>			#	<u>Chief Joseph</u>			#
	<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>		
	<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>	
9/19	103	103	103	24	104	105	106	22	102	102	103	24	100	101	102	22	103	103	103	24
9/20	103	104	104	24	104	105	106	23	102	102	103	24	102	102	103	24	101	102	102	24
9/21	103	103	104	24	104	104	105	22	101	102	102	24	100	101	102	22	101	101	101	24
9/22	103	103	103	24	104	104	105	23	101	101	101	24	100	100	101	23	101	101	102	24
9/23	102	102	102	24	103	104	105	21	100	100	100	24	99	99	100	21	100	100	101	24
9/24	102	102	102	24	104	104	106	23	100	101	101	24	99	100	101	23	100	101	101	24
9/25	102	102	102	24	103	103	104	18	100	101	102	24	99	99	100	18	101	101	101	24
9/26	102	102	102	24	102	103	104	24	100	100	100	24	98	99	101	24	101	101	101	24
9/27	101	102	102	24	102	103	104	21	100	100	100	24	99	99	100	21	100	100	101	24
9/28	101	101	102	24	102	103	104	20	99	99	99	24	98	98	100	20	100	100	100	24
9/29	101	101	102	24	102	103	104	22	99	100	100	24	99	100	101	22	100	100	101	24
9/30	101	102	102	24	103	103	104	24	100	100	100	24	99	99	100	24	100	100	101	24
10/1	102	102	103	24	103	104	105	22	100	100	100	24	99	100	101	22	101	101	102	24
10/2	102	102	103	24	104	105	106	23	100	101	101	24	99	100	100	23	101	101	102	24

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>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>	
9/19	103	104	105	24	---	---	---	0	---	---	---	0	104	104	104	24	101	101	102	24
9/20	102	103	104	24	---	---	---	0	---	---	---	0	103	104	104	24	100	101	101	24
9/21	101	102	103	24	---	---	---	0	---	---	---	0	102	103	103	24	100	100	100	24
9/22	100	101	102	24	---	---	---	0	---	---	---	0	102	102	102	14	100	100	100	14
9/23	100	101	102	24	---	---	---	0	---	---	---	0	101	101	101	12	99	99	100	12
9/24	100	101	102	24	---	---	---	0	---	---	---	0	101	102	102	24	99	100	100	24
9/25	101	102	103	24	---	---	---	0	---	---	---	0	101	101	101	24	99	100	100	24
9/26	101	103	104	24	---	---	---	0	---	---	---	0	100	100	100	24	98	98	99	24
9/27	100	100	101	24	---	---	---	0	---	---	---	0	100	100	101	24	98	98	98	24
9/28	100	101	103	24	---	---	---	0	---	---	---	0	100	101	101	24	97	98	98	24
9/29	101	102	103	24	---	---	---	0	---	---	---	0	100	101	102	24	98	98	99	24
9/30	100	100	102	24	---	---	---	0	---	---	---	0	100	101	101	24	99	99	99	24
10/1	101	102	103	24	---	---	---	0	---	---	---	0	101	102	102	23	99	100	100	23
10/2	102	102	103	24	---	---	---	0	---	---	---	0	102	102	102	24	100	101	101	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>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>	
9/19	103	104	104	24	104	104	104	24	101	103	104	24	104	105	106	24	103	104	104	24
9/20	103	103	104	24	103	103	104	24	101	102	102	24	102	103	103	24	102	103	104	24
9/21	101	101	101	24	102	102	102	24	100	100	101	24	101	101	102	24	101	101	101	24
9/22	101	101	102	24	101	101	102	24	99	99	99	24	100	100	101	24	99	99	100	24
9/23	100	101	101	24	100	101	101	24	97	98	99	24	100	100	100	24	98	99	99	24
9/24	101	101	102	24	101	101	102	24	99	100	101	24	101	101	102	24	99	99	100	24
9/25	101	101	101	24	101	101	102	24	99	100	100	24	101	101	102	24	100	100	100	24
9/26	100	100	101	24	101	101	101	24	98	100	101	24	100	101	101	24	100	101	103	24
9/27	100	100	101	24	100	101	101	24	98	99	100	24	101	101	101	24	100	101	102	24
9/28	99	100	100	24	100	100	101	24	97	98	99	24	101	101	102	24	100	101	102	24
9/29	99	100	100	24	100	100	101	24	98	98	99	9	101	101	101	24	101	101	102	24
9/30	100	101	101	24	100	101	101	24	99	100	101	16	101	102	102	24	101	102	102	24
10/1	101	101	102	23	101	102	102	23	99	100	101	24	102	102	103	24	102	102	102	24
10/2	101	102	102	24	102	102	102	24	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<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>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>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>		
9/19	105	105	106	24	103	103	104	24	102	103	104	24	102	104	106	24	102	103	104	24
9/20	104	104	105	24	101	102	103	24	102	102	103	24	102	103	105	24	100	101	102	24
9/21	102	103	103	24	100	100	101	24	108	109	110	24	102	104	106	24	100	101	102	24
9/22	101	101	102	24	100	100	101	24	105	106	108	24	101	103	104	24	100	101	102	24
9/23	100	101	101	24	99	100	100	24	101	102	102	24	100	102	104	24	100	102	103	24
9/24	102	102	103	24	101	101	102	24	101	102	103	24	101	102	104	24	101	102	103	24
9/25	102	102	103	24	101	101	102	24	101	102	102	24	101	103	105	24	101	102	103	24
9/26	102	102	102	24	101	101	102	24	101	101	102	24	101	103	104	24	101	102	103	24
9/27	102	102	103	24	101	101	101	24	100	101	101	24	101	103	105	24	101	102	103	24
9/28	102	103	103	24	100	101	101	24	102	103	104	24	101	104	106	24	100	101	102	24
9/29	102	102	103	24	101	102	102	24	102	103	103	24	101	104	106	24	101	102	103	24
9/30	102	103	104	24	101	102	102	24	102	103	104	24	102	104	107	24	101	102	103	24
10/1	103	103	103	24	101	102	103	24	102	103	104	24	102	105	107	24	101	102	103	24
10/2	---	---	---	0	102	102	103	24	102	103	103	23	101	101	106	12	101	101	102	16

