



# Fish Passage Center Weekly Report #06 - 5

April 7, 2006

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## Summary of Events:

**Water Supply:** Precipitation throughout the Columbia Basin has varied between 64% and 120% of average at individual sub-basins over March. Precipitation above The Dalles over March has been 89% of average. Over the entire water year, precipitation has been above average at all list locations.

**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 2006		Water Year 2006	
	March 1-27		October 1, 2005 to March 27, 2006	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.21	78	15.49	110
Snake River Above Ice Harbor	1.55	108	12.88	128
Columbia Above The Dalles	1.48	89	15.74	112
Kootenai	1.17	76	16.75	117
Clark Fork	1.02	97	10.67	121
Flathead	1.06	74	14.68	123
Pend Oreille/Spokane	2.38	98	22.68	114
Central Washington	0.46	64	7.51	129
Snake River Plain	1.17	119	7.75	130
Salmon/Boise/Payette	2.04	120	17.56	140
Clearwater	2.56	105	19.98	109
SW Washington Cascades/Cowlitz	4.19	68	56.41	107
Willamette Valley	4.84	87	51.71	116

Snowpack within the Columbia Basin is above average. Average snowpack in the Columbia River for basins above the Snake River confluence is 110% of average, for Snake River Basins the average snowpack is 134% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack is 129% of average.

Table 2 displays the February Final, March Final, and April Early runoff volume forecasts for multiple reservoirs. Water Supply Forecasts dropped slightly between the forecasts; however, the current forecasts are very near or slightly above average. The April Early forecast at The Dalles between January and July is 105000 Kaf (98% of average). The April final forecast is expected to be released sometime today (4-7-06).

**Table 2. February Final, March Final, and April Early Runoff Volume Forecasts for various reservoirs within the Columbia and Snake River Basins.**

Location	February Final		March Final		April Early	
	% Average (1971-2000)	Probable Runoff Volume (Kaf)	% Average (1971-2000)	Probable Runoff Volume (Kaf)	% Average (1971-2000)	Probable Runoff Volume (Kaf)
The Dalles (Jan-July)	103	111000	100	107000	98	105000
Grand Coulee (Jan-July)	100	62700	98	61900	96	60600
Libby Res. Inflow, MT (Jan-July)	101	6380	98	6200	95	6020
Hungry Horse Res. Inflow, MT (Jan-July)	106	2350	106	2360	103	2290
Lower Granite Res. Inflow (Apr-July)	115	24800	109	23400	114	24500
Brownlee Res. Inflow (Apr-July)	127	8010	110	6940	110	6970
Dworshak Res. Inflow (Apr-July)	103	2730	99	2620	100	2650

Grand Coulee Reservoir is at 1251.2 feet (4-6-06) and has drafted 3.6 feet over the last week. The interpolated Biological Opinion April 10th shifted elevation (between end of March and April 15th flood control) is 1248.4 feet.

The Libby Reservoir is currently at elevation 2403.6 feet (4-6-06) and drafted 0.4 feet last week. Outflows have been 6.2 Kcfs over the last week. The interpolated Biological Opinion April 10th flood control elevation at Libby is 2404.1 feet

Hungry Horse is currently at an elevation of 3525.7 feet (4-6-06) and drafted 0.7 feet last week. Outflows at Hungry Horse have been increased to 7.4 Kcfs over the last week. The interpolated Biological Opinion April 10th elevation is 3523.5 feet.

Dworshak is currently at an elevation of 1532.7 feet (4-6-06) and refilled 0.5 feet last week; outflows at Dworshak have been near 10 Kcfs over the last week. The interpolated Biological Opinion April 10th local flood control elevation is 1538.3 feet.

The Brownlee Reservoir was at an elevation of 2036.7 feet on April 6th, 2006 (refilled 6.4 feet last week). Outflows at Brownlee have been as high as 60.8 Kcfs over the last week. The interpolated Biological Opinion April 10th local flood control elevation is 2033.1 feet.

The Biological Opinion flow period began on April 3rd in the lower Snake River (Lower Granite) and will begin on April 10th in the mid (Priest Rapids) and lower (McNary) Columbia River. According to the last Water Supply Forecast (April Early), the flow objectives this spring will be 100 Kcfs at Lower Granite, 257 Kcfs at McNary, and 135 Kcfs at Priest Rapids. Flows at Lower Granite are currently (4-6-06) 119.2 Kcfs; flows at McNary are currently 251.5 Kcfs.

