Fish Passage Center

Weekly Report #08 - 29

September 19, 2008

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Summary of Events:

NOTE: This is the last weekly report of the season; bi-weekly reports begin October 3rd through the end of October.

Water Supply: Precipitation throughout the Columbia Basin has varied between 0% and 60% of average at individual sub-basins over the beginning of September. Precipitation above The Dalles has been 20% of average over September. Over the entire water year, precipitation has generally been near average.

Table 1. Summary of September 1-15 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 1-15		Water Year 2008 October 1, 2007 to September 15, 2008	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.30	37	24.09	97
Snake River Above Ice Harbor	0.03	6	16.03	92
Columbia Above The Dalles	0.13	20	21.70	95
Kootenai	0.19	23	22.44	88
Clark Fork	0.36	60	18.11	105
Flathead	0.34	42	22.31	98
Pend Oreille/ Spokane	0.04	5	30.10	98
Central Washington	0.00	0	6.17	69
Snake River Plain	0.02	4	8.27	74
Salmon/Boise/ Payette	0.00	1	18.75	95
Clearwater	0.02	2	29.75	98
SW Washington Cascades/Cowlitz	0.00	0	63.94	91
Willamette Valley	0.00	0	58.59	100

Grand Coulee is currently at 1281.8 feet (9-18-08) and refilled 0.3 feet last week. Outflows have ranged between 45.1 and 85.9 Kcfs over the last week. Inflows last week have ranged between 62.9 Kcfs and 71.8 Kcfs.

The Libby Reservoir is currently (9-18-08) at an elevation of 2441.4 feet, drafting 0.26 feet last week. Inflows at Libby have ranged between 3.6 Kcfs and 8.2 Kcfs over the last week. Outflows at Libby are currently 6.0 Kcfs.

Hungry Horse is currently at an elevation of 3535.6 ft (9-18-08), and has drafted 2.0 feet last week. Outflows at Hungry Horse remain at 4.1 Kcfs; inflows have ranged between 0 Kcfs and 2.2 Kcfs last week.

Dworshak is currently (9-18-08) at 1520.8 feet and has drafted 2.1 feet last week. Outflows at Dworshak have been reduced 2.4 Kcfs. Inflows have ranged between 1.0 and 1.2 Kcfs last week.

The Brownlee Reservoir is at an elevation of 2043.4 feet (September 18th, 2008), and has drafted 2.9 feet last week. Outflows at Brownlee Dam have been 8.0 to 15.1 Kcfs over the last week. Inflows at Brownlee Dam have been 8.9 to 10.1 Kcfs over the last week.

Smolt Monitoring:

Sampling ended September 15 at John Day Dam. At all other SMP sites subyearling Chinook are the primary salmonid species that continue to be collected at present. A small but unusual number of sockeye (possibly kokanee) fry have been collected at Lower Granite Dam over the past few weeks. 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 averaged about 330 per day this past week compared to 240 per day the previous week. PIT-tag data suggest that hatchery origin fish predominate—especially releases from Big Canyon Creek. Passage indices are very low at Little Goose and Lower Monumental dams.

At the lower Columbia River dams indices for subyearling Chinook were down at McNary Dam this week. The subyearling Chinook index averaged 300 fish per day this past week compared to over 700 per day last week. At John Day Dam daily sampling has ended but indices up to September 15 averaged 180 fish per day over last four days of sampling. Sampling at Bonneville Dam has returned to every day sampling as well. At that site indices for subyearling Chinook averaged about 180 per day this week which is about 1/4th of last weeks average of 800.

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. There were no releases of juvenile salmonids to the Snake River zone this week. Beginning in early October, approximately 120,000 sockeye pre-smolts are scheduled for release into the Sawtooth-Stanley Basin. Of these, about 66% are scheduled for release into Redfish Lake, 17% are scheduled for release into Pettit Lake, and the remaining 17% are scheduled for release into Alturas Lake. These pre-smolts are not expected to out-migrate until spring 2009. Finally, approximately 225,000 unclipped spring Chinook pre-smolts are scheduled for release onto the Clearwater River. These releases are scheduled to take place in early to mid-October. 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:

Daily counts of adult fall Chinook ranged from 3,152 to 7,964. The 2008 Bonneville Dam adult fall Chinook count of 274,937 is about 2.37 times greater than the 2007 and is approximately 93.9% of the 10 year average. The fall Chinook jack count of 31,825 is about 1.12 times greater than the 2007 count is about 1.23 times greater than the 10 year average. The adult fall Chinook count total at The Dalles Dam is 132,122, about 48% of the Bonneville passage total to date. The 2008 Lower Granite Dam adult fall Chinook count of 11,323 is about 2.48 times greater than the 2007 count of 4,558 and is about 2.94 times greater than the 10 year average count of 3,845.

As of September 18th, 335,120 steelhead had passed Bonneville Dam. The 2008 count is 1.15 times greater than the 2007 count of 290,443 and 1.11 times greater than the 10 year average of 300,686. The 2008 wild steelhead count at Bonneville Dam was 100,374 fish. The daily steelhead counts at The Dalles Dam ranged between 3,216 and 4,171 for the week with a cumulative count of 210,806. About 62.9% of the steelhead counted at Bonneville Dam had passed The Dalles Dam. The majority of the 128,247 steelhead at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor now at 90,287 for the season. The 2008 count Lower Granite Dam steelhead count of 57,605 was 1.95 times greater than the 2007 count and 1.61 times greater than the 10 year average. The cumulative count at Priest Rapids Dam was at 13,219 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 111,770 as of September 18th. The 2008 B-run steelhead count is 1.88 times greater than the 2007 count of 59,534 and is 1.28 times greater than the 10-year average of 87,469.

