



Fish Passage Center

Weekly Report #05 - 5

April 8, 2005

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has been near or above average in March. Of the sites in Table 1, all recorded precipitation that was greater than 84% of average over March, with most recording above average precipitation. Over the entire water year, precipitation remains below average.

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

Location	Water Year 2005 March 1-28		Water Year 2005 October 1, 2004 to March 28, 2005	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.89	117	11.46	81
Snake River Above Ice Harbor	1.60	107	7.87	78
Columbia Above The Dalles	1.86	107	10.55	75
Kootenai	1.81	113	11.23	78
Clark Fork	1.35	125	5.27	59
Flathead	2.55	173	10.69	89
Pend Oreille/Spokane	3.13	125	15.75	79
Central Washington	0.63	84	3.51	60
Snake River Plain	0.93	92	5.10	85
Salmon/Boise/ Payette	1.84	105	7.98	63
Clearwater	2.73	108	13.21	72
SW Washington Cascades/Cowlitz	6.06	95	32.43	61
Willamette Valley	5.62	97	25.14	56

Recent storms have increased snowpack within the Columbia Basin, however snow pack continues to be well below average. Average snowpack in the Columbia River for basins above the Snake River confluence is 52% of average, for Snake River Basins the average snowpack is 67% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack is 29% of average.

Water Supply Forecasts have increased somewhat in response to late March precipitation increasing between three and eight percent of average between the March Final and the April Early-Bird Forecasts. The April Final Water Supply Forecasts is expected to be released today. Table 2 displays the March Final and the April Early-Bird Forecasts 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. March Final and the April Early-Bird Runoff Volume Forecasts for various reservoirs within the Columbia and Snake River Basins along with 2001 actual runoff volumes over the same periods.

Location	March Final		April Early-Bird		Actual 2001
	% Average (1971-2000)	Probable Runoff Volume (Kaf)	% Average (1971-2000)	Probable Runoff Volume (Kaf)	Actual Runoff Volume (Kaf)
The Dalles (Jan-July)	66	70700	70	75100	58200
Grand Coulee (Jan-July)	80	50500	85	53700	37400
Libby Res. Inflow, MT (Jan-July)	77	4860	84	5270	3341
Hungry Horse Res. Inflow, MT (Jan-July)	67	1480	72	1600	1300
Lower Granite Res. Inflow (Apr- July)	46	9960	53	11500	10300
Brownlee Res. Inflow (Apr-July)	28	1740	36	2300	1970*
Dworshak Res. Inflow (Apr-July)	56	1470	59	1550	1470

Grand Coulee Reservoir is currently at an elevation of 1254.1 feet (April 7th 2005 midnight) and has drafted approximately 1.1 feet in the last week.

The Libby Reservoir is currently well below its flood control elevations. Libby ended April 7th at an elevation of 2413.3 feet, 29.3 feet below its mid-April Flood Control elevation of 2442.6 feet. Libby continues to release its minimum project outflow of 4.0 Kcfs.

The Hungry Horse Reservoir is currently at an elevation of 3549.7 feet, which is 7.0 feet below its end of mid-April Flood Control elevation of 3556.7 feet. Hungry Horse has been releasing 0.6 Kcfs over the past week.

The Dworshak reservoir is currently at an elevation of 1582.9. The COE has increased outflows to 4.3 Kcfs over the last three days due to flood control constraints determined by snow-

covered area. Inflows to Dworshak have been decreasing over the last several days and are currently 6.6 Kcfs.

The Brownlee Reservoir was at an elevation of 2072.0 on April 7th, 2005. Out of all the major storage projects within the Columbia Hydroystem, Brownlee is the closest to its mid-April Flood Control elevation (2077 feet).

Spill: Spill occurred at several projects last week. Bonneville Dam spilled approximately 1.5 Kcfs as part of adult attraction passage enhancement. McNary Dam spilled over the week when river flow exceeded the hydraulic capacity of the screened units, consistent with the Fish Passage Plan. Ice Harbor Dam began spilling on 4-7-05 for RSW testing. The Salmon Managers submitted SOR 2005-4 the Action Agencies, which outlined the start of spill at Ice Harbor and Lower Columbia projects. Spill to Biological Opinion levels is set to begin at McNary and John Day Dams beginning at 6 PM on April 10th, at The Dalles Dam spill will begin at 6 PM on April 11th. The projected start date for spill at Bonneville Dam is April 15th, 2005; however, this date will be discussed in more detail next week.

Total dissolved gas levels throughout the hydrosystem are elevated. This is likely a result of physical and biological processes. Gas bubble trauma monitoring is scheduled to start in the Lower Columbia on April 11. Due to projected low flows no spill is planned at the Snake River transportation collector projects. Consequently, GBT monitoring is not planned at these projects.

Smolt Monitoring: Sampling began at Little Goose, Lower Monumental, Rock Island, and John Day dams on April 1 with the first 24-hr sample of the season processed the morning of April 2. McNary Dam is operating during the springtime with alternate days of primary bypass (no sampling) and secondary bypass with sampling. The first day of secondary bypass began April 2 with the first 24-hr sample of the season process 0700 April 3. During the days of secondary bypass, the PIT-tagged Mid-Columbia hatchery steelhead from

the COE funded McNary transportation study will be routed to transportation as was done last year.

At this time of the season, yearling Chinook tend to dominate the collections at the monitoring sites, and this is the case at Lower Monumental, McNary, John Day and Bonneville dams where daily passage indices of yearling Chinook have been in the thousands and of these yearling Chinook, the percentage of clipped hatchery fish was approximately 50% at Lower Monumental and 74-94% at the lower Columbia River dams. At John Day Dam where 94% of the yearling Chinook collected were clipped hatchery fish, there were many hatchery Chinook from the Umatilla River basin passing based on PIT tag detections. In addition, PIT tagged wild Chinook from the John Day River and wild steelhead from the John Day, Umatilla, and Walla Walla rivers were detected at John Day Dam this week.

