



Fish Passage Center Weekly Report #07 - 15

June 15, 2007

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 46% and 174% of average at individual sub-basins over June. Precipitation above The Dalles has been 46% of average for June 1 through June 11. Over the entire water year, precipitation has generally been near or above average.

Table 1. Summary of June precipitation and cumulative October through June 11 precipitation with respect to average (1971-2000), at select locations within the Columbia and Snake River Basins.

Location	Water Year 2007		Water Year 2007	
	June 1-11		October 1, 2006 to June 11, 2007	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.36	155	21.18	111
SNAKE RIVER ABOVE ICE HARBOR	0.88	165	11.98	85
Columbia Above The Dalles	1.12	46	19.15	103
Kootenai	1.45	161	22.78	117
Clark Fork	1.29	182	14.40	111
Flathead	1.06	110	18.00	105
Pend Oreille/Spokane	1.22	152	24.63	95
Central Washington	0.37	160	7.21	96
SNAKE RIVER PLAIN	0.61	174	7.02	78
SALMON/BOISE/PAYETTE	0.80	148	13.97	84
Clearwater	1.51	165	25.25	100
SW Washington Cascades/Cowlitz	0.82	76	63.16	99
Willamette Valley	1.07	129	56.27	103

Table 2 displays the May Final and June Final runoff volume forecasts for multiple reservoirs. Water Supply Forecasts at Libby and Hungry Horse Dams increased 5% and 6%, respectively. Water Supply Forecasts at Lower Granite Dam and Brownlee Dam decreased by 7% and 5%, respectively. The current forecast at The Dalles between January and July is 96400 Kaf (90% of average).

Table 2. May Final and June Final Runoff Volume Forecasts for various reservoirs within the Columbia and Snake River Basins.

Location	May Final		June Final	
	% Average (1971-2000)	Probable Runoff Volume (Kaf)	% Average (1971-2000)	Probable Runoff Volume (Kaf)
The Dalles (Jan-July)	92	99100	90	96400
Grand Coulee (Jan-July)	104	65300	103	64800
Libby Res. Inflow, MT (Jan-July)	108	6790	113	7150
Hungry Horse Res. Inflow, MT (Jan-July)	92	2050	98	2190
Lower Granite Res. Inflow (Apr-July)	66	14200	59	12800
Brownlee Res. Inflow (Apr-July)	48	3040	43	2720
Dworshak Res. Inflow (Apr-July), RFC Forecast	78	2060	70	1840
Dworshak Res. Inflow (Apr-July), COE Forecast	70 (May Final)	1868 (May Final)	69 (June Final)	1864 (June Final)

Grand Coulee Reservoir is at 1282.8 feet (6-14-07) and refilled 4.2 last week. Outflows at Grand Coulee ranged between 142 and 171.5 Kcfs last week.

Dworshak is currently at an elevation of 1599.3 feet (6-14-07) and refilled 1.9 feet last week. Outflows at Dworshak were decreased to 4.3 Kcfs on June 13th, 2007 as inflows decreased to 6.3 Kcfs.

The Libby Reservoir is currently at elevation 2436.5 feet (6-14-07) and refilled 10.3 feet last week. Outflows at Libby are currently at 15 Kcfs, where as, inflows are currently 35.1 Kcfs.

Hungry Horse is currently at an elevation of 3558.7 feet (6-14-07) and refilled 2.5 feet last week. Outflows at Hungry Horse are currently 3.6 Kcfs.

The Brownlee Reservoir was at an elevation of 2075.9 feet on June 14th, 2007, drafting slightly last week. Outflows at Brownlee Dam have been 10.2 to 13.5 Kcfs over the last week.

The Biological Opinion flow period began on April 3rd in the lower Snake River (Lower Granite) and on April 10th in the mid (Priest Rapids) and lower (McNary) Columbia River. According to the Water Supply Forecast (April Final), the flow objectives this spring are 85 Kcfs at Lower Granite, 237 Kcfs at McNary, and 135 Kcfs at Priest Rapids. The McNary Dam flow over the past week averaged 254.2 Kcfs and 248.5 Kcfs over the season. The Lower Granite Dam flow over the past week averaged 55.6 Kcfs and 62.4 Kcfs over the season. The Priest Rapids Dam flow over the past week averaged 186.3 Kcfs and 171.9 Kcfs over the season.

Spill: In accordance with the Court Order, spill was initiated at the Snake River Projects at 0001 hours on April 3, 2007. The Court Order calls for the following spill levels at the Federal Snake River Projects:

Project	Day/Night Spill
Lower Granite	20Kcfs/20Kcfs
Little Goose	30%/30%
Lower Monumental	Gas Cap/Gas Cap
Ice Harbor	30%/30% vs 45Kcfs/Gas Cap Study

Spill at Lower Granite Dam over the past week has been averaging between 19.8 and 20.0 Kcfs daily, slightly lower than the average 20 Kcfs specified in the Court Order. Little Goose Dam has met the Court Order over most of the past week. While the spill cap established by the COE has not changed significantly, the lower flows have resulted in being able to achieve the 30% of instantaneous flow contained in the Court Order.

According to the Court Order, spill at Lower Monumental Dam is gas cap spill for 24 hours daily. The total dissolved gas readings at the downstream project (Ice Harbor) have not exceeded the 115% waiver. The COE has been experimenting with increasing spill to 23.6 for half a day and providing a lower flow of 22.6 for the other half a day. This experiment is an effort to increase spill without exceeding gas waivers. The tailrace TDG was 120.2% on June 14.

Ice Harbor spill is being provided to achieve the study conditions specified in the Court's Order.

Court ordered spill at the lower Columbia projects began on April 10, 2007. The Court Order calls for the following spill levels at the Federal Lower Columbia River Projects:

Project	Day/Night Spill
McNary	40%/40%
John Day	0/60%
The Dalles	40%/40%
Bonneville	100Kcfs/100Kcfs

Spill at McNary Dam is meeting the Court's Order. Spill at John Day Dam has not met the Court's Order over the past week, but has been close to the Court's Order over the past three days. Spill at The Dalles did not meet the Court's Order on the night of June 8-9, but otherwise met the Court's Order over the past week. Total dissolved gas at The Dalles tailrace ranged from 115.3% and 116.9% over the past week.

Daily average spill at Bonneville Dam ranged from 98.2 Kcfs to 99.6 Kcfs over the past week, slightly less than the 100 Kcfs specified in the Court's Order. The tailrace average TDG reading has ranged between 117.6 % and 118.6 %, while the downstream forebay readings at

Camas/Washougal ranged between 111.8 % and 113.6%.

