



Fish Passage Center

Weekly Report #01 - 17

July 6, 2001

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SIGNIFICANT POINTS

- **Mainstem migration flows continued to decline throughout the week, declining farther below the NMFS Biological Opinion target, than previous weeks.**
- **The Biological Opinion summer flow target for Lower Granite Dam of 50 kcfs began on June 20. Flows averaged 25.2 kcfs at lower Granite Dam last week.**
- **The Biological Opinion summer flow target for McNary Dam of 200 kcfs began on July 1. Flows averaged 109.3 kcfs at McNary Dam last week.**
- **No spill is planned for the federal hydrosystem for the summer migration.**

SUMMARY OF EVENTS:

Water Supply: No new information this week.

Reservoir Operations: Over the past week, system reservoirs refilled as illustrated in the following table. Grand Coulee Reservoir is passing inflow on weekly basis. Libby outflow increased to 6 Kcfs on Monday July 2 for bull trout purposes. Albeni Falls outflow was reduced and the project will be operated between 2062 and 2062.5. Flow augmentation from Dworshak Reservoir for flow and temperature regulation began on July 2. Outflow from Dworshak increased to 5 Kcfs on July 2-4, 7 Kcfs on July 5-6 and will increase to 10 Kcfs for July 7-8.

The Upper Snake projects continued drafting pools due to irrigation demands, to 50% of capacity on July 5. American Falls is at 43% of capacity, Palisades is at 32% of capacity and Jackson Lake is at 79% of capacity.

Reservoir	Elevations June 29 – July 5, 2001
Libby	2430.4 – 2433.3
Hungry Horse	3541.1 – 3542.3
Grand Coulee	1281.3 – 1282.1
Dworshak	1587.2 – 1586.2
Brownlee	2075.5 – 2074.5*

* Through midnight 6/27

Flows: Mainstem migration flows are far below the NMFS Biological Opinion requirement in all river reaches. For the week of June 29 through July 5, weekly average flow at Priest Rapids was 83.1 kcfs with the highest daily average flow of 101.3 kcfs occurring on July 3 and the lowest daily average flow occurring on of 55.7 kcfs occurring on July 5.

Daily average flows at Lower Granite Dam have decreased since last week. The highest daily average flow of 27.9 kcfs occurred on June 29 and the lowest daily average flow of 22.9 occurred on June 30. The weekly average flow at Lower Granite Dam was 25.2 kcfs. The NMFS Biological Opinion summer flow target for Lower Granite Dam of 50 kcfs began on June 20.

The weekly average flow at McNary Dam was 109.3 kcfs, with the lowest daily average flow of 85 kcfs occurring on July 5 and the highest daily average flow of 135.3 occurring on June 29. This compares to a Biological Opinion flow target of 200 kcfs beginning July 1.

Spill: No summer spill program is planned for the federal hydrosystem in 2001. Spill at Priest Rapids averaged 24% of daily average flow last week and at Wanapum Dam spill averaged 31% of daily average flow.

Total dissolved gas readings at most monitors are reading in excess of 100%, but less than the waiver limits. Fish with bubbles in their lateral line have been sampled at both McNary and Rock Island dams, but no fish with bubbles in the unpaired fins were observed this past week. The Snake River sites have completed GBT sampling for this year.

Smolt Monitoring Program. Collection of subyearling chinook at Lower Granite Dam was up 92% this week as a result of large numbers of subyearling chinook being collected on July 4 and 5. Lower Granite Dam's subyearling chinook collections hit a high of 82,200 on July 4. Collections of subyearling chinook also rose over 75% at both Little Goose and Lower Monumental dams this week. Subyearling chinook passage indices at Rock Island Dam averaged near 200 fish per day this week, slightly lower than last week's average. Subyearling chinook passage indices at McNary Dam rose 35% this week, and averaged 456,800 fish per day. McNary Dam hit highs of 665,200 subyearling chinook on July 1. Subyearling chinook passage indices at John Day Dam rose nearly 70% this week, and averaged 44,000 fish per day. Subyearling chinook passage indices rose 26% this week at Bonneville Dam, and averaged 27,000 fish per day.

Adult Fish Passage: At Bonneville Dam, the cumulative count of adult summer chinook salmon through July 5 was 52,848, about 2.6 times and 3.7 times greater than the respective Year 2000 and 10-year average. The adult chinook counts at Bonneville Dam ranged from a high of 2,016 to a low of 1,193 per day through the week. At The Dalles Dam, 46,799 adult summer chinook salmon have been counted, approximately 88.6% of the Bonneville count. The cumulative adult summer chinook salmon count at McNary Dam was 35,979, with 13,002 tallied at Ice Harbor (Snake River) and about 14,500 (through July 2) at Priest Rapids Dam (Mid-Columbia River). Numbers of adult chinook entering the Snake River continued to decline while the Priest Rapids counts averaged about 1,000 fish per day and showed an increase above the previous week. How do the summer chinook counts compare to the 1980s and 1970s at Bonneville Dam. Already, the adult summer chinook count of 52,848 exceeds annual counts back to 1972; however, summer chinook counts in the 1960s and 1950s far exceeded counts after 1972 and included far greater counts of summer chinook passage into the Snake River in those earlier years. The 2001 count will still be very high compared to other years by the end of the count season (July 31).

Steelhead passage at Bonneville Dam averaged 2,021 per day through the week ending July 5 with the steelhead count now at 41,295 which is 1.8 times the year 2000 count and 2.7 times greater than the 10-year average. A portion of these steelhead are passing the upstream dams; however, daily passage of steelhead at McNary Dam was reduced from the previous week. It is likely that some of the steelhead are now moving into the cooler tributaries that feed into the Bonneville pool. Daily counts at Ice Harbor Dam ranged between 340 and 446 for the week with the season total now at 7,029. Steelhead counts at Mid-Columbia projects remained fairly close to the previous week with about 40 fish per day now passing Priest Rapids Dam and moving upstream.

