Fish Passage Center
Weekly Report #07 - 13

June 1, 2007

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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 May 1-28		Water Year 2007 October 1, 2006 to May 28, 2007	
	Observed (inches)	% Average	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 Early runoff volume forecasts for multiple reservoirs. Water Supply Forecasts did not vary much between the May Final and June Early forecasts at most Columbia Basins and Snake Basin sites, with the exception of Libby and Hungry Horse Dams which had increases in water supply of 6% and 9%, respectively. The current forecast at The Dalles between January and July is 100000 Kaf (93% of average).

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

Location	May Final		June Early	
	% Average (1971-2000)	Probable Runoff Volume (Kaf)	% Average (1971-2000)	Probable Runoff Volume (Kaf)
The Dalles (Jan-July)	92	99100	93	100000
Grand Coulee (Jan-July)	104	65300	105	66100
Libby Res. Inflow, MT (Jan-July)	108	6790	114	7200
Hungry Horse Res. Inflow, MT (Jan-July)	92	2050	101	2240
Lower Granite Res. Inflow (Apr- July)	66	14200	66	14300
Brownlee Res. Inflow (Apr-July)	48	3040	47	2990
Dworshak Res. Inflow (Apr-July), RFC Forecast	78	2060	78	2060
Dworshak Res. Inflow (Apr-July), COE Forecast	70 (May Final)	1868 (May Final)		

Grand Coulee Reservoir is at 1268.8 feet (5-31-07) and refilled 3.0 last week. Outflows at Grand Coulee ranged between 134.6 and 158.0 Kcfs last week.

Dworshak is currently at an elevation of 1591.9 feet (5-31-07) and refilled 2.7 feet last week. Outflows at Dworshak were reduced to 4.3 Kcfs on May 31, 2007 and will be reduced further to approximately 2.5 Kcfs on June 2nd, 2007 in an effort to assure the refill of Dworshak Dam.

The Libby Reservoir is currently at elevation 2412.8 feet (5-31-07) and refilled 2.3 feet last week. Sturgeon pulse operations have been occurring at Libby with outflows currently at 25 Kcfs.

Hungry Horse is currently at an elevation of 3552.0 feet (5-31-07) and refilled 1.2 feet last week. Outflows at Hungry Horse are currently 5.9 Kcfs.

The Brownlee Reservoir was at an elevation of 2076.0 feet on May 31st, 2007, holding steady last week. Outflows at Brownlee Dam have been 8.1 to 18 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 247.9 Kcfs and 249.5 Kcfs over the season. The Lower Granite Dam flow over the past week averaged 63.4 Kcfs and 64.4 Kcfs over the season. The Priest Rapids Dam flow over the past week averaged 169 Kcfs and 170.8 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

From May 25 to May 30, spill at Lower Granite Dam had been averaging between 19.8 and 19.9 Kcfs daily, slightly lower than the 20 Kcfs specified in the Court Order. However, on May 31, average spill at Lower Granite Dam met the Court Order at 20.0 Kcfs. 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 on May 25 and May 26 (115.5% each day). However, the total dissolved gas readings at the Lower Monumental tailrace did not exceed the 120% waiver on either of these days. Daily average spill was 22.6 Kcfs earlier in the week but was gradually decreased to approximately 21 Kcfs for four days. On May 31, the daily average spill at Lower Monumental Dam increased to 23.0 Kcfs, after four days of no exceedences from either the tailrace monitor or the forebay monitor at Ice Harbor Dam.

Ice Harbor spill is being provided to achieve the study conditions specified in the Court's Order. At BPA's request, the original spill schedule for this study has been modified. Specifically, two days of 45 Kcfs/Gas Cap have been switched with two days of 30%/30% spill . Therefore on May 30 and 31 spill was at the 30%/30% level, and will be at the 45Kcfs/Gas Cap level on June 3 and 4.

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 only come close to the Court's Order two times over the past week (May 30 and 31). This is due to the COE spill caps. Total dissolved gas at the next downstream forebay (The Dalles) exceeded the 115% waiver on May 25 (115.1%) and May 31 (115.8%). However, total dissolved gas at the John Day tailrace has not exceeded the 120% waiver all week. In fact, total dissolved gas averages at the John Day tailrace have been less than 118% all week.

Spill at The Dalles has met the Court's Order on a daily basis over the past week. Despite a decrease in spill volume over the past week, total dissolved gas at the next downstream forebay (Bonneville Dam) exceeded the 115% waiver on May 31 (116.5%). However, total dissolved gas at The Dalles tailrace has been below the 120% waiver over the past week.

