



## Fish Passage Center

# Weekly Report #00 - 27

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**NOTE: This is the last issue of the Weekly report. The next issue will be on **September 22** and will be BiWeekly into October.**

### SUMMARY OF EVENTS:

**Reservoir Operations:** The summer flow augmentation period for salmon ended on August 31, although fish passage continues beyond that date. The reservoirs continue to be operated for power generation and various fish needs. A summary of actual elevations on September 7, and full pool elevations is shown in the following table:

Project	Actual September 7 Elevation in [ft]	Actual Elevation on June 30 & Full Pool Elevation in [ft]&Actual Elevation on August 31
<i>Libby</i>	2434.89	2418.1/2459.0/2434.89
<i>Hungry Horse</i>	3539.75	3558.3/3560.0/3539.75
<i>Grand Coulee</i>	1280.4	1279.0/1290.0/1280.4
<i>Brownlee</i>	2047.13*	2072.06/2077.0/2047.13*
<i>Dworshak</i>	1520.07	1598.6/1600.0/1520.07

\* as of August 30

*Libby* reservoir was drafted from elevation of 2434.78 ft on September 1 to elevation 2434.27 ft on September 7 with inflows in the range of 4.6 kcfs to 6.7 kcfs for the same period. The reservoir continues to be managed at steady flow of 8 kcfs for bull trout requirements.

*Hungry Horse* finished drafting for summer flow augmentation. The reservoir was operated at outflow of 1.6 kcfs-2.43 kcfs during September 1-7.

*Grand Coulee* was operated with outflows in the range of 54.7 kcfs and 96.9 kcfs with elevations fluctuating between 1280.6 ft and 1279.8 ft for the period of September 1-7. The reservoir is planned to be held at elevation of 1280-1283 ft during September for kokanee artificial propagation programs.

*Brownlee* reservoir continued to refill from 2047.57 ft on September 1 to 2051.71 ft on Sep-

tember 6. Inflows to reservoir fluctuated between 12.99 kcfs and 16.51 kcfs for the period of September 1-6. Outflow from Hells Canyon Dam for the past week, fluctuated from 6.41 kcfs on September 3 to 13.35 kcfs on September 7.

*Dworshak* reached the Biological Opinion reservoir target of 1520 on August 30. The outflow was fluctuating in the range of 1.5 kcfs-1.6 kcfs for the period of September 1-7. Inflows to the reservoir fluctuated from 1 kcfs-1.6 kcfs for the period of September 1-7.

*Upper Snake reservoirs:* As of September 7, the Upper Snake system was further drafted to 39% of capacity. American Falls is at 15% of the full capacity, and Palisades and Jackson Lake are at 31% and 82% of the full capacity respectively. The irrigation demands in the system are decreasing and current flow at diversions at Palisades and Minidoka are 6.7 kcfs and 7.2 kcfs, respectively. Salmon flow augmentation from American Falls has been delivered and currently the outflow from Milner is 0.687 kcfs.

*Boise and Payette River Basins:* As of September 7, the Boise River system was operated for flood control and repair work at Arrowrock reservoir with inflow in Snake River of about 1.3 kcfs.

As of September 7, Payette river is at 63% of capacity.

**Streamflow:** The daily average flows for run-of-river for September 1-7 period continued to decrease compared with the previous week at Lower Granite, McNary and Bonneville. A summary of the weekly average flows and the range of daily average flows are given in the following Table:

Project	Average daily discharge and range [kcfs]	
	September 1-7	August 25-31
<i>Priest Rapids</i>	85.03 (61.2-106)	95.9 (52.3-125.6)
<i>McNary</i>	104.5 (84.3-127.0)	113.9 (82.0-130.4)
<i>Lower Granite</i>	18.47 (14.6-26.8)	21.3 (18.1-23.9)
<i>Bonneville</i>	112.9 (99.3-139.7)	120.5 (100.5-148.0)

**Smolt Monitoring Program.** Snake River basin: Subyearling chinook passage indices were nearly the same as last week's average at Lower Granite Dam, with about 2,000 subyearling chinook being collected per day this week. The exception to this was on September 7 when the passage index doubled to 3,440 fish in response to increased flows at Lower Granite after the Labor Day weekend. This week saw subyearling chinook passage indices at Little Goose and Lower Monumental dams dropped an average of 16% and 7%, respectively, from last week's level. Mid-Columbia River: Monitoring at Rock Island Dam ended on August 31. Lower Columbia River: Subyearling chinook passage indices at McNary Dam dropped an average of approximately 28% from last week's level, resulting in approximately 4,500 subyearling chinook being collected per day this week. Subyearling chinook passage indices at John Day Dam increased approximately 70% this week averaging about 2150 fish per day. Subyearling chinook passage indices at Bonneville Dam continue to be unrepresentatively low, since virtually no flow is passing through Powerhouse 2 where the sampling facility is located.