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>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>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>		
9/19	102	104	106	24	102	103	103	24	102	102	103	24	102	102	102	24	101	101	102	24
9/20	101	102	103	24	102	102	103	24	101	101	102	24	100	101	101	24	99	100	100	24
9/21	100	101	102	24	100	101	101	24	98	99	99	24	99	99	99	24	97	98	98	24
9/22	100	101	102	24	99	100	100	24	98	98	99	24	98	98	98	24	97	98	98	24
9/23	100	103	104	24	98	99	100	24	98	99	100	24	98	98	99	24	97	98	98	24
9/24	101	103	104	24	99	100	100	24	99	100	100	24	100	100	100	24	99	99	99	24
9/25	101	103	104	24	99	100	100	24	99	99	99	24	99	99	100	24	98	99	99	24
9/26	101	103	105	24	98	99	100	23	98	99	99	23	98	98	99	18	98	98	99	18
9/27	101	103	105	24	97	98	98	24	97	97	98	24	98	98	99	24	97	98	98	24
9/28	101	103	105	24	97	97	98	24	96	96	96	18	97	97	98	24	96	97	97	24
9/29	101	103	105	24	98	98	100	23	96	97	99	24	97	98	98	24	97	97	98	24
9/30	101	103	105	24	98	99	99	24	97	97	98	24	98	98	98	24	98	98	99	24
10/1	102	104	105	24	97	97	99	11	98	99	99	24	99	99	100	24	98	99	99	24
10/2	101	101	104	14	---	---	---	0	99	99	99	24	100	101	103	24	99	100	100	24