In contrast, at Lower Granite and Little Goose dams the steelhead collections were higher than the yearling Chinook collections this week. Most of the steelhead collected at these two dams were of hatchery origin, with approximately 80% clipped steelhead at Lower Granite Dam and 77% at Little Goose Dam. Of the yearling Chinook collected, the percentage of clipped hatchery Chinook was 30% at Lower Granite Dam and 6% at Little Goose Dam. At Lower Granite Dam, there were PIT tag detections of hatchery spring Chinook from Rapid River Hatchery, Powell Pond, Catherine Ck, and Lostine R acclimation ponds, and the Nez Perce Tribal Hatchery release last year in Newsome Ck. Hatchery steelhead passing Lower Granite Dam this week included fish from Niagara Springs and Magic Valley hatcheries based on PIT tagged fish detected. The Niagara Springs Hatchery fish (Oxbow A-run) were released below Hells Canyon Dam and the Magic Valley Hatchery fish were released in Little Salmon River. Although not PIT tagged, fish from Cottonwood Acclimation Pond released the last week of March, may be present since large numbers were detected at the Grande Ronde River trap a few days after release. In addition, there has been a fairly steady collection of steelhead (averaging around 40 fish per day the past two weeks) at the Snake River trap at

Lewiston with approximately 80% being clipped hatchery fish. Steelhead collections at the Salmon and Imnaha River traps have been lower than the other traps and contain only about 20% clipped hatchery steelhead at the Salmon River trap and only 1 clipped hatchery steelhead at the Imnaha River trap. The trap collections this week showed large numbers of yearling Chinook exiting the Salmon, Imnaha, and Grande Ronde rivers, and of these Chinook, between 70 and 96% were clipped hatchery fish. Only a few yearling Chinook have been collected at the Snake River trap at Lewiston to date.

Hatchery Release: Over the past two weeks, 14.9 million hatchery fish were released throughout the Columbia River basin. This year, many hatcheries started to release their steelhead earlier than usual due to the anticated low springtime flows particularly in the Snake River basin. Hatchery steelhead releases from Magic Valley, Niagara Springs, and Hagerman in the Salmon River basin, and Lyons Ferry Hatchery in the Grande Ronde River basin began in early to late March, and it appears some of these fish are already arriving at Lower Granite Dam. The hatchery steelhead from Niagara Springs Hatchery released below Hells Canyon Dam have not yet been added to the hatchery release summary. With the additional releases of hatchery Chinook, steelhead, coho over the next two weeks, most hatchery fish for the spring 2005 migration season will be in the river as shown in the hatchery release summary page.

Adult Fish Passage - At Bonneville and upstream dams, calendar dates when official counting of adult fish will be initiated varies among the sites. Lower Granite Dam began reporting counts on March 1, Bonneville Dam on March 15th, and at the remaining mainstem COE projects, counting will begin on April 1. The PUD dams in the Mid-Columbia River normally begin counting adult fish near April 15 with Wells Dam starting on May 1. The Bonneville Dam counts from January through March 14 are listed in a small table below the normal Adult Table.

Through April 7th, passage of adult spring Chinook has not yet broken into triple figures with 63 adult Chinook counted from the March 15th through April 7th. The 2005 count of 63 adult Chinook compares to 1914 in 2004 and 13058 for the 10-year average.

Regarding adult fish facilities at Bonneville Dam, the water supply to the main entrance gates and fish ladders have been operating at full criteria since March 1st. The New Powerhouse is primarily operated with flows shifted to the Old Powerhouse when flow is in excess of powerhouse capacity. Overall, passage conditions for adult fish at Bonneville should have been excellent for the month of March.

A big factor that will hinder fish passage is the presence of Marine Mammals in the vicinity of the fish ladders and main entrances. Sea lions have been present in varying numbers since early March at the Dam. No efforts have been taken to discourage or harass any of the mammals at the Dam.

Adult Steelhead continue moving through the hydro system to reach their tributaries and spawning sites. The majority of these fish counted this winter and spring have over-wintered in the pools (2004) and complete their trip to the spawning grounds in March through early May the following year (2005). Counts at Lower Granite total 3822 for the season, presently less than the 2004 and 10-year average to date.

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
03/25/05	69.4	0.0	69.1	0.0	73.8	0.0	73.4	0.0	75.8	0.0	103.8	0.0	101.9	0.0
03/26/05	62.0	0.0	66.2	0.0	68.6	0.0	67.2	0.0	69.1	0.0	85.4	0.0	77.4	0.0
03/27/05	42.4	0.0	39.6	0.0	49.1	0.0	51.5	0.0	54.2	0.0	71.7	0.0	70.0	0.0
03/28/05	93.3	0.0	89.1	0.0	77.6	0.0	72.7	0.0	74.4	0.0	58.6	0.0	69.7	0.0
03/29/05	76.2	0.0	81.4	0.0	86.0	0.0	84.8	0.0	85.3	0.0	80.8	0.0	69.1	0.0
03/30/05	105.1	0.0	102.7	0.0	106.5	0.0	102.1	0.0	104.4	0.0	85.3	0.0	82.7	0.0
03/31/05	101.7	0.0	101.8	0.0	104.1	0.0	104.4	0.0	107.8	0.0	111.8	0.0	111.8	0.0
04/01/05	92.0	0.0	95.6	0.0	97.7	0.0	94.3	0.0	96.3	0.0	101.1	0.0	105.5	0.0
04/02/05	76.1	0.0	79.3	0.0	85.2	0.0	81.5	0.0	84.9	0.0	87.3	0.0	77.5	0.0
04/03/05	75.2	0.0	75.3	0.0	74.7	0.0	75.9	0.0	78.5	0.0	77.0	0.0	75.0	0.0
04/04/05	108.5	0.0	107.1	0.0	106.1	0.0	102.9	0.0	105.5	0.0	107.5	0.0	101.5	0.0
04/05/05	89.3	0.0	93.2	0.0	96.9	0.0	95.2	0.0	98.8	0.0	117.8	0.0	129.7	0.0
04/06/05	56.4	0.0	62.5	0.0	62.1	0.0	60.0	0.0	62.7	0.0	106.7	1.9	101.2	0.0
04/07/05	51.8	0.0	60.1	0.0	63.9	0.0	63.3	0.0	63.2	0.0	70.8	0.0	71.7	0.0

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

Date	Dworshak		Hells Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
03/25/05	1.6	0.0	11.4	12.5	21.8	0.0	17.1	0.0	16.6	0.0	16.2	0.0
03/26/05	1.6	0.0	11.8	12.7	24.3	0.0	24.7	0.0	25.4	0.0	24.9	0.0
03/27/05	1.6	0.0	13.2	11.7	25.0	0.0	25.9	0.0	26.6	0.0	26.5	0.0
03/28/05	1.6	0.0	17.7	13.6	34.7	0.0	39.7	0.0	41.4	0.0	44.1	0.0
03/29/05	1.6	0.0	21.5	19.6	48.0	0.0	53.1	0.0	59.1	0.0	56.7	0.0
03/30/05	1.6	0.0	19.5	19.6	43.5	0.0	43.7	0.0	48.3	0.0	49.9	0.0
03/31/05	1.5	0.2	15.1	19.5	41.6	0.0	41.2	0.0	39.0	0.0	35.6	0.2
04/01/05	1.6	0.0	14.9	19.3	38.9	0.0	31.8	0.0	33.2	0.0	32.4	0.0
04/02/05	1.6	0.0	13.5	18.4	38.3	0.0	39.2	0.0	42.7	0.0	44.0	0.0
04/03/05	1.6	0.0	13.3	16.4	36.1	0.0	34.7	0.0	36.2	0.0	35.0	0.0
04/04/05	2.5	0.0	13.1	18.5	33.9	0.0	33.1	0.0	33.3	0.0	32.6	0.2
04/05/05	4.3	0.0	13.6	19.2	41.1	0.0	40.7	0.0	42.4	0.0	44.0	3.2
04/06/05	4.3	0.0	12.2	16.4	42.9	0.0	40.0	0.0	42.9	0.0	41.2	2.9
04/07/05	4.3	0.0	---	---	37.7	0.0	38.1	0.0	39.6	0.0	40.5	13.0

