



Fish Passage Center Weekly Report #07 - 14

June 8, 2007

1827 NE 44th Ave., Suite 240
Portland, OR 97213
phone: 503/230-4099
fax: 503/230-7559

Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 28% and 122% of average at individual sub-basins over May. Precipitation above The Dalles has been 74% of average over May. Over the entire water year, precipitation has generally been near or above average.

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

Location	Water Year 2007		Water Year 2007 October 1, 2006 to May 28, 2007	
	May 1-28		Observed (inches)	%
	Observed (inches)	% Average		
Columbia Above Coulee	2.12	105	19.87	111
Snake River Above Ice Harbor	0.77	45	11.12	83
Columbia Above The Dalles	1.31	74	18.07	102
Kootenai	2.45	122	21.56	118
Clark Fork	2.20	119	13.06	108
Flathead	2.31	105	16.78	105
Pend Oreille/Spokane	1.50	64	23.35	94
Central Washington	0.58	83	6.88	95
Snake River Plain	0.37	28	6.41	76
Salmon/Boise/Payette	0.80	50	13.11	82
Clearwater	1.89	69	23.78	99
SW Washington Cascades/Cowlitz	1.79	52	62.07	100
Willamette Valley	1.69	53	55.18	104

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 1278.6 feet (6-7-07) and refilled 8.8 last week. Outflows at Grand Coulee ranged between 89.6 and 154.9 Kcfs last week.

Dworshak is currently at an elevation of 1597.4 feet (6-7-07) and refilled 4.9 feet last week. Outflows at Dworshak were increased to 3.8 Kcfs on June 7th, 2007 as inflows were still relatively high at 9.4 Kcfs.

The Libby Reservoir is currently at elevation 2426.1 feet (6-7-07) and refilled 12.3 feet last week. Outflows at Libby are currently at 19.7 Kcfs, where as, inflows are currently 69.2 Kcfs.

Hungry Horse is currently at an elevation of 3556.2 feet (6-7-07) and refilled 3.8 feet last week. Outflows at Hungry Horse are currently 3.3 Kcfs.

The Brownlee Reservoir was at an elevation of 2076.5 feet on June 7th, 2007, holding steady last week. Outflows at Brownlee Dam have been 7.3 to 11.4 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 last 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 236.3 Kcfs and 247.9 Kcfs over the season. The Lower Granite Dam flow over the past week averaged 55.7 Kcfs and 63.4 Kcfs over the season. The Priest Rapids Dam flow over the past week averaged 167.8 Kcfs and 170.4 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 19.6 and 19.9 Kcfs daily, slightly lower than the 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) exceeded the 115% waiver from June 1 to 5 and consequently spill at Lower Monumental Dam was restricted. The total dissolved gas readings at the Lower Monumental tailrace have averaged between 114 and 118%. For several days the Ice Harbor forebay reading was at least 3% higher than observed at the upstream tailrace, suggesting again that the TDG increase is not due to upstream spill.

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. The TDG exceeded the waiver at The Dalles forebay on June 3, but has only been about 110% over the past three days. There isn't any reason for this project to be below the Court's Order.

Spill at The Dalles did not meet the Court's Order on June 1, 3 and 4 over the past week. Total dissolved gas at the next downstream forebay (Bonneville Dam) exceeded the 115% waiver on June 1. Total dissolved gas at The Dalles tailrace

ranged from 114.4% and 117.8% over the past week. Towards the end of the week the spill was back to the Court Order level.

Daily average spill at Bonneville Dam ranged from 94.8 Kcfs to 98.9 Kcfs over the past week, consistently less than the 100 Kcfs specified in the Court's Order. The tailrace average TDG reading has ranged between 117.4 % and 117.9 %, while the downstream forebay readings at Camas/Washougal ranged between 109.9 % and 116.3%. After an exceedence of the total dissolved gas waiver at the Camas/Washougal gauge on June 1, spill at Bonneville was reduced to 94.8 Kcfs on June 2. Spill at Bonneville gradually increased over the next few days to near the Court's Order by week's end.

Total dissolved gas waivers were exceeded several times at the federal hydroprojects throughout the past week. All of these exceedences occurred at the forebay monitors at the next downstream project. 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 occurred at Little Goose and Lower Monumental dams over the past week. The samples may be indicating that these late migrating steelhead are spending longer than normal transit times in the system.

Smolt Monitoring: Subyearling Chinook now predominate at the Snake River SMP sites, while at the Columbia River sites sockeye and yearling Chinook are still as plentiful as subyearlings, based on passage indices this past week. But subyearling indices increased at all sites over the past week again.