The coho salmon count at Bonneville Dam was 65,825 adults and 6,012 jacks as of September 18th. To date, the 2008 Bonneville coho adult count is about 1.37 times greater than the 2007 count of 47,926 and is 1.09 times greater than the 10 year average of 60,477. The 2008 Bonneville coho jack count is about 3.20 times greater than the 2007 count of 1,876 and is about 1.92 times greater than the 10 year average count of 3,122.

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
09/05/2008	51.4	0.1	50.8	0.0	52.2	0.0	50.7	0.0	51.7	0.0	68.9	2.0	72.8	0.6
09/06/2008	67.0	0.1	70.9	0.0	64.7	0.0	59.7	0.0	58.4	0.0	53.6	2.0	49.2	0.8
09/07/2008	48.9	0.1	46.9	0.0	50.1	0.0	50.7	0.0	50.8	0.0	48.2	2.0	45.0	0.7
09/08/2008	65.0	0.1	66.4	0.0	70.1	0.0	70.5	0.0	69.1	0.0	73.9	2.0	68.9	0.6
09/09/2008	57.7	0.1	61.0	0.0	61.8	0.0	57.1	0.0	57.7	0.0	67.6	2.0	70.4	0.3
09/10/2008	52.2	0.1	50.3	0.0	59.9	0.0	61.7	0.0	62.2	0.0	63.9	2.0	66.7	0.9
09/11/2008	74.7	0.1	76.3	0.0	70.8	0.0	70.1	0.0	69.4	0.0	69.4	2.0	66.7	0.9
09/12/2008	54.2	0.1	58.3	0.0	60.7	0.0	57.3	0.0	57.2	0.0	67.1	2.0	66.6	0.6
09/13/2008	50.8	0.1	48.5	0.0	49.9	0.0	51.2	0.0	51.4	0.0	52.1	2.0	52.9	0.9
09/14/2008	45.2	0.1	45.1	0.0	46.5	0.1	45.0	0.4	44.8	0.0	47.7	2.0	52.3	0.8
09/15/2008	86.0	0.1	81.8	0.0	80.9	0.0	81.3	0.0	81.1	0.0	78.8	2.0	61.9	1.3
09/16/2008	57.6	0.1	62.3	0.0	70.4	0.0	71.1	0.0	70.1	0.0	95.3	2.5	98.1	3.6
09/17/2008	59.1	0.1	58.8	0.0	59.1	0.0	62.6	0.0	63.5	0.0	63.1	2.0	64.8	0.8
09/18/2008	52.2	0.1	55.2	0.0	53.3	0.0	47.5	0.0	46.9	0.0	60.9	2.0	58.7	0.8

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
09/05/2008	10.3	0.0	10.3	18.8	37.2	0.0	36.8	0.0	36.8	0.0	36.9	0.0
09/06/2008	8.2	0.0	9.9	17.3	31.5	0.0	31.1	0.0	30.7	0.0	31.1	0.0
09/07/2008	8.2	0.0	9.0	13.9	30.1	0.0	30.8	0.0	30.7	0.0	30.8	0.0
09/08/2008	8.2	0.0	9.1	13.3	27.9	0.0	25.9	0.0	23.6	0.0	23.3	0.0
09/09/2008	7.8	0.0	9.5	14.9	26.3	0.0	27.9	0.0	26.4	0.0	26.3	0.0
09/10/2008	4.8	0.0	8.6	15.6	25.9	0.0	26.1	0.0	25.0	0.0	25.0	0.0
09/11/2008	4.8	0.0	9.5	12.3	24.1	0.0	23.0	0.0	21.5	0.0	16.5	0.0
09/12/2008	4.8	0.0	9.5	12.4	25.4	0.0	21.5	0.0	19.7	0.0	17.6	0.0
09/13/2008	4.6	0.0	8.9	9.9	22.4	0.0	23.0	0.0	17.4	0.0	17.3	0.0
09/14/2008	2.4	0.0	10.1	12.1	21.9	0.0	16.8	0.0	16.3	0.0	17.7	0.0
09/15/2008	2.4	0.0	10.0	13.9	20.2	0.0	16.0	0.0	15.0	0.0	14.3	0.0
09/16/2008	2.4	0.0	9.5	11.3	23.1	0.0	19.3	0.0	16.9	0.0	16.3	0.0
09/17/2008	2.4	0.0	10.0	12.9	17.4	0.0	17.7	0.0	17.5	0.0	18.6	0.0
09/18/2008	2.4	0.0	10.0	11.9	23.7	0.0	26.0	0.0	24.4	0.0	25.9	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
09/05/2008	110.6	0.0	112.4	0.9	113.7	0.0	118.7	1.5	50.2	60.1
09/06/2008	84.8	0.0	88.7	0.9	91.8	0.0	100.5	1.5	36.0	55.3
09/07/2008	73.7	0.0	76.8	0.7	78.8	0.0	91.0	1.4	26.6	56.1
09/08/2008	103.8	0.0	99.6	0.9	99.7	0.0	104.5	1.4	42.6	53.6
09/09/2008	85.0	0.0	86.3	0.9	88.6	0.0	94.7	1.5	36.0	50.3
09/10/2008	107.1	0.0	106.7	0.9	108.0	0.0	117.0	1.5	48.0	60.6
09/11/2008	62.8	0.0	82.2	0.9	88.6	0.0	98.5	1.5	33.4	56.8
09/12/2008	81.0	0.0	71.5	0.9	74.1	0.0	83.4	1.6	21.9	53.0
09/13/2008	69.8	0.0	68.5	0.8	70.2	0.0	79.8	1.5	16.8	54.8
09/14/2008	70.0	0.0	68.3	0.8	69.3	0.0	76.5	1.5	13.0	55.1
09/15/2008	78.2	0.0	73.9	0.8	73.4	0.0	78.8	1.5	15.3	54.9
09/16/2008	95.0	0.0	94.2	0.8	93.8	0.0	100.0	1.5	35.2	56.1
09/17/2008	95.5	0.0	97.3	0.7	97.5	0.0	105.2	1.4	40.2	56.5
09/18/2008	83.2	0.0	85.2	0.8	85.8	0.0	93.6	1.4	30.0	55.3

