Fish Passage Center

Weekly Report #08 - 28

September 12, 2008

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 0% and 94% of average at individual sub-basins over the beginning of September. Precipitation above The Dalles has been 25% of average over September. Over the entire water year, precipitation has generally been near average.

Table 1. Summary of September 1-8 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 1-8		Water Year 2008 October 1, 2007 to September 8, 2008	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.20	48	23.99	98
Snake River Above Ice Harbor	0.03	9	16.03	93
Columbia Above The Dalles	0.09	25	21.66	96
Kootenai	0.12	28	22.37	89
Clark Fork	0.30	94	18.06	106
Flathead	0.22	51	22.19	99
Pend Oreille/ Spokane	0.02	5	30.08	99
Central Washington	0.00	0	6.17	70
Snake River Plain	0.02	7	8.27	75
Salmon/Boise/ Payette	0.00	2	18.75	97
Clearwater	0.02	3	29.75	100
SW Washington Cascades/Cowlitz	0.00	0	63.94	92
Willamette Valley	0.00	0	58.59	100

Grand Coulee is currently at 1281.5 feet (9-11-08) and refilled 0.8 feet last week. Outflows have ranged between 48.9 and 67.0 Kcfs over the last week. Inflows last week have ranged between 68.5 Kcfs and 82.9 Kcfs.

The Libby Reservoir is currently (9-11-08) at an elevation of 2441.3 feet, drafting 0.2 feet last week. Inflows at Libby have ranged between 4.3 Kcfs and 7.3 Kcfs over the last week. Outflows at Libby are currently 6.0 Kcfs.

Hungry Horse is currently at an elevation of 3537.6 ft (9-11-08), and has drafted 1.9 feet last week. Outflows at Hungry Horse remain at 4.1 Kcfs; inflows have ranged between 0.3 Kcfs and 2.3 Kcfs last week.

Dworshak is currently (9-11-08) at 1522.9 feet and has drafted 5.4 feet last week. Outflows at Dworshak have been reduced 4.7 Kcfs. Inflows have ranged between 0.9 and 1.2 Kcfs last week.

The Brownlee Reservoir is at an elevation of 2046.3 feet (September 11th, 2008), and has drafted 5.2 feet last week. Outflows at Brownlee Dam have been 12.5 to 17.5 Kcfs over the last week. Inflows at Brownlee Dam have been 8.6 to 10.3 Kcfs over the last week.

Smolt Monitoring:

At all SMP sites subyearling Chinook continue to be the primary salmonid species that are currently being collected. Over the past week, Lower Granite Dam continued to see a small but unusual number of sockeye (possibly kokanee) fry in their collections. At Lower Granite Dam in the Snake River the daily passage indices for subyearling Chinook averaged about 250 per day this past week compared to about 330 per day the previous week. PIT-tag data suggest that hatchery origin fish predominate—especially releases of fall Chinook surrogates from Big Canyon Creek. Passage indices for subyearling Chinook continued to decline at Little Goose Dam.

The passage indices for subyearling Chinook decreased at all of the lower Columbia River dams this week. The subyearling Chinook index at McNary Dam averaged 716 fish per day this week compared to about 2,300 fish per day last week. John Day Dam continued daily sampling this week. Passage indices at John Day Dam averaged nearly 900 fish per day over the past week. At Bonneville Dam, the passage index for subyearling Chinook averaged about 830 per day this week compared to just over 1,000 per day last week.

Hatchery Releases:

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 scheduled releases of juvenile salmonids to this zone this week and no releases are scheduled 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 7,851 to 11,553. The 2008 Bonneville Dam adult fall Chinook count of 224,539 is about 2.35 times greater than the 2007 and is 1.08 times greater than the 10 year average. The fall Chinook jack count of 24,306 is about 1.33 times greater than the 2007 count is about 1.44 times greater than the 10 year average. The adult fall Chinook count total at The Dalles Dam is 94,983, about 42.3% of the Bonneville passage total to date. The 2008 Lower Granite Dam adult fall Chinook count of 6,321 is about 3.58 times greater than the 2007 count of 1,766 and is about 4.47 times greater than the 10 year average count of 1,413.