**Spill:** Spill operations for fish passage at the Lower Snake River projects began on April 3, 2006 and is in accordance with the December 29, 2005 District Court Order and Opinion. The salmon management agencies and tribes also requested that these projects' be drafted to their minimum operating pool elevations (MOP), as required by the Biological Opinion coincident with the April 3, 2006 beginning of spill. Spill for fish passage Lower Granite, Little Goose, Lower Monumental and Ice Harbor dams was 32%, 29%, 43% and 64% of average daily flow, respectively.

Spill for fish passage is scheduled to begin on April 10 at Lower Columbia River projects. In the meantime spill for reasons other than fish passage is occurring at the Lower Columbia Projects.

**Smolt Monitoring:** Catch of spring migrants increased rapidly this past week as early spring Chinook hatchery releases passed tributary traps and hatchery steelhead were collected at Lower Granite Dam. This week traps on the Salmon River and Imnaha River collected large numbers of clipped yearling Chinook as large hatchery releases from the past two weeks passed the sites. At the Salmon River Trap they captured over 2,000 yearlings on consecutive days beginning on April 5. Flows began increasing April 4 from 7 kcfs to 14 kcfs today as measured at the USGS gage near White Bird. At the Imnaha River Trap, they collected over 4,000 yearling Chinook on April 1. Flows at that trap, which have been above normal for the past ten days, also increased on April 4 coincident with a large rain event in the region. At the Grande Ronde Trap, they continued to collect relatively large numbers of yearling Chinook, over the past week, but numbers dropped off sharply on April 6. High flows may have disrupted normal sampling at the site. At the Snake River Trap near Lewiston, the catch of yearling Chinook jumped to 360 fish on April 6 as flows in the Snake River came up from 50 kcfs on April 4 to 100 kcfs on April 7, in response to releases at Hells Canyon as well as high flows in most major tributaries.

At Lower Granite Dam yearling Chinook and steelhead indices continued to increase

steadily over the past week. In the sample these early migrants are a mixed group, made up of hatchery and wild spring Chinook, as well as a dwindling number of holdover fall Chinook. Based on PIT-tag detections since April 1, the wild yearling Chinook marks come from three primary sources; early spring marking at the Grande Ronde River Trap; fish marked last fall and early spring this year in the Imnaha River; as well as fish marked last fall at Lolo Creek, Newsome Creek and Meadow Creek in the Clearwater River basin. The largest number of hatchery PIT-tag detects this first week of April are from fall releases in Lolo Creek and Newsome Creek from the Middle Fork Clearwater River. The holdover fall Chinook this past week, again based on PIT-tag detections, are exclusively Clearwater River fish; of the 54 PIT-tags detected in April 51 were late season hatchery releases at Big Canyon Creek Acclimation Pond (release dates between June 21 and July 8, 2005), and a three wild fish marked in the Clearwater River during similar time period. Steelhead indices increased rapidly the first few days of sampling, and have remained around 4,000 fish daily, with about 9 out of 10 fish fin-clipped. The largest source of PIT-tagged wild steelhead juveniles detected this past week at Lower Granite Dam, were released in Fish Creek, in the Clearwater River basin last fall as well as some 2004 marks. Sockeye have been collected in unusually large numbers this spring at the project, and are thought to be kokanee washed out from above Dworshak Dam. Typically Upper Salmon River sockeye are seen in May and June at Lower Granite Dam.

Monitoring began at Little Goose, Lower Monumental dams in the Snake River this past week, as well as at Rock Island and John Day dams on the Columbia River. All SMP sites are now monitoring outmigrant juvenile salmon. In addition Gas Bubble Trauma monitoring will begin this next week at several dams. Of these sites John Day Dam had the highest number of fish pass, with the first day index of over 1,000 yearling Chinook.

At Bonneville Dam the yearling Chinook index passed 2,000 on April 6, as did the index for Coho, while the subyearling Chinook index passed 1,000 that same day. Most of the yearling Chinook

continue to be fin clipped, hatchery origin fish. A few holdover fall Chinook continue to show up in the sample each day. Two PIT-tagged holdover fall Chinook were detected at Bonneville this past week; both were Clearwater River origin fish, one each hatchery and wild marks. Subyearling Chinook collections were split between clipped and unclipped fish. In addition almost all the unclipped subs continue to be classified as "fry"-- meaning fish under 60mm.