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>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>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>		
9/19	99	99	100	24	100	100	100	24	101	101	102	24	103	104	105	24	---	---	---	0
9/20	98	99	100	24	99	99	100	24	100	100	101	24	102	102	103	24	---	---	---	0
9/21	99	99	99	24	99	100	100	24	100	100	100	24	101	101	102	24	---	---	---	0
9/22	99	99	99	24	99	99	101	24	99	100	100	24	101	101	102	24	---	---	---	0
9/23	99	99	100	24	99	99	100	24	99	99	100	24	100	101	102	24	---	---	---	0
9/24	100	100	101	24	99	100	100	24	99	100	100	24	101	101	102	24	---	---	---	0
9/25	99	99	100	24	99	99	100	24	99	99	99	24	100	100	101	24	---	---	---	0
9/26	97	98	98	22	98	98	99	22	98	98	99	20	99	99	100	20	---	---	---	0
9/27	97	97	98	24	97	98	98	24	97	98	98	24	99	99	100	24	---	---	---	0
9/28	97	98	98	24	98	98	99	24	97	97	98	24	99	100	101	24	---	---	---	0
9/29	99	99	100	24	98	99	99	24	98	98	98	24	99	101	101	24	---	---	---	0
9/30	98	99	100	24	99	99	101	24	98	98	99	24	100	100	100	24	---	---	---	0
10/1	98	99	99	24	99	100	100	24	99	99	100	24	100	101	102	24	---	---	---	0
10/2	98	99	99	24	99	100	100	24	99	99	100	24	100	101	102	24	---	---	---	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

Date	<u>McNary-Wash</u>			<u>McNary Tlwr</u>			<u>John Day</u>			<u>John Day Tlwr</u>			<u>The Dalles</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr				
9/19	102	103	103	24	102	102	103	24	---	---	---	0	101	102	102	24	---	---	---	0
9/20	102	102	103	24	101	102	102	24	---	---	---	0	102	102	102	24	---	---	---	0
9/21	101	101	102	24	101	101	101	24	---	---	---	0	102	102	102	24	---	---	---	0
9/22	100	100	101	24	100	101	101	24	---	---	---	0	101	101	102	24	---	---	---	0
9/23	99	100	100	24	99	100	100	24	---	---	---	0	100	101	101	24	---	---	---	0
9/24	100	100	100	24	100	100	100	24	---	---	---	0	100	100	101	24	---	---	---	0
9/25	99	99	100	24	99	99	100	24	---	---	---	0	100	101	103	24	---	---	---	0
9/26	98	99	99	24	98	99	99	24	---	---	---	0	100	100	100	24	---	---	---	0
9/27	99	99	99	24	98	99	99	24	---	---	---	0	100	101	101	24	---	---	---	0
9/28	99	99	99	24	99	99	99	24	---	---	---	0	100	101	102	24	---	---	---	0
9/29	100	101	102	24	100	100	100	24	---	---	---	0	100	101	101	24	---	---	---	0
9/30	101	101	102	24	100	101	101	24	---	---	---	0	100	101	101	24	---	---	---	0
10/1	101	102	103	24	101	101	101	24	---	---	---	0	101	101	102	24	---	---	---	0
10/2	102	102	102	24	101	101	101	24	---	---	---	0	101	101	101	24	---	---	---	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\Washougal</u>			<u>Cascade Island</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr				
9/19	103	103	103	24	---	---	---	0	104	104	104	24	103	103	104	24	109	111	113	24
9/20	102	102	102	24	---	---	---	0	103	103	103	24	102	102	103	24	---	---	---	0
9/21	101	101	102	24	---	---	---	0	102	103	103	24	101	101	101	24	110	111	112	24
9/22	101	101	101	24	---	---	---	0	102	102	103	24	100	101	101	24	111	113	116	24
9/23	101	101	102	24	---	---	---	0	102	102	104	24	100	100	100	10	113	116	120	24
9/24	101	102	102	24	---	---	---	0	101	102	103	24	---	---	---	0	114	117	121	24
9/25	101	101	102	24	---	---	---	0	102	102	103	24	---	---	---	0	114	118	121	24
9/26	101	101	101	24	---	---	---	0	102	103	103	24	---	---	---	0	114	117	123	24
9/27	101	102	102	24	---	---	---	0	103	104	104	24	---	---	---	0	112	114	118	24
9/28	101	102	102	24	---	---	---	0	103	103	104	24	---	---	---	0	112	115	121	24
9/29	101	102	102	24	---	---	---	0	102	104	105	24	---	---	---	0	113	117	122	24
9/30	102	102	102	24	---	---	---	0	103	103	104	24	---	---	---	0	110	112	113	24
10/1	102	102	103	24	---	---	---	0	103	104	105	23	---	---	---	0	110	112	112	24
10/2	102	103	103	24	---	---	---	0	103	104	105	24	---	---	---	0	113	116	119	24