At Lower Granite Dam, there was a continued decrease in passage of spring migrants the past week. The passage index for yearling Chinook averaged 340 per day, compared to 1,600 last week, and steelhead averaged 3,000 per day this week compared to 9,600 last week. Based on different methods of estimated collection efficiency, an estimated 6.5 to 7.8 million yearling Chinook have passed Lower Granite Dam, while a 3.2 to

5.7 million steelhead have passed. Subyearling Chinook average indices rose quickly this week to 16,000 per day compared to 1,200 per day last week.

Indices of subyearling Chinook increased at Little Goose and Lower Monumental dams as well this past week. But steelhead indices averaged higher than subyearlings at Little Goose for the week, with the average index at 7,700 for steelhead, while the subyearling index averaged 6,000. However, the subyearling index rose to 24,000 on June 7, while steelhead indices declined to 3,100, so that by the end of this week subyearlings predominate at that site. A similar pattern in steelhead and subyearling Chinook indices occurred at Lower Monumental Dam this week, where the steelhead weekly average was higher than for subyearlings, but by June 7, the index for steelhead was down to 259, while that for subyearling Chinook was up to 1,600.

At Rock Island Dam, the numbers of all spring migrants have decreased this past week. Coho continue to pass in relatively large numbers this past week, with the average index at 1,000 this past week. Sockeye dropped too, with index decreasing to 40 per day. Steelhead indices also decreased at the site, with a peak index of 3,000 on May 21 compared to a weekly average this week of 245. Yearling Chinook numbers have remained steady, albeit relatively low, with the weekly average index at 180 over the past week. Subyearling Chinook indices rose to 200 fish per day by the end of this week, so that it appears those numbers are in line with historic data, which shows numbers of subs picking in the next few weeks.

In the Lower Columbia, at McNary Dam, numbers of subyearlings are up sharply this week, with the index averaging 11,000 this week compared to 2,900 last week. Coho indices remained relatively steady this past week, while sockeye numbers decreased again this past week. But, unlike the Snake River, yearling Chinook continue to pass in relatively large numbers. The yearling Chinook index averaged 11,600 for the past 4 sampling dates, compared to 39,000 the previous 4 days of sampling. Steelhead indices averaged

1,800 per day the past 4 sampling days, compared to 4,200 the previous time period. While at John Day Dam indices for all spring migrants were down. The yearling chinook index averaged 17,000 per day this week compared to 44,000 last week, and steelhead index averaged 3,600 compared to 9,000 the previous week. Coho indices averaged 2,800 this past week while for sockeye, which are predominant at this site, the index fell to an average of 18,000 per day this week compared to 34,000 per day the previous week.

At Bonneville Dam indices for spring migrants were also down. The yearling Chinook index averaged 3,800 over the past week, compared to 14,000 the previous week. Coho indices averaged 4,000 per day this week compared to 7,000 per day last week. Steelhead indices averaged nearly 3,700 per day. Sockeye indices averaged 2,500 per day this week compared to 8,000 last week. Subyearling chinook indices continued to increase slowly over the past week. The index averaged 5,200 this week compared to 4,700 per day last week.

Adult Fish Passage: The summer Chinook count began June 1st at Bonneville Dam. Daily passage numbers at Bonneville Dam have ranged between 647 and 1,194 adult summer Chinook in the last week. The 2007 summer Chinook count of 6,283 is about 74.7 percent of the 10-year average count and 76.6 percent of the 2006 count. The summer Chinook jack count of 1,563 at Bonneville Dam is presently 3.93 times greater than observed in 2006, and 1.87 times greater than the 10-year average count to date.

As of June 7th, 4,147 steelhead had passed Bonneville Dam which is about 1.07 times the 2006 count of 3,852. The 2007 Bonneville steelhead count is about 76.7 percent of the 10-year average. As of June 7th, 1,144,728 adult Shad have been counted at Bonneville Dam this season with daily counts ranging from 28,584 to 148,119. Adult sockeye are passing Bonneville with the count through June 7th at 400 salmon. This year's sockeye count is about 1.32 times greater than the 2006 count, but only 56.4 percent of the 10-year average count.

Spring Chinook are counted at Ice Harbor dam through June 11th. A total of 26,455 spring Chinook adults have been observed at Ice Harbor Dam as of June 7th. The 2007 Ice Harbor count increased about 1.12 times when compared to the 2006 count. However, it is only 48.9 percent of the 10-year average. The 2007 spring Chinook jack count of 6,906 is about 8.87 times the 2006 count and 2.35 times the 10-year average count.

As of June 7th, adult spring Chinook counts were 24,759 at Lower Monumental Dam and 20,684 at Little Goose Dam as of (June 5th), a difference of 4,075 fish. Prior to May 31st, there was a difference of about 7,500 spring Chinook between these two projects. As a result, COE staff and the salmon managers investigated adult passage at Little Goose Dam. On May 31, 2007, a decision was made to alter the daytime spill pattern at LGS Dam to a more flat pattern, in effort to improve the passage condition for migrating adult salmonids. Flat spill is now occurring during the day and the daily number of spring Chinook passing LGS has improved. The COE staff and salmon managers are continuing to monitor this situation.

