



Fish Passage Center Weekly Report #06 - 18

July 7, 2006

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 80% and 190% of average at individual sub-basins over the first portion of June. Precipitation above The Dalles over the first portion of June has been 132% of average. Over the entire water year, precipitation has been average or above average at all list locations.

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

Location	Water Year 2006 June 1-26		Water Year 2006 October 1, 2005 to June 26	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	2.93	141	22.72	112
SNAKE RIVER Above Ice Harbor	1.30	103	18.51	124
Columbia Above The Dalles	2.05	132	22.07	113
Kootenai	3.11	146	24.25	117
Clark Fork	2.49	149	17.23	123
Flathead	3.95	172	22.90	124
Pend Oreille/Spokane	3.60	190	31.89	118
Central Washington	0.92	165	10.67	136
SNAKE RIVER Plain	0.95	114	11.8	125
Salmon/Boise/ Payette	1.47	115	23.41	134
Clearwater	2.45	113	29.27	111
SW Washington Cascades/Cowlitz	2.04	80	65.77	101
Willamette Valley	1.93	99	60.95	110

Table 2 displays the May Final, June Final, and July Early runoff volume forecasts for multiple reservoirs. The July Early forecast at The Dalles between January and July is 114000 Kaf (106% of average). The forecast at Libby has increased 11% between the June final and July Early forecast.

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

Location	May Final		June Final		July Early	
	% 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)	103	110000	103	111000	106	114000
Gard Coulee (Jan-July)	98	61900	101	63300	106	66500
Libby Res. Inflow, MT (Jan-July)	98	6160	101	6360	112	7080
Hungry Horse Res. Inflow, MT (Jan-July)	101	2250	106	2360	114	2540
Lower Granite Res. Inflow (Apr-July)	126	27100	124	26700	116	25000
Brownlee Res. Inflow (Apr-July)	143	9020	141	8910	137	8680
Dwoshak Res. Inflow (Apr-July)	101	2670	106	2800	105	2770

Grand Coulee Reservoir is at 1288.9 feet (7-6-06) and has refilled about 1.7 feet over the last week. Inflow has ranged from 131 to 149.7 Kcfs, while outflow has ranged between 93.3 and 140.4 Kcfs.

The Libby Reservoir is currently at elevation 2457.3 feet (7-6-06) and held steady last week. Outflows over the last week have ranged between 18.4 Kcfs and 19 Kcfs.

Hungry Horse is currently at an elevation of 3558.0 feet (7-6-06) and has remained fairly steady; outflows at Hungry Horse are approximately 4.3 Kcfs. Inflows ranged between 3.1 and 5.3 Kcfs over the same period.

Dworshak is currently at an elevation of 1597.8 feet (7-6-06) and drafted approximately one foot last week. Outflows at Dworshak were increased to 9.5 Kcfs on June 5th for temperature regulation at Lower Granite Dam.

The Brownlee Reservoir was at an elevation of 2072.2 feet on July 6th, 2006. Outflows at Hells Canyon have ranged between 13.4 and 16.9 Kcfs over the last week.

The Biological Opinion spring flow period has ended. According to the April Final Water Supply Forecast, the flow objectives this spring was 100 Kcfs at Lower Granite, 260 Kcfs at McNary, and 135 Kcfs at Priest Rapids. Over the entire spring season, flows at Lower Granite averaged 125.8 Kcfs; flows at McNary averaged 325.3 Kcfs; and flows at Priest Rapids averaged 191.3 Kcfs.

According to the June Final Water Supply Forecast, the flow objective this summer is 54.5 Kcfs at Lower Granite (began 6-21-06) and 200 Kcfs at McNary (began 7-1-06). From June 21 to July 6 flows have averaged 53.6 Kcfs at Lower Granite, over the first portion of July flows have averaged 45.6 Kcfs at Lower Granite. Between July 1 and July 6, flows at McNary have averaged 192.9 Kcfs.

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. Summer spill began on June 21. Spill at Lower Granite, Little Goose, Lower Monumental and Ice Harbor dams averaged 39%, 31%, 33% and 53% of average daily flow over the past week, respectively. All Snake River sites were meeting the Court ordered summer spill.

Spill for fish passage began on April 10 and continued until June 30 at Lower Columbia River projects. Summer spill was initiated on July 1. Spill at McNary, John Day, The Dalles and Bonneville dams was 46%, 28%, 40% and 40% of average daily flow, respectively. McNary, John Day and The Dalles dams met the objective of the Court Order the past week, while Bonneville did not. Spill at Bonneville Dam was below the Court's Order on most all days last week, while total dissolved gas levels have been below the waiver requirements since June 27. The COE has been very slowly increasing nighttime spill over the past few days; last night being the first night of implementation of the Court's Order.

Total dissolved gas levels have met the TDG waiver requirements over the past week. Sampled fish are showing signs of GBT at some projects. However, all fish affected have been showing minor (Rank 1 or Rank 2) signs of GBT at the projects sampled.

Smolt Monitoring: The numbers of spring migrants (yearling chinook, steelhead, and coho) continued to decline from values observed last week. Relative to last week's average values, subyearling chinook indices were generally stable to increasing this week at all SMP sites, except for Bonneville Dam.

At Lower Granite Dam, subyearling chinook indices averaged roughly 13,000 per day over the past week compared to approximately 10,000 per day the previous week. At Little Goose and Lower Monumental Dams, the subyearling index averaged nearly double last week's values, at 29,000 and 3,200 (respectively) per day this week.