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		
03/25/05	121.3	0.0	126.1	0.0	130.0	0.0	135.2	1.3	15.0	112.4
03/26/05	115.9	0.0	112.3	0.0	111.7	0.0	118.3	1.4	0.0	110.4
03/27/05	95.0	0.0	91.1	0.0	93.2	0.0	111.8	1.4	1.1	102.8
03/28/05	116.5	0.0	114.4	0.0	120.8	0.0	143.2	1.4	28.4	106.9
03/29/05	132.8	0.0	143.5	0.0	145.4	0.0	149.2	1.5	40.7	100.6
03/30/05	131.8	0.0	135.4	0.0	138.4	0.0	149.6	1.4	34.0	107.8
03/31/05	167.5	0.0	162.0	0.0	163.0	0.0	170.6	1.4	49.5	113.3
04/01/05	123.7	9.3	135.6	0.0	146.0	0.0	158.6	1.4	44.4	106.3
04/02/05	134.9	20.9	142.6	0.0	143.4	0.0	155.4	1.3	36.0	111.6
04/03/05	126.9	13.4	115.6	0.0	121.8	0.0	130.6	1.5	15.4	107.2
04/04/05	125.2	11.4	121.6	0.0	124.8	0.0	130.7	1.4	20.5	102.3
04/05/05	153.9	33.6	149.9	0.0	149.5	0.0	151.0	1.4	44.6	98.6
04/06/05	161.8	19.4	167.2	0.0	169.2	0.0	170.6	1.6	51.7	110.8
04/07/05	134.9	0.0	127.4	0.0	133.5	0.0	152.6	1.5	38.4	106.2