As of September 10th, 302,470 steelhead had passed Bonneville Dam. The 2008 count is 1.09 times greater than the 2007 count of 277,026 and 1.11 times greater than the 10 year average of 272,298. The 2008 wild steelhead count at Bonneville Dam was 93,834 fish. The daily steelhead counts at The Dalles Dam ranged between 5,218 and 6,240 for the week with a cumulative count of 182,545. About 60.3% of the steelhead counted at Bonneville Dam had passed The Dalles Dam. The majority of the 90,695 steelhead at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor now at 58,473 for the season. The 2008 count Lower Granite Dam steelhead count of 35,016 was 1.81 times greater than the 2007 count and 1.60 times greater than the 10 year average. The cumulative count at Priest Rapids Dam was at 11,349 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 79,120 as of September 10th. The 2008 B-run steelhead count is 1.71 times greater than the 2007 count of 46,117 and is 1.34 times greater than the 10-year average of 59,081.

The coho salmon count at Bonneville Dam was 50,088 adults and 3,911 jacks as of September 10th. To date, the 2008 Bonneville coho adult count is about 1.58 times greater than the 2007 count of 31,628 and is 1.33 times greater than the 10 year average of 37,642. The 2008 Bonneville coho jack count is about 2.93 times greater than the 2007 count of 1,333 and is about 2.02

times greater than the 10 year average count of 1,938.

A note of caution when the chinook jack counts are considered. The COE does not includejack taht are equal or less than 12 inches, while the upper Columbia projects-(Priest Rapids and upstream) do include these “mini-jacks” in their jack count.

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
08/29/2008	106.8	0.1	100.1	0.0	104.4	0.0	109.3	8.5	106.5	0.0	114.5	1.3	111.5	2.7
08/30/2008	66.3	0.1	69.1	0.0	73.1	0.0	73.4	6.7	72.7	0.0	90.8	1.1	93.0	2.6
08/31/2008	74.0	0.1	71.0	0.0	71.3	0.3	67.9	5.8	65.2	0.0	58.8	1.8	55.9	2.6
09/01/2008	68.9	0.1	65.7	0.0	71.5	0.0	75.5	0.0	73.5	0.0	90.4	2.0	90.2	1.5
09/02/2008	65.4	0.1	76.4	0.0	84.4	0.0	85.6	0.0	84.5	0.0	88.2	2.0	85.5	0.7
09/03/2008	79.3	0.1	78.7	0.0	77.0	0.0	73.4	0.0	72.2	0.0	85.5	1.9	81.2	0.6
09/04/2008	61.1	0.1	57.9	0.0	65.8	0.0	69.2	0.0	67.6	0.0	75.3	2.0	74.5	0.8
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	---	---	---	---

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
08/29/2008	12.6	2.2	10.9	12.7	34.2	18.4	34.5	11.1	30.6	17.2	31.4	21.1
08/30/2008	12.6	2.2	10.6	10.1	34.3	18.3	33.8	11.1	31.9	17.5	35.3	24.8
08/31/2008	12.6	2.2	10.9	9.3	31.4	18.3	28.8	11.0	29.0	17.1	30.5	20.1
09/01/2008	11.0	0.5	10.9	9.3	27.9	0.0	26.7	0.0	25.1	0.0	24.7	0.1
09/02/2008	10.4	0.0	10.8	12.6	26.7	0.0	27.5	0.0	29.8	0.0	31.7	0.0
09/03/2008	10.5	0.0	13.4	15.6	32.4	0.0	31.8	0.0	32.0	0.0	32.5	0.0
09/04/2008	10.5	0.0	7.9	15.6	32.8	0.0	27.7	0.0	27.8	0.0	28.0	0.0
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	---	24.1	0.0	23.0	0.0	21.5	0.0	16.5	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
08/29/2008	140.6	56.5	135.6	40.7	135.6	54.4	144.0	95.1	0.0	36.9
08/30/2008	148.8	81.4	130.7	39.2	121.7	48.9	135.6	90.1	0.0	33.7
08/31/2008	119.3	62.8	114.2	34.1	116.0	46.3	125.0	81.8	0.0	31.3
09/01/2008	89.4	0.3	93.2	0.9	86.7	0.0	100.3	7.3	0.0	84.4
09/02/2008	117.6	0.0	114.6	0.9	113.7	0.0	109.9	7.2	2.6	93.2
09/03/2008	101.4	0.0	99.6	0.9	103.0	0.0	114.0	5.3	12.7	89.2
09/04/2008	111.1	0.0	103.7	0.8	103.3	0.0	112.8	1.4	42.5	62.0
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