Hatchery Releases Next Two Weeks

Hatchery Release Summary

From: 9/19/2008 to 10/2/2008

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)
Idaho Dept. of Fish and Game Total					**120,000**				
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	SP	2009	75,000	10-02-08	10-14-08	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	SP	2009	150,000	10-01-08	10-13-08	Lolo Creek	Clearwater River M F
Nez Perce Tribe Total					**225,000**				
Grand Total					**345,000**				

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

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
9/5	102	102	103	24	103	104	105	22	101	101	101	24	103	104	104	22	104	104	105	24
9/6	102	103	103	24	103	103	104	22	101	101	101	24	103	103	104	22	104	104	105	24
9/7	102	102	102	24	103	104	104	22	100	101	101	24	102	103	103	22	104	104	104	24
9/8	102	103	103	24	103	104	104	22	101	101	102	24	103	103	104	22	103	104	105	24
9/9	103	104	104	24	103	104	105	22	102	102	102	24	103	103	104	22	104	105	105	24
9/10	103	103	103	24	103	103	104	20	101	101	101	23	101	101	102	20	103	104	104	24
9/11	102	102	103	24	103	104	105	22	101	101	102	24	100	101	102	22	103	104	104	24
9/12	103	103	104	24	104	105	106	21	101	102	103	24	101	101	103	21	103	104	104	24
9/13	103	103	103	24	103	104	105	22	100	101	101	24	100	101	102	22	102	102	103	24
9/14	102	102	103	24	103	104	104	21	100	100	100	24	100	100	101	21	102	102	103	24
9/15	102	102	103	24	104	105	105	24	100	101	101	24	100	100	101	24	102	103	103	24
9/16	102	103	103	24	104	105	106	20	101	101	102	24	100	100	102	20	102	103	103	24
9/17	103	103	103	24	104	105	106	21	101	102	102	24	100	100	101	21	103	103	104	24
9/18	103	103	103	24	104	105	107	23	101	102	102	24	100	101	103	23	103	104	104	24

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
9/5	105	105	106	24	105	106	107	23	104	105	106	23	104	104	105	24	101	101	102	24
9/6	104	105	107	24	105	105	107	24	105	106	106	24	104	104	105	24	101	101	102	23
9/7	103	104	106	24	105	105	106	24	105	106	107	24	103	104	104	24	100	101	101	24
9/8	103	104	105	24	105	107	108	23	106	107	108	23	104	105	105	24	101	102	102	24
9/9	104	105	106	24	105	106	107	24	106	107	108	24	105	106	106	24	102	102	103	24
9/10	103	104	105	24	104	105	106	24	104	105	106	24	104	105	105	24	101	102	103	24
9/11	103	104	104	24	104	105	106	23	104	105	106	23	104	105	105	24	102	103	104	24
9/12	104	104	105	24	105	105	107	24	105	106	107	24	105	105	106	24	102	103	104	24
9/13	101	102	103	24	103	104	105	24	104	105	105	24	104	104	105	24	101	101	102	24
9/14	102	103	104	24	103	104	106	24	103	104	105	24	103	104	105	24	100	101	102	24
9/15	102	102	103	24	102	104	104	23	104	104	105	23	103	104	104	24	101	102	102	24
9/16	101	102	103	24	102	102	104	14	103	103	105	14	103	104	105	24	101	102	102	24
9/17	102	103	104	24	---	---	---	0	---	---	---	0	104	104	105	24	101	102	102	24
9/18	103	104	105	24	---	---	---	0	---	---	---	0	104	104	105	24	101	101	102	24

