Fish Passage Center

Weekly Report #00 - 18

July 7, 2000

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SUMMARY OF EVENTS:

Water Supply: During the past week of June 30-July 6, cool and unsettled weather dominated through the basin. Streams were generally receding, except for some minor local rises.

Reservoir Operations: Reservoirs were operated for summer flow augmentation or continued refilling toward full pool elevations, during the week of June 30 through July 6. A summary of actual elevations on July 6, and full pool elevations is shown in the following Table:

Project	Actual July 6 Elevation in [ft]	Actual Elevation on June 30 and Full Pool Elevation in [ft]
Libby	2422.32	2418.1/2459.0
Hungry Horse	3557.76	3558.3/3560.0
Grand Coulee	1283.4	1279.0/1290.0
Brownlee	2071.02*	2072.06/2077.0
Dworshak	1596.97	1598.6/1600.0

* ***as of July 5***

Libby reservoir completed the release of 25 Kcfs for the sturgeon flow on June 28, and gradually decreased outflows to 8 kcfs on July 3. The reservoir was not refilled by June 30 as required by the BiOp 1995 and Supplemental 1998 BiOp. Outflows were maintained at a level of 8 Kcfs as required for bull trout, for the remainder of the week of July 4-6. Inflows to the project fluctuated between 30.7 Kcfs on July 1-2 and 16.4 Kcfs on July 6.

Hungry Horse was refilled to 3558.33 ft on June 30. Summer flow augmentation was initiated on July 4 at rates in the range of 5.7 Kcfs-6.29 Kcfs.

Grand Coulee continued to refill during June 30-July 5 to elevation 1283.5 ft. Inflows were increasing from 127.3 Kcfs on June 30 to 148.1 Kcfs on July 6 and outflows were in the range of 62.7 Kcfs on July 2 to 147.7 Kcfs on July 6.

Brownlee was passing inflow at elevation 2072.1 ft through July 3 and then initiated drafting for summer salmon flow augmentation. Outflow from Hells Canyon Dam for the past week ranged between 7.41 Kcfs on July 2 to 15.57 Kcfs on July 5.

Dworshak was refilled to 1598.62 ft on June 30 and commenced drafting for flow augmentation on July 1. The outflow was held constant at level of 6.6 Kcfs during July 1-6. Inflows were in the range of 3.3 Kcfs to 5.2 Kcfs.

Upper Snake reservoirs: As of July 6, the Upper Snake system was drafted to 82% of capacity. American Falls was drafted to 68% of capacity, while Palisades and Jackson Lake were at 85% and 99% of capacity, respectively. The irrigation demands in the system continued to increase and current flow at diversions at Palisades and Minidoka are 13.8 Kcfs and 10.5 Kcfs respectively. Salmon flow augmentation from American Falls continued at rate of 1.5 Kcfs at Milner, which is the lowest point in the Upper Snake system.

Boise and Payette River Basins: As of July 6, the Boise River system was at 93% of capacity. Irrigation demands are also increasing in the system. Salmon augmentation continued with flows of 660 cfs. As of July 6, the Payette River system was at 96% of capacity. Salmon augmentation continued at rates of 1 Kcfs.

Streamflow: The Biological Opinion of 1995 summer flow target of 51.3 Kcfs for Lower Granite is in place beginning June 21 and of 200 Kcfs for McNary is in place beginning on July 1. Weekly average flows for McNary and Lower Granite remained below the BiOp required flow targets for the period of June 30-July 6, decreasing

compared to the previous week due to below average precipitation in the basin and delay of the remaining snowmelt. The average flow for the major run-of-river projects for June 23-July 6 period are given in the following table:

Project	Average discharge [kcfs]	
	June 23-29	June 30-July 6
Priest Rapids	146.2	123.4 (86.3-168.1)
McNary	198.01	160.95 (120.5-195.1)
Lower Granite	43.4	36.5 (33.6-40.0)
Bonneville	203.3	166.6 (143.9-207.9)

Spill: Outflow from Dworshak Dam continued with no spill. The Biological Opinion spill program at the Lower Snake projects ended on June 20. The Biological Opinion summer spill program in the Snake only calls for spill at Ice Harbor Dam.

Spill for fish passage ended at McNary Dam as transportation was implemented. Any spill presently occurring is in excess of hydraulic capacity. Biological Opinion spill as modified by the NMFS and Action Agencies' Spill Plan continues at the lower Columbia River projects through June 30.

Levels of total dissolved gas were below, or near, the allowable TDGS levels at all locations measured. Monitoring for signs of gas bubble trauma (GBT) on fish collected through the Smolt Monitoring Program was conducted this past week. Snake River sites have completed sampling for the season with the end of the spill program, while the Columbia River sites have switched to subyearling chinook for the duration of the program. Only a few fish were detected with signs of GBT in fins during sampling conducted this past week.

Smolt Monitoring Program. Snake River basin: Passage index counts of subyearling chinook at Lower Granite Dam had daily fluctuations this week ranging between 11,500 for the low to 71,900 for the high. The high daily subyearling chinook passage indices at Little Goose occurred on July 2 with 21,246 recorded. Mid-Columbia River: Passage indices of subyearling chinook this week at Rock Island Dam remained mostly in the 100's (range of 92-255 fish), but should increase as more of the recent Turtle Rock Hatchery fish arrive at the dam. Lower Columbia River: Large numbers of subyearling chinook continued to move past McNary Dam. Passage indices of subyearling chinook at McNary Dam averaged about 290,000 fish daily with the range between 221,000 and 432,000 fish. Subyearling chinook in the lower Columbia River continue to pass John Day Dam in high numbers with the passage index ranging between 9,600 and 44,000 fish for the week. Numbers of subyearling chinook at Bonneville had a high daily count on June 30 of 47,072, but reduced to about 4,000 by week's end.