The 2007 spring Chinook adult count at Priest Rapids Dam of 6,038 has 1,451 fewer salmon when compared to the 2006 count. Additionally, the 2007 Priest Rapids spring Chinook count is only 37.2 percent of the 10-year average. As of June 5th, the 2007 spring Chinook adult count at Priest Rapids was 6,038, while the adult spring Chinook count at Rock Island was 4,758 (as of June 6th). The 2007 spring Chinook jack count at Priest Rapids Dam was 397, while the jack count at Rock Island was 1,656, an increase of 1,259 salmon between the two dams. These counts were reviewed by the staff at Grant County PUD. An email from Grant County PUD to the FPC stated that the reason they have a higher jack count at Rock Island was due to the in-ladder window arrangement, making it difficult to gauge the length of a fish. The Grant County total fish counts across their dams are in step with each other, so their counts are not missing fish. However, they are struggling with determining relative size. At GPUD Projects they are putting 22" marks on both their windows and backgrounds so counters can have a comparative gauge for fish size.

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 released into the South Fork of the Clearwater River on June 4th. There were no other scheduled releases of juvenile salmonids in this zone over the past week.

Approximately 25,000 subyearling fall Chinook are scheduled for release into the Selway River on June 11th. In addition, an estimated 500,000 subyearling fall Chinook from the Nez Perce Tribal Hatchery are scheduled for release from the hatchery into the Clearwater River on June 15th. Also scheduled for release on June 15th are an estimated 40,000 spring Chinook parr. These spring Chinook parr are scheduled for release into Meadow Creek, a tributary of the Selway River. These parr are not anticipated to out-migrate until spring 2008. There are no other scheduled releases of juvenile salmonids over the next two weeks in this zone.

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 scheduled releases of juvenile salmonids in this zone over the past week.

Releases totaling approximately 10.15 million subyearling fall Chinook are scheduled to begin next week. The first release is scheduled to begin on June 11th from Ringold Hatchery and is estimated to be about 3.45 million subyearling fall Chinook. This release will be followed by a release of about 6.7 million subyearling fall Chinook from Priest Rapids Hatchery. Finally, approximately 250,000 subyearling summer Chinook are scheduled for release from Wells Hatchery, beginning June 11th. There are no other scheduled releases of juvenile salmonids over the next two weeks in this zone.

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 in this zone over the past week. A

volitional release of approximately 4.0 million subyearling fall Chinook from Klickitat Hatchery originally scheduled to begin June 1st has been postponed until around June 11th. This release is still anticipated to last approximately 2 weeks. 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
05/25/07	157.3	0.1	152.4	0.0	165.4	20.6	160.9	0.0	167.4	16.1	182.5	43.0	186.6	14.6
05/26/07	145.0	0.2	151.3	0.0	169.9	30.2	171.8	0.0	177.5	16.2	187.7	50.9	173.8	13.1
05/27/07	147.6	0.2	141.0	0.0	159.5	17.9	162.8	0.0	170.7	13.9	183.9	42.0	184.6	19.0
05/28/07	134.0	0.2	143.0	0.0	160.2	15.8	161.9	0.0	171.8	15.4	185.8	44.5	178.3	13.6
05/29/07	158.0	0.3	151.7	0.0	171.6	16.4	171.1	0.0	176.5	18.0	184.6	45.3	176.9	14.2
05/30/07	135.8	0.2	146.6	0.0	164.0	24.1	165.3	0.0	173.8	16.1	189.4	51.6	183.8	16.0
05/31/07	134.6	0.3	133.6	0.0	151.3	14.1	154.5	0.0	164.2	17.2	172.6	34.7	175.2	12.7
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	144.2	0.0	176.4	13.1	169.9	21.5	173.7	35.1	181.7	48.8	171.2	16.5

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

Date	Dworshak		Brownlee Canyon		Hells Granite		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
05/25/07	5.3	0.0	14.0	16.5	73.1	19.9	72.9	21.7	72.0	22.6	71.8	46.4		
05/26/07	5.3	0.0	12.6	11.4	64.7	19.8	62.5	18.7	64.4	22.7	68.0	29.7		
05/27/07	5.4	0.0	11.7	9.3	58.2	19.8	54.6	16.4	53.3	21.6	53.3	17.1		
05/28/07	5.4	0.0	12.2	12.2	57.5	19.9	57.4	17.2	57.7	20.9	56.4	16.7		
05/29/07	5.4	0.0	12.2	12.2	62.6	19.9	59.9	18.0	61.6	21.5	62.7	18.8		
05/30/07	5.3	0.0	12.0	15.2	58.5	19.8	56.7	17.0	56.8	21.2	56.1	17.9		
05/31/07	4.3	0.0	11.2	10.6	57.3	20.0	55.4	16.6	56.0	23.0	56.0	16.8		
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	---	---	57.9	19.8	58.1	17.6	58.1	22.2	58.9	23.2		