Daily average spill at Bonneville Dam ranged from 92.2 Kcfs to 98.0 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 117.1% and 118.8 %, while the downstream forebay readings at Camas/Washougal ranged between 111.3% and 116.6%. After an exceedence of the total dissolved gas waiver at the Camas/Washougal gauge on May 24, spill at Bonneville was reduced to 98 Kcfs on May 25. Total dissolved gas at Camas/Washougal continued to exceed the 115% waiver on May 26 and 27. Thus, spill at Bonneville was further reduced to 92.2 Kcfs and 92.5 Kcfs on May 27 and 28, respectively. Spill at Bonneville gradually increased over the next few days and ranged from 96.6 Kcfs and 97.7 Kcfs. On May 31, the average spill volume at Bonneville was 97.5% and the total dissolved gas at Camas/Washougal gauge exceeded the 115.0% waiver (116.6%).

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 small percentage of fish (2.0 - 8.0%) were observed with minor signs of GBT at Little Goose, Lower Monumental, Bonneville and Rock Island dams over the past week. Most signs observed (95.6%) were of the lowest rank, with the exception of one Rank 2 sign observed at Bonneville Dam. However, all samples were well below the action criteria of 15% of fish observed with signs of GBT or 5% with signs of GBT greater than Rank 1.

Smolt Monitoring: Smolt Monitoring at Snake River tributary traps ended May 25. Due to high flows and debris the Salmon River Trap has not sampled since May 11. Flows dropped over past several days in the tributaries, where SMP traps are sampling. In the Salmon River, flows dropped down to 20 Kcfs, about half the median historic value, and despite warmer temperatures the past few days there has not been an increase in flows. Similar low flows were seen in the Imnaha and Grande Ronde Rivers.

At Lower Granite Dam, there was a continued decrease in passage of spring migrants the past week. The passage index for yearling Chinook averaged 1,600 per day, compared to 9,000 last week, and steelhead averaged 9,600 per day this week compared to 29,000 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 an 4.3 to 5.7 million steelhead have passed. Subyearling Chinook average indices doubled this week from 650 per day last week to over 1,200 per day this week.

Transportation began May 8 at Little Goose, so that sampling in support of transport began May 7, while full 24-hour sampling at Lower Monumental began 3 days later, on May 10. The first collection for transport began May 11, with the first barge load of fish transported May 12. Prior to those dates some sampling for research and fish condition had occurred at those dams. As a result of the increased sampling, passage indices and collection numbers increased greatly at Little Goose Dam and Lower Monumental Dam the past two weeks.

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 2,300 this past week. Sockeye dropped too, with index decreasing to 260 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 350. Yearling Chinook numbers have declined as well, with the weekly average index down to 180 over the past week. Subyearling Chinook are still being captured in relatively small numbers at the trap, and typically pick up in the next few weeks in the sample.

In the Lower Columbia, at McNary Dam, numbers of subyearlings are up slightly this week, with the index averaging 2,900 this week. Coho and sockeye numbers decreased this past week. But, unlike the Snake River, yearling Chinook continue to predominate in the passage. The yearling Chinook index averaged 39,000 for the past 4 sampling dates, compared to 101,000 the previous 4 days of sampling. Steelhead indices averaged 4,200 per day the past 4 sampling days, compared to 14,000 the previous time period. While at John Day Dam indices for all spring migrants were down. The yearling chinook index averaged 44,000 per day this week compared to 99,000 last week, and steelhead index averaged 9,000 compared to 12,000 the previous week. Coho indices averaged 6,000 this past week while the sockeye index fell to an average of 34,000 per day this week compared to 41,000 per day the previous week.

Adult Passage: Daily passage numbers at Bonneville Dam have ranged between 571 and 909 adult spring Chinook in the last week. The 2007 spring Chinook count of 66,624 is about 42.6 percent of the 10-year average count and 69.0 percent of the 2006 count. The 2007 spring Chinook migration arrived earlier than the 2006 migration, but arrived later than the 10-year average migration. The spring Chinook jack count of 16,606 at Bonneville Dam is presently 5.71 times greater than observed in 2006, and about twice as large as the 10-year average count to date. The summer Chinook count begins June 1st at Bonneville Dam.

As of May 31st, 3,511 steelhead had passed Bonneville Dam which is about 1.10 times the 2006 count of 3,165. The 2007 Bonneville steelhead count is about 81.7 percent of the 10-year average. As of May 31st 695,661 adult Shad have been counted at Bonneville Dam this season with daily counts ranging from 30,385 to 101,501.

A total of 24,121 spring Chinook adults have been observed at Ice Harbor Dam as of May 30th. The 2007 Ice Harbor count increased about 1.18 times when compared to the 2006 count. However, it is only 48.7 percent of the 10-year average. The 2007 spring Chinook jack count of 6,176 is about 10.5 times the 2006 count and 2.45 times the 10-year average count.

As of May 31st, adult spring Chinook counts were 22,412 at Lower Monumental Dam and 14,627 at Little Goose Dam as of (May 30th), a difference of 7,785 fish. So far this year the jack spring Chinook counts were 5,841 at Lower Monumental Dam and 5,042 at Little Goose Dam, a difference of 799 salmon. Over the last week, the COE staff and the Salmon managers have investigated the issue of 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. Preliminary results from the COE indicate that 2,146 adult salmon passed the LGS project on May, 31, 2007, a drastic improvement from the 91 adults passing the previous day. These numbers are from a personal communication with COE staff on June 1st. They have not been published on the COE website yet.