Total dissolved gas waivers were not exceeded at the federal hydroprojects throughout the past week, except for the tailrace of Lower Monumental Dam that showed a gas measurement of 120.2% on June 14. Gas bubble trauma (GBT) monitoring continued this week at Lower Granite, Little Goose, Lower Monumental, Rock Island, McNary and Bonneville dams. A higher than normal incidence of GBT in steelhead continued to be observed at Little Goose and Lower Monumental dams over the past week. Given that the total dissolved gas readings at Little Goose Dam and in Lower Monumental forebay are near 110%, the samples may be indicating that these late migrating steelhead are experiencing longer than normal transit times in the system at the current low flows. Monitoring of subyearling Chinook migrants suggest that they are not exhibiting these high rates of GBT.

Smolt Monitoring:

Snake River - Subyearling Chinook continue to predominate at the Snake River SMP sites, however, they have dropped substantially over the latter part of this week at Lower Granite, Little Goose, and Lower Monumental dams. The subyearling Chinook passage index at Lower Granite Dam ended the week at about one-fourth the level it started the week. Little Goose and Lower Monumental dams saw an increase at the start of the week to highs of 56,248 on June 10 at Little Goose and 9,746 on June 11 at Lower Monumental before dropping quickly over the next three to four days to end the week at 7,072 and 2,330, respectively. A continuing decrease in passage of spring migrants occurred at these dams, with the reporting period ending with the combined hatchery and wild steelhead being the predominant spring migrant still present. The weekly average passage index for steelhead was 1,525 at Lower Granite Dam and 5,253 at Little Goose Dam.

Mid-Columbia - At Rock Island Dam, the passage indices most spring migrants (coho, steelhead, and sockeye) continued to decrease this week, but that of yearling Chinook showed a

sizeable increase during the middle of this week reaching approximately 670 on both June 10 and 11 before decreasing again to levels in the low 100's. Unexpectedly, this week's passage indices of subyearling Chinook did not pick up from the high of 200 observed last week, and instead quickly dropped during the course of the week to levels of only 22 and 34 on the last two days of the reporting period.

Lower Columbia - At the lower Columbia monitoring sites (McNary, John Day, and Bonneville dams), the passage indices of spring migrants continued a typical downward trend for this time of the migration season; however, coho passage index levels have been fairly steady since the middle of last week. Subyearling Chinook passage indices have more than double this week over last week's levels at McNary, John Day, and Bonneville dams, with the greatest short-term increase of 30,608 to 51,809 occurring the last two reporting days of this week at McNary Dam.

Adult Fish Passage: The summer Chinook count began June 1st at Bonneville Dam. Daily passage numbers at Bonneville Dam have ranged between 797 and 1,100 adult summer Chinook in the last week. The 2007 summer Chinook count of 13,224 is about 69.4 percent of the 10-year average count and 48.4 percent of the 2006 count. The summer Chinook jack count of 3,358 at Bonneville Dam is presently 3.9 times greater than observed in 2006, and 2 times greater than the 10-year average count to date.

As of June 14th, 5,109 steelhead had passed Bonneville Dam which is 31 more salmon than the 2006 count. The 2007 Bonneville steelhead count is about 72.7 percent of the 10-year average. As of June 14th, 1,650,525 adult Shad have been counted at Bonneville Dam this season with daily counts ranging from 28,808 to 112,974. Adult sockeye are passing Bonneville with the count through June 14th at 2,818 salmon. This year's sockeye count is about 86.2 percent of the 2006 count and 60.2 percent of the 10-year average count.

As of June 14th, adult spring Chinook counts were 21,364 at Lower Granite Dam in the

Snake River. Spring Chinook are counted at Lower Granite Dam through June 17th. The 2007 spring Chinook count at Lower Granite has 34 fewer salmon than the 2006 count, but is only 42.6 percent of the 10-year average. The 2007 spring Chinook jack count of 8,740 is 9.6 times greater than the 2006 count and 2.8 times larger than the 10-year average count at Lower Granite Dam.

The 2007 spring Chinook adult count at Priest Rapids Dam in the upper Columbia River of 6,557 has 1,824 fewer salmon when compared to the 2006 count as of June 12th. Additionally, the 2007 Priest Rapids spring Chinook count is only 38.1 percent of the 10-year average. Spring Chinook are counted at Priest Rapids Dam through June 13th.

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. Approximately 25,000 subyearling fall Chinook were scheduled for release into the Selway River this week. In addition, a release of an estimated 500,000 subyearling fall Chinook from the Nez Perce Tribal Hatchery was scheduled to begin this week. Finally, approximately 40,000 spring Chinook parr were scheduled for release into Meadow Creek, a tributary of the Selway River. However, these spring Chinook parr are not anticipated to out-migrate until spring 2008. There were no other scheduled releases of juvenile salmonids in this zone this week.

There are no scheduled releases of juvenile salmonids into the Snake River 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. On June 13th, Wells Hatchery released 192,013 subyearling summer Chinook into the Mid-Columbia River. Furthermore, this week marked the beginning of two volitional releases totaling approximately 10.15 million subyearling fall Chinook from Priest Rapids and Ringold Hatcher-

ies. These releases began on June 13th and 14th, respectively, and are expected to run through the end of next week.

Other than the two above mentioned releases of subyearling fall Chinook that will end next week, there are no other scheduled releases of juvenile salmonids into 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. Just under 2.2 million subyearling fall Chinook were released from Klickitat Hatchery into the Klickitat River this week. There were no other scheduled releases of juvenile salmonids in this zone this week.

In addition to the above mentioned release, Klickitat Hatchery is scheduled to release an estimated 2.16 million subyearling fall Chinook into the Klickitat River, beginning June 18th. Also scheduled for release over the next two weeks are approximately 2.0 million subyearling fall Chinook from Little White Salmon NFH. These fish are scheduled for release into the Little White Salmon River on June 28th. There are no other scheduled releases of juvenile salmonids over the next two weeks in this zone.