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		
05/25/07	265.9	106.6	251.9	70.4	252.0	101.0	272.7	98.0	71.9	91.3
05/26/07	255.7	102.1	244.0	64.0	239.3	96.3	253.6	95.6	51.7	94.8
05/27/07	235.2	93.7	218.5	61.1	206.7	82.4	221.4	92.2	23.2	94.5
05/28/07	252.9	101.1	254.7	67.4	256.3	102.0	269.5	92.5	68.9	96.5
05/29/07	236.6	94.3	227.3	62.5	233.6	93.6	248.8	96.6	46.4	94.3
05/30/07	244.8	97.7	233.1	60.9	225.7	89.4	244.5	97.7	41.8	93.5
05/31/07	245.6	98.3	238.7	61.9	232.1	91.7	250.3	98.3	40.5	100.0
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

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											
	05/29/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Little Goose Dam											
	05/29/07	Chinook + Steelhead	100	8	8	8.00%	0.00%	8	0	0	0
	06/05/07	Chinook + Steelhead	100	14	14	14.00%	0.00%	13	1	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											
	06/03/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	05/29/07	Chinook + Steelhead	107	6	6	5.60%	0.00%	6	0	0	0
	06/02/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	06/05/07	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
Rock Island Dam											
	05/31/07	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
	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

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary
5/25/2007 to 06/07/07

From:										
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver	
Nez Perce Tribe	Lyons Ferry Hatchery	CH0	FA	2007	500,000	05-28-07	05-29-07	Big Canyon (Clearwater River)	Clearwater River M F	
Nez Perce Tribe	Lyons Ferry Hatchery	CH0	FA	2007	500,000	05-29-07	05-29-07	Cpt John Acclim Pond	Snake River	
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2007	25,000	06-04-07	06-04-07	S Fk Clearwater River Pittsburg Landing	Clearwater River M F	
Nez Perce Tribe	Umatilla Hatchery	CH0	FA	2007	400,000	05-30-07	05-31-07	Acclim Pond	Snake River	
Nez Perce Tribe										
Total						1,425,000				
Grand Total						1,425,000				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From:	6/8/2007	to	6/21/2007							
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver	
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2007	25,000	06-11-07	06-11-07	Selway River Nez Perce Tribal	Clearwater River M F	
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2007	500,000	06-15-07	06-15-07	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					565,000					
Washington Dept. of Fish and Wildlife	Priest Rapids Hatchery	CH0	FA	2007	6,700,000	06-15-07	06-30-07	Priest Rapids Hatchery Ringold Springs	Mid-Columbia River	
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	CH0	FA	2007	3,450,000	06-11-07	06-22-07	Hatchery	Mid-Columbia River	
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH0	SU	2007	250,000	06-11-07	06-15-07	Wells Hatchery	Mid-Columbia River	
Washington Dept. of Fish and Wildlife Total					10,400,000					
Yakama Tribe	Klickitat Hatchery	CH0	FA	2007	4,000,000	06-11-07	06-25-07	Klickitat Hatchery	Klickitat River	
Yakama Tribe Total					4,000,000					
Grand Total					14,965,000					

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

Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	<u>Hungry H. Dnst</u>			<u>Boundary</u>			<u>Grand Coulee</u>			<u>Grand C. Tlwr</u>			<u>Chief Joseph</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</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>				
5/25	98	99	99	24	119	120	121	24	113	113	113	24	110	111	112	24	110	110	110	24
5/26	99	99	99	24	118	119	120	24	114	115	116	24	111	112	112	24	111	111	111	24
5/27	99	99	100	24	117	118	119	24	115	115	116	24	112	112	113	24	112	112	112	24
5/28	99	99	99	24	117	118	120	24	113	114	114	24	110	110	111	24	111	111	112	24
5/29	98	98	98	24	118	120	122	24	113	113	114	24	110	111	112	24	110	111	111	24
5/30	98	98	98	24	116	117	119	24	113	114	114	24	111	112	112	24	111	112	112	24
5/31	98	99	99	24	116	118	118	24	114	114	114	24	111	112	112	24	112	112	113	24
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

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>				
5/25	109	109	110	24	109	110	110	24	114	116	133	24	---	---	---	0	---	---	---	0
5/26	110	110	111	24	111	111	112	24	117	121	132	24	---	---	---	0	---	---	---	0
5/27	111	111	112	24	111	111	112	24	114	115	116	24	---	---	---	0	---	---	---	0
5/28	110	111	112	24	109	110	110	24	112	112	113	24	---	---	---	0	---	---	---	0
5/29	110	110	111	24	110	110	111	24	113	114	116	24	---	---	---	0	---	---	---	0
5/30	111	111	111	24	111	111	112	24	115	116	125	24	112	112	113	12	112	112	113	12
5/31	111	111	112	24	112	112	113	24	115	116	126	24	114	114	115	24	114	114	115	24
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