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
9/5	103	104	104	24	104	104	104	24	101	102	103	24	103	103	104	24	103	103	103	24
9/6	103	104	104	24	103	103	104	24	101	102	104	24	102	103	103	24	101	102	103	24
9/7	103	104	104	24	103	104	104	24	101	101	102	24	103	104	104	24	103	103	104	24
9/8	103	104	105	24	104	104	105	24	101	102	103	24	103	104	105	24	103	104	105	24
9/9	104	105	105	24	105	105	105	24	101	102	103	24	103	104	104	24	104	104	105	24
9/10	104	104	105	24	104	104	104	24	99	101	102	24	103	103	104	24	102	102	103	24
9/11	104	105	105	24	104	105	105	24	100	101	102	24	103	104	104	24	102	103	104	24
9/12	104	105	105	24	105	105	105	24	101	102	104	24	103	104	104	24	104	104	106	24
9/13	103	104	104	24	104	104	104	24	100	101	103	24	102	102	102	24	102	102	103	24
9/14	102	103	104	24	103	104	104	24	99	101	102	24	102	103	103	24	101	102	102	24
9/15	103	104	104	24	103	104	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/16	103	103	104	24	103	103	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/17	103	104	104	24	104	104	104	24	---	---	---	0	---	---	---	0	---	---	---	0
9/18	103	104	104	24	104	104	105	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

	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
9/5	103	103	104	24	103	104	104	24	101	101	102	24	---	---	---	0	102	103	104	24
9/6	103	103	104	24	103	103	103	24	101	102	102	24	102	103	104	24	102	103	104	24
9/7	103	104	104	24	102	102	103	24	101	102	102	24	102	103	104	24	102	103	104	24
9/8	104	104	105	24	102	103	104	24	102	102	103	23	---	---	---	0	102	103	105	24
9/9	104	104	105	24	103	104	105	24	102	103	103	24	102	103	104	24	108	114	122	24
9/10	103	103	108	24	102	102	103	24	102	102	102	24	101	103	104	24	120	121	122	24
9/11	102	103	103	24	101	102	102	24	101	102	102	24	101	103	104	24	111	119	119	24
9/12	104	104	104	24	103	103	104	24	102	102	103	24	102	103	105	24	102	103	105	24
9/13	103	104	104	24	102	102	102	24	101	102	102	24	101	103	104	24	101	102	104	24
9/14	103	103	104	24	102	103	103	24	101	102	103	24	101	103	106	24	101	102	104	24
9/15	---	---	---	0	102	103	104	24	101	102	103	24	101	104	106	24	102	103	104	24
9/16	---	---	---	0	103	104	105	24	102	102	103	24	102	104	106	24	102	103	104	24
9/17	---	---	---	0	103	103	104	24	102	102	103	24	102	104	106	24	102	103	104	24
9/18	---	---	---	0	103	104	104	24	102	102	103	24	102	104	106	24	102	103	104	24

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
9/5	102	103	105	24	100	100	101	24	100	101	101	24	104	105	105	24	104	104	105	24
9/6	102	104	105	24	101	101	101	22	101	101	102	22	104	105	105	24	104	104	104	24
9/7	102	104	105	24	101	101	101	24	101	101	102	24	103	104	104	24	102	103	103	24
9/8	102	104	105	24	101	102	103	24	102	103	103	24	103	104	104	24	102	102	103	24
9/9	102	104	105	24	103	104	107	24	103	104	105	24	102	103	103	24	101	102	102	24
9/10	102	103	105	24	102	102	104	24	101	102	104	24	100	101	101	24	100	100	100	24
9/11	102	104	106	24	101	102	104	24	100	101	101	24	101	102	103	24	99	100	101	24
9/12	102	104	106	24	103	104	106	24	102	102	103	24	100	100	101	24	100	100	101	24
9/13	102	103	105	24	102	102	103	24	100	101	101	24	99	100	101	24	99	100	101	24
9/14	102	104	106	24	101	101	102	24	100	101	102	24	101	101	101	24	99	100	100	24
9/15	102	104	105	24	103	104	105	24	101	102	103	24	101	101	102	24	100	100	101	24
9/16	102	104	105	24	105	105	106	24	103	104	104	24	102	102	103	24	100	101	102	24
9/17	102	104	105	24	105	105	106	24	103	104	104	24	102	102	102	24	101	101	101	24
9/18	102	103	105	24	103	104	104	24	102	103	103	24	101	102	102	24	101	101	101	24

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
9/5	104	104	105	24	125	138	139	24	108	108	108	24	108	108	110	24	---	---	---	0
9/6	104	104	104	24	137	138	139	24	106	106	107	24	106	107	107	24	---	---	---	0
9/7	102	103	103	24	137	138	139	24	103	104	104	24	104	105	106	24	---	---	---	0
9/8	102	103	103	24	119	133	137	24	102	103	103	24	104	105	106	24	---	---	---	0
9/9	103	103	104	24	104	104	104	24	103	103	104	24	104	105	106	24	---	---	---	0
9/10	102	102	103	24	103	103	104	24	103	103	103	24	104	104	104	24	---	---	---	0
9/11	103	103	103	24	103	103	104	24	103	103	104	24	104	105	107	24	---	---	---	0
9/12	102	103	103	24	102	103	104	24	102	102	103	24	104	105	107	24	---	---	---	0
9/13	101	101	102	24	101	101	102	24	101	101	101	24	102	103	104	24	---	---	---	0
9/14	100	101	101	24	100	100	101	24	100	100	101	24	101	102	103	24	---	---	---	0
9/15	100	100	100	24	100	100	101	24	100	100	101	24	102	103	104	24	---	---	---	0
9/16	100	100	101	24	100	100	101	24	100	101	101	24	102	103	104	24	---	---	---	0
9/17	100	100	101	24	100	100	101	24	101	101	102	24	103	103	109	24	---	---	---	0
9/18	100	100	101	24	100	100	101	24	101	102	102	24	103	103	104	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