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
06/01/07	121.2	0.3	133.7	0.0	153.7	16.6	153.0	5.0	162.0	16.6	175.5	47.8	172.6	13.0
06/02/07	113.2	0.3	109.1	0.0	135.0	12.8	144.8	14.3	155.9	29.8	168.8	41.0	168.4	12.3
06/03/07	89.6	0.3	90.3	0.0	113.4	10.9	115.2	11.2	129.5	28.0	158.0	33.2	157.7	11.5
06/04/07	141.9	0.2	136.8	0.0	161.2	13.7	156.5	19.1	168.8	35.6	162.8	34.7	153.0	10.6
06/05/07	115.8	0.3	126.7	0.0	157.0	16.3	167.3	17.3	183.1	36.0	193.9	67.2	182.2	16.7
06/06/07	120.3	0.3	118.4	0.0	142.3	10.0	144.1	14.9	157.7	35.2	169.5	40.8	169.7	12.7
06/07/07	154.9	0.2	151.3	0.0	176.4	13.1	169.9	21.5	173.7	35.1	181.7	48.8	171.2	16.5
06/08/07	171.5	0.3	171.3	0.0	191.4	29.2	189.0	27.9	194.0	40.1	208.3	60.9	203.5	32.7
06/09/07	149.0	0.3	156.5	0.0	175.4	14.6	176.3	16.5	182.6	36.8	199.6	57.5	194.5	23.0
06/10/07	144.8	0.3	141.6	0.0	161.5	10.8	163.7	14.2	168.0	32.4	179.7	36.8	180.7	15.4
06/11/07	154.9	0.3	158.2	0.0	175.7	12.2	173.9	16.7	179.5	37.5	192.5	51.2	184.5	17.2
06/12/07	148.9	0.3	145.8	0.0	169.1	10.0	173.2	15.1	179.3	35.3	193.4	50.8	189.4	15.2
06/13/07	142.0	0.3	145.6	0.0	160.0	10.0	158.9	14.5	164.1	34.2	171.1	27.9	176.0	11.0
06/14/07	153.6	0.3	149.5	0.0	163.7	10.0	162.8	15.6	168.3	34.7	177.9	34.3	175.5	15.5

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
06/01/07	4.3	0.0	9.8	9.8	55.7	19.9	52.3	15.7	50.6	22.4	51.7	38.2
06/02/07	2.2	0.0	8.7	9.0	54.3	19.6	54.2	16.2	53.8	22.5	56.4	45.5
06/03/07	2.2	0.0	8.9	9.8	52.8	19.8	52.1	15.3	52.6	22.0	54.8	44.1
06/04/07	2.2	0.0	11.9	11.6	56.2	19.7	56.3	17.1	55.1	22.5	54.5	44.1
06/05/07	2.2	0.0	8.8	8.0	57.8	19.8	55.7	16.6	54.4	21.8	56.8	45.1
06/06/07	2.2	0.0	9.5	8.8	54.9	19.8	53.2	16.0	53.0	22.5	56.0	45.9
06/07/07	3.8	0.0	9.1	9.9	57.9	19.8	58.1	17.6	58.1	22.2	58.9	23.2
06/08/07	5.0	0.0	10.2	10.5	52.8	20.0	52.6	15.8	51.4	23.2	52.1	16.2
06/09/07	5.3	0.0	10.5	13.0	53.6	19.8	52.9	16.0	51.2	22.6	51.1	16.0
06/10/07	5.3	0.0	12.3	9.6	52.4	19.8	52.7	15.7	51.7	23.2	51.8	16.4
06/11/07	5.3	0.0	12.8	14.6	54.7	19.7	52.3	15.7	51.1	22.2	51.7	36.4
06/12/07	5.6	0.0	13.5	16.2	62.7	19.9	63.3	18.9	63.8	23.2	66.0	51.7
06/13/07	4.3	0.0	13.3	16.7	57.6	19.8	56.8	16.9	55.3	22.5	56.6	24.2
06/14/07	4.3	0.0	---	---	55.1	19.9	53.9	16.3	52.3	24.0	53.6	17.4

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		
06/01/07	237.5	95.2	228.0	51.3	221.6	82.8	223.2	96.9	13.4	101.4
06/02/07	235.3	94.1	209.0	56.9	204.9	81.2	230.9	94.8	21.6	103.0
06/03/07	217.2	86.9	221.6	55.1	222.0	85.8	219.4	96.4	9.8	101.8
06/04/07	239.4	95.7	222.8	48.2	226.0	84.1	240.7	97.5	31.5	100.2
06/05/07	231.2	92.4	219.2	51.7	208.1	82.9	223.4	98.5	8.8	104.6
06/06/07	252.7	100.9	246.3	61.2	243.9	97.5	250.3	98.9	33.7	106.1
06/07/07	240.7	96.1	218.4	59.8	210.4	84.6	240.9	98.6	27.0	103.7
06/08/07	260.3	106.7	257.1	67.0	252.5	100.4	249.3	98.8	35.4	103.6
06/09/07	277.4	110.5	275.2	70.5	277.0	106.9	282.6	99.3	60.1	111.8
06/10/07	244.9	98.1	229.7	59.5	222.3	89.8	254.1	98.5	40.2	103.9
06/11/07	249.0	99.3	245.2	58.4	252.1	99.7	268.5	98.2	43.7	115.1
06/12/07	245.6	98.8	233.4	56.6	230.1	92.0	237.5	98.0	23.5	104.5
06/13/07	267.6	106.8	243.3	64.1	239.0	95.7	236.9	98.7	21.5	104.9
06/14/07	234.7	94.2	238.1	66.4	235.4	94.2	247.2	99.6	27.4	108.7

Gas Bubble Trauma Monitoring Results from Representative Sites on the Snake River and Columbia River

