



Fish Passage Center

Weekly Report #05 - 11

May 20, 2005

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Highlights:

- Precipitation has been well above average over the first sixteen days of May at most Columbia Basin locations, six locations had precipitation that was greater than 200% of average.
- Over the last week, flows have averaged 101.4 Kcfs at Lower Granite, 247.3 Kcfs at McNary and 137.3 at Priest Rapids.
- Spill at The Dalles Dam averaged only 33% of average daily flow as compared to the 40% specified in the Biological Opinion due to facility restrictions. Daytime spill at John Day Dam will be provided beginning on May 21 for seven days to increase spillway passage at this project to address this issue.

Summary of Events:

Water Supply: Precipitation has been well above average over the first sixteen days of May at most Columbia Basin locations. Of the sites in Table 1, twelve recorded precipitation that was greater than average and six sites had precipitation that was greater than 200% of average. Over the entire water year, precipitation remains below average at most locations.

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

Location	Water Year 2005 May 1-16		Water Year 2005 October 1, 2004 to May 16, 2005	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.30	113	14.39	84
Snake River Above Ice Harbor	2.82	289	12.63	99
Columbia Above The Dalles	1.98	194	14.41	85
Kootenai	1.22	106	13.61	78
Clark Fork	1.80	170	8.82	78
Flathead	1.07	85	13.50	90
Pend Oreille/Spokane	2.13	158	20.33	85
Central Washington	1.22	307	5.39	78
Snake River Plain	3.02	395	10.11	128
Salmon/Boise/ Payette	2.44	264	12.34	81
Clearwater	3.78	242	19.75	87
SW Washington Cascades/Cowlitz	3.24	166	43.02	71
Willamette Valley	3.69	203	34.12	66

Snowpack in the Columbia River for basins above the Snake River confluence is 33% of average, for Snake River Basins the average snowpack 63% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack 1% of average.

Water Supply Forecasts have held steady between the April Final and May Final Forecasts. However, the forecast at Hungry Horse (Jan-July) did increase from 71% to 77% of average between the April and May Final forecasts. Table 2 displays the April Final and May Final runoff volume forecasts for multiple reservoirs along with runoff volumes that actually occurred in 2001 for comparison. All forecasts are currently above the actual runoff volumes recorded in 2001.

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

Location	April Final		May Final		Actual 2001
	% Average (1971-2000)	Probable Runoff Volume (Kaf)	% Average (1971-2000)	Probable Runoff Volume (Kaf)	Actual Runoff Volume (Kaf)
The Dalles (Jan-July)	69	73800	70	74700	58200
Grand Coulee (Jan-July)	83	52200	83	52200	37400
Libby Res. Inflow, MT (Jan-July)	79	4990	78	4910	3341
Hungry Horse Res. Inflow, MT (Jan-July)	71	1580	77	1720	1300
Lower Granite Res. Inflow (Apr-July)	52	11100	55	11800	10300
Brownlee Res. Inflow (Apr-July)	35	2180	39	2440	1970*
Dworshak Res. Inflow (Apr-July)	58	1530	60	1670	1470

The Spring Flow Objective period started in the Lower Snake River on April 3rd, 2005. Based on the April Final Forecast at Lower Granite (Apr-July), the flow objective is 85 Kcfs at Lower Granite through June 20th. Since April 3rd, 2005, flows at Lower Granite have averaged 58.3 Kcfs; over the last week flows have averaged 101.4 Kcfs.

The Spring Flow Objective Periods at McNary Dam and Priest Rapids Dam began on April 10th. The flow objectives at McNary and Priest Rapids are 220 Kcfs and 135 Kcfs, respectively. Flows at McNary Dam have averaged 180.2 Kcfs since April 10th and flows at Priest Rapids have averaged 110.2 Kcfs; over the last week flows have averaged 247.3 Kcfs at McNary and 137.3 at Priest Rapids.

Grand Coulee Reservoir is currently at an elevation of 1260.1 feet (May 19th, 2005 midnight) and has refilled 7.0 feet in the last week.

The Libby Reservoir is currently at elevation 2436.2 feet and has refilled 8.2 feet over the last week. Outflows at Libby were increased to 15 Kcfs on 5-18-05 in response to SOR 2005 FWS-1.

The Hungry Horse Reservoir is currently at an elevation of 3551.2 feet and has refilled approximately 3.1 feet last week. Outflows at Hungry Horse have been 6.1 Kcfs.

The Dworshak reservoir is currently at an elevation of 1593.2 feet and has refilled 1.1 feet last week. Outflows at Dworshak were dropped to powerhouse capacity (approximately 9.5 Kcfs) on 5-18-05. Operators have planned to refill Dworshak at a rate of approximately 3 feet this week, about 1 foot next week and 1.0 feet/week in June.

The Brownlee Reservoir was at an elevation of 2076.8 feet on May 12th, 2005 with outflows ranging between 19.8 and 28.9 Kcfs over the last week.

Smolt Monitoring: Passage indices for yearling chinook and steelhead at Snake River dams decreased substantially after reaching nearly a million fish combined index on May 10. With recent high flows numbers of steelhead have increased again, while yearling chinook numbers continue to decline. At Lower Columbia River dams numbers of spring migrants continued to increase this past week. At Snake River Basin SMP traps high flows have made it difficult to sample in some cases over

this past week.

At the Salmon River Trap, near White Bird, average daily collection of yearling chinook dropped again this week to 30 this week compared to 70 per day last week. Steelhead numbers dropped from 100 per day to less than 60 this week. Flows in the Salmon River rose to 47 Kcfs by May 20 forcing trapping operations to a halt temporarily beginning on May 18. In the Grande Ronde River, flows rose above median historic values to 10 Kcfs for several days this week. The catch of yearling chinook averaged 30 fish per day at the Grande Ronde Trap while steelhead catch averaged about 50 per day compared to 110 last week. The Imnaha Trap caught a log in their screw trap on May 16 and ceased operating several days this past week due to high flows and debris concerns. Flows rose to 2500 cfs compared to approximately 1400 cfs historic median for this time period. When the trap was operated on May 13 through 15 it resulted in collections of 470 to 640 steelhead.

The Snake River Trap at Lewiston continued to catch good numbers of steelhead as flows increased to 90 Kcfs on May 20 as measured at the Anatone gage. Of note was the capture of between 32 and 69 sockeye at the trap over the past few days. The releases of hatchery subyearling chinook at acclimation sites above the trap have begun to be captured in good numbers as well.

At Lower Granite Dam in the Lower Snake River, passage indices for yearling chinook and steelhead have decreased significantly this past week. The daily index for yearling chinook averaged 20,000 this week compared to 320,000 last week while steelhead indices averaged 105,000 this week compared to 365,000 last week. Steelhead indices have begun to increase slowly over the past few days as flows increased to 120 Kcfs, forcing spill to occur at Lower Granite as well as all other Lower Snake River dams. Sockeye indices averaged 1,600 this past week, while coho indices 8,000 this week down from 24,000 per day last week. Subyearling chinook indices were relatively high again this past week, averaging 8,200 per day compared to 6,900 per day last week. The early

arrival of subyearling chinook reflect recent hatchery releases from Nez Perce Tribal Hatchery at Cherry Lane and Hells Canyon releases.

With continued spill occurring at Lower Granite, increased numbers of migrants have been reaching Little Goose Dam. Yearling chinook indices averaged 63,000 per day this week while steelhead averaged 90,000 compared to the previous week's average of 127,000 and 218,000 respectively.

At Lower Monumental Dam larger numbers of yearling chinook and steelhead have been collected this past week. Yearling chinook indices averaged 28,000 this week compared to 20,000 last week, while steelhead averaged 45,000 per day compared to 23,000 last week.