	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
9/5	102	103	103	24	102	103	103	24	101	101	102	24	101	101	102	24	101	101	101	24
9/6	103	103	104	24	102	103	103	24	102	102	103	24	101	102	102	24	101	101	102	24
9/7	104	104	105	24	103	104	104	24	103	104	104	24	102	103	103	24	101	101	101	24
9/8	104	106	107	24	103	104	104	24	104	104	104	24	103	104	104	24	102	102	103	24
9/9	104	105	106	24	104	104	104	24	104	104	105	24	104	104	105	24	103	103	104	24
9/10	103	103	104	24	103	103	103	24	103	103	104	24	103	103	104	24	102	102	103	24
9/11	103	103	104	24	102	103	103	24	103	104	105	24	103	104	104	24	102	103	103	24
9/12	103	103	103	24	102	103	103	24	103	103	104	24	103	104	104	24	103	103	103	24
9/13	101	102	103	24	102	102	103	24	102	102	103	24	103	103	103	24	102	102	102	24
9/14	102	102	103	24	101	102	102	24	102	102	103	24	102	102	103	24	101	101	102	24
9/15	101	101	102	24	101	101	101	24	101	102	103	21	102	102	102	21	101	102	102	24
9/16	102	102	103	24	101	101	102	24	101	101	101	12	102	102	103	24	102	102	102	14
9/17	102	102	103	24	101	102	102	24	---	---	---	0	101	102	102	24	---	---	---	0
9/18	102	102	103	24	102	102	102	24	---	---	---	0	102	102	103	24	---	---	---	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
9/5	102	102	102	24	102	102	102	24	---	---	---	0	104	104	105	24	112	114	117	24
9/6	102	103	103	24	101	101	101	24	---	---	---	0	103	103	104	24	111	112	115	24
9/7	103	103	104	24	101	101	102	24	---	---	---	0	103	103	104	24	110	113	117	24
9/8	103	104	104	24	102	102	102	24	---	---	---	0	103	103	104	24	109	111	114	24
9/9	104	104	104	24	102	102	102	24	---	---	---	0	103	103	104	24	111	113	115	24
9/10	103	103	104	24	101	102	102	24	---	---	---	0	102	103	104	24	110	111	114	24
9/11	103	104	105	24	101	102	102	24	---	---	---	0	102	103	104	24	111	113	115	24
9/12	104	104	105	24	101	101	102	24	---	---	---	0	102	103	103	24	110	112	115	24
9/13	103	103	104	24	101	102	102	24	---	---	---	0	102	103	103	24	111	113	115	24
9/14	103	103	103	24	101	101	101	24	---	---	---	0	102	103	103	24	112	114	117	24
9/15	103	103	104	24	100	101	101	24	---	---	---	0	102	102	103	24	112	114	116	24
9/16	103	104	104	24	101	102	102	24	---	---	---	0	102	103	104	24	112	115	118	24
9/17	103	104	104	24	102	102	102	11	105	105	106	9	103	104	105	24	113	116	119	24
9/18	103	103	103	24	---	---	---	0	104	104	105	24	103	103	103	24	110	112	114	24

Two-Week Summary of Passage Indices

Source: Fish Passage Center Updated: 9/19/2008 9:08

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								
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
09/05/2008	*	---	---	---	---	0	0	0	---	0	0	0
09/06/2008	*	---	---	---	---	0	0	0	---	0	0	0
09/07/2008		---	---	---	---	0	0	0	---	0	0	0
09/08/2008	*	---	---	---	---	0	0	0	---	0	0	0
09/09/2008		---	---	---	---	0	0	0	---	0	0	0
09/10/2008		---	---	---	---	1	0	0	---	0	0	0
09/11/2008		---	---	---	---	2	0	0	---	0	0	0
09/12/2008		---	---	---	---	2	0	0	---	0	0	0
09/13/2008		---	---	---	---	1	0	0	---	0	0	0
09/14/2008		---	---	---	---	0	0	0	---	0	0	0
09/15/2008		---	---	---	---	1	0	0	---	0	5	0
09/16/2008		---	---	---	---	1	0	0	---	0	---	0
09/17/2008		---	---	---	---	0	0	0	---	0	---	0
09/18/2008	*	---	---	---	---	1	0	0	---	0	---	0
09/19/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**9**	**0**	**0**	**0**	**0**	**5**	**0**
# Days:		**0**	**0**	**0**	**0**	**14**	**14**	**14**	**0**	**14**	**11**	**14**
Average:		**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**
YTD		**56,037**	**78,597**	**19,672**	**13,632**	**3,584,869**	**2,743,412**	**1,971,519**	**22,434**	**1,360,627**	**1,694,104**	**1,291,078**