Site	Date	Species	Number of Fish	Number w GBT signs	Number w Fin Signs	% Fin GBT	% Severe Fin GBT	Number of Fish with Fin GBT Listed by Highest Rank			
								Rank 1	Rank 2	Rank 3	Rank 4
Lower Granite Dam											
	06/12/07	Chinook + Steelhead	18	0	0	0.00%	0.00%	0	0	0	0
Little Goose Dam											
	06/05/07	Chinook + Steelhead	100	14	14	14.00%	0.00%	13	1	0	0
	06/08/07	Chinook + Steelhead	101	37	37	36.63%	0.99%	28	8	1	0
	06/10/07	Chinook + Steelhead	150	16	16	10.66%	0.00%	14	2	0	0
	06/12/07	Chinook + Steelhead	150	16	15	10.00%	0.00%	13	2	0	0
Lower Monumental Dam											
	06/04/07	Chinook + Steelhead	66	13	12	18.18%	0.00%	11	1	0	0
	06/07/07	Chinook + Steelhead	22	5	5	22.72%	0.00%	5	0	0	0
McNary Dam											
	06/11/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	06/05/07	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
	06/09/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	06/12/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Rock Island Dam											
	06/04/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	06/07/07	Chinook + Steelhead	100	1	1	1.00%	1.00%	0	0	1	0
	06/12/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	06/14/07	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: **6/1/2007** to **06/14/07**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2007	25,000	06-04-07	06-04-07	S Fk Clearwater River	Clearwater River M F
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2007	25,000	06-11-07	06-11-07	Selway River	Clearwater River M F
Nez Perce Tribe Total					50,000				
Washington Dept. of Fish and Wildlife	Priest Rapids Hatchery	CH0	FA	2007	6,700,000	06-13-07	06-21-07	Priest Rapids Hatchery Ringold Springs	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	CH0	FA	2007	3,450,000	06-14-07	06-22-07	Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH0	SU	2007	192,013	06-13-07	06-13-07	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife Total					10,342,013				
Yakama Tribe	Eagle Creek NFH	CO	UN	2007	25,000	04-02-07	06-08-07	Stiles Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2007	150,000	04-02-07	06-08-07	Stiles Pond	Yakima River
Yakama Tribe	Klickitat Hatchery	CH0	FA	2007	2,198,000	06-11-07	06-15-07	Klickitat Hatchery	Klickitat River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2007	9,199	04-02-07	06-08-07	Stiles Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2007	90,000	04-02-07	06-08-07	Stiles Pond	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2007	40,000	04-02-07	06-08-07	Stiles Pond	Yakima River
Yakama Tribe Total					2,512,199				
Grand Total					12,904,212				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From:	6/15/2007		to	6/28/2007					
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2007	500,000	06-15-07	06-15-07	Nez Perce Tribal Hatchery	Clearwater River M F
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	SP	2008	40,000	06-15-07	06-15-07	Meadow Creek - SELW	Selway River
Nez Perce Tribe Total					540,000				
U.S. Fish and Wildlife Service	Little White Salmon NFH	CH0	FA	2007	2,000,000	06-28-07	06-28-07	Little White Salmon River	Little White Salmon River
U.S. Fish and Wildlife Service Total					2,000,000				
Washington Dept. of Fish and Wildlife	Priest Rapids Hatchery	CH0	FA	2007	6,700,000	06-13-07	06-21-07	Priest Rapids Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	CH0	FA	2007	3,450,000	06-14-07	06-22-07	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife Total					10,150,000				
Yakama Tribe	Klickitat Hatchery	CH0	FA	2007	2,159,500	06-18-07	06-22-07	Klickitat Hatchery	Klickitat River
Yakama Tribe	Klickitat Hatchery	CH0	FA	2007	2,198,000	06-11-07	06-15-07	Klickitat Hatchery	Klickitat River
Yakama Tribe Total					4,357,500				
Grand Total					17,047,500				

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

Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	<u>Hungry H. Dnst</u>			<u>Boundary</u>			<u>Grand Coulee</u>			<u>Grand C. Tlwr</u>			<u>Chief Joseph</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</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>				
6/1	98	99	99	24	116	119	119	24	114	114	115	24	111	112	113	24	113	113	114	24
6/2	98	99	99	24	116	118	119	24	114	114	114	24	111	112	113	24	113	113	114	24
6/3	98	99	99	24	117	119	120	24	114	114	114	24	112	112	113	24	113	113	114	24
6/4	99	99	99	24	118	119	121	24	114	114	114	24	112	113	114	24	113	113	114	24
6/5	99	99	100	24	119	119	120	24	114	114	114	24	112	113	113	24	113	114	114	24
6/6	99	100	100	24	119	119	120	24	114	114	114	24	111	112	113	24	112	112	113	24
6/7	98	99	99	24	118	118	119	24	113	113	114	24	111	111	112	24	111	111	111	24
6/8	98	99	99	24	119	119	120	24	114	115	115	24	111	112	112	24	111	111	112	24
6/9	99	99	100	24	121	123	123	24	113	114	115	24	112	112	112	24	112	112	112	24
6/10	99	99	99	24	122	123	123	24	114	116	116	24	112	112	113	24	112	112	113	24
6/11	99	99	99	24	121	122	122	22	115	115	115	24	111	112	113	22	111	111	112	24
6/12	99	100	101	24	121	121	121	24	114	114	114	24	111	111	112	24	110	111	111	24
6/13	102	103	104	24	119	120	121	24	114	114	114	24	111	112	113	24	111	111	111	24
6/14	104	105	105	24	118	119	120	24	114	114	114	24	111	112	113	24	111	111	112	24

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. Tlwr</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</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>				
6/1	112	112	113	24	112	112	113	24	115	116	120	24	115	116	116	24	115	116	117	24
6/2	112	113	113	24	112	113	114	24	115	116	117	24	113	114	114	24	114	114	116	24
6/3	112	113	114	24	112	113	115	24	114	115	115	24	114	115	116	24	114	115	115	24
6/4	112	113	113	24	111	111	112	24	114	114	114	24	113	113	114	24	113	113	114	24
6/5	113	113	114	24	111	111	112	24	114	115	117	24	112	112	113	24	113	114	118	24
6/6	112	112	113	24	110	111	111	24	112	112	113	24	110	111	111	24	111	112	113	24
6/7	110	110	110	24	109	109	110	24	111	112	112	24	108	109	109	24	109	110	112	24
6/8	110	111	111	24	110	110	111	24	114	115	119	24	110	110	111	24	111	112	114	24
6/9	111	111	112	24	110	110	111	24	113	115	125	24	112	113	113	24	113	113	114	24
6/10	111	112	112	24	110	110	110	24	112	112	113	24	113	114	115	24	113	114	116	24
6/11	110	110	111	24	109	109	110	24	111	112	113	24	109	110	110	24	110	111	111	24
6/12	110	110	111	24	109	109	109	24	111	111	112	24	109	109	109	24	110	110	110	24
6/13	111	111	112	24	109	110	110	24	111	111	112	24	110	110	110	24	110	111	111	24
6/14	110	111	111	24	109	110	110	24	111	111	112	24	109	109	109	24	110	110	110	24