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>				
5/25	---	---	---	0	---	---	---	0	109	111	112	24	114	117	118	24	115	117	118	24
5/26	---	---	---	0	---	---	---	0	110	111	112	24	115	118	120	24	116	118	120	24
5/27	---	---	---	0	---	---	---	0	108	108	109	24	114	117	119	24	113	115	116	24
5/28	---	---	---	0	---	---	---	0	107	108	109	24	112	115	116	24	111	112	113	24
5/29	---	---	---	0	---	---	---	0	109	111	112	24	114	116	121	24	114	116	119	24
5/30	113	113	113	12	114	114	116	12	111	112	114	24	115	118	125	24	116	119	124	24
5/31	113	114	115	24	115	116	116	24	111	112	114	24	115	117	120	24	117	118	120	24
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	---	---	---	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>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg		Avg	High		Avg	Avg
5/25	115	117	117	24	110	110	111	24	99	100	100	24	101	102	103	24	104	105	106	24
5/26	116	118	119	24	112	113	114	24	99	100	100	24	---	---	---	0	104	105	105	24
5/27	114	115	116	24	111	112	113	24	99	100	100	24	---	---	---	0	103	104	104	24
5/28	111	112	114	24	108	109	109	24	99	99	99	24	100	101	101	24	102	103	103	24
5/29	114	116	116	24	109	110	110	24	99	99	100	24	101	103	103	24	104	105	105	24
5/30	117	119	122	24	112	113	113	24	99	100	100	24	102	103	104	24	104	105	106	24
5/31	117	118	118	24	113	114	115	24	100	101	101	24	102	103	104	24	104	105	106	24
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	---	---	---	0	105	106	107	24	100	100	100	24	101	101	101	24	103	103	104	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>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg		Avg	High		Avg	Avg
5/25	102	104	105	24	104	104	105	24	110	110	111	24	108	108	108	24	116	116	116	24
5/26	102	104	105	24	105	105	105	24	110	111	111	24	109	109	110	24	115	116	117	24
5/27	101	102	103	24	104	105	105	24	111	111	113	24	109	109	110	24	114	115	115	24
5/28	100	101	101	24	103	103	104	24	110	110	111	24	108	108	109	24	113	114	115	24
5/29	102	104	105	24	102	102	103	24	110	110	111	24	107	107	108	24	114	115	115	24
5/30	103	104	106	24	102	102	102	24	110	110	111	24	108	108	109	24	114	115	116	24
5/31	103	104	106	24	102	102	103	24	110	111	112	24	110	111	112	24	114	115	116	24
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

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>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#		
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg		Avg	High		Avg	Avg
5/25	113	114	114	24	119	119	120	24	115	115	116	24	115	116	117	24	---	---	---	0
5/26	113	114	114	24	119	119	120	24	115	116	116	24	115	116	116	24	---	---	---	0
5/27	114	114	114	24	118	119	119	24	115	116	116	24	113	115	116	24	---	---	---	0
5/28	112	112	113	24	117	117	118	24	113	113	114	24	113	114	115	24	---	---	---	0
5/29	111	111	111	24	117	117	117	24	112	113	113	24	114	115	115	24	---	---	---	0
5/30	111	112	112	24	116	117	117	24	112	113	113	24	113	114	115	24	---	---	---	0
5/31	112	113	114	24	116	118	119	24	114	115	115	24	114	115	116	24	---	---	---	0
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

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				
5/25	111	112	113	24	115	116	116	24	108	109	110	24	113	117	119	24	111	115	117	24
5/26	112	112	113	24	116	116	116	24	110	111	111	24	113	117	118	24	112	115	117	24
5/27	111	112	112	24	115	116	118	24	110	110	111	24	112	116	118	24	109	110	111	24
5/28	109	109	110	24	114	115	115	24	108	108	109	24	112	116	118	24	109	112	115	24
5/29	108	109	109	24	116	116	118	24	108	109	110	24	112	116	118	24	112	115	116	24
5/30	109	111	112	24	115	115	116	24	109	110	111	24	113	117	119	24	112	115	117	24
5/31	112	113	113	24	115	115	116	24	109	109	110	24	113	117	119	24	113	116	117	24
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