**Adult fish passage** – At Bonneville Dam, passage of adult fall chinook salmon had daily counts ranging between 5,000 and 9,000 for the week ending September 6. The cumulative count of adult fall chinook was 128174, about 104% and 143% of the respective 1999 and 10-year average. The upriver bright stocks still comprise the majority of fall chinook passing the project. The "tule" component of the run accounted for about 19% of the adult fall chinook count during the week. The cumulative counts of adult "upriver bright" chinook at The Dalles Dam [76,377], John Day Dam [58,290] and McNary Dam [35,638] were still well above the 1999 and 10-year averages at these dams. For this Report week, turnoff into the Snake River

averaged 125 chinook adults per day at Ice Harbor Dam (season total = 2,465) with the Mid-Columbia count at Priest Rapids averaging greater than 1,500 per day and a season total of 19,536.

Steelhead passage at Bonneville Dam was fairly level through the week with this portion of the steelhead passage considered B-Run fish, generally larger-sized steelhead that have spent 2-years in the ocean. Most of the B-Run fish are destined for the Snake River basin, or further the Clearwater River. The counts averaged near 3,000 per day this week at Bonneville. The cumulative count through September 6 was 219,385. This count was 131% and 134% of the respective 1999 and 10-year average. The cumulative count at The Dalles Dam was 116,585, about 102,000 steelhead difference still exists between Bonneville and The Dalles count minus one steelhead caught at Drano Lake [Idaho fish] by this field sampler. During this week, the daily counts at The Dalles exceeded the Bonneville counts as steelhead from the Bonneville tributaries began migrating upriver with the lowering water temperatures in the mainstem Columbia River. Daily counts of steelhead at Ice Harbor Dam averaged 1,050 per day with a cumulative count of 27,071 through September 7; the Priest Rapids counts averaged 200 per day with a cumulative total of 6,153 through September 2.

Coho passage at Bonneville Dam averaged 2,900 per day through the week. The cumulative total through September 6 was 29,424, a 6- to 8-fold increase above the 1999 count and 10-year average at the project. Upstream passage at The Dalles Dam had daily counts between 400-900 with those fish bound for the Umatilla, Yakama, upper Columbia River, or the Snake River. In addition to these early arriving fish, a later run of Coho salmon will be arriving at Bonneville and upstream sites in late October and November. Survival of coho salmon appears vastly improved from returns in most of the 1990's. The adults are primarily from the 1999 migration season and spend 2 summers in the ocean.

Note: Fishing seasons for Tribal fishers and sports fishing have been established and removals via those fisheries will affect numbers of fish counted between the projects.

**Hatchery Releases** – A release of 85,000 juvenile sockeye into Lake Wenatchee was completed on August 28 from the net pens; the fish were acclimated about a month. Some of these fish have been in the sample at McNary Dam indicating a small portion are migrating this fall rather than emigrating from the Lake next spring. All remaining hatchery sockeye in the Columbia and Snake River basins will be released in October or early November 2000 preceding their migration to the ocean in 2001.

**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
08/25/00	84.4	0.1	85.9	0.0	89.7	8.3	88.5	0.0	88.7	11.8	94.9	33.6	97.2	50.1
08/26/00	57.8	0.1	61.3	0.0	58.6	5.2	56.2	0.0	57.9	11.7	80.9	29.3	83.6	42.4
08/27/00	80.6	0.1	71.8	0.0	75.3	5.8	75.7	0.0	76.1	11.8	61.7	22.1	52.3	27.1
08/28/00	99.8	0.1	107.2	0.0	107.4	7.3	108.7	0.0	106.6	11.8	116.1	41.7	118.3	60.4
08/29/00	108.5	0.1	105.1	0.0	103.4	7.0	103.1	0.0	101.2	11.8	101.7	36.6	103.9	53.5
08/30/00	101.9	0.1	109.2	0.0	110.9	7.6	111.6	0.0	112.8	11.8	126.4	45.6	125.6	64.9
08/31/00	98.9	0.1	97.5	0.0	98.2	7.4	94.4	0.0	93.6	11.8	88.2	1.8	90.7	2.0
09/01/00	85.1	0.1	92.1	0.0	93.6	7.2	96.2	0.0	98.5	3.7	103.7	1.9	106.0	2.0
09/02/00	66.2	0.1	66.5	0.0	67.8	1.7	69.5	0.0	65.7	0.0	65.6	2.0	66.1	2.0
09/03/00	54.7	0.1	57.3	0.0	58.0	1.7	58.7	0.0	58.0	0.0	59.2	2.0	61.2	2.1
09/04/00	80.0	0.1	75.7	0.0	77.1	1.7	79.7	0.0	76.5	0.0	75.8	2.0	74.7	2.0
09/05/00	88.2	0.1	91.2	0.0	91.2	1.6	90.6	0.0	91.1	0.0	100.7	2.0	102.0	2.0
09/06/00	96.9	0.1	98.4	0.0	99.1	0.8	100.6	0.0	100.2	0.0	99.6	2.0	102.0	1.4
09/07/00	78.5	0.1	80.4	0.0	81.5	0.4	85.2	0.0	81.0	0.0	86.5	1.8	83.2	1.8