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</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>				
6/1	114	115	117	24	116	117	118	24	111	113	115	24	117	120	121	24	117	119	123	24
6/2	114	114	115	24	117	118	119	24	113	116	118	24	117	119	120	24	117	119	121	24
6/3	113	114	114	24	117	117	118	24	114	116	118	24	117	118	121	24	117	119	122	24
6/4	113	113	114	24	117	118	118	24	112	113	113	24	116	117	120	24	115	116	117	24
6/5	113	113	116	24	117	118	119	24	111	111	112	24	119	120	122	24	115	116	117	24
6/6	110	111	111	24	116	117	117	24	107	108	109	24	113	117	121	24	112	113	115	24
6/7	109	110	110	24	115	115	116	24	107	109	110	24	114	117	119	24	109	111	112	24
6/8	112	113	114	24	116	117	118	24	108	109	110	24	116	119	122	24	115	116	117	24
6/9	113	113	114	24	117	118	119	24	109	110	110	24	116	119	121	24	117	118	118	24
6/10	113	114	115	24	117	118	119	24	109	110	112	24	116	118	120	24	115	117	118	24
6/11	111	111	112	24	116	117	118	24	108	109	110	24	116	117	118	24	113	114	116	24
6/12	110	111	111	24	115	116	117	24	108	109	110	24	116	118	119	24	114	115	116	24
6/13	110	111	111	24	115	117	117	24	109	109	110	24	114	116	118	24	115	116	117	24
6/14	110	111	112	24	116	117	118	24	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<u>Priest R. Dnst</u>				<u>Pasco</u>				<u>Dworshak</u>				<u>Clrwtr-Peck</u>				<u>Anatone</u>			
	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
6/1	117	119	120	24	113	113	114	24	101	101	103	24	102	103	104	24	104	105	106	24
6/2	117	119	120	24	112	114	114	24	101	102	103	24	102	103	104	24	104	105	106	24
6/3	117	119	119	24	113	113	114	24	101	102	103	24	102	103	104	24	104	105	106	24
6/4	115	116	117	24	112	112	113	24	101	102	103	24	102	103	103	24	103	104	105	24
6/5	116	117	118	24	108	109	110	24	101	102	103	24	101	101	102	24	102	103	103	24
6/6	112	113	115	24	108	108	108	24	101	101	102	24	100	101	101	24	102	102	103	24
6/7	111	113	114	24	105	106	107	24	100	100	100	24	101	101	101	24	103	103	104	24
6/8	116	117	117	24	107	109	110	24	100	101	104	24	102	103	104	24	104	105	106	24
6/9	117	118	119	24	110	110	111	24	100	101	101	24	101	102	103	24	103	104	105	24
6/10	116	117	118	24	109	110	110	24	100	100	100	24	101	101	101	24	103	103	103	24
6/11	114	115	117	24	109	109	110	24	100	101	101	24	101	102	103	24	103	104	105	24
6/12	114	115	116	24	109	110	111	24	103	105	107	24	102	104	104	24	103	104	105	24
6/13	115	116	117	24	109	110	110	24	99	100	100	24	101	101	102	24	103	104	104	24
6/14	---	---	---	0	110	111	112	24	100	100	101	24	101	102	103	24	103	104	105	24

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>				<u>Lower Granite</u>				<u>L. Granite Tlwr</u>				<u>Little Goose</u>				<u>L. Goose Tlwr</u>			
	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
6/1	103	104	105	24	104	105	105	24	111	111	112	24	112	113	114	24	111	111	113	24
6/2	102	104	105	24	105	105	105	24	113	114	115	24	113	114	115	24	112	113	115	24
6/3	102	104	106	24	105	105	106	24	112	113	114	24	114	114	114	24	112	114	115	24
6/4	102	103	103	24	105	105	105	24	113	114	115	24	113	113	114	24	112	114	116	24
6/5	101	101	102	24	104	105	105	24	112	113	116	24	112	113	113	24	112	114	115	24
6/6	100	100	101	24	103	104	104	23	114	115	115	24	111	111	112	24	111	113	114	24
6/7	101	102	103	24	101	102	102	24	113	114	114	24	108	109	109	24	111	112	114	24
6/8	103	104	106	24	100	100	101	24	111	112	114	24	108	108	109	24	110	111	114	24
6/9	102	103	104	24	100	100	100	24	110	110	111	24	109	110	112	24	108	109	109	24
6/10	101	101	102	24	101	101	101	24	113	114	115	24	110	111	111	24	109	109	110	24
6/11	101	103	104	24	102	102	103	24	113	114	114	24	110	110	110	24	109	109	110	24
6/12	102	104	105	24	102	102	102	24	111	112	114	24	109	109	110	24	110	111	112	24
6/13	101	102	103	24	102	102	102	24	110	111	112	24	108	109	109	24	110	110	110	24
6/14	102	104	105	24	102	102	102	24	113	114	115	24	109	109	109	24	110	111	112	24

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

Date	<u>Lower Mon.</u>				<u>L. Mon. Tlwr</u>				<u>Ice Harbor</u>				<u>Ice Harbor Tlwr</u>				<u>McNary-Oregon</u>			
	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
6/1	114	115	115	24	117	119	119	24	116	116	117	24	114	115	116	24	---	---	---	0
6/2	115	115	116	24	115	115	116	24	117	117	117	24	115	115	116	24	---	---	---	0
6/3	115	115	116	24	114	115	116	24	117	118	118	24	115	115	116	24	---	---	---	0
6/4	114	114	115	24	114	115	117	24	118	118	118	24	114	115	115	24	---	---	---	0
6/5	114	114	114	16	114	114	114	24	117	117	117	24	114	115	116	24	---	---	---	0
6/6	111	112	113	24	114	114	116	24	114	115	116	24	115	115	116	24	---	---	---	0
6/7	109	109	110	24	115	117	119	24	111	111	112	24	113	114	116	24	---	---	---	0
6/8	109	109	109	24	118	119	119	24	111	111	111	24	112	112	114	24	---	---	---	0
6/9	110	110	111	24	116	118	119	24	112	113	114	24	112	112	112	24	---	---	---	0
6/10	111	111	112	24	116	118	119	24	114	115	115	24	112	113	115	24	---	---	---	0
6/11	110	110	111	24	116	118	118	24	113	114	114	24	114	115	116	24	---	---	---	0
6/12	108	108	109	24	116	118	118	24	112	112	113	24	115	116	116	24	---	---	---	0
6/13	108	109	109	24	116	119	120	24	112	112	113	24	113	114	116	24	---	---	---	0
6/14	109	109	110	24	118	120	121	24	112	113	114	24	113	115	116	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				
6/1	114	115	116	24	117	118	119	24	110	111	113	24	114	118	119	24	111	114	117	24
6/2	115	116	117	24	117	118	119	24	113	114	115	24	115	117	119	24	112	114	116	24
6/3	115	115	116	24	117	118	120	24	114	115	115	24	116	118	118	24	114	115	116	24
6/4	114	114	114	24	116	116	118	24	113	113	114	24	115	118	119	24	112	113	115	24
6/5	112	113	114	24	116	117	119	24	112	112	113	24	114	117	118	24	110	111	111	24
6/6	108	109	110	24	115	116	116	24	109	110	111	24	113	117	118	24	108	109	110	24
6/7	105	106	106	24	114	114	115	24	106	106	107	24	111	116	118	24	108	110	112	23
6/8	108	108	109	24	115	115	116	24	105	105	106	13	111	117	119	24	109	112	116	24
6/9	108	109	109	24	115	115	116	24	105	105	105	1	111	118	120	24	109	112	115	24
6/10	109	110	110	24	115	115	116	24	---	---	---	0	111	117	119	24	108	111	113	24
6/11	108	109	109	24	115	115	115	24	105	105	105	1	111	117	118	24	107	110	113	24
6/12	108	108	109	24	117	118	119	24	106	106	107	12	111	116	118	24	108	112	115	24
6/13	109	110	110	24	115	115	116	24	106	106	106	24	111	116	118	24	109	111	113	24
6/14	110	110	113	24	115	116	117	24	106	106	107	24	111	117	119	24	109	112	114	24

