



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

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
09/05/2008	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

Date	Dworshak		Hells Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
09/05/2008	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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
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

	<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>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>				
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
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

<u>Date</u>	<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>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>				
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
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

<u>Date</u>	<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>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>				
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
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

Date	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						
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High					
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

Date	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						
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High					
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

Date	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						
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High					
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

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				
9/5	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

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>CamasWashougal</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				
9/5	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												
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (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		---	---	---	---	---	---	---	---	---	---	
<hr/>												
Total:		0	0	0	9	0	0	0	0	5	0	
# Days:		0	0	0	14	14	14	0	14	11	14	
Average:		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												
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (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		---	---	---	---	---	---	---	---	---	---	
<hr/>												
Total:		0	0	0	4,029	197	529	0	7,440	6,988	7,094	
# Days:		0	0	0	14	14	14	0	14	11	14	
Average:		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											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (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											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (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

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)
09/05/2008 *	---	---	---	---	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

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	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	-	-

DAM	Coho						Sockeye			Steelhead			Wild 2008
	2008		2007		10-Yr Avg.		2008	2007	10-Yr Avg.	2008	2007	10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack							
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