Two-Week Summary of Passage Indices

Source: Fish Passage Center

Updated: 10/3/2008 9:06

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/currentsmppsubmitdata.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)
09/19/2008	---	---	---	---	1	0	0	---	0	---	0
09/20/2008	---	---	---	---	0	0	0	---	0	---	0
09/21/2008	---	---	---	---	0	0	0	---	0	---	0
09/22/2008 *	---	---	---	---	1	0	0	---	0	---	0
09/23/2008 *	---	---	---	---	1	0	0	---	0	---	0
09/24/2008 *	---	---	---	---	0	0	0	---	0	---	0
09/25/2008	---	---	---	---	1	0	0	---	0	---	7
09/26/2008	---	---	---	---	0	0	0	---	---	---	0
09/27/2008	---	---	---	---	0	0	1	---	---	---	0
09/28/2008	---	---	---	---	0	1	0	---	---	---	0
09/29/2008	---	---	---	---	2	0	0	---	---	---	0
09/30/2008 *	---	---	---	---	0	0	0	---	---	---	0
10/01/2008	---	---	---	---	0	2	---	---	---	---	0
10/02/2008	---	---	---	---	2	1	---	---	---	---	0
10/03/2008	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	8	4	1	0	0	0	7
# Days:	0	0	0	0	14	14	12	0	7	0	14
Average:	0	0	0	0	1	0	0	0	0	0	1
YTD	56,037	78,597	19,672	13,632	3,584,877	2,743,416	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)
09/19/2008	---	---	---	---	239	18	38	---	350	---	173
09/20/2008	---	---	---	---	196	15	28	---	230	---	149
09/21/2008	---	---	---	---	146	17	4	---	240	---	150
09/22/2008 *	---	---	---	---	66	13	9	---	120	---	148
09/23/2008 *	---	---	---	---	63	6	12	---	120	---	109
09/24/2008 *	---	---	---	---	71	30	14	---	120	---	260
09/25/2008	---	---	---	---	230	43	28	---	320	---	125
09/26/2008	---	---	---	---	260	26	10	---	---	---	183
09/27/2008	---	---	---	---	316	36	26	---	---	---	278
09/28/2008	---	---	---	---	1,085	54	30	---	---	---	222
09/29/2008	---	---	---	---	738	40	10	---	---	---	95
09/30/2008 *	---	---	---	---	448	38	171	---	---	---	167
10/01/2008	---	---	---	---	446	93	---	---	---	---	150
10/02/2008	---	---	---	---	551	343	---	---	---	---	157
10/03/2008	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	4,855	772	380	0	1,500	0	2,366
# Days:	0	0	0	0	14	14	12	0	7	0	14
Average:	0	0	0	0	347	55	32	0	214	0	169
YTD	0	0	2	119	747,551	1,130,990	332,381	16,069	2,410,658	1,780,674	3,765,196