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				
6/1	116	117	118	24	114	115	116	24	---	---	---	0	115	116	117	24	117	118	118	24
6/2	116	117	118	24	113	114	114	24	---	---	---	0	114	115	116	24	117	118	118	24
6/3	117	118	118	24	112	113	113	24	---	---	---	0	114	114	115	24	117	117	117	24
6/4	117	117	118	24	112	112	113	24	---	---	---	0	113	114	114	24	117	118	118	24
6/5	115	116	116	24	110	111	111	24	---	---	---	0	112	112	112	24	117	117	118	24
6/6	114	115	115	24	108	109	109	24	---	---	---	0	111	111	111	24	117	118	118	24
6/7	113	114	115	23	107	107	108	24	---	---	---	0	109	110	111	24	117	117	118	24
6/8	115	117	118	24	109	109	110	24	---	---	---	0	111	112	113	24	118	118	119	24
6/9	115	117	118	24	111	112	113	24	---	---	---	0	111	112	112	24	118	119	119	24
6/10	114	115	116	24	111	112	114	24	---	---	---	0	111	112	113	24	118	118	119	24
6/11	114	115	117	24	109	111	112	24	---	---	---	0	111	112	113	24	118	118	119	24
6/12	114	116	118	24	110	110	111	24	---	---	---	0	111	113	114	24	118	118	118	24
6/13	114	116	117	24	111	112	112	24	---	---	---	0	111	112	113	24	117	118	118	24
6/14	115	117	118	24	110	110	111	24	---	---	---	0	112	114	114	24	117	118	118	24

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/smolqueries/currentsmppsubmitdata.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)	
06/01/2007	*	---	82	---	---	447	541	75	116	---	21,384	5,460
06/02/2007	*	---	93	---	---	326	841	61	172	5,553	22,470	3,454
06/03/2007	*	---	135	---	---	551	929	21	90	---	15,768	3,668
06/04/2007		---	155	---	---	291	1,056	97	122	10,091	10,907	3,871
06/05/2007	*	---	64	---	---	494	1,343	60	191	---	16,427	2,938
06/06/2007		---	51	---	---	94	473	264	253	19,321	20,911	3,098
06/07/2007	*	---	73	---	---	188	790	252	343	---	12,991	4,421
06/08/2007	*	---	72	---	---	183	506	40	295	12,953	8,262	3,385
06/09/2007	*	---	39	---	---	128	92	29	467	---	8,637	2,176
06/10/2007	*	---	45	---	---	96	184	99	671	6,995	8,619	2,429
06/11/2007	*	---	29	---	---	0	287	63	669	---	7,786	2,535
06/12/2007		---	11	---	---	124	215	48	588	5,428	5,079	2,426
06/13/2007	*	---	19	---	---	133	210	0	282	---	5,148	2,269
06/14/2007		---	---	---	---	94	170	34	137	5,309	4,381	1,175
06/15/2007		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	868	0	0	3,149	7,637	1,143	4,396	65,650	168,770	43,305
# Days:		0	13	0	0	14	14	14	14	7	14	14
Average:		0	67	0	0	225	546	82	314	9,379	12,055	3,093
YTD		43,491	86,783	15,108	6,553	2,246,846	653,983	355,368	23,628	2,213,636	4,242,804	1,939,259

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)	
06/01/2007	*	---	0	---	---	2,622	69	542	7	---	3,575	4,688
06/02/2007	*	---	0	---	---	10,463	1,036	641	73	1,697	3,638	5,019
06/03/2007	*	---	0	---	---	13,832	1,460	592	81	---	3,596	4,223
06/04/2007		---	0	---	---	16,984	2,033	368	114	6,336	2,972	4,352
06/05/2007	*	---	0	---	---	20,334	5,237	562	200	---	5,424	4,406
06/06/2007		---	0	---	---	24,630	8,195	1,024	200	25,140	10,113	4,705
06/07/2007	*	---	0	---	---	23,627	24,004	1,622	182	---	19,262	8,742
06/08/2007	*	---	2	---	---	20,874	20,030	3,273	109	15,139	10,675	9,189
06/09/2007	*	---	1	---	---	14,987	21,857	4,771	158	---	6,898	11,901
06/10/2007	*	---	3	---	---	7,505	56,248	8,909	39	20,281	10,456	13,675
06/11/2007	*	---	0	---	---	6,041	29,241	9,746	37	---	11,760	10,811
06/12/2007		---	1	---	---	5,714	13,566	5,171	48	30,608	13,508	13,389
06/13/2007	*	---	3	---	---	4,011	8,383	4,093	22	---	11,338	11,173
06/14/2007		---	---	---	---	4,653	7,072	2,330	34	51,809	10,678	9,717
06/15/2007		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	10	0	0	176,277	198,431	43,644	1,304	151,010	123,893	115,990
# Days:		0	13	0	0	14	14	14	14	7	14	14
Average:		0	1	0	0	12,591	14,174	3,117	93	21,573	8,850	8,285
YTD		0	72	90	255	192,955	211,844	51,679	2,795	177,030	167,933	2,298,148