In the Mid-Columbia, Rock Island Dam, indices for most migrants were down compared to last week. Yearling chinook indices averaged 410 per day compared to 460 per day last week. Steelhead averaged 680 per day this week compared to 780 last week, while coho were up to 2,300 per day this week compared to 1,500 per day last week. Sockeye averaged 60 fish per day this week while small numbers of subyearling chinook were also in the sample this past week at the site.

At McNary Dam where sampling is being conducted every other day, indices for yearling chinook have increased again this week compared to last week with yearling chinook indices averaging 110,000 per day compared to 89,000 last week, while steelhead averaged 17,000 per day this week compared to 8,600 per day the previous week. The coho indices averaged 5,900 per day this week compared to 2,900 per day last week. Sockeye indices averaged 11,300 and subyearling chinook indices averaged 9,400 over the week.

John Day Dam saw increasing indices for yearling chinook, steelhead, sockeye and subyearling chinook, while coho numbers decreased slightly this past week. Yearling chinook indices averaged 55,000 per day this week compared to 54,000 per day last week, while steelhead and coho averaged 19,000 and 6,100 this week respectively compared to 15,000 and 8,800 per day last week, respectively.

At Bonneville Dam, yearling chinook indices were up to 42,000 per day, while coho indices dropped to 17,500 per day average this week, and steelhead indices remained relatively steady at 5,500 per day over the past week. Subyearling chinook indices dropped slightly to 6,500 per day. Increasing numbers of sockeye were captured over the past week with a maximum index of 2,300 reached on May 19.

Spill: Dworshak Dam outflow specifically for flow augmentation in the lower Snake River ended on May 18, 2005. Spill has averaged 28% of average daily flow over the past week. As flows increased, spill occurred at Lower Granite Dam this past week as excess to hydraulic capacity. Spill at Little Goose and Lower Monumental also occurred as flows increased averaging 3 and 13% of daily average flow over the past week, respectively. Spill at IHR was provided according to the protocol determined for RSW testing. Spill averaged 66% of daily average flows over the past 7 days, and ranged from 32% to 91%.

Biological Opinion spill in the lower Columbia River was initiated at McNary and John Day dams on April 10 and at The Dalles Dam on April 11, 2005. Spill at McNary Dam averaged 40% of daily average flow and spill at John Day Dam averaged 27% of daily average flow. Spill at both McNary and John Day dams are called for during nighttime hours. Spill at The Dalles Dam is being provided via fixed spill gate openings (dogged off) and variable gate operations of spillbays 1 and 2.

This past week volumes have averaged much less (33%) than the 40% specified in the Biological Opinion. SOR 2005-12 requested that spill be provided during daytime hours at John Day Dam to increase spillway passage at this project to offset the decrease in spillway passage due to the fixed gate operations at The Dalles Dam. The Action Agencies agreed to implement daytime spill at John Day for a seven-day period beginning May 21, 2005. Spill at Bonneville Dam averaged 35% of average daily flow over the past week.

No fish with signs of gas bubble trauma have been observed in the monitoring program over the past week.

Hatchery Releases - Releases of juvenile salmonids from Columbia River Basin hatcheries above Bonneville Dam are estimated near 84.3 million for the 2005 migration season. Supplemental and planned releases of spring/summer Chinook and Sockeye salmon completed during the fall 2004 season will be considered 2005 migrants. The Zone Release Report below summarizes "planned" hatchery releases from State, Federal or Tribal hatcheries or acclimation ponds for this year's migration. These totals will be updated and finalized through the year.

Hatchery Zone Release Report

	Friday 20-May-2005			
	Snake River	Mid-Columbia	Lower Columbia	Total Release
Fall Chinook	4,855,319	12,656,000	21,570,953	39,082,272
Spring Chinook	9,443,852	4,690,296	5,124,109	19,258,257
Summer Chinook	2,348,012	3,454,509		5,802,521
Coho	825,000	2,448,119	5,149,446	8,422,565
Sockeye	209,046	592,459		801,505
Summer Steelhead	9,022,642	1,232,917	522,206	10,777,765
Winter Steelhead			118,300	118,300
Total	26,703,871	25,074,300	32,485,014	84,263,185

Hatcheries in the Columbia/Snake River basin released about 7.3 million fish during the past two weeks with approximately 10.2 million fish to be released during the upcoming two weeks. See the Hatchery Release Summary Tables for further details.

Snake River -About 2.0 million spring/summer Chinook were released last summer/fall and through December in the Clearwater River basin. This spring season, about 9.4 million spring/summer Chinook and about 1-million yearling fall Chinook were released in the Snake River basin. An inadvertent release of about 397,000 subyearling spring Chinook occurred on May 6 when a flood through the Cherry Lane area (Nez Perce Tribal Hatchery) caused the early release of this group of fish that was to be planted in Meadow Creek, a tributary of the Selway River. In addition, about 820,000 subyearling fall Chinook were also released on-site due to the flood. The subyearling Chinook have been released by IDFG at Hells Canyon with major releases scheduled next week

from Snake River acclimation ponds and in the main river. The NOAA Fisheries study that will release subyearling fall chinook above Lower Granite Dam will also be ongoing from mid-May through mid-June.

About 825,000 yearling Coho salmon were released in the Clearwater River basin this 2005 season.

As of this week, the final releases of hatchery Steelhead should have been liberated from hatcheries in the Snake River basin. Both A- and B-Run Steelhead are released throughout the Snake River basin with most drainages receiving some level of plants at varying sites. The final groups from the Grande Ronde River basin should be in river.

Mid-Columbia - The CleElum tribal facility began volitional release of about 825,000 yearling spring Chinook in mid-March with all fish in the river by late April. Spring Chinook were released from Ringold Hatchery pond in March with State, Tribal and Federal hatcheries releasing yearling spring Chinook near April 15 this season. About 4.7 million spring Chinook were released in the Mid-Columbia.

Yearling summer Chinook were released from Wells Hatchery and Eastbank Hatchery complexes into the Okanogan River, mainstem Columbia, and Wenatchee Rivers during the past three weeks. The first group of subyearling Chinook from Wells Hatchery was released this week on May 18th.

About 2.4 million yearling Coho salmon will be released in the Wenatchee River basin, Methow River basin and the Yakima River basin from Tribal acclimation facilities. The majority of these Coho were in-river by the first week in May. Steelhead releases were completed from Wells Hatchery to the Methow and Okanogan rivers, with Turtle Rock Facility supplying Steelhead to the Wenatchee River basin. Ringold Hatchery completed its mainstem Columbia River release by mid-April while the Walla Walla River was planted with Steelhead by the end of April. About 1.2 million Steelhead were released this 2005 spring in the Mid-Columbia.

All subyearling fall Chinook in the Yakima

River basin have been released to date. Numbers will be updated in the near future for these fish releases. The Priest Rapids and Ringold Hatchery subyearling fall Chinook will be liberated in June this year.

Lower Columbia - Yearling fall Chinook and Coho salmon were released in late February in the Umatilla River with additional Coho released in March from Reith Bridge, near Pendleton, OR. About 800,000 yearling spring Chinook have been released in the Umatilla River to date. About 600,000 yearling spring Chinook were released from Klickitat Hatchery in March with Warm Springs NFH completing their volitional release in the Deschutes River basin by early April. Yearling spring Chinook were planted in the Hood River basin from acclimation ponds during this spring season. Another 2+ million yearling spring Chinook were released from Carson NFH and Little White Salmon River NFH prior to the end of April.

About 2.5 million yearling Coho salmon from Washougal Hatchery were trucked to and released at several sites in the Klickitat River in March. The on-site volitional release of Coho will be initiated May 11th with the fish in-river by late May. Juvenile Steelhead releases into the Umatilla River were completed by early May. Summer and winter Steelhead were released in some of the tributaries during the 2005 season.

