



Fish Passage Center Weekly Report #06 - 14

June 9, 2006

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 73% and 124% of average at individual sub-basins over May. Precipitation above The Dalles over May has been 92% of average. Over the entire water year, precipitation has been average or above average at all list locations.

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 2006 May 1-29		Water Year 2006 October 1, 2005 to May 29	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.88	90	19.75	110
SNAKE RIVER Above Ice Harbor	1.41	80	17.16	127
Columbia Above The Dalles	1.70	92	19.99	112
Kootenai	2.06	99	21.07	114
Clark Fork	1.39	73	14.63	120
Flathead	1.88	82	18.98	118
Pend Oreille/Spokane	2.35	96	27.86	112
Central Washington	0.90	124	9.69	133
SNAKE RIVER Plain	1.03	75	10.79	126
Salmon/Boise/ Payette	1.26	75	21.99	137
Clearwater	2.81	99	26.64	111
SW Washington Cascades/Cowlitz	3.36	95	63.79	102
Willamette Valley	3.12	95	58.81	110

Table 2 displays the April Final, May Final, and June Final, runoff volume forecasts for multiple reservoirs. The June Final forecast at The Dalles between January and July is 111000 Kaf (103% of average).

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

Location	April Final		May Final		June Final	
	% Average (1971- 2000)	Probable Runoff Volume (Kaf)	% Average (1971- 2000)	Probable Runoff Volume (Kaf)	% Average (1971- 2000)	Probable Runoff Volume (Kaf)
The Dalles (Jan-July)	100	107000	103	110000	103	111000
Grand Coulee (Jan- July)	96	60600	98	61900	101	63300
Libby Res. Inflow, MT (Jan-July)	96	6030	98	6160	101	6360
Hungry Horse Res. Inflow, MT (Jan-July)	99	2210	101	2250	106	2360
Lower Granite Res. Inflow (Apr- July)	118	25500	126	27100	124	26700
Brownlee Res. Inflow (Apr-July)	133	8380	143	9020	141	8910
Dwoshak Res. Inflow (Apr-July)	96	2540	101	2670	106	2800

Snowpack within the Columbia Basin is diminishing. Snowpack in the Columbia River for basins above the Snake River confluence is 70% of average, for Snake River Basins the average snowpack is 35% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack is 64% of average.

Grand Coulee Reservoir is at 1278.3 feet (6-8-06) and has refilled 3.7 feet over the last week. Inflow has ranged from 196.3 to 210.0 Kcfs, while outflow has ranged 159.3 to 184.5 Kcfs.

The Libby Reservoir is currently at elevation 2455.7 feet (6-8-06) and refilled 5.1 feet last week. Outflows had been approximately 24.6 Kcfs for sturgeon flow operations but increased to 26.3 Kcfs on 6-8-06 with 2.2 Kcfs of spill. Inflow over the last week ranged from 33.6 to 43.8 Kcfs.

Hungry Horse is currently at an elevation of 3552.2 feet (6-8-06) and refilled 5.8 feet last week; outflows at Hungry Horse have increased from 4.0 to 6.7 Kcfs over the last week. Inflows ranged between 11.8 and 18.7 Kcfs over the same period.

Dworshak is currently at an elevation of 1589.1 feet (6-8-06) and refilled 5.4 feet last week; outflows at Dworshak have increased from 5.4 to 9.6 Kcfs over the last week. Inflows ranged between 14.1 and 16.9 Kcfs over the same period.

The Brownlee Reservoir was at an elevation of 2076.4 feet on June 8th, 2006 (refilled 1.1 feet last week). Outflows at Hells Canyon have ranged between 24.6 and 31 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 will be 100 Kcfs at Lower Granite, 260 Kcfs at McNary, and 135 Kcfs at Priest Rapids. Flows at Lower Granite have averaged 130.1 Kcfs over the season and were 118.5 Kcfs last week; flows at McNary have averaged 331.4 Kcfs over the season and were 340.2 Kcfs last week; and flows at Priest Rapids have averaged 183.4 Kcfs over the season and were 224.4 Kcfs last week.

Spill: No spill occurred at Dworshak Dam over the past week. Spill operations for fish passage at the Lower Snake River projects began on April 3, 2006 in accordance with the December 29, 2005 District Court Order and Opinion. Spill at Lower Granite, Little Goose, Lower Monumental and Ice Harbor dams averaged 33%, 27%, 23% and 56% of average daily flow over the past week, respectively. Spill at Lower Granite Dam exceeded the Court Order because of the limited hydraulic capacity at that project. At Little Goose Dam, the COE has set a spill cap of 21 Kcfs, which is less than the 30% Court Order, based on the TDG in the Lower Monumental Dam forebay. However, while spill is limited during the daytime hours, spill increases substantially during nighttime hours due to lack of market, or overgeneration spill. This same operation is being implemented at Lower Monumental Dam, with spill limited whenever possible but increased overnight for passage of overgeneration spill. Spill at Ice Harbor Dam is exceeding the Court Order.

Spill for fish passage began on April 10 at Lower Columbia River projects. Continued high flows have occurred in the lower Columbia over the past week and uncontrolled spill levels were observed. Spill at McNary, John Day, The Dalles and Bonneville dams was 54%, 40%, 41% and 36% of average daily flow, respectively. McNary Dam has been exceeding the requirements of the Court's Order. John Day Dam is being operated with a limited hydraulic capacity and spill is being provided at a more flat spill over 24 hours that has varied between 32% and 45% of daily average. Spill at The Dalles Dam is being limited during daytime hours to about 30% of instantaneous flow, but exceeds 70% of instantaneous flow during nighttime hours. Spill at Bonneville Dam has exceeded the Court Order over the past week.

High flows have resulted in total dissolved gas levels that have exceeded the TDG waiver limits at most forebay locations over the past week. Sampled fish are showing signs of GBT at some projects, but action criteria are not being exceeded. Most fish affected have been showing minor (Rank 1 and Rank 2) signs of GBT at the projects sampled.