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: **3/25/2005** to **04/07/05**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2005	400,000	04-06-05	04-11-05	Red River Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2005	700,000	04-01-05	04-04-05	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	90,000	03-14-05	04-01-05	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	100,000	03-14-05	04-01-05	Squaw Cr Acclim Pond	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	215,000	03-17-05	04-05-05	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2005	445,000	03-24-05	03-31-05	Hazard Creek/Little Salmon R	Little Salmon River
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2005	830,000	04-02-05	04-08-05	Pahsimeroi Hatchery	Pahsimeroi River
Idaho Dept. of Fish and Game	Pahsimeroi Hatchery	CH1	SU	2005	975,252	03-22-05	04-04-05	Pahsimeroi Hatchery	Pahsimeroi River
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2005	2,760,000	03-14-05	04-22-05	Rapid River Hatchery	Little Salmon River
Idaho Dept. of Fish and Game	Sawtooth Hatchery	CH1	SP	2005	134,769	03-31-05	03-31-05	Sawtooth Hatchery	Salmon River (ID)
Idaho Dept. of Fish and Game Total					6,650,021				
Nez Perce Tribe	Hagerman NFH	ST	SU	2005	40,000	03-28-05	04-11-05	Hazard Creek/Little Salmon R	Little Salmon River
Nez Perce Tribe	Hagerman NFH	ST	SU	2005	160,000	03-28-05	04-11-05	Little Salmon River	Salmon River (ID)
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2005	69,200	03-28-05	04-14-05	Lostine Accim Pond	Wallowa River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2005	140,000	04-01-05	04-10-05	Big Canyon (Clearwater R)	Clearwater River M F
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2005	150,000	04-01-05	04-10-05	Pittsburg Landing Acclim Pond	Snake River
Nez Perce Tribe Total					559,200				
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2005	437,000	03-26-05	04-15-05	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	CH1	SP	2005	320,000	04-01-05	04-15-05	Bel. Pelton Ladder	Deschutes River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	ST	SU	2005	160,000	04-01-05	04-08-05	Bel. Pelton Ladder	Deschutes River
Oregon Dept. of Fish and Wildlife Total					917,000				
U.S. Fish and Wildlife Service	Dworshak NFH	CH1	SP	2005	1,070,000	04-01-05	04-08-05	Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2005	100,000	03-28-05	04-11-05	Little Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Kooskia NFH	CH1	SP	2005	620,000	03-21-05	04-04-05	Kooskia Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2005	739,000	03-16-05	04-13-05	Warm Springs Hatchery	Deschutes River
U.S. Fish and Wildlife Service Total					2,529,000				
Umatilla Tribe	Little White Salmon NFH	CH1	SP	2005	250,000	04-05-05	04-06-05	Walla Walla River	Walla Walla River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	1,000	03-24-05	04-14-05	Grande Ronde Acclim Pond	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	59,100	04-04-05	04-14-05	Catherine Cr Acclim Pond	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	98,023	03-18-05	03-29-05	Lookingglass Hatchery	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	104,300	03-24-05	04-14-05	Grande Ronde Acclim Pond	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	130,900	03-14-05	03-27-05	Catherine Cr Acclim Pond	Grande Ronde River
Umatilla Tribe Total					643,323				
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2005	45,000	03-24-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,800	04-07-05	05-04-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	29,800	04-01-05	04-29-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	44,500	03-28-05	05-04-05	Jones Creek Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	46,500	03-28-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe Total					205,600				
Washington Dept. of Fish and Wildlife	COOP	CH1	SP	2005	27,668	04-02-05	04-02-05	O'Reilly Pond	Methow River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2005	210,000	04-01-05	05-12-05	Turtle Rock Hatchery	Mid-Columbia 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	Lyons Ferry Hatchery	CH1	FA	2005	450,000	03-25-05	04-01-05	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	160,000	03-25-05	03-31-05	Cottonwood Acclim Pond	Grande Ronde River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	ST	SU	2005	104,000	04-04-05	04-15-05	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2005	65,000	04-01-05	04-20-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2005	125,000	04-01-05	04-20-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	84,000	04-04-05	06-03-05	Twisp River	Methow River
Washington Dept. of Fish and Wildlife Total					1,349,668				
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Lost Creek Acclim Pond	Yakama River
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	268,170	03-09-05	05-16-05	Easton Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	273,870	03-09-05	05-16-05	Clark Flat Acclim Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	284,016	03-09-05	05-16-05	Jack Creek Acclim Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Stiles Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe Total					2,026,056				
Grand Total					14,879,868				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From: **4/8/2005** to **4/21/2005**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Colville Tribe	Cassimer Bar Hatchery	ST	SU	2005	13,151	04-18-05	04-29-05	Omak Creek	Okanogan River
Colville Tribe	Leavenworth NFH	CH1	SP	2005	50,000	04-15-05	04-25-05	Omak Creek	Okanogan River
Colville Tribe	Leavenworth NFH	CH1	SP	2005	100,000	04-15-05	04-25-05	Bonaparte Acclimation Pond	Okanogan River
Colville Tribe Total					163,151				
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2005	400,000	04-06-05	04-11-05	Red River Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2005	100,000	04-14-05	04-16-05	Red River Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2005	150,000	04-19-05	04-21-05	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2005	260,000	04-19-05	04-21-05	Redhouse (SFk ClearH20 R)	S Fk Clearwater River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	13,500	04-20-05	04-22-05	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	30,000	04-18-05	04-20-05	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	40,000	04-15-05	04-18-05	Lemhi River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	80,000	04-15-05	04-18-05	Lemhi River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	130,000	04-11-05	04-15-05	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	180,000	04-18-05	04-22-05	McNabb/Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	200,000	04-20-05	04-22-05	Squaw Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	220,000	04-13-05	04-16-05	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	225,000	04-18-05	04-22-05	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2005	830,000	04-02-05	04-08-05	Pahsimeroi Hatchery	Pahsimeroi River
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2005	2,760,000	03-14-05	04-22-05	Rapid River Hatchery	Little Salmon River
Idaho Dept. of Fish and Game Total					5,618,500				
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	25,000	04-21-05	04-25-05	Meadow Creek - CLES	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	83,000	04-19-05	04-21-05	Crooked R Acclim Pond	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	150,000	04-13-05	04-22-05	Red River Acclim Pond	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	CO	UN	2005	235,000	04-20-05	05-06-05	Clear Creek	Clearwater River M F
Nez Perce Tribe	Dworshak NFH	ST	SU	2005	100,000	04-11-05	04-15-05	American River	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2005	100,000	04-11-05	04-15-05	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Hagerman NFH	ST	SU	2005	40,000	03-28-05	04-11-05	Hazard Creek/Little Salmon R	Little Salmon River
Nez Perce Tribe	Hagerman NFH	ST	SU	2005	160,000	03-28-05	04-11-05	Little Salmon River	Salmon River (ID)
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2005	69,200	03-28-05	04-14-05	Lostine Accim Pond	Wallowa River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2005	140,000	04-01-05	04-10-05	Big Canyon (Clearwater R)	Clearwater River M F
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2005	150,000	04-01-05	04-10-05	Pittsburg Landing Acclim Pond	Snake River
Nez Perce Tribe Total					1,252,200				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	90,000	04-11-05	04-15-05	Big Canyon Acclim.Pd (Grande	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	160,000	04-11-05	04-15-05	Big Sheep Creek	Imnaha River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	160,000	04-11-05	05-03-05	L Sheep Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	402,000	04-11-05	04-13-05	Wallowa Acclim Pond	Wallowa River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2005	437,000	03-26-05	04-15-05	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	CH1	SP	2005	320,000	04-01-05	04-15-05	Bel. Pelton Ladder	Deschutes River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	ST	SU	2005	160,000	04-01-05	04-08-05	Bel. Pelton Ladder	Deschutes River
Oregon Dept. of Fish and Wildlife Total					1,729,000				
U.S. Fish and Wildlife Service	Carson NFH	CH1	SP	2005	1,420,000	04-15-05	04-15-05	Carson Hatchery	Wind River
U.S. Fish and Wildlife Service	Dworshak NFH	CH1	SP	2005	1,070,000	04-01-05	04-08-05	Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2005	300,000	04-11-05	04-15-05	Clear Creek	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2005	300,000	04-11-05	04-15-05	Redhouse (SFk ClearH20 R)	S Fk Clearwater River
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2005	1,200,000	04-18-05	04-22-05	Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Entiat Hatchery	CH1	SP	2005	400,000	04-15-05	04-15-05	Entiat Hatchery	Entiat River
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2005	100,000	03-28-05	04-11-05	Little Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2005	750,000	04-13-05	05-03-05	Sawtooth Hatchery	Salmon River (ID)
U.S. Fish and Wildlife Service	Leavenworth NFH	CH1	SP	2005	1,450,000	04-15-05	04-15-05	Leavenworth Hatchery	Wenatchee River
U.S. Fish and Wildlife Service	Little White Salmon NFH	CH1	SP	2005	750,000	04-14-05	04-14-05	Little White Salmon Hatchery	Little White Salmon River
U.S. Fish and Wildlife Service	Spring Creek NFH	CH0	FA	2005	4,200,000	04-15-05	04-15-05	Spring Creek Hatchery	L Col R (D/s McN Dam)
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2005	739,000	03-16-05	04-13-05	Warm Springs Hatchery	Deschutes River
U.S. Fish and Wildlife Service	Winthrop NFH	CH1	SP	2005	167,000	04-15-05	04-15-05	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	CH1	SP	2005	394,000	04-15-05	04-15-05	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	ST	SU	2005	110,000	04-15-05	04-30-05	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service Total					13,350,000				