Adult sockeye passage at Bonneville Dam ranged from a high count 2,596 to a low of 1,173, and averaged 2,008 for the week ending July 5. The count through July 5 was 107,470; about 1.2 times and 3.1 times greater than the respective 2000 count and 10-year average count. Sockeye counted at McNary totaled 75,043 with most sockeye continuing up into the Mid-Columbia River to their destination spawning sites in Lake Wenatchee and Lake Osoyoos basins. Of the 15,500 sockeye past Rock Island Dam, about 7,000 have been counted at Rocky Reach Dam and would be destined for Lake Osoyoos. A small portion of the run will enter the Snake River with the Lower Granite count at 15 sockeye counted through July 5 (does not include video or night counts)

Hatchery Releases – See the Hatchery Release Summary for the previous two-week and next two week projected releases for the Columbia River Basin above Bonneville Dam.

Snake River – Releases of yearling and subyearling chinook, sockeye, and coho salmon and steelhead are completed for the 2001 migration season. The final release of subyearling fall chinook was completed this week.

Mid-Columbia [above McNary Dam] – Releases of yearling and subyearling chinook, sockeye, and coho salmon and steelhead are completed for the 2001 migration season. The last release of subyearling summer chinook was completed last Friday (June 29) from the Turtle Rock facility.

Lower Columbia [McNary Dam to above Bonneville Dam]– Releases of yearling and subyearling chinook and coho salmon, and steelhead are completed for the 2001 migration season.

7/06/01

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
06/22/01	96.5	0.1	88.8	0.0	89.8	6.8	92.6	0.0	101.1	0.0	115.7	35.9	101.8	25.2
06/23/01	52.6	0.1	59.8	0.0	65.4	5.0	65.4	0.0	71.0	0.0	91.3	28.2	89.2	23.6
06/24/01	47.4	0.1	42.2	0.0	43.8	3.4	42.5	0.0	46.9	0.0	64.3	20.0	60.2	14.6
06/25/01	87.9	0.1	87.7	0.0	89.4	7.1	90.1	0.0	95.6	0.0	102.2	32.1	90.3	22.0
06/26/01	80.0	0.1	82.4	0.0	86.4	7.4	86.8	0.0	90.5	0.0	102.9	31.9	92.3	22.4
06/27/01	93.9	0.1	95.1	0.0	98.7	7.6	96.6	0.0	99.3	0.0	113.0	35.1	109.6	26.1
06/28/01	81.1	0.1	85.1	0.0	92.1	6.5	90.9	0.0	93.5	0.0	102.3	31.8	96.2	23.6
06/29/01	78.2	0.1	85.3	0.0	90.1	6.5	85.4	0.0	91.0	0.0	108.8	33.8	99.7	23.7
06/30/01	85.7	0.1	80.6	0.0	83.0	6.1	81.0	0.0	84.8	0.0	95.8	29.8	90.6	21.8
07/01/01	60.8	0.1	62.4	0.0	64.3	5.0	65.6	0.0	71.7	0.0	96.5	29.9	89.3	21.4
07/02/01	81.5	0.1	84.2	0.0	89.3	6.8	92.2	0.0	94.6	0.0	98.8	30.8	86.1	20.9
07/03/01	77.4	0.1	78.9	0.0	84.6	6.7	83.1	0.0	88.8	0.0	110.7	34.4	101.3	24.5
07/04/01	39.1	0.1	39.8	0.0	46.7	3.9	45.0	0.0	47.2	0.0	56.5	17.5	58.9	14.4
07/05/01	57.8	0.1	---	---	58.9	4.5	60.5	0.0	64.5	0.0	68.7	21.3	55.7	13.4

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

Date	Dworshak		Brownlee Canyon		Granite		Goose		Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
06/22/01	1.7	0.0	6.8	7.7	30.4	0.0	32.8	0.0	34.6	0.0	34.7	0.0
06/23/01	1.7	0.0	5.8	7.5	26.7	0.0	27.2	0.0	28.4	0.0	27.9	0.0
06/24/01	1.7	0.0	7.0	7.0	20.5	0.0	19.8	0.0	20.5	0.0	18.0	0.0
06/25/01	1.7	0.0	6.6	7.8	29.5	0.0	28.5	0.0	27.7	0.0	28.1	0.0
06/26/01	1.7	0.0	7.3	7.9	29.6	0.0	31.9	0.0	35.0	0.0	34.0	0.0
06/27/01	1.7	0.0	7.0	7.6	24.2	0.0	23.2	0.0	24.5	0.0	24.8	0.0
06/28/01	1.7	0.0	8.1	7.8	26.0	0.0	26.1	0.0	26.9	0.0	26.2	0.0
06/29/01	1.7	0.0	7.5	7.6	27.9	0.0	28.8	0.0	29.4	0.0	28.7	0.0
06/30/01	1.8	0.0	8.0	7.7	22.9	0.0	24.1	0.0	24.7	0.0	23.4	0.0
07/01/01	1.8	0.0	7.1	7.1	23.6	0.0	24.6	0.0	25.3	0.0	25.3	0.0
07/02/01	4.3	0.0	8.2	9.2	24.9	0.0	25.1	0.0	25.6	0.0	23.8	0.0
07/03/01	5.0	0.0	7.2	9.2	25.1	0.0	26.7	0.0	29.2	0.0	28.8	0.0
07/04/01	5.0	0.0	6.8	11.1	26.3	0.0	26.2	0.0	26.4	0.0	26.4	0.0
07/05/01	6.5	0.0	---	---	25.4	0.0	25.6	0.0	25.6	0.0	23.7	0.0