**Adult Fish Passage** -Lower Granite Dam began reporting counts on March 1 and at the remaining mainstem COE projects, counting began 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.

Currently, adult counts at Bonneville Dam are updated through April 6th, 2006. Between March 15th and April 6th, 95 spring Chinook adults had passed Bonneville Dam; this compares to 54 spring Chinook adults over the same period last year and 11,374 over the same period on a ten-year average. Daily steelhead passage numbers at Bonneville Dam have ranged between 31 and 74 over the last week.

At upriver sites, adult steelhead continue to move through the hydro system to reach their tributaries and spawning sites. The majority of these fish have over-wintered in the pools and will complete their trip to the spawning grounds in March through early May. Counts at Lower Granite have ranged between 124 and 218 adult steelhead last week. The total adult steelhead passing Lower Granite Dam from January 1st has been 4,389 adult steelhead, this compares to 3,833 steelhead over the same period last year and 4,563 steelhead over a ten-year average.

**Hatchery Releases:**

**Snake River:** Releases of yearling Chinook at Sawtooth Hatchery began this past week, while volitional releases of yearling Chinook continue at Pahsimeroi River and Rapid River hatcheries. Lookingglass Hatchery releases at Lostine Acclimation Pond have are scheduled to continue through mid-April. Lookingglass Hatchery also released at the Grande Ronde Acclimation facility as well as on-site releases from the hatchery and releases into the Imnaha River were also made over the past week. Dworshak and Kooskia NFHs began releases of their yearling spring Chinook during this week. Summer steelhead releases from Niagara Springs Hatchery into the Little Salmon River began this past week. Lyons Ferry Yearling Fall Chinook at held at Pittsburgh Landing Acclimation Pond were released early this week due to high flows (70 kcfs) from Hells Canyon that threatened to wash away pumps at the facility.

Volitional release of the Tucannon R yearling Chinook began on 3/15 and should continue for about a month, while summer steelhead released into the Tucannon began April 3 and will continue through the end of the month. The Clearwater Hatchery releases of yearling Chinook are ongoing and should be completed over the next week or so.

**Mid-Columbia** - Releases of coho began this past week from multiple hatcheries into the Metthow, Mid-Columbia, Wenatchee, and Yakima Rivers. Volitional releases of yearling spring Chinook commenced mid-March in the Yakama River at Clark Flat, Easton, and Jack Creek ponds and volitional release of these fish will continue through mid-May. The upper Mid-Columbia spring Chinook and steelhead will be released from Federal and State hatcheries in mid-April through mid-May, normally coinciding with the spill program.

**Lower Columbia** - Yearling Chinook releases from Warm Springs NFH in to Deschutes River basin are ongoing through this week with the completion from this hatchery by late April. About 2.7 million yearling coho from Washougal H were released during this week in the Klickitat River. In addition, in the Hood River there were ongoing volitional releases of yearling Chinook, from Round

Butte Hatchery, at acclimation facilities, while winter steelhead from Oaks Springs Hatchery were released also released at multiple sites.