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
8/29	104	105	105	24	105	106	106	22	103	104	104	24	106	107	109	22	105	105	105	24
8/30	104	105	105	24	105	106	107	23	104	104	104	24	105	106	107	23	104	105	105	24
8/31	104	104	105	24	104	104	105	22	103	103	104	24	104	105	106	22	104	104	104	24
9/1	102	103	103	24	103	103	103	24	102	102	102	24	103	104	104	24	103	103	104	24
9/2	102	103	103	24	103	104	105	24	101	101	102	24	103	103	104	24	102	102	103	24
9/3	102	103	103	24	103	104	104	22	101	101	102	24	102	103	104	22	103	104	104	24
9/4	103	103	103	24	103	104	105	23	101	101	101	24	103	104	104	23	103	104	104	24
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

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
8/29	104	105	106	24	104	105	106	24	105	106	107	24	105	105	105	24	109	110	110	24
8/30	105	106	107	24	104	104	105	24	104	105	106	24	105	105	105	24	107	107	108	24
8/31	105	106	107	24	103	104	105	24	104	105	105	24	104	104	104	24	105	106	106	24
9/1	103	104	106	24	103	103	104	24	103	104	105	24	103	103	103	24	102	103	105	24
9/2	103	103	104	24	103	103	104	24	103	104	104	24	102	103	103	24	101	101	102	24
9/3	104	104	106	24	103	104	105	24	103	104	105	24	103	103	104	24	101	101	102	24
9/4	104	104	105	24	103	104	105	23	104	104	105	23	103	104	105	24	101	102	102	24
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

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
8/29	107	108	108	24	107	107	108	24	102	104	106	24	106	106	107	24	104	105	106	24
8/30	106	106	107	24	106	106	107	24	104	104	105	24	105	106	106	24	104	104	105	3
8/31	104	105	105	24	104	104	105	24	102	103	103	24	103	103	103	3	102	102	103	24
9/1	103	104	105	24	103	104	104	24	101	102	102	24	103	103	103	24	101	101	102	24
9/2	102	103	103	24	102	103	103	24	100	101	102	24	103	103	104	24	101	102	102	24
9/3	103	103	104	24	103	103	103	24	100	101	102	24	103	103	104	24	101	102	103	24
9/4	103	104	104	24	103	103	104	24	100	101	103	24	103	103	104	24	102	103	104	24
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	---	---	---	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
8/29	105	106	106	24	104	105	106	24	107	107	107	24	106	107	108	24	102	104	105	24
8/30	105	105	106	24	104	104	104	24	107	107	107	24	106	106	107	24	101	102	103	24
8/31	103	104	104	24	102	103	103	24	107	107	107	24	105	106	107	24	101	101	103	24
9/1	102	103	103	24	101	102	102	24	102	104	106	24	103	103	104	24	100	101	102	24
9/2	102	103	103	24	102	103	103	24	101	101	101	24	101	102	103	24	101	102	104	24
9/3	103	103	104	24	102	103	104	24	101	101	102	24	102	103	103	24	102	103	104	24
9/4	103	103	104	24	103	103	104	24	101	101	102	24	101	102	103	24	101	102	103	24
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	---	---	---	0	101	102	102	24	101	102	102	24	101	103	104	24	111	119	119	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
8/29	104	106	107	24	102	102	102	24	112	112	112	24	106	106	106	24	108	109	111	24
8/30	103	105	106	24	101	102	102	24	111	112	112	24	106	107	107	24	107	108	108	24
8/31	103	104	106	24	101	101	101	24	111	111	112	24	106	107	107	24	110	110	111	24
9/1	102	104	105	24	100	101	101	24	101	102	109	24	105	105	106	24	105	106	110	24
9/2	102	103	105	24	101	101	101	24	101	102	104	24	104	104	105	24	104	104	104	24
9/3	102	104	105	24	100	100	101	24	101	101	101	24	104	104	104	24	104	104	104	24
9/4	102	103	105	24	99	100	100	24	100	100	100	24	104	105	105	24	104	104	105	24
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