**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
08/25/00	10.8	0.0	12.0	6.8	23.7	0.0	23.6	0.0	25.2	0.0	26.5	19.4
08/26/00	9.3	0.0	12.3	7.0	24.2	0.0	22.9	0.0	25.0	0.0	27.6	22.0
08/27/00	8.5	0.0	11.1	7.0	20.6	0.0	21.1	0.0	22.0	0.0	23.2	17.4
08/28/00	8.5	0.0	11.7	11.5	23.9	0.0	23.0	0.0	24.9	0.0	27.2	21.5
08/29/00	4.4	0.0	11.8	11.2	20.0	0.0	19.4	0.0	20.3	0.0	22.4	16.9
08/30/00	4.0	0.0	12.4	9.4	18.1	0.0	16.8	0.0	16.7	0.0	20.7	15.1
08/31/00	4.1	0.0	12.6	7.3	18.3	0.0	19.1	0.0	19.8	0.0	20.8	15.0
09/01/00	1.6	0.0	13.3	7.0	19.7	0.0	19.8	0.0	21.8	0.0	21.9	0.0
09/02/00	1.5	0.0	13.0	6.4	15.2	0.0	15.6	0.0	15.6	0.0	14.2	0.0
09/03/00	1.5	0.0	14.7	9.0	14.5	0.0	15.3	0.0	17.2	0.0	17.9	0.0
09/04/00	1.5	0.0	16.1	12.7	14.8	0.0	15.0	0.0	15.8	0.0	16.2	0.0
09/05/00	1.6	0.0	16.5	11.2	14.6	0.0	15.0	0.0	15.1	0.0	13.2	0.0
09/06/00	1.6	0.0	---	---	23.7	0.0	22.9	0.0	24.7	0.0	23.7	0.0
09/07/00	1.6	0.0	---	---	26.8	0.0	25.4	0.0	26.0	0.0	26.8	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		
08/25/00	115.6	0.0	102.6	29.8	96.1	38.5	100.5	60.7	26.5	4.1
08/26/00	115.8	0.0	99.0	26.7	102.5	40.5	115.4	75.3	26.4	4.5
08/27/00	82.0	0.0	96.3	38.2	95.8	38.3	101.8	62.1	26.1	4.3
08/28/00	94.0	0.0	95.6	37.0	90.2	36.0	112.8	67.1	32.1	4.4
08/29/00	129.5	0.0	120.1	48.2	120.9	48.5	128.0	74.5	36.5	7.8
08/30/00	130.4	0.0	139.5	40.1	137.1	55.1	148.0	86.1	47.2	5.5
08/31/00	129.9	0.0	124.5	39.0	124.0	50.9	136.7	79.8	42.7	5.0
09/01/00	104.7	0.0	104.6	1.4	102.1	0.0	102.2	0.0	68.3	24.7
09/02/00	109.9	0.0	118.4	1.0	120.9	0.0	132.5	0.0	66.6	56.7
09/03/00	93.9	0.0	99.4	1.0	100.3	0.0	104.5	0.0	63.8	31.5
09/04/00	84.3	0.0	91.7	1.0	94.0	0.0	99.4	0.0	60.5	29.7
09/05/00	104.1	0.0	101.3	1.0	101.3	0.0	99.3	0.0	59.5	30.6
09/06/00	107.8	0.0	106.6	1.1	104.3	0.0	112.8	0.0	57.7	45.9
09/07/00	127.0	0.0	124.2	1.0	129.8	0.0	139.7	0.0	66.0	64.5

## 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	#	24 h		12 h	#
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
8/25	---	---	---	0	105	105	105	24	112	113	113	24	113	115	117	24	109	110	111	22
8/26	---	---	---	0	106	106	108	24	113	113	113	24	117	118	120	24	109	110	110	23
8/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/28	---	---	---	0	112	113	114	24	112	112	112	24	112	114	116	24	109	110	115	20
8/29	---	---	---	0	112	113	114	24	112	113	113	24	111	113	117	24	106	108	113	19
8/30	104	104	105	10	111	111	112	24	113	113	113	24	112	113	115	24	109	111	116	22
8/31	104	105	106	24	111	112	112	24	113	114	114	24	113	116	117	24	110	113	132	20
9/1	105	105	106	24	107	108	109	24	112	113	113	24	113	114	116	24	108	111	126	22
9/2	104	105	105	24	108	108	109	24	112	112	112	24	115	116	117	24	107	108	110	22
9/3	103	103	104	24	108	108	108	24	105	105	107	24	114	115	117	24	108	109	125	23
9/4	103	103	104	24	107	108	108	24	108	110	111	24	111	113	116	24	107	109	117	23
9/5	103	104	104	24	108	109	111	24	110	111	111	24	111	112	114	24	106	107	112	23
9/6	102	102	103	24	111	112	114	24	109	110	111	24	110	112	116	24	107	109	122	20
9/7	102	103	104	24	108	109	110	24	108	109	110	24	108	109	112	24	108	108	109	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		12 h	#	24 h		12 h	#	24 h		12 h	#	24 h		12 h	#	24 h		12 h	#
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
8/25	111	111	112	23	109	110	110	24	111	111	112	24	108	108	108	20	107	107	108	8
8/26	110	111	112	23	109	109	109	22	110	110	111	22	108	108	109	22	---	---	---	0
8/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/28	107	108	108	23	106	107	107	17	108	108	109	17	107	108	108	21	107	107	108	14
8/29	108	109	109	23	107	107	108	22	108	109	110	22	108	108	109	19	108	108	109	16
8/30	109	109	110	23	107	107	108	24	108	109	110	24	108	108	108	22	108	108	108	20
8/31	109	109	109	23	108	109	109	22	109	110	110	22	108	109	109	23	108	108	109	21
9/1	108	108	109	23	107	107	107	24	108	109	109	24	107	107	108	19	107	108	108	18
9/2	108	108	108	23	105	105	106	24	106	106	107	24	106	106	107	23	106	107	107	23
9/3	107	107	107	23	104	105	105	24	105	105	106	24	105	106	106	24	106	106	106	22
9/4	106	106	106	23	104	105	106	23	104	105	106	23	105	106	106	24	105	106	106	23
9/5	106	106	107	23	105	105	105	22	105	105	106	22	105	105	106	20	104	105	105	20
9/6	107	107	108	23	104	104	105	21	104	105	105	21	105	105	105	24	104	104	104	22
9/7	108	108	108	23	106	107	108	22	106	107	108	22	105	106	106	24	105	106	106	23