Adult Fish Passage -At Bonneville Dam, daily counts of summer Chinook averaged 1,698 fish for the week ending July 6. The season total is now 79,412 about 130% and 175% of the respective 2005 and 10-year average. The peak daily count was 2,108 on July 1, with the low count of 1,406 on July 4th. The adult summer Chinook count at The Dalles Dam was 64,433, about 81% of the Bonneville passage total to date. About 44,472 of the Summer Chinook have passed McNary Dam with the majority moving upstream into the Mid-Columbia River. Daily counts at Rock Island ranged between 1,255 and 3,259 during the week.

At Bonneville Dam, steelhead counts again increased throughout the week with the average daily count of 651 per day. Through July 6, the steelhead run at Bonneville was 14,401, 74% and 62% of the respective 2005 and 10-year average counts. The daily counts at the Dalles Dam ranged between 102-163 for the week with the cumulative steelhead count through July 6 of 5,494. About 38% of the steelhead counted at Bonneville have passed The Dalles Dam. The majority of the 4,383 steelhead counted at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor now at 3,507 for the season. The cumulative count at Priest Rapids Dam is 164 for the season

Adult sockeye salmon passage at Bonneville Dam averaged 992 per day through the week with the count at Bonneville through July 6 at 33,180, about 53% and 62% of the respective

2005 and 10-year average count. About 8,429 of the adult sockeye have been counted at Priest Rapids Dam. One of the major spawning sites for the sockeye is Lake Wenatchee with the other major site at Lake Osoyoos (Okanogan basin). To date, 26 sockeye have been counted into the Snake River.

Hatchery Releases: Hatchery releases of subyearling chinook continue to wind down throughout the system. A late-season volitional release of 100,000 Lyons Ferry subyearlings to Big Canyon Creek on the Clearwater River is ongoing (scheduled completion July 9th). None of the tagged fish in this release group have appeared in the hydrosystem to date, based on our PIT-tag queries. No other hatchery releases are scheduled for the upcoming two week period.

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

Date	Grand Coulee		Chief Joseph		Wells		Rocky Reach		Rock Island		Wanapum		Priest Rapids	
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
06/23/06	168.0	0.2	166.6	0.0	180.5	21.9	182.4	24.3	185.2	44.3	214.9	80.3	208.3	48.5
06/24/06	163.2	0.2	171.7	0.0	188.2	38.0	182.6	17.6	181.0	33.9	204.5	74.5	183.7	37.7
06/25/06	166.7	0.2	157.5	0.0	173.6	20.3	176.7	17.9	179.9	33.5	206.9	69.7	201.7	45.1
06/26/06	161.9	0.2	161.2	0.0	176.5	11.2	175.7	15.7	180.8	36.3	204.5	63.7	189.9	38.2
06/27/06	166.2	0.2	168.8	0.0	175.6	18.9	172.2	16.7	177.5	34.6	194.2	59.0	183.0	40.3
06/28/06	156.3	0.1	161.7	0.0	173.5	16.5	173.9	16.9	182.1	35.1	199.7	70.2	189.1	46.5
06/29/06	135.1	0.2	134.4	0.0	152.0	10.1	155.9	16.4	164.8	35.3	175.8	37.0	172.7	39.1
06/30/06	148.2	0.2	148.2	0.0	156.1	15.9	151.4	12.6	156.6	31.0	171.1	32.2	165.0	34.1
07/01/06	112.9	0.2	118.4	0.0	132.9	9.8	141.9	12.1	149.9	25.2	161.6	25.3	161.4	36.4
07/02/06	93.3	0.2	96.0	0.0	100.0	7.2	99.2	10.8	106.9	23.7	113.7	3.8	111.2	23.2
07/03/06	104.8	0.2	104.7	0.0	114.5	7.8	121.2	12.5	125.6	29.2	154.8	26.1	155.0	33.1
07/04/06	96.9	0.3	94.3	0.0	97.8	7.7	95.3	10.3	101.7	25.0	90.0	1.9	86.3	17.6
07/05/06	140.4	0.2	136.5	0.0	145.0	9.0	146.1	14.3	151.1	31.2	160.0	24.7	158.5	32.4
07/06/06	138.2	0.2	141.4	0.0	145.5	10.0	143.6	14.1	150.6	32.3	156.3	15.9	149.6	30.4

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

Date	Dworshak		Hells Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
06/23/06	1.7	0.0	16.8	23.7	60.3	18.2	60.3	18.1	59.4	16.9	64.6	44.9
06/24/06	1.7	0.0	15.6	22.5	61.0	18.2	60.7	18.2	59.8	16.7	58.8	21.3
06/25/06	2.2	0.0	15.2	20.0	55.8	18.0	57.4	17.3	57.0	17.0	58.4	17.7
06/26/06	5.3	0.0	15.8	22.5	58.0	18.1	57.1	26.7	59.1	16.7	60.3	44.3
06/27/06	5.8	0.0	14.8	18.7	57.5	18.0	56.1	16.2	55.7	16.0	58.4	37.8
06/28/06	4.1	0.0	14.1	19.5	52.4	18.1	52.8	15.6	51.5	14.9	52.9	17.8
06/29/06	7.5	0.0	12.7	15.2	55.3	18.0	55.3	15.7	55.8	14.9	56.2	18.8
06/30/06	6.8	0.0	14.2	13.4	52.2	18.2	52.1	15.8	52.3	14.3	50.5	17.6
07/01/06	4.3	0.0	14.0	13.6	46.7	18.1	44.1	13.2	41.5	14.3	40.8	15.1
07/02/06	4.3	0.0	14.6	15.8	45.1	17.9	44.3	13.2	45.8	14.8	47.6	31.8
07/03/06	4.3	0.0	15.3	16.3	45.9	18.2	45.6	13.6	47.0	15.2	47.4	36.8
07/04/06	5.9	0.0	15.1	15.7	43.6	17.8	42.4	12.8	42.6	15.3	43.0	20.1
07/05/06	8.4	0.0	16.1	15.8	46.0	18.1	47.5	15.6	47.8	16.8	50.1	16.6
07/06/06	9.5	0.0	---	---	46.5	18.2	47.0	14.5	44.4	16.0	45.1	32.7