				COMBINED SUBYEARLING CHINOOK								
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
09/05/2008	*	---	---	---	---	224	25	14	---	1,325	2,434	1,659
09/06/2008	*	---	---	---	---	188	17	21	---	570	1,315	1,786
09/07/2008		---	---	---	---	190	13	16	---	825	699	791
09/08/2008	*	---	---	---	---	160	13	30	---	410	427	304
09/09/2008		---	---	---	---	275	27	66	---	515	595	421
09/10/2008		---	---	---	---	431	17	70	---	675	353	214
09/11/2008		---	---	---	---	211	10	31	---	690	447	656
09/12/2008		---	---	---	---	506	18	50	---	830	309	264
09/13/2008		---	---	---	---	548	10	26	---	440	121	185
09/14/2008		---	---	---	---	220	11	68	---	270	116	153
09/15/2008		---	---	---	---	246	10	11	---	230	172	136
09/16/2008		---	---	---	---	307	5	49	---	150	---	146
09/17/2008		---	---	---	---	284	7	53	---	150	---	164
09/18/2008	*	---	---	---	---	239	14	24	---	360	---	215
09/19/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**4,029**	**197**	**529**	**0**	**7,440**	**6,988**	**7,094**
# Days:		**0**	**0**	**0**	**0**	**14**	**14**	**14**	**0**	**14**	**11**	**14**
Average:		**0**	**0**	**0**	**0**	**288**	**14**	**38**	**0**	**531**	**635**	**507**
YTD		**0**	**0**	**2**	**119**	**742,696**	**1,130,218**	**332,001**	**16,069**	**2,409,158**	**1,780,674**	**3,762,830**

Two-Week Summary of Passage Indices

				COMBINED COHO								
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
09/05/2008	*	---	---	---	---	1	1	0	---	0	0	0
09/06/2008	*	---	---	---	---	0	1	0	---	0	0	19
09/07/2008		---	---	---	---	3	0	0	---	0	0	0
09/08/2008	*	---	---	---	---	2	0	0	---	0	0	0
09/09/2008		---	---	---	---	0	0	0	---	0	0	0
09/10/2008		---	---	---	---	0	1	0	---	0	0	0
09/11/2008		---	---	---	---	0	0	0	---	0	0	0
09/12/2008		---	---	---	---	0	0	0	---	0	0	0
09/13/2008		---	---	---	---	0	0	0	---	0	0	0
09/14/2008		---	---	---	---	1	0	0	---	0	0	0
09/15/2008		---	---	---	---	0	1	0	---	0	0	0
09/16/2008		---	---	---	---	1	0	0	---	0	---	0
09/17/2008		---	---	---	---	0	2	0	---	0	---	0
09/18/2008	*	---	---	---	---	0	1	0	---	0	---	0
09/19/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**8**	**7**	**0**	**0**	**0**	**0**	**19**
# Days:		**0**	**0**	**0**	**0**	**14**	**14**	**14**	**0**	**14**	**11**	**14**
Average:		**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**1**
YTD		**0**	**0**	**0**	**326**	**109,013**	**166,110**	**142,692**	**52,278**	**169,484**	**362,537**	**358,733**

				COMBINED STEELHEAD								
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
09/05/2008	*	---	---	---	---	1	0	0	---	0	0	0
09/06/2008	*	---	---	---	---	0	0	0	---	0	0	0
09/07/2008		---	---	---	---	0	1	0	---	0	0	0
09/08/2008	*	---	---	---	---	0	0	0	---	0	0	0
09/09/2008		---	---	---	---	0	0	0	---	0	0	0
09/10/2008		---	---	---	---	0	2	1	---	0	0	0
09/11/2008		---	---	---	---	3	0	0	---	0	0	0
09/12/2008		---	---	---	---	1	0	0	---	0	0	0
09/13/2008		---	---	---	---	0	0	0	---	0	0	0
09/14/2008		---	---	---	---	0	0	0	---	0	0	0
09/15/2008		---	---	---	---	0	0	0	---	0	0	0
09/16/2008		---	---	---	---	1	1	1	---	0	---	0
09/17/2008		---	---	---	---	2	0	0	---	0	---	0
09/18/2008	*	---	---	---	---	0	0	0	---	0	---	0
09/19/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**8**	**4**	**2**	**0**	**0**	**0**	**0**
# Days:		**0**	**0**	**0**	**0**	**14**	**14**	**14**	**0**	**14**	**11**	**14**
Average:		**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**
YTD		**4,565**	**22,292**	**5,891**	**10,708**	**3,444,099**	**3,694,319**	**1,546,175**	**22,780**	**507,334**	**1,132,951**	**450,264**

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)
09/05/2008	*	---	---	---	---	11	1	0	---	5	0	0
09/06/2008	*	---	---	---	---	10	3	0	---	0	0	19
09/07/2008		---	---	---	---	6	3	0	---	0	0	0
09/08/2008	*	---	---	---	---	18	0	0	---	0	0	0
09/09/2008		---	---	---	---	7	0	0	---	0	0	0
09/10/2008		---	---	---	---	4	0	0	---	0	0	0
09/11/2008		---	---	---	---	8	3	0	---	0	5	0
09/12/2008		---	---	---	---	3	1	1	---	0	0	0
09/13/2008		---	---	---	---	7	1	0	---	0	5	0
09/14/2008		---	---	---	---	8	3	1	---	0	0	0
09/15/2008		---	---	---	---	4	3	0	---	0	0	0
09/16/2008		---	---	---	---	4	0	0	---	0	---	0
09/17/2008		---	---	---	---	4	2	0	---	0	---	0
09/18/2008	*	---	---	---	---	5	0	0	---	0	---	0
09/19/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**99**	**20**	**2**	**0**	**5**	**10**	**19**
# Days:		**0**	**0**	**0**	**0**	**14**	**14**	**14**	**0**	**14**	**11**	**14**
Average:		**0**	**0**	**0**	**0**	**7**	**1**	**0**	**0**	**0**	**1**	**1**
YTD		**37**	**0**	**0**	**111**	**27,819**	**36,663**	**45,482**	**38,965**	**223,005**	**331,861**	**145,395**