### 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	#	24 h		12 h	#
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
8/25	104	106	107	21	---	---	---	0	108	109	109	24	113	114	115	24	113	113	114	24
8/26	102	103	106	22	112	112	112	1	106	106	107	24	112	113	117	24	113	113	114	24
8/27	---	---	---	0	---	---	---	0	103	104	104	24	110	112	113	24	111	111	112	24
8/28	103	104	105	21	---	---	---	0	105	106	110	17	112	112	114	11	112	113	114	24
8/29	104	106	106	21	---	---	---	0	106	107	107	24	112	113	116	24	116	116	117	24
8/30	104	106	106	22	---	---	---	0	110	111	112	24	116	117	119	24	115	116	117	24
8/31	105	105	106	24	---	---	---	0	110	110	110	24	111	112	118	24	116	117	117	24
9/1	104	104	105	22	---	---	---	0	106	106	107	24	107	107	108	24	112	113	115	24
9/2	102	103	104	24	---	---	---	0	106	106	106	24	107	107	107	24	109	110	110	24
9/3	101	101	102	22	---	---	---	0	105	106	107	24	106	106	107	24	109	109	109	24
9/4	102	103	104	24	---	---	---	0	105	106	107	24	106	106	106	24	109	110	111	24
9/5	103	103	103	20	---	---	---	0	104	105	106	23	105	106	106	24	109	109	110	21
9/6	101	102	103	22	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
9/7	102	103	104	23	---	---	---	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 Lower Columbia and Snake River Sites

Date	Priest R. Dnst			Pasco			Dworshak			Clrwtr-Peck			Anatone			#				
	24 h	12 h	High	#	24 h	12 h	High	#	24 h	12 h	High	#	24 h	12 h	High		#			
	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr		Avg	Avg	hr	
8/25	118	120	121	24	---	---	---	0	---	---	---	0	102	103	104	24	101	103	105	24
8/26	117	119	123	24	---	---	---	0	---	---	---	0	102	103	104	24	101	103	105	24
8/27	111	113	115	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/28	118	120	123	22	---	---	---	0	---	---	---	0	101	103	104	24	101	104	106	24
8/29	121	121	123	9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/30	---	---	---	0	109	110	111	24	---	---	---	0	103	104	106	23	102	104	106	24
8/31	116	116	121	24	109	110	111	24	---	---	---	0	103	105	106	24	101	103	106	24
9/1	111	112	114	24	107	107	108	24	---	---	---	0	100	100	101	24	100	100	101	24
9/2	110	110	110	24	104	104	105	24	---	---	---	0	100	100	100	24	100	101	103	24
9/3	109	109	110	24	102	103	103	24	---	---	---	0	100	100	100	24	100	102	103	24
9/4	109	110	110	24	103	104	104	24	---	---	---	0	100	100	100	24	101	103	104	21
9/5	109	110	113	23	103	104	105	24	106	107	108	24	100	100	100	24	100	101	101	24
9/6	---	---	---	0	103	103	103	23	106	107	108	24	100	100	101	9	101	102	104	22
9/7	---	---	---	0	103	104	105	24	107	108	110	24	---	---	---	0	102	104	106	24