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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
06/23/06	303.7	128.1	294.3	105.6	286.6	115.2	295.8	101.5	57.3	125.5
06/24/06	279.4	148.6	277.7	104.5	267.6	107.1	290.7	101.6	57.8	119.7
06/25/06	247.6	136.4	213.7	62.3	208.0	83.1	230.8	89.2	16.0	114.1
06/26/06	263.5	116.1	254.7	85.0	254.0	94.6	258.2	74.8	50.2	121.7
06/27/06	258.4	103.4	259.9	97.7	245.7	90.7	260.0	66.8	60.8	120.8
06/28/06	249.0	105.8	221.8	52.8	213.5	81.9	233.1	63.8	43.6	114.2
06/29/06	268.8	115.0	257.7	59.9	255.1	93.5	267.8	68.1	61.2	127.0
06/30/06	227.0	100.0	217.0	40.6	208.7	83.4	232.1	74.3	33.7	112.6
07/01/06	204.5	81.8	187.3	55.8	181.7	72.8	196.3	74.7	5.2	104.8
07/02/06	191.4	103.9	183.1	55.4	183.6	73.5	195.7	74.0	2.9	107.3
07/03/06	196.0	110.9	181.5	54.5	178.9	70.1	189.2	74.4	0.0	103.2
07/04/06	181.1	79.4	179.3	54.2	171.4	67.9	187.6	75.4	0.0	100.8
07/05/06	182.9	73.7	160.9	47.9	157.8	62.7	162.6	77.5	1.5	72.1
07/06/06	201.3	80.2	178.0	54.1	169.0	67.2	186.2	82.6	0.0	92.1

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary
From: 6/23/2006 to 07/06/06

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
National Marine Fisheries Service	Lyons Ferry Hatchery	CHO	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				
Washington Dept. of Fish and Wildlife	Priest Rapids Hatchery	CHO	FA	2006	1,299,000	06-24-06	06-25-06	Priest Rapids Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife Total					1,299,000				
Grand Total					1,399,000				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary
From: 7/7/2006 to 7/20/2006

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
National Marine Fisheries Service	Lyons Ferry Hatchery	CHO	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				
Grand Total					100,000				

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											
	06/27/06	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
Little Goose Dam											
	06/27/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	07/04/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Lower Monumental Dam											
	07/03/06	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
McNary Dam											
	06/29/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	07/03/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	06/27/06	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
	06/30/06	Chinook + Steelhead	100	7	7	7.00%	0.00%	6	1	0	0
	07/04/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Rock Island Dam											
	06/29/06	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0
	07/03/06	Chinook + Steelhead	50	3	3	6.00%	0.00%	3	0	0	0
	07/06/06	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	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>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			
6/23	104	104	105	24	126	126	127	24	117	118	118	24	114	115	115	24	115	116	116	24
6/24	105	105	105	24	124	125	125	24	117	117	118	24	113	114	115	24	115	115	116	24
6/25	105	106	107	24	124	124	126	23	117	117	118	23	114	115	117	23	116	116	116	24
6/26	106	107	107	24	123	124	126	24	118	118	119	24	114	116	116	24	116	117	117	24
6/27	107	107	107	23	122	123	125	24	119	119	119	24	115	116	117	24	117	117	117	24
6/28	107	107	107	24	120	121	123	24	119	119	119	24	116	118	118	24	116	117	117	24
6/29	106	106	107	24	119	119	120	24	118	118	118	1	116	117	117	24	116	116	116	24
6/30	106	106	107	24	117	118	120	24	---	---	---	0	115	116	116	24	115	116	116	24
7/1	106	106	107	24	117	118	120	24	---	---	---	0	114	116	117	24	116	117	117	24
7/2	106	107	107	24	116	117	120	24	119	119	119	16	114	115	117	24	117	117	118	24
7/3	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
7/4	107	107	107	24	115	117	119	24	118	119	119	23	114	116	117	24	117	117	117	24
7/5	107	107	108	24	115	116	118	24	119	119	120	24	115	116	118	24	117	117	118	24
7/6	107	108	109	24	115	116	117	24	119	119	119	24	115	115	117	24	116	116	116	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>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			
6/23	114	115	116	24	114	114	115	24	117	118	124	24	123	125	125	24	123	125	126	24
6/24	114	114	115	24	114	114	114	24	119	121	124	24	117	119	121	24	118	119	121	24
6/25	115	115	116	24	114	114	115	24	117	119	124	24	117	117	118	24	118	118	120	23
6/26	115	116	116	24	115	115	116	24	116	117	118	24	117	117	117	24	117	117	117	24
6/27	116	117	118	24	116	116	116	23	118	119	123	23	117	117	118	24	117	118	118	24
6/28	116	116	117	24	115	115	116	24	117	118	124	24	116	116	116	24	116	116	117	24
6/29	116	116	117	24	114	114	115	24	115	115	118	24	116	117	118	24	116	117	119	24
6/30	115	116	117	24	114	114	115	24	116	117	121	24	114	115	115	24	115	115	116	24
7/1	116	116	117	24	115	115	116	24	116	117	120	24	114	115	116	24	115	115	116	24
7/2	115	116	117	24	115	116	117	24	116	117	117	24	116	117	117	24	116	117	118	24
7/3	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
7/4	116	117	117	24	115	116	117	24	116	117	118	24	115	116	116	24	115	116	116	24
7/5	116	117	117	24	115	116	117	24	116	117	118	24	116	116	116	24	116	116	117	24
7/6	115	116	116	24	114	115	116	24	115	116	116	24	115	115	115	24	115	115	116	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>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			
6/23	122	123	124	24	124	125	126	24	---	---	---	0	---	---	---	0	---	---	---	0
6/24	118	119	120	24	121	122	123	24	118	121	123	23	122	125	127	23	119	121	124	23
6/25	116	117	117	23	119	120	120	23	120	123	124	23	124	125	129	20	124	125	127	23
6/26	117	117	117	24	120	120	120	24	120	122	125	23	120	121	123	20	122	123	127	23
6/27	117	117	118	24	120	121	122	24	16	17	18	18	16	16	16	18	16	16	16	18
6/28	115	116	116	24	119	120	121	24	117	117	118	23	120	122	128	23	120	122	125	23
6/29	115	116	117	24	119	119	120	24	114	114	116	23	118	120	127	23	117	119	123	23
6/30	114	115	116	24	118	119	119	24	115	116	117	23	116	117	121	23	116	117	119	23
7/1	114	115	115	24	117	118	119	24	115	116	119	21	118	120	127	23	117	119	124	23
7/2	114	115	116	24	111	117	118	24	114	114	116	14	116	117	117	23	116	116	117	23
7/3	---	---	---	0	---	---	---	0	115	115	117	13	117	117	120	23	116	117	117	23
7/4	114	115	115	24	107	113	118	24	114	114	117	15	116	116	117	23	116	117	117	23
7/5	114	115	116	24	118	119	120	24	114	115	117	23	117	118	120	23	115	116	118	23
7/6	114	114	115	24	117	118	118	24	17	18	18	20	17	17	17	20	18	18	18	20