Adult fish passage: During the week of June 30-July 6, numbers of adult summer chinook passing Bonneville Dam ranged between 299 and 722. The cumulative count for summer chinook through July 6 was 20,708. This total was 132% and 143% of the respective 1999 and 10-year average. Summer chinook counts at The Dalles averaged about 450 per day through the week with the cumulative count 16,255 through July 6. At McNary Dam, daily counts of adult summer chinook averaged about 600 per day for the week with the cumulative count through July 6 of 11,744 (July 4 count missing). The Snake River count of adult summer chinook at Ice Harbor Dam was 3,569 with the Mid-Columbia River count at Priest Rapids 7,108 through July 5. The adult summer chinook counts from Ice Harbor and Priest Rapids continue to correlate well with the McNary Dam count.

The number of jack, summer chinook salmon counted at Bonneville Dam totals 8,441 through July 6, and this compares to 2,676 in 1999 and 1,508 for the 10-year average. As with the spring chinook run, numbers of jack summer jack salmon also are returning well above the normal counts seen in previous years.

Through July 6, 87,492 sockeye were counted at Bonneville Dam. The year 2000 count far exceeds the 1999 and 10-year average. Sockeye counts peaked between June 19 and 23 at Bonneville Dam with many of these fish passing the Mid-Columbia projects now. The count of sockeye at Priest Rapids Dam was 52,751. 124 adult sockeye have been counted at Ice Harbor

and 130 counted at Lower Granite Dam. These fish should be destined for the Redfish Lake and other upper Salmon River lakes and most returnees part of the Captive Brood Program.

At Bonneville Dam, the daily steelhead counts ranged between 930 and 1,327. The cumulative count for the project is 23,841, and about double the 1999 and 150% of the 10-year average to date. The number of steelhead passing The Dalles and upriver sites increased through the week with McNary Dam daily counts now near 300. About 200 per day were passing Ice Harbor by the end of the reporting week with the cumulative count 2,673

Hatchery Releases: Subyearling fall and summer chinook releases should be completed for the 2000 migration season by late this week. Based on preliminary data, about 82.8 million yearling and subyearling fish were released from State, Federal or Tribal hatcheries or Acclimation Ponds.

The Hatchery Zone Report Table gives the preliminary numbers from hatchery releases for the 2000 migration season. Numbers will be updated as they are finalized by the agencies. These hatchery release totals include the chinook and sockeye released in fall 1999.

	Snake River	Mid-Columbia	Lower Columbia	Total Release
Fall Chinook	3,232,953	12,047,000	25,556,219	40,836,172
Spring Chinook	5,952,930	3,940,605	5,260,452	15,153,987
Summer Chinook	1,147,487	2,855,216		4,002,703
Coho			1,425,000	1,425,000
Coho	797,474	1,564,705	6,963,500	9,325,679
Sockeye	40,419	142,901		183,320
Summer Steelhead	9,882,148	1,372,284	537,351	11,791,783
Winter Steelhead			79,655	79,655
Total	21,053,411	21,922,711	39,822,177	82,798,299

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

	Grand Coulee		Chief Joseph		Wells		Rocky Reach		Rock Island		Wanapum		Priest Rapids	
Date	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
06/21/00	116.9	0.1	118.9	0.0	134.3	8.2	136.0	17.7	142.1	0.0	143.9	8.3	146.6	1.9
06/22/00	118.0	0.1	125.2	0.0	134.6	9.4	134.9	17.8	144.9	0.0	148.9	12.3	145.8	1.9
06/23/00	98.1	0.1	106.4	0.0	120.5	7.7	129.2	17.7	135.2	0.0	137.1	1.3	143.5	2.7
06/24/00	109.3	0.1	99.5	0.0	109.7	7.8	114.5	11.8	123.3	0.0	128.0	2.9	127.2	2.0
06/25/00	93.2	0.1	93.7	0.0	104.0	7.3	109.9	0.0	117.9	0.0	119.6	2.3	117.0	2.0
06/26/00	138.6	0.1	134.3	0.0	141.3	11.7	138.9	9.0	143.2	0.0	141.0	9.5	137.3	6.0
06/27/00	157.8	0.1	160.3	0.0	174.8	30.0	177.8	29.2	183.1	4.4	191.0	60.3	185.3	51.3
06/28/00	120.3	0.1	126.0	0.0	141.8	13.6	148.5	11.6	157.2	0.0	163.0	25.7	163.8	15.4
06/29/00	119.3	0.1	127.4	0.0	139.5	8.7	137.7	13.4	144.1	0.0	145.6	6.4	149.1	3.3
06/30/00	98.4	0.1	97.8	0.0	107.9	7.3	111.8	13.6	126.4	0.0	137.0	9.2	139.6	3.2
07/01/00	78.0	0.1	78.4	0.0	88.2	6.5	91.7	9.7	100.3	0.0	107.8	1.4	108.3	1.9
07/02/00	62.7	0.1	67.1	0.0	74.6	5.3	77.9	0.0	83.1	0.0	83.9	1.9	86.3	2.1
07/03/00	106.4	0.1	107.0	0.0	112.7	7.7	117.3	0.6	118.8	0.0	111.8	6.6	110.8	2.0
07/04/00	82.4	0.1	84.9	0.0	93.8	6.9	101.9	2.9	108.7	0.0	121.8	3.6	125.3	1.9