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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
06/22/01	145.4	0.0	133.5	0.0	132.4	0.0	138.0	0.0	21.2	108.2
06/23/01	118.0	0.0	129.9	0.0	134.0	0.0	129.7	0.0	27.2	93.9
06/24/01	102.7	0.0	100.4	0.0	103.6	0.0	117.9	0.0	18.0	91.3
06/25/01	94.9	0.0	100.2	0.0	104.5	0.0	117.7	0.0	17.8	91.3
06/26/01	133.7	0.0	125.6	0.0	121.9	0.0	117.2	0.0	15.1	93.5
06/27/01	110.0	0.0	115.6	0.0	117.9	0.0	129.3	0.0	16.1	104.6
06/28/01	125.2	0.0	123.9	0.0	127.3	0.0	129.3	0.0	16.2	104.5
06/29/01	135.3	0.0	140.9	0.0	143.7	0.0	134.4	0.0	20.6	105.2
06/30/01	111.3	0.0	101.5	0.0	100.5	0.0	112.5	0.0	8.2	95.8
07/01/01	93.1	0.0	83.5	0.0	85.6	0.0	100.7	0.0	2.1	90.0
07/02/01	112.2	0.0	120.9	0.0	127.4	0.0	122.6	0.0	15.2	98.8
07/03/01	124.0	0.0	124.6	0.0	126.2	0.0	126.3	0.0	23.5	94.3
07/04/01	104.2	0.0	99.0	0.0	100.7	0.0	102.6	0.0	3.2	90.9
07/05/01	85.0	0.0	84.1	0.0	84.7	0.0	97.2	0.0	0.6	88.1

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				Fish with L. Line GBT	
								Rank 1	Rank 2	Rank 3	Rank 4	Num Fish	Avg. Rank
Lower Granite Dam													
	06/26/01	Yearling Chinook	1	0	0	0.00%	0.00%	0	0	0	0	0	0
	06/26/01	Steelhead	99	0	0	0.00%	0.00%	0	0	0	0	0	0
Little Goose Dam													
	06/27/01	Steelhead	10	0	0	0.00%	0.00%	0	0	0	0	0	0
Lower Monumental Dam													
McNary Dam													
	06/28/01	Subyearling Chinook	97	0	0	0.00%	0.00%	0	0	0	0	0	0
	06/28/01	Yearling Chinook	3	0	0	0.00%	0.00%	0	0	0	0	0	0
	07/02/01	Subyearling Chinook	100	0	0	0.00%	0.00%	0	0	0	0	0	0
	07/05/01	Subyearling Chinook	98	6	0	0.00%	0.00%	0	0	0	0	6	1
	07/05/01	Yearling Chinook	2	1	0	0.00%	0.00%	0	0	0	0	1	1
Bonneville Dam													
	06/26/01	Subyearling Chinook	100	0	0	0.00%	0.00%	0	0	0	0	0	0
	06/29/01	Subyearling Chinook	100	0	0	0.00%	0.00%	0	0	0	0	0	0
	07/03/01	Subyearling Chinook	100	0	0	0.00%	0.00%	0	0	0	0	0	0
Rock Island Dam													
	06/26/01	Yearling Chinook	9	0	0	0.00%	0.00%	0	0	0	0	0	0
	06/26/01	Steelhead	55	2	2	3.63%	0.00%	2	0	0	0	0	0
	06/28/01	Subyearling Chinook	38	2	0	0.00%	0.00%	0	0	0	0	2	1
	07/02/01	Subyearling Chinook	33	1	0	0.00%	0.00%	0	0	0	0	1	1
	07/05/01	Subyearling Chinook	51	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

Date	Hungry H. Dnst			#	Boundary			#	Grand Coulee			#	Grand C. Tlwr			#	Chief Joseph			#
	24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High	
6/22	106	107	109	24	107	108	109	24	108	108	109	24	106	106	107	23	107	107	107	24
6/23	106	107	109	24	108	108	109	24	108	108	109	24	106	107	108	24	107	107	107	24
6/24	107	108	109	24	107	108	109	24	108	108	108	24	106	106	108	22	106	107	107	23
6/25	107	107	109	24	107	108	108	24	107	108	108	20	105	106	106	24	106	107	107	23
6/26	107	107	109	23	107	107	108	24	108	108	108	24	106	106	107	23	106	107	107	24
6/27	106	106	106	24	107	107	107	24	108	108	108	24	106	107	108	24	106	106	107	23
6/28	106	106	106	24	106	106	108	24	107	107	108	24	106	106	107	22	106	106	110	23
6/29	105	105	106	24	105	106	107	24	107	107	108	24	106	106	107	22	106	107	107	23
6/30	105	105	105	23	106	107	107	24	107	108	108	24	106	106	107	22	107	107	107	24
7/1	105	105	106	24	106	107	108	24	107	107	108	24	106	107	108	22	107	107	108	23
7/2	107	108	108	24	107	107	108	24	107	107	108	24	106	106	107	22	108	108	109	23
7/3	107	108	108	24	107	109	109	24	107	107	107	24	106	107	107	23	108	108	109	23
7/4	108	108	108	24	108	109	110	24	108	108	108	24	107	107	108	19	108	109	109	23
7/5	108	108	108	24	108	109	110	24	108	108	108	24	106	106	107	4	108	109	110	23