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				
5/25	115	117	119	24	113	115	115	24	115	115	116	24	114	115	116	24	119	119	119	24
5/26	115	117	118	24	114	115	116	24	116	116	116	24	114	115	116	24	118	118	119	24
5/27	113	114	115	24	111	113	114	24	114	115	115	24	111	112	114	24	117	117	118	24
5/28	114	116	117	24	108	109	109	24	112	112	112	24	111	112	112	24	118	118	118	24
5/29	115	117	118	24	111	112	114	24	114	115	115	24	111	111	112	24	118	118	119	24
5/30	115	117	119	24	114	114	115	24	116	116	117	24	113	115	116	24	118	118	118	24
5/31	116	118	119	24	116	117	117	24	117	118	118	17	115	117	118	24	118	118	119	24
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

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)	
05/25/2007	---	36	6	3	2,444	2,504	2,057	383	63,005	83,073	25,905	
05/26/2007	*	---	36	3	---	1,514	1,601	1,292	290	---	67,572	20,146
05/27/2007	*	---	64	---	---	853	1,808	487	154	29,829	49,173	9,521
05/28/2007	*	---	66	---	---	1,511	1,120	464	125	---	43,057	10,522
05/29/2007	---	93	---	---	2,397	1,505	229	69	48,977	33,984	13,885	
05/30/2007	*	---	59	---	---	1,533	967	172	92	---	20,506	10,838
05/31/2007	*	---	86	---	---	817	1,271	73	153	13,094	19,502	6,584
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	*	---	---	---	188	790	252	343	---	12,991	4,421	
06/08/2007	---	---	---	---	---	---	---	---	---	---	---	
<hr/>												
Total:	0	1,020	9	3	13,460	16,749	5,604	2,553	189,870	437,725	124,311	
# Days:	0	13	2	1	14	14	14	14	7	14	14	
Average:	0	78	5	3	961	1,196	400	182	27,124	31,266	8,879	
YTD	43,491	86,495	15,108	6,553	2,246,088	652,319	355,055	20,519	2,182,951	4,194,892	1,922,864	

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)	
05/25/2007	---	2	12	2	407	644	2,262	14	3,537	4,229	4,007	
05/26/2007	*	---	3	9	---	106	586	1,815	4	---	5,697	4,818
05/27/2007	*	---	0	---	---	556	273	974	7	903	7,548	4,187
05/28/2007	*	---	0	---	---	680	388	355	20	---	4,376	3,413
05/29/2007	---	0	---	---	2,888	244	413	15	3,633	4,739	4,425	
05/30/2007	*	---	0	---	---	2,625	340	713	13	---	4,074	6,126
05/31/2007	*	---	0	---	---	1,437	50	900	7	3,631	3,224	6,324
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	*	---	---	---	23,627	24,004	1,622	182	---	19,262	8,742	
06/08/2007	---	---	---	---	---	---	---	---	---	---	---	
<hr/>												
Total:	0	5	21	2	121,191	44,559	12,783	937	44,877	82,467	69,435	
# Days:	0	13	2	1	14	14	14	14	7	14	14	
Average:	0	0	11	2	8,657	3,183	913	67	6,411	5,891	4,960	
YTD	0	62	90	255	129,170	55,447	13,386	2,348	59,193	92,620	2,218,293	

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)	
05/25/2007	---	0	0	0	611	172	500	3,709	2,021	16,538	11,450	
05/26/2007	*	---	0	0	---	176	143	62	2,892	---	6,875	7,919
05/27/2007	*	---	0	---	---	148	617	0	2,087	2,393	3,946	8,353
05/28/2007	*	---	0	---	---	378	258	95	3,203	---	7,200	10,522
05/29/2007		---	0	---	---	1,275	178	92	1,316	4,224	4,197	5,473
05/30/2007	*	---	0	---	---	267	613	0	1,536	---	1,222	2,674
05/31/2007	*	---	0	---	---	45	445	0	1,793	2,532	2,854	5,480
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	*	---	---	---	---	126	560	31	655	---	2,957	3,511
06/08/2007		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:	0	0	0	0	4,044	8,038	1,209	23,843	19,300	61,533	79,625	
# Days:	0	13	2	1	14	14	14	14	7	14	14	
Average:	0	0	0	0	289	574	86	1,703	2,757	4,395	5,688	
YTD	0	0	0	57	49,913	52,091	17,506	59,696	82,634	323,206	595,445	

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)	
05/25/2007	---	60	0	13	17,246	9,273	8,844	533	6,942	13,653	3,292	
05/26/2007	*	---	36	0	---	15,279	17,038	7,075	480	---	10,803	2,131
05/27/2007	*	---	56	---	---	10,752	29,032	1,912	442	3,611	9,884	3,180
05/28/2007	*	---	172	---	---	8,232	12,087	2,343	361	---	9,035	10,352
05/29/2007		---	207	---	---	6,698	15,004	1,604	277	4,251	10,290	4,241
05/30/2007	*	---	81	---	---	5,062	11,759	2,508	211	---	5,432	1,892
05/31/2007	*	---	99	---	---	3,856	8,300	1,825	187	2,029	7,138	4,092
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	*	---	---	---	---	2,259	3,101	259	302	---	2,150	1,451
06/08/2007		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:	0	2,959	0	13	89,316	156,372	31,929	4,206	22,344	91,804	56,026	
# Days:	0	13	2	1	14	14	14	14	7	14	14	
Average:	0	228	0	13	6,380	11,169	2,281	300	3,192	6,557	4,002	
YTD	3,734	44,717	1,940	7,792	1,844,947	1,789,981	733,226	17,636	361,830	933,722	247,988	