**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
03/24/06	99.3	0.0	99.0	0.0	99.5	0.0	95.0	0.0	96.5	0.0	94.7	0.0	90.9	0.0
03/25/06	76.0	0.0	81.0	0.0	80.0	0.0	81.8	0.0	84.0	0.0	86.8	0.0	83.3	0.0
03/26/06	29.0	0.0	34.9	0.0	53.0	0.0	61.6	0.0	65.2	0.0	88.1	0.0	89.3	0.0
03/27/06	78.3	0.0	76.8	0.0	62.9	0.0	57.9	0.0	58.6	0.0	77.5	0.0	83.2	0.0
03/28/06	71.7	0.0	69.4	0.0	74.3	0.0	78.5	0.0	80.3	0.0	77.0	0.0	72.6	0.0
03/29/06	112.4	0.0	110.9	0.0	106.7	0.0	100.7	0.0	100.5	0.0	83.3	0.0	82.0	0.0
03/30/06	74.6	0.0	79.7	0.0	88.2	0.0	91.7	0.0	97.4	0.0	106.0	0.0	101.9	1.2
03/31/06	57.9	0.0	66.5	0.0	77.1	0.0	79.3	0.0	82.6	0.0	100.8	0.0	97.0	0.0
04/01/06	110.6	0.0	106.3	0.0	93.3	0.0	87.8	0.0	89.0	0.0	93.3	0.0	94.4	0.0
04/02/06	87.2	0.0	81.2	0.0	82.8	0.0	89.3	0.0	93.8	0.0	99.8	0.0	94.2	0.0
04/03/06	120.9	0.0	126.9	0.0	121.8	0.2	115.1	0.0	116.3	0.0	105.7	0.8	107.8	0.0
04/04/06	112.4	0.0	111.4	0.0	116.0	0.0	119.6	0.0	122.9	0.0	122.7	0.0	117.3	0.0
04/05/06	114.4	0.0	114.0	0.0	113.7	0.0	112.5	0.0	115.0	0.0	120.0	0.0	121.3	0.0
04/06/06	88.0	0.0	93.1	0.0	102.4	0.0	105.9	0.0	108.7	0.0	121.7	0.0	123.7	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
03/24/06	1.7	0.0	27.3	33.0	46.9	0.0	49.3	0.0	52.7	0.0	51.9	0.0
03/25/06	2.4	0.0	30.0	33.3	48.6	0.0	49.6	0.0	52.0	0.0	51.4	0.0
03/26/06	2.4	0.0	37.6	37.2	54.3	0.0	51.7	0.0	51.3	0.0	50.9	0.0
03/27/06	3.5	0.0	38.3	36.1	65.1	0.0	67.4	0.0	72.3	0.0	70.9	0.0
03/28/06	9.3	0.0	34.7	34.5	66.1	0.0	65.3	0.0	67.9	0.0	68.5	0.0
03/29/06	10.1	0.0	35.3	36.2	63.2	0.0	66.2	0.0	69.5	0.0	66.3	0.0
03/30/06	9.9	0.0	36.8	36.5	63.7	0.0	65.5	0.0	71.4	0.0	71.0	0.0
03/31/06	7.8	0.0	37.7	36.5	68.9	0.0	65.8	0.0	69.5	0.0	69.2	0.0
04/01/06	9.3	0.0	42.7	36.6	69.4	0.0	70.2	0.0	71.6	0.0	73.0	0.0
04/02/06	10.1	0.0	42.9	36.6	73.6	0.0	72.1	0.0	75.4	0.0	74.2	0.1
04/03/06	10.1	0.0	41.4	36.6	72.6	20.8	79.1	23.7	88.5	40.3	87.9	53.5
04/04/06	10.1	0.0	43.1	39.6	73.8	24.0	77.3	23.2	80.9	40.3	82.7	58.7
04/05/06	10.3	0.0	54.0	58.1	95.6	37.0	95.9	27.0	97.7	40.6	99.2	66.9
04/06/06	10.5	0.0	---	---	119.2	35.1	116.1	33.2	119.5	40.7	123.4	72.2

**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		
03/24/06	106.5	0.0	103.8	0.0	105.8	0.0	115.3	1.3	31.5	76.3
03/25/06	126.3	0.0	124.8	0.0	128.9	0.0	144.9	1.3	53.0	84.5
03/26/06	130.9	0.0	129.4	0.0	129.1	0.0	136.3	1.3	44.6	84.7
03/27/06	158.9	0.0	166.2	0.0	166.9	0.0	166.0	1.4	67.7	90.8
03/28/06	156.0	0.0	174.0	0.0	181.9	0.0	194.2	1.4	83.3	103.1
03/29/06	153.1	0.0	157.1	0.0	156.5	0.0	169.7	1.3	68.0	93.9
03/30/06	163.2	0.0	176.7	0.0	179.4	0.0	179.0	1.4	71.5	99.7
03/31/06	176.1	0.0	187.6	0.0	190.3	0.0	203.6	1.3	84.2	111.5
04/01/06	161.3	0.0	164.2	0.0	164.6	0.0	188.5	1.5	75.8	104.8
04/02/06	163.4	0.0	174.2	0.0	179.1	0.0	199.8	1.2	81.0	111.0
04/03/06	201.8	57.8	194.8	0.0	197.1	0.0	191.3	1.5	80.3	103.0
04/04/06	191.1	53.0	205.2	0.0	209.2	0.0	218.5	12.6	85.3	114.2
04/05/06	237.7	100.6	217.7	17.2	213.5	15.0	221.3	16.8	82.6	115.4
04/06/06	251.5	119.8	274.9	45.8	275.0	46.3	283.8	73.9	84.1	119.2