* 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: 9/19/08 9:57 AM

09/05/08 TO 09/19/08

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	4,028	9	8	99	8	4,152
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	1,720	0	0	0	0	1,720
	Sum of Numbertrucked	2,279	9	8	88	8	2,392
	Sum of SampleMorts	23	0	0	11	0	34
	Sum of FacilityMorts	0	0	0	0	0	0
	Sum of ResearchMorts	6	0	0	0	0	6
	Sum of TotalProjectMorts	29	0	0	11	0	40
LGS	Sum of NumberCollected	197		7	20	4	228
	Sum of NumberBarged	0		0	0	0	0
	Sum of NumberBypassed	0		0	0	0	0
	Sum of Numbertrucked	186		7	20	4	217
	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
LMN	Sum of NumberCollected	529			2	2	533
	Sum of NumberBarged	0			0	0	0
	Sum of NumberBypassed	0			0	0	0
	Sum of Numbertrucked	508			2	2	512
	Sum of SampleMorts	19			0	0	19
	Sum of FacilityMorts	2			0	0	2
	Sum of ResearchMorts	0			0	0	0
	Sum of TotalProjectMorts	21			0	0	21
MCN	Sum of NumberCollected	7,790			5		7,795
	Sum of NumberBarged	0			0		0
	Sum of NumberBypassed	0			0		0
	Sum of Numbertrucked	7,342			5		7,347
	Sum of SampleMorts	14			0		14
	Sum of FacilityMorts	85			0		85
	Sum of ResearchMorts	0			0		0
	Sum of TotalProjectMorts	99			0		99
Total Sum of NumberCollected		12,544	9	15	126	14	12,708
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		1,720	0	0	0	0	1,720
Total Sum of Numbertrucked		10,315	9	15	115	14	10,468
Total Sum of SampleMorts		65	0	0	11	0	76
Total Sum of FacilityMorts		89	0	0	0	0	89
Total Sum of ResearchMorts		6	0	0	0	0	6
Total Sum of TotalProjectMorts		160	0	0	11	0	171

YTD Transportation Summary

Source: Fish Passage Center Updated: 9/19/08 9:57 AM

TO: 09/19/08

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	422,561	2,398,643	68,824	13,545	2,165,424	5,068,997
	Sum of NumberBarged	401,738	1,966,900	66,905	12,865	1,786,609	4,235,017
	Sum of NumberBypassed	4,627	425,949	1,848	424	377,930	810,778
	Sum of NumberTrucked	8,933	10	25	167	16	9,151
	Sum of SampleMorts	447	154	2	52	51	706
	Sum of FacilityMorts	1,680	2,841	44	37	818	5,420
	Sum of ResearchMorts	5,136	2,789	0	0	0	7,925
	Sum of TotalProjectMorts	7,263	5,784	46	89	869	14,051
LGS	Sum of NumberCollected	744,931	1,706,946	95,879	21,880	2,309,434	4,879,070
	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	9,465	2	17	57	9	9,550
	Sum of SampleMorts	207	40	1	7	14	269
	Sum of FacilityMorts	1,764	3,451	4	27	458	5,704
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1,971	3,491	5	34	472	5,973
LMN	Sum of NumberCollected	241,755	1,216,521	83,198	28,106	957,129	2,526,709
	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	1,813	3	0	2	4	1,822
	Sum of SampleMorts	88	39	0	0	22	149
	Sum of FacilityMorts	376	798	3	1	207	1,385
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	464	837	3	1	229	1,534
MCN	Sum of NumberCollected	1,183,661	752,385	78,675	102,310	276,935	2,393,966
	Sum of NumberBarged	349,594	164	50	120	55	349,983
	Sum of NumberBypassed	749,935	751,376	78,558	102,005	276,615	1,958,489
	Sum of NumberTrucked	74,772	11	5	36	0	74,824
	Sum of SampleMorts	556	112	3	23	25	719
	Sum of FacilityMorts	8,368	658	56	114	218	9,414
	Sum of ResearchMorts	87	58	3	5	20	173
	Sum of TotalProjectMorts	9,011	828	62	142	263	10,306
Total Sum of NumberCollected		2,592,908	6,074,495	326,576	165,841	5,708,922	14,868,742
Total Sum of NumberBarged		1,716,634	3,557,659	169,293	44,829	3,607,124	9,095,539
Total Sum of NumberBypassed		762,233	2,506,855	157,120	120,477	2,099,934	5,646,619
Total Sum of NumberTrucked		94,983	26	47	262	29	95,347
Total Sum of SampleMorts		1,298	345	6	82	112	1,843
Total Sum of FacilityMorts		12,188	7,748	107	179	1,701	21,923
Total Sum of ResearchMorts		5,223	2,847	3	5	20	8,098
Total Sum of TotalProjectMorts		18,709	10,940	116	266	1,833	31,864