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	Chief J. Dnst			#	Wells			#	Wells Dwnstrm			#	Rocky Reach			#	Rocky R. Tlwr			#
	24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High	
6/22	107	108	109	24	108	108	108	10	109	109	109	10	109	109	110	23	114	114	144	14
6/23	109	109	109	24	---	---	---	0	---	---	---	0	109	109	109	24	109	110	111	24
6/24	108	109	109	23	---	---	---	0	---	---	---	0	109	109	109	24	109	109	110	24
6/25	107	108	108	23	106	106	106	16	108	108	109	16	108	108	109	18	108	108	108	17
6/26	107	108	109	24	106	107	108	24	108	109	109	24	108	108	108	23	108	108	108	22
6/27	108	109	109	23	106	106	107	21	108	108	109	21	108	108	108	22	107	108	113	18
6/28	107	108	108	23	105	106	107	24	107	107	108	24	107	107	108	20	145	145	145	1
6/29	107	107	108	23	106	107	108	23	108	108	109	23	107	108	108	23	144	144	144	1
6/30	107	107	108	24	107	107	108	23	108	109	109	23	109	109	109	18	---	---	---	0
7/1	106	107	108	23	107	107	108	22	109	109	109	22	108	108	109	19	---	---	---	0
7/2	107	108	109	23	107	107	108	20	108	109	109	20	109	109	110	21	---	---	---	0
7/3	108	109	110	23	108	108	109	24	109	110	110	24	109	110	110	21	143	143	143	1
7/4	108	109	110	23	109	109	110	22	110	110	111	22	110	110	110	20	---	---	---	0
7/5	108	109	110	23	109	110	111	23	110	111	111	23	110	110	111	21	112	112	124	9

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	Rock Island			#	Rock I. Tlwr			#	Wanapum			#	Wanapum Tlwr			#	Priest Rapids			#
	24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High		24 h Avg	12 h Avg	High	
6/22	108	109	109	24	110	110	110	24	109	110	110	24	110	110	112	24	111	111	112	24
6/23	107	108	109	23	109	109	110	23	108	109	109	24	110	110	111	24	109	109	110	24
6/24	107	108	108	24	109	109	110	24	107	107	109	24	109	109	109	24	108	108	108	24
6/25	106	107	108	23	108	108	109	23	108	109	110	24	109	110	111	24	107	108	109	24
6/26	107	107	108	21	108	109	109	21	110	110	112	24	111	111	111	24	109	110	111	24
6/27	106	106	107	22	107	108	108	21	---	---	---	0	---	---	---	0	---	---	---	0
6/28	105	105	106	11	106	107	107	24	---	---	---	0	---	---	---	0	---	---	---	0
6/29	---	---	---	0	107	107	107	24	---	---	---	0	---	---	---	0	---	---	---	0
6/30	---	---	---	0	107	107	108	20	---	---	---	0	---	---	---	0	---	---	---	0
7/1	---	---	---	0	107	107	107	22	---	---	---	0	---	---	---	0	---	---	---	0
7/2	108	108	108	8	108	108	109	23	---	---	---	0	---	---	---	0	---	---	---	0
7/3	107	108	108	23	109	109	109	23	---	---	---	0	---	---	---	0	---	---	---	0
7/4	108	109	109	23	109	109	109	23	---	---	---	0	---	---	---	0	---	---	---	0
7/5	108	109	109	23	109	109	110	23	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<u>Priest R. Dnst</u>				<u>Pasco</u>				<u>Dworshak</u>				<u>Clrwtr-Peck</u>				<u>Anatone</u>			
	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
6/22	111	111	112	24	109	110	110	24	105	106	107	24	---	---	---	0	103	105	107	24
6/23	110	111	116	24	108	109	110	24	105	106	108	24	---	---	---	0	103	105	106	24
6/24	108	108	109	24	106	107	107	24	104	104	106	24	101	102	102	24	100	102	102	24
6/25	107	108	110	24	103	104	105	24	104	105	106	24	102	104	105	24	101	103	105	24
6/26	109	110	110	24	106	106	107	24	104	105	106	23	103	104	105	23	102	103	105	24
6/27	---	---	---	0	106	107	107	24	104	105	108	23	102	103	104	24	101	102	103	24
6/28	---	---	---	0	105	106	107	24	105	106	107	24	102	104	105	24	102	104	105	24
6/29	---	---	---	0	107	108	109	23	106	107	108	24	---	---	---	0	103	105	106	24
6/30	---	---	---	0	108	108	109	24	104	105	106	24	---	---	---	0	103	105	107	24
7/1	---	---	---	0	107	108	108	24	104	105	106	24	103	105	106	24	103	105	106	23
7/2	---	---	---	0	107	108	108	24	103	104	108	24	103	105	107	24	103	105	107	24
7/3	---	---	---	0	108	108	108	24	103	103	104	24	104	106	108	24	103	106	109	24
7/4	---	---	---	0	108	109	109	23	103	103	104	24	104	106	108	24	103	106	109	24
7/5	---	---	---	0	108	109	111	24	102	102	103	23	103	104	106	23	102	103	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>		#	<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	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
6/22	102	105	107	24	107	107	110	24	103	103	104	23	100	100	102	24	100	101	102	24
6/23	102	104	105	24	106	107	108	24	102	103	104	24	101	102	103	24	101	101	101	24
6/24	100	101	102	24	106	106	107	24	102	103	103	24	102	103	103	24	101	102	102	24
6/25	101	104	106	22	106	108	110	24	103	104	105	24	104	107	109	24	101	103	104	24
6/26	100	100	101	23	107	108	111	23	104	104	105	23	108	110	114	22	104	105	105	23
6/27	100	101	103	23	104	105	106	24	103	103	105	24	108	109	110	24	103	104	105	24
6/28	102	104	106	24	102	103	104	24	101	101	102	24	104	105	107	23	102	102	103	23
6/29	102	105	107	24	102	103	104	23	100	100	101	23	103	105	107	24	102	103	103	24
6/30	103	105	107	24	102	104	109	23	99	100	100	22	107	108	111	24	103	104	104	24
7/1	102	104	106	24	101	102	104	24	99	99	100	24	103	105	108	24	102	102	103	24
7/2	102	104	106	24	110	113	116	24	101	102	102	24	106	109	111	24	103	104	104	24
7/3	103	105	107	24	112	114	115	24	102	103	104	24	110	111	112	23	103	104	104	23
7/4	103	106	107	24	111	113	114	24	103	104	104	24	110	110	112	24	103	103	104	24
7/5	102	104	105	23	106	107	109	24	101	102	102	24	102	103	107	23	101	101	102	23