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

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

Date	Priest R. Dnst			Pasco			Dworshak			Clwrtr-Peck			Anatone			#				
	24 h	12 h		24 h	12 h		24 h	12 h		24 h	12 h		24 h	12 h						
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High					
6/23	---	---	---	0	118	119	119	24	105	106	107	24	102	103	105	24	103	104	105	24
6/24	118	119	122	23	115	116	117	24	105	106	107	24	102	104	105	24	103	104	105	24
6/25	122	123	124	23	114	115	117	24	102	103	104	24	102	103	104	24	103	104	105	24
6/26	120	121	123	23	117	118	118	24	103	103	103	24	103	104	105	24	104	105	105	24
6/27	16	16	16	18	115	116	117	24	103	104	106	24	103	105	105	24	104	104	105	24
6/28	119	120	121	23	114	114	115	24	102	103	107	24	102	104	106	24	103	104	105	24
6/29	117	118	120	23	112	113	114	24	99	99	99	23	101	101	103	23	102	102	103	24
6/30	116	116	117	23	111	113	113	24	99	100	102	24	102	104	105	24	103	104	105	24
7/1	116	117	119	23	112	113	113	24	100	101	101	24	102	104	105	24	103	104	105	24
7/2	114	115	116	23	112	113	114	24	100	101	101	24	103	104	105	24	103	104	105	24
7/3	115	116	117	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
7/4	115	116	116	23	111	113	113	24	100	100	101	24	103	104	106	24	103	104	105	24
7/5	114	115	115	23	111	112	113	21	99	100	100	24	102	103	104	24	103	103	104	24
7/6	18	18	18	20	109	110	110	15	99	99	100	24	102	103	104	24	102	102	103	24

Total Dissolved Gas Saturation Data at Snake River Sites

Date	Clwrtr-Lewiston			Lower Granite			L. Granite Tlwr			Little Goose			L. Goose Tlwr			#				
	24 h	12 h		24 h	12 h		24 h	12 h		24 h	12 h		24 h	12 h						
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High					
6/23	102	104	106	24	103	103	104	24	111	112	113	24	110	110	111	24	114	115	116	24
6/24	102	104	106	24	103	103	104	24	112	113	113	24	112	112	114	24	115	115	116	24
6/25	103	105	106	24	103	103	104	24	110	112	113	24	113	113	114	24	115	115	116	24
6/26	103	105	106	24	104	104	105	24	112	113	113	24	113	115	116	24	117	118	124	24
6/27	103	105	106	24	104	105	105	24	111	112	115	24	116	116	118	24	115	116	117	24
6/28	103	105	107	24	104	104	106	24	112	113	116	24	113	113	114	24	115	115	115	24
6/29	101	101	102	23	104	105	106	24	111	113	116	24	112	113	113	24	114	114	115	24
6/30	103	105	107	24	104	104	105	24	112	113	115	24	112	112	112	24	114	115	116	24
7/1	103	106	107	24	103	103	104	24	112	113	115	24	110	111	112	24	114	114	115	24
7/2	104	106	108	24	101	101	101	24	110	110	110	12	111	112	113	24	114	114	115	24
7/3	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
7/4	103	106	108	24	104	105	105	24	111	112	114	24	113	113	114	24	114	114	115	24
7/5	104	105	107	24	105	105	106	24	113	114	115	24	112	112	113	24	117	119	141	24
7/6	103	104	106	24	103	103	103	24	114	115	115	24	110	110	111	24	113	113	114	24