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
8/29	105	106	106	24	116	116	116	24	108	108	108	24	113	113	114	14	---	---	---	0
8/30	106	106	107	24	115	116	116	24	108	108	108	24	113	114	115	24	---	---	---	0
8/31	105	106	107	24	115	116	116	24	107	107	108	24	112	113	113	24	---	---	---	0
9/1	105	105	105	24	105	106	114	24	107	107	107	24	108	108	112	24	---	---	---	0
9/2	104	104	104	24	104	104	105	24	107	108	108	24	107	108	109	24	---	---	---	0
9/3	103	103	103	24	103	103	103	24	108	108	108	24	108	108	109	24	---	---	---	0
9/4	104	104	105	24	104	104	105	24	108	108	108	24	108	108	109	24	---	---	---	0
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

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
8/29	103	104	105	24	116	116	116	24	102	102	102	24	115	115	115	24	106	107	107	24
8/30	103	103	104	24	114	115	116	24	102	102	102	24	114	114	114	24	105	106	106	24
8/31	103	103	104	24	116	116	116	24	101	102	102	24	113	114	114	24	103	103	104	24
9/1	102	103	103	24	104	105	114	24	100	100	101	24	101	101	105	24	102	103	103	24
9/2	102	102	103	24	102	102	102	24	100	100	100	24	100	101	101	24	102	102	103	24
9/3	102	102	102	24	102	102	102	24	100	100	100	24	100	101	101	24	100	101	101	24
9/4	102	103	103	24	102	102	102	24	100	101	101	24	100	101	101	24	100	100	101	24
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

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
8/29	113	113	114	24	106	106	107	24	---	---	---	0	115	116	117	24	116	118	119	24
8/30	112	112	113	24	105	105	106	24	---	---	---	0	111	112	113	24	116	117	119	24
8/31	111	111	111	24	103	104	105	24	---	---	---	0	110	111	111	24	115	116	118	24
9/1	105	107	111	24	101	101	102	24	---	---	---	0	110	111	112	24	116	117	119	24
9/2	103	104	104	24	102	102	103	24	---	---	---	0	105	107	110	24	117	118	120	24
9/3	102	102	102	24	103	103	103	24	---	---	---	0	104	104	105	24	116	119	121	24
9/4	101	102	102	24	102	103	103	24	---	---	---	0	104	105	105	24	111	113	116	24
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

Two-Week Summary of Passage Indices

Source: Fish Passage Center Updated: 9/12/2008 8:45

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)
08/29/2008	*	---	---	---	---	0	0	0	0	0	0	0
08/30/2008	*	---	---	---	---	0	0	0	0	0	---	0
08/31/2008	*	---	---	---	---	0	0	0	0	0	---	0
09/01/2008	*	---	---	---	---	2	0	0	0	0	0	0
09/02/2008		---	---	---	---	0	0	0	---	0	0	0
09/03/2008		---	---	---	---	0	0	0	---	0	0	0
09/04/2008		---	---	---	---	0	0	0	---	0	0	0
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		---	---	---	---	---	0	---	---	0	0	0
09/12/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**
# Days:		**0**	**0**	**0**	**0**	**13**	**14**	**13**	**4**	**14**	**12**	**14**
Average:		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
YTD		**56,037**	**78,597**	**19,672**	**13,632**	**3,584,861**	**2,743,412**	**1,971,519**	**22,434**	**1,360,627**	**1,694,099**	**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)
08/29/2008	*	---	---	---	---	444	117	111	8	4,063	722	773
08/30/2008	*	---	---	---	---	423	66	39	17	2,619	---	1,075
08/31/2008	*	---	---	---	---	329	83	49	12	3,668	---	730
09/01/2008	*	---	---	---	---	188	35	6	2	1,317	3,980	873
09/02/2008		---	---	---	---	225	17	65	---	850	1,933	1,067
09/03/2008		---	---	---	---	342	35	31	---	2,270	2,317	1,628
09/04/2008		---	---	---	---	374	41	13	---	1,570	1,026	1,131
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		---	---	---	---	---	10	---	---	690	447	656
09/12/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**3,793**	**516**	**531**	**39**	**21,367**	**16,248**	**13,108**
# Days:		**0**	**0**	**0**	**0**	**13**	**14**	**13**	**4**	**14**	**12**	**14**
Average:		**0**	**0**	**0**	**0**	**292**	**37**	**41**	**10**	**1,526**	**1,354**	**936**
YTD		**0**	**0**	**2**	**119**	**740,135**	**1,130,143**	**331,689**	**16,069**	**2,406,728**	**1,779,956**	**3,761,567**