Smolt Monitoring: The numbers of spring migrants in the collection at all SMP sites decreased over the past week, while subyearling Chinook indices increased at all sites except McNary Dam.

At Lower Granite Dam, subyearling Chinook indices averaged roughly 31,000 per day over the past week compared to 16,000 per day the previous week, while at Little Goose and Lower Monumental subyearling average indices were up to 30,000 and 11,000 respectively.

At Rock Island Dam indices for subyearlings averaged 130 per day this week compared to 50 per day last week. By contrast, at McNary Dam, subyearling indices were down, averaging 26,000 this week compared to 49,000 over the previous week. At John Day and Bonneville dams, subyearling indices were up, with the index at John Day averaging 15,000 per day this week compared to 10,000 last week, and the Bonneville index averaging nearly 11,000 this week compared to just over 4,000 last week.

Adult Fish Passage -At Bonneville Dam, traditional counting of adult summer Chinook began on June 1st. The weekly count averaged 1,255 fish/day through the week ending June 7th with the total at 8,202 through June 7th. This total is about 92% and 106% of the respective 2005 and 10-year average. The peak daily count was 1,435 on June 6th, with the low count of 952 on June 2nd. The adult summer Chinook count total at The Dalles Dam was 3,924. Above McNary Dam, the split of adult Chinook into the Snake River was near 21,062 (Ice Harbor count) with 7,689 into the upper Mid-Columbia (Priest Rapids count).

At Bonneville Dam, the average daily steelhead count for the week was 102 per day. Adult sockeye salmon continue passing Bonneville with the count through June 7 at 303, about 66% and 43% of the respective 2005 and 10-year average count.

Approximately 1.2 million adult Shad have been counted at Bonneville Dam this season with daily counts between 31,000 and 245,000 for the week.

Hatchery Releases: In the Snake River basin a release of 500,000 subyearling Chinook began June 8 from the Nez Perce Tribal Hatchery. The release is scheduled to be completed June 15. Another release of 550,000 subyearlings, from the NPT Hatchery, is scheduled for next week. The only other ongoing release is a volitional release of 3.5 million subyearling Chinook out of Ringold NFH in the Mid- Columbia, which began May 25 and is due to be completed by June 9. In the next few weeks Priest Rapids Hatchery is scheduled to release roughly 5.6 million subyearlings also.

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
05/26/06	180.1	0.0	187.8	15.7	216.1	72.8	209.7	35.7	218.7	43.0	250.0	116.6	231.6	69.0
05/27/06	212.2	7.3	205.7	29.2	229.6	93.1	224.0	44.8	227.1	42.2	260.9	133.4	241.3	83.1
05/28/06	224.4	17.1	223.6	35.3	250.3	119.1	251.1	67.5	248.8	46.6	295.5	176.2	280.2	121.6
05/29/06	220.1	17.1	224.0	36.4	246.9	115.1	244.7	66.2	243.0	45.8	287.4	165.8	266.0	109.6
05/30/06	191.3	10.4	205.9	25.7	241.4	105.0	242.8	64.1	239.6	48.1	280.7	150.6	265.6	103.7
05/31/06	154.8	0.2	155.8	0.0	174.7	29.8	177.4	35.6	183.5	30.5	205.9	66.3	196.9	27.4
06/01/06	161.0	0.1	155.1	4.8	174.3	44.9	179.5	37.8	180.9	32.8	195.5	62.2	183.9	14.5
06/02/06	159.3	0.1	169.6	0.0	193.1	59.8	192.4	27.2	200.3	36.5	224.2	96.3	211.8	49.9
06/03/06	184.3	5.1	179.7	6.9	208.5	72.0	204.9	32.3	214.0	37.0	246.8	128.4	232.3	77.2
06/04/06	158.9	6.3	164.2	7.7	191.4	67.0	187.3	30.2	199.4	33.9	229.5	119.5	215.5	63.6
06/05/06	164.1	5.2	165.6	6.3	192.9	60.3	189.9	37.8	200.7	41.1	244.3	132.3	226.4	76.6
06/06/06	184.5	5.9	185.1	11.7	212.6	63.9	211.8	41.8	218.2	40.8	249.0	129.0	232.0	92.3
06/07/06	179.3	5.6	179.0	7.2	210.2	73.6	206.9	43.3	218.3	46.5	251.3	128.2	233.7	90.7
06/08/06	169.2	5.2	170.6	6.4	196.0	49.5	195.8	39.4	204.7	47.8	231.7	108.6	218.9	67.5

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

Date	Dworshak		Hells Brownlee Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
05/26/06	9.4	0.0	41.7	43.5	157.2	71.5	156.2	43.8	158.5	44.3	162.5	71.5
05/27/06	4.4	0.0	40.1	37.5	141.5	59.6	139.0	42.5	142.0	43.2	145.3	64.7
05/28/06	4.4	0.0	38.2	37.4	129.0	54.4	124.9	54.4	128.5	33.7	129.8	39.1
05/29/06	4.3	0.0	36.6	36.1	124.1	44.4	120.8	42.8	124.1	31.5	124.4	37.9
05/30/06	6.7	0.0	35.5	35.4	116.0	41.2	113.1	40.1	116.3	36.8	118.4	49.3
05/31/06	7.5	0.0	35.3	31.4	104.1	20.6	102.7	25.8	104.6	19.6	106.4	47.7
06/01/06	7.5	0.0	30.7	31.4	98.4	22.0	96.2	25.0	98.9	19.9	99.7	56.3
06/02/06	7.3	0.0	28.7	27.4	99.4	20.2	98.0	22.8	100.6	19.7	101.8	39.4
06/03/06	5.4	0.0	27.1	26.6	100.8	23.9	95.5	20.2	98.7	19.9	99.5	41.8
06/04/06	5.4	0.0	27.7	24.6	114.2	36.3	111.6	23.5	113.0	19.5	112.2	71.2
06/05/06	6.8	0.0	27.8	28.9	115.5	43.9	115.1	26.4	116.2	22.0	120.5	68.5
06/06/06	9.0	0.0	27.1	28.0	118.7	44.3	115.0	41.8	115.7	38.4	117.7	81.1
06/07/06	9.6	0.0	26.2	30.1	117.2	47.4	116.7	39.2	116.9	40.1	119.4	81.7
06/08/06	9.6	0.0	---	---	123.6	48.0	122.5	34.8	122.8	21.9	125.8	70.0