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

Date	<u>Lower Mon.</u>				<u>L. Mon. Tlwr</u>				<u>Ice Harbor</u>				<u>Ice Harbor Tlwr</u>				<u>McNary-Oregon</u>			
	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
6/22	107	108	110	24	104	105	105	24	103	105	107	22	105	106	106	22	111	112	113	24
6/23	106	107	108	24	103	104	105	24	104	105	106	24	105	106	106	24	109	110	111	24
6/24	105	105	105	24	102	103	103	24	103	104	105	24	105	106	107	24	108	108	109	24
6/25	103	105	106	24	101	103	104	24	102	103	104	24	104	104	105	24	107	108	109	24
6/26	105	106	107	24	102	103	104	24	103	104	105	24	105	105	107	24	108	109	111	24
6/27	104	105	106	24	101	102	102	24	102	102	104	24	104	105	105	24	106	106	107	24
6/28	102	102	103	24	100	101	102	23	101	102	103	24	103	104	104	24	104	106	106	24
6/29	104	105	108	24	102	103	104	24	102	104	105	24	103	104	105	24	107	110	112	23
6/30	105	106	109	24	103	104	106	24	103	105	107	24	104	105	106	24	110	111	112	24
7/1	103	104	105	24	103	103	104	24	101	102	103	24	103	103	104	24	109	109	110	24
7/2	105	106	108	23	103	104	105	23	103	104	106	24	103	104	108	24	109	110	113	24
7/3	109	111	114	24	103	104	104	24	106	108	112	24	104	105	106	24	112	114	115	24
7/4	108	110	111	24	103	104	106	24	106	109	110	24	105	105	106	24	111	112	113	24
7/5	103	104	106	24	103	103	105	24	104	106	108	24	104	105	107	24	109	110	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

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>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>
	<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>		
6/22	109	110	112	24	108	109	109	24	102	102	103	17	102	102	103	17	101	101	102	24
6/23	110	110	110	24	109	109	109	24	102	103	103	22	103	103	104	22	101	101	101	24
6/24	108	109	109	24	108	108	109	24	102	102	103	23	103	103	104	24	100	101	101	23
6/25	107	107	109	24	107	107	108	24	103	104	106	21	103	103	104	21	100	101	101	23
6/26	108	110	111	24	107	107	108	24	105	105	107	23	103	104	104	24	102	103	104	17
6/27	107	108	109	24	106	107	107	24	105	106	107	23	104	104	104	24	103	103	104	23
6/28	104	104	104	24	104	104	104	24	101	102	103	23	102	102	103	23	102	102	102	23
6/29	106	108	110	23	104	105	106	23	101	102	102	24	101	101	102	24	102	102	102	24
6/30	109	110	114	24	106	107	108	24	101	102	102	24	101	102	102	24	102	102	102	24
7/1	107	107	110	24	106	106	106	24	100	101	101	23	101	101	102	24	101	101	101	23
7/2	109	110	111	24	106	107	107	20	101	102	103	23	101	101	102	24	101	102	102	23
7/3	111	113	113	24	107	108	109	24	103	105	107	23	102	102	103	24	102	102	103	23
7/4	111	112	113	24	108	108	109	24	104	105	105	23	103	103	104	24	103	103	103	23
7/5	108	108	109	24	107	107	107	24	101	102	103	23	102	102	103	24	102	102	103	23

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>Skamania</u>			<u>CamasWashugal</u>							
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>
	<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>		
6/22	102	102	103	23	102	102	103	24	102	102	103	24	102	102	103	24	104	105	105	24
6/23	101	101	102	24	101	102	102	24	102	102	103	24	102	102	102	24	103	104	105	24
6/24	100	100	101	24	100	101	101	23	101	102	102	23	101	101	101	23	102	102	103	24
6/25	100	101	101	24	100	100	101	23	101	102	103	23	100	101	101	23	102	103	104	24
6/26	102	103	103	24	101	101	101	23	101	102	103	23	101	101	102	23	102	102	103	24
6/27	103	103	104	24	101	101	101	23	101	102	103	23	101	102	103	23	101	102	102	23
6/28	102	102	102	24	100	101	101	23	101	101	101	23	101	101	101	23	101	102	103	24
6/29	102	102	103	24	101	102	102	24	102	102	103	24	101	102	102	24	102	104	104	24
6/30	102	102	103	24	102	102	102	24	102	102	103	24	102	102	102	24	103	104	104	24
7/1	101	102	102	24	101	101	101	23	102	102	103	23	101	102	102	23	103	104	104	23
7/2	101	102	102	24	101	101	102	23	102	103	103	23	102	102	102	23	103	105	105	24
7/3	102	103	103	24	102	102	103	23	102	103	104	23	102	102	103	23	104	105	106	24
7/4	103	103	104	22	102	102	102	23	102	103	103	23	102	102	103	23	103	104	105	24
7/5	103	103	103	24	101	101	101	23	101	102	103	23	101	101	101	23	102	103	104	24