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

	Dworshak		Brownlee	Hells Canyon	Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
Date	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
06/21/00	5.3	0.0	10.5	11.3	55.4	0.0	56.5	0.0	57.5	0.0	60.0	52.1
06/22/00	6.9	0.0	9.5	6.8	53.4	0.0	53.8	0.0	56.6	0.0	60.4	45.0
06/23/00	6.8	0.0	10.4	6.8	50.4	0.0	51.3	0.0	52.5	0.0	56.2	40.3
06/24/00	6.8	0.0	10.1	14.0	44.3	0.0	45.0	0.0	46.0	0.0	47.3	39.0
06/25/00	6.8	0.0	11.5	13.7	40.2	0.0	42.3	0.0	43.8	0.0	47.3	37.9
06/26/00	6.8	0.0	11.3	12.6	41.7	0.0	41.5	0.0	42.6	0.0	45.5	36.2
06/27/00	4.6	0.0	11.4	13.5	45.7	0.0	44.9	0.0	45.3	0.0	46.3	34.6
06/28/00	3.9	0.0	10.6	12.8	42.7	0.0	43.3	0.0	46.3	0.0	49.4	42.4
06/29/00	3.3	0.0	9.8	8.9	38.5	0.0	39.2	0.0	39.6	0.0	43.3	36.2
06/30/00	6.5	0.0	9.3	9.5	41.2	0.0	41.3	0.0	43.9	0.0	46.9	40.0
07/01/00	6.6	0.0	10.2	7.1	36.0	0.0	36.9	0.0	38.0	0.0	41.3	35.3
07/02/00	6.6	0.0	---	6.9	33.6	0.0	35.4	0.0	37.8	0.0	42.1	32.9
07/03/00	6.6	0.0	---	---	35.8	0.0	34.3	0.0	34.6	0.0	35.3	29.4
07/04/00	6.6	0.0	---	---	34.5	0.0	35.3	0.0	36.8	0.0	40.5	34.4

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

	McNary		John Day		The Dalles		Bonneville			
Date	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	PH1	PH2
06/21/00	227.2	59.4	213.3	58.5	205.1	81.3	223.9	100.4	90.4	22.7
06/22/00	206.0	38.5	203.3	85.7	204.2	81.0	214.5	80.3	96.0	27.8
06/23/00	202.5	39.4	202.5	86.8	198.5	78.7	211.8	81.7	93.1	26.6
06/24/00	192.9	28.9	185.2	80.8	178.5	70.3	192.4	84.7	84.3	13.0
06/25/00	171.4	0.0	194.3	82.8	200.3	81.2	207.1	87.2	88.3	21.2
06/26/00	173.7	0.0	178.9	75.1	172.6	63.9	194.2	86.6	78.4	18.8
06/27/00	192.7	20.2	186.4	77.9	178.4	71.0	175.9	88.4	64.3	12.8
06/28/00	231.5	66.1	213.1	48.7	207.9	80.4	216.1	120.1	70.0	15.4
06/29/00	221.4	59.4	213.4	63.4	209.3	83.6	225.9	111.9	86.5	17.1
06/30/00	182.3	16.3	199.5	54.4	201.2	79.5	207.9	108.6	83.3	5.6
07/01/00	163.8	0.0	157.7	68.7	156.0	62.5	161.4	83.4	62.1	5.5
07/02/00	156.2	0.0	151.4	65.7	148.7	59.3	156.1	84.4	56.0	5.3
07/03/00	120.5	0.0	124.2	55.8	123.2	48.9	143.9	85.1	43.1	5.2
07/04/00	147.6	0.0	157.6	40.7	156.6	62.0	160.1	112.4	31.9	5.4

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	Fish with L. Line GBT: Num Fish	Avg. Rank
Bonneville Dam													
	06/29/00	Subyearling Chinook	100	0	0	0.00%	0.00%	0	0	0	0	0	0
	07/04/00	Subyearling Chinook	100	0	0	0.00%	0.00%	0	0	0	0	0	0
	07/06/00	Subyearling Chinook	100	1	0	0.00%	0.00%	0	0	0	0	1	1
McNary Dam													
	06/29/00	Subyearling Chinook	100	2	0	0.00%	0.00%	0	0	0	0	2	1
	07/03/00	Subyearling Chinook	100	0	0	0.00%	0.00%	0	0	0	0	0	0
	07/06/00	Subyearling Chinook	100	0	0	0.00%	0.00%	0	0	0	0	0	0
Rock Island Dam													
	06/29/00	Subyearling Chinook	93	4	3	3.22%	0.00%	2	1	0	0	1	1
	07/06/00	Subyearling Chinook	100	0	0	0.00%	0.00%	0	0	0	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

	Hungry H. Dnst				Boundary				Grand Coulee				Grand C. Tlwr				Chief Joseph			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
6/23	104	105	105	23	122	124	125	24	112	112	112	24	111	111	113	24	112	112	112	23
6/24	104	104	104	23	122	123	124	23	111	112	112	24	111	112	113	24	111	111	111	23
6/25	103	103	104	3	120	123	124	24	110	111	111	24	110	111	113	24	110	111	111	23
6/26	120	120	130	7	121	123	126	22	111	111	111	23	111	113	145	24	111	112	112	22
6/27	107	114	133	24	120	122	125	24	111	111	111	24	110	110	112	24	111	112	113	23
6/28	97	97	97	24	120	121	122	24	111	111	111	24	111	111	113	24	111	112	112	23
6/29	102	106	106	24	122	124	126	24	111	111	112	24	111	111	113	24	111	112	113	23
6/30	106	106	107	24	124	125	127	24	111	112	112	24	111	112	114	24	111	112	112	23
7/1	106	106	106	24	124	124	125	24	111	111	112	24	111	112	114	24	111	111	111	23
7/2	106	106	106	24	121	122	123	24	111	111	111	24	111	112	113	24	110	111	111	23
7/3	106	106	106	24	118	119	120	24	111	111	113	24	110	110	112	24	110	110	110	23
7/4	105	105	105	24	118	118	119	24	110	111	111	24	110	110	111	24	110	111	111	23
7/5	105	105	106	24	119	120	120	24	111	111	112	24	110	110	111	24	111	111	111	23
7/6	103	104	105	24	114	115	116	24	112	112	113	24	110	110	111	24	110	111	111	23