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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
05/26/06	378.1	201.1	369.4	147.1	362.6	124.2	373.0	149.4	83.1	128.8
05/27/06	399.3	225.4	384.9	190.8	391.2	212.3	391.5	163.3	84.9	131.8
05/28/06	393.0	219.5	379.4	158.9	386.5	216.8	386.6	160.8	84.4	129.8
05/29/06	393.8	219.8	398.1	170.8	383.7	191.2	393.0	170.0	84.9	126.6
05/30/06	389.6	219.7	387.6	175.2	384.9	189.3	402.9	179.0	83.8	128.5
05/31/06	340.5	172.5	348.2	143.9	351.3	131.4	366.1	142.8	83.4	128.4
06/01/06	334.9	171.4	326.0	131.8	322.0	101.1	335.6	127.0	78.5	118.6
06/02/06	301.4	150.3	302.2	95.5	307.1	100.1	324.1	102.8	81.3	128.6
06/03/06	330.1	180.5	319.4	119.4	304.3	121.4	323.3	102.6	81.4	127.9
06/04/06	338.2	187.8	325.8	120.8	315.6	118.9	335.0	109.5	84.6	128.9
06/05/06	331.1	171.6	325.4	121.5	312.7	137.2	336.6	121.5	77.6	126.0
06/06/06	354.9	194.4	352.4	158.4	335.4	151.1	352.7	134.8	78.4	128.1
06/07/06	363.3	202.9	350.4	165.7	345.0	155.5	363.7	149.5	76.0	126.8
06/08/06	362.7	187.5	352.3	160.2	343.1	149.6	355.7	144.7	73.5	126.0

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: **5/26/2006** to **06/08/06**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
National Marine Fisheries Service	Lyons Ferry Hatchery	CH0	FA	2006	230,000	05-15-06	06-02-06	Cpt John Acclim Pond	Snake River
National Marine Fisheries Service Total					230,000				
Nez Perce Tribe	Lyons Ferry Hatchery	CH0	FA	2006	500,000	05-26-06	05-29-06	Cpt John Acclim Pond	Snake River
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2006	500,000	06-08-06	06-15-06	Nez Perce Tribal Hatchery	Clearwater River M F
Nez Perce Tribe Total					1,000,000				
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2006	200,000	06-01-06	06-01-06	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2006	350,000	05-30-06	05-30-06	Cpt John Acclim Pond	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2006	400,000	05-24-06	06-01-06	Grande Ronde River	Grande Ronde River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	CH0	FA	2006	3,450,000	05-25-06	06-09-06	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife Total					4,400,000				
Grand Total					5,630,000				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From:	6/9/2006		to		6/22/2006				
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
National Marine Fisheries Service	Lyons Ferry Hatchery	CH0	FA	2006	100,000	06-19-06	07-09-06	Big Canyon (Clearwater River)	Clearwater River M F
National Marine Fisheries Service Total					100,000				
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2006	25,000	06-13-06	06-13-06	Clearwater River	Snake River
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2006	25,000	06-13-06	06-13-06	Clearwater River	Snake River
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2006	500,000	06-08-06	06-15-06	Nez Perce Tribal Hatchery	Clearwater River M F
Nez Perce Tribe Total					550,000				
Washington Dept. of Fish and Wildlife	Priest Rapids Hatchery	CH0	FA	2006	1,299,000	06-18-06	06-19-06	Priest Rapids Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Priest Rapids Hatchery	CH0	FA	2006	1,299,000	06-20-06	06-21-06	Priest Rapids Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Priest Rapids Hatchery	CH0	FA	2006	1,299,000	06-22-06	06-23-06	Priest Rapids Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Priest Rapids Hatchery	CH0	FA	2006	1,699,000	06-16-06	06-17-06	Priest Rapids Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	CH0	FA	2006	3,450,000	05-25-06	06-09-06	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife Total					9,046,000				
Grand Total					9,696,000				