HATCHERY RELEASE SUMMARY LAST TWO WEEKS

Hatchery Release Summary									
From:	6/22/01		to		7/5/01				
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Lyons Ferry	CH0	FA	2001	24,000	06-01-01	07-06-01	Big Canyon (Clearwater R)	Clearwater Rvr M F
Nez Perce Tribe	Lyons Ferry	CH0	FA	2001	500,000	05-23-01	06-22-01	Big Canyon (Clearwater R)	Clearwater Rvr M F
Nez Perce Tribe	Lyons Ferry	CH0	FA	2001	500,000	05-23-01	06-22-01	Cpt John Acclim Pd	Snake River
Nez Perce Tribe Total					1,024,000				
NMFS	Lyons Ferry	CH0	FA	2001	7,500	06-01-01	07-06-01	Pittsburg Landing	Snake River
NMFS Total					7,500				
WDFW	Ringold Springs	CH0	FA	2001	3,500,000	06-18-01	06-22-01	Ringold Springs H	Mid-Columbia River
WDFW	Turtle Rock	CH0	SU	2001	450,000	06-29-01	06-29-01	Turtle Rock H	Mid-Columbia River
WDFW	Turtle Rock	CH0	SU	2001	600,000	06-29-01	06-29-01	Turtle Rock H	Mid-Columbia River
WDFW	Wells	CH0	SU	2001	484,000	06-20-01	06-22-01	Wells H	Mid-Columbia River
WDFW Total					5,034,000				
Grand Total					6,065,500				

HATCHERY RELEASE SUMMARY NEXT TWO WEEKS

Hatchery Release Summary									
From:	7/6/01		to		7/19/01				
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Lyons Ferry	CH0	FA	2001	24,000	06-01-01	07-06-01	Big Canyon (Clearwater R)	Clearwater Rvr M F
Nez Perce Tribe Total					24,000				
NMFS	Lyons Ferry	CH0	FA	2001	7,500	06-01-01	07-06-01	Pittsburg Landing	Snake River
NMFS Total					7,500				
Grand Total					31,500				

CH = Chinook, ST = Steelhead, CO = Coho, SO = Sockeye, CT = Cutthroat Trout, CM = Chum

Two-Week Summary of Passage Indices

COMBINED YEARLING CHINOOK

Date	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
06/22/2001 *	---	---	---	0	80	129	150	18	5,113	8,750	1,535
06/23/2001	---	---	---	---	60	285	180	16	3,800	9,150	3,039
06/24/2001 *	---	---	---	---	240	531	102	6	4,500	4,770	2,264
06/25/2001	---	---	---	0	40	100	129	9	1,850	3,050	2,506
06/26/2001	---	---	---	0	40	241	180	11	2,800	2,150	2,712
06/27/2001	---	---	---	1	21	42	220	18	3,000	6,725	1,732
06/28/2001	---	---	---	1	20	31	180	55	2,900	5,700	1,113
06/29/2001	---	---	---	0	40	60	186	8	3,103	5,250	1,280
06/30/2001 *	---	---	---	---	40	55	84	3	3,620	5,600	1,538
07/01/2001	---	---	---	---	40	675	76	4	3,000	2,800	651
07/02/2001	---	---	---	---	40	90	24	3	1,400	2,010	741
07/03/2001	---	---	---	---	40	100	44	1	1,800	2,370	752
07/04/2001	---	---	---	---	700	83	282	1	2,500	3,570	287
07/05/2001	---	---	---	---	200	214	500	0	2,100	2,550	227
07/06/2001	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	2	1,601	2,636	2,337	153	41,486	64,445	20,377
# Days:	0	0	0	6	14	14	14	14	14	14	14
Average:	0	0	0	0	114	188	167	11	2,963	4,603	1,456
YTD	12,660	26,732	9,049	527	1,956,886	746,239	549,022	6,621	2,280,298	986,226	1,681,610

COMBINED SUBYEARLING CHINOOK

Date	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
06/22/2001 *	---	---	---	1	4,940	724	144	51	87,281	8,150	22,667
06/23/2001	---	---	---	---	12,160	1,584	60	122	188,200	8,760	28,218
06/24/2001 *	---	---	---	---	22,080	2,180	96	87	292,500	26,670	19,988
06/25/2001	---	---	---	0	7,180	610	60	217	500,000	35,800	18,419
06/26/2001	---	---	---	1	14,940	3,137	352	387	448,400	15,050	14,915
06/27/2001	---	---	---	0	11,940	2,151	90	520	491,100	54,350	23,832
06/28/2001	---	---	---	0	10,240	780	50	246	356,800	31,500	22,039
06/29/2001	---	---	---	0	6,620	600	84	243	327,697	22,150	28,503
06/30/2001 *	---	---	---	---	6,800	2,556	132	184	525,360	65,250	39,645
07/01/2001	---	---	---	---	4,140	1,485	196	200	665,200	28,100	19,842
07/02/2001	---	---	---	---	4,860	955	64	128	440,900	11,970	18,633
07/03/2001	---	---	---	---	9,260	886	136	310	588,100	41,970	31,198
07/04/2001	---	---	---	---	82,200	5,795	416	209	435,800	79,590	31,721
07/05/2001	---	---	---	---	46,200	7,381	500	110	214,600	55,900	20,060
07/06/2001	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	2	243,560	30,824	2,380	3,014	5,561,938	485,210	339,680
# Days:	0	0	0	6	14	14	14	14	14	14	14
Average:	0	0	0	0	17,397	2,202	170	215	397,281	34,658	24,263
YTD	1	1	13	31	475,220	36,689	10,594	4,916	6,915,687	623,995	1,692,616

*The total, #days and average do not include the current day's data. *See sampling comments. <http://www.fpc.org/current/daily/smpcomments.htm>. This means that one or more of the sites on this date had an incomplete or biased sample.

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.