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

	Chief J. Dnst				Wells				Wells Dwnstrm				Rocky Reach				Rocky R. Tlwr			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
6/23	110	111	112	23	110	110	111	23	112	112	113	23	106	106	107	24	---	---	---	0
6/24	111	112	112	22	109	110	110	24	110	111	111	24	105	105	105	24	111	111	112	16
6/25	110	111	111	23	109	110	111	24	110	111	111	24	104	105	105	24	110	110	110	23
6/26	110	110	112	23	110	111	111	23	111	113	117	23	104	105	108	23	111	112	114	21
6/27	110	111	111	23	110	111	111	24	115	118	121	24	104	105	105	21	114	115	118	20
6/28	111	112	112	23	111	111	112	24	114	115	121	24	104	105	106	24	116	116	117	23
6/29	110	111	111	23	110	111	111	24	112	112	113	24	106	107	108	24	116	117	118	22
6/30	111	111	112	23	110	111	111	23	111	112	112	23	106	106	107	22	115	117	132	22
7/1	111	111	112	23	109	110	110	24	110	110	111	24	104	105	105	24	112	112	113	23
7/2	109	110	111	23	108	109	109	24	109	110	110	24	103	104	104	24	110	110	110	24
7/3	110	110	111	23	108	108	109	24	110	110	110	24	103	103	105	24	109	109	110	22
7/4	111	111	112	23	108	108	109	24	109	110	110	24	108	109	109	23	109	109	110	23
7/5	110	111	112	23	109	110	110	24	110	111	111	24	110	110	111	24	110	111	111	23
7/6	110	110	111	23	110	110	110	24	111	111	112	24	110	111	111	21	111	111	112	19

Total Dissolved Gas Saturation at Mid Columbia River Sites

	Rock Island				Rock I. Tlwr				Wanapum				Wanapum Tlwr				Priest Rapids			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
6/23	108	108	109	24	111	111	112	22	109	109	110	21	109	109	110	24	109	110	112	24
6/24	107	108	108	23	111	111	111	22	109	109	109	24	109	109	109	24	108	108	109	24
6/25	106	107	107	22	110	110	110	21	110	113	115	24	108	109	110	24	108	109	111	24
6/26	106	107	107	22	110	110	111	20	112	113	115	18	111	112	112	22	111	112	113	22
6/27	108	109	109	23	113	114	116	21	112	113	115	24	114	115	119	24	114	115	119	24
6/28	110	110	111	23	116	116	116	21	112	113	113	24	115	117	121	24	118	121	123	24
6/29	110	110	111	23	114	115	117	23	113	114	115	24	113	113	113	24	113	114	115	24
6/30	110	111	111	21	114	115	117	21	---	---	---	0	---	---	---	0	---	---	---	0
7/1	109	109	110	24	111	111	112	21	---	---	---	0	---	---	---	0	---	---	---	0
7/2	107	107	108	23	110	110	111	23	---	---	---	0	---	---	---	0	---	---	---	0
7/3	106	106	107	24	109	109	109	23	---	---	---	0	---	---	---	0	---	---	---	0
7/4	105	105	105	23	108	108	109	23	---	---	---	0	---	---	---	0	---	---	---	0
7/5	105	105	106	23	109	110	111	23	---	---	---	0	---	---	---	0	---	---	---	0
7/6	106	106	106	21	110	110	111	20	---	---	---	0	---	---	---	0	---	---	---	0

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

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

	Priest R. Dnst				Pasco				Dworshak				Clrwtr-Peck				Anatone			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
6/23	109	110	110	24	105	105	106	24	103	103	104	20	102	103	104	24	103	104	107	24
6/24	109	109	109	24	105	105	105	24	103	103	103	21	102	103	103	24	102	103	104	24
6/25	109	110	110	24	104	104	104	24	102	103	104	24	102	103	104	24	102	103	104	24
6/26	110	110	111	8	105	106	106	24	103	103	104	13	103	103	105	21	103	104	106	24
6/27	119	119	121	8	106	107	108	24	105	105	107	12	103	104	106	24	103	104	107	24
6/28	119	123	124	24	108	109	109	24	104	106	107	24	103	104	105	24	103	104	104	24
6/29	113	114	114	24	109	110	111	24	106	107	107	17	103	104	105	24	103	104	105	24
6/30	---	---	---	0	107	108	110	24	104	105	108	16	103	104	105	24	103	104	105	24
7/1	---	---	---	0	105	106	107	24	103	103	103	21	103	104	104	24	101	102	104	24
7/2	---	---	---	0	103	103	104	24	102	102	103	16	103	104	105	24	101	102	104	24
7/3	---	---	---	0	101	102	102	24	102	102	103	22	102	102	103	24	100	101	102	24
7/4	---	---	---	0	101	101	102	24	102	103	103	16	102	104	104	24	101	103	104	24
7/5	---	---	---	0	103	103	103	24	103	103	103	22	102	103	104	24	101	102	103	24
7/6	---	---	---	0	104	104	105	24	103	103	103	24	103	104	105	24	99	100	101	21

Total Dissolved Gas Saturation Data at Snake River Sites

	Clrwtr-Lewiston				Lower Granite				L. Granite Tlwr				Little Goose				L. Goose Tlwr			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
6/23	102	104	105	24	105	105	107	24	103	103	104	24	110	111	111	24	109	110	111	24
6/24	102	103	104	21	105	107	109	24	103	103	103	24	105	106	108	24	106	107	107	24
6/25	102	104	106	24	105	106	107	24	102	102	103	24	107	110	114	24	103	104	104	24
6/26	103	105	106	24	109	112	115	24	103	103	104	23	110	112	114	24	103	104	105	20
6/27	102	105	106	24	110	113	115	24	102	103	103	24	109	112	113	24	103	104	104	24
6/28	102	105	106	24	111	112	114	24	103	104	104	24	107	108	110	24	104	104	105	24
6/29	103	105	107	24	108	109	110	24	103	104	105	24	106	107	110	24	103	104	105	24
6/30	103	105	107	24	109	109	110	24	104	104	104	24	104	106	107	24	103	103	104	24
7/1	103	104	106	23	105	106	107	24	102	102	103	24	102	102	102	24	101	101	102	24
7/2	102	105	106	24	103	104	104	24	102	102	103	24	101	102	102	24	101	102	102	24
7/3	101	102	103	24	102	103	103	24	101	101	101	24	100	101	101	24	100	101	101	24
7/4	102	105	106	24	102	102	102	24	100	100	101	24	99	99	100	24	100	100	101	24
7/5	102	104	105	24	102	103	105	24	100	101	101	24	100	101	104	24	100	101	101	24
7/6	102	104	106	24	101	102	103	24	100	100	100	24	101	102	105	24	100	100	100	24