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)
08/29/2008	*	---	---	---	---	5	0	0	0	0	0	0
08/30/2008	*	---	---	---	---	2	1	0	0	0	---	0
08/31/2008	*	---	---	---	---	0	2	0	0	0	---	15
09/01/2008	*	---	---	---	---	0	3	0	0	0	0	0
09/02/2008		---	---	---	---	2	0	0	---	0	0	0
09/03/2008		---	---	---	---	0	1	0	---	0	0	0
09/04/2008		---	---	---	---	2	0	0	---	0	0	0
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
09/12/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**17**	**10**	**0**	**0**	**0**	**0**	**34**
# Days:		**0**	**0**	**0**	**0**	**13**	**14**	**13**	**4**	**14**	**12**	**14**
Average:		**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**2**
YTD		**0**	**0**	**0**	**326**	**109,011**	**166,106**	**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)
08/29/2008	*	---	---	---	---	0	2	0	0	0	0	0
08/30/2008	*	---	---	---	---	0	0	0	0	0	---	0
08/31/2008	*	---	---	---	---	0	0	0	1	0	---	0
09/01/2008	*	---	---	---	---	0	0	0	1	0	0	0
09/02/2008		---	---	---	---	0	0	1	---	0	0	0
09/03/2008		---	---	---	---	0	1	0	---	0	0	0
09/04/2008		---	---	---	---	1	1	0	---	0	0	0
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		---	---	---	---	---	0	---	---	0	0	0
09/12/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**2**	**7**	**2**	**2**	**0**	**0**	**0**
# Days:		**0**	**0**	**0**	**0**	**13**	**14**	**13**	**4**	**14**	**12**	**14**
Average:		**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**
YTD		**4,565**	**22,292**	**5,891**	**10,708**	**3,444,092**	**3,694,318**	**1,546,174**	**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)
08/29/2008	*	---	---	---	---	27	5	0	0	0	0	0
08/30/2008	*	---	---	---	---	6	7	0	4	12	---	0
08/31/2008	*	---	---	---	---	22	8	0	0	13	---	0
09/01/2008	*	---	---	---	---	9	3	0	0	0	0	0
09/02/2008		---	---	---	---	6	1	0	---	0	0	0
09/03/2008		---	---	---	---	0	8	0	---	0	0	0
09/04/2008		---	---	---	---	4	6	0	---	5	0	0
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		---	---	---	---	---	3	---	---	0	5	0
09/12/2008		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**0**	**130**	**48**	**0**	**4**	**35**	**5**	**19**
# Days:		**0**	**0**	**0**	**0**	**13**	**14**	**13**	**4**	**14**	**12**	**14**
Average:		**0**	**0**	**0**	**0**	**10**	**3**	**0**	**1**	**3**	**0**	**1**
YTD		**37**	**0**	**0**	**111**	**27,776**	**36,653**	**45,480**	**38,965**	**223,005**	**331,856**	**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: 9/12/08 8:44 AM

08/29/08 TO 09/12/08

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	3,034	2	13	95	2	3,146
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	950	0	0	0	0	950
	Sum of Numbertrucked	2,311	2	15	79	3	2,410
	Sum of SampleMorts	13	0	0	18	0	31
	Sum of FacilityMorts	0	0	0	0	0	0
	Sum of ResearchMorts	1	0	0	0	0	1
	Sum of TotalProjectMorts	14	0	0	18	0	32
LGS	Sum of NumberCollected	411		8	40	6	465
	Sum of NumberBarged	0		0	0	0	0
	Sum of NumberBypassed	1		0	0	0	1
	Sum of Numbertrucked	466		8	38	6	518
	Sum of SampleMorts	12		0	2	0	14
	Sum of FacilityMorts	2		0	1	0	3
	Sum of ResearchMorts	0		0	0	0	0
	Sum of TotalProjectMorts	14		0	3	0	17
LMN	Sum of NumberCollected	411				2	413
	Sum of NumberBarged	0				0	0
	Sum of NumberBypassed	0				0	0
	Sum of Numbertrucked	413				2	415
	Sum of SampleMorts	19				0	19
	Sum of FacilityMorts	0				0	0
	Sum of ResearchMorts	0				0	0
	Sum of TotalProjectMorts	19				0	19
MCN	Sum of NumberCollected	15,797			22		15,819
	Sum of NumberBarged	0			0		0
	Sum of NumberBypassed	0			0		0
	Sum of Numbertrucked	17,351			21		17,372
	Sum of SampleMorts	24			0		24
	Sum of FacilityMorts	156			0		156
	Sum of ResearchMorts	0			0		0
	Sum of TotalProjectMorts	180			0		180
Total Sum of NumberCollected		19,653	2	21	157	10	19,843
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		951	0	0	0	0	951
Total Sum of Numbertrucked		20,541	2	23	138	11	20,715
Total Sum of SampleMorts		68	0	0	20	0	88
Total Sum of FacilityMorts		158	0	0	1	0	159
Total Sum of ResearchMorts		1	0	0	0	0	1
Total Sum of TotalProjectMorts		227	0	0	21	0	248