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 COHO

Date	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
06/22/2001 *	---	---	---	0	460	308	36	169	700	600	1,122
06/23/2001	---	---	---	---	80	84	0	159	1,000	410	1,985
06/24/2001 *	---	---	---	---	120	0	0	103	100	240	2,135
06/25/2001	---	---	---	0	0	10	6	89	50	250	1,282
06/26/2001	---	---	---	0	380	100	20	86	100	200	590
06/27/2001	---	---	---	0	140	180	0	232	400	1,450	299
06/28/2001	---	---	---	0	60	80	0	278	1,400	450	390
06/29/2001	---	---	---	0	20	30	6	288	300	100	814
06/30/2001 *	---	---	---	---	120	100	0	144	400	150	1,569
07/01/2001	---	---	---	---	120	35	12	78	300	0	833
07/02/2001	---	---	---	---	40	30	4	39	200	120	613
07/03/2001	---	---	---	---	600	75	12	91	200	30	520
07/04/2001	---	---	---	---	3,960	470	50	69	500	270	160
07/05/2001	---	---	---	---	1,900	1,270	20	49	200	250	277
07/06/2001	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	8,000	2,772	166	1,874	5,850	4,520	12,589
# Days:	0	0	0	6	14	14	14	14	14	14	14
Average:	0	0	0	0	571	198	12	134	418	323	899
YTD	0	0	0	6	48,380	10,058	880	44,654	143,582	58,883	2,159,412

COMBINED STEELHEAD

Date	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
06/22/2001 *	---	---	---	9	5,720	6,913	1,848	98	2,706	200	649
06/23/2001	---	---	---	---	4,940	5,075	600	77	1,400	460	1,116
06/24/2001 *	---	---	---	---	3,620	574	468	86	1,600	360	712
06/25/2001	---	---	---	76	860	262	122	56	500	100	991
06/26/2001	---	---	---	18	5,980	1,028	1,724	106	1,100	250	707
06/27/2001	---	---	---	19	4,219	1,486	320	151	1,400	2,100	896
06/28/2001	---	---	---	8	4,780	1,415	190	77	2,500	750	557
06/29/2001	---	---	---	26	3,220	544	234	77	500	150	320
06/30/2001 *	---	---	---	---	4,980	1,212	268	46	820	450	677
07/01/2001	---	---	---	---	1,400	1,763	1,252	68	500	100	286
07/02/2001	---	---	---	---	1,500	1,247	328	30	400	60	256
07/03/2001	---	---	---	---	2,720	2,057	1,184	61	300	30	376
07/04/2001	---	---	---	---	7,860	7,187	5,742	51	400	330	287
07/05/2001	---	---	---	---	4,900	5,984	3,840	31	200	200	227
07/06/2001	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	156	56,699	36,747	18,120	1,015	14,326	5,540	8,057
# Days:	0	0	0	6	14	14	14	14	14	14	14
Average:	0	0	0	26	4,050	2,625	1,294	73	1,023	396	576
YTD	4,567	34,103	4,357	5,399	5,470,096	807,182	333,961	17,644	558,385	188,420	484,693

Two-Week Summary of Passage Indices

COMBINED SOCKEYE

Date	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
06/22/2001 *	---	---	---	0	0	0	6	0	1,000	1,750	6,257
06/23/2001	---	---	---	---	0	20	0	1	300	1,060	6,202
06/24/2001 *	---	---	---	---	0	0	0	0	300	510	1,811
06/25/2001	---	---	---	0	20	0	0	1	100	800	1,224
06/26/2001	---	---	---	0	0	10	0	4	200	850	707
06/27/2001	---	---	---	0	0	0	0	0	500	5,175	657
06/28/2001	---	---	---	0	0	20	0	1	400	1,350	390
06/29/2001	---	---	---	0	0	0	0	0	200	350	1,803
06/30/2001 *	---	---	---	---	0	0	0	2	100	250	1,753
07/01/2001	---	---	---	---	0	10	0	0	100	0	443
07/02/2001	---	---	---	---	0	10	0	1	100	120	358
07/03/2001	---	---	---	---	0	10	8	10	0	450	434
07/04/2001	---	---	---	---	0	29	4	5	100	1,560	383
07/05/2001	---	---	---	---	0	0	0	1	100	350	403
07/06/2001	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	20	109	18	26	3,500	14,575	22,825
# Days:	0	0	0	6	14	14	14	14	14	14	14
Average:	0	0	0	0	1	8	1	2	250	1,041	1,630
YTD	24	0	0	0	4,470	9,438	916	2,856	283,030	101,409	103,848

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)}

BO1 (Index) = Bonneville Dam First Powerhouse Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 1 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.

Cumulative Adult Passage at Mainstem Dams Through: 07/05

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2001		2000		10-Yr Avg.		2001		2000		10-Yr Avg.		2001		2000		10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	391,367	14,174	178,302	21,259	70,775	4,654	52,848	9,221	20,366	8,263	14,372	2,123	0	0	0	0	0	0
TDA	302,738	10,133	102,953	14,796	41,161	3,200	46,799	6,031	15,896	6,027	10,974	1,441	0	0	0	0	0	0
JDA	260,954	6,165	86,553	12,157	33,812	2,643	39,762	4,378	15,270	4,372	10,201	1,171	0	0	0	0	0	0
MCN	258,749	6,683	64,647	10,836	30,645	2,566	35,979	3,827	11,581	3,748	9,129	1,004	0	0	0	0	0	0
IHR	171,173	3,023	38,807	9,489	16,921	1,647	13,002	1,493	3,524	2,592	3,607	578	0	0	0	0	0	0
LMN	180,799	1,783	35,520	10,336	15,613	1,755	14,719	1,065	3,781	2,591	3,336	575	0	0	0	0	0	0
LGS	174,823	2,990	34,330	10,152	14,769	1,744	11,980	1,621	3,150	3,021	3,081	603	0	0	0	0	0	0
LWG	171,958	3,136	33,822	10,318	13,830	1,676	9,680	1,838	2,916	2,777	3,080	568	0	0	0	0	0	0
PRD	51,133	987	20,098	1,092	9,843	292	16,668	788	7,905	734	4,438	185	0	0	0	0	0	0
RIS	39,785	1,761	14,850	1,558	7,292	362	10,049	1,588	4,422	1,707	1,979	239	0	0	0	0	0	0
RRH	15,893	543	5,336	392	1,847	90	3,485	533	1,670	450	498	64	0	0	0	0	0	0
WEL	9,994	877	2,130	457	869	97	2,522	209	586	187	134	28	0	0	0	0	0	0

