



Fish Passage Center

Weekly Report #05 - 18

July 8, 2005

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Highlights:

- **Water Supply Forecasts at Libby and Hungry Horse have increased 7-8% with respect to average (between June Final and July Early), while Lower Granite and Dworshak have decreased 4-6%**
- **Flows averaged 66.3 Kcfs at Lower Granite Dam between April 3rd and June 20th**
- **Flows at McNary Dam averaged 195.7 Kcfs over the spring period (April 10-June 30) and flows at Priest Rapids averaged 122.7 Kcfs**
- **Grand Coulee Reservoir nearly reached full on July 4th and 5th at 1289.6 feet (0.4 feet from full)**
- **The Libby Reservoir is currently at its highest elevation of 2005 at 2458 feet (7-7-05).**
- **Hungry Horse nearly reached full on June 30th at 3559.9 feet (0.1 feet from full)**
- **Dworshak reached full on June 30th at 1600 feet**
- **Spill at The Dalles Dam averaged 39% of average daily flow as compared to the 40% specified in the Biological Opinion due to facility restrictions.**
- **Judge Redden's June 10, 2005 opinion in NWF v. NMFS granted the spill portion of the National Wildlife Federation's requested injunctive relief. Spill was initiated at Lower Granite, Little Goose and Lower Monumental dams on June 20, 2005. Spill at McNary Dam began on July 1. All other Lower Columbia River projects and Ice Harbor dam are implementing the Biological Opinion summer spill program.**

Summary of Events:

Water Supply: Precipitation continues to be above average over June at most Columbia Basin locations. Of the sites in Table 1, eleven recorded precipitation that was greater than average over the first twenty-seven days of June. Over the entire water year, precipitation remains slightly below average at most 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 2005 June 1-27		Water Year 2005 October 1, 2004 to June 27, 2005	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	3.56	165	19.12	94
SNAKE RIVER Above Ice Harbor	1.66	126	15.12	101
Columbia Above The Dalles	2.22	138	17.61	90
Kootenai	4.11	186	19.18	92
Clark Fork	2.39	137	12.22	87
Flathead	4.54	191	18.77	101
Pend Oreille/Spokane	2.25	114	23.63	87
Central Washington	0.47	81	6.22	79
SNAKE RIVER Plain	0.97	113	11.74	124
Salmon/Boise/Payette	1.64	124	14.82	85
Clearwater	2.69	120	23.41	88
SW Washington Cascades/Cowlitz	2.54	96	47.87	73
Willamette Valley	2.68	132	38.89	70

Water Supply Forecasts have varied between the June Final and July Early Forecasts, some have increased and others have decreased. For example, forecasts at Libby and Hungry Horse have increased 7-8% with respect to average (between June Final and July Early), while Lower Granite and Dworshak have decreased 4-6%. Table 2 displays the June Final and July Early runoff volume forecasts for multiple reservoirs along with runoff volumes that actually occurred in 2001 for comparison. All forecasts are currently above the actual runoff volumes recorded in 2001.

Table 2. June Final and the July Early Runoff Volume Forecasts for various reservoirs within the Columbia and Snake River Basins along with 2001 actual runoff volumes over the same periods.

Location	June Final		July Early		Actual 2001
	% Average (1971-2000)	Probable Runoff Volume (Kaf)	% Average (1971-2000)	Probable Runoff Volume (Kaf)	Actual Runoff Volume (Kaf)
The Dalles (Jan-July)	74	79800	75	80400	58200
Grand Coulee (Jan-July)	84	53000	88	55500	37400
Libby Res. Inflow, MT (Jan-July)	85	5350	93	5860	3341
Hungry Horse Res. Inflow, MT (Jan-July)	75	1660	82	1820	1300
Lower Granite Res. Inflow (Apr- July)	68	14600	64	13700	10300
Brownlee Res. Inflow (Apr-July)	54	3410	52	3300	1970*
Dworshak Res. Inflow (Apr-July)	68	1800	62	1650	1470

The Spring Flow Objective period in the Lower Snake River began on April 3rd, 2005 and ended on June 20th, 2005. Based on the April Final Forecast at Lower Granite (Apr-July), the spring flow objective was 85 Kcfs at Lower Granite. In 2005, flows averaged 66.3 Kcfs at Lower Granite Dam between April 3rd and June 20th. The summer flow objective period began on June 21st, 2005 with a flow objective of 50 Kcfs. River flows

at Lower Granite Dam have averaged 48.1 Kcfs between June 21-July 7.

The Spring Flow Objective Periods at McNary Dam and Priest Rapids Dam began on April 10th and ended on June 30th. The flow objectives at McNary and Priest Rapids were 220 Kcfs and 135 Kcfs, respectively. Flows at McNary Dam averaged 195.7 Kcfs over the spring period and flows at Priest Rapids averaged 122.7 Kcfs. The summer flow objective period began on July 1st, 2005 at McNary Dam with a flow objective of 200 Kcfs. River flows at McNary Dam have averaged 187.8 Kcfs July 1st through July 7th.

Grand Coulee Reservoir nearly reached full on July 4th and 5th at 1289.6 feet (0.4 feet from full) and is currently at an elevation of 1289.2 feet (July 7th, 2005 midnight).

The Libby Reservoir is currently at its highest elevation of 2005 at 2458 feet (7-7-05). Outflows at Libby are currently 19.1 Kcfs, and inflows are 23.1 Kcfs.

Hungry Horse nearly reached full on June 30th 3559.9 feet (0.1 feet from full) and since has drafted slightly and is currently at an elevation of 3559 feet (July 7th, 2005 midnight). Outflows at Hungry Horse are currently 4.8 Kcfs.

Dworshak reached full on June 30th at 1600 feet and since has drafted to an elevation of 1597.8 feet (July 7th, 2005 midnight). Outflows at Dworshak are currently 7.2 Kcfs.

The Brownlee Reservoir drafted 3.5 feet last week and was at an elevation of 2067.6 feet on July 7th, 2005 with outflows ranging between 12.0 and 19.9 Kcfs over the last week.

Spill: Judge Redden's June 10, 2005 opinion in NWF v. NMFS granted the spill portion of the National Wildlife Federation's requested injunctive relief. Spill in excess of flow necessary to operate one unit at each Snake River project at the low end of the 1% efficiency range is to occur on a 24-hour basis. Spill started at Lower Granite, Little Goose, Lower Monumental, and Ice Harbor dams on June 20. Spill began at McNary Dam on July 1. Spill is being provided in such a way as to meet the court order and at the same time accommodate planned research projects. Spill will be limited when necessary so as not exceed the state water quality waiver standards.