All Tule fall Chinook have been released for the year with the first release of subyearling fall chinook from the Umatilla River in-river last week.

Juvenile Sockeye were released from net pens into Lake Wenatchee last summer and fall; the majority of these fish reside in the lake and then migrate from the lake and to the ocean the next spring, in this case, April and May, 2005. In the Snake River basin, juvenile sockeye were released in Redfish, Alturas, and Pettit lakes last fall and about 80,000 released this spring. A release of juvenile sockeye from the Canadian fisheries into Lake Skaha (located above Lake Osoyoos) was completed last summer with final information found in the FPC hatchery database.

Adult Fish Passage -At Bonneville Dam, adult spring Chinook counts averaged 1,080fish/day

through the week ending May 19. The 2005 count of adult Chinook totals 61,875, about 40.6% and 46.2% of the respective 2004 and 10-year average. The peak daily count was 1,452 on May 14 with the low count dropping to only 443 on May 19, the final day of the count week. The adult spring Chinook count at The Dalles Dam was 48,063, or 77.7% of the total past Bonneville Dam. About 33,600 have been counted at McNary Dam with 15,700 into the Snake River and 8,000 into the upper Mid-Columbia (Priest Rapids count). In the Yakima River, about 2,750 adult spring Chinook were tallied at the Prosser site through mid May. As a point of interest, there should be a small run of adult spring Chinook returning to the Walla Walla River this season (a result of outplanting of adult fish in 2003). The "jack" Chinook count at Bonneville Dam was 2,771 through May 19, about 42% of the 2004 and 10-year average. Actually the jack counts picked up considerably during the past week at Bonneville Dam.

The first Sockeye passed the Bonneville project this week and although the total was only 8, this is greater than the 10-year average and 2004 count through May 19.

Adult Shad are also making their appearance at Bonneville and upriver projects.

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
05/06/05	115.0	0.0	120.4	0.0	126.7	13.5	118.6	0.2	125.5	25.1	117.1	13.3	120.9	74.6
05/07/05	94.5	0.0	91.1	0.0	102.5	8.0	109.8	0.0	115.2	21.1	124.4	12.2	119.2	73.4
05/08/05	87.2	0.0	93.5	0.0	100.3	8.0	96.7	0.0	104.3	19.8	109.7	11.8	114.2	70.2
05/09/05	136.5	0.0	135.1	0.0	142.1	9.2	137.1	0.0	142.7	30.8	141.3	13.9	142.0	87.4
05/10/05	120.7	0.0	127.0	0.0	141.2	9.2	144.6	15.9	154.2	29.4	155.9	12.4	154.5	95.2
05/11/05	120.0	0.0	115.6	0.0	124.3	8.8	123.9	35.0	132.1	30.1	144.7	12.1	150.2	92.6
05/12/05	119.5	0.0	125.9	0.0	135.3	9.7	139.2	34.8	147.4	31.2	140.5	12.8	139.7	85.9
05/13/05	121.3	0.0	127.6	0.0	135.9	9.1	138.9	31.4	144.2	26.0	146.0	12.6	149.9	92.4
05/14/05	110.4	0.0	112.1	0.0	125.6	8.9	128.4	26.4	134.8	23.6	142.6	12.1	147.4	90.5
05/15/05	78.1	0.0	80.1	0.0	88.8	7.5	94.0	25.2	102.3	21.2	117.4	11.6	128.1	78.9
05/16/05	124.7	0.0	121.9	0.0	129.1	8.5	127.2	33.0	132.8	28.1	129.4	10.1	132.2	81.4
05/17/05	94.1	0.0	102.0	0.0	116.2	8.7	119.7	0.0	128.5	29.0	134.5	10.1	126.1	77.8
05/18/05	108.6	0.0	112.0	0.0	121.9	8.8	121.3	0.0	127.0	27.8	128.7	9.8	136.0	83.6
05/19/05	114.1	0.0	116.7	0.0	125.8	8.6	127.4	32.6	131.6	28.0	133.8	9.8	141.1	86.9

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

Date	Dworshak		Brownlee Canyon		Hells Granite		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
05/06/05	14.0	4.5	14.8	18.2	67.0	0.0	65.5	0.0	67.1	2.3	65.7	22.1		
05/07/05	15.0	5.4	16.2	17.7	79.4	3.1	79.7	0.0	82.0	2.9	82.5	26.7		
05/08/05	15.0	5.4	18.8	16.9	82.4	0.0	82.5	0.0	85.4	3.0	84.0	27.7		
05/09/05	15.0	5.4	19.5	14.5	77.6	6.2	78.5	0.0	80.3	2.4	82.1	61.4		
05/10/05	15.0	5.4	22.6	21.0	91.3	6.2	89.6	0.0	92.4	5.3	93.1	84.0		
05/11/05	15.0	5.4	21.7	21.5	98.9	13.5	97.9	0.0	101.0	3.8	104.2	46.0		
05/12/05	15.0	5.4	22.4	21.9	88.7	4.0	88.5	0.0	93.9	3.2	94.2	29.2		
05/13/05	15.0	5.4	20.6	23.8	85.1	1.5	85.0	0.0	87.5	5.0	88.9	69.8		
05/14/05	15.0	5.4	19.8	23.9	84.6	0.0	84.8	0.0	87.1	15.3	89.4	81.7		
05/15/05	14.9	5.3	22.0	22.8	83.9	0.0	84.0	0.0	87.4	3.1	88.4	41.2		
05/16/05	14.1	4.5	22.6	24.2	91.7	7.6	89.2	0.0	91.6	2.1	91.0	29.3		
05/17/05	12.0	2.4	24.4	28.6	124.1	37.9	121.8	13.5	123.5	26.6	124.7	76.0		
05/18/05	12.0	2.4	27.3	31.5	121.8	35.8	115.8	6.7	119.0	24.0	123.5	91.6		
05/19/05	11.4	1.8	---	---	118.7	33.6	112.6	5.5	118.3	---	119.9	91.6		

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		
05/06/05	201.6	85.0	190.3	39.0	189.7	65.1	198.8	64.9	11.4	111.0
05/07/05	199.9	62.4	196.4	40.1	193.0	59.9	202.5	66.8	1.3	122.9
05/08/05	201.6	81.3	203.5	40.5	206.2	66.0	220.4	73.1	10.8	124.9
05/09/05	228.8	93.9	239.9	41.3	236.4	79.8	232.2	78.1	26.5	116.0
05/10/05	242.5	85.1	224.7	42.5	225.4	77.6	236.7	82.7	31.9	110.6
05/11/05	260.0	106.4	253.6	55.7	252.8	80.4	259.0	88.3	38.3	121.1
05/12/05	254.8	128.7	258.9	68.3	262.3	80.1	282.3	90.2	55.5	125.2
05/13/05	247.5	105.2	242.4	65.0	240.8	80.2	240.2	91.9	32.4	104.3
05/14/05	238.6	85.4	240.1	65.1	236.6	79.2	242.3	91.5	35.8	103.9
05/15/05	242.5	78.7	230.1	61.5	223.9	79.5	241.7	90.9	39.5	101.1
05/16/05	221.3	88.7	216.8	60.5	222.7	79.9	243.1	89.4	41.4	100.8
05/17/05	246.4	109.5	258.9	63.8	255.8	81.2	251.7	89.2	38.6	112.4
05/18/05	277.5	118.2	286.3	80.9	286.5	79.6	287.6	89.0	65.7	121.4
05/19/05	257.0	107.5	259.2	63.6	260.3	79.7	290.8	86.8	68.5	123.9