The 2007 spring Chinook adult count at Priest Rapids Dam of 5,327 has 1,076 fewer salmon when compared to the 2006 count. Additionally, the 2007 Priest Rapids spring Chinook count is only 34.3 percent of the 10-year average. As of May 29th, the 2007 spring Chinook adult count at Priest Rapids was 5,327, while the adult spring Chinook count at Rock Island was 4,271 (as of May 30th). The 2007 spring Chinook jack count at Priest Rapids Dam was 243, while the jack count at Rock Island was 1,157, an increase of 914 salmon between the two dams. These counts are currently being reviewed.

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 1.4 million subyearling fall Chinook were scheduled for release into this zone this week. Of these 35.7% were scheduled for release from the Big Canyon Creek Acclimation Facility on the Clearwater River. The remaining 64.3% were scheduled for release from the Pittsburg Landing and Captain Johns Rapids Acclimation Facilities on the Snake River. A large portion (approximately 42.9%) of these subyearling fall Chinook are unmarked and untagged. These three releases were the only scheduled releases in this zone for this week.

Approximately 50,000 subyearling fall Chinook from the Nez Perce Tribal Hatchery are scheduled for release to various locations throughout the Clearwater River Basin over the next two weeks. 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 this week.

A release of an estimated 3.45 million subyearling fall Chinook is scheduled to begin on June 11th from Ringold Hatchery. Also scheduled to begin on June 11th is a release of approximately 250,000 subyearling summer Chinook from Wells Hatchery. 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. A volitional release of approximately 4.0 million subyearling fall Chinook from Klickitat Hatchery is scheduled to begin on or around June 1st. This release is 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

	Grand Coulee		Chief Joseph		Wells		Rocky Reach		Rock Island		Wanapum		Priest Rapids	
Date	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
05/18/07	126.3	0.0	126.9	0.0	150.5	19.7	156.5	0.0	165.8	15.6	175.2	33.5	169.9	15.3
05/19/07	113.2	0.0	113.5	0.0	135.5	12.5	140.5	0.0	150.3	13.9	160.3	18.2	162.2	14.1
05/20/07	108.3	0.0	108.5	0.0	132.4	12.3	136.3	0.0	147.8	11.9	158.5	15.0	155.9	15.3
05/21/07	133.7	0.0	139.4	0.0	160.3	22.4	158.5	0.0	164.4	17.2	166.3	28.1	165.0	14.6
05/22/07	135.8	0.0	132.7	0.0	155.9	14.6	163.9	0.0	171.6	17.2	184.4	41.4	177.5	14.1
05/23/07	139.9	0.0	140.4	0.0	157.2	13.6	155.5	0.0	161.9	17.3	174.2	31.6	174.7	14.2
05/24/07	147.5	0.0	151.9	0.0	169.8	23.6	168.5	0.0	173.6	16.8	178.9	37.5	172.9	14.1
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

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

	Dworshak		Brownlee	Hells Canyon	Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
Date	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
05/18/07	5.4	0.0	14.8	16.3	92.7	19.8	92.6	27.1	92.6	22.1	95.3	52.6
05/19/07	5.4	0.0	14.1	13.8	91.1	19.8	87.2	26.1	87.9	21.7	89.3	60.0
05/20/07	5.4	0.0	14.7	14.5	88.0	19.7	85.4	25.8	85.8	23.3	87.8	56.9
05/21/07	5.4	0.0	14.3	15.2	87.0	19.8	84.6	25.4	85.9	22.7	89.5	58.4
05/22/07	5.4	0.0	14.5	12.6	84.8	19.8	83.7	25.2	83.7	22.5	84.4	34.2
05/23/07	5.3	0.0	14.5	15.1	75.2	19.7	71.8	21.6	72.8	23.1	73.9	22.3
05/24/07	5.4	0.0	14.6	20.8	74.2	19.8	70.1	21.0	69.5	22.8	70.6	41.0
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	12.0	12.0	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	---	---	57.3	20.0	55.4	16.6	56.0	23.0	56.0	16.8

Daily Average Flow and Spill (in kcfs) at Lower Columbia Projects

	McNary		John Day		The Dalles		Bonneville			
Date	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	PH1	PH2
05/18/07	257.0	103.0	252.8	59.9	253.9	101.6	269.4	98.1	66.9	92.9
05/19/07	272.3	109.7	258.3	63.9	254.8	102.4	278.2	98.0	72.4	96.3
05/20/07	268.2	107.1	264.9	66.7	259.1	102.9	266.1	98.2	64.0	92.4
05/21/07	279.5	111.4	262.1	61.1	255.6	100.5	256.5	97.8	47.0	100.1
05/22/07	265.9	106.2	261.0	66.9	254.3	101.6	270.7	98.1	65.2	95.9
05/23/07	264.4	105.7	255.9	63.8	258.1	103.9	269.0	98.6	63.1	95.8
05/24/07	263.6	105.2	254.1	58.8	245.6	97.6	267.5	99.0	60.7	96.3
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	97.5	40.5	100.0