Spill at Lower Granite Dam and Ice Harbor Dams is being provided to the gas cap, except for days when the RSW is being tested. Spill at Little Goose Dam was changed from gas cap spill to gas cap spill during nighttime hours and was further reduced this past week to 30% of instantaneous flow during daytime hours. This change was made to address concerns regarding adult passage at this project. Shortly after spill began on June 20th, the adult passage numbers declined at Little Goose Dam. This spill change is designed to allow adult fish to pass more easily. At Lower Monumental Dam spill was originally limited because of concerns regarding total dissolved gas production at this project. Consequently, spill began at 11.5 Kcfs instantaneous flow and has been adjusted according to the total dissolved gas levels and is currently at 23.8 Kcfs. Spill averaged 57% of daily average flows at Lower Granite, 41% of daily average flows at Little Goose, 51% of daily average flows at Lower Monumental and 60% of daily average flows at Ice Harbor over the past week.

Biological Opinion summer spill at the lower Columbia River projects and the court ordered spill at McNary Dam are in place. Spill at McNary Dam averaged 70% of daily average flow. Spill at John Day Dam averaged 30% of daily average flow. Spill at John Day is now changed from the spring-time pattern of 60% of river flow during nighttime hours, to 30% of river flow on a 24-hour basis. Spill at The Dalles Dam is being provided via fixed spill gate openings (dogged off) and variable gate operations of spillbays 1 and 2. This past week volumes have averaged less (39%) than the 40% specified in the Biological Opinion but is closer than it has been most of the season. Spill at Bonneville Dam averaged 51% of average daily flow over the past week.

A few fish were observed with minor signs of gas bubble trauma were observed in the monitoring program over the past week.

Smolt Monitoring: Passage indices for subyearling Chinook were lower again this week at McNary and other Lower Columbia SMP sites, but remained relatively high. At Rock Island Dam indices for subyearlings were lower than last week but also remained at relatively high values this week. While in the Snake River indices were mixed with Lower Granite and Lower Monumental seeing reductions in indices and Little Goose indices increasing. Numbers of spring migrants continued to decrease again this week at all SMP sites.

At Lower Granite Dam in the Lower Snake River the subyearling Chinook average passage index dropped to 3,000 per day this week compared to 7,000 the previous week. Indices for spring migrants were down again this week as well. Based on PIT-tag data the collection efficiency at Lower Granite since spill began is roughly 20% so that the index is well below the true total numbers of fish passing in spill.

At Little Goose Dam the subyearling Chinook indices were up this past week as spill was reduced at the site. The reduction in spill, implemented to improve adult fish passage, resulted in increased turbine operation and therefore increased collection of juvenile fish.

In the Mid-Columbia, at Rock Island Dam, subyearling indices were down this week, with the weekly average index 310 compared to 550 last week. Despite the weekly decrease, the index is relatively high at Rock Island and is likely due to the recent release of subyearling summer Chinook at Turtle Rock in the Columbia River. Spring migrants were captured in relatively low numbers at the site.

At McNary Dam indices for subyearlings were lower than last week, but still very high. The average index fell to 200,000 per day compared to 370,000 per day last week. The high indices reflect the release of 10 million smolts from Ringold and Priest Rapids hatcheries two weeks ago, as well as wild Hanford fish passing the project. Based on PIT-tag data, significant numbers of fish marked in the Hanford Reach have already begun passing the dam. Over the past week 181 Hanford Reach marked wild subyearlings were detected at McNary, representing 8% of detections of the over 20,000 fish marked there. Summer spill opera-

tions, as ordered by Judge Redden began July 1, and likely resulted in decrease collection of fish at the project as spill was increased.

John Day Dam and Bonneville Dam also saw decreasing indices for all spring migrants while subyearling indices were relatively high, reflecting the increases seen last two weeks at McNary. At John Day Dam the index for subyearling Chinook averaged 44,000 this week compared to 55,000 last week while at Bonneville Dam the subyearling index also averaged 44,000 this past week down from 99,000 last week.

Hatchery Releases - Releases of juvenile salmonids from Columbia River Basin hatcheries above Bonneville Dam are estimated near 83.8 million for the 2005 migration season. The Zone Release Report below summarizes "planned" hatchery releases from State, Federal or Tribal hatcheries or acclimation ponds for this year's migration. These totals are updated and finalized through the year.

Hatchery Zone Release Report

	Friday 08-Jul-2005			
	Snake River	Mid-Columbia	Lower Columbia	Total Release
Fall Chinook	4,907,703	12,549,219	21,567,139	39,024,061
Spring Chinook	9,440,350	5,112,676	5,194,338	19,747,364
Summer Chinook	2,348,012	3,369,490		5,717,502
Coho	816,300	1,868,096	5,149,846	7,834,242
Sockeye	209,046	592,459		801,505
Summer Steelhead	8,887,764	1,167,754	533,735	10,589,253
Winter Steelhead			115,453	115,453
Total	26,609,175	24,659,694	32,560,511	83,829,380

Hatcheries in the Columbia/Snake River basin released about 1.2 million fish during the past two weeks with approximately 55,000 fish (research group) to be released by July 8th. See the Hatchery Release Summary Tables for further details. That group will be the final release for the 2005 migration season above Bonneville Dam. There will be some fall releases completed, but the majority of those fish should migrate the following year.

Snake River - Yearling Chinook, coho, sockeye and steelhead salmon as well as subyearling fall Chinook releases from hatcheries in the Snake River basin are completed for the 2005 season as

of July 8.

Mid-Columbia - All yearling spring and summer Chinook, coho, and steelhead and subyearling Chinook have been released from hatcheries during this 2005 migration season.

Lower Columbia - Yearling and subyearling hatchery releases are completed for the 2005 migration season.

Adult Fish Passage -At Bonneville Dam, daily counts of summer Chinook averaged 1,735 fish for the week ending July 7; about equal to last week's daily average count. The season total is now 62,215, about 85.4% and 150.7% of the respective 2004 and 10-year average. The peak daily count was 2,209 on July 3, with the low count of 1,459 on July 7th. The adult summer Chinook count at The Dalles Dam was 51,926, about 83.5% of the Bonneville passage total to date. About 45,600 of the Summer Chinook have passed McNary Dam with the majority (36,000) moving upstream into the Mid-Columbia River. Daily counts at Priest Rapids ranged between 1,200 and 2,100 during the week. Of the 22,000 past Rock Island Dam, 13,000 have continued upstream past Rocky Reach Dam. One of the major tributaries for the Summer Chinook is the Wenatchee River, located between the two projects. The Snake River turnoff has a count of 7,700 at Ice Harbor Dam with these summer migrants primarily destined for the S. Fork Salmon River, Pahsimeroi River, Lostine River and the Imnaha River.