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

Date	Lower Mon.			L. Mon. Tlwr			Ice Harbor			Ice Harbor Tlwr			McNary-Oregon			#				
	24 h	12 h		24 h	12 h		24 h	12 h		24 h	12 h		24 h	12 h						
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High					
6/23	112	113	113	24	118	118	119	24	114	114	115	24	115	116	116	24	---	---	---	0
6/24	113	113	114	24	118	119	119	24	114	114	114	24	114	115	115	24	---	---	---	0
6/25	114	114	114	24	118	119	119	24	114	114	114	24	113	115	116	24	---	---	---	0
6/26	115	115	116	24	118	119	120	24	115	116	116	24	114	116	117	24	---	---	---	0
6/27	116	116	116	24	118	119	120	24	117	117	117	24	114	116	117	24	---	---	---	0
6/28	115	115	116	24	116	117	118	24	116	116	116	24	114	116	117	24	---	---	---	0
6/29	115	115	116	24	117	117	118	24	115	116	116	24	113	115	116	24	---	---	---	0
6/30	113	113	113	24	116	117	117	24	114	114	114	24	113	115	116	24	---	---	---	0
7/1	113	113	113	24	116	116	117	24	114	114	114	24	111	112	113	24	---	---	---	0
7/2	114	114	115	24	116	116	117	24	114	114	115	24	113	113	114	24	---	---	---	0
7/3	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
7/4	113	113	114	24	116	117	118	24	114	114	114	24	112	112	113	24	---	---	---	0
7/5	113	113	114	24	118	119	119	24	114	114	114	24	113	115	115	24	---	---	---	0
7/6	112	112	113	24	117	118	118	24	112	113	113	24	112	113	114	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>	<u>24h</u>	<u>AVG</u>	<u>High</u>	<u>#</u>	
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
6/23	114	114	114	24	118	118	120	24	110	111	112	24	119	119	120	24	112	113	115	24
6/24	115	117	118	24	118	119	119	24	112	112	113	24	118	119	119	24	114	115	117	24
6/25	118	118	119	24	118	120	120	24	113	114	115	24	116	119	119	24	114	115	117	24
6/26	117	117	118	24	118	118	119	24	115	115	116	23	117	119	120	23	115	117	119	24
6/27	117	118	119	24	117	118	118	24	116	116	117	24	119	120	120	24	115	116	117	24
6/28	117	117	118	24	117	118	118	24	115	115	115	24	117	120	121	24	112	113	114	24
6/29	114	115	117	24	117	117	117	24	115	115	115	24	123	129	135	24	112	113	114	24
6/30	112	113	114	24	117	117	117	24	115	115	115	24	124	130	131	24	114	115	116	24
7/1	112	113	113	24	116	117	117	24	113	113	114	24	117	117	119	24	113	113	114	24
7/2	113	113	115	24	116	117	118	24	112	112	113	24	116	116	116	24	111	112	112	24
7/3	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
7/4	112	112	112	24	115	116	117	24	112	112	113	24	116	117	117	24	111	111	111	24
7/5	112	112	112	24	115	117	117	24	111	112	112	24	116	118	118	24	108	109	110	24
7/6	109	110	111	24	115	117	120	24	108	109	110	24	116	117	118	24	106	106	107	24

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>CamasWashougal</u>			<u>Cascade Island</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>AVG</u>	<u>High</u>	<u>#</u>	
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
6/23	117	118	119	24	111	112	113	24	114	114	115	23	112	113	114	24	120	121	121	17
6/24	118	119	120	24	115	116	117	24	116	116	117	23	113	115	116	24	120	120	121	17
6/25	118	119	120	24	116	116	117	24	117	118	118	23	115	116	117	24	118	118	119	17
6/26	119	120	120	24	117	117	117	24	117	117	118	23	115	117	118	24	118	118	119	17
6/27	118	119	119	24	117	118	119	24	116	117	117	24	115	116	116	24	117	118	118	17
6/28	117	117	117	24	112	112	114	24	113	114	114	23	112	113	114	24	116	116	117	17
6/29	117	117	118	24	111	111	112	24	112	113	114	23	111	111	112	24	118	118	119	17
6/30	118	118	118	24	114	115	115	24	115	116	116	23	112	114	115	24	116	116	117	17
7/1	117	117	118	24	114	115	115	24	116	116	117	23	113	114	115	24	118	118	118	17
7/2	116	116	117	24	113	113	113	24	115	115	116	23	113	114	115	24	116	116	116	17
7/3	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
7/4	116	116	116	24	108	108	109	24	113	113	114	23	110	111	112	24	116	116	117	17
7/5	115	115	115	24	106	107	108	24	114	115	116	23	109	110	112	24	116	117	117	17
7/6	113	113	114	24	104	104	105	24	112	113	113	23	109	110	111	24	116	116	117	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/currentsmppsubmitdata.asp>