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)	
05/25/2007	---	0	0	1	68	272	59	651	38,280	62,498	11,020	
05/26/2007	*	---	0	0	---	141	314	154	532	---	47,142	5,188
05/27/2007	*	---	0	---	---	74	14	35	269	54,437	43,600	10,411
05/28/2007	*	---	0	---	---	76	215	47	115	---	14,399	13,423
05/29/2007		---	0	---	---	154	83	46	112	28,924	42,514	7,872
05/30/2007	*	---	0	---	---	74	234	25	75	---	15,345	3,905
05/31/2007	*	---	0	---	---	60	231	24	69	12,748	13,977	3,583
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	86	52	27	---	16,485	3,105
06/08/2007		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	1	818	2,351	725	2,102	160,079	367,312	73,051
# Days:		0	13	2	1	14	14	14	14	7	14	14
Average:		0	0	0	1	58	168	52	150	22,868	26,237	5,218
YTD		27	0	0	413	20,495	16,619	5,604	16,322	490,641	712,668	157,269

* 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:

6/8/07 9:09 AM

		05/25/07 TO 06/08/07						
		Species						
Site	Data	CH0	CH1	CO	SO	ST	Grand Total	
LGR	Sum of NumberCollected	77,711	9,115	2,695	550	60,794	150,865	
	Sum of NumberBarged	72,861	8,589	2,688	548	56,906	141,592	
	Sum of NumberBypassed	4,531	500	0	0	3,842	8,873	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	45	4	1	0	5	55	
	Sum of FacilityMorts	154	22	6	2	41	225	
	Sum of ResearchMorts	120	0	0	0	0	120	
	Sum of TotalProjectMorts	319	26	7	2	46	400	
LGS	Sum of NumberCollected	31,047	11,680	5,606	1,641	109,045	159,019	
	Sum of NumberBarged	30,830	11,623	5,603	1,633	108,923	158,612	
	Sum of NumberBypassed	197	26	1	0	26	250	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	1	2	1	0	3	7	
	Sum of FacilityMorts	19	28	1	8	93	149	
	Sum of ResearchMorts	0	1	0	0	0	1	
	Sum of TotalProjectMorts	20	31	2	8	96	157	
LMN	Sum of NumberCollected	7,839	3,588	764	442	20,245	32,878	
	Sum of NumberBarged	7,829	3,569	764	441	18,567	31,170	
	Sum of NumberBypassed	2	13	0	0	1,621	1,636	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	5	3	0	0	9	17	
	Sum of FacilityMorts	3	3	0	1	48	55	
	Sum of ResearchMorts	0	0	0	0	0	0	
	Sum of TotalProjectMorts	8	6	0	1	57	72	
MCN	Sum of NumberCollected	26,591	112,550	11,436	94,879	13,244	258,700	
	Sum of NumberBarged	0	0	0	0	0	0	
	Sum of NumberBypassed	26,583	112,459	11,430	94,784	13,223	258,479	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	5	23	3	19	6	56	
	Sum of FacilityMorts	4	66	3	74	15	162	
	Sum of ResearchMorts	0	2	0	2	0	4	
	Sum of TotalProjectMorts	9	91	6	95	21	222	
Total Sum of NumberCollected		143,188	136,933	20,501	97,512	203,328	601,462	
Total Sum of NumberBarged		111,520	23,781	9,055	2,622	184,396	331,374	
Total Sum of NumberBypassed		31,313	112,998	11,431	94,784	18,712	269,238	
Total Sum of Numbertrucked		0	0	0	0	0	0	
Total Sum of SampleMorts		56	32	5	19	23	135	
Total Sum of FacilityMorts		180	119	10	85	197	591	
Total Sum of ResearchMorts		120	3	0	2	0	125	
Total Sum of TotalProjectMorts		356	154	15	106	220	851	

YTD Transportation Summary

Source: Fish Passage Center

Updated:

6/8/07 9:09 AM

TO: 06/08/07

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	83,481	1,577,297	37,805	15,810	1,359,152	3,073,545
	Sum of NumberBarged	77,761	1,124,244	36,357	15,430	1,177,911	2,431,703
	Sum of NumberBypassed	5,387	451,109	1,432	356	180,788	639,072
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	50	56	1	2	29	138
	Sum of FacilityMorts	163	1,008	15	22	424	1,632
	Sum of ResearchMorts	120	880	0	0	0	1,000
	Sum of TotalProjectMorts	333	1,944	16	24	453	2,770
LGS	Sum of NumberCollected	38,599	461,134	37,412	11,656	1,264,480	1,813,281
	Sum of NumberBarged	38,154	396,202	36,866	11,209	1,142,091	1,624,522
	Sum of NumberBypassed	415	64,720	541	433	121,828	187,937
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	1	31	3	2	16	53
	Sum of FacilityMorts	29	176	2	12	545	764
	Sum of ResearchMorts	0	7	0	0	0	7
	Sum of TotalProjectMorts	30	214	5	14	561	824
LMN	Sum of NumberCollected	8,300	278,908	13,246	4,085	570,296	874,835
	Sum of NumberBarged	8,240	270,355	13,223	4,060	559,366	855,244
	Sum of NumberBypassed	29	8,080	21	2	10,451	18,583
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	5	30	0	0	64	99
	Sum of FacilityMorts	26	390	2	23	432	873
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	31	420	2	23	496	972
MCN	Sum of NumberCollected	35,094	1,292,262	48,944	290,773	214,317	1,881,390
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	35,047	1,291,314	48,929	290,275	213,933	1,879,498
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	6	136	4	54	30	230
	Sum of FacilityMorts	42	799	11	442	354	1,648
	Sum of ResearchMorts	0	13	0	2	0	15
	Sum of TotalProjectMorts	48	948	15	498	384	1,893
Total Sum of NumberCollected		165,474	3,609,601	137,407	322,324	3,408,245	7,643,051
Total Sum of NumberBarged		124,155	1,790,801	86,446	30,699	2,879,368	4,911,469
Total Sum of NumberBypassed		40,878	1,815,223	50,923	291,066	527,000	2,725,090
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		62	253	8	58	139	520
Total Sum of FacilityMorts		260	2,373	30	499	1,755	4,917
Total Sum of ResearchMorts		120	900	0	2	0	1,022
Total Sum of TotalProjectMorts		442	3,526	38	559	1,894	6,459

Cumulative Adult Passage at Mainstem Dams Through: 06/07

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	06/07	66624	16606	96456	2908	156175	8234	6283	1563	8202	397	8409	832	0	0	0	0	0	0
TDA	06/07	52795	15406	61827	2176	108412	6003	3000	752	3924	193	3938	354	0	0	0	0	0	0
JDA	06/07	43379	13663	50313	2093	90974	4767	1327	341	1277	79	1489	115	0	0	0	0	0	0
MCN	06/06	37699	11902	44503	2342	82572	4892	0	0	0	0	0	0	0	0	0	0	0	0
IHR	06/07	26455	6906	23583	778	54039	2934	0	0	0	0	0	0	0	0	0	0	0	0
LMN	06/07	24759	6515	21067	460	49922	2566	0	0	0	0	0	0	0	0	0	0	0	0
LGS	06/05	20684	6233	17296	524	45466	2398	0	0	0	0	0	0	0	0	0	0	0	0
LGR	06/07	19165	7878	18751	744	45671	2637	0	0	0	0	0	0	0	0	0	0	0	0
PRD	06/05	6038	397	7489	71	16192	460	0	0	0	0	0	0	0	0	0	0	0	0
RIS	06/06	4758	1656	8401	386	12619	634	0	0	0	0	0	0	0	0	0	0	0	0
RRH	06/06	2092	720	4449	171	4708	241	0	0	0	0	0	0	0	0	0	0	0	0
WEL	06/06	957	458	2302	63	2552	106	0	0	0	0	0	0	0	0	0	0	0	0
WFA	06/02	17155	174	25739	137	5301	91	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	400	303	709	4147	3852	5403	946
TDA	0	0	0	0	0	0	214	109	342	1433	1370	1551	439
JDA	1	0	0	0	0	0	152	72	237	2392	2547	3531	838
MCN	0	0	0	0	0	0	63	2	39	2035	2237	1878	599
IHR	0	0	0	0	0	0	0	0	0	2334	2728	1849	625
LMN	0	0	0	0	0	0	0	0	0	2388	2875	1841	849
LGS	0	0	0	0	0	0	0	0	0	2317	2695	2099	766
LGR	0	0	0	0	0	0	0	0	0	10592	7606	6734	2407
PRD	0	1	0	0	0	0	0	0	17	53	46	14	0
RIS	0	0	0	0	0	0	0	0	1	53	62	38	24
RRH	0	0	0	0	0	0	1	0	0	173	152	117	78
WEL	0	0	0	0	0	0	0	0	0	43	34	23	27
WFA	2	0	0	0	0	0	0	0	0	11121	15160	2541	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: 06/08/07

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
12