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
McNary Dam											
	05/12/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/16/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	05/10/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/14/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/17/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Rock Island Dam											
	05/12/05	Chinook + Steelhead	100	2	2	2.00%	0.00%	1	1	0	0
	05/16/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/19/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: **5/6/2005** to **05/19/05**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2005	39,061	05-10-05	05-10-05	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2005	39,269	05-10-05	05-10-05	Redfish Lake Creek	Salmon River (ID)
Idaho Dept. of Fish and Game Total					78,330				
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	SP	2005	391,920	05-07-05	05-08-05	Nez Perce Tribal Hatchery	Clearwater River M F
Nez Perce Tribe Total					391,920				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	90,000	05-02-05	05-13-05	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	161,000	04-30-05	05-11-05	Wallowa Acclim Pond	Wallowa River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	CH1	SP	2005	319,152	04-04-05	05-31-05	Bel. Pelton Ladder	Deschutes River
Oregon Dept. of Fish and Wildlife Total					570,152				
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2005	100,150	05-02-05	05-10-05	East Fk Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2005	139,384	05-04-05	05-09-05	Yankee Fk (Salmon R)	Salmon River (ID)
U.S. Fish and Wildlife Service Total					239,534				
Washington Dept. of Fish and Wildlife	COOP	ST	SU	2005	20,865	04-23-05	05-07-05	O'Reilly Pond	Methow River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH0	SP	2005	15,000	05-19-05	05-27-05	Chiwawa Hatchery	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SP	2005	222,000	04-18-05	05-18-05	Chiwawa Hatchery	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2005	354,000	04-18-05	05-18-05	Carlton Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2005	578,000	04-15-05	05-13-05	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	ST	SU	2005	124,000	03-21-05	05-20-05	Above Rock Island Dam	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Klickitat Hatchery	CH0	SP	2005	280,000	05-17-05	05-17-05	Upper Klickitat River	Klickitat River
Washington Dept. of Fish and Wildlife	Klickitat Hatchery	CO	NO	2005	1,000,000	05-12-05	05-27-05	Klickitat Hatchery	Klickitat River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2005	176,000	05-16-05	06-03-05	Dworshak Hatchery	Clearwater River M F
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH0	SU	2005	240,000	05-11-05	05-11-05	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	1	05-07-05	05-07-05	Okanogan River	Okanogan River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	10,000	05-10-05	05-10-05	Omak Creek	Okanogan River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	68,940	04-28-05	05-09-05	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	75,555	04-25-05	05-11-05	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	82,280	04-20-05	05-11-05	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	86,041	04-19-05	05-11-05	Methow River	Methow River
Washington Dept. of Fish and Wildlife Total					3,332,682				
Yakama Tribe	Leavenworth NFH	CO	UN	2005	68,025	04-28-05	05-15-05	Butcher Creek Acclim. Pond	Wenatchee River
Yakama Tribe	Leavenworth NFH	CO	UN	2005	70,941	05-01-05	05-15-05	Maher Creek Acclim. Pond	Wenatchee River
Yakama Tribe	Leavenworth NFH	CO	UN	2005	117,893	04-28-05	05-15-05	Wenatchee River	Wenatchee River
Yakama Tribe	Leavenworth NFH	CO	UN	2005	369,060	04-23-05	05-15-05	Icicle Creek	Wenatchee River
Yakama Tribe	Little White Salmon NFH	CH0	FA	2005	1,700,000	05-02-05	05-13-05	Prosser Acclim Pond	Yakama River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2005	415,000	04-11-05	05-10-05	Prosser Acclim Pond	Yakama River
Yakama Tribe Total					2,740,919				
Grand Total					7,353,537				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From: **5/20/2005** to **6/2/2005**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Fisheries and Oceans Canada	Shuswap Hatchery	SO	UN	2006	1,100,000	05-20-05	05-20-05	Lake Skaha	Okanogan River
Fisheries and Oceans Canada Total					1,100,000				
Nez Perce Tribe	Lyons Ferry Hatchery	CH0	FA	2005	500,300	05-23-05	05-30-05	Cpt John Acclim Pond	Snake River
Nez Perce Tribe	Lyons Ferry Hatchery	CH0	FA	2005	503,000	05-30-05	05-31-05	Big Canyon (Clearwater R)	Clearwater River M F
Nez Perce Tribe Total					1,003,300				
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	CH1	SP	2005	319,152	04-04-05	05-31-05	Bel. Pelton Ladder	Deschutes River
Oregon Dept. of Fish and Wildlife	Umatilla Hatchery	CH0	FA	2005	200,000	05-23-05	05-31-05	Pittsburg Landing Acclim Pond	Snake River
Oregon Dept. of Fish and Wildlife	Umatilla Hatchery	CH0	FA	2005	200,000	06-01-05	06-24-05	Grande Ronde River	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Umatilla Hatchery	CH0	FA	2005	400,000	06-01-05	06-24-05	Hells Canyon Dam	Snake River
Oregon Dept. of Fish and Wildlife Total					1,119,152				
Umatilla Tribe	Umatilla Hatchery	CH0	FA	2005	300,000	05-20-05	05-31-05	Thornhollow Acclim Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	CH0	FA	2005	300,000	05-20-05	05-31-05	Umatilla River	Umatilla River
Umatilla Tribe Total					600,000				
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH0	SP	2005	15,000	05-19-05	05-27-05	Chiwawa Hatchery	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	ST	SU	2005	124,000	03-21-05	05-20-05	Above Rock Island Dam	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Klickitat Hatchery	CH0	FA	2005	4,000,000	06-01-05	06-30-05	Klickitat Hatchery	Klickitat River
Washington Dept. of Fish and Wildlife	Klickitat Hatchery	CO	NO	2005	1,000,000	05-12-05	05-27-05	Klickitat Hatchery	Klickitat River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2005	176,000	05-16-05	06-03-05	Dworshak Hatchery	Clearwater River M F
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2005	200,000	05-23-05	05-23-05	Cpt John Acclim Pond	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2005	200,000	05-27-05	05-27-05	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2005	234,000	05-23-05	05-23-05	Cpt John Acclim Pond	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2005	423,000	05-24-05	05-25-05	Grande Ronde River	Grande Ronde River
Washington Dept. of Fish and Wildlife Total					6,372,000				
Grand Total					10,194,452				

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	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr				
5/6	---	---	---	0	110	111	112	24	110	110	111	24	107	108	109	24	107	108	108	24
5/7	---	---	---	0	112	113	116	24	110	110	112	24	107	107	108	24	107	108	108	24
5/8	---	---	---	0	111	111	114	24	111	111	112	24	107	108	108	24	107	108	108	24
5/9	---	---	---	0	113	115	119	24	110	111	111	24	107	108	109	23	107	108	108	24
5/10	---	---	---	0	114	115	118	24	109	110	110	24	106	107	108	24	106	107	107	24
5/11	---	---	---	0	115	118	119	24	109	109	109	24	106	107	108	24	106	107	107	24
5/12	---	---	---	0	116	119	120	24	109	109	110	24	107	107	108	24	107	107	108	24
5/13	---	---	---	0	116	117	117	24	109	110	110	24	107	107	108	24	107	107	108	24
5/14	---	---	---	0	116	118	119	24	110	111	112	24	107	108	108	24	107	108	108	24
5/15	---	---	---	0	117	120	121	24	111	111	112	24	107	108	110	24	108	108	109	24
5/16	---	---	---	0	120	121	122	24	111	111	112	22	108	109	110	24	109	109	109	24
5/17	---	---	---	0	121	122	122	24	110	110	112	24	107	108	109	24	108	108	109	23
5/18	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/19	---	---	---	0	121	121	122	24	110	110	111	24	107	108	109	24	107	107	108	24