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

	Lower Mon.				L. Mon. Tlwr				Ice Harbor				Ice Harbor Tlwr				McNary-Oregon			
	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#	24 h	12 h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
6/23	111	112	113	24	110	111	111	24	113	113	114	24	111	112	113	24	111	113	116	24
6/24	109	109	109	24	107	108	109	24	112	112	112	24	111	112	112	24	111	112	113	24
6/25	109	111	113	24	107	108	108	24	111	112	113	24	110	112	112	24	108	109	111	24
6/26	110	111	113	24	108	109	110	23	110	111	113	23	110	111	113	24	109	111	113	24
6/27	109	111	113	24	107	108	109	24	110	110	112	24	111	112	113	24	108	109	110	24
6/28	107	108	109	24	106	107	108	24	109	110	111	24	111	112	113	24	110	111	116	24
6/29	105	105	106	24	105	106	106	24	110	110	112	24	111	112	113	24	112	114	119	24
6/30	106	107	108	24	105	106	106	24	110	111	113	24	111	112	113	24	113	115	118	24
7/1	105	105	106	24	104	105	105	24	108	109	110	24	110	111	111	24	112	113	115	24
7/2	104	105	106	24	103	104	105	24	106	107	107	24	110	111	113	21	111	112	113	24
7/3	103	104	105	24	102	103	104	24	104	105	106	24	109	110	111	24	108	108	110	24
7/4	102	102	103	24	102	103	105	24	103	104	104	24	110	111	112	24	106	107	108	24
7/5	103	103	105	24	102	103	105	24	103	104	106	24	109	111	112	24	107	108	110	24
7/6	102	103	104	24	101	102	103	24	103	103	104	24	110	111	112	24	106	108	111	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

	McNary-Wash				McNary Tlwr				John Day				John Day Tlwr				The Dalles			
	24 h	12 h		#	24 h	12 h		#	24h	12h		#	24h	12h		#	24h	12h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
6/23	110	111	112	24	112	113	113	24	107	107	108	23	117	118	118	24	108	109	110	23
6/24	109	110	111	24	112	113	113	23	106	106	107	23	116	117	118	23	107	108	109	23
6/25	108	109	110	24	106	106	108	23	107	108	109	23	116	117	118	24	108	111	114	23
6/26	109	111	113	23	106	107	107	21	108	109	110	21	116	117	124	20	111	112	114	23
6/27	110	112	112	24	109	111	113	24	109	111	112	23	117	118	119	24	111	113	114	23
6/28	110	111	113	24	113	116	119	24	108	109	110	23	112	117	118	24	111	112	113	23
6/29	111	112	114	24	113	115	115	24	107	108	109	23	112	116	118	24	108	111	113	23
6/30	112	113	113	24	113	114	115	23	108	108	108	23	112	116	118	24	108	110	111	23
7/1	111	111	111	23	110	111	114	23	105	105	106	23	116	117	118	23	105	106	108	23
7/2	108	109	110	24	108	108	109	24	104	104	104	23	116	117	118	23	106	106	107	23
7/3	106	107	107	24	106	106	107	24	103	103	103	23	115	117	118	24	106	107	108	23
7/4	105	105	105	24	104	104	105	24	102	102	102	22	110	116	118	24	106	106	109	23
7/5	105	106	108	24	103	104	104	24	103	103	104	23	110	116	118	24	106	108	111	23
7/6	106	107	108	24	107	110	111	24	103	103	103	23	110	116	118	24	106	109	111	23

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

	The Dalles Dnst				Bonneville				Warrendale				Skamania				Camas\Washugal			
	24 h	12 h		#	24 h	12 h		#	24h	12h		#	24h	12h		#	24h	12h		#
Date	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
6/23	115	116	117	24	107	107	107	23	110	111	112	23	113	114	116	23	111	113	115	24
6/24	114	115	116	24	106	107	107	23	111	111	112	23	115	116	118	23	112	113	115	24
6/25	115	116	118	24	108	109	110	23	112	113	114	23	115	116	119	23	113	115	117	23
6/26	117	117	127	23	112	113	115	23	115	116	116	21	118	118	119	21	115	118	120	20
6/27	116	117	117	24	114	115	117	23	117	118	120	23	119	120	121	23	117	119	121	24
6/28	117	117	118	24	115	115	116	23	119	119	120	23	121	121	122	23	118	120	122	24
6/29	115	116	117	24	112	113	114	23	117	117	118	23	120	120	121	23	120	124	130	24
6/30	115	116	117	24	109	109	110	23	114	115	116	23	119	120	120	23	120	125	131	24
7/1	113	114	115	23	106	106	107	23	111	112	113	22	116	117	119	23	113	114	114	24
7/2	113	114	114	24	105	105	106	23	112	114	116	23	116	117	119	23	111	113	114	24
7/3	113	114	114	24	104	104	105	23	113	114	116	23	116	118	120	23	111	113	114	24
7/4	113	113	114	24	105	105	106	23	116	117	117	23	120	121	121	23	113	115	117	24
7/5	114	115	116	24	---	---	---	0	118	118	119	23	121	121	121	23	117	118	119	24
7/6	114	115	116	24	107	108	108	23	116	118	118	23	120	121	121	23	116	117	118	24