# HATCHERY RELEASE LAST TWO WEEKS

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	41,000	03-29-06	04-05-06	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	42,000	03-27-06	04-07-06	Red River	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	82,000	03-23-06	04-14-06	Powell Acclim Pond	Lochsa River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	138,000	03-29-06	04-05-06	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	342,000	03-23-06	04-06-06	Powell Acclim Pond	Lochsa River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	381,000	03-27-06	04-07-06	Red River	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	571,000	03-29-06	04-05-06	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2006	170,000	03-31-06	04-24-06	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2006	175,000	03-29-06	03-31-06	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2006	525,000	03-20-06	03-29-06	Hells Canyon Dam	Snake River
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2006	830,000	04-05-06	04-21-06	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Pahsimeroi Hatchery	CH1	SU	2006	1,074,000	03-15-06	03-28-06	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2006	2,635,000	03-13-06	04-21-06	Rapid River	Little Salmon River
Idaho Dept. of Fish and Game	Sawtooth Hatchery	CH1	SP	2006	1,554,000	04-03-06	04-21-06	Sawtooth Hatchery	Salmon River (ID)
<b>Idaho Dept. of Fish and Game Total</b>					<b>8,560,000</b>				
Nez Perce Tribe	Clearwater Hatchery	CH1	SP	2006	317,000	04-03-06	04-07-06	Meadow Creek - SELW	Selway River
Nez Perce Tribe	Eagle Creek NFH	CO	UN	2006	238,912	03-07-06	03-31-06	Potlatch River	Clearwater River M F
Nez Perce Tribe	Eagle Creek NFH	CO	UN	2006	267,088	03-10-06	03-31-06	Lapwai Creek	Clearwater River M F
Nez Perce Tribe	Hagerman NFH	ST	SU	2006	42,000	04-05-06	04-05-06	Hazard Creek/Little Salmon R	Little Salmon River
Nez Perce Tribe	Hagerman NFH	ST	SU	2006	160,000	03-27-06	04-05-06	Hazard Creek/Little Salmon R	Little Salmon River
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2006	135,800	03-28-06	04-17-06	Lostine Accim Pond	Wallowa River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2006	150,000	04-05-06	04-06-06	Pittsburg Landing Acclim Pond	Snake River
<b>Nez Perce Tribe Total</b>					<b>1,310,800</b>				
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	300	03-27-06	04-12-06	Grande Ronde Acclim Pond	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	15,918	03-30-06	03-30-06	Imnaha River	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	45,843	03-30-06	03-30-06	Imnaha River	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	59,167	03-30-06	03-30-06	Imnaha River	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	63,864	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	64,105	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	64,167	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	64,357	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	64,404	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	110,000	03-17-06	04-05-06	Lookingglass Hatchery	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	120,000	04-03-06	04-03-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	ST	SU	2006	162,000	03-28-06	04-06-06	Bel. Pelton Ladder	Deschutes River
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>834,125</b>				
U.S. Fish and Wildlife Service	Dworshak NFH	CH1	SP	2006	1,010,000	03-21-06	04-09-06	Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Kooskia NFH	CH1	SP	2006	630,000	03-24-06	04-04-06	Clear Creek	Clearwater River M F
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2006	568,250	03-30-06	04-26-06	Warm Springs Hatchery	Deschutes River
<b>U.S. Fish and Wildlife Service Total</b>					<b>2,208,250</b>				
Umatilla Tribe	Little White Salmon NFH	CH1	SP	2006	250,000	03-28-06	03-29-06	Walla Walla River	Walla Walla River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2006	18,700	03-27-06	04-12-06	Grande Ronde Acclim Pond	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2006	23,300	03-27-06	04-12-06	Catherine Cr Acclim Pond	Grande Ronde River
<b>Umatilla Tribe Total</b>					<b>292,000</b>				
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2006	17,062	04-05-06	04-05-06	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2006	5,000	03-22-06	03-29-06	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2006	7,875	03-29-06	03-29-06	E Fk Irrig Dist Sand Trap	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2006	11,000	04-06-06	04-28-06	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2006	17,500	03-27-06	04-27-06	E Fk Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	19,950	04-04-06	04-04-06	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	19,950	04-04-06	04-04-06	Jones Creek Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	33,000	03-21-06	05-04-06	Parkdale Acclim Pond	Hood River
<b>Warm Springs Tribe Total</b>					<b>131,337</b>				