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	Chief J. Dnst			Wells			Wells Dwnstrm			Rocky Reach			Rocky R. Tlwr							
	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr				
5/6	108	108	109	24	107	108	108	24	110	111	113	24	111	111	111	24	111	111	112	24
5/7	109	109	110	24	107	107	107	24	109	109	110	24	110	110	110	24	110	110	111	24
5/8	109	109	110	24	107	107	108	22	109	109	110	22	111	111	111	24	111	111	112	24
5/9	108	108	110	24	107	107	108	24	109	110	110	24	110	110	110	24	110	111	111	24
5/10	107	108	109	21	105	106	107	24	108	108	109	24	108	109	110	24	109	110	110	24
5/11	107	107	108	22	105	106	106	24	108	108	109	24	108	108	109	24	111	112	112	24
5/12	107	108	108	24	106	107	107	24	109	109	109	24	109	109	110	24	111	112	113	24
5/13	108	108	109	24	106	107	107	24	109	109	109	24	109	110	110	24	111	112	114	24
5/14	108	109	109	23	107	107	109	23	109	110	110	23	110	110	110	24	111	112	113	24
5/15	109	110	110	20	107	108	108	23	109	110	111	23	111	111	111	24	113	113	113	24
5/16	109	109	110	20	107	108	108	24	110	110	111	24	111	112	112	24	114	114	115	24
5/17	109	110	110	24	107	107	108	23	109	109	110	23	110	111	111	24	111	111	114	24
5/18	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/19	107	108	109	24	106	106	106	24	108	108	109	24	108	109	110	24	111	112	116	24

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	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr	24 h Avg	12 h Avg	High	# hr				
5/6	109	110	110	24	115	116	117	24	112	113	114	24	115	116	118	24	115	115	117	24
5/7	109	109	110	24	114	115	117	24	111	112	114	24	113	115	117	24	111	112	113	24
5/8	109	109	110	24	114	116	117	24	111	112	113	24	114	116	117	24	111	113	116	24
5/9	109	109	110	24	115	116	118	23	112	112	112	24	114	115	117	24	113	114	116	24
5/10	107	108	109	24	114	115	116	23	110	111	112	24	112	114	116	24	111	112	112	24
5/11	105	109	110	24	115	116	117	24	---	---	---	0	---	---	---	0	---	---	---	0
5/12	107	111	113	24	112	116	117	24	111	112	114	24	113	115	121	24	112	114	116	24
5/13	111	112	112	24	107	114	115	24	---	---	---	0	---	---	---	0	---	---	---	0
5/14	112	112	112	24	105	110	114	24	---	---	---	0	---	---	---	0	---	---	---	0
5/15	112	112	113	24	101	102	111	24	---	---	---	0	---	---	---	0	---	---	---	0
5/16	112	112	113	24	102	103	111	24	114	114	115	24	116	117	119	24	114	115	116	24
5/17	111	111	112	24	109	116	116	24	110	111	112	24	113	116	118	24	112	112	112	12
5/18	---	---	---	0	---	---	---	0	111	112	112	24	114	116	118	24	113	113	116	14
5/19	109	111	112	24	115	116	118	24	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<u>Priest R. Dnst</u>				<u>Pasco</u>				<u>Dworshak</u>				<u>Clrwtr-Peck</u>				<u>Anatone</u>			
	<u>24 h</u>		<u>12 h</u>		#	<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	
5/6	119	119	120	8	114	114	115	20	105	106	107	24	103	104	104	24	102	103	103	24
5/7	117	117	118	24	112	113	113	24	107	107	107	24	102	102	102	24	102	102	103	24
5/8	117	118	118	24	111	112	112	24	119	127	127	24	103	104	104	24	102	103	103	24
5/9	119	119	119	24	112	112	112	24	120	127	128	23	103	103	104	24	102	102	102	24
5/10	119	119	119	24	110	111	112	24	107	107	107	24	102	102	102	24	101	101	102	24
5/11	---	---	---	0	113	114	115	24	107	107	107	24	103	103	104	24	102	103	104	24
5/12	118	119	120	24	114	115	116	21	107	107	108	23	103	104	104	23	103	103	104	24
5/13	---	---	---	0	113	114	115	21	107	107	108	24	103	104	105	24	103	104	104	24
5/14	---	---	---	0	114	115	115	19	107	107	107	24	103	103	104	24	103	103	104	24
5/15	---	---	---	0	114	114	115	20	107	107	108	24	103	103	104	24	103	103	104	24
5/16	119	120	120	24	112	112	113	9	106	107	108	21	102	103	103	21	102	102	103	21
5/17	118	119	120	24	111	112	112	16	101	102	102	24	101	102	102	24	103	104	104	23
5/18	119	119	120	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/19	---	---	---	0	111	112	113	24	101	102	103	24	101	101	102	24	104	105	106	24

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>				<u>Lower Granite</u>				<u>L. Granite Tlwr</u>				<u>Little Goose</u>				<u>L. Goose Tlwr</u>			
	<u>24 h</u>		<u>12 h</u>		#	<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	
5/6	102	102	103	24	104	105	106	24	104	104	104	24	105	105	105	24	104	105	105	24
5/7	102	102	102	24	103	103	103	24	104	105	107	24	104	104	104	24	103	103	104	24
5/8	102	103	104	24	103	104	104	24	102	103	103	24	104	104	104	24	103	104	104	24
5/9	102	103	103	24	103	103	103	24	105	107	108	24	104	104	104	24	103	104	104	24
5/10	101	101	101	24	101	102	102	24	104	106	109	24	103	103	103	24	102	103	103	24
5/11	102	103	104	24	101	102	102	24	106	107	110	24	102	102	102	24	102	102	103	24
5/12	103	104	105	23	102	102	104	24	103	104	106	24	104	105	110	24	103	103	104	24
5/13	103	104	105	24	105	107	109	24	103	104	106	24	105	106	107	24	105	106	106	24
5/14	102	103	104	24	104	105	105	24	103	104	104	24	106	106	106	24	105	105	106	24
5/15	103	103	104	24	105	105	106	24	104	104	105	24	105	106	106	24	104	105	105	24
5/16	102	102	103	21	104	104	104	21	106	107	108	21	105	105	106	21	104	104	105	21
5/17	101	102	102	24	103	103	104	24	115	118	118	24	104	105	105	24	107	109	109	24
5/18	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/19	101	102	103	24	103	103	104	24	114	115	117	24	108	109	110	24	109	110	110	24