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											
	05/22/07	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
	05/29/07	Chinook + Steelhead	100	8	8	8.00%	0.00%	8	0	0	0
Lower Monumental Dam											
	05/28/07	Chinook + Steelhead	100	5	5	5.00%	0.00%	5	0	0	0
McNary Dam											
	05/28/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	05/22/07	Chinook + Steelhead	119	7	7	5.88%	0.00%	4	3	0	0
	05/26/07	Chinook + Steelhead	101	2	2	1.98%	0.00%	1	1	0	0
	05/29/07	Chinook + Steelhead	107	6	6	5.60%	0.00%	6	0	0	0
Rock Island Dam											
	05/28/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/31/07	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: 5/18/2007 to 05/31/07

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	163,431	05-22-07	05-23-07	Lapwai Creek	Clearwater River M F
Nez Perce Tribe	Umatilla Hatchery	CH0	FA	2007	400,000	05-30-07	05-31-07	Pittsburg Landing Acclim Pond	Snake River
Nez Perce Tribe Total					**1,563,431**				
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2007	200,000	05-23-07	05-23-07	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2007	96,219	05-04-07	05-23-07	Methow River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2007	107,545	04-30-07	05-22-07	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2007	111,679	04-25-07	05-23-07	Twisp River	Methow River
Washington Dept. of Fish and Wildlife Total					**515,443**				
Grand Total					**2,078,874**				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From: 6/1/2007 to 6/14/2007

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	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	Ringold Springs Hatchery	CH0	FA	2007	3,450,000	06-11-07	06-22-07	Ringold Springs 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					**3,700,000**				
Yakama Tribe	Klickitat Hatchery	CH0	FA	2007	4,000,000	06-01-07	06-15-07	Klickitat	Klickitat River
Yakama Tribe Total					4,000,000				
Grand Total					**7,750,000**				

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

	Hungry H. Dnst				Boundary				Grand Coulee				Grand C. Tlwr				Chief Joseph			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
5/18	99	99	99	24	121	121	122	24	111	112	112	24	109	109	110	24	109	110	110	24
5/19	98	99	99	24	120	120	121	24	111	112	112	24	109	109	109	24	109	109	110	24
5/20	99	99	99	24	120	121	122	24	112	112	113	24	109	110	110	24	109	109	110	24
5/21	99	99	100	24	120	120	121	24	113	113	113	24	110	110	111	24	109	109	110	24
5/22	98	98	98	24	120	120	121	24	112	112	113	24	109	109	110	24	109	109	109	24
5/23	98	98	99	24	119	121	121	24	112	113	113	24	109	110	111	24	109	110	110	24
5/24	98	98	98	24	120	121	122	24	113	113	114	24	110	111	111	24	110	110	110	24
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

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

	Chief J. Dnst				Wells				Wells Dwnstrm				Rocky Reach				Rocky R. Tlwr			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
5/18	108	109	110	24	108	108	109	24	112	114	124	24	111	111	112	8	111	111	112	8
5/19	109	110	110	24	108	108	108	24	111	112	118	24	---	---	---	0	---	---	---	0
5/20	109	109	110	24	107	108	108	24	110	110	111	24	---	---	---	0	---	---	---	0
5/21	108	109	110	24	107	107	108	24	111	113	120	24	---	---	---	0	---	---	---	0
5/22	108	108	109	24	107	107	108	24	110	110	112	24	---	---	---	0	---	---	---	0
5/23	108	109	110	24	108	109	113	24	111	112	115	24	---	---	---	0	---	---	---	0
5/24	109	109	110	24	110	110	111	23	113	115	130	23	---	---	---	0	---	---	---	0
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

Total Dissolved Gas Saturation at Mid Columbia River Sites

	Rock Island				Rock I. Tlwr				Wanapum				Wanapum Tlwr				Priest Rapids			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
5/18	109	109	109	8	112	112	112	8	109	110	112	24	113	115	117	24	113	114	116	24
5/19	---	---	---	0	---	---	---	0	109	109	110	24	113	115	116	24	112	113	115	24
5/20	---	---	---	0	---	---	---	0	109	109	111	24	112	114	115	24	112	114	115	24
5/21	---	---	---	0	---	---	---	0	108	108	109	24	112	115	119	24	111	112	113	24
5/22	---	---	---	0	---	---	---	0	107	109	111	24	113	116	118	24	112	115	116	24
5/23	---	---	---	0	---	---	---	0	108	109	112	24	112	113	116	22	112	114	116	24
5/24	---	---	---	0	---	---	---	0	108	109	110	24	113	115	119	24	112	114	116	24
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	---	---	---	0	---	---	---	0	---	---	---	0