# HATCHERY RELEASE LAST TWO WEEKS (con't)

Agency	From: Hatchery	3/24/2006 Species	to Race	04/06/06 MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH1	FA	2006	450,000	04-05-06	04-10-06	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH1	SP	2006	65,000	03-15-06	04-18-06	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2006	199,800	04-03-06	04-23-06	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	ST	SU	2006	65,000	04-03-06	04-30-06	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Washougal Hatchery	CO	UN	2006	2,700,000	03-27-06	03-29-06	Klickitat River	Klickitat River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>3,479,800</b>				
Yakama Tribe	Cascade Hatchery	CO	UN	2006	70,000	04-06-06	04-06-06	Winthrop Hatchery	Methow River
Yakama Tribe	Cascade Hatchery	CO	UN	2006	74,000	04-06-06	04-06-06	Coulter Creek	Wenatchee River
Yakama Tribe	Cascade Hatchery	CO	UN	2006	74,000	04-06-06	04-06-06	Nason Creek	Wenatchee River
Yakama Tribe	Cascade Hatchery	CO	UN	2006	140,000	04-06-06	04-06-06	Wells Hatchery	Mid-Columbia River
Yakama Tribe	Cascade Hatchery	CO	UN	2006	330,000	04-06-06	04-06-06	Icicle Creek	Wenatchee River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	231,551	03-15-06	05-14-06	Jack Creek Acclim Pond	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	273,636	03-15-06	05-14-06	Easton Pond	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	280,667	03-15-06	05-14-06	Clark Flat Acclim Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2006	68,000	03-31-06	04-07-06	Prosser Acclim Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2006	97,484	04-03-06	04-03-06	Lost Creek Acclim Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2006	97,484	04-03-06	04-03-06	Stiles Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2006	97,484	04-03-06	04-03-06	Yakama River	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2006	97,484	04-03-06	04-03-06	Yakama River	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2006	389,440	03-31-06	04-07-06	Naches River	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2006	18,750	04-06-06	04-06-06	Lost Creek Acclim Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2006	18,750	04-06-06	04-06-06	Stiles Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2006	18,750	04-06-06	04-06-06	Yakama River	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2006	69,630	04-06-06	04-06-06	Prosser Acclim Pond	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2006	40,000	04-03-06	04-03-06	Yakama River	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2006	50,000	04-03-06	04-03-06	Lost Creek Acclim Pond	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2006	50,000	04-03-06	04-03-06	Stiles Pond	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2006	50,000	04-03-06	04-03-06	Yakama River	Yakima River
Yakama Tribe	Willard Hatchery	CO	UN	2006	33,000	04-06-06	04-06-06	Nason Creek	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2006	67,000	04-06-06	04-06-06	Coulter Creek	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2006	401,000	04-06-06	04-06-06	Icicle Creek	Wenatchee River
Yakama Tribe	Winthrop NFH	CO	UN	2006	40,000	04-06-06	04-06-06	Winthrop Hatchery	Methow River
Yakama Tribe	Winthrop NFH	CO	UN	2006	190,000	04-06-06	04-06-06	Winthrop Hatchery	Methow River
Yakama Tribe	Winthrop NFH	CO	UN	2006	245,241	03-19-06	04-30-06	Winthrop Hatchery	Methow River
<b>Yakama Tribe Total</b>					<b>3,632,101</b>				
<b>Grand Total</b>					<b>20,448,413</b>				