COMBINED YEARLING CHINOOK												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
06/23/2006	*	---	---	---	---	125	212	20	0	---	82	370
06/24/2006	*	---	---	---	---	57	64	32	0	213	0	158
06/25/2006	*	---	---	---	---	88	93	29	0	---	0	151
06/26/2006	*	---	---	---	---	30	130	19	2	0	87	196
06/27/2006	*	---	---	---	---	14	333	11	0	0	0	0
06/28/2006	*	---	---	---	---	27	583	6	0	509	447	412
06/29/2006	*	---	---	---	---	76	63	11	0	---	42	0
06/30/2006	*	---	---	---	---	0	288	5	0	0	0	0
07/01/2006	*	---	---	---	---	0	36	6	2	---	172	0
07/02/2006		---	---	---	---	0	171	39	0	86	0	0
07/03/2006	*	---	---	---	---	0	2,438	18	0	---	0	0
07/04/2006	*	---	---	---	---	17	527	9	0	228	0	0
07/05/2006	*	---	---	---	---	0	2	0	0	---	0	0
07/06/2006	*	---	---	---	---	0	0	0	0	0	0	0
07/07/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	0	434	4,940	205	4	1,036	830	1,287
# Days:		0	0	0	0	14	14	14	14	8	14	14
Average:		0	0	0	0	31	353	15	0	130	59	92
YTD		30,807	25,174	13,056	19,187	3,692,679	4,182,771	1,439,120	37,263	1,560,207	2,250,020	2,256,332

COMBINED SUBYEARLING CHINOOK												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
06/23/2006	*	---	---	---	---	5,561	6,409	1,016	957	---	34,412	51,173
06/24/2006	*	---	---	---	---	6,296	9,832	833	834	137,866	80,166	89,441
06/25/2006	*	---	---	---	---	11,178	10,774	2,705	626	---	49,298	120,317
06/26/2006	*	---	---	---	---	13,417	10,416	2,255	862	94,228	66,426	86,584
06/27/2006	*	---	---	---	---	11,719	13,023	1,840	732	0	71,896	87,178
06/28/2006	*	---	---	---	---	11,859	13,721	1,204	432	203,743	88,334	80,667
06/29/2006	*	---	---	---	---	11,411	27,236	1,023	296	---	102,703	63,834
06/30/2006	*	---	---	---	---	17,725	12,610	1,466	151	322,965	127,729	85,110
07/01/2006	*	---	---	---	---	19,155	24,098	1,884	156	---	193,157	70,780
07/02/2006		---	---	---	---	7,529	40,944	4,941	190	252,596	82,399	54,149
07/03/2006	*	---	---	---	---	10,168	60,099	4,694	137	---	64,411	62,147
07/04/2006	*	---	---	---	---	8,432	31,442	4,777	266	195,619	52,831	79,558
07/05/2006	*	---	---	---	---	16,216	22,645	2,564	528	---	57,146	67,991
07/06/2006	*	---	---	---	---	10,442	11,703	2,349	726	154,004	135,663	41,499
07/07/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	0	161,108	294,952	33,551	6,893	1,361,021	1,206,571	1,040,428
# Days:		0	0	0	0	14	14	14	14	8	14	14
Average:		0	0	0	0	11,508	21,068	2,397	492	170,128	86,184	74,316
YTD		3	35	15	287	709,282	1,080,598	338,109	17,158	2,076,058	1,746,749	3,295,779

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)	
06/23/2006	*	---	---	---	42	85	19	40	---	165	149	
06/24/2006	*	---	---	---	14	43	15	33	107	157	313	
06/25/2006	*	---	---	---	0	57	23	8	---	52	151	
06/26/2006	*	---	---	---	0	107	30	22	112	180	196	
06/27/2006	*	---	---	---	29	79	16	18	0	0	211	
06/28/2006	*	---	---	---	0	64	6	19	212	0	206	
06/29/2006	*	---	---	---	15	0	0	12	---	42	198	
06/30/2006	*	---	---	---	0	28	3	11	0	376	0	
07/01/2006	*	---	---	---	0	0	0	13	---	344	193	
07/02/2006		---	---	---	0	29	0	11	0	409	0	
07/03/2006	*	---	---	---	0	0	6	3	---	0	0	
07/04/2006	*	---	---	---	0	72	0	0	114	0	119	
07/05/2006	*	---	---	---	18	0	0	7	---	20	0	
07/06/2006	*	---	---	---	0	0	0	6	0	0	0	
07/07/2006		---	---	---	---	---	---	---	---	---	---	
<hr/>												
Total:		0	0	0	118	564	118	203	545	1,745	1,736	
# Days:		0	0	0	14	14	14	14	8	14	14	
Average:		0	0	0	8	40	8	15	68	125	124	
YTD		0	0	0	46	86,142	133,008	33,973	61,141	101,993	316,642	657,295

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)
06/23/2006	*	---	---	---	139	259	20	40	---	659	73
06/24/2006	*	---	---	---	85	314	14	17	36	79	78
06/25/2006	*	---	---	---	205	294	17	21	---	52	151
06/26/2006	*	---	---	---	75	168	49	24	112	106	0
06/27/2006	*	---	---	---	159	184	54	18	0	0	0
06/28/2006	*	---	---	---	149	161	11	12	42	223	206
06/29/2006	*	---	---	---	91	46	11	11	---	42	0
06/30/2006	*	---	---	---	15	80	38	8	0	0	0
07/01/2006	*	---	---	---	33	145	12	8	---	0	0
07/02/2006		---	---	---	32	143	27	3	0	0	0
07/03/2006	*	---	---	---	17	359	25	3	---	0	0
07/04/2006	*	---	---	---	17	72	18	6	0	0	0
07/05/2006	*	---	---	---	53	115	10	4	---	20	0
07/06/2006	*	---	---	---	67	0	0	10	0	0	411
07/07/2006		---	---	---	---	---	---	---	---	---	---
<hr/>											
Total:		0	0	0	1,137	2,340	306	185	190	1,181	919
# Days:		0	0	0	14	14	14	14	8	14	14
Average:		0	0	0	81	167	22	13	24	84	66
YTD		1,964	19,998	9,317	4,483,315	4,375,825	1,265,304	26,873	446,107	1,682,174	271,413