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)
09/19/2008	---	---	---	---	0	0	0	---	0	---	0
09/20/2008	---	---	---	---	0	0	0	---	0	---	0
09/21/2008	---	---	---	---	0	0	0	---	0	---	0
09/22/2008 *	---	---	---	---	0	0	0	---	0	---	0
09/23/2008 *	---	---	---	---	2	0	0	---	0	---	0
09/24/2008 *	---	---	---	---	0	0	0	---	0	---	0
09/25/2008	---	---	---	---	0	0	0	---	0	---	0
09/26/2008	---	---	---	---	1	0	0	---	---	---	0
09/27/2008	---	---	---	---	1	0	0	---	---	---	0
09/28/2008	---	---	---	---	0	0	0	---	---	---	0
09/29/2008	---	---	---	---	0	0	0	---	---	---	0
09/30/2008 *	---	---	---	---	1	0	0	---	---	---	0
10/01/2008	---	---	---	---	0	0	---	---	---	---	0
10/02/2008	---	---	---	---	1	0	---	---	---	---	0
10/03/2008	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	6	0	0	0	0	0	0
# Days:	0	0	0	0	14	14	12	0	7	0	14
Average:	0	0	0	0	0	0	0	0	0	0	0
YTD	0	0	0	326	109,019	166,110	142,692	52,278	169,484	362,537	358,733

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)
09/19/2008	---	---	---	---	0	0	0	---	0	---	0
09/20/2008	---	---	---	---	0	0	0	---	0	---	0
09/21/2008	---	---	---	---	2	0	0	---	0	---	0
09/22/2008 *	---	---	---	---	0	0	0	---	0	---	0
09/23/2008 *	---	---	---	---	1	0	0	---	0	---	0
09/24/2008 *	---	---	---	---	1	0	0	---	0	---	0
09/25/2008	---	---	---	---	1	1	1	---	0	---	0
09/26/2008	---	---	---	---	1	0	0	---	---	---	0
09/27/2008	---	---	---	---	1	0	0	---	---	---	0
09/28/2008	---	---	---	---	0	1	0	---	---	---	0
09/29/2008	---	---	---	---	2	0	0	---	---	---	0
09/30/2008 *	---	---	---	---	0	0	0	---	---	---	0
10/01/2008	---	---	---	---	0	0	---	---	---	---	0
10/02/2008	---	---	---	---	0	0	---	---	---	---	0
10/03/2008	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	9	2	1	0	0	0	0
# Days:	0	0	0	0	14	14	12	0	7	0	14
Average:	0	0	0	0	1	0	0	0	0	0	0
YTD	4,565	22,292	5,891	10,708	3,444,108	3,694,321	1,546,176	22,780	507,334	1,132,951	450,264

Two-Week Summary of Passage Indices

Date	COMBINED SOCKEYE										
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
09/19/2008	---	---	---	---	7	0	0	---	0	---	0
09/20/2008	---	---	---	---	11	1	0	---	0	---	0
09/21/2008	---	---	---	---	12	1	0	---	0	---	0
09/22/2008 *	---	---	---	---	3	4	0	---	0	---	0
09/23/2008 *	---	---	---	---	8	0	0	---	0	---	0
09/24/2008 *	---	---	---	---	4	2	0	---	0	---	7
09/25/2008	---	---	---	---	15	1	0	---	0	---	0
09/26/2008	---	---	---	---	14	1	1	---	---	---	0
09/27/2008	---	---	---	---	11	6	0	---	---	---	0
09/28/2008	---	---	---	---	23	3	0	---	---	---	0
09/29/2008	---	---	---	---	8	0	0	---	---	---	0
09/30/2008 *	---	---	---	---	13	1	0	---	---	---	0
10/01/2008	---	---	---	---	17	0	---	---	---	---	0
10/02/2008	---	---	---	---	19	4	---	---	---	---	0
10/03/2008	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	165	24	1	0	0	0	7
# Days:	0	0	0	0	14	14	12	0	7	0	14
Average:	0	0	0	0	12	2	0	0	0	0	1
YTD	37	0	0	111	27,984	36,687	45,483	38,965	223,005	331,861	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:

10/3/08 9:04 AM

		09/19/08	TO	10/03/08			
		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	4,855	8	6	165	9	5,043
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	2,685	0	1	28	1	2,715
	Sum of Numbertrucked	1,981	8	5	108	7	2,109
	Sum of SampleMorts	73	0	0	28	1	102
	Sum of FacilityMorts	5	0	0	1	0	6
	Sum of ResearchMorts	111	0	0	0	0	111
	Sum of TotalProjectMorts	189	0	0	29	1	219
LGS	Sum of NumberCollected	772	4		24	2	802
	Sum of NumberBarged	0	0		0	0	0
	Sum of NumberBypassed	0	0		0	0	0
	Sum of Numbertrucked	768	2		23	2	795
	Sum of SampleMorts	3	0		0	0	3
	Sum of FacilityMorts	1	2		1	0	4
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	4	2		1	0	7
LMN	Sum of NumberCollected	380	1		1	1	383
	Sum of NumberBarged	0	0		0	0	0
	Sum of NumberBypassed	0	0		0	0	0
	Sum of Numbertrucked	369	1		1	1	372
	Sum of SampleMorts	9	0		0	0	9
	Sum of FacilityMorts	2	0		0	0	2
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	11	0		0	0	11
MCN	Sum of NumberCollected	1,500					1,500
	Sum of NumberBarged	0					0
	Sum of NumberBypassed	555					555
	Sum of Numbertrucked	936					936
	Sum of SampleMorts	1					1
	Sum of FacilityMorts	8					8
	Sum of ResearchMorts	0					0
	Sum of TotalProjectMorts	9					9
Total Sum of NumberCollected		7,507	13	6	190	12	7,728
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		3,240	0	1	28	1	3,270
Total Sum of Numbertrucked		4,054	11	5	132	10	4,212
Total Sum of SampleMorts		86	0	0	28	1	115
Total Sum of FacilityMorts		16	2	0	2	0	20
Total Sum of ResearchMorts		111	0	0	0	0	111
Total Sum of TotalProjectMorts		213	2	0	30	1	246

YTD Transportation Summary

Source: Fish Passage Center

Updated:

10/3/08 9:04 AM

TO: 10/03/08

		Species						
Site	Data	CH0	CH1	CO	SO	ST	Grand Total	
LGR	Sum of NumberCollected	427,416	2,398,651	68,830	13,710	2,165,433	5,074,040	
	Sum of NumberBarged	401,738	1,966,900	66,905	12,865	1,786,609	4,235,017	
	Sum of NumberBypassed	7,312	425,949	1,849	452	377,931	813,493	
	Sum of NumberTrucked	10,914	18	30	275	23	11,260	
	Sum of SampleMorts	520	154	2	80	52	808	
	Sum of FacilityMorts	1,685	2,841	44	38	818	5,426	
	Sum of ResearchMorts	5,247	2,789	0	0	0	8,036	
	Sum of TotalProjectMorts	7,452	5,784	46	118	870	14,270	
LGS	Sum of NumberCollected	745,703	1,706,950	95,879	21,904	2,309,436	4,879,872	
	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	10,233	4	17	80	11	10,345	
	Sum of SampleMorts	210	40	1	7	14	272	
	Sum of FacilityMorts	1,765	3,453	4	28	458	5,708	
	Sum of ResearchMorts	0	0	0	0	0	0	
	Sum of TotalProjectMorts	1,975	3,493	5	35	472	5,980	
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	114	218	9,421	
	Sum of ResearchMorts	87	58	3	5	20	173	
	Sum of TotalProjectMorts	9,019	828	62	142	263	10,314	
Total Sum of NumberCollected		2,600,065	6,074,508	326,582	166,031	5,708,934	14,876,120	
Total Sum of NumberBarged		1,716,634	3,557,659	169,293	44,829	3,607,124	9,095,539	
Total Sum of NumberBypassed		765,473	2,506,855	157,121	120,505	2,099,935	5,649,889	
Total Sum of NumberTrucked		99,037	37	52	394	39	99,559	
Total Sum of SampleMorts		1,384	345	6	110	113	1,958	
Total Sum of FacilityMorts		12,203	7,750	107	181	1,701	21,942	
Total Sum of ResearchMorts		5,334	2,847	3	5	20	8,209	
Total Sum of TotalProjectMorts		18,921	10,942	116	296	1,834	32,109	