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

Date	<u>Lower Mon.</u>				<u>L. Mon. Tlwr</u>				<u>Ice Harbor</u>				<u>Ice Harbor Tlwr</u>				<u>McNary-Oregon</u>			
	<u>24 h</u>		<u>12 h</u>		#	<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	
5/6	104	105	105	24	106	109	118	24	106	106	106	24	112	113	113	24	114	115	116	24
5/7	104	104	104	24	106	108	117	24	105	105	106	24	112	113	113	24	113	113	114	24
5/8	104	104	105	24	106	109	118	24	104	105	105	24	112	113	113	24	112	113	114	24
5/9	105	105	105	24	107	109	118	24	105	105	105	24	117	118	119	24	110	110	111	24
5/10	103	104	104	24	107	110	117	24	104	104	105	24	118	119	119	24	109	109	110	24
5/11	103	103	103	24	106	109	116	24	104	104	104	24	115	116	119	17	110	111	112	24
5/12	103	103	104	24	106	109	117	24	104	104	105	24	112	112	115	16	112	114	117	24
5/13	103	103	104	24	107	112	117	24	104	105	105	24	116	119	119	24	114	115	117	24
5/14	104	104	105	24	114	117	118	23	104	105	105	24	118	118	119	24	113	114	117	24
5/15	106	106	107	24	108	110	118	24	106	108	109	24	114	116	119	24	113	114	116	24
5/16	106	106	107	21	108	109	118	21	108	109	109	21	114	114	114	21	114	114	115	21
5/17	104	104	105	24	117	122	124	24	106	106	107	24	118	121	121	24	112	112	113	24
5/18	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/19	105	105	106	23	118	120	120	23	109	110	110	24	120	120	120	24	111	113	114	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>24 h</u>		<u>12 h</u>		#	<u>24h</u>		<u>12h</u>		#	<u>24h</u>		<u>12h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
5/6	115	116	116	24	117	117	117	24	113	114	115	23	116	119	119	24	112	113	115	23
5/7	113	114	114	24	115	117	119	24	111	111	112	23	115	119	119	24	109	110	111	23
5/8	111	112	112	24	115	118	119	24	110	111	111	23	115	119	120	24	111	112	113	23
5/9	111	111	112	24	116	116	117	24	114	117	133	23	115	119	120	24	111	112	112	23
5/10	110	110	110	24	116	116	116	24	108	109	110	23	114	119	120	24	109	110	111	23
5/11	111	111	113	24	116	118	119	24	107	107	108	23	113	119	119	24	108	109	111	23
5/12	114	115	116	24	118	119	119	24	109	109	110	23	114	118	119	24	110	113	115	23
5/13	114	115	115	24	117	118	119	24	109	109	109	23	113	117	118	24	111	114	116	23
5/14	113	114	115	24	116	117	117	24	108	109	109	23	113	118	119	24	111	114	116	23
5/15	115	115	116	24	116	118	120	24	110	111	111	23	114	118	120	24	112	114	115	23
5/16	115	115	115	21	116	118	120	21	112	113	113	19	115	117	119	21	112	113	115	19
5/17	111	112	113	24	116	119	120	24	112	113	114	23	115	118	120	24	113	115	118	23
5/18	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/19	112	112	113	24	117	118	119	24	109	109	110	23	113	118	119	24	112	113	116	23

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>				<u>Bonneville</u>				<u>Warrendale</u>				<u>Camas\Washugal</u>				<u>Cascade Island</u>			
	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24h</u>		<u>12h</u>		#	<u>24h</u>		<u>12h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
5/6	115	117	118	24	113	114	115	23	114	115	115	23	113	114	115	24	115	115	115	17
5/7	113	113	114	24	110	111	111	23	113	113	113	23	112	113	114	24	114	114	115	17
5/8	114	115	116	24	111	111	112	23	113	114	114	23	111	112	112	20	116	116	117	17
5/9	115	116	116	24	111	112	112	23	114	114	115	23	111	112	112	24	117	117	119	17
5/10	114	114	115	24	110	110	110	23	113	113	114	23	109	110	110	24	117	117	119	17
5/11	113	114	115	24	109	109	109	23	113	114	115	23	110	111	112	24	117	117	120	17
5/12	114	116	117	24	109	109	110	23	112	113	115	23	111	112	113	24	117	118	120	17
5/13	115	117	118	24	110	111	112	23	114	116	118	23	111	114	116	24	118	118	120	17
5/14	115	117	118	24	113	113	114	23	115	116	118	23	113	115	117	24	117	118	120	17
5/15	115	116	118	24	114	115	116	23	116	117	118	23	114	115	116	24	117	117	120	17
5/16	115	116	117	20	113	114	115	19	115	116	117	19	113	114	115	20	117	117	119	17
5/17	116	117	119	24	112	112	112	23	115	116	117	23	112	114	115	24	117	118	120	17
5/18	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/19	115	117	118	24	113	114	115	23	114	115	117	23	112	113	115	24	117	118	120	17

Two-Week Summary of Passage Indices

* See sampling comments <http://www.fpc.org/currentDaily/smpcomments.htm>
 this means that one or more of the sites on this date had an incomplete or biased sample.

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

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

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

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

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

COMBINED YEARLING CHINOOK												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
05/06/2005	*	197	9	154	15	401,000	128,891	7,581	320	---	16,883	18,886
05/07/2005	*	37	---	---	8	591,200	130,802	7,220	274	76,740	29,580	21,102
05/08/2005	*	122	---	18	67	400,562	145,744	16,034	233	---	45,098	23,359
05/09/2005	*	16	---	132	56	351,200	190,192	15,541	207	96,805	51,213	25,286
05/10/2005	*	27	---	88	22	263,667	176,275	15,357	704	---	49,105	26,193
05/11/2005		55	22	34	71	145,312	244,866	42,287	528	93,288	74,623	24,938
05/12/2005	*	49	9	32	55	98,756	374,850	39,476	947	---	108,200	29,795
05/13/2005		43	35	25	59	38,666	98,077	50,252	730	73,648	83,306	43,079
05/14/2005	*	28	21	26	29	33,812	80,509	44,621	141	---	50,287	51,928
05/15/2005	*	50	47	42	14	15,800	97,835	30,499	550	99,082	45,268	39,857
05/16/2005	*	18	1	40	4	16,008	67,612	21,260	338	---	33,175	33,039
05/17/2005	*	4	---	42	60	12,180	40,630	30,930	593	194,787	36,680	33,395
05/18/2005	*	0	---	0	463	10,705	31,832	11,079	218	---	79,555	39,719
05/19/2005	*	---	---	15	57	17,196	25,249	7,846	282	76,580	59,532	49,650
<hr/>												
Total:		646	144	648	980	2,396,064	1,833,364	339,983	6,065	710,930	762,505	460,226
# Days:		13	7	13	14	14	14	14	14	7	14	14
Average:		50	21	50	70	171,147	130,955	24,285	433	101,561	54,465	32,873
YTD		43,641	42,035	5,742	1,434	5,455,185	2,226,293	649,236	12,057	890,878	1,167,258	1,184,259

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)	
05/06/2005	*	0	0	95	9	1,000	2,730	208	1	---	59	15,663
05/07/2005	*	0	---	---	3	400	8,509	0	23	1,511	45	15,092
05/08/2005	*	0	---	3	49	624	15,600	0	16	---	32	7,803
05/09/2005	*	0	---	5	31	1,400	4,400	0	46	2,692	38	5,525
05/10/2005	*	0	---	3	33	19,515	33,400	104	15	---	153	4,458
05/11/2005		0	0	37	35	16,195	18,600	0	198	3,037	146	3,733
05/12/2005	*	0	0	31	12	9,187	62,400	0	59	---	139	5,856
05/13/2005		0	0	46	3	8,731	11,000	605	33	1,892	163	6,634
05/14/2005	*	0	0	46	0	10,800	8,000	181	7	---	280	6,697
05/15/2005	*	0	0	52	1	11,400	1,000	161	0	1,658	111	5,457
05/16/2005	*	0	0	66	0	10,005	3,400	305	14	---	458	6,421
05/17/2005	*	0	---	78	14	6,090	1,600	0	34	15,539	190	5,908
05/18/2005	*	0	---	8	36	4,372	1,203	0	4	---	492	7,397
05/19/2005	*	---	---	39	48	6,603	2,487	0	7	18,547	976	7,546
<hr/>												
Total:		0	0	509	274	106,322	174,329	1,564	457	44,876	3,282	104,190
# Days:		13	7	13	14	14	14	14	14	7	14	14
Average:		0	0	39	20	7,594	12,452	112	33	6,411	234	7,442
YTD		0	76	1,057	547	112,043	174,743	1,822	1,741	47,164	3,881	1,665,190