At Bonneville Dam, steelhead counts again increased throughout the week with the average daily count of 1,341 per day, about 850 greater per day than the previous week. Through July 7, the steelhead run at Bonneville was 69.6% and 90.0% of the respective 2004 and 10-year average counts. The daily counts at the Dalles Dam ranged between 400-700 for the week with the cumulative steelhead count through July 7 of 9,172. About 43% of the steelhead counted at Bonneville have passed The Dalles Dam. The majority of the 5,700 steelhead counted at McNary Dam have moved up into the Snake River with the cumulative count at Ice Harbor now at 3,400 for the season. The cumulative count at Priest Rapids Dam is 291 for the season

Adult sockeye salmon passage at Bonneville Dam averaged 2,444 per day through the week with the count at Bonneville through July 7 at 65,158, about 57% and 134% of the respective 2004 and 10-year average count. About 41,000 of the adult sockeye have been counted at Priest Rapids Dam with 18,000 now above Rock Island 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, less than 10 sockeye have been counted into the Snake River.

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
06/24/05	158.9	0.2	155.6	0.0	164.5	10.0	162.8	14.2	163.5	33.1	162.6	8.9	166.7	97.3
06/25/05	138.9	0.2	139.4	0.0	150.7	9.9	151.1	14.2	154.6	31.5	151.4	16.9	154.1	90.4
06/26/05	110.1	0.2	119.2	0.0	126.9	8.9	122.5	11.6	125.2	26.7	145.7	8.3	152.2	88.6
06/27/05	149.4	0.2	145.8	0.0	148.7	10.0	142.5	14.9	144.5	33.1	141.4	8.6	145.3	85.2
06/28/05	160.4	0.2	151.2	0.0	155.5	10.0	148.3	14.6	150.6	31.4	138.1	9.0	135.9	79.3
06/29/05	147.0	0.2	153.7	0.0	162.0	10.0	158.3	13.0	160.1	30.0	162.4	9.2	169.1	99.0
06/30/05	147.7	0.2	150.3	0.0	161.0	14.2	156.1	13.5	157.0	29.1	157.2	9.9	163.4	95.0
07/01/05	136.9	0.3	143.9	0.0	155.4	10.7	155.5	13.9	158.1	29.1	163.1	9.1	165.6	96.8
07/02/05	125.9	0.2	123.9	0.0	133.4	8.7	133.1	12.4	136.1	27.8	135.4	9.7	138.6	81.2
07/03/05	70.9	0.2	75.3	0.0	90.3	7.5	92.5	8.9	95.3	20.0	120.7	8.7	129.7	75.9
07/04/05	77.1	0.3	74.6	0.0	98.6	7.7	98.9	7.9	101.5	20.1	122.6	8.3	120.3	70.4
07/05/05	132.5	0.2	125.4	0.0	113.4	9.9	104.6	13.1	106.4	29.5	106.6	7.4	109.6	64.3
07/06/05	149.0	0.2	145.4	0.0	149.4	10.0	139.7	11.5	139.4	26.3	102.9	8.7	96.9	57.1
07/07/05	146.8	0.2	150.0	0.0	156.4	10.3	153.9	12.7	155.5	29.2	153.2	9.0	154.5	90.0

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

Date	Dworshak		Brownlee Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
06/24/05	3.4	0.0	10.6	16.2	50.0	37.6	47.1	34.5	43.5	24.9	46.5	33.3
06/25/05	2.2	0.0	9.8	13.1	49.0	23.2	50.6	35.5	47.8	24.4	48.4	19.3
06/26/05	2.2	0.0	11.6	10.1	43.7	28.0	43.8	31.6	40.5	23.2	39.9	26.6
06/27/05	2.2	0.0	12.3	16.5	42.5	21.0	44.0	28.7	43.6	19.7	45.0	34.8
06/28/05	2.2	0.0	13.1	21.1	48.4	18.7	49.0	30.6	46.9	19.7	47.0	36.6
06/29/05	2.2	0.0	15.0	21.3	59.9	33.9	58.7	30.5	56.9	19.0	57.6	47.0
06/30/05	2.3	0.0	13.9	20.2	55.5	40.1	53.3	23.9	53.1	20.7	54.0	25.4
07/01/05	4.1	0.0	13.4	16.2	51.5	24.2	53.3	17.8	53.1	21.9	52.0	19.6
07/02/05	4.1	0.0	12.0	12.3	45.0	29.7	41.7	17.4	40.8	21.9	39.7	27.3
07/03/05	4.1	0.0	12.0	14.7	41.0	21.2	39.5	17.4	36.7	21.2	35.4	25.1
07/04/05	4.1	0.0	12.0	13.6	40.6	18.3	43.8	17.9	44.9	21.9	45.6	22.9
07/05/05	6.4	0.0	11.4	16.8	42.4	30.1	41.1	17.5	39.1	17.6	40.3	17.8
07/06/05	7.2	0.0	11.3	20.2	44.2	21.4	44.1	18.7	42.6	22.8	42.1	29.7
07/07/05	7.2	0.0	---	---	49.2	33.1	46.6	19.2	44.2	23.8	45.4	35.2

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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
06/24/05	220.5	46.4	201.8	60.2	197.2	71.5	198.8	92.6	3.3	91.5
06/25/05	213.9	37.1	213.5	63.8	204.5	67.6	212.1	93.1	12.6	94.8
06/26/05	200.5	24.6	186.8	56.2	185.3	71.8	200.3	91.0	7.1	90.7
06/27/05	196.1	19.8	212.7	63.8	203.5	72.2	201.5	95.4	8.3	86.3
06/28/05	188.9	20.5	177.7	52.2	179.5	70.2	197.9	96.2	3.7	86.4
06/29/05	184.7	20.7	194.5	58.2	192.5	72.2	193.8	97.0	5.6	79.7
06/30/05	215.5	41.8	200.5	59.3	199.0	69.7	207.1	97.1	7.1	91.4
07/01/05	230.1	175.3	214.0	63.5	206.8	69.5	210.4	97.1	6.5	95.3
07/02/05	203.2	148.5	198.7	59.6	191.9	73.9	210.3	97.0	10.4	91.4
07/03/05	184.9	130.1	177.5	52.9	170.6	68.3	182.3	97.1	0.0	73.7
07/04/05	153.4	98.7	133.3	40.0	133.3	53.3	153.8	91.9	0.0	50.3
07/05/05	204.2	148.2	194.7	58.2	184.4	68.7	175.7	86.6	5.0	72.6
07/06/05	147.2	91.3	139.9	41.1	147.0	60.6	172.7	87.8	4.0	69.4
07/07/05	191.4	135.2	172.6	50.9	163.8	64.1	155.7	84.3	1.2	58.7