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											
	05/30/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	06/06/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Little Goose Dam											
	05/30/06	Chinook + Steelhead	100	17	17	17.00%	0.00%	17	0	0	0
	06/06/06	Chinook + Steelhead	100	13	12	12.00%	0.00%	11	1	0	0
Lower Monumental Dam											
	06/05/06	Chinook + Steelhead	76	7	7	9.21%	0.00%	7	0	0	0
McNary Dam											
	06/01/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	06/05/06	Chinook + Steelhead	56	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	05/30/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	06/03/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	06/06/06	Chinook + Steelhead	100	10	10	10.00%	0.00%	9	1	0	0
Rock Island Dam											
	06/01/06	Chinook + Steelhead	100	9	9	9.00%	0.00%	9	0	0	0
	06/05/06	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
	06/08/06	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	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 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>24 h</u>	<u>12 h</u>	<u>#</u>		
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
5/26	101	101	101	24	131	131	131	24	117	117	117	24	114	115	115	24	113	113	114	23
5/27	100	101	101	24	131	131	132	24	117	117	118	24	115	115	116	24	113	113	113	24
5/28	100	100	100	24	130	131	131	24	117	117	117	24	115	115	116	24	113	113	113	24
5/29	99	99	100	24	130	130	130	24	117	117	117	24	115	115	115	24	113	113	114	24
5/30	99	99	99	24	129	130	130	24	117	117	118	24	114	115	115	24	113	114	114	24
5/31	102	103	103	24	127	128	131	24	117	118	119	24	114	115	116	24	114	114	115	24
6/1	106	107	107	24	127	128	129	24	118	118	119	24	115	116	117	24	114	115	115	24
6/2	107	107	108	24	126	127	128	24	118	119	120	24	114	115	116	24	114	114	115	24
6/3	106	106	107	24	126	127	127	24	118	118	118	24	115	116	117	24	114	114	115	24
6/4	106	107	107	24	126	126	126	24	119	119	119	23	115	116	116	24	115	115	115	24
6/5	106	107	107	24	126	126	127	24	119	119	120	24	114	115	117	24	115	115	115	24
6/6	106	107	107	24	126	126	127	24	118	119	119	24	114	115	116	24	115	116	116	24
6/7	107	107	108	24	126	126	127	24	119	119	120	24	114	115	117	24	116	116	117	24
6/8	107	107	107	24	126	126	126	24	119	120	120	24	114	116	118	24	116	116	117	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>24 h</u>	<u>12 h</u>	<u>#</u>		
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
5/26	123	127	130	24	112	112	113	24	122	126	129	24	114	115	121	24	116	118	122	24
5/27	127	129	133	24	113	113	114	22	126	129	130	22	120	122	123	24	122	123	125	24
5/28	128	129	129	24	114	114	114	24	130	130	130	24	124	127	127	24	125	127	128	24
5/29	129	129	134	24	114	114	114	24	129	130	130	24	127	127	128	24	127	127	127	24
5/30	124	128	131	23	114	115	115	24	128	131	133	24	128	128	130	24	127	128	128	24
5/31	113	114	116	23	113	114	115	24	118	120	129	24	128	130	130	24	127	129	130	24
6/1	115	117	119	24	112	112	112	24	120	125	129	24	119	121	124	24	120	122	124	24
6/2	114	114	114	24	112	112	112	24	121	123	126	24	118	119	122	24	119	121	123	24
6/3	118	122	128	24	111	112	114	24	121	123	125	24	119	120	122	24	120	122	123	24
6/4	119	124	129	24	112	113	113	24	121	124	126	24	121	121	122	24	121	122	123	24
6/5	118	122	129	24	112	113	113	24	121	126	130	24	120	122	123	24	121	122	123	24
6/6	120	125	128	24	112	113	115	16	121	122	128	16	121	123	125	24	122	124	125	24
6/7	119	123	129	24	115	116	117	24	124	125	126	24	121	122	123	24	122	123	124	24
6/8	119	124	130	24	114	115	116	23	120	121	123	23	122	123	123	24	123	123	124	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>24 h</u>	<u>12 h</u>	<u>#</u>		
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
5/26	114	115	116	24	118	119	120	24	114	114	115	23	123	127	128	23	120	124	127	23
5/27	120	121	123	24	122	123	125	24	115	115	116	23	128	129	130	23	125	126	127	23
5/28	122	123	124	24	124	125	126	24	116	117	118	23	131	132	134	23	128	130	132	23
5/29	125	126	127	24	126	127	127	24	118	120	121	23	130	130	131	23	127	129	130	23
5/30	126	127	127	24	127	128	128	24	122	124	125	23	130	131	137	23	129	131	132	23
5/31	126	127	128	24	127	127	128	24	125	127	129	23	124	125	130	23	128	131	133	23
6/1	120	122	123	24	122	123	124	24	126	126	127	23	124	125	128	23	122	123	124	23
6/2	117	117	118	24	120	121	121	24	124	125	125	23	126	129	131	23	124	126	129	23
6/3	119	120	120	24	121	122	123	24	119	119	120	23	128	129	130	23	125	127	128	23
6/4	119	120	121	24	122	123	123	24	119	119	120	23	127	130	135	23	128	129	132	23
6/5	120	121	121	24	123	123	124	24	120	121	125	23	129	132	137	23	127	130	133	23
6/6	120	122	123	24	123	124	125	24	121	123	124	23	128	130	130	23	126	127	129	23
6/7	120	121	122	24	123	123	124	24	---	---	---	0	---	---	---	0	---	---	---	0
6/8	120	120	121	24	123	124	124	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>	#					
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg			Avg	High		
5/26	120	122	124	23	110	111	112	24	103	103	104	24	103	103	103	24	108	108	109	24
5/27	123	124	124	23	114	115	115	24	102	103	103	24	102	102	103	24	107	107	108	24
5/28	125	126	127	23	115	115	116	24	102	102	102	24	101	101	102	24	106	107	107	24
5/29	125	126	126	23	116	118	118	24	101	102	102	24	102	102	103	24	106	107	107	24
5/30	126	127	128	23	117	119	119	24	101	102	102	24	102	103	103	24	106	107	108	24
5/31	126	127	127	23	119	120	121	24	102	102	103	24	102	103	104	24	106	106	107	24
6/1	121	122	122	23	118	119	120	24	102	103	103	24	102	102	103	24	105	105	106	24
6/2	123	124	126	23	114	114	115	9	102	103	103	24	101	102	102	24	104	104	105	24
6/3	124	125	126	23	115	116	117	24	102	103	103	24	102	103	103	24	104	105	105	24
6/4	125	126	127	23	116	117	117	24	103	103	103	24	102	102	103	24	105	105	106	24
6/5	124	126	128	23	117	118	119	24	102	103	103	24	102	103	104	24	105	106	107	24
6/6	124	125	126	23	118	120	120	24	103	103	103	24	102	103	104	24	105	106	107	24
6/7	---	---	---	0	118	119	120	24	103	103	103	24	102	103	103	24	105	105	106	24
6/8	---	---	---	0	116	117	117	24	102	102	102	24	101	102	102	24	105	105	105	24