### Total Dissolved Gas Saturation Data at Snake River Sites

Date	Clrwtr-Lewiston			Lower Granite			L. Granite Tlwr			Little Goose			L. Goose Tlwr			#				
	24 h	12 h	High	#	24 h	12 h	High	#	24 h	12 h	High	#	24 h	12 h	High		#			
	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr		Avg	Avg	hr	
8/25	103	105	106	24	104	105	106	24	101	102	102	24	99	100	100	24	98	99	100	24
8/26	102	104	106	24	102	103	103	24	102	102	102	24	99	99	100	24	98	98	99	24
8/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/28	100	101	101	24	103	105	106	24	101	102	102	24	100	101	103	24	99	100	103	24
8/29	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/30	100	100	100	12	103	104	105	24	101	102	103	24	99	99	101	24	98	98	98	24
8/31	---	---	---	0	103	104	105	24	101	102	102	24	99	100	100	24	98	99	99	24
9/1	---	---	---	0	103	103	105	21	100	100	101	24	99	99	100	24	98	99	99	24
9/2	---	---	---	0	104	104	105	21	101	101	101	21	99	99	101	24	98	99	99	24
9/3	---	---	---	0	105	108	110	24	101	102	104	24	101	102	105	24	98	99	99	24
9/4	---	---	---	0	104	104	106	21	101	101	103	21	99	100	101	21	99	99	100	24
9/5	---	---	---	0	100	101	101	24	99	100	100	24	97	98	98	24	98	98	98	24
9/6	---	---	---	0	100	103	106	23	97	97	98	24	97	97	98	21	97	97	97	24
9/7	---	---	---	0	102	105	110	24	98	99	100	23	99	100	101	24	98	98	99	15

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

Date	Lower Mon.			L. Mon. Tlwr			Ice Harbor			Ice Harbor Tlwr			McNary-Oregon			#				
	24 h	12 h	High	#	24 h	12 h	High	#	24 h	12 h	High	#	24 h	12 h	High		#			
	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr	Avg	Avg	hr		Avg	Avg	hr	
8/25	101	102	103	24	98	98	99	17	99	101	101	24	107	109	110	24	---	---	---	0
8/26	100	101	102	24	---	---	---	0	100	101	102	24	109	110	110	24	---	---	---	0
8/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/28	101	101	103	24	98	99	100	24	101	101	102	24	108	109	110	24	---	---	---	0
8/29	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/30	100	101	101	24	99	100	101	24	99	99	101	23	107	108	109	23	106	107	111	24
8/31	100	101	102	24	99	100	101	24	99	100	104	24	106	107	109	24	105	106	108	24
9/1	101	102	103	24	99	99	100	24	99	100	101	24	100	102	106	24	103	104	105	24
9/2	101	101	103	24	99	99	100	24	99	100	100	24	100	101	102	24	102	103	104	24
9/3	100	100	101	24	98	99	100	18	99	99	99	24	99	100	102	24	102	103	104	24
9/4	99	99	100	24	---	---	---	0	98	99	104	24	100	101	102	24	102	103	104	24
9/5	98	99	100	23	98	98	100	11	99	100	102	24	99	100	101	24	101	102	103	24
9/6	97	98	100	24	97	98	99	24	98	99	100	23	99	100	104	24	102	104	106	24
9/7	100	100	101	24	99	100	101	24	99	100	101	24	99	100	101	24	104	106	108	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	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	AVG	High	#			
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
8/25	---	---	---	0	---	---	---	0	100	100	101	23	109	115	117	24	103	104	105	23
8/26	---	---	---	0	---	---	---	0	99	99	100	23	108	114	118	24	103	104	105	23
8/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/28	---	---	---	0	---	---	---	0	100	102	104	23	114	115	117	24	102	104	105	23
8/29	---	---	---	0	---	---	---	0	101	102	103	23	115	116	118	24	106	107	108	20
8/30	106	107	110	24	103	104	104	21	101	102	104	23	110	118	118	24	106	106	107	19
8/31	106	107	108	24	104	105	105	24	101	101	101	23	111	117	119	24	106	109	111	22
9/1	103	103	104	24	103	103	103	24	100	100	100	23	102	103	107	24	106	107	107	19
9/2	103	103	104	24	103	103	103	24	99	100	100	23	101	102	102	24	102	103	105	20
9/3	102	102	103	24	102	102	103	24	99	99	100	23	102	102	103	24	99	99	99	22
9/4	102	103	104	24	101	102	102	24	99	100	101	23	101	102	103	23	98	99	99	19
9/5	102	102	102	24	101	102	102	24	98	99	99	23	101	102	103	24	99	99	99	12
9/6	100	101	104	22	100	101	101	24	98	98	99	23	101	102	104	24	99	99	99	18
9/7	102	102	103	24	101	102	102	24	99	100	100	23	101	102	103	23	100	100	101	23

### Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	The Dalles Dnst			Bonneville			Warrendale			Skamania			CamasWashugal							
	24 h	12 h	#	24 h	12 h	#	24h	12h	#	24h	12h	#	24h	12h	AVG	High	#			
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
8/25	111	112	112	24	104	104	105	23	113	113	113	23	116	116	116	23	112	113	113	24
8/26	111	111	112	24	102	102	103	23	113	115	117	23	117	118	120	23	110	111	112	24
8/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
8/28	111	112	112	24	101	102	102	23	111	112	113	23	115	116	117	23	110	111	111	24
8/29	113	114	114	24	102	103	103	23	112	112	113	23	115	116	117	23	111	112	112	24
8/30	113	114	114	24	105	106	107	23	113	115	117	23	116	118	120	23	111	114	116	24
8/31	113	114	115	24	106	106	107	23	113	115	117	23	115	117	118	23	112	113	113	24
9/1	107	108	110	24	105	105	105	23	108	110	113	23	106	108	114	23	111	112	113	24
9/2	102	103	105	23	104	105	105	23	105	105	106	23	102	102	103	23	105	106	110	24
9/3	99	99	100	24	104	105	105	23	105	105	106	23	102	102	102	23	103	103	104	24
9/4	99	99	99	24	102	102	103	23	103	104	104	23	99	99	100	23	104	104	105	24
9/5	98	99	99	24	99	100	101	23	101	102	102	23	96	97	97	23	102	102	104	24
9/6	99	99	99	24	99	99	99	23	100	101	101	23	96	96	96	20	101	101	102	24
9/7	100	100	100	24	99	99	99	23	101	101	101	23	95	95	96	12	101	102	103	24

## 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)
08/25/00	---	---	---	---	0	1	5	0	0	0	0
08/26/00	---	---	---	---	0	0	4	0	0	0	0
08/27/00	---	---	---	---	0	1	3	0	0	0	0
08/28/00	---	---	---	---	0	1	1	0	0	0	0
08/29/00	---	---	---	---	0	1	1	0	0	0	0
08/30/00	---	---	---	---	0	1	2	0	0	0	0
08/31/00	---	---	---	---	0	0	1	0	0	0	0
09/01/00	---	---	---	---	8	1	2	---	0	0	0
09/02/00	---	---	---	---	0	1	0	---	0	0	0
09/03/00	---	---	---	---	8	0	2	---	0	0	0
09/04/00	---	---	---	---	0	0	0	---	0	0	0
09/05/00	---	---	---	---	4	0	1	---	0	0	0
09/06/00	---	---	---	---	0	0	0	---	0	0	0
09/07/00	---	---	---	---	0	0	1	---	0	0	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>7</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### 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)
08/25/00	---	---	---	---	1,116	250	283	37	4,735	2,185	0
08/26/00	---	---	---	---	1,312	278	237	20	7,100	1,176	178
08/27/00	---	---	---	---	2,608	341	229	21	5,730	1,264	93
08/28/00	---	---	---	---	2,200	360	188	16	6,770	473	87
08/29/00	---	---	---	---	2,108	293	207	33	6,710	1,007	0
08/30/00	---	---	---	---	2,008	444	154	36	4,360	1,046	65
08/31/00	---	---	---	---	2,484	210	186	38	8,220	1,854	103
09/01/00	---	---	---	---	2,356	230	175	---	7,090	1,808	0
09/02/00	---	---	---	---	1,940	359	268	---	7,350	1,693	357
09/03/00	---	---	---	---	2,164	281	222	---	4,840	2,224	477
09/04/00	---	---	---	---	2,580	238	172	---	5,210	2,244	207
09/05/00	---	---	---	---	1,956	255	119	---	2,460	2,935	211
09/06/00	---	---	---	---	1,584	237	142	---	2,670	3,243	359
09/07/00	---	---	---	---	3,440	220	286	---	1,880	863	589
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29,856</b>	<b>3,996</b>	<b>2,868</b>	<b>201</b>	<b>75,125</b>	<b>24,015</b>	<b>2,726</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,133</b>	<b>285</b>	<b>205</b>	<b>29</b>	<b>5,366</b>	<b>1,715</b>	<b>195</b>

\* 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)
08/25/00	---	---	---	---	0	5	7	0	0	0	0
08/26/00	---	---	---	---	4	9	5	0	0	0	0
08/27/00	---	---	---	---	0	8	6	0	0	0	0
08/28/00	---	---	---	---	0	4	5	0	0	0	0
08/29/00	---	---	---	---	4	6	7	0	0	0	0
08/30/00	---	---	---	---	0	4	4	0	0	0	0
08/31/00	---	---	---	---	8	8	8	0	0	0	0
09/01/00	---	---	---	---	0	5	3	---	0	0	0
09/02/00	---	---	---	---	4	3	7	---	0	0	0
09/03/00	---	---	---	---	4	2	3	---	0	0	0
09/04/00	---	---	---	---	8	5	2	---	0	0	0
09/05/00	---	---	---	---	12	5	0	---	0	0	0
09/06/00	---	---	---	---	0	4	1	---	0	0	0
09/07/00	---	---	---	---	8	1	2	---	0	0	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>69</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### 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)
08/25/00	---	---	---	---	60	4	42	0	0	0	0
08/26/00	---	---	---	---	20	3	13	0	0	0	0
08/27/00	---	---	---	---	12	4	7	0	0	7	0
08/28/00	---	---	---	---	4	4	2	1	0	0	0
08/29/00	---	---	---	---	8	2	4	0	0	10	0
08/30/00	---	---	---	---	16	5	10	0	0	0	0
08/31/00	---	---	---	---	4	3	6	0	0	0	0
09/01/00	---	---	---	---	12	3	8	---	0	0	0
09/02/00	---	---	---	---	12	3	11	---	0	0	0
09/03/00	---	---	---	---	12	2	15	---	0	0	0
09/04/00	---	---	---	---	16	3	8	---	0	0	0
09/05/00	---	---	---	---	36	2	7	---	0	0	0
09/06/00	---	---	---	---	12	3	2	---	0	30	0
09/07/00	---	---	---	---	32	2	3	---	0	0	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>256</b>	<b>43</b>	<b>138</b>	<b>1</b>	<b>0</b>	<b>47</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>3</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>