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

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

	Priest R. Dnst				Pasco				Dworshak				Clrwtr-Peck				Anatone			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
5/18	114	115	116	24	112	113	114	24	99	99	100	24	102	103	104	24	105	106	106	24
5/19	113	114	115	24	110	110	111	24	99	99	100	24	112	123	127	24	104	105	105	24
5/20	113	115	116	24	109	110	111	24	99	99	99	24	126	126	127	24	104	105	105	24
5/21	112	113	113	24	108	109	110	24	99	99	99	24	114	125	126	24	104	105	105	24
5/22	112	114	115	24	108	109	110	24	99	99	100	24	101	102	103	24	105	105	106	24
5/23	113	115	115	24	110	111	112	24	99	100	100	24	102	103	104	24	105	106	106	24
5/24	113	114	115	24	111	112	113	24	99	100	100	24	102	102	103	24	105	105	106	24
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	---	---	---	0	113	114	115	24	100	101	101	24	102	103	104	24	104	105	106	24

Total Dissolved Gas Saturation Data at Snake River Sites

	Clrwtr-Lewiston				Lower Granite				L. Granite Tlwr				Little Goose				L. Goose Tlwr			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
5/18	102	103	104	24	104	105	105	24	110	110	111	24	108	108	109	24	116	116	117	24
5/19	101	102	102	24	104	104	104	24	110	110	110	24	108	108	109	24	116	116	116	24
5/20	101	101	102	24	103	104	104	24	110	110	111	24	108	108	108	24	116	116	116	24
5/21	100	101	101	24	103	103	104	24	109	109	110	24	106	107	108	24	115	116	116	24
5/22	101	102	104	24	102	102	102	24	109	110	110	24	105	106	106	24	115	115	115	24
5/23	102	104	105	24	102	102	102	24	109	110	110	24	106	107	107	24	115	115	115	24
5/24	102	104	105	24	103	103	104	24	109	110	111	24	107	107	108	24	115	116	117	24
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

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

	Lower Mon.				L. Mon. Tlwr				Ice Harbor				Ice Harbor Tlwr				McNary-Oregon			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
5/18	114	114	114	24	116	117	117	24	114	114	115	24	117	118	119	24	---	---	---	0
5/19	114	114	114	24	115	115	116	24	114	114	114	24	116	117	118	24	---	---	---	0
5/20	114	114	114	24	118	121	122	24	113	113	114	24	116	117	118	24	---	---	---	0
5/21	113	113	114	24	118	120	122	24	112	113	113	24	116	116	117	24	---	---	---	0
5/22	113	113	113	24	116	118	119	24	112	113	113	24	115	116	116	24	---	---	---	0
5/23	113	114	114	24	119	119	120	24	113	114	114	24	115	115	115	24	---	---	---	0
5/24	114	114	114	24	119	120	120	24	115	115	115	24	115	116	116	24	---	---	---	0
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

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

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

	McNary-Wash				McNary Tlwr				John Day				John Day Tlwr				The Dalles			
	24 h	12 h		#	24 h	12 h		#	24h	12h		#	24h	12h		#	24h	12h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
5/18	111	112	112	24	116	116	118	24	110	111	111	24	114	118	119	24	111	114	116	24
5/19	110	111	111	24	116	116	116	24	109	110	110	24	113	117	118	24	111	113	115	24
5/20	111	111	111	24	115	116	116	24	109	109	109	24	113	117	119	24	111	114	117	24
5/21	109	109	110	24	115	115	116	24	107	108	108	24	112	117	121	24	108	109	110	24
5/22	108	108	109	24	114	114	115	24	106	106	107	24	112	117	119	24	108	111	114	24
5/23	110	110	111	24	114	114	115	24	106	107	107	24	112	117	119	24	110	113	115	24
5/24	111	111	112	24	115	116	116	24	108	108	109	24	112	117	119	24	110	112	115	24
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

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

	The Dalles Dnst				Bonneville				Warrendale				Camas\Washougal				Cascade Island			
	24 h	12 h		#	24 h	12 h		#	24h	12h		#	24h	12h		#	24h	12h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
5/18	116	117	118	24	112	112	114	24	114	114	115	24	113	114	114	24	118	118	119	24
5/19	115	117	118	24	112	113	114	24	113	114	115	24	112	113	114	24	118	118	119	24
5/20	115	117	119	24	112	113	114	24	114	114	115	24	112	113	115	24	118	118	118	24
5/21	113	114	115	24	111	112	114	24	114	115	116	24	111	112	113	24	118	118	118	24
5/22	113	115	117	24	109	109	110	24	112	112	113	24	111	112	113	24	118	118	118	24
5/23	115	116	118	24	110	111	113	24	113	114	114	24	112	113	114	24	118	118	119	24
5/24	114	116	117	24	113	114	114	24	115	116	116	24	114	116	117	24	118	118	119	24
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