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite Tlwr</u>			<u>Little Goose</u>			<u>L. Goose Tlwr</u>			#				
	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#					
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg			Avg	High		
5/26	102	103	103	24	107	107	108	24	125	126	128	24	121	121	122	24	119	119	121	24
5/27	101	102	102	24	106	106	107	24	122	123	126	24	118	118	119	24	120	121	125	24
5/28	101	101	102	24	105	105	106	24	120	123	124	24	116	117	117	24	120	123	125	24
5/29	101	102	103	24	103	104	104	24	118	120	124	24	113	114	114	24	118	120	124	24
5/30	102	103	104	24	104	104	105	24	117	119	123	24	113	113	116	24	119	123	139	24
5/31	102	103	105	24	105	106	106	24	110	111	114	24	115	115	116	24	115	115	116	24
6/1	102	102	103	24	106	107	107	24	111	112	115	24	116	116	117	24	116	116	118	24
6/2	101	102	103	24	105	106	106	24	110	111	111	24	112	113	114	24	114	115	115	24
6/3	101	102	103	24	104	104	104	24	112	113	117	24	109	110	111	24	114	114	114	24
6/4	102	102	102	24	104	104	104	24	116	117	117	24	110	110	110	24	113	114	114	24
6/5	102	103	104	24	104	104	104	24	118	119	122	24	109	109	110	24	113	115	115	24
6/6	102	103	104	24	104	105	105	24	118	120	123	24	112	113	115	24	119	123	135	24
6/7	102	102	103	24	105	106	106	24	119	120	123	24	115	116	117	24	118	120	125	24
6/8	101	102	103	24	104	105	105	24	119	120	123	24	114	115	117	24	116	117	124	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>	#					
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg			Avg	High		
5/26	122	122	124	24	119	120	121	24	120	120	121	24	120	121	121	24	---	---	---	0
5/27	120	120	121	24	119	121	124	24	117	118	119	24	118	120	122	24	---	---	---	0
5/28	120	121	123	24	118	119	122	24	116	117	117	24	118	118	118	24	---	---	---	0
5/29	119	120	120	24	119	120	122	24	114	115	115	24	117	117	118	24	---	---	---	0
5/30	118	120	121	24	120	121	123	24	115	116	117	24	117	118	121	24	---	---	---	0
5/31	119	121	123	24	120	121	122	24	119	119	120	24	117	118	119	24	---	---	---	0
6/1	118	118	120	24	119	120	120	24	118	118	119	24	117	117	118	24	---	---	---	0
6/2	116	116	117	24	119	120	122	24	118	118	118	24	116	117	117	24	---	---	---	0
6/3	115	115	115	24	120	120	121	24	115	116	116	24	116	117	117	24	---	---	---	0
6/4	114	114	114	24	118	119	119	24	116	116	116	24	117	118	118	24	---	---	---	0
6/5	112	112	113	24	117	118	119	24	114	114	114	24	118	119	121	24	---	---	---	0
6/6	113	113	114	24	118	120	121	24	114	114	115	24	119	120	121	24	---	---	---	0
6/7	119	120	122	24	121	121	122	24	116	116	117	24	120	121	123	24	---	---	---	0
6/8	118	119	120	24	119	121	121	24	116	117	117	24	119	120	121	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				
5/26	112	113	113	24	120	121	122	24	114	114	114	24	120	121	121	24	114	115	115	24
5/27	110	110	111	24	122	122	122	24	112	113	113	24	122	123	124	24	114	115	117	24
5/28	111	112	113	24	121	122	122	24	110	110	111	24	121	122	123	24	114	116	117	24
5/29	111	112	113	24	122	122	122	24	109	110	110	24	121	122	122	24	113	114	115	24
5/30	114	116	117	24	122	122	123	24	110	111	112	24	122	122	123	24	115	116	117	24
5/31	117	118	119	24	119	120	120	24	112	113	114	24	120	120	121	24	116	116	117	24
6/1	118	119	119	24	119	120	121	24	115	116	117	24	119	120	120	24	115	115	116	24
6/2	117	118	118	23	119	119	119	24	117	118	118	24	118	119	120	24	116	116	116	24
6/3	115	115	115	22	119	120	120	24	117	117	118	24	118	119	119	24	115	117	117	24
6/4	115	115	116	24	119	120	120	24	117	117	118	24	118	118	118	24	116	116	117	24
6/5	115	116	116	24	119	119	119	24	115	115	116	24	118	118	119	24	115	116	116	24
6/6	117	118	119	24	120	121	121	24	115	115	116	24	120	121	122	24	116	117	119	24
6/7	118	119	120	24	121	122	122	24	114	115	115	24	120	121	123	24	115	116	119	24
6/8	116	116	118	24	121	121	123	24	113	113	114	24	120	120	121	24	112	113	113	24

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>				<u>Bonneville</u>			<u>Warrendale</u>			<u>Camas\Washougal</u>				<u>Cascade Island</u>					
	<u>24 h</u>	<u>12 h</u>	<u>#</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	Avg	AVG	High	hr
5/26	117	118	118	24	116	117	118	24	119	119	120	23	118	118	118	24	122	122	122	17
5/27	119	119	120	24	113	113	114	24	117	117	118	23	115	116	117	24	122	122	122	17
5/28	120	121	121	24	114	115	116	24	117	117	118	23	114	115	115	24	122	122	122	17
5/29	119	119	119	24	116	117	117	24	119	119	120	23	117	119	119	24	123	123	123	17
5/30	120	120	121	24	118	119	120	24	121	121	122	23	119	120	120	24	123	123	124	17
5/31	120	120	122	24	119	120	121	24	120	121	122	23	120	120	121	24	123	123	125	13
6/1	118	118	118	24	118	119	120	24	119	120	121	23	118	119	119	24	122	122	124	17
6/2	118	118	119	24	116	116	116	24	116	116	117	23	116	117	118	24	120	120	121	17
6/3	119	119	121	24	116	117	117	24	116	117	117	23	115	116	116	24	120	120	121	17
6/4	118	119	121	24	118	119	120	24	118	118	119	23	116	116	117	24	119	119	120	17
6/5	119	120	121	24	117	117	118	24	118	118	118	23	117	117	118	24	121	122	124	17
6/6	119	120	121	24	116	118	119	24	118	119	120	23	117	118	119	24	121	121	123	17
6/7	119	120	121	24	115	115	117	24	118	118	119	23	116	117	118	24	124	124	125	17
6/8	117	118	120	24	113	113	114	24	117	117	118	23	114	114	115	24	124	124	124	17