Hatchery Release Summary

From 6/23/00 to 7/6/00

Hatchery	Species...		Migration Year	Number Released	...Release Dates... Begin...	...End	Release Site	River Name
				Nez Perce Tribe				
Lyons Ferry								
	FA	Chinook	2000	400,000	06/14/00	06/23/00	Cpt John Acclim Pd	Snake River
	FA	Chinook	2000	395,000	06/21/00	06/26/00	Big Canyon (Clearwater	Clearwater Rvr M F
			Agency Totals:	**795,000**	.....			
				WDFW				
Klickitat								
	FA	Chinook	2000	2,500,000	06/12/00	07/10/00	Klickitat H	Klickitat River
Priest Rapids								
	FA	Chinook	2000	6,700,000	06/14/00	06/26/00	Priest Rapids H	Mid-Columbia River
Turtle Rock								
	SU	Chinook	2000	348,000	07/05/00	07/05/00	Turtle Rock H	Mid-Columbia River
	SU	Chinook	2000	369,000	07/05/00	07/05/00	Turtle Rock H	Mid-Columbia River
			Agency Totals:	**9,917,000**	.....			
			Total Release..	**10,712,000**				

Two-Week Summary of Passage Indices

The Total, # Days, and Average are calculated on the last two weeks of data and do not include the current day's passage index.

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)
06/23/00	---	---	---	---	780	390	29	27	3,528	314	151
06/24/00	---	---	---	---	530	150	25	26	4,243	80	161
06/25/00	---	---	---	---	1,950	0	32	24	3,251	39	0
06/26/00	---	---	---	---	650	15	46	20	1,600	48	0
06/27/00	---	---	---	---	660	12	26	18	1,000	15	609
06/28/00	---	---	---	---	700	13	24	19	1,509	33	249
06/29/00	---	---	---	---	900	15	29	22	1,514	27	0
06/30/00	---	---	---	---	850	15	56	13	1,139	16	0
07/01/00	---	---	---	---	600	36	246	11	629	35	0
07/02/00	---	---	---	---	600	180	110	7	900	24	0
07/03/00	---	---	---	---	1,500	20	260	7	300	16	0
07/04/00	---	---	---	---	500	0	110	9	400	20	0
07/05/00	---	---	---	---	600	40	9	5	500	0	0
07/06/00	---	---	---	---	250	20	9	4	600	0	0
Total:	**0**	**0**	**0**	**0**	**11,070**	**906**	**1,011**	**212**	**21,113**	**667**	**1,170**
# Days:	**0**	**0**	**0**	**0**	**14**	**14**	**14**	**14**	**14**	**14**	**14**
Average:	**0**	**0**	**0**	**0**	**791**	**65**	**72**	**15**	**1,508**	**48**	**84**

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)
06/23/00	---	---	---	---	4,720	15,659	5,275	218	463,896	39,809	26,706
06/24/00	---	---	---	---	6,630	8,437	3,354	153	694,038	16,586	19,449
06/25/00	---	---	---	---	32,115	8,357	3,342	113	534,878	16,851	8,294
06/26/00	---	---	---	---	16,400	3,347	33,169	104	474,300	29,819	31,422
06/27/00	---	---	---	---	11,400	2,799	3,453	158	368,600	30,120	22,737
06/28/00	---	---	---	---	8,780	6,292	3,229	198	399,735	36,661	14,942
06/29/00	---	---	---	---	23,200	4,161	1,924	145	555,848	101,461	16,048
06/30/00	---	---	---	---	14,850	2,718	3,805	186	432,417	32,784	47,072
07/01/00	---	---	---	---	13,800	7,775	5,904	143	240,384	43,846	9,430
07/02/00	---	---	---	---	41,050	21,246	2,580	93	221,000	16,495	6,004
07/03/00	---	---	---	---	71,900	18,821	4,090	116	247,100	16,628	3,980
07/04/00	---	---	---	---	16,800	3,359	1,850	104	245,700	9,595	4,035
07/05/00	---	---	---	---	35,650	7,049	1,457	92	312,100	9,834	7,631
07/06/00	---	---	---	---	11,500	6,195	1,575	255	330,300	15,065	3,777
Total:	**0**	**0**	**0**	**0**	**308,795**	**116,215**	**75,007**	**2,078**	**5,520,296**	**415,554**	**221,527**
# Days:	**0**	**0**	**0**	**0**	**14**	**14**	**14**	**14**	**14**	**14**	**14**
Average:	**0**	**0**	**0**	**0**	**22,057**	**8,301**	**5,358**	**148**	**394,307**	**29,682**	**15,823**

* See sampling comments http://www.fpc.org/2000Daily/smpcomments.htm

These data are preliminary and have been derived from various sources. For verification and/or origin of these data, contact the operators of the Fish Passage Data System at (503) 230-4099.

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)
06/23/00	---	---	---	---	120	345	17	46	4,473	79	754
06/24/00	---	---	---	---	110	90	10	37	3,637	58	964
06/25/00	---	---	---	---	86	105	26	26	1,509	286	259
06/26/00	---	---	---	---	50	90	22	20	1,900	367	188
06/27/00	---	---	---	---	160	192	72	17	1,100	311	203
06/28/00	---	---	---	---	560	324	91	35	1,026	103	0
06/29/00	---	---	---	---	660	345	31	19	1,927	620	251
06/30/00	---	---	---	---	300	150	47	38	1,553	14	0
07/01/00	---	---	---	---	50	84	18	2	419	5	0
07/02/00	---	---	---	---	200	15	0	3	100	14	0
07/03/00	---	---	---	---	200	80	20	3	0	19	0
07/04/00	---	---	---	---	0	25	10	3	100	4	0
07/05/00	---	---	---	---	100	20	4	0	50	203	0
07/06/00	---	---	---	---	50	120	13	4	300	0	0
Total:	**0**	**0**	**0**	**0**	**2,646**	**1,985**	**381**	**253**	**18,094**	**2,083**	**2,619**
# Days:	**0**	**0**	**0**	**0**	**14**	**14**	**14**	**14**	**14**	**14**	**14**
Average:	**0**	**0**	**0**	**0**	**189**	**142**	**27**	**18**	**1,292**	**149**	**187**