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

Site	Date	Species	Number of Fish	Number w GBT signs	Number w Fin Signs	% Fin GBT	% Severe Fin GBT	Number of Fish with Fin GBT Listed by Highest Rank			
								Rank 1	Rank 2	Rank 3	Rank 4
Little Goose Dam											
	06/30/05	Chinook + Steelhead	100	4	4	4.00%	0.00%	4	0	0	0
	07/03/05	Chinook + Steelhead	39	1	1	2.56%	0.00%	1	0	0	0
	07/07/05	Chinook + Steelhead	101	0	0	0.00%	0.00%	0	0	0	0
Lower Monumental Dam											
	07/01/05	Chinook + Steelhead	54	0	0	0.00%	0.00%	0	0	0	0
	07/04/05	Chinook + Steelhead	22	1	0	0.00%	0.00%	0	0	0	0
McNary Dam											
	06/30/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	07/04/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	07/07/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	06/28/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	07/02/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	07/05/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Rock Island Dam											
	06/30/05	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0
	07/04/05	Chinook + Steelhead	49	0	0	0.00%	0.00%	0	0	0	0
	07/07/05	Chinook + Steelhead	75	1	1	1.33%	0.00%	1	0	0	0

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: 6/24/2005 to 07/07/05

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
National Marine Fisheries Service	Lyons Ferry Hatchery	CH0	FA	2005	55,000	06-21-05	07-08-05	Big Canyon (Clearwater R)	Clearwater River M F
National Marine Fisheries Service Total					55,000				
U.S. Fish and Wildlife Service	Little White Salmon NFH	CH0	FA	2005	443,000	06-29-05	06-29-05	Willard Hatchery	Little White Salmon River
U.S. Fish and Wildlife Service Total					443,000				
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH0	SU	2005	370,930	06-28-05	06-29-05	Turtle Rock Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH0	SU	2005	412,203	06-28-05	06-29-05	Turtle Rock Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife Total					783,133				
Grand Total					1,281,133				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From: 7/8/2005 to 7/21/2005

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
National Marine Fisheries Service	Lyons Ferry Hatchery	CH0	FA	2005	55,000	06-21-05	07-08-05	Big Canyon (Clearwater R)	Clearwater River M F
National Marine Fisheries Service Total					55,000				
Grand Total					55,000				

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

Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	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	#				
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High					
6/24	---	---	---	0	121	122	123	24	111	112	112	24	110	111	111	18	110	110	111	24
6/25	---	---	---	0	120	122	122	24	112	113	113	24	110	110	112	9	111	111	111	24
6/26	---	---	---	0	119	120	122	24	112	113	113	24	109	109	111	11	111	111	111	24
6/27	---	---	---	0	119	121	122	24	112	112	113	24	110	111	112	24	110	111	111	24
6/28	---	---	---	0	117	119	119	24	112	113	113	24	110	110	112	24	110	110	110	24
6/29	---	---	---	0	117	118	120	24	112	112	113	24	110	110	111	24	109	109	110	24
6/30	---	---	---	0	117	119	122	24	112	113	113	24	110	110	112	10	110	110	110	23
7/1	---	---	---	0	117	119	120	24	113	113	114	24	110	110	113	9	110	110	111	24
7/2	---	---	---	0	116	117	118	24	113	114	114	24	110	110	112	11	110	110	111	24
7/3	---	---	---	0	116	118	119	24	113	113	114	24	110	110	113	22	110	111	111	24
7/4	---	---	---	0	115	116	118	24	113	113	113	24	110	110	112	10	110	111	111	24
7/5	---	---	---	0	114	115	116	24	113	114	114	24	111	111	114	9	111	112	112	24
7/6	---	---	---	0	115	116	117	24	114	114	114	24	111	111	114	6	112	112	113	24
7/7	---	---	---	0	114	116	117	24	114	114	114	24	110	110	113	11	111	111	111	24

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	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	#				
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High					
6/24	110	110	111	18	110	110	110	24	111	111	112	24	111	111	112	24	111	112	113	24
6/25	110	111	112	24	110	110	110	24	111	111	112	24	111	112	112	24	112	112	113	24
6/26	111	111	112	24	110	111	111	23	111	112	112	23	112	112	113	24	112	113	113	24
6/27	111	111	112	24	109	109	110	24	111	111	111	24	111	111	112	24	112	112	112	24
6/28	110	110	112	24	109	109	109	23	110	110	111	23	110	110	110	24	111	111	111	24
6/29	109	110	111	24	109	109	109	24	110	111	111	24	110	110	111	24	110	111	112	24
6/30	110	110	111	24	109	109	110	24	111	111	113	24	111	112	112	24	112	112	114	24
7/1	110	110	111	24	109	109	109	24	111	112	115	24	112	112	112	24	111	112	112	24
7/2	110	111	112	24	109	109	109	24	110	111	111	24	112	112	112	21	111	112	112	21
7/3	110	111	111	24	108	109	110	24	110	111	111	24	112	112	112	24	109	110	110	24
7/4	110	111	112	24	108	109	110	24	109	110	111	24	112	112	112	24	110	110	111	24
7/5	111	112	113	23	109	110	111	24	111	112	112	24	112	112	112	24	111	112	113	24
7/6	112	113	114	23	110	110	111	24	112	112	113	24	112	112	112	24	111	112	112	24
7/7	111	111	112	24	110	110	111	24	112	112	113	24	112	112	112	24	111	112	113	24