Two-Week Summary of Passage Indices

Date	COMBINED SOCKEYE										
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
06/23/2006 *	---	---	---	---	0	58	4	36	---	0	73
06/24/2006 *	---	---	---	---	0	50	7	61	142	0	78
06/25/2006 *	---	---	---	---	15	7	4	11	---	52	0
06/26/2006 *	---	---	---	---	15	8	6	22	225	145	196
06/27/2006 *	---	---	---	---	0	9	0	12	0	0	0
06/28/2006 *	---	---	---	---	0	7	11	17	297	0	206
06/29/2006 *	---	---	---	---	0	91	0	14	---	42	0
06/30/2006 *	---	---	---	---	0	28	0	5	225	188	0
07/01/2006 *	---	---	---	---	0	0	6	14	---	0	0
07/02/2006	---	---	---	---	0	0	3	12	86	409	0
07/03/2006 *	---	---	---	---	0	0	6	17	---	144	178
07/04/2006 *	---	---	---	---	0	0	0	19	0	0	0
07/05/2006 *	---	---	---	---	0	0	0	21	---	102	0
07/06/2006 *	---	---	---	---	17	36	0	10	85	6	0
07/07/2006	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	47	294	47	271	1,060	1,088	731
# Days:	0	0	0	0	14	14	14	14	8	14	14
Average:	0	0	0	0	3	21	3	19	133	78	52
YTD	13	0	0	678	51,818	91,916	40,218	34,294	494,905	527,386	407,225

* 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:

7/7/06 8:37 AM

		06/23/06		TO	07/07/06				
		Species							
Site	Data	CH0	CH1	CO	SO	ST	Grand Total		
LGR	Sum of NumberCollected	103,631	298	80	30	761	104,800		
	Sum of NumberBarged	102,479	290	80	28	748	103,625		
	Sum of NumberBypassed	729	0	0	0	0	729		
	Sum of Numbertrucked	0	0	0	0	0	0		
	Sum of SampleMorts	89	2	0	0	4	95		
	Sum of FacilityMorts	312	6	0	2	9	329		
	Sum of ResearchMorts	22	0	0	0	0	22		
	Sum of TotalProjectMorts	423	8	0	2	13	446		
LGS	Sum of NumberCollected	203,145	3,408	379	204	1,599	208,735		
	Sum of NumberBarged	200,897	3,404	378	201	1,591	206,471		
	Sum of NumberBypassed	92	1	0	0	0	93		
	Sum of Numbertrucked	0	0	0	0	0	0		
	Sum of SampleMorts	28	2	0	0	4	34		
	Sum of FacilityMorts	418	1	1	3	4	427		
	Sum of ResearchMorts	12	0	0	0	0	12		
	Sum of TotalProjectMorts	458	3	1	3	8	473		
LMN	Sum of NumberCollected	22,683	143	83	33	215	23,157		
	Sum of NumberBarged	18,179	138	83	32	205	18,637		
	Sum of NumberBypassed	4,426	5	0	0	6	4,437		
	Sum of Numbertrucked	0	0	0	0	0	0		
	Sum of SampleMorts	40	0	0	0	0	40		
	Sum of FacilityMorts	37	0	0	1	4	42		
	Sum of ResearchMorts	1	0	0	0	0	1		
	Sum of TotalProjectMorts	78	0	0	1	4	83		
MCN	Sum of NumberCollected	740,028	570	285	578	95	741,556		
	Sum of NumberBarged	0	0	0	0	0	0		
	Sum of NumberBypassed	739,784	570	285	578	95	741,312		
	Sum of Numbertrucked	0	0	0	0	0	0		
	Sum of SampleMorts	27	0	0	0	0	27		
	Sum of FacilityMorts	179	0	0	0	0	179		
	Sum of ResearchMorts	39	0	0	0	0	39		
	Sum of TotalProjectMorts	245	0	0	0	0	245		
Total Sum of NumberCollected		1,069,487	4,419	827	845	2,670	1,078,248		
Total Sum of NumberBarged		321,555	3,832	541	261	2,544	328,733		
Total Sum of NumberBypassed		745,031	576	285	578	101	746,571		
Total Sum of Numbertrucked		0	0	0	0	0	0		
Total Sum of SampleMorts		184	4	0	0	8	196		
Total Sum of FacilityMorts		946	7	1	6	17	977		
Total Sum of ResearchMorts		74	0	0	0	0	74		
Total Sum of TotalProjectMorts		1,204	11	1	6	25	1,247		

YTD Transportation Summary

Source: Fish Passage Center

Updated:

7/7/06 8:37 AM

TO: 07/07/06

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	456,954	2,407,698	51,160	32,590	2,820,532	5,768,934
	Sum of NumberBarged	438,259	1,964,102	46,802	25,765	2,467,122	4,942,050
	Sum of NumberBypassed	17,386	437,073	4,214	6,237	352,045	816,955
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	191	203	2	30	98	524
	Sum of FacilityMorts	1,077	6,009	140	557	1,210	8,993
	Sum of ResearchMorts	41	311	2	1	57	412
	Sum of TotalProjectMorts	1,309	6,523	144	588	1,365	9,929
LGS	Sum of NumberCollected	734,679	3,131,464	88,073	62,720	3,228,400	7,245,336
	Sum of NumberBarged	724,928	2,747,185	86,455	52,565	2,634,244	6,245,377
	Sum of NumberBypassed	4,252	376,348	1,524	8,895	591,417	982,436
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	98	136	0	23	18	275
	Sum of FacilityMorts	2,843	5,760	94	1,238	778	10,713
	Sum of ResearchMorts	20	22	0	0	1	43
	Sum of TotalProjectMorts	2,961	5,918	94	1,261	797	11,031
LMN	Sum of NumberCollected	237,286	1,096,065	23,181	27,771	935,462	2,319,765
	Sum of NumberBarged	231,866	1,060,631	23,022	27,003	883,801	2,226,323
	Sum of NumberBypassed	5,140	34,451	159	576	51,011	91,337
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	64	47	0	7	33	151
	Sum of FacilityMorts	215	936	0	185	617	1,953
	Sum of ResearchMorts	1	0	0	0	0	1
	Sum of TotalProjectMorts	280	983	0	192	650	2,105
MCN	Sum of NumberCollected	1,065,419	829,773	47,755	252,052	231,973	2,426,972
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	1,064,535	828,856	47,736	251,660	231,814	2,424,601
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	158	116	1	28	13	316
	Sum of FacilityMorts	585	760	15	348	140	1,848
	Sum of ResearchMorts	142	41	3	16	6	208
	Sum of TotalProjectMorts	885	917	19	392	159	2,372
Total Sum of NumberCollected		2,494,338	7,465,000	210,169	375,133	7,216,367	17,761,007
Total Sum of NumberBarged		1,395,053	5,771,918	156,279	105,333	5,985,167	13,413,750
Total Sum of NumberBypassed		1,091,313	1,676,728	53,633	267,368	1,226,287	4,315,329
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		511	502	3	88	162	1,266
Total Sum of FacilityMorts		4,720	13,465	249	2,328	2,745	23,507
Total Sum of ResearchMorts		204	374	5	17	64	664
Total Sum of TotalProjectMorts		5,435	14,341	257	2,433	2,971	25,437

Cumulative Adult Passage at Mainstem Dams Through: 07/06

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	07/06	96,456	2,908	74,038	4,288	151,682	8,418	79,412	2,812	60,988	3,175	45,510	5,135	0	0	0	0	0	0
TDA	07/06	61,827	2,176	60,964	3,210	104,618	6,110	64,433	2,297	52,657	2,352	37,865	3,475	0	0	0	0	0	0
JDA	07/06	50,313	2,093	56,027	2,715	87,807	4,857	56,720	2,072	46,797	3,353	34,708	3,231	0	0	0	0	0	0
MCN	07/05	45,355	2,475	51,855	3,201	80,814	5,125	44,472	1,829	42,943	1,611	30,416	2,739	0	0	0	0	0	0
IHR	07/04	25,465	843	28,039	1,267	54,334	3,256	7,085	346	7,214	647	9,404	1,399	0	0	0	0	0	0
LMN	07/05	23,596	551	25,933	1,002	51,936	3,032	7,490	268	6,466	499	8,713	1,166	0	0	0	0	0	0
LGS	07/05	20,839	745	23,995	923	49,856	3,088	4,606	298	5,319	525	7,355	1,274	0	0	0	0	0	0
LGR	07/05	22,963	984	26,028	1,258	49,902	3,362	4,549	322	4,886	530	7,198	1,268	0	0	0	0	0	0
PRD	07/02	8,535	81	14,148	515	16,757	523	20,736	83	26,903	699	14,092	421	0	0	0	0	0	0
RIS	07/05	9,245	473	11,908	504	13,259	737	23,140	370	21,755	730	12,064	1,089	0	0	0	0	0	0
RRH	07/05	5,376	274	4,568	417	4,860	283	11,315	206	12,716	289	6,260	387	0	0	0	0	0	0
WEL	07/04	4,043	214	4,897	99	3,488	193	3,186	88	5,188	40	2,385	83	0	0	0	0	0	0
WFA	06/26	32,598	163	33,298	1,111	3,283	86	0	0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	33,180	62,572	53,250	14,401	19,539	23071	4,496
TDA	0	0	0	0	0	0	26,215	54,950	43,578	5,494	9,307	9893	1,889
JDA	0	0	0	0	0	0	28,836	55,341	45,326	7,592	7,472	10427	2,281
MCN	0	0	0	0	0	0	22,191	43,593	34,605	4,383	5,053	5538	1,234
IHR	0	0	0	0	0	0	26	5	16	3,507	3,030	3204	1,056
LMN	0	0	0	0	0	0	8	7	17	3,606	2,702	2948	1,176
LGS	0	0	0	0	0	0	10	6	19	2,875	1,871	2701	942
LGR	0	0	0	0	0	0	1	11	15	7,782	5,671	6802	2,356
PRD	11	0	0	1	0	0	8,429	21,999	25,189	164	180	190	0
RIS	0	0	2	0	1	0	9,277	18,710	20,769	114	271	195	69
RRH	0	0	0	0	1	0	4,770	10,518	12,278	178	447	192	146
WEL	0	0	0	0	0	0	1,261	4,793	6,623	68	89	38	34
WFA	0	0	0	0	0	0	0	0	0	26,125	15,643	1476	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: 07/07/06

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
136