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)
08/25/00	---	---	---	---	4	3	0	1	75	47	0
08/26/00	---	---	---	---	8	6	1	0	70	51	0
08/27/00	---	---	---	---	16	4	2	0	140	11	0
08/28/00	---	---	---	---	12	3	2	0	60	0	0
08/29/00	---	---	---	---	8	4	2	0	80	0	0
08/30/00	---	---	---	---	16	3	0	0	60	0	0
08/31/00	---	---	---	---	4	0	2	0	100	0	0
09/01/00	---	---	---	---	4	4	1	---	50	6	0
09/02/00	---	---	---	---	12	8	3	---	120	17	0
09/03/00	---	---	---	---	12	7	2	---	20	25	0
09/04/00	---	---	---	---	4	6	2	---	20	0	0
09/05/00	---	---	---	---	12	2	1	---	10	10	0
09/06/00	---	---	---	---	4	1	1	---	20	0	0
09/07/00	---	---	---	---	32	3	1	---	30	0	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>148</b>	<b>54</b>	<b>20</b>	<b>1</b>	<b>855</b>	<b>167</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>61</b>	<b>12</b>	<b>0</b>

#### 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 09/07

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2000		1999		10-Yr Avg.		2000		1999		10-Yr Avg.		2000		1999		10-Yr Avg.	
	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	30,598	13,386	26,169	4,022	20,522	2,637	128,174	18,976	123,626	6,982	89,496	7,197
TDA	102,953	14,796	17,563	6,180	36,497	1,828	25,024	10,409	21,730	3,207	16,441	1,905	76,377	10,140	58,825	5,414	43,298	4,172
JDA	86,502	12,133	15,409	5,089	29,402	1,505	23,069	8,146	22,210	2,504	15,458	1,691	58,290	8,239	40,078	2,481	28,095	2,307
MCN	64,647	10,839	9,260	3,972	28,536	1,577	20,776	7,098	19,275	2,343	16,138	1,747	35,638	4,085	23,071	1,495	17,363	1,703
IHR	38,234	9,129	5,351	2,657	15,091	720	4,241	3,182	3,900	1,311	4,465	461	2,465	649	1,540	144	726	62
LMN	35,634	10,389	3,924	2,726	14,041	753	4,678	3,288	3,372	1,344	4,195	468	1,463	458	982	132	402	44
LGS	34,468	10,152	3,445	2,690	**	**	4,160	3,776	3,273	1,583	**	**	976	276	691	80	**	**
LWG	33,822	10,318	3,296	2,507	12,180	669	3,933	3,736	3,260	1,584	4,222	494	917	291	580	99	177	19
PRD	20,098	1,092	4,139	761	9,052	194	22,306	2,504	20,896	517	14,069	596	19,536	1,232	13,523	276	5,650	425
RIS	14,400	1,429	3,309	915	6,567	218	18,717	11,367	18,588	1,548	11,793	977	4,528	1,718	2,337	245	1,090	258
RRH	5,336	392	1,389	233	1,501	54	13,422	3,991	10,536	1,140	5,185	476	3,137	724	1,689	1,539	684	249
WEL	2,143	457	141	199	752	53	6,354	3,596	7,335	541	3,247	354	702	250	477	230	256	59

DAM	Coho						Sockeye			Steelhead			
	2000		1999		10-Yr Avg.		10-Yr			10-Yr			Wild
	Adult	Jack	Adult	Jack	Adult	Jack	2000	1999	Avg.	2000	1999	Avg.	2000
BON	29,424	2,985	5,027	435	3,488	553	93,152	17,874	42,103	219,385	167,169	163,713	68,881
TDA	6,279	884	667	77	352	83	73,344	13,713	32,875	116,585	96,452	71,462	37,387
JDA	2,921	289	457	74	201	55	88,223	14,802	34,262	89,379	74,205	46,830	25,576
MCN	1,246	131	25	1	20	10	58,270	11,791	35,739	51,073	40,860	35,379	15,078
IHR	32	3	0	0	0	0	213	8	8	27,071	27,274	19,005	6,648
LMN	3	0	1	0	0	0	289	15	8	19,587	19,939	15,232	5,223
LGS	0	0	0	0	**	**	299	16	**	14,038	15,072	**	3,833
LWG	0	0	0	0	0	0	282	14	7	15,226	15,843	11,298	4,523
PRD	41	6	46	4	8	0	89,607	16,360	40,489	7,081	4,999	4,464	***
RIS	13	NA	0	0	3	0	76,506	18,305	35,879	4,924	3,031	2,878	1,762
RRH	22	NA	0	0	0	0	57,421	14,048	18,521	3255	1,902	1,885	739
WEL	0	0	0	0	0	0	59,832	12,197	17,164	2,832	1,462	1,390	474

Note: PRD's data is from Grant CO PUD and is through 09/07; RIS, RRH are from Chelan CO PUD and are through 09/01.