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	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	#				
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High					
6/24	111	112	112	24	116	117	118	24	---	---	---	0	---	---	---	0	---	---	---	0
6/25	112	112	113	24	117	118	119	24	---	---	---	0	---	---	---	0	---	---	---	0
6/26	112	112	112	24	117	117	118	24	---	---	---	0	---	---	---	0	---	---	---	0
6/27	111	112	112	24	116	117	117	24	---	---	---	0	---	---	---	0	---	---	---	0
6/28	111	111	111	24	116	116	117	24	---	---	---	0	---	---	---	0	---	---	---	0
6/29	111	111	111	24	115	116	117	24	---	---	---	0	---	---	---	0	---	---	---	0
6/30	111	112	112	24	117	118	118	24	---	---	---	0	---	---	---	0	---	---	---	0
7/1	112	112	112	24	116	117	118	24	---	---	---	0	---	---	---	0	---	---	---	0
7/2	111	111	112	21	117	117	117	21	---	---	---	0	---	---	---	0	---	---	---	0
7/3	110	111	111	24	115	116	117	24	---	---	---	0	---	---	---	0	---	---	---	0
7/4	110	110	111	24	115	115	116	24	---	---	---	0	---	---	---	0	---	---	---	0
7/5	111	111	112	24	116	116	116	24	---	---	---	0	---	---	---	0	---	---	---	0
7/6	112	112	112	24	116	117	118	24	---	---	---	0	---	---	---	0	---	---	---	0
7/7	111	112	112	24	117	117	119	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>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High					
	Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg			Avg			
6/24	---	---	---	0	113	114	115	24	102	102	103	16	100	101	103	16	103	104	104	24
6/25	---	---	---	0	113	114	115	24	100	100	101	9	96	96	97	2	102	103	104	24
6/26	---	---	---	0	112	114	115	24	101	102	103	20	96	96	96	1	102	103	104	24
6/27	---	---	---	0	110	111	111	24	100	101	102	24	96	96	97	5	101	101	102	24
6/28	---	---	---	0	111	112	113	24	101	102	104	24	100	101	102	14	101	102	102	24
6/29	---	---	---	0	112	113	114	24	100	101	102	24	101	102	104	24	102	103	104	24
6/30	---	---	---	0	114	115	116	24	100	101	102	24	101	102	104	24	103	105	106	24
7/1	---	---	---	0	114	115	116	24	100	100	101	24	101	102	103	24	103	104	105	24
7/2	---	---	---	0	112	113	113	24	100	100	101	24	100	101	102	24	103	104	105	24
7/3	---	---	---	0	110	110	111	17	99	100	100	24	99	101	103	24	102	104	105	24
7/4	---	---	---	0	112	112	112	1	100	100	101	24	97	99	101	24	103	104	105	24
7/5	---	---	---	0	112	113	114	24	100	100	102	24	101	102	103	21	103	105	106	24
7/6	---	---	---	0	111	111	112	24	100	100	101	24	101	103	104	24	103	104	106	24
7/7	---	---	---	0	109	112	113	24	100	100	101	24	102	103	104	24	103	105	106	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>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High					
	Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg			Avg			
6/24	101	102	105	16	108	110	113	24	118	119	119	24	106	108	110	24	117	118	120	24
6/25	100	100	101	8	106	107	111	24	113	115	119	24	110	110	111	13	120	120	120	13
6/26	102	103	106	19	107	109	113	24	115	116	117	24	110	110	110	24	117	118	120	24
6/27	100	101	102	24	106	108	111	24	112	114	116	24	110	110	111	24	116	116	116	24
6/28	100	101	102	24	105	106	108	24	111	112	112	24	111	111	111	24	116	117	119	24
6/29	102	104	105	24	103	104	106	24	116	118	118	24	111	111	111	24	116	117	118	24
6/30	102	104	106	24	105	106	108	24	119	120	120	24	110	111	111	24	114	115	116	24
7/1	102	104	105	24	102	102	105	24	112	115	120	24	110	111	111	24	112	114	116	24
7/2	102	103	105	24	102	104	104	24	115	117	118	23	109	110	110	24	111	114	116	24
7/3	102	104	105	24	104	105	107	24	113	114	116	24	109	109	110	24	111	114	116	24
7/4	102	104	106	24	111	114	118	24	112	112	113	24	110	110	112	24	112	114	116	24
7/5	102	105	106	24	111	113	117	24	116	118	118	24	111	111	111	24	111	113	115	24
7/6	103	104	105	24	105	106	109	24	112	114	117	24	109	110	110	24	111	114	116	24
7/7	103	105	106	24	105	107	110	24	116	119	120	24	110	110	110	24	112	114	117	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>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High	<u>24 h</u>	<u>12 h</u>	High					
	Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg		Avg	Avg			Avg			
6/24	113	113	114	24	120	120	120	24	111	112	112	24	114	115	116	24	111	113	117	24
6/25	114	114	115	14	120	120	121	14	112	112	112	15	113	113	115	15	114	115	118	24
6/26	116	117	118	24	119	120	120	24	114	115	116	24	114	114	116	24	113	114	115	24
6/27	116	117	118	24	118	118	118	24	115	116	116	24	114	115	115	24	111	111	111	24
6/28	115	115	116	24	118	118	118	24	115	115	116	24	114	115	116	24	109	110	112	24
6/29	115	115	116	24	117	118	118	24	113	114	114	24	115	116	116	24	110	113	115	24
6/30	114	114	115	24	118	119	119	24	113	114	114	24	115	115	116	24	111	113	115	24
7/1	115	116	116	24	118	118	119	24	114	114	115	24	114	115	116	24	111	113	115	24
7/2	115	115	116	24	118	118	119	24	115	115	115	24	114	114	115	24	111	112	113	24
7/3	113	114	114	24	118	118	119	24	114	114	114	24	114	114	115	24	111	111	115	17
7/4	111	112	112	24	118	119	119	24	114	114	114	24	113	114	114	24	111	111	111	1
7/5	111	111	111	24	116	118	119	24	114	114	114	24	113	114	116	24	112	114	117	24
7/6	111	111	111	24	118	118	119	24	114	114	114	24	113	114	115	24	110	111	112	24
7/7	110	110	111	24	118	119	119	24	114	115	115	24	114	115	116	24	112	114	115	24

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

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>McNary-Wash</u>			<u>McNary Tlwr</u>			<u>John Day</u>			<u>John Day Tlwr</u>			<u>The Dalles</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr				
6/24	112	113	113	24	113	113	113	24	108	108	109	23	116	118	119	24	110	110	111	23
6/25	114	114	115	24	114	114	114	24	107	108	108	23	117	118	119	24	108	108	109	23
6/26	114	115	115	24	113	114	114	24	107	107	107	23	115	116	118	24	108	108	108	23
6/27	111	112	113	24	112	112	112	24	106	106	107	23	117	119	119	24	107	107	108	23
6/28	109	109	110	24	111	111	111	24	105	105	105	23	115	116	118	24	107	107	108	23
6/29	109	109	110	24	111	111	111	24	104	104	105	23	116	118	119	24	106	106	108	23
6/30	111	111	111	24	112	112	113	24	104	105	105	23	117	118	119	24	108	108	108	23
7/1	112	113	114	24	119	120	120	24	105	105	105	23	117	119	119	24	107	107	107	23
7/2	112	113	113	24	118	118	119	24	104	104	104	23	115	116	116	24	105	106	107	23
7/3	111	111	112	17	116	117	118	17	104	104	105	23	115	116	118	21	105	106	106	23
7/4	111	111	111	1	116	116	116	1	104	105	105	23	114	115	115	24	107	107	107	23
7/5	112	112	113	24	118	118	119	24	105	105	105	23	116	118	119	24	107	107	107	23
7/6	111	111	112	24	116	116	117	24	105	106	106	23	113	115	116	24	107	107	107	23
7/7	110	110	111	24	117	118	118	24	106	107	107	23	114	114	116	24	106	106	107	23