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)
06/01/2007	*	---	0	---	93	69	56	1,274	---	1,986	7,133
06/02/2007	*	---	0	---	62	491	47	1,627	305	4,187	4,171
06/03/2007	*	---	0	---	142	1,133	21	1,064	---	1,290	1,792
06/04/2007	*	---	0	---	258	1,693	58	846	1,962	1,564	3,403
06/05/2007	*	---	0	---	278	985	99	1,180	---	3,480	2,471
06/06/2007	*	---	0	---	185	681	148	661	5,863	3,237	5,273
06/07/2007	*	---	0	---	126	560	31	655	---	2,957	3,511
06/08/2007	*	---	0	---	153	546	53	868	7,429	1,484	2,354
06/09/2007	*	---	0	---	64	916	22	887	---	2,276	2,176
06/10/2007	*	---	0	---	32	72	91	559	2,104	2,713	3,068
06/11/2007	*	---	0	---	32	144	161	558	---	2,739	3,178
06/12/2007	*	---	0	---	62	179	57	386	1,684	1,780	4,419
06/13/2007	*	---	0	---	29	72	19	239	---	1,841	2,565
06/14/2007	*	---	---	---	62	143	0	125	1,769	1,553	2,174
06/15/2007	*	---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:		0	0	0	1,578	7,684	863	10,929	21,116	33,087	47,688
# Days:		0	13	0	14	14	14	14	7	14	14
Average:		0	0	0	113	549	62	781	3,017	2,363	3,406
YTD		0	0	0	57	50,347	54,163	17,909	63,318	95,620	337,592

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)
06/01/2007	*	---	136	---	3,809	2,878	878	121	---	4,723	5,569
06/02/2007	*	---	109	---	4,325	8,475	1,045	252	339	8,155	8,126
06/03/2007	*	---	237	---	2,789	7,565	1,295	107	---	4,703	2,410
06/04/2007	*	---	386	---	2,954	14,073	891	177	2,766	2,300	5,827
06/05/2007	*	---	407	---	3,183	13,570	880	351	---	2,047	2,104
06/06/2007	*	---	973	---	2,872	4,217	570	405	2,406	1,491	1,359
06/07/2007	*	---	414	---	2,259	3,101	259	302	---	2,150	1,451
06/08/2007	*	---	59	---	2,502	4,791	285	303	2,550	2,041	934
06/09/2007	*	---	39	---	2,041	8,957	722	226	---	2,304	545
06/10/2007	*	---	93	---	1,379	6,297	1,376	18	1,432	2,100	726
06/11/2007	*	---	280	---	1,348	5,174	467	17	---	1,450	705
06/12/2007	*	---	94	---	1,378	4,389	306	37	1,694	1,571	998
06/13/2007	*	---	34	---	808	3,749	914	27	---	1,113	536
06/14/2007	*	---	---	---	1,218	3,414	468	19	2,445	1,789	1,206
06/15/2007	*	---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:		0	3,261	0	32,865	90,650	10,356	2,362	13,632	37,937	32,496
# Days:		0	13	0	14	14	14	14	7	14	14
Average:		0	251	0	2,348	6,475	740	169	1,947	2,710	2,321
YTD		3,734	45,730	1,940	7,792	1,855,621	1,826,752	737,764	18,283	369,951	946,090

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)	
06/01/2007	*	---	0	---	---	46	66	37	41	---	23,723	2,792
06/02/2007	*	---	0	---	---	93	138	13	65	3,388	24,202	3,389
06/03/2007	*	---	0	---	---	32	126	63	33	---	12,541	2,111
06/04/2007	*	---	0	---	---	0	228	36	39	10,441	11,501	1,993
06/05/2007	*	---	0	---	---	0	179	60	37	---	19,549	1,435
06/06/2007	*	---	0	---	---	0	165	74	37	11,861	19,836	2,824
06/07/2007	*	---	0	---	---	0	86	52	27	---	16,485	3,105
06/08/2007	*	---	0	---	---	0	72	13	15	8,271	14,018	1,708
06/09/2007	*	---	0	---	---	0	0	29	14	---	12,821	1,054
06/10/2007	*	---	0	---	---	32	0	8	8	5,556	10,939	1,820
06/11/2007	*	---	0	---	---	32	0	46	7	---	9,934	1,635
06/12/2007	*	---	0	---	---	46	172	10	13	2,694	7,696	1,961
06/13/2007	*	---	0	---	---	15	0	0	3	---	6,334	490
06/14/2007	*	---	---	---	---	0	0	0	9	2,190	3,798	1,236
06/15/2007	*	---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	0	296	1,232	441	348	44,401	193,377	27,553
# Days:		0	13	0	0	14	14	14	14	7	14	14
Average:		0	0	0	0	21	88	32	25	6,343	13,813	1,968
YTD		27	0	0	413	20,620	16,863	5,710	16,391	509,352	778,208	167,173

* 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:

6/15/07 9:40 AM

06/01/07 TO 06/15/07

Site	Data	Species					Grand Total
		CH0	CH1	CO	SO	ST	
LGR	Sum of NumberCollected	112,780	2,021	1,010	190	21,047	137,048
	Sum of NumberBarged	98,707	2,353	995	229	20,339	122,623
	Sum of NumberBypassed	12,282	56	0	0	2,087	14,425
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	49	0	1	0	2	52
	Sum of FacilityMorts	212	6	3	1	38	260
	Sum of ResearchMorts	322	0	0	0	0	322
	Sum of TotalProjectMorts	583	6	4	1	40	634
LGS	Sum of NumberCollected	138,151	5,323	5,355	859	63,171	212,859
	Sum of NumberBarged	132,377	6,055	5,563	1,016	66,478	211,489
	Sum of NumberBypassed	920	0	0	0	1	921
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	5	2	0	0	3	10
	Sum of FacilityMorts	50	30	2	3	90	175
	Sum of ResearchMorts	3	0	0	0	0	3
	Sum of TotalProjectMorts	58	32	2	3	93	188
LMN	Sum of NumberCollected	24,417	647	488	250	5,869	31,671
	Sum of NumberBarged	22,404	664	488	265	5,439	29,260
	Sum of NumberBypassed	1,441	7	0	0	1,243	2,691
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	15	1	0	0	8	24
	Sum of FacilityMorts	15	2	0	0	31	48
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	30	3	0	0	39	72
MCN	Sum of NumberCollected	89,598	38,907	12,517	26,311	8,082	175,415
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	89,582	38,871	12,514	26,285	8,069	175,321
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	11	15	2	9	4	41
	Sum of FacilityMorts	6	19	1	15	9	50
	Sum of ResearchMorts	0	2	0	2	0	4
	Sum of TotalProjectMorts	17	36	3	26	13	95
Total Sum of NumberCollected		364,946	46,898	19,370	27,610	98,169	556,993
Total Sum of NumberBarged		253,488	9,072	7,046	1,510	92,256	363,372
Total Sum of NumberBypassed		104,225	38,934	12,514	26,285	11,400	193,358
Total Sum of Numbertrucked		0	0	0	0	0	0
Total Sum of SampleMorts		80	18	3	9	17	127
Total Sum of FacilityMorts		283	57	6	19	168	533
Total Sum of ResearchMorts		325	2	0	2	0	329
Total Sum of TotalProjectMorts		688	77	9	30	185	989