HATCHERY RELEASE NEXT TWO WEEKS

From: 4/8/2005 to 4/21/2005

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	1,000	03-24-05	04-14-05	Grande Ronde Acclim Pond	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	59,100	04-04-05	04-14-05	Catherine Cr Acclim Pond	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	104,300	03-24-05	04-14-05	Grande Ronde Acclim Pond	Grande Ronde River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	50,000	04-20-05	04-30-05	Minthorn Acclimation Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	50,000	04-20-05	04-30-05	Pendelton Acclim Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	55,000	04-20-05	04-30-05	Meacham Creek	Umatilla River
Umatilla Tribe Total					319,400				
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2005	45,000	03-24-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,500	04-08-05	05-02-05	E Fk Irrig Dist Sand Trap	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,800	04-07-05	05-04-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	29,800	04-01-05	04-29-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	44,500	03-28-05	05-04-05	Jones Creek Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	46,500	03-28-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe Total					245,100				
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SP	2005	10,000	04-19-05	05-07-05	Nason Creek	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SP	2005	222,000	04-19-05	05-14-05	Chiwawa Hatchery	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2005	210,000	04-01-05	05-12-05	Turtle Rock Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2005	350,000	04-19-05	04-30-05	Carlton Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2005	578,000	04-17-05	04-30-05	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	ST	SU	2005	39,000	04-18-05	05-06-05	Wenatchee River	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	ST	SU	2005	100,000	04-19-05	04-19-05	Nason Creek	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	Eastbank Hatchery	ST	SU	2005	153,000	04-19-05	05-17-05	Wenatchee River	Wenatchee River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	52,000	04-15-05	04-30-05	Baileysburg Bridge	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	60,000	04-15-05	04-30-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	60,000	04-15-05	04-30-05	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	85,000	04-15-05	04-30-05	Dayton Acclim Pond	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	100,000	04-15-05	04-30-05	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	100,000	04-15-05	04-30-05	Walla Walla River	Walla Walla River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2005	50,833	04-13-05	04-13-05	Twisp Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2005	69,882	04-14-05	04-14-05	Methow Hatchery	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2005	75,714	04-13-05	04-13-05	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2005	130,308	04-14-05	04-30-05	Chewuch Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	ST	SU	2005	104,000	04-04-05	04-15-05	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	WI	2005	17,500	04-11-05	04-15-05	Salmon Creek (WA)	Columbia River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2005	65,000	04-01-05	04-20-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2005	125,000	04-01-05	04-20-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH1	SU	2005	313,500	04-19-05	04-30-05	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	84,000	04-04-05	06-03-05	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	90,000	04-21-05	05-06-05	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	90,000	04-21-05	05-06-05	Methow River	Methow River
Washington Dept. of Fish and Wildlife Total					3,458,737				
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Lost Creek Acclim Pond	Yakama River
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	268,170	03-09-05	05-16-05	Easton Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	273,870	03-09-05	05-16-05	Clark Flat Acclim Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	284,016	03-09-05	05-16-05	Jack Creek Acclim Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Stiles Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe	Leavenworth NFH	CO	UN	2005	340,200	04-15-05	04-15-05	Leavenworth Hatchery	Wenatchee River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2005	415,000	04-11-05	05-10-05	Prosser Acclim Pond	Yakama River
Yakama Tribe	Winthrop NFH	CO	UN	2005	283,000	04-20-05	04-30-05	Winthrop Hatchery	Methow River
Yakama Tribe	Yakama Hatchery	CH0	FA	2005	41,000	04-11-05	04-20-05	Marion Drain	Yakama River
Yakama Tribe	Yakama Hatchery	CH0	FA	2005	150,000	04-11-05	05-20-05	Union Gap (Yakama R)	Yakama River
Yakama Tribe Total					3,255,256				
Grand Total					29,391,344				

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					
3/25	---	---	---	0	102	103	103	24	104	104	105	24	103	103	104	24	---	---	---	0
3/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/27	---	---	---	0	103	104	105	24	106	106	106	24	105	107	108	24	---	---	---	0
3/28	---	---	---	0	105	106	106	24	106	106	107	24	105	105	106	24	---	---	---	0
3/29	---	---	---	0	104	105	106	24	106	106	107	24	105	105	105	24	---	---	---	0
3/30	---	---	---	0	103	104	106	24	104	104	105	24	103	104	105	24	---	---	---	0
3/31	---	---	---	0	103	104	105	24	104	104	104	24	103	104	104	24	---	---	---	0
4/1	---	---	---	0	104	104	105	24	105	105	105	24	104	105	105	24	---	---	---	0
4/2	---	---	---	0	104	105	105	24	105	106	106	24	104	105	106	24	---	---	---	0
4/3	---	---	---	0	104	104	105	23	106	106	107	23	106	106	107	23	---	---	---	0
4/4	---	---	---	0	104	105	105	24	105	106	106	24	105	106	108	24	---	---	---	0
4/5	---	---	---	0	103	103	104	24	104	104	105	24	103	104	105	24	103	103	103	24
4/6	---	---	---	0	103	104	105	24	105	106	107	24	104	104	105	24	104	105	105	24
4/7	---	---	---	0	105	105	106	24	107	108	108	24	106	106	107	24	106	106	107	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					
3/25	---	---	---	0	---	---	---	0	---	---	---	0	103	103	103	24	103	103	103	24
3/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/27	---	---	---	0	---	---	---	0	---	---	---	0	106	107	107	24	106	106	106	24
3/28	---	---	---	0	---	---	---	0	---	---	---	0	107	107	107	24	106	107	107	24
3/29	---	---	---	0	---	---	---	0	---	---	---	0	106	106	106	24	106	106	106	24
3/30	---	---	---	0	---	---	---	0	---	---	---	0	103	103	104	24	103	103	104	24
3/31	---	---	---	0	104	104	104	14	104	104	104	14	102	103	103	24	102	102	103	24
4/1	---	---	---	0	105	105	105	24	105	105	105	24	104	104	104	24	104	104	104	24
4/2	---	---	---	0	104	105	105	24	104	105	105	24	105	105	106	24	105	106	106	24
4/3	---	---	---	0	105	106	106	22	105	105	106	22	107	107	107	21	107	107	107	21
4/4	---	---	---	0	104	105	105	24	105	105	106	24	105	106	107	24	105	106	106	24
4/5	104	105	106	24	103	103	103	24	103	103	103	24	103	103	103	24	103	103	103	24
4/6	106	107	108	24	104	105	105	23	104	105	105	23	104	105	106	24	105	106	106	24
4/7	107	108	108	24	106	106	107	24	106	107	107	24	107	107	107	24	107	107	108	24