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)	
05/06/2005	*	0	0	0	4	5,800	702	0	412	---	4,522	21,765
05/07/2005	*	0	---	---	0	18,600	746	314	541	6,910	4,562	27,438
05/08/2005	*	0	---	0	3	14,982	800	104	649	---	7,046	25,948
05/09/2005	*	0	---	0	9	36,600	5,600	103	684	504	8,892	18,161
05/10/2005	*	0	---	0	2	47,920	4,600	623	1,968	---	13,470	13,675
05/11/2005		0	0	0	8	29,284	5,400	744	3,378	1,216	11,173	16,948
05/12/2005	*	0	0	0	0	20,440	51,400	622	3,145	---	11,620	19,444
05/13/2005		0	0	0	1	13,512	9,500	2,725	3,295	629	4,633	16,144
05/14/2005	*	0	0	0	0	19,600	14,500	1,813	1,002	---	3,457	10,656
05/15/2005	*	0	0	0	1	6,600	13,400	3,713	2,559	3,316	3,205	7,485
05/16/2005	*	0	0	0	0	3,802	9,000	1,529	3,664	---	5,870	13,272
05/17/2005	*	0	---	0	3	4,216	9,000	3,570	3,036	9,227	2,073	24,150
05/18/2005	*	0	---	0	0	3,468	5,628	1,584	1,551	---	9,335	27,858
05/19/2005	*	---	---	0	3	4,540	5,748	1,594	1,047	10,446	14,292	23,193
<hr/>												
Total:		0	0	0	34	229,364	136,024	19,038	26,931	32,248	104,150	266,137
# Days:		13	7	13	14	14	14	14	14	7	14	14
Average:		0	0	0	2	16,383	9,716	1,360	1,924	4,607	7,439	19,010
YTD		0	0	0	102	277,314	139,641	19,713	28,149	44,273	127,733	573,395

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)	
05/06/2005	*	192	65	115	24	198,400	113,955	11,216	605	---	3,743	3,342
05/07/2005	*	32	---	---	129	344,200	74,048	8,580	531	7,195	5,518	4,155
05/08/2005	*	91	---	29	1,104	270,301	97,830	17,798	398	---	7,767	4,157
05/09/2005	*	50	---	137	391	439,000	278,623	18,938	561	5,389	10,979	3,595
05/10/2005	*	94	---	158	320	715,109	128,485	23,243	897	---	23,268	6,092
05/11/2005		104	393	147	435	375,593	102,403	42,606	1,117	13,369	28,269	8,285
05/12/2005	*	116	445	87	130	215,886	730,636	36,471	1,342	---	24,657	7,704
05/13/2005		62	637	47	85	171,296	165,033	51,159	1,175	9,485	14,206	7,576
05/14/2005	*	148	473	44	134	163,400	152,505	111,914	160	---	17,385	5,760
05/15/2005	*	80	585	38	71	62,000	84,610	63,096	761	22,002	15,426	4,093
05/16/2005	*	47	34	65	146	73,635	69,201	29,368	967	---	13,660	5,691
05/17/2005	*	2	---	113	381	84,091	41,806	30,589	967	18,131	10,785	8,546
05/18/2005	*	0	---	20	613	88,504	63,804	15,828	313	---	21,649	3,720
05/19/2005	*	---	---	46	152	95,542	54,388	14,344	402	19,098	40,610	3,419
<hr/>												
Total:		1,018	2,632	1,046	4,115	3,296,957	2,157,327	475,150	10,196	94,669	237,922	76,135
# Days:		13	7	13	14	14	14	14	14	7	14	14
Average:		78	376	80	294	235,497	154,095	33,939	728	13,524	16,994	5,438
YTD		3,754	33,338	2,270	6,820	5,369,934	2,346,425	578,838	13,101	130,143	321,888	130,822

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)
05/06/2005	*	0	0	0	0	0	361	0	1	---	292	119
05/07/2005	*	0	---	---	0	0	0	105	13	2,549	392	77
05/08/2005	*	0	---	0	3	208	200	104	5	---	913	235
05/09/2005	*	0	---	0	0	800	0	0	8	2,520	340	286
05/10/2005	*	1	---	0	8	650	200	0	58	---	920	349
05/11/2005		1	0	0	5	666	0	0	439	2,736	1,073	475
05/12/2005	*	3	0	0	3	1,378	1,100	104	331	---	1,496	718
05/13/2005		1	0	0	3	1,247	500	0	104	2,728	868	693
05/14/2005	*	21	0	0	5	600	0	363	48	---	608	769
05/15/2005	*	29	0	0	1	800	400	0	70	10,402	750	627
05/16/2005	*	57	0	0	2	1,801	200	153	51	---	1,742	614
05/17/2005	*	2	---	0	69	117	0	0	97	15,730	1,302	699
05/18/2005	*	0	---	0	32	2,563	342	0	27	---	6,467	1,050
05/19/2005	*	---	---	0	36	4,196	626	0	21	16,374	9,078	2,296
<hr/>												
Total:		115	0	0	167	15,026	3,929	829	1,273	53,039	26,241	9,007
# Days:		13	7	13	14	14	14	14	14	7	14	14
Average:		9	0	0	12	1,073	281	59	91	7,577	1,874	643
YTD		115	0	0	168	17,810	6,290	2,106	1,549	57,143	26,968	9,358

* See sampling comments

<http://www.fpc.org/currentDaily/smpcomments.htm>

Smolt indices, clipped & unclipped or combined, are presented in the following order: yearling chinook (chinook 1's), subyearling chinook (chinook 0's), steelhead, coho, and sockeye. Two classes of fish counts are shown in these tables: collection counts, which account for sample rates but are not adjusted for flow; and passage indices, which are collection counts divided by the proportion of water passing through the sampled powerhouse. Passage indices are not population estimates, but are used to adjust collection counts for daily fluctuations in the site's or project's operations. The classes of counts presented in the report are defined below for each site. Most samples occur over a 24-hr period that spans two calendar days. In this report, the date shown corresponds with the sample end date.

Definitions for Smolt Index Counts

WTB (Collection) = Salmon River Trap at Whitebird : Collection Counts

IMN (Collection) = Imnaha River Trap : Collection Counts

GRN (Collection) = Grande Ronde River Trap : Collection Counts

LEW (Collection) = Snake River Trap at Lewiston : Collection Counts

LGR (Index) = Lower Granite Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

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.

Two Week Transportation Summary

Source: Fish Passage Center

Updated:

5/20/05 7:58 AM

05/07/05 TO 05/20/05

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	97,500	2,321,412	216,000	12,650	3,091,350	5,738,912
	Sum of NumberBarged	86,236	2,139,822	189,619	12,126	2,704,803	5,132,606
	Sum of NumberBypassed	10,655	173,678	25,307	365	381,907	591,912
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	15	170	11	3	25	224
	Sum of FacilityMorts	594	7,672	1,063	156	4,614	14,099
	Sum of ResearchMorts	0	70	0	0	1	71
	Sum of TotalProjectMorts	609	7,912	1,074	159	4,640	14,394
LGS	Sum of NumberCollected	174,082	1,828,421	135,100	3,862	2,147,273	4,288,738
	Sum of NumberBarged	125,139	1,402,423	100,768	3,118	1,574,481	3,205,929
	Sum of NumberBypassed	48,910	420,859	34,257	736	565,156	1,069,918
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	59	3	0	39	101
	Sum of FacilityMorts	33	5,080	72	8	7,597	12,790
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	33	5,139	75	8	7,636	12,891
LMN	Sum of NumberCollected	1,493	314,597	17,135	748	432,308	766,281
	Sum of NumberBarged	798	169,698	12,612	646	277,393	461,147
	Sum of NumberBypassed	693	144,654	4,521	99	154,775	304,742
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	6	0	0	7	13
	Sum of FacilityMorts	2	239	2	3	133	379
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	2	245	2	3	140	392
MCN	Sum of NumberCollected	25,455	420,556	18,674	30,939	56,198	551,822
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	25,286	419,321	18,618	30,804	56,080	550,109
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	9	36	1	5	2	53
	Sum of FacilityMorts	160	1,188	55	128	116	1,647
	Sum of ResearchMorts	0	11	0	2	0	13
	Sum of TotalProjectMorts	169	1,235	56	135	118	1,713
Total Sum of NumberCollected		298,530	4,884,986	386,909	48,199	5,727,129	11,345,753
Total Sum of NumberBarged		212,173	3,711,943	302,999	15,890	4,556,677	8,799,682
Total Sum of NumberBypassed		85,544	1,158,512	82,703	32,004	1,157,918	2,516,681
Total Sum of Numbertrucked		0	0	0	0	0	0
Total Sum of SampleMorts		24	271	15	8	73	391
Total Sum of FacilityMorts		789	14,179	1,192	295	12,460	28,915
Total Sum of ResearchMorts		0	81	0	2	1	84
Total Sum of TotalProjectMorts		813	14,531	1,207	305	12,534	29,390