YTD Transportation Summary

Source: Fish Passage Center

Updated:

6/15/07 9:40 AM

TO: 06/15/07

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	124,351	1,577,787	38,085	15,890	1,365,980	3,122,093
	Sum of NumberBarged	108,441	1,124,674	36,595	15,510	1,183,349	2,468,569
	Sum of NumberBypassed	13,138	451,109	1,432	356	181,502	647,537
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	60	56	1	2	30	149
	Sum of FacilityMorts	241	1,008	17	22	445	1,733
	Sum of ResearchMorts	322	880	0	0	0	1,202
	Sum of TotalProjectMorts	623	1,944	18	24	475	3,084
LGS	Sum of NumberCollected	147,465	462,293	38,852	11,826	1,290,078	1,950,514
	Sum of NumberBarged	141,422	397,231	38,206	11,379	1,165,280	1,753,518
	Sum of NumberBypassed	1,143	64,720	541	433	121,828	188,665
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	5	31	3	2	19	60
	Sum of FacilityMorts	64	187	3	12	577	843
	Sum of ResearchMorts	3	7	0	0	0	10
	Sum of TotalProjectMorts	72	225	6	14	596	913
LMN	Sum of NumberCollected	29,643	279,081	13,470	4,143	572,831	899,168
	Sum of NumberBarged	27,021	270,506	13,447	4,118	561,148	876,240
	Sum of NumberBypassed	1,468	8,083	21	2	11,004	20,578
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	18	30	0	0	66	114
	Sum of FacilityMorts	40	391	2	23	435	891
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	58	421	2	23	501	1,005
MCN	Sum of NumberCollected	105,039	1,310,466	56,645	301,874	219,136	1,993,160
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	104,983	1,309,498	56,630	301,369	218,743	1,991,223
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	12	141	4	57	31	245
	Sum of FacilityMorts	45	814	11	446	362	1,678
	Sum of ResearchMorts	0	13	0	2	0	15
	Sum of TotalProjectMorts	57	968	15	505	393	1,938
Total Sum of NumberCollected		406,498	3,629,627	147,052	333,733	3,448,025	7,964,935
Total Sum of NumberBarged		276,884	1,792,411	88,248	31,007	2,909,777	5,098,327
Total Sum of NumberBypassed		120,732	1,833,410	58,624	302,160	533,077	2,848,003
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		95	258	8	61	146	568
Total Sum of FacilityMorts		390	2,400	33	503	1,819	5,145
Total Sum of ResearchMorts		325	900	0	2	0	1,227
Total Sum of TotalProjectMorts		810	3,558	41	566	1,965	6,940

Cumulative Adult Passage at Mainstem Dams Through: 06/14

DAM	EndDate	Spring Chinook						Summer Chinook						Fall Chinook					
		2007		2006		10-Yr Avg.		2007		2006		10-Yr Avg.		2007		2006		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	06/14	66624	16606	96456	2908	156175	8234	13224	3358	27277	860	19046	1659	0	0	0	0	0	0
TDA	06/14	52795	15406	61827	2176	108412	6003	9591	2336	16436	640	12570	1003	0	0	0	0	0	0
JDA	06/14	43379	13663	50313	2093	90974	4767	6031	1323	9958	379	8582	628	0	0	0	0	0	0
MCN	06/12	38852	12252	45887	2475	83968	5029	2328	543	3278	187	3597	320	0	0	0	0	0	0
IHR	06/13	28047	7308	25434	875	56277	3172	782	197	959	40	1366	141	0	0	0	0	0	0
LMN	06/14	26963	6934	23589	548	53700	2904	418	109	515	20	603	52	0	0	0	0	0	0
LGS	06/14	23625	7131	20409	715	50830	2904	0	0	0	0	0	0	0	0	0	0	0	0
LGR	06/14	21364	8740	21398	909	50059	3106	0	0	0	0	0	0	0	0	0	0	0	0
PRD	06/12	6557	479	8381	81	17172	504	0	0	0	0	0	0	0	0	0	0	0	0
RIS	06/13	5218	1924	9308	451	13454	713	0	0	0	0	0	0	0	0	0	0	0	0
RRH	06/13	2226	874	5070	235	4973	282	0	0	0	0	0	0	0	0	0	0	0	0
WEL	06/13	1158	633	2822	149	2712	144	0	0	0	0	0	0	0	0	0	0	0	0
WFA	06/13	18764	193	28305	159	5802	99	0	0	0	0	0	0	0	0	0	0	0	0

DAM	Coho						Sockeye			Steelhead			
	2007		2006		10-Yr Avg.		2007	2006	10-Yr Avg.	2007	2006	10-Yr Avg.	Wild 2007
	Adult	Jack	Adult	Jack	Adult	Jack							
BON	0	0	0	0	0	0	2818	3267	4675	5109	5078	7020	1053
TDA	0	0	0	0	0	0	1589	1585	2746	1677	1638	2083	469
JDA	1	0	0	0	0	0	1160	1378	1936	2641	2884	4021	869
MCN	0	0	0	0	0	0	298	209	509	2179	2379	2083	607
IHR	0	0	0	0	0	0	0	0	0	2465	2771	1911	627
LMN	0	0	0	0	0	0	0	1	0	2471	2923	1901	853
LGS	0	0	0	0	0	0	0	0	0	2372	2706	2137	767
LGR	0	0	0	0	0	0	0	0	0	10606	7618	6764	2408
PRD	0	1	0	0	0	0	51	12	89	55	51	18	0
RIS	0	0	0	0	0	0	9	1	12	56	62	44	25
RRH	0	0	0	0	0	0	5	0	8	181	154	119	82
WEL	0	0	0	0	0	0	1	0	0	52	40	23	35
WFA	2	0	0	0	0	0	0	0	0	13075	18113	3036	0

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: 06/15/07

BON counts from January 1, 2006 to March 14, 2006 (our traditional counts begin March 15):

Year	Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
2007	22	0	1,677	517
2006	2	0	2,523	239

Run Year counts (June 1, 2006 to May 31, 2007) for Lower Granite:

Steelhead
26