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)
05/18/2007	*	---	96	10	5	18,552	19,039	10,119	1,003	---	112,180	32,002
05/19/2007		---	110	16	25	13,055	16,442	9,155	487	124,801	98,669	49,307
05/20/2007	*	---	62	27	11	10,402	11,689	12,623	438	---	103,639	39,276
05/21/2007		---	75	27	10	8,925	10,682	11,335	332	87,272	117,291	24,348
05/22/2007	*	---	65	14	10	8,031	35,591	11,213	308	---	115,953	33,126
05/23/2007		---	65	5	2	2,118	7,209	4,223	543	90,077	82,044	33,536
05/24/2007	*	---	30	4	2	2,586	3,952	1,802	429	---	65,763	35,223
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		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**943**	**112**	**68**	**74,738**	**115,380**	**65,244**	**4,806**	**457,055**	**1,012,406**	**344,219**
# Days:		**0**	**14**	**9**	**8**	**14**	**14**	**14**	**14**	**7**	**14**	**14**
Average:		**0**	**67**	**12**	**9**	**5,338**	**8,241**	**4,660**	**343**	**65,294**	**72,315**	**24,587**
YTD		**43,491**	**85,915**	**15,108**	**6,553**	**2,243,697**	**646,346**	**354,225**	**19,232**	**2,147,986**	**4,074,034**	**1,895,954**

				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)
05/18/2007	*	---	1	5	9	389	1,576	0	23	---	0	1,764
05/19/2007		---	0	3	5	697	1,134	99	17	1,530	190	3,150
05/20/2007	*	---	0	4	2	127	502	200	8	---	384	2,731
05/21/2007		---	0	3	6	1,564	1,935	0	18	3,036	560	1,526
05/22/2007	*	---	0	7	8	1,036	2,575	0	14	---	1,140	1,747
05/23/2007		---	0	3	1	198	649	0	21	3,034	3,259	2,174
05/24/2007	*	---	0	4	4	545	72	87	4	---	4,109	4,003
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		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**6**	**50**	**37**	**13,255**	**10,968**	**7,818**	**185**	**19,304**	**43,529**	**50,395**
# Days:		**0**	**14**	**9**	**8**	**14**	**14**	**14**	**14**	**7**	**14**	**14**
Average:		**0**	**0**	**6**	**5**	**947**	**783**	**558**	**13**	**2,758**	**3,109**	**3,600**
YTD		**0**	**62**	**90**	**255**	**16,678**	**13,413**	**8,035**	**1,491**	**26,020**	**44,040**	**2,182,158**

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)
05/18/2007	*	---	0	0	0	3,114	1,574	1,447	5,017	---	8,067	15,006
05/19/2007		---	0	0	2	2,408	1,559	995	2,828	5,748	11,574	16,710
05/20/2007	*	---	0	0	0	2,727	1,793	902	3,824	---	13,242	21,348
05/21/2007		---	0	0	0	1,694	2,437	1,146	1,918	8,929	14,544	8,844
05/22/2007	*	---	0	0	1	2,461	6,938	1,486	3,431	---	13,284	13,614
05/23/2007		---	0	0	0	1,255	1,514	716	4,949	8,096	8,625	13,110
05/24/2007	*	---	0	0	0	613	0	265	4,696	---	7,473	11,874
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		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**3**	**17,172**	**18,241**	**7,706**	**43,199**	**33,943**	**119,641**	**152,377**
# Days:		**0**	**14**	**9**	**8**	**14**	**14**	**14**	**14**	**7**	**14**	**14**
Average:		**0**	**0**	**0**	**0**	**1,227**	**1,303**	**550**	**3,086**	**4,849**	**8,546**	**10,884**
YTD		**0**	**0**	**0**	**57**	**48,769**	**46,479**	**17,046**	**52,389**	**74,504**	**304,505**	**567,691**

				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)
05/18/2007	*	---	756	9	20	44,110	43,369	17,151	771	---	17,447	15,376
05/19/2007		---	828	22	48	34,411	38,119	27,865	1,164	17,436	15,369	6,711
05/20/2007	*	---	482	11	61	37,676	26,965	16,328	2,196	---	10,748	4,029
05/21/2007		---	470	15	38	30,033	41,285	25,832	3,032	12,701	12,866	3,487
05/22/2007	*	---	254	18	30	27,006	149,922	17,427	1,962	---	11,956	6,011
05/23/2007		---	240	2	26	19,422	14,778	13,027	759	10,643	13,994	5,038
05/24/2007	*	---	64	1	26	14,225	13,294	8,210	485	---	6,539	3,469
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		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**3,805**	**78**	**262**	**274,008**	**430,225**	**151,951**	**12,860**	**57,613**	**155,154**	**73,301**
# Days:		**0**	**14**	**9**	**8**	**14**	**14**	**14**	**14**	**7**	**14**	**14**
Average:		**0**	**272**	**9**	**33**	**19,572**	**30,730**	**10,854**	**919**	**8,230**	**11,082**	**5,236**
YTD		**3,734**	**42,469**	**1,940**	**7,792**	**1,822,756**	**1,736,102**	**727,408**	**15,921**	**356,319**	**908,153**	**221,142**