Cumulative Adult Passage at Mainstem Dams Through: 10/02

DAM	EndDate	Spring Chinook						Summer Chinook						Fall Chinook					
		2008		2007		10-Yr Avg.		2008		2007		10-Yr Avg.		2008		2007		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	10/02	125545	17552	67482	16860	151523	9831	78271	11621	47412	13539	71262	9127	303081	37624	145353	47172	340690	36975
TDA	10/02	95440	15801	53524	15567	106828	7522	65073	12206	40123	11318	61862	6875	159635	35844	82166	33708	175355	27250
JDA	10/02	81771	14925	44005	13864	89148	6122	63649	13680	35773	11582	57243	6930	126735	30293	63172	31403	127407	23269
MCN	10/02	68085	12133	39497	12393	82136	6227	54735	11239	32393	9386	55163	6274	91238	18278	45987	22835	94281	17092
IHR	10/01	53142	7757	28380	7371	54980	3897	23693	4964	7714	2523	11420	2100	20791	9089	11818	7606	10953	5587
LMN	10/02	54512	6885	28397	7102	52688	3599	27345	2890	11452	1419	11417	1651	19664	8183	13760	6548	10065	4499
LGS	10/02	50401	7805	23960	7227	50024	3685	21748	4811	7898	2861	9497	2073	16665	4286	8403	5597	8015	3205
LGR	10/02	50146	10946	22905	9085	50643	4197	22612	5072	7312	3285	9346	2279	15284	7182	8029	6464	6989	3704
PRD	09/28	12173	620	6708	489	17360	563	39305	3355	30644	1088	50486	2111	24809	12439	14101	3482	21884	2563
RIS	10/01	12490	1119	5572	2066	13979	962	38171	3096	28222	6200	47383	5323	5609	3169	2990	1253	7523	1680
RRH	10/01	4065	371	2424	920	5404	397	29675	2127	21657	5110	35386	3711	4940	3155	2276	995	4954	1462
WEL	10/01	2708	426	2041	752	3980	281	21060	1373	13244	3573	25854	1953	2264	1782	882	678	2495	809
WFA	09/26	14219	525	22818	280	-	-	0	0	0	0	-	-	955	472	115	17	-	-

DAM	Coho						Sockeye			Steelhead			
	2008		2007		10-Yr Avg.		10-Yr Avg.			10-Yr Avg.			Wild 2008
	Adult	Jack	Adult	Jack	Adult	Jack	2008	2007	Avg.	2008	2007	Avg.	
BON	90614	8311	63525	2844	79081	4630	213607	24376	58551	350540	310290	328758	103573
TDA	24430	4147	18149	1742	19762	1979	177984	19124	49462	256867	220458	231658	73208
JDA	26268	4594	18296	4696	15679	2349	193409	24277	54064	244763	189938	208489	72701
MCN	12730	2464	10825	1338	7868	774	146924	18174	45006	185649	163506	157660	48912
IHR	1967	105	826	81	537	28	539	55	34	139019	106990	108299	34408
LMN	2608	276	630	64	437	26	722	43	33	143262	103825	100244	37310
LGS	2191	295	599	95	354	18	594	37	37	122756	81944	85699	29148
LGR	1965	793	610	93	361	33	900	53	42	116048	82491	83370	29640
PRD	2125	290	1728	107	1045	161	192217	24644	56270	15354	12724	12830	0
RIS	1878	810	2290	244	1335	12	193736	25120	52570	15112	11341	12224	5785
RRH	473	311	262	30	160	0	161339	20681	36855	12016	7983	9113	4024
WEL	62	0	15	0	11	0	165329	22243	36823	7456	5319	6396	3025
WFA	1194	1227	383	54	-	-	0	0	-	18568	18968	-	-

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: 10/03/08

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