DAM	Coho						Sockeye			Steelhead			
	2001		2000		10-Yr Avg.		2001	2000	10-Yr Avg.	2001	2000	10-Yr Avg.	Wild 2001
	Adult	Jack	Adult	Jack	Adult	Jack							
BON	2	0	0	0	0	0	107,470	87,161	35,078	41,295	23,220	15,369	12,796
TDA	0	0	0	0	0	0	94,671	68,091	25,854	18,628	10,356	5,776	6,642
JDA	0	1	2	0	0	0	98,385	81,475	26,682	16,140	9,778	6,416	4,598
MCN	0	0	0	0	0	0	75,043	52,999	21,694	10,946	4,118	4,192	2,790
IHR	0	0	0	0	0	0	13	100	11	7,029	2,584	2,930	1,659
LMN	0	0	0	0	0	0	102	145	16	5,679	2,023	2,647	1,564
LGS	0	0	0	0	0	0	27	138	15	4,459	1,714	1,539	1,578
LWG	0	0	0	0	0	0	15	114	12	7,259	3,030	5,040	2,037
PRD	6	7	9	0	0	0	77,222	65,468	16,379	538	314	215	**
RIS	15	0	3	0	1	0	38,971	29,875	4,943	310	126	168	124*
RRH	24	0	7	0	0	0	15,440	16,662	2,352	241	130	121	90*
WEL	0	0	0	0	0	0	14,799	12,175	1,631	101	39	56	49

PRD data from Grant CO PUD's website and through 7/4; RIS, RRH data from Chelan CO PUD's website and through 7/2.
WEL data from Douglas CO PUD and through 7/3.

MCN is missing counts for 6/29; LMN, LGR are missing counts for 7/3.

* Wild Steelhead count from COE and through 6/23. **PRD is not reporting Wild Steelhead numbers.

These numbers were collected from the COE's Running Sums text files.

Wild steelhead numbers are included in the total.

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.

Two Week Transportation Summary

06/23/01 TO 07/06/01

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	243,560	1,601	8,000	20	56,699	309,880
	Sum of NumberBarged	242,927	1,593	7,973	20	56,450	308,963
	Sum of NumberBypassed	1	0	0	0	0	1
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of TotalProjectMortalities	632	8	27	0	249	916
LGS	Sum of NumberCollected	30,824	2,636	2,772	109	36,747	73,088
	Sum of NumberBarged	30,745	2,593	2,771	108	36,390	72,607
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of TotalProjectMortalities	79	43	1	1	357	481
LMN	Sum of NumberCollected	2,380	2,337	166	18	18,120	23,021
	Sum of NumberBarged	2,360	2,304	166	18	17,799	22,647
	Sum of NumberBypassed	0	15	0	0	32	47
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of TotalProjectMortalities	20	18	0	0	289	327
MCN	Sum of NumberCollected	5,561,938	41,486	5,850	3,500	14,326	5,627,100
	Sum of NumberBarged	5,475,892	46,585	8,787	3,971	14,521	5,549,756
	Sum of NumberBypassed	10,567	0	0	0	0	10,567
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of TotalProjectMortalities	17,873	511	265	71	817	19,537
Total Sum of NumberCollected		5,838,702	48,060	16,788	3,647	125,892	6,033,089
Total Sum of NumberBarged		5,751,924	53,075	19,697	4,117	125,160	5,953,973
Total Sum of NumberBypassed		10,568	15	0	0	32	10,615
Total Sum of Numbertrucked		0	0	0	0	0	0
Total Sum of TotalProjectMortalities		18,604	580	293	72	1,712	21,261

YTD Transportation Summary

TO: 07/06/01

Site	Data	Species					Grand Total
		CH0	CH1	CO	SO	ST	
LGR	Sum of NumberCollected	475,220	1,956,886	48,380	4,470	5,470,096	7,955,052
	Sum of NumberBarged	474,486	1,866,868	47,323	4,070	5,199,949	7,592,696
	Sum of NumberBypassed	1	79,198	976	221	265,274	345,670
	Sum of NumberTrucked	0	6,433	30	167	3,386	10,016
	Sum of TotalProjectMortalities	733	4,386	51	12	1,486	6,668
LGS	Sum of NumberCollected	36,710	748,367	10,078	9,440	808,893	1,613,488
	Sum of NumberBarged	36,626	742,436	9,898	9,378	799,805	1,598,143
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of NumberTrucked	0	898	0	28	336	1,262
	Sum of TotalProjectMortalities	84	3,103	30	24	4,284	7,525
LMN	Sum of NumberCollected	10,594	549,022	880	916	333,961	895,373
	Sum of NumberBarged	10,568	525,797	879	912	330,942	869,098
	Sum of NumberBypassed	0	16,478	0	0	511	16,989
	Sum of NumberTrucked	0	5,519	0	0	319	5,838
	Sum of TotalProjectMortalities	26	1,228	1	4	2,189	3,448
MCN	Sum of NumberCollected	6,868,484	2,207,069	137,925	267,562	548,863	10,029,903
	Sum of NumberBarged	5,880,021	1,002,118	73,602	125,844	229,618	7,311,203
	Sum of NumberBypassed	437,341	1,162,074	57,288	136,862	303,005	2,096,570
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of TotalProjectMortalities	19,966	5,880	586	508	3,890	30,830
Total Sum of NumberCollected		7,391,008	5,461,344	197,263	282,388	7,161,813	20,493,816
Total Sum of NumberBarged		6,401,701	4,137,219	131,702	140,204	6,560,314	17,371,140
Total Sum of NumberBypassed		437,342	1,257,750	58,264	137,083	568,790	2,459,229
Total Sum of NumberTrucked		0	12,850	30	195	4,041	17,116
Total Sum of TotalProjectMortalities		20,809	14,597	668	548	11,849	48,471