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)
06/23/00	---	---	---	---	1,380	617	247	12	1,134	19	453
06/24/00	---	---	---	---	1,380	452	318	6	1,091	17	161
06/25/00	---	---	---	---	1,950	605	493	6	232	0	0
06/26/00	---	---	---	---	1,000	452	247	4	900	19	0
06/27/00	---	---	---	---	1,100	1,193	700	1	600	15	0
06/28/00	---	---	---	---	2,440	1,836	754	6	845	24	0
06/29/00	---	---	---	---	4,560	1,561	381	9	688	221	251
06/30/00	---	---	---	---	2,600	511	428	13	1,346	11	0
07/01/00	---	---	---	---	2,250	316	348	1	419	24	0
07/02/00	---	---	---	---	750	241	220	2	300	27	0
07/03/00	---	---	---	---	2,200	121	150	7	200	9	0
07/04/00	---	---	---	---	900	0	80	4	200	20	0
07/05/00	---	---	---	---	2,350	161	79	2	150	0	0
07/06/00	---	---	---	---	1,100	280	386	1	0	0	0
Total:	**0**	**0**	**0**	**0**	**25,960**	**8,346**	**4,831**	**74**	**8,105**	**406**	**865**
# Days:	**0**	**0**	**0**	**0**	**14**	**14**	**14**	**14**	**14**	**14**	**14**
Average:	**0**	**0**	**0**	**0**	**1,854**	**596**	**345**	**5**	**579**	**29**	**62**

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.

Two-Week Summary of Passage Indices

COMBINED SOCKEYE

	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
06/23/00	---	---	---	---	0	15	3	0	315	11	604
06/24/00	---	---	---	---	0	15	3	1	364	14	482
06/25/00	---	---	---	---	21	0	2	2	116	11	0
06/26/00	---	---	---	---	0	0	3	2	100	52	376
06/27/00	---	---	---	---	20	24	3	4	0	72	0
06/28/00	---	---	---	---	40	0	4	10	0	26	0
06/29/00	---	---	---	---	0	30	2	12	0	1	251
06/30/00	---	---	---	---	0	0	3	21	104	4	0
07/01/00	---	---	---	---	0	24	0	5	105	0	674
07/02/00	---	---	---	---	0	0	0	11	0	0	0
07/03/00	---	---	---	---	0	0	0	8	150	2	0
07/04/00	---	---	---	---	0	0	0	9	300	4	0
07/05/00	---	---	---	---	0	0	1	3	50	0	0
07/06/00	---	---	---	---	0						
Total:	**0**	**0**	**0**	**0**	**81**	**108**	**24**	**88**	**1,604**	**197**	**2,387**
# Days:	**0**	**0**	**0**	**0**	**14**	**13**	**13**	**13**	**13**	**13**	**13**
Average:	**0**	**0**	**0**	**0**	**6**	**8**	**2**	**7**	**123**	**15**	**184**

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)}

LEW and WTB data collected for the FPC by Idaho Dept. of Fish and Game.
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.

Cumulative Adult Passage at Mainstem Dams Through 07/06

	Spring Chinook						Summer Chinook						Fall Chinook					
	2000		1999		10-Yr Avg.		2000		1999		10-Yr Avg.		2000		1999		10-Yr Avg.	
DAM	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	178,302	21,259	38,669	8,691	62,347	2,737	20,708	8,441	15,635	2,676	14,476	1,508	0	0	0	0	0	0
TDA	102,702	14,716	17,563	6,180	36,497	1,828	16,255	6,184	11,285	1,969	11,146	968	0	0	0	0	0	0
JDA	86,502	12,133	15,409	5,089	29,402	1,505	15,479	4,615	10,983	1,564	10,240	872	0	0	0	0	0	0
MCN	64,647	10,839	9,260	3,972	28,536	1,577	11,744	3,678	7,908	1,220	9,574	715	0	0	0	0	0	0
IHR	38,234	9,129	5,351	2,657	15,091	720	3,569	2,678	3,198	1,020	3,797	341	0	0	0	0	0	0
LMN	34,632	9,952	3,924	2,726	14,041	753	3,781	2,592	2,551	1,011	3,433	329	0	0	0	0	0	0
LGS	34,468	10,152	3,445	2,690	**	**	3,033	2,940	2,495	980	**	**	0	0	0	0	**	**
LWG	33,818	10,317	3,296	2,507	12,180	669	2,986	2,934	2,349	1,039	3,294	313	0	0	0	0	0	0
PRD	19,143	1,085	4,139	761	9,052	194	7,108	674	3,512	146	4,523	133	0	0	0	0	0	0
RIS	14,400	1,429	3,309	915	6,567	218	4,422	1,707	952	182	1,673	72	0	0	0	0	0	0
RRH	5,336	392	1,389	233	1,501	54	1,670	450	344	83	357	20	0	0	0	0	0	0
WEL	1,519	443	141	199	752	53	1,016	298	129	25	171	14	0	0	0	0	0	0

	Coho						Sockeye			Steelhead			
	2000		1999		10-Yr Avg.				10-Yr			10-Yr	Wild
DAM	Adult	Jack	Adult	Jack	Adult	Jack	2000	1999	Avg.	2000	1999	Avg.	2000
BON	0	0	0	0	0	0	87,492	13,078	31,002	23,841	10,539	15,927	9,756
TDA	0	0	0	0	0	0	68,803	9,029	22,748	7,907	3,309	5,925	4,639
JDA	1	0	0	0	0	0	82,234	8,239	22,295	11,037	6,303	6,373	3,391
MCN	0	0	0	1	0	0	50,611	5,543	20,062	4,008	1,859	4,544	1,080
IHR	0	0	0	0	0	0	124	1	2	2,673	1,237	3,088	873
LMN	0	0	0	0	0	0	143	1	1	2,002	789	2,768	804
LGS	0	0	0	0	**	**	134	0	**	1,608	1,035	**	632
LWG	0	0	0	0	0	0	130	1	1	3,066	3,133	5,390	1,036
PRD	17	1	0	1	0	0	52,751	5,060	11,758	278	1,777	228	0
RIS	3	0	0	0	0	0	29,829	546	1,967	126	83	177	63
RRH	0	0	4	0	0	0	16,608	367	689	125	99	117	60
WEL	0	0	0	0	0	0	21,035	204	837	26	40	61	9