Cumulative Adult Passage at Mainstem Dams Through: 09/18

		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	**09/18**	**125545**	**17552**	**67482**	**16860**	**151523**	**9831**	**78271**	**11621**	**47412**	**13539**	**71262**	**9127**	**274937**	**31825**	**116109**	**28282**	**292593**	**25923**
TDA	**09/18**	**95440**	**15801**	**53524**	**15567**	**106828**	**7522**	**65073**	**12206**	**40123**	**11318**	**61862**	**6875**	**132122**	**28698**	**57538**	**18684**	**136164**	**16855**
JDA	**09/18**	**81771**	**14925**	**44005**	**13864**	**89148**	**6122**	**63649**	**13680**	**35773**	**11582**	**57243**	**6930**	**98228**	**23967**	**38391**	**16052**	**91658**	**13273**
MCN	**09/18**	**68085**	**12133**	**39497**	**12393**	**82136**	**6227**	**54735**	**11239**	**32393**	**9386**	**55163**	**6274**	**63298**	**13076**	**27275**	**10570**	**61962**	**9127**
IHR	**09/17**	**53142**	**7757**	**28380**	**7371**	**54980**	**3897**	**23693**	**4964**	**7714**	**2523**	**11420**	**2100**	**17169**	**3224**	**7097**	**3258**	**6954**	**2397**
LMN	**09/18**	**54512**	**6885**	**28397**	**7102**	**52688**	**3599**	**27345**	**2890**	**11452**	**1419**	**11417**	**1651**	**15206**	**4315**	**7657**	**2708**	**6309**	**1780**
LGS	**09/18**	**50401**	**7805**	**23960**	**7227**	**50024**	**3685**	**21748**	**4811**	**7898**	**2861**	**9497**	**2073**	**12343**	**2184**	**4468**	**1861**	**4639**	**1224**
LGR	**09/18**	**50146**	**10946**	**22905**	**9085**	**50643**	**4197**	**22612**	**5072**	**7312**	**3285**	**9346**	**2279**	**11323**	**2881**	**4558**	**2069**	**3845**	**1352**
PRD	**09/15**	**12173**	**620**	**6708**	**489**	**17360**	**563**	**39305**	**3355**	**30644**	**1088**	**50486**	**2111**	**12118**	**9954**	**6285**	**1742**	**14787**	**1423**
RIS	**09/17**	**12490**	**1119**	**5572**	**2066**	**13979**	**962**	**38171**	**3096**	**28222**	**6200**	**47383**	**5323**	**3601**	**2197**	**2405**	**978**	**5299**	**1122**
RRH	**09/17**	**4065**	**371**	**2424**	**920**	**5404**	**397**	**29675**	**2127**	**21657**	**5110**	**35386**	**3711**	**3280**	**2273**	**1904**	**666**	**3702**	**1055**
WEL	**09/17**	**2708**	**426**	**2041**	**752**	**3980**	**281**	**21060**	**1373**	**13244**	**3573**	**25854**	**1953**	**1691**	**1023**	**742**	**508**	**1880**	**584**
WFA	**08/15**	**14219**	**525**	**22818**	**280**	**-**	**-**	**0**	**0**	**0**	**0**	**-**	**-**	**0**	**0**	**0**	**0**	**-**	**-**

	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	**65825**	**6012**	**47926**	**1876**	**60477**	**3122**	**213606**	**24376**	**58551**	**335120**	**290443**	**300686**	**100374**
TDA	**17868**	**3135**	**7677**	**1080**	**11778**	**1255**	**177984**	**19124**	**49462**	**210806**	**167691**	**178195**	**63980**
JDA	**17314**	**3518**	**6931**	**1883**	**7863**	**1096**	**193409**	**24262**	**54063**	**188332**	**127283**	**143540**	**57498**
MCN	**8464**	**1277**	**2754**	**467**	**3036**	**332**	**146924**	**18175**	**45006**	**128247**	**96141**	**99864**	**35126**
IHR	**1270**	**74**	**175**	**12**	**116**	**1**	**539**	**55**	**34**	**90287**	**50587**	**57685**	**22859**
LMN	**1031**	**78**	**96**	**12**	**78**	**3**	**721**	**43**	**33**	**86819**	**48398**	**51732**	**23971**
LGS	**561**	**63**	**97**	**17**	**61**	**3**	**593**	**37**	**37**	**64251**	**26498**	**37404**	**16468**
LGR	**351**	**74**	**9**	**2**	**27**	**1**	**891**	**53**	**42**	**57605**	**29519**	**35801**	**16185**
PRD	**733**	**117**	**240**	**14**	**264**	**68**	**192217**	**24643**	**56270**	**13219**	**10359**	**10338**	**0**
RIS	**276**	**129**	**99**	**75**	**142**	**2**	**193730**	**25119**	**52567**	**12887**	**8928**	**9272**	**5168**
RRH	**22**	**34**	**5**	**11**	**15**	**0**	**161328**	**20672**	**36855**	**9914**	**5836**	**6654**	**3456**
WEL	**0**	**0**	**0**	**0**	**0**	**0**	**165325**	**22239**	**36815**	**5638**	**3855**	**4406**	**2457**
WFA	**20**	**18**	**2**	**0**	**-**	**-**	**0**	**0**	**-**	**18440**	**18639**	**-**	**-**

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: 09/19/08

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