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)	(INDEX)
05/26/2006	*	---	11	34	---	3,449	7,973	8,181	31	---	24,000	19,071
05/27/2006		---	5	---	---	5,551	8,789	4,051	99	18,701	23,164	15,025
05/28/2006	*	---	18	---	---	3,761	12,775	2,945	96	---	22,609	10,507
05/29/2006	*	---	10	---	---	4,783	5,805	2,816	31	8,203	18,486	8,034
05/30/2006	*	---	12	---	---	5,311	20,015	2,966	17	---	18,067	7,291
05/31/2006	*	---	36	---	---	1,847	5,935	1,048	361	9,761	7,015	6,655
06/01/2006	*	---	10	---	---	4,524	3,290	186	123	---	5,957	3,100
06/02/2006		---	23	---	---	4,049	6,478	375	74	6,625	7,052	2,219
06/03/2006	*	---	1	---	---	3,455	4,275	861	54	---	6,659	2,536
06/04/2006		---	6	---	---	4,440	12,375	1,216	45	4,366	4,161	2,300
06/05/2006	*	---	---	---	---	1,451	11,603	1,481	50	---	3,724	2,001
06/06/2006	*	---	0	---	---	1,840	14,173	360	111	3,627	4,411	4,235
06/07/2006	*	---	0	---	---	1,181	19,125	408	102	---	2,552	2,642
06/08/2006	*	---	---	---	---	823	6,141	1,025	305	1,796	1,896	2,649
06/09/2006		---	---	---	---	---	---	---	---	---	---	---
Total:		0	132	34	0	46,465	138,752	27,919	1,499	53,079	149,753	88,265
# Days:		0	12	1	0	14	14	14	14	7	14	14
Average:		0	11	34	0	3,319	9,911	1,994	107	7,583	10,697	6,305
YTD		30,806	25,137	13,056	19,187	3,679,286	4,151,802	1,431,766	35,114	1,555,754	2,241,641	2,247,289

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)	(INDEX)
05/26/2006	*	---	0	1	---	8,017	18,282	14,074	112	---	7,847	4,996
05/27/2006		---	0	---	---	17,947	18,099	7,953	46	33,885	10,502	2,947
05/28/2006	*	---	0	---	---	10,926	17,945	5,328	38	---	12,468	4,573
05/29/2006	*	---	0	---	---	13,006	28,914	8,021	75	36,849	8,262	3,868
05/30/2006	*	---	0	---	---	22,129	35,654	11,211	35	---	11,418	4,072
05/31/2006	*	---	0	---	---	20,469	26,491	12,761	39	77,271	11,798	5,263
06/01/2006	*	---	0	---	---	21,364	21,690	9,541	21	---	8,824	4,604
06/02/2006		---	0	---	---	25,002	15,652	4,876	36	26,773	11,499	5,103
06/03/2006	*	---	0	---	---	49,005	15,222	9,595	54	---	10,223	4,109
06/04/2006		---	0	---	---	61,599	38,680	8,388	66	27,035	14,239	5,299
06/05/2006	*	---	---	---	---	35,628	33,414	13,617	72	---	20,610	5,489
06/06/2006	*	---	0	---	---	23,596	55,629	11,028	216	30,687	21,481	12,919
06/07/2006	*	---	0	---	---	15,813	33,293	9,760	163	---	13,793	20,368
06/08/2006	*	---	---	---	---	10,128	19,152	21,767	316	20,768	13,793	21,521
06/09/2006		---	---	---	---	---	---	---	---	---	---	---
Total:		0	0	1	0	334,629	378,117	147,920	1,289	253,268	176,757	105,131
# Days:		0	12	1	0	14	14	14	14	7	14	14
Average:		0	0	1	0	23,902	27,008	10,566	92	36,181	12,626	7,509
YTD		3	35	15	287	430,013	533,188	180,809	5,989	382,546	209,832	1,829,206

Two-Week Summary of Passage Indices

		COMBINED COHO										
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)	
05/26/2006	*	---	0	0	---	839	4,746	971	596	---	14,521	7,326
05/27/2006		---	0	---	---	1,203	3,331	1,050	1,718	19,524	16,845	9,320
05/28/2006	*	---	0	---	---	806	4,185	1,122	1,092	---	18,585	9,535
05/29/2006	*	---	0	---	---	1,762	1,823	936	357	13,696	17,559	7,142
05/30/2006	*	---	0	---	---	1,287	1,041	940	199	---	17,125	7,227
05/31/2006	*	---	0	---	---	403	702	740	3,189	7,119	5,907	6,171
06/01/2006	*	---	0	---	---	314	1,074	248	1,497	---	10,188	2,607
06/02/2006		---	0	---	---	900	676	250	825	5,961	8,733	2,241
06/03/2006	*	---	0	---	---	754	1,878	304	979	---	10,628	2,243
06/04/2006		---	0	---	---	416	1,125	122	1,266	2,837	6,586	2,225
06/05/2006	*	---	---	---	---	645	951	307	911	---	4,194	2,821
06/06/2006	*	---	0	---	---	240	893	0	726	1,464	4,819	2,930
06/07/2006	*	---	0	---	---	324	787	363	568	---	2,734	2,284
06/08/2006	*	---	---	---	---	412	1,034	146	511	1,917	1,262	2,520
06/09/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	0	10,305	24,246	7,499	14,434	52,518	139,686	66,592
# Days:		0	12	1	0	14	14	14	14	7	14	14
Average:		0	0	0	0	736	1,732	536	1,031	7,503	9,978	4,757
YTD		0	0	0	46	82,629	128,456	32,574	58,951	98,860	295,331	647,969