Note: BON, IHR,JDA,LGR,MCN,TDA are through 07/06; LMN, WEL and PRD are through 07/05; LGS is through 7/04; RIS
Note: LGS is missing the right (WA) count for steelhead on 6/28.
Note: IHR 05/06 is missing the south ladder count.
These numbers were collected from the COE's Running Sums text files.
Wild steelhead numbers are included in the total.
**Adult count records at Little Goose Dam have been maintained since 1991, visual counts were not conducted at Little Goose Dam between 1982 and 1990.
***PRD is not reporting Wild Steelhead numbers.
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.
Priest Rapids missing 6/30 count.

Two Week Transportation Summary

06/23/00 TO 07/06/00

		Species					
Site	**Data**	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum Of NumberCollected	308,795	11,070	2,646	81	25,960	348,552
	Sum Of NumberBarged	305,250	11,187	2,744	81	25,711	344,973
	Sum Of NumberBypassed	0	0	0	0	0	0
	Sum Of NumberTrucked	0	0	0	0	0	0
	Sum Of TotalProjectMort	947	13	2	0	81	1,043
LGS	Sum Of NumberCollected	116,215	906	1,985	108	8,346	127,560
	Sum Of NumberBarged	114,486	926	1,895	108	8,363	125,778
	Sum Of NumberBypassed	0	0	0	0	0	0
	Sum Of NumberTrucked	0	0	0	0	0	0
	Sum Of TotalProjectMort	652	20	14	0	119	805
LMN	Sum Of NumberCollected	75,007	1,011	381	26	4,831	81,256
	Sum Of NumberBarged	83,287	1,087	446	45	4,753	89,618
	Sum Of NumberBypassed	13,455	0	0	0	0	13,455
	Sum Of NumberTrucked	0	0	0	0	0	0
	Sum Of TotalProjectMort	318	54	0	0	137	509
MCN	Sum Of NumberCollected	4,878,000	18,175	15,175	1,625	6,925	4,919,900
	Sum Of NumberBarged	4,838,898	17,855	14,914	1,618	6,761	4,880,046
	Sum Of NumberBypassed	21,901	0	0	0	0	21,901
	Sum Of NumberTrucked	0	0	0	0	0	0
	Sum Of TotalProjectMort	17,201	320	261	7	164	17,953
Total Sum Of NumberCollected		5,378,017	31,162	20,187	1,840	46,062	5,477,268
Total Sum Of NumberBarged		5,341,921	31,055	19,999	1,852	45,588	5,440,415
Total Sum Of NumberBypassed		35,356	0	0	0	0	35,356
Total Sum Of NumberTrucked		0	0	0	0	0	0
Total Sum Of TotalProjectMort		19,118	407	277	7	501	20,310

YTD Transportation Summary

TO: 07/06/00

		Species					
Site	**Data**	**CH0**	**CH1**	**CO**	**SO**	**ST**	**Grand Total**
LGR	Sum Of NumberCollected	412,695	2,447,060	120,338	5,898	5,025,466	8,011,457
	Sum Of NumberBarged	399,554	2,322,012	119,829	5,667	4,786,740	7,633,802
	Sum Of NumberBypassed	46	115,444	400	16	226,270	342,176
	Sum Of NumberTrucked	117	6,084	16	187	11,238	17,642
	Sum Of TotalProjectMort	1,510	3,271	43	28	623	5,475
LGS	Sum Of NumberCollected	187,392	1,356,737	36,745	3,269	1,050,418	2,634,561
	Sum Of NumberBarged	203,763	1,347,790	36,624	3,184	1,042,388	2,633,749
	Sum Of NumberBypassed	0	0	0	0	0	0
	Sum Of NumberTrucked	0	4,308	5	76	6,791	11,180
	Sum Of TotalProjectMort	878	5,261	55	29	1,355	7,578
LMN	Sum Of NumberCollected	150,319	607,378	16,591	4,192	760,922	1,539,402
	Sum Of NumberBarged	128,607	555,228	16,565	4,178	758,169	1,462,747
	Sum Of NumberBypassed	19,839	24,873	0	0	905	45,617
	Sum Of NumberTrucked	0	25,741	10	10	810	26,571
	Sum Of TotalProjectMort	565	1,527	3	2	641	2,738
MCN	Sum Of NumberCollected	5,911,129	1,160,823	162,425	61,345	364,126	7,659,848
	Sum Of NumberBarged	5,253,937	22,370	21,112	2,001	9,200	5,308,620
	Sum Of NumberBypassed	638,621	1,137,415	140,936	59,322	354,501	2,330,795
	Sum Of NumberTrucked	0	0	0	0	0	0
	Sum Of TotalProjectMort	18,572	1,037	376	22	425	20,432
Total Sum Of NumberCollected		6,661,535	5,571,998	336,099	74,704	7,200,932	19,845,268
Total Sum Of NumberBarged		5,985,861	4,247,400	194,130	15,030	6,596,497	17,038,918
Total Sum Of NumberBypassed		658,506	1,277,732	141,336	59,338	581,676	2,718,588
Total Sum Of NumberTrucked		117	36,133	31	273	18,839	55,393
Total Sum Of TotalProjectMort		21,525	11,096	477	81	3,044	36,223