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>CamasWashougal</u>			<u>Cascade Island</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr				
6/24	115	115	116	24	109	109	110	23	115	116	119	19	110	113	115	24	115	116	119	17
6/25	114	114	115	24	108	108	109	23	114	116	118	23	111	113	115	24	116	116	120	17
6/26	113	114	114	24	108	108	108	23	114	116	119	23	110	112	115	24	115	116	120	17
6/27	113	113	114	24	107	107	108	23	114	117	120	23	110	112	114	24	115	116	119	17
6/28	113	113	114	24	107	107	107	23	114	116	118	23	109	111	113	24	115	115	119	17
6/29	112	113	113	24	106	106	106	23	114	117	120	23	111	114	117	24	115	116	119	17
6/30	113	113	114	24	107	108	108	23	114	117	120	23	111	114	118	24	116	116	120	17
7/1	112	113	113	24	107	107	108	23	114	116	118	23	110	112	114	24	116	116	120	17
7/2	112	112	113	24	106	106	107	23	113	115	119	23	109	111	114	24	116	116	120	17
7/3	112	113	113	24	106	106	106	23	115	117	120	23	110	114	117	24	115	116	120	17
7/4	112	112	113	24	107	107	108	23	116	118	120	23	112	115	117	24	115	115	117	17
7/5	113	113	114	24	107	108	108	23	115	116	117	23	113	115	116	24	115	116	119	17
7/6	112	113	114	24	107	107	108	23	115	117	120	23	111	112	113	24	115	115	116	17
7/7	112	113	113	24	107	107	107	23	114	115	115	23	110	112	114	24	115	116	120	17

Two-Week Summary of Passage Indices

* See sampling comments <http://www.fpc.org/currentDaily/smpcomments.htm>

this means that one or more of the sites on this date had an incomplete or biased sample.

For clip information see: [Daily Catch Report](#)

For sockeye and yearling chinook (Snake only) race information see: [Current Passage Index Query](#)

If the text appears garbled, please hit the refresh button on your browser

NOTE for 2002 Lower Monumental Data: Due to the non-standard operation of Lower Monumental this year, the passage index reliability is in question and is being looked into.

Fall (post SMP season) trapping at the Imnaha River Fish Trap (IMN) is funded by the Lower Snake River Compensation Program (LSRCP)

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)
06/24/2005	---	---	---	---	163	18	58	0	1,831	107	592
06/25/2005	---	---	---	---	32	0	19	1	3,211	528	336
06/26/2005	---	---	---	---	27	3	18	0	2,107	47	144
06/27/2005	---	---	---	---	0	7	16	1	2,850	253	86
06/28/2005	---	---	---	---	21	3	16	0	1,677	201	0
06/29/2005	---	---	---	---	139	8	14	2	1,812	145	44
06/30/2005	---	---	---	---	653	20	46	0	1,355	77	68
07/01/2005	---	---	---	---	204	14	11	2	4,264	87	42
07/02/2005	*	---	---	---	157	23	102	0	7,557	144	42
07/03/2005	---	---	---	---	338	18	120	0	737	122	46
07/04/2005	---	---	---	---	440	0	138	0	0	126	23
07/05/2005	---	---	---	---	201	26	10	0	166	86	81
07/06/2005	---	---	---	---	30	43	14	2	0	262	105
07/07/2005	---	---	---	---	0	83	27	0	71	0	207
<hr/>											
Total:	0	0	0	0	2,405	266	609	8	27,638	2,185	1,816
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	172	19	44	1	1,974	156	130
YTD	43,641	42,756	5,792	1,810	5,673,825	2,475,158	705,544	14,789	1,225,909	1,407,517	1,526,780

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)
06/24/2005	---	---	---	---	4,706	2,358	2,504	216	593,855	92,939	117,022
06/25/2005	---	---	---	---	7,382	1,926	675	302	586,866	79,596	105,824
06/26/2005	---	---	---	---	2,925	1,968	639	277	159,582	82,495	142,468
06/27/2005	---	---	---	---	6,254	2,791	691	396	286,508	36,544	89,516
06/28/2005	---	---	---	---	3,431	3,564	816	604	398,179	45,924	93,780
06/29/2005	---	---	---	---	12,985	3,462	1,862	1,408	308,031	26,348	73,094
06/30/2005	---	---	---	---	10,540	6,023	2,272	644	266,289	21,244	70,103
07/01/2005	---	---	---	---	5,766	7,004	1,980	511	389,999	35,921	70,386
07/02/2005	*	---	---	---	2,478	21,812	1,331	381	279,611	27,923	51,192
07/03/2005	---	---	---	---	4,232	9,216	952	223	254,976	28,358	47,263
07/04/2005	---	---	---	---	2,470	1,530	2,447	102	165,719	39,827	35,879
07/05/2005	---	---	---	---	2,866	1,773	1,503	315	117,179	46,781	14,245
07/06/2005	---	---	---	---	2,142	1,737	1,230	386	111,846	78,988	44,470
07/07/2005	---	---	---	---	927	3,634	951	245	73,997	52,955	45,739
<hr/>											
Total:	0	0	0	0	69,104	68,798	19,853	6,010	3,992,637	695,843	1,000,981
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	4,936	4,914	1,418	429	285,188	49,703	71,499
YTD	0	86	1,224	1,152	1,721,770	1,222,693	180,447	14,926	6,105,907	1,324,118	3,296,309