YTD Transportation Summary

Source: Fish Passage Center Updated: 9/12/08 8:44 AM

TO: 09/12/08

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	420,001	2,398,635	68,822	13,502	2,165,417	5,066,377
	Sum of NumberBarged	401,738	1,966,900	66,905	12,865	1,786,609	4,235,017
	Sum of NumberBypassed	3,530	425,949	1,848	424	377,930	809,681
	Sum of NumberTrucked	7,491	2	23	127	9	7,652
	Sum of SampleMorts	431	154	2	49	51	687
	Sum of FacilityMorts	1,680	2,841	44	37	818	5,420
	Sum of ResearchMorts	5,131	2,789	0	0	0	7,920
	Sum of TotalProjectMorts	7,242	5,784	46	86	869	14,027
LGS	Sum of NumberCollected	744,856	1,706,946	95,875	21,870	2,309,433	4,878,980
	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	9,387	2	13	44	8	9,454
	Sum of SampleMorts	201	40	1	7	14	263
	Sum of FacilityMorts	1,763	3,451	4	27	458	5,703
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1,964	3,491	5	34	472	5,966
LMN	Sum of NumberCollected	241,443	1,216,521	83,198	28,104	957,128	2,526,394
	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	1,511	3	0	0	3	1,517
	Sum of SampleMorts	80	39	0	0	22	141
	Sum of FacilityMorts	374	798	3	1	207	1,383
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	454	837	3	1	229	1,524
MCN	Sum of NumberCollected	1,180,881	752,385	78,675	102,310	276,935	2,391,186
	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	71,702	11	5	36	0	71,754
	Sum of SampleMorts	555	112	3	23	25	718
	Sum of FacilityMorts	8,328	658	56	114	218	9,374
	Sum of ResearchMorts	87	58	3	5	20	173
	Sum of TotalProjectMorts	8,970	828	62	142	263	10,265
Total Sum of NumberCollected		2,587,181	6,074,487	326,570	165,786	5,708,913	14,862,937
Total Sum of NumberBarged		1,716,634	3,557,659	169,293	44,829	3,607,124	9,095,539
Total Sum of NumberBypassed		761,136	2,506,855	157,120	120,477	2,099,934	5,645,522
Total Sum of NumberTrucked		90,091	18	41	207	20	90,377
Total Sum of SampleMorts		1,267	345	6	79	112	1,809
Total Sum of FacilityMorts		12,145	7,748	107	179	1,701	21,880
Total Sum of ResearchMorts		5,218	2,847	3	5	20	8,093
Total Sum of TotalProjectMorts		18,630	10,940	116	263	1,833	31,782