		COMBINED STEELHEAD										
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)	
05/26/2006	*	---	32	20	---	15,847	19,843	12,549	292	---	55,679	4,578
05/27/2006		---	7	---	---	22,203	16,129	10,053	610	17,911	67,890	4,182
05/28/2006	*	---	52	---	---	18,539	12,102	6,029	360	---	69,781	7,492
05/29/2006	*	---	51	---	---	12,754	8,404	4,939	224	11,205	40,342	6,844
05/30/2006	*	---	51	---	---	15,611	8,887	4,195	119	---	39,234	4,560
05/31/2006	*	---	71	---	---	8,086	3,125	1,849	354	4,228	33,385	3,267
06/01/2006	*	---	41	---	---	7,917	3,223	1,983	207	---	17,489	2,516
06/02/2006		---	96	---	---	5,270	5,465	1,000	229	2,194	10,783	1,307
06/03/2006	*	---	9	---	---	5,340	3,627	1,114	258	---	8,176	1,622
06/04/2006		---	41	---	---	4,578	5,749	1,033	436	1,524	6,553	1,375
06/05/2006	*	---	---	---	---	3,547	3,170	1,066	324	---	5,821	1,590
06/06/2006	*	---	3	---	---	6,879	2,553	1,081	345	1,098	6,210	986
06/07/2006	*	---	0	---	---	4,200	6,844	1,406	220	---	4,435	991
06/08/2006	*	---	---	---	---	3,458	5,753	3,225	178	980	4,000	901
06/09/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	454	20	0	134,229	104,874	51,522	4,156	39,140	369,778	42,211
# Days:		0	12	1	0	14	14	14	14	7	14	14
Average:		0	38	20	0	9,588	7,491	3,680	297	5,591	26,413	3,015
YTD		1,964	19,894	9,317	3,066	4,461,830	4,346,224	1,255,569	25,256	444,211	1,656,170	266,333

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)	
05/26/2006	*	---	0	0	---	93	2,116	1,456	997	---	17,613	10,073
05/27/2006		---	0	---	---	833	1,529	1,200	907	50,725	17,866	15,404
05/28/2006	*	---	0	---	---	627	1,047	1,683	336	---	28,671	12,842
05/29/2006	*	---	0	---	---	503	955	535	9	53,860	27,425	17,952
05/30/2006	*	---	0	---	---	241	480	289	18	---	25,913	19,021
05/31/2006	*	---	0	---	---	67	200	185	266	17,202	7,753	17,000
06/01/2006	*	---	0	---	---	503	134	248	85	---	8,739	11,140
06/02/2006		---	0	---	---	321	810	375	53	7,318	6,221	4,384
06/03/2006	*	---	0	---	---	251	324	278	66	---	6,162	4,231
06/04/2006		---	0	---	---	277	689	182	76	4,640	3,287	2,350
06/05/2006	*	---	---	---	---	322	697	245	43	---	2,517	2,026
06/06/2006	*	---	0	---	---	160	639	180	24	3,638	2,903	1,465
06/07/2006	*	---	0	---	---	162	316	227	21	---	1,883	1,349
06/08/2006	*	---	---	---	---	82	258	256	45	1,920	684	1,476
06/09/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	0	4,442	10,194	7,339	2,946	139,303	157,637	120,713
# Days:		0	12	1	0	14	14	14	14	7	14	14
Average:		0	0	0	0	317	728	524	210	19,900	11,260	8,622
YTD		13	0	0	678	50,329	89,549	39,135	33,169	490,598	520,497	400,926

* 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:

6/9/06 9:19 AM

		Species					
		05/26/06 TO 06/09/06					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	229,474	30,456	6,550	2,850	83,320	352,650
	Sum of NumberBarged	228,999	30,259	6,540	2,817	79,594	348,209
	Sum of NumberBypassed	47	176	0	0	3,663	3,886
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	33	5	0	2	6	46
	Sum of FacilityMorts	395	16	10	31	54	506
	Sum of ResearchMorts	0	0	0	0	3	3
	Sum of TotalProjectMorts	428	21	10	33	63	555
LGS	Sum of NumberCollected	272,242	97,981	17,031	7,181	72,863	467,298
	Sum of NumberBarged	287,006	99,899	17,772	7,196	75,159	487,032
	Sum of NumberBypassed	18	0	0	0	0	18
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	8	30	0	6	1	45
	Sum of FacilityMorts	1,330	501	59	78	102	2,070
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1,338	531	59	84	103	2,115
LMN	Sum of NumberCollected	112,183	20,393	5,500	5,350	37,437	180,863
	Sum of NumberBarged	112,115	20,297	5,500	5,327	37,228	180,467
	Sum of NumberBypassed	0	61	0	0	163	224
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	6	1	0	2	4	13
	Sum of FacilityMorts	62	34	0	21	42	159
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	68	35	0	23	46	172
MCN	Sum of NumberCollected	113,602	23,722	23,374	61,635	17,371	239,704
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	113,295	23,640	23,363	61,571	17,363	239,232
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	54	16	0	11	0	81
	Sum of FacilityMorts	215	59	9	47	7	337
	Sum of ResearchMorts	38	7	2	6	1	54
	Sum of TotalProjectMorts	307	82	11	64	8	472
Total Sum of NumberCollected		727,501	172,552	52,455	77,016	210,991	1,240,515
Total Sum of NumberBarged		628,120	150,455	29,812	15,340	191,981	1,015,708
Total Sum of NumberBypassed		113,360	23,877	23,363	61,571	21,189	243,360
Total Sum of Numbertrucked		0	0	0	0	0	0
Total Sum of SampleMorts		101	52	0	21	11	185
Total Sum of FacilityMorts		2,002	610	78	177	205	3,072
Total Sum of ResearchMorts		38	7	2	6	4	57
Total Sum of TotalProjectMorts		2,141	669	80	204	220	3,314

YTD Transportation Summary

Source: Fish Passage Center

Updated:

6/9/06 9:19 AM

TO: 06/09/06

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	277,014	2,398,642	48,780	31,640	2,807,353	5,563,429
	Sum of NumberBarged	261,015	1,955,060	44,422	24,861	2,454,992	4,740,350
	Sum of NumberBypassed	15,371	437,073	4,214	6,237	351,033	813,928
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	43	199	2	24	90	358
	Sum of FacilityMorts	585	5,999	140	517	1,181	8,422
	Sum of ResearchMorts	0	311	2	1	57	371
	Sum of TotalProjectMorts	628	6,509	144	542	1,328	9,151
LGS	Sum of NumberCollected	375,033	3,111,639	84,974	61,228	3,209,925	6,842,799
	Sum of NumberBarged	385,553	2,729,994	84,160	51,193	2,618,253	5,869,153
	Sum of NumberBypassed	4,095	376,395	1,524	8,894	591,460	982,368
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	16	124	0	21	13	174
	Sum of FacilityMorts	1,489	5,756	90	1,219	739	9,293
	Sum of ResearchMorts	0	13	0	0	1	14
	Sum of TotalProjectMorts	1,505	5,893	90	1,240	753	9,481
LMN	Sum of NumberCollected	133,063	1,091,129	22,248	27,019	929,297	2,202,756
	Sum of NumberBarged	132,891	1,109,983	22,686	27,553	913,112	2,206,225
	Sum of NumberBypassed	219	34,389	159	576	50,926	86,269
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	7	46	0	6	31	90
	Sum of FacilityMorts	94	916	0	178	601	1,789
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	101	962	0	184	632	1,879
MCN	Sum of NumberCollected	176,961	827,644	46,289	250,002	231,078	1,531,974
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	176,503	826,736	46,272	249,616	230,922	1,530,049
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	88	118	0	28	13	247
	Sum of FacilityMorts	329	753	14	345	137	1,578
	Sum of ResearchMorts	41	37	3	13	6	100
	Sum of TotalProjectMorts	458	908	17	386	156	1,925
Total Sum of NumberCollected		962,071	7,429,054	202,291	369,889	7,177,653	16,140,958
Total Sum of NumberBarged		779,459	5,795,037	151,268	103,607	5,986,357	12,815,728
Total Sum of NumberBypassed		196,188	1,674,593	52,169	265,323	1,224,341	3,412,614
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		154	487	2	79	147	869
Total Sum of FacilityMorts		2,497	13,424	244	2,259	2,658	21,082
Total Sum of ResearchMorts		41	361	5	14	64	485
Total Sum of TotalProjectMorts		2,692	14,272	251	2,352	2,869	22,436

Cumulative Adult Passage at Mainstem Dams Through: 06/08

DAM	EndDate	Spring Chinook						Summer Chinook						Fall Chinook					
		2006		2005		10-Yr Avg.		2006		2005		10-Yr Avg.		2006		2005		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	06/07	96,456	2,908	74,038	4,288	151,682	8,418	8,202	397	8,935	458	7,777	822	0	0	0	0	0	0
TDA	06/07	61,827	2,176	60,956	3,209	104,616	6,110	3,924	193	4,086	202	3,623	348	0	0	0	0	0	0
JDA	06/07	50,313	2,093	55,877	2,715	87,792	4,857	1,277	79	1,409	74	1,399	113	0	0	0	0	0	0
MCN	06/08	44,960	2,475	51,855	3,201	80,814	5,125	0	0	0	0	0	0	0	0	0	0	0	0
IHR	05/31	21,062	620	21,719	842	48,475	2,647	0	0	0	0	0	0	0	0	0	0	0	0
LMN	06/08	21,346	478	23,983	939	48,895	2,747	0	0	0	0	0	0	0	0	0	0	0	0
LGS	06/07	18,294	575	20,499	734	45,274	2,625	0	0	0	0	0	0	0	0	0	0	0	0
LGR	06/07	19,150	752	21,118	984	44,163	2,712	0	0	0	0	0	0	0	0	0	0	0	0
PRD	06/07	7,689	76	11,864	470	15,882	485	0	0	0	0	0	0	0	0	0	0	0	0
RIS	06/07	7,744	345	8,819	410	12,026	623	0	0	0	0	0	0	0	0	0	0	0	0
RRH	06/07	4,305	147	3,141	336	4,326	231	0	0	0	0	0	0	0	0	0	0	0	0
WEL	06/05	2,149	55	1,760	58	2,299	98	0	0	0	0	0	0	0	0	0	0	0	0
WFA	06/02	24,180	125	27,666	939	n/a	n/a	---	---	---	---	---	---	0	0	0	0	n/a	n/a

DAM	Coho						Sockeye			Steelhead			
	2006		2005		10-Yr Avg.		10-Yr			10-Yr			Wild
	Adult	Jack	Adult	Jack	Adult	Jack	2006	2005	Avg.	2006	2005	Avg.	2006
BON	0	0	10	-1	1	0	303	457	704	3,852	3,561	5635	995
TDA	0	0	-1	-1	0	0	109	179	342	1,370	1,540	1551	420
JDA	0	0	4	-13	0	-1	72	99	232	2,547	1,540	3500	1,033
MCN	0	0	0	0	0	0	21	56	104	2,251	1,500	1811	773
IHR	0	0	0	0	0	0	1	3	0	2,639	1,329	1627	900
LMN	0	0	0	0	0	0	0	0	0	2,675	1,059	1653	1,029
LGS	0	0	0	0	0	0	0	0	0	2,674	1,072	1941	895
LGR	0	0	0	0	0	0	0	0	0	7,648	4,923	6259	2,336
PRD	0	0	0	0	0	0	0	26	18	49	20	10	0
RIS	0	0	2	0	0	0	0	27	1	61	66	35	40
RRH	0	0	0	0	0	0	0	2	0	151	355	106	133
WEL	0	0	0	0	0	0	0	1	0	33	66	22	23
WFA	0	0	0	0	n/a	n/a	0	0	n/a	19,642	10,955	n/a	n/a

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: 06/09/06

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

Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
1	0	2,516	238

Run Year counts (June 1, 2005 to May 31, 2006) for Lower Granite:

Steelhead
14