Two-Week Summary of Passage Indices

COMBINED COHO											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
06/24/2005	---	---	---	---	0	9	8	6	122	143	550
06/25/2005	---	---	---	---	0	0	0	6	128	36	336
06/26/2005	---	---	---	---	7	0	0	10	234	47	142
06/27/2005	---	---	---	---	14	17	0	10	0	0	173
06/28/2005	---	---	---	---	0	12	3	22	112	73	307
06/29/2005	---	---	---	---	6	13	0	17	113	0	133
06/30/2005	---	---	---	---	0	22	5	8	226	1	90
07/01/2005	---	---	---	---	0	28	0	5	0	44	42
07/02/2005 *	---	---	---	---	5	93	8	9	0	54	83
07/03/2005	---	---	---	---	0	0	0	6	368	44	137
07/04/2005	---	---	---	---	6	0	8	1	0	107	92
07/05/2005	---	---	---	---	0	17	10	6	0	86	0
07/06/2005	---	---	---	---	0	22	2	6	0	57	12
07/07/2005	---	---	---	---	0	16	4	3	0	0	16
<hr/>											
Total:	0	0	0	0	38	249	48	115	1,303	692	2,113
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	3	18	3	8	93	49	151
YTD	0	0	0	110	305,059	191,702	24,327	37,102	103,536	191,659	770,932

COMBINED STEELHEAD											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
06/24/2005	---	---	---	---	193	264	274	8	244	72	169
06/25/2005	---	---	---	---	332	203	86	10	642	0	67
06/26/2005	---	---	---	---	93	75	106	7	1,522	204	285
06/27/2005	---	---	---	---	151	42	27	6	456	0	0
06/28/2005	---	---	---	---	178	256	67	3	447	3	0
06/29/2005	---	---	---	---	196	175	66	7	566	274	44
06/30/2005	---	---	---	---	212	250	83	0	903	74	23
07/01/2005	---	---	---	---	111	174	36	3	1,804	89	42
07/02/2005 *	---	---	---	---	81	46	24	4	445	258	42
07/03/2005	---	---	---	---	19	18	28	4	368	54	2
07/04/2005	---	---	---	---	30	89	18	0	0	294	23
07/05/2005	---	---	---	---	10	35	8	6	497	29	0
07/06/2005	---	---	---	---	15	108	10	2	0	0	14
07/07/2005	---	---	---	---	28	62	19	1	0	71	29
<hr/>											
Total:	0	0	0	0	1,649	1,797	852	61	7,894	1,422	740
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	118	128	61	4	564	102	53
YTD	3,754	36,509	2,454	7,263	5,935,562	2,921,714	675,364	15,941	196,250	525,010	186,257

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)
06/24/2005	---	---	---	---	15	23	10	0	122	36	42
06/25/2005	---	---	---	---	0	15	0	1	385	72	136
06/26/2005	---	---	---	---	0	0	18	3	234	0	142
06/27/2005	---	---	---	---	0	3	2	7	0	0	0
06/28/2005	---	---	---	---	0	0	0	12	0	19	88
06/29/2005	---	---	---	---	0	5	14	7	113	0	0
06/30/2005	---	---	---	---	0	22	14	13	226	11	0
07/01/2005	---	---	---	---	0	14	0	6	328	11	0
07/02/2005 *	---	---	---	---	0	0	8	9	0	19	0
07/03/2005	---	---	---	---	19	18	0	6	0	11	0
07/04/2005	---	---	---	---	0	17	0	4	0	19	0
07/05/2005	---	---	---	---	10	17	0	7	0	0	0
07/06/2005	---	---	---	---	0	0	0	13	0	57	0
07/07/2005	---	---	---	---	0	0	2	9	0	0	0
<hr/>											
Total:	0	0	0	0	44	134	68	97	1,408	255	408
# Days:	0	0	0	0	14	14	14	14	14	14	14
Average:	0	0	0	0	3	10	5	7	101	18	29
YTD	115	0	0	263	38,420	41,354	8,210	1,788	103,444	83,898	41,726

* 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:

7/8/05 7:47 AM

06/25/05 TO 07/08/05

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	28,429	972	18	14	655	30,088
	Sum of NumberBarged	27,149	964	18	14	647	28,792
	Sum of NumberBypassed	1,082	0	0	0	0	1,082
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	71	3	0	0	4	78
	Sum of FacilityMorts	84	5	0	0	4	93
	Sum of ResearchMorts	43	0	0	0	0	43
	Sum of TotalProjectMorts	198	8	0	0	8	214
LGS	Sum of NumberCollected	36,237	141	134	61	731	37,304
	Sum of NumberBarged	33,839	119	111	41	655	34,765
	Sum of NumberBypassed	402	3	12	0	0	417
	Sum of Numbertrucked	1,852	15	10	20	71	1,968
	Sum of SampleMorts	53	0	1	0	2	56
	Sum of FacilityMorts	91	4	0	0	3	98
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	144	4	1	0	5	154
LMN	Sum of NumberCollected	10,482	303	25	37	440	11,287
	Sum of NumberBarged	8,892	301	25	37	422	9,677
	Sum of NumberBypassed	1,502	0	0	0	17	1,519
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	40	1	0	0	0	41
	Sum of FacilityMorts	48	1	0	0	1	50
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	88	2	0	0	1	91
MCN	Sum of NumberCollected	2,705,100	17,175	900	1,100	5,550	2,729,825
	Sum of NumberBarged	2,657,338	16,993	890	1,045	5,430	2,681,696
	Sum of NumberBypassed	1,786	0	0	0	0	1,786
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	242	3	0	0	2	247
	Sum of FacilityMorts	19,844	157	10	55	118	20,184
	Sum of ResearchMorts	15	0	0	0	0	15
	Sum of TotalProjectMorts	20,101	160	10	55	120	20,446
Total Sum of NumberCollected		2,780,248	18,591	1,077	1,212	7,376	2,808,504
Total Sum of NumberBarged		2,727,218	18,377	1,044	1,137	7,154	2,754,930
Total Sum of NumberBypassed		4,772	3	12	0	17	4,804
Total Sum of Numbertrucked		1,852	15	10	20	71	1,968
Total Sum of SampleMorts		406	7	1	0	8	422
Total Sum of FacilityMorts		20,067	167	10	55	126	20,425
Total Sum of ResearchMorts		58	0	0	0	0	58
Total Sum of TotalProjectMorts		20,531	174	11	55	134	20,905

YTD Transportation Summary

Source: Fish Passage Center

Updated:

7/8/05 7:47 AM

TO: **07/08/05**

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	1,564,820	5,537,374	286,007	31,614	5,590,726	13,010,541
	Sum of NumberBarged	1,539,769	5,235,724	257,640	30,281	5,093,961	12,157,375
	Sum of NumberBypassed	12,258	278,605	26,286	490	448,421	766,060
	Sum of NumberTrucked	404	8,883	871	487	43,015	53,660
	Sum of SampleMorts	381	453	16	15	68	933
	Sum of FacilityMorts	11,958	13,606	1,194	341	5,259	32,358
	Sum of ResearchMorts	50	103	0	0	2	155
	Sum of TotalProjectMorts	12,389	14,162	1,210	356	5,329	33,446
LGS	Sum of NumberCollected	1,159,299	2,451,224	185,995	38,801	2,857,173	6,692,492
	Sum of NumberBarged	1,103,802	2,015,826	151,264	37,753	2,276,902	5,585,547
	Sum of NumberBypassed	50,420	428,571	34,635	938	571,464	1,086,028
	Sum of NumberTrucked	1,856	238	10	47	362	2,513
	Sum of SampleMorts	122	126	12	4	67	331
	Sum of FacilityMorts	3,099	6,443	74	59	8,378	18,053
	Sum of ResearchMorts	0	20	0	0	0	20
	Sum of TotalProjectMorts	3,221	6,589	86	63	8,445	18,404
LMN	Sum of NumberCollected	166,207	670,361	21,545	7,342	614,053	1,479,508
	Sum of NumberBarged	159,754	511,522	17,022	7,154	456,569	1,152,021
	Sum of NumberBypassed	6,143	145,571	4,521	99	154,896	311,230
	Sum of NumberTrucked	0	12,712	0	60	2,235	15,007
	Sum of SampleMorts	68	40	0	3	26	137
	Sum of FacilityMorts	242	516	2	26	327	1,113
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	310	556	2	29	353	1,250
MCN	Sum of NumberCollected	3,996,860	722,229	61,180	60,012	119,376	4,959,657
	Sum of NumberBarged	2,657,338	16,993	890	1,045	5,430	2,681,696
	Sum of NumberBypassed	1,292,322	702,217	60,102	58,589	113,558	2,226,788
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	366	120	8	18	8	520
	Sum of FacilityMorts	20,934	2,801	174	348	378	24,635
	Sum of ResearchMorts	25	76	6	12	2	121
	Sum of TotalProjectMorts	21,325	2,997	188	378	388	25,276
Total Sum of NumberCollected		6,887,186	9,381,188	554,727	137,769	9,181,328	26,142,198
Total Sum of NumberBarged		5,460,663	7,780,065	426,816	76,233	7,832,862	21,576,639
Total Sum of NumberBypassed		1,361,143	1,554,964	125,544	60,116	1,288,339	4,390,106
Total Sum of NumberTrucked		2,260	21,833	881	594	45,612	71,180
Total Sum of SampleMorts		937	739	36	40	169	1,921
Total Sum of FacilityMorts		36,233	23,366	1,444	774	14,342	76,159
Total Sum of ResearchMorts		75	199	6	12	4	296
Total Sum of TotalProjectMorts		37,245	24,304	1,486	826	14,515	78,376

Cumulative Adult Passage at Mainstem Dams Through: 07/07

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	74,038	4,288	170,152	8,885	145,297	8,221	62,215	3,341	72,835	9,780	41,289	5,094	0	0	0	0	0	0
TDA	60,956	3,209	130,240	7,717	99,119	5,946	51,926	2,360	61,297	6,010	34,172	3,392	0	0	0	0	0	0
JDA	55,877	2,715	112,153	6,367	82,666	4,703	46,821	3,404	55,914	7,410	31,495	3,051	0	0	0	0	0	0
MCN	57,852	3,168	107,497	7,682	76,092	4,941	45,618	1,736	46,704	5,650	28,567	2,856	0	0	0	0	0	0
IHR	27,666	1,224	77,106	4,646	51,680	3,159	7,680	766	11,427	2,464	9,113	1,462	0	0	0	0	0	0
LMN	25,936	999	71,578	3,785	49,507	2,979	6,890	560	9,234	1,731	8,402	1,183	0	0	0	0	0	0
LGS	24,341	928	62,458	3,404	47,589	3,042	5,653	591	7,847	1,827	7,175	1,325	0	0	0	0	0	0
LWG	25,409	1,191	70,742	4,482	47,410	3,274	5,202	610	7,202	1,963	7,123	1,347	0	0	0	0	0	0
PRD	14,148	515	13,521	1,020	15,454	477	36,263	1,216	38,791	2,919	17,351	666	0	0	0	0	0	0
RIS	12,220	510	10,918	958	12,149	699	21,755	730	27,906	2,212	11,142	1,108	0	0	0	0	0	0
RRH	4,652	425	4,365	734	4,426	242	13,264	299	15,205	1,967	5,842	440	0	0	0	0	0	0
WEL	4,897	99	4,615	178	3,006	190	7,120	55	8,071	217	2,928	116	0	0	0	0	0	0
WFA	33,994	1,138	94,012	714	n/a	n/a	---	---	---	---	---	---	0	0	0	0	n/a	n/a

DAM	Coho						Sockeye			Steelhead			
	2005		2004		10-Yr Avg.		2005	2004	10-Yr Avg.	2005	2004	10-Yr Avg.	Wild 2005
	Adult	Jack	Adult	Jack	Adult	Jack							
BON	0	-1	0	0	0	0	65,158	114,708	48,521	21,344	30,654	23,708	8,858
TDA	1	0	0	0	0	0	54,896	98,988	39,513	9,172	13,743	10,078	4,207
JDA	3	-12	0	0	0	0	54,747	102,678	41,498	7,436	13,774	10,720	2,641
MCN	0	0	0	0	0	0	48,864	79,056	33,005	5,670	8,316	5,999	1,952
IHR	0	0	0	0	0	0	8	77	21	3,437	4,944	3,513	1,189
LMN	0	0	2	0	0	0	9	46	19	3,102	3,896	3,060	971
LGS	0	0	0	0	0	0	7	54	22	2,036	3,042	2,808	769
LWG	0	0	0	0	0	0	4	63	19	5,680	8,576	6,797	1,816
PRD	0	1	0	0	1	0	41,231	101,081	34,475	291	1,246	318	n/a
RIS	2	0	0	0	1	0	17,985	65,131	21,307	268	828	202	250
RRH	0	0	0	0	1	0	10,521	47,332	13,166	450	808	172	435
WEL	0	0	0	0	0	0	7,633	30,717	9,214	94	185	40	83
WFA	0	0	0	0	n/a	n/a	0	0	n/a	16,404	40,315	n/a	n/a

WFA is through 6/30; RIS, RRH, & WEL are through 7/5; LGR is missing 6/12.

IHR chinook jack were counted as coho jack for 5/23, 5/24 - it is corrected in our database.

On July 2 a shad was seen at RRH.

*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: 07/08/05

BON counts from January 1, 2005 to March 14, 2005 (our traditional counts begin March 15):

Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
15	0	256	-74