Cumulative Adult Passage at Mainstem Dams Through: 09/11

		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	**09/10**	**125545**	**17552**	**67482**	**16860**	**151523**	**9831**	**78271**	**11621**	**47412**	**13539**	**71262**	**9127**	**224539**	**24306**	**95459**	**18313**	**207600**	**16884**
TDA	**09/10**	**95440**	**15801**	**53524**	**15567**	**106828**	**7522**	**65073**	**12206**	**40123**	**11318**	**61862**	**6875**	**94983**	**19816**	**40987**	**10427**	**89527**	**9679**
JDA	**09/10**	**81771**	**14925**	**44005**	**13864**	**89148**	**6122**	**63649**	**13680**	**35773**	**11582**	**57243**	**6930**	**65539**	**16337**	**22369**	**7977**	**55167**	**6942**
MCN	**09/09**	**68085**	**12133**	**39497**	**12393**	**82136**	**6227**	**54735**	**11239**	**32393**	**9386**	**55163**	**6274**	**33941**	**6722**	**15490**	**3991**	**31798**	**3995**
IHR	**09/09**	**53142**	**7757**	**28380**	**7371**	**54980**	**3897**	**23693**	**4964**	**7714**	**2523**	**11420**	**2100**	**11281**	**1375**	**4109**	**943**	**3615**	**880**
LMN	**09/10**	**54512**	**6885**	**28397**	**7102**	**52688**	**3599**	**27345**	**2890**	**11452**	**1419**	**11417**	**1651**	**10375**	**2613**	**3887**	**916**	**3181**	**657**
LGS	**09/09**	**50401**	**7805**	**23960**	**7227**	**50024**	**3685**	**21748**	**4811**	**7898**	**2861**	**9497**	**2073**	**7807**	**1097**	**2183**	**509**	**1918**	**349**
LGR	**09/09**	**50146**	**10946**	**22905**	**9085**	**50643**	**4197**	**22612**	**5072**	**7312**	**3285**	**9346**	**2279**	**6321**	**1206**	**1766**	**398**	**1413**	**339**
PRD	**09/09**	**12173**	**620**	**6708**	**489**	**17360**	**563**	**39305**	**3355**	**30644**	**1088**	**50486**	**2111**	**6588**	**8046**	**4288**	**1218**	**10679**	**1021**
RIS	**09/10**	**12490**	**1119**	**5572**	**2066**	**13979**	**962**	**38171**	**3096**	**28222**	**6200**	**47383**	**5323**	**2221**	**1488**	**1939**	**750**	**3961**	**862**
RRH	**09/10**	**4065**	**371**	**2424**	**920**	**5404**	**397**	**29675**	**2127**	**21657**	**5110**	**35386**	**3711**	**2279**	**1514**	**1645**	**528**	**2936**	**829**
WEL	**09/10**	**2708**	**426**	**2041**	**752**	**3980**	**281**	**21060**	**1373**	**13244**	**3573**	**25854**	**1953**	**901**	**476**	**591**	**362**	**1403**	**428**
WFA	**08/13**	**14217**	**511**	**22804**	**272**	**-**	**-**	**0**	**0**	**0**	**0**	**-**	**-**	**0**	**0**	**0**	**0**	**-**	**-**

	Coho						Sockeye			Steelhead			
	2008		2007		10-Yr Avg.				10-Yr			10-Yr	Wild
DAM	Adult	Jack	Adult	Jack	Adult	Jack	2008	2007	Avg.	2008	2007	Avg.	2008
BON	**50088**	**3911**	**31628**	**1333**	**37642**	**1938**	**213602**	**24375**	**58551**	**302470**	**277026**	**272298**	**93834**
TDA	**14455**	**1983**	**3053**	**414**	**5279**	**567**	**177984**	**19124**	**49462**	**182545**	**127680**	**138598**	**58260**
JDA	**12371**	**1883**	**1846**	**696**	**2853**	**472**	**193409**	**24252**	**54061**	**158352**	**86013**	**100510**	**49485**
MCN	**2210**	**200**	**593**	**84**	**668**	**89**	**146920**	**18168**	**45006**	**90695**	**68636**	**65451**	**26976**
IHR	**196**	**3**	**66**	**1**	**24**	**0**	**539**	**55**	**34**	**58473**	**32372**	**35800**	**15489**
LMN	**250**	**27**	**25**	**2**	**8**	**2**	**721**	**43**	**33**	**60479**	**29400**	**31926**	**17982**
LGS	**40**	**7**	**13**	**3**	**2**	**0**	**593**	**37**	**37**	**37837**	**14741**	**21255**	**11048**
LGR	**4**	**6**	**0**	**0**	**0**	**0**	**890**	**53**	**42**	**35016**	**19274**	**21821**	**11182**
PRD	**180**	**36**	**87**	**6**	**61**	**5**	**192217**	**24643**	**56270**	**11349**	**8959**	**8747**	**0**
RIS	**16**	**27**	**8**	**20**	**16**	**0**	**193730**	**25119**	**52565**	**10630**	**7497**	**7421**	**4432**
RRH	**1**	**11**	**0**	**4**	**1**	**0**	**161326**	**20670**	**36853**	**8126**	**4779**	**5293**	**2884**
WEL	**0**	**0**	**0**	**0**	**0**	**0**	**165320**	**22237**	**36805**	**4536**	**2958**	**3475**	**2051**
WFA	**15**	**4**	**2**	**0**	**-**	**-**	**0**	**0**	**-**	**18416**	**18592**	**-**	**-**

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: 09/12/08

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