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)
05/18/2007	*	---	0	0	5	3,114	2,863	625	1,800	---	16,321	3,207
05/19/2007		---	0	0	5	2,028	1,134	795	1,323	74,309	22,200	4,520
05/20/2007	*	---	0	0	2	1,205	1,147	300	1,114	---	28,980	5,949
05/21/2007		---	0	0	4	456	932	358	1,651	61,953	47,364	5,406
05/22/2007	*	---	0	0	8	518	2,575	540	1,234	---	52,187	15,348
05/23/2007		---	0	0	1	0	649	286	1,485	54,641	56,165	17,095
05/24/2007	*	---	0	0	1	272	359	220	725	---	61,091	8,539
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		---	---	---	---	---	---	---	---	---	---	---
Total:		**0**	**0**	**0**	**27**	**8,240**	**11,022**	**3,514**	**11,155**	**325,292**	**523,783**	**115,466**
# Days:		**0**	**14**	**9**	**8**	**14**	**14**	**14**	**14**	**7**	**14**	**14**
Average:		**0**	**0**	**0**	**3**	**589**	**787**	**251**	**797**	**46,470**	**37,413**	**8,248**
YTD		**27**	**0**	**0**	**413**	**20,324**	**15,631**	**5,269**	**16,043**	**464,951**	**584,831**	**139,620**

* 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: 6/1/07 9:33 AM

05/18/07 TO 06/01/07

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	9,301	56,937	13,015	6,340	206,472	292,065
	Sum of NumberBarged	8,330	54,896	12,978	6,289	197,759	280,252
	Sum of NumberBypassed	0	1,527	0	0	6,568	8,095
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	6	4	0	2	10	22
	Sum of FacilityMorts	24	53	8	9	62	156
	Sum of ResearchMorts	0	3	0	0	0	3
	Sum of TotalProjectMorts	30	60	8	11	72	181
LGS	Sum of NumberCollected	7,663	80,654	12,741	7,702	300,584	409,344
	Sum of NumberBarged	7,617	79,243	12,427	7,533	294,134	400,954
	Sum of NumberBypassed	7	469	1	0	446	923
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	3	3	1	6	13
	Sum of FacilityMorts	7	54	1	8	223	293
	Sum of ResearchMorts	0	2	0	0	0	2
	Sum of TotalProjectMorts	7	59	4	9	229	308
LMN	Sum of NumberCollected	5,050	47,501	5,597	2,546	108,765	169,459
	Sum of NumberBarged	4,472	46,777	5,596	2,522	105,258	164,625
	Sum of NumberBypassed	0	545	0	0	2,334	2,879
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	3	4	0	0	5	12
	Sum of FacilityMorts	21	75	1	9	121	227
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	24	79	1	9	126	239
MCN	Sum of NumberCollected	11,445	270,932	20,124	192,827	34,151	529,479
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	11,437	270,629	20,117	192,474	34,085	528,742
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	28	1	28	6	63
	Sum of FacilityMorts	8	275	6	325	60	674
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	8	303	7	353	66	737
Total Sum of NumberCollected		33,459	456,024	51,477	209,415	649,972	1,400,347
Total Sum of NumberBarged		20,419	180,916	31,001	16,344	597,151	845,831
Total Sum of NumberBypassed		11,444	273,170	20,118	192,474	43,433	540,639
Total Sum of Numbertrucked		0	0	0	0	0	0
Total Sum of SampleMorts		9	39	4	31	27	110
Total Sum of FacilityMorts		60	457	16	351	466	1,350
Total Sum of ResearchMorts		0	5	0	0	0	5
Total Sum of TotalProjectMorts		69	501	20	382	493	1,465