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	Rock Island			Rock I. Tlwr			Wanapum			Wanapum Tlwr			Priest Rapids							
	24 h	12 h	#	24 h	12 h	#	24 h	12 h	#	24 h	12 h	#	24 h	12 h	#					
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High					
3/25	103	103	103	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/27	105	105	106	24	106	106	107	13	---	---	---	0	---	---	---	0	---	---	---	0
3/28	105	106	106	24	106	107	107	24	---	---	---	0	---	---	---	0	---	---	---	0
3/29	105	105	106	24	106	106	107	24	---	---	---	0	---	---	---	0	---	---	---	0
3/30	103	103	104	24	104	104	105	24	---	---	---	0	---	---	---	0	---	---	---	0
3/31	103	103	104	24	104	104	105	24	---	---	---	0	---	---	---	0	---	---	---	0
4/1	104	104	104	24	105	105	105	24	---	---	---	0	---	---	---	0	---	---	---	0
4/2	104	105	106	24	105	106	107	24	---	---	---	0	---	---	---	0	---	---	---	0
4/3	106	106	107	21	107	107	108	21	---	---	---	0	---	---	---	0	---	---	---	0
4/4	105	105	106	24	106	106	107	24	---	---	---	0	---	---	---	0	---	---	---	0
4/5	103	104	104	24	105	105	106	24	---	---	---	0	---	---	---	0	---	---	---	0
4/6	104	105	106	24	106	106	107	24	---	---	---	0	---	---	---	0	---	---	---	0
4/7	106	107	107	24	108	108	108	24	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<u>Priest R. Dnst</u>			#	<u>Pasco</u>			#	<u>Dworshak</u>			#	<u>Clrwtr-Peck</u>			#	<u>Anatone</u>			#
	<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High	
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg		
3/25	---	---	---	0	---	---	---	0	103	103	104	24	101	101	102	24	102	102	103	24
3/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/27	---	---	---	0	---	---	---	0	104	105	105	24	101	101	102	24	102	103	104	24
3/28	---	---	---	0	---	---	---	0	104	105	106	24	101	101	102	24	101	101	101	24
3/29	---	---	---	0	---	---	---	0	104	105	105	23	100	101	101	23	101	101	102	24
3/30	---	---	---	0	---	---	---	0	102	103	103	21	99	100	100	21	101	101	102	24
3/31	---	---	---	0	104	104	106	10	104	106	114	24	98	99	100	24	101	102	103	24
4/1	---	---	---	0	103	103	103	24	103	103	103	24	97	97	98	24	102	102	102	24
4/2	---	---	---	0	103	104	105	24	103	104	105	24	108	111	111	22	102	102	103	23
4/3	---	---	---	0	104	105	106	22	104	105	105	23	111	111	112	23	102	102	104	23
4/4	---	---	---	0	103	103	104	24	103	106	108	24	112	113	115	24	101	101	102	24
4/5	---	---	---	0	102	103	104	24	96	96	97	24	114	114	114	24	101	102	103	24
4/6	---	---	---	0	104	105	106	24	97	99	99	24	106	110	114	24	102	103	104	24
4/7	---	---	---	0	105	105	106	24	99	100	100	24	101	101	102	24	102	103	104	24

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>			#	<u>Lower Granite</u>			#	<u>L. Granite Tlwr</u>			#	<u>Little Goose</u>			#	<u>L. Goose Tlwr</u>			#
	<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High	
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg		
3/25	100	102	103	24	101	102	102	24	101	101	101	24	104	105	108	14	---	---	---	0
3/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/27	101	102	103	24	103	103	103	24	103	103	103	24	105	105	105	24	---	---	---	0
3/28	100	101	102	24	103	103	103	24	103	103	103	24	104	105	105	24	103	103	104	9
3/29	100	101	102	23	102	102	102	24	102	102	103	24	103	104	104	24	103	103	104	24
3/30	99	100	101	21	100	100	100	24	100	100	100	24	101	101	102	24	100	101	101	24
3/31	101	103	104	24	100	101	101	24	100	100	101	24	100	101	101	24	100	101	101	24
4/1	100	101	101	24	100	100	101	24	100	101	101	24	102	103	103	24	101	101	102	24
4/2	101	103	104	24	100	102	103	24	99	100	100	24	102	103	103	24	101	102	102	24
4/3	101	102	104	23	102	102	103	22	101	101	101	22	102	103	103	22	103	103	103	22
4/4	101	102	103	24	100	101	102	24	100	100	101	24	103	103	104	24	101	102	102	24
4/5	100	101	103	24	100	101	102	24	100	100	101	24	101	101	101	24	101	101	102	24
4/6	102	104	106	24	102	103	104	24	102	102	103	24	102	103	103	24	102	103	103	24
4/7	101	102	103	24	103	104	104	24	103	103	104	24	103	104	104	24	103	103	104	24

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

Date	<u>Lower Mon.</u>			#	<u>L. Mon. Tlwr</u>			#	<u>Ice Harbor</u>			#	<u>Ice Harbor Tlwr</u>			#	<u>McNary-Oregon</u>			#
	<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High	
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg		
3/25	---	---	---	0	---	---	---	0	106	106	107	24	107	108	109	24	105	106	108	20
3/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/27	---	---	---	0	---	---	---	0	107	107	108	24	108	108	108	24	106	107	108	24
3/28	105	105	106	13	105	105	106	12	107	107	107	24	107	108	109	24	105	105	106	24
3/29	104	105	105	24	104	105	106	24	106	107	107	24	106	107	107	24	105	105	106	24
3/30	101	102	103	24	102	102	104	24	103	103	105	24	103	103	104	24	102	103	103	24
3/31	101	101	102	24	101	101	102	24	103	103	104	24	103	104	106	24	102	103	104	24
4/1	102	102	102	24	102	102	103	24	104	104	104	24	103	104	104	24	102	103	104	24
4/2	102	102	103	24	102	102	103	24	104	104	105	24	104	104	105	24	104	106	108	24
4/3	102	102	103	22	104	104	109	22	105	106	106	22	105	106	106	22	106	107	109	22
4/4	102	102	103	24	102	103	103	24	104	105	105	24	104	104	105	24	104	105	106	24
4/5	101	101	102	24	102	102	103	24	103	103	104	24	105	107	109	24	105	106	109	24
4/6	103	103	104	24	103	104	105	24	104	105	106	24	106	107	109	24	105	106	107	24
4/7	104	104	104	24	104	105	106	24	105	106	106	24	108	111	114	24	106	106	106	24

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

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>McNary-Wash</u>			<u>McNary Tlwr</u>			<u>John Day</u>			<u>John Day Tlwr</u>			<u>The Dalles</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>AVG</u>	<u>High</u>	<u>#</u>	
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr
3/25	103	103	104	24	104	104	104	24	104	104	104	24	104	104	105	24	103	103	103	6
3/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/27	105	105	106	24	106	106	106	24	106	107	107	24	107	107	108	24	---	---	---	0
3/28	105	105	105	24	106	106	106	24	105	106	107	24	105	106	107	24	106	106	106	14
3/29	105	105	106	24	105	106	106	24	104	105	106	24	104	105	107	24	105	105	106	24
3/30	102	103	104	24	102	102	103	24	102	102	103	24	102	102	103	24	102	103	103	24
3/31	102	103	104	24	102	103	104	24	103	103	104	24	103	103	103	24	103	103	104	24
4/1	103	103	103	24	104	105	109	24	104	104	104	24	103	103	104	24	104	104	104	24
4/2	103	104	106	24	107	110	110	24	104	104	105	22	104	104	104	24	104	105	105	22
4/3	106	106	107	22	108	109	111	22	106	106	107	22	105	105	106	22	105	106	106	22
4/4	104	105	105	24	106	107	112	24	103	104	104	23	103	103	104	24	103	104	104	23
4/5	103	104	105	24	109	112	114	24	103	103	104	23	103	103	103	24	103	103	104	23
4/6	105	106	106	24	109	111	111	24	105	106	107	23	105	106	106	24	104	105	105	23
4/7	105	106	106	24	105	106	106	24	106	106	107	23	106	106	106	24	105	106	106	23