Note: BON, LMN, LGS are through 09/06; WEL is through 09/05.

Note: LGR is missing 7/12, 07/31 and 08/18. RIS and RRH are missing 07/16 to 07/18.

Note: MCN has a partial ST count on 08/28 (Rt bank missing); LGR has duplicate counts for 08/24 and 08/25.

Note: IHR has duplicate counts for 08/24 and 08/25; LMN is missing 09/05; WEL is missing 08/28 to 08/30 and 09/01 to 09/02.

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.

**Two Week Transportation Summary**

08/25/00 TO 09/07/00

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum Of NumberCollected	29,856	20	52	148	256	30,332
	Sum Of NumberBarged	0	0	0	0	0	0
	Sum Of NumberBypassed	0	0	0	0	0	0
	Sum Of NumberTrucked	29,720	20	52	133	253	30,178
	Sum Of TotalProjectMort	136	0	0	15	3	154
LGS	Sum Of NumberCollected	3,996	7	69	54	43	4,169
	Sum Of NumberBarged	0	0	0	0	0	0
	Sum Of NumberBypassed	0	0	0	0	0	0
	Sum Of NumberTrucked	3,950	6	68	48	42	4,114
	Sum Of TotalProjectMort	46	1	1	6	1	55
LMN	Sum Of NumberCollected	2,868	23	60	20	138	3,109
	Sum Of NumberBarged	0	0	0	0	0	0
	Sum Of NumberBypassed	0	0	59	0	130	189
	Sum Of NumberTrucked	2,842	23	0	20	8	2,893
	Sum Of TotalProjectMort	26	0	1	0	0	27
MCN	Sum Of NumberCollected	75,125			855		75,980
	Sum Of NumberBarged	0			0		0
	Sum Of NumberBypassed	8,162			100		8,262
	Sum Of NumberTrucked	73,638			909		74,547
	Sum Of TotalProjectMort	949			6		955
Total Sum Of NumberCollected		111,845	50	181	1,077	437	113,590
Total Sum Of NumberBarged		0	0	0	0	0	0
Total Sum Of NumberBypassed		8,162	0	59	100	130	8,451
Total Sum Of NumberTrucked		110,150	49	120	1,110	303	111,732
Total Sum Of TotalProjectMort		1,157	1	2	27	4	1,191

**YTD Transportation Summary**

TO: 09/07/00

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum Of NumberCollected	642,300	2,449,921	121,987	6,199	5,038,800	8,259,207
	Sum Of NumberBarged	533,095	2,324,209	121,045	5,697	4,795,307	7,779,353
	Sum Of NumberBypassed	46	115,444	400	16	226,270	342,176
	Sum Of NumberTrucked	106,325	6,966	495	439	16,992	131,217
	Sum Of TotalProjectMort	2,834	3,303	47	47	731	6,962
LGS	Sum Of NumberCollected	318,696	1,357,130	41,634	3,545	1,055,126	2,776,131
	Sum Of NumberBarged	282,653	1,348,003	40,149	3,281	1,045,300	2,719,386
	Sum Of NumberBypassed	0	0	0	0	0	0
	Sum Of NumberTrucked	57,133	4,468	1,452	228	8,778	72,059
	Sum Of TotalProjectMort	2,249	5,322	92	56	1,443	9,162
LMN	Sum Of NumberCollected	181,580	608,573	19,132	4,288	766,036	1,579,609
	Sum Of NumberBarged	146,077	556,132	18,198	4,239	761,544	1,486,190
	Sum Of NumberBypassed	19,841	24,873	275	0	1,976	46,965
	Sum Of NumberTrucked	14,699	26,015	624	46	1,779	43,163
	Sum Of TotalProjectMort	963	1,565	35	3	738	3,304
MCN	Sum Of NumberCollected	9,178,650	1,164,638	169,051	95,011	365,747	10,973,097
	Sum Of NumberBarged	7,902,533	25,995	26,993	28,657	10,650	7,994,828
	Sum Of NumberBypassed	704,394	1,137,415	140,966	59,779	354,530	2,397,084
	Sum Of NumberTrucked	514,916	16	278	5,845	54	521,109
	Sum Of TotalProjectMort	56,808	1,212	813	730	513	60,076
Total Sum Of NumberCollected		10,321,226	5,580,262	351,804	109,043	7,225,709	23,588,044
Total Sum Of NumberBarged		8,864,358	4,254,339	206,385	41,874	6,612,801	19,979,757
Total Sum Of NumberBypassed		724,281	1,277,732	141,641	59,795	582,776	2,786,225
Total Sum Of NumberTrucked		693,073	37,465	2,849	6,558	27,603	767,548
Total Sum Of TotalProjectMort		62,854	11,402	987	836	3,425	79,504