YTD Transportation Summary

Source: Fish Passage Center Updated: 6/1/07 9:33 AM

TO: 06/01/07

		Species					
Site	Data	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum of NumberCollected	11,571	1,575,766	37,075	15,700	1,344,933	2,985,045
	Sum of NumberBarged	9,734	1,122,321	35,600	15,281	1,163,010	2,345,946
	Sum of NumberBypassed	856	451,053	1,432	356	179,415	633,112
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	11	56	0	2	28	97
	Sum of FacilityMorts	29	1,002	14	21	407	1,473
	Sum of ResearchMorts	0	880	0	0	0	880
	Sum of TotalProjectMorts	40	1,938	14	23	435	2,450
LGS	Sum of NumberCollected	9,314	456,970	33,497	10,967	1,226,907	1,737,655
	Sum of NumberBarged	9,045	391,176	32,643	10,363	1,098,802	1,542,029
	Sum of NumberBypassed	223	64,720	541	433	121,827	187,744
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	29	3	2	16	50
	Sum of FacilityMorts	14	157	1	9	487	668
	Sum of ResearchMorts	0	7	0	0	0	7
	Sum of TotalProjectMorts	14	193	4	11	503	725
LMN	Sum of NumberCollected	5,226	278,434	12,982	3,893	566,962	867,497
	Sum of NumberBarged	4,617	269,842	12,959	3,853	555,709	846,980
	Sum of NumberBypassed	27	8,076	21	2	9,761	17,887
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	3	29	0	0	58	90
	Sum of FacilityMorts	25	389	2	23	404	843
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	28	418	2	23	462	933
MCN	Sum of NumberCollected	15,441	1,271,559	44,128	275,563	211,054	1,817,745
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	15,401	1,270,627	44,116	275,084	210,674	1,815,902
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	1	126	2	48	27	204
	Sum of FacilityMorts	39	795	10	431	353	1,628
	Sum of ResearchMorts	0	11	0	0	0	11
	Sum of TotalProjectMorts	40	932	12	479	380	1,843
Total Sum of NumberCollected		41,552	3,582,729	127,682	306,123	3,349,856	7,407,942
Total Sum of NumberBarged		23,396	1,783,339	81,202	29,497	2,817,521	4,734,955
Total Sum of NumberBypassed		16,507	1,794,476	46,110	275,875	521,677	2,654,645
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		15	240	5	52	129	441
Total Sum of FacilityMorts		107	2,343	27	484	1,651	4,612
Total Sum of ResearchMorts		0	898	0	0	0	898
Total Sum of TotalProjectMorts		122	3,481	32	536	1,780	5,951

Cumulative Adult Passage at Mainstem Dams Through: 05/31

		Spring Chinook						Summer Chinook						Fall Chinook					
		2007		2006		10-Yr Avg.		2007		2006		10-Yr Avg.		2007		2006		10-Yr Avg.	
DAM	EndDate	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	05/31	66624	16606	96456	2908	156175	8234	0	0	0	0	0	0	0	0	0	0	0	0
TDA	05/31	50774	14711	60665	2052	105759	5754	0	0	0	0	0	0	0	0	0	0	0	0
JDA	05/31	41066	12910	47573	1898	87136	4462	0	0	0	0	0	0	0	0	0	0	0	0
MCN	05/30	34485	10737	41246	2028	77153	4325	0	0	0	0	0	0	0	0	0	0	0	0
IHR	05/30	24121	6176	20382	585	49456	2513	0	0	0	0	0	0	0	0	0	0	0	0
LMN	05/31	22412	5841	17349	320	45751	2229	0	0	0	0	0	0	0	0	0	0	0	0
LGS	05/30	14627	5042	13579	304	42081	2098	0	0	0	0	0	0	0	0	0	0	0	0
LGR	05/31	13759	6286	13900	429	41299	2191	0	0	0	0	0	0	0	0	0	0	0	0
PRD	05/29	5327	243	6403	24	15518	371	0	0	0	0	0	0	0	0	0	0	0	0
RIS	05/30	4271	1157	6830	246	11715	509	0	0	0	0	0	0	0	0	0	0	0	0
RRH	05/30	1883	502	3493	60	4328	168	0	0	0	0	0	0	0	0	0	0	0	0
WEL	05/30	722	294	1782	21	2242	70	0	0	0	0	0	0	0	0	0	0	0	0
WFA	05/27	16030	163	24928	129	-	-	0	0	0	0	-	-	0	0	0	0	-	-

	Coho						Sockeye			Steelhead			
	2007		2006		10-Yr Avg.				10-Yr			10-Yr	Wild
DAM	Adult	Jack	Adult	Jack	Adult	Jack	2007	2006	Avg.	2007	2006	Avg.	2007
BON	0	0	0	0	0	0	38	9	30	3511	3165	4296	825
TDA	0	0	0	0	0	0	10	1	12	1288	1224	1270	421
JDA	0	0	0	0	0	0	6	0	5	2233	2447	3302	825
MCN	0	0	0	0	0	0	0	0	0	1931	2176	1738	592
IHR	0	0	0	0	0	0	0	0	0	2280	2706	1816	623
LMN	0	0	0	0	0	0	0	0	0	2317	2854	1818	827
LGS	0	0	0	0	0	0	0	0	0	2301	2688	2088	765
LGR	0	0	0	0	0	0	0	0	0	10582	7591	6718	2405
PRD	0	1	0	0	0	0	0	0	12	47	44	10	0
RIS	0	0	0	0	0	0	0	0	1	50	59	34	21
RRH	0	0	0	0	0	0	0	0	0	164	148	117	72
WEL	0	0	0	0	0	0	0	0	0	40	28	23	24
WFA	2	0	0	0	-	-	0	0	-	9686	13337	-	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: 06/01/07

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