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>CamasWashugal</u>						
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>#</u>			
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr
3/25	103	104	104	23	104	104	104	24	105	105	105	24	105	106	106	23
3/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/27	106	106	106	23	105	105	105	24	105	106	106	24	105	105	106	19
3/28	105	105	106	23	105	105	105	24	105	106	106	24	104	105	105	23
3/29	104	105	105	23	103	104	104	24	104	105	105	24	104	104	105	23
3/30	102	102	103	23	102	102	102	24	103	103	104	24	102	103	104	23
3/31	102	103	104	23	102	103	104	24	104	104	105	24	103	104	105	23
4/1	104	104	104	23	103	104	104	24	104	105	105	24	104	105	106	23
4/2	104	105	105	23	104	104	105	22	105	105	106	22	105	107	108	23
4/3	106	106	106	23	105	105	106	22	106	106	106	22	105	106	106	19
4/4	104	104	105	24	104	104	105	23	105	105	106	23	105	105	106	24
4/5	103	104	104	24	103	104	104	23	104	105	105	23	104	105	105	24
4/6	105	105	106	24	105	105	106	23	106	106	107	23	105	107	107	24
4/7	106	106	111	24	106	106	106	13	106	106	107	23	106	106	107	24

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)	
03/25/2005	*	81	729	45	0	---	---	---	---	---	367	
03/26/2005		---	1,175	72	---	40	---	---	---	---	461	
03/27/2005		---	378	74	---	90	---	---	---	---	243	
03/28/2005	*	3,729	---	512	0	80	---	---	---	---	503	
03/29/2005	*	2,750	---	13	0	290	---	---	---	---	894	
03/30/2005	*	1,855	4,516	81	7	480	---	---	---	---	859	
03/31/2005		2,075	11,755	364	10	280	---	---	---	---	671	
04/01/2005	*	748	---	504	4	450	---	---	---	---	1,285	
04/02/2005	*	---	---	237	---	633	19	320	0	---	1,561	
04/03/2005	*	---	1,220	269	---	800	25	2,210	0	1,314	1,438	
04/04/2005	*	364	1,985	91	3	880	72	3,360	4	---	1,461	
04/05/2005		331	1,862	127	1	1,040	48	1,180	0	1,058	2,500	
04/06/2005	*	326	1,197	83	2	4,740	73	1,540	1	---	2,546	
04/07/2005	*	182	---	---	5	3,650	123	4,110	0	1,104	3,234	
04/08/2005	*	---	---	---	---	---	---	---	2	---	2,701	

Total:		12,441	24,817	2,472	32	13,453	360	12,720	7	3,476	33,433	20,724
# Days:		10	9	13	10	13	6	6	7	3	7	15
Average:		1,244	2,757	190	3	1,035	60	2,120	1	1,159	4,776	1,382
YTD		17,093	34,093	2,976	34	13,453	360	12,720	7	3,476	33,433	29,395

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)	
03/25/2005	*	0	0	0	1	---	---	---	---	---	2,728	
03/26/2005		---	0	0	---	0	---	---	---	---	1,932	
03/27/2005		---	0	0	---	0	---	---	---	---	1,408	
03/28/2005	*	0	---	4	2	0	---	---	---	---	1,947	
03/29/2005	*	0	---	6	31	0	---	---	---	---	4,316	
03/30/2005	*	0	0	1	2	0	---	---	---	---	9,619	
03/31/2005		0	6	0	8	0	---	---	---	---	15,731	
04/01/2005	*	0	---	0	7	0	---	---	---	---	18,646	
04/02/2005	*	---	---	1	---	0	0	0	9	---	6,092	
04/03/2005	*	---	0	0	---	60	1	0	0	23	2,718	
04/04/2005	*	0	0	1	14	20	1	0	1	---	1,727	
04/05/2005		0	2	0	7	0	0	0	4	18	1,875	
04/06/2005	*	0	0	0	0	400	2	0	3	---	1,537	
04/07/2005	*	0	---	---	3	275	0	0	13	100	1,765	
04/08/2005	*	---	---	---	---	---	---	---	37	---	1,227	

Total:		0	8	13	75	755	4	0	67	141	10	73,268
# Days:		10	9	13	10	13	6	6	7	3	7	15
Average:		0	1	1	8	58	1	0	10	47	1	4,885
YTD		0	11	13	100	755	4	0	67	141	10	913,297

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)
03/25/2005	*	0	0	0	0	---	---	---	---	---	45
03/26/2005		---	0	0	---	0	---	---	---	---	56
03/27/2005		---	0	0	---	0	---	---	---	---	243
03/28/2005	*	0	---	0	0	0	---	---	---	---	493
03/29/2005	*	0	---	0	10	0	---	---	---	---	616
03/30/2005	*	0	0	0	22	0	---	---	---	---	487
03/31/2005		0	0	0	1	0	---	---	---	---	678
04/01/2005	*	0	---	0	0	0	---	---	---	---	958
04/02/2005	*	---	---	0	---	29	0	0	0	---	794
04/03/2005	*	---	0	0	---	60	0	0	0	70	706
04/04/2005	*	0	0	0	1	240	1	0	2	---	664
04/05/2005		0	0	0	0	120	0	0	3	18	938
04/06/2005	*	0	0	0	0	520	0	0	0	---	1,189
04/07/2005	*	0	---	---	0	225	6	0	0	21	1,347
04/08/2005	*	---	---	---	---	---	---	---	0	---	1,055
<hr/>											
Total:		0	0	0	34	1,194	7	0	5	39	10,269
# Days:		10	9	13	10	13	6	6	7	3	15
Average:		0	0	0	3	92	1	0	1	13	685
YTD		0	0	0	35	1,194	7	0	5	39	10,681