YTD Transportation Summary

Source: Fish Passage Center

Updated:

5/20/05 7:58 AM

TO: 05/20/05

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	103,199	5,354,549	263,345	15,416	5,141,387	10,877,896
	Sum of NumberBarged	91,344	5,058,026	235,062	14,215	4,651,284	10,049,931
	Sum of NumberBypassed	10,825	274,485	26,286	490	442,080	754,166
	Sum of NumberTrucked	404	8,883	871	487	43,015	53,660
	Sum of SampleMorts	22	429	11	11	51	524
	Sum of FacilityMorts	604	12,640	1,115	213	4,955	19,527
	Sum of ResearchMorts	0	86	0	0	2	88
	Sum of TotalProjectMorts	626	13,155	1,126	224	5,008	20,139
LGS	Sum of NumberCollected	174,496	2,221,350	138,717	6,223	2,336,371	4,877,157
	Sum of NumberBarged	125,542	1,792,834	104,377	5,428	1,762,428	3,790,609
	Sum of NumberBypassed	48,910	422,891	34,257	736	565,777	1,072,571
	Sum of NumberTrucked	4	223	0	27	291	545
	Sum of SampleMorts	0	102	10	2	54	168
	Sum of FacilityMorts	40	5,293	73	30	7,821	13,257
	Sum of ResearchMorts	0	8	0	0	0	8
	Sum of TotalProjectMorts	40	5,403	83	32	7,875	13,433
LMN	Sum of NumberCollected	1,743	622,244	17,785	2,008	535,345	1,179,125
	Sum of NumberBarged	1,048	464,281	13,262	1,837	378,055	858,483
	Sum of NumberBypassed	693	144,779	4,521	99	154,815	304,907
	Sum of NumberTrucked	0	12,712	0	60	2,235	15,007
	Sum of SampleMorts	0	32	0	3	21	56
	Sum of FacilityMorts	2	440	2	9	219	672
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	2	472	2	12	240	728
MCN	Sum of NumberCollected	26,903	532,849	26,169	33,413	81,224	700,558
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	26,729	531,435	26,109	33,271	81,083	698,627
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	14	64	2	6	5	91
	Sum of FacilityMorts	160	1,295	55	131	135	1,776
	Sum of ResearchMorts	0	55	3	5	1	64
	Sum of TotalProjectMorts	174	1,414	60	142	141	1,931
Total Sum of NumberCollected		306,341	8,730,992	446,016	57,060	8,094,327	17,634,736
Total Sum of NumberBarged		217,934	7,315,141	352,701	21,480	6,791,767	14,699,023
Total Sum of NumberBypassed		87,157	1,373,590	91,173	34,596	1,243,755	2,830,271
Total Sum of NumberTrucked		408	21,818	871	574	45,541	69,212
Total Sum of SampleMorts		36	627	23	22	131	839
Total Sum of FacilityMorts		806	19,668	1,245	383	13,130	35,232
Total Sum of ResearchMorts		0	149	3	5	3	160
Total Sum of TotalProjectMorts		842	20,444	1,271	410	13,264	36,231

Cumulative Adult Passage at Mainstem Dams Through: 05/19

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	61,875	2,771	152,466	6,684	133,929	6,717	0	0	0	0	0	0	0	0	0	0	0	0
TDA	48,063	1,801	113,011	5,434	87,836	4,353	0	0	0	0	0	0	0	0	0	0	0	0
JDA	37,812	1,226	97,539	4,566	71,314	3,279	0	0	0	0	0	0	0	0	0	0	0	0
MCN	33,633	1,229	89,361	4,210	62,979	2,893	0	0	0	0	0	0	0	0	0	0	0	0
IHR	15,690	291	62,173	2,353	40,076	1,685	0	0	0	0	0	0	0	0	0	0	0	0
LMN	14,786	229	56,231	1,680	36,435	1,408	0	0	0	0	0	0	0	0	0	0	0	0
LGS	13,208	160	47,235	1,241	33,285	1,262	0	0	0	0	0	0	0	0	0	0	0	0
LWG	13,041	197	52,913	1,507	31,983	1,156	0	0	0	0	0	0	0	0	0	0	0	0
PRD	8,032	72	10,060	243	12,808	145	0	0	0	0	0	0	0	0	0	0	0	0
RIS	4,651	36	5,982	104	7,825	137	0	0	0	0	0	0	0	0	0	0	0	0
RRH	1,458	12	2,124	32	2,662	18	0	0	0	0	0	0	0	0	0	0	0	0
WEL	738	4	1,198	2	1,356	11	0	0	0	0	0	0	0	0	0	0	0	0
WFA	20,883	580	68,870	362	n/a	n/a	---	---	---	---	---	---	0	0	0	0	n/a	n/a

DAM	Coho						Sockeye			Steelhead			
	2005		2004		10-Yr Avg.		10-Yr Avg.			10-Yr Avg.			Wild
	Adult	Jack	Adult	Jack	Adult	Jack	2005	2004	Avg.	2005	2004	Avg.	2005
BON	0	0	0	0	0	0	8	0	0	1,892	4,528	3,388	588
TDA	-1	1	0	0	0	0	0	0	0	816	1,398	993	402
JDA	4	-13	0	0	0	0	0	0	0	1,043	1,690	3,095	529
MCN	0	0	0	0	0	0	0	0	0	930	1,363	1,482	396
IHR	0	0	0	0	0	0	0	0	0	1,259	1,755	1,568	652
LMN	0	0	2	0	0	0	0	0	0	974	1,562	1,641	471
LGS	0	0	0	0	0	0	0	0	0	979	1,876	1,942	482
LWG	0	0	0	0	0	0	0	0	0	4,740	7,592	6,189	1,559
PRD	0	0	0	0	0	0	8	0	0	11	34	1	n/a
RIS	2	0	0	0	0	0	26	0	0	48	97	25	40
RRH	0	0	0	0	0	0	0	1	0	348	271	75	339
WEL	0	0	0	0	0	0	0	0	0	54	63	16	48
WFA	0	0	0	0	n/a	n/a	0	0	n/a	8,909	24,194	n/a	n/a

RIS, RRH are through 05/17. WEL is through 05/18.

WFA is through 05/17. IHR is missing adult chinook count for left bank on 05/18.

*PRD is not posting wild steelhead numbers.

These numbers were collected from the COE's Running Sums text files, except where otherwise noted.

Wild steelhead numbers are included in the total. Wild Steelhead are defined as unclipped fish.

Historic counts (pre-1996) were obtained from CRITFC and compiled by the FPC.

Historic counts 1997 to present were obtained from the Corps of Engineers.

Page last updated on: 05/20/05

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

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