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)
03/25/2005	*	1	0	0	0	---	---	---	---	---	22
03/26/2005		---	0	0	---	10	---	---	---	---	17
03/27/2005		---	1	0	---	70	---	---	---	---	15
03/28/2005	*	20	---	15	3	50	---	---	---	---	21
03/29/2005	*	0	---	1	20	150	---	---	---	---	123
03/30/2005	*	3	62	16	56	400	---	---	---	---	243
03/31/2005		4	78	124	66	1,020	---	---	---	---	136
04/01/2005	*	0	---	155	72	550	---	---	---	---	213
04/02/2005	*	---	---	42	---	7,703	16	40	0	---	138
04/03/2005	*	---	2	34	---	5,000	34	210	0	504	157
04/04/2005	*	21	11	7	41	6,200	83	100	4	---	199
04/05/2005		28	11	11	37	11,020	54	100	0	378	89
04/06/2005	*	26	19	0	50	13,200	105	200	1	---	238
04/07/2005	*	24	---	---	16	7,075	210	1,590	0	427	367
04/08/2005	*	---	---	---	---	---	---	---	0	---	263
<hr/>											
Total:		127	184	405	361	52,448	502	2,240	5	1,309	2,241
# Days:		10	9	13	10	13	6	6	7	3	15
Average:		13	20	31	36	4,034	84	373	1	436	149
YTD		138	297	405	371	52,448	502	2,240	5	1,309	2,636

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)	(INDEX)
03/25/2005	*	0	0	0	0	---	---	---	---	---	---	0
03/26/2005		---	0	0	---	30	---	---	---	---	---	0
03/27/2005		---	0	0	---	40	---	---	---	---	---	5
03/28/2005	*	0	---	0	0	40	---	---	---	---	---	0
03/29/2005	*	0	---	0	1	30	---	---	---	---	---	6
03/30/2005	*	0	0	0	0	30	---	---	---	---	---	0
03/31/2005		0	0	0	0	10	---	---	---	---	---	7
04/01/2005	*	0	---	0	0	0	---	---	---	---	---	0
04/02/2005	*	---	---	0	---	147	2	0	0	---	0	0
04/03/2005	*	---	0	0	---	40	4	20	0	12	0	0
04/04/2005	*	0	0	0	0	40	7	20	0	---	0	0
04/05/2005		0	0	0	0	20	7	0	0	6	0	0
04/06/2005	*	0	0	0	0	100	7	20	0	---	0	0
04/07/2005	*	0	---	---	0	100	14	0	0	0	20	0
04/08/2005	*	---	---	---	---	---	---	---	0	---	0	0
<hr/>												
Total:		0	0	0	1	627	41	60	0	18	20	18
# Days:		10	9	13	10	13	6	6	7	3	7	15
Average:		0	0	0	0	48	7	10	0	6	3	1
YTD		0	0	0	1	627	41	60	0	18	20	18

* 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.

Cumulative Adult Passage at Mainstem Dams Through: 04/07

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	63	0	1,914	0	13,058	21	0	0	0	0	0	0	0	0	0	0	0	0
TDA	25	0	606	4	3,799	5	0	0	0	0	0	0	0	0	0	0	0	0
JDA	10	-4	278	0	2,063	0	0	0	0	0	0	0	0	0	0	0	0	0
MCN	3	0	123	1	932	1	0	0	0	0	0	0	0	0	0	0	0	0
IHR	0	0	115	5	398	0	0	0	0	0	0	0	0	0	0	0	0	0
LMN	0	0	56	0	133	0	0	0	0	0	0	0	0	0	0	0	0	0
LGS	2	0	43	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
LWG	1	0	15	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RRH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	344	1	1,109	0	n/a	n/a	---	---	---	---	---	---	0	0	0	0	0	n/a

DAM	Coho						Sockeye			Steelhead			
	2005		2004		10-Yr Avg.		10-Yr		10-Yr			Wild	
	Adult	Jack	Adult	Jack	Adult	Jack	2005	2004	Avg.	2005	2004	Avg.	2005
BON	0	0	0	0	0	0	0	0	0	167	1,625	1,248	11
TDA	0	0	0	0	0	0	0	0	0	114	370	312	54
JDA	1	0	0	0	0	0	0	0	0	198	547	982	112
MCN	0	0	0	0	0	0	0	0	0	280	456	576	108
IHR	0	0	0	0	0	0	0	0	0	219	891	670	153
LMN	0	0	0	0	0	0	0	0	0	289	751	720	131
LGS	0	0	0	0	0	0	0	0	0	322	794	728	125
LWG	0	0	0	0	0	0	0	0	0	3,822	6,071	4,814	1,059
PRD	0	0	0	0	0	0	0	0	0	0	0	0	n/a
RIS	0	0	0	0	0	0	0	0	0	0	0	0	0
RRH	0	0	0	0	0	0	0	0	0	0	0	0	0
WEL	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	0	0	0	0	n/a	n/a	0	0	n/a	4,551	9,811	n/a	n/a

WFA is through 04/04.

MCN is missing 04/02.

*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: 04/08/05

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

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

Two Week Transportation Summary

Source: Fish Passage Center

Updated:

4/8/05 10:58 AM

03/26/05 TO 04/08/05

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	755	13,453	1,194	627	52,448	68,477
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	71	844	92	18	2,347	3,372
	Sum of Numbertrucked	404	8,883	871	487	43,015	53,660
	Sum of SampleMorts	5	5	0	6	1	17
	Sum of FacilityMorts	0	86	6	17	11	120
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	5	91	6	23	12	137
LGS	Sum of NumberCollected	4	360		41	502	907
	Sum of NumberBarged	0	0		0	0	0
	Sum of NumberBypassed	0	0		0	0	0
	Sum of Numbertrucked	4	223		27	291	545
	Sum of SampleMorts	0	5		0	1	6
	Sum of FacilityMorts	0	10		0	0	10
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	0	15		0	1	16
LMN	Sum of NumberCollected		12,720		60	2,240	15,020
	Sum of NumberBarged		0		0	0	0
	Sum of NumberBypassed		0		0	0	0
	Sum of Numbertrucked		12,712		60	2,235	15,007
	Sum of SampleMorts		1		0	0	1
	Sum of FacilityMorts		7		0	5	12
	Sum of ResearchMorts		0		0	0	0
	Sum of TotalProjectMorts		8		0	5	13
MCN	Sum of NumberCollected	130	3,036	35	15	1,146	4,362
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	129	3,031	35	15	1,145	4,355
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	1	2	0	0	0	3
	Sum of FacilityMorts	0	3	0	0	1	4
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1	5	0	0	1	7
Total Sum of NumberCollected		889	29,569	1,229	743	56,336	88,766
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		200	3,875	127	33	3,492	7,727
Total Sum of Numbertrucked		408	21,818	871	574	45,541	69,212
Total Sum of SampleMorts		6	13	0	6	2	27
Total Sum of FacilityMorts		0	106	6	17	17	146
Total Sum of ResearchMorts		0	0	0	0	0	0
Total Sum of TotalProjectMorts		6	119	6	23	19	173