**HATCHERY RELEASE NEXT TWO WEEKS**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	42,000	03-27-06	04-07-06	Red River	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	82,000	03-23-06	04-14-06	Powell Acclim Pond	Lochsa River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2006	381,000	03-27-06	04-07-06	Red River	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2006	20,000	04-12-06	04-21-06	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2006	51,000	04-14-06	04-24-06	Red River	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2006	57,000	04-12-06	04-21-06	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2006	63,000	04-12-06	04-21-06	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2006	64,000	04-17-06	04-21-06	S Fk Clearwater River	Clearwater River M F
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2006	84,000	04-12-06	04-21-06	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2006	99,700	04-14-06	04-24-06	Red River	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2006	226,000	04-17-06	04-21-06	S Fk Clearwater River	Clearwater River M F
Idaho Dept. of Fish and Game	Dworshak NFH	ST	SU	2006	1,200,000	04-17-06	04-21-06	Clearwater River	Snake River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	10,000	04-17-06	04-18-06	Hayden Creek Hatchery	Lemhi River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	10,000	04-17-06	04-18-06	Hayden Creek Hatchery	Lemhi River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	20,000	04-17-06	04-18-06	Lemhi River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	30,000	04-19-06	04-19-06	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	31,000	04-10-06	04-11-06	Squaw Cr Acclim Pond	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	40,000	04-17-06	04-18-06	Hayden Creek Hatchery	Lemhi River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	40,000	04-17-06	04-18-06	Lemhi River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	60,000	04-10-06	04-11-06	Squaw Cr Acclim Pond	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	80,000	04-17-06	04-17-06	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	102,000	04-12-06	04-14-06	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	110,000	04-12-06	04-14-06	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	122,000	04-19-06	04-20-06	McNabb/Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2006	248,000	04-11-06	04-14-06	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2006	170,000	03-31-06	04-24-06	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2006	830,000	04-05-06	04-21-06	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2006	2,635,000	03-13-06	04-21-06	Rapid River	Little Salmon River
Idaho Dept. of Fish and Game	Sawtooth Hatchery	CH1	SP	2006	1,554,000	04-03-06	04-21-06	Sawtooth Hatchery	Salmon River (ID)
<b>Idaho Dept. of Fish and Game Total</b>					<b>8,461,700</b>				
Nez Perce Tribe	Clearwater Hatchery	CH1	SP	2006	317,000	04-03-06	04-07-06	Meadow Creek - SELW	Selway River
Nez Perce Tribe	Clearwater Hatchery	CO	UN	2006	30,000	04-15-06	04-15-06	Orofino Creek	Clearwater River M F
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2006	44,000	04-14-06	04-24-06	Red River	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2006	46,000	04-14-06	04-24-06	Red River	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2006	100,000	04-10-06	04-14-06	American River	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2006	100,000	04-10-06	04-14-06	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Irrigon Hatchery Complex	ST	SU	2006	162,000	04-11-06	04-13-06	Big Sheep Creek	Imnaha River
Nez Perce Tribe	Irrigon Hatchery Complex	ST	SU	2006	162,000	04-11-06	05-02-06	L Sheep Acclim Pond	Imnaha River
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2006	135,800	03-28-06	04-17-06	Lostine Accim Pond	Wallowa River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2006	130,000	04-13-06	04-14-06	Big Canyon (Clearwater River)	Clearwater River M F
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2006	150,000	04-10-06	04-10-06	Cpt John Acclim Pond	Snake River
<b>Nez Perce Tribe Total</b>					<b>1,376,800</b>				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2006	95,000	04-12-06	04-13-06	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2006	95,000	04-13-06	04-14-06	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2006	421,000	04-09-06	04-11-06	Wallowa Acclim Pond	Wallowa River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	300	03-27-06	04-12-06	Grande Ronde Acclim Pond	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	63,864	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	64,105	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	64,167	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	64,357	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2006	64,404	03-21-06	04-14-06	Imnaha Acclim Pond	Imnaha River
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>932,197</b>				



# HATCHERY RELEASE NEXT TWO WEEKS (con't)

Agency	From: Hatchery	4/7/2006 Species	Race	to MigYr	4/20/2006 NumRel	RelStart	RelEnd	RelSite	RelRiver
U.S. Fish and Wildlife Service	Dworshak NFH	CH1	SP	2006	1,010,000	03-21-06	04-09-06	Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2006	300,000	04-10-06	04-14-06	Clear Creek	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2006	300,000	04-10-06	04-14-06	S Fk Clearwater River	Clearwater River M F
U.S. Fish and Wildlife Service	Entiat Hatchery	CH1	SP	2006	330,000	04-10-06	04-10-06	Entiat Hatchery	Entiat River
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2006	98,000	04-07-06	04-12-06	Little Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2006	740,000	04-14-06	05-05-06	Salmon River (ID)	Salmon River (ID)
U.S. Fish and Wildlife Service	Leavenworth NFH	CH1	SP	2006	1,006,000	04-17-06	04-17-06	Icicle Creek	Wenatchee River
U.S. Fish and Wildlife Service	Little White Salmon NFH	CH1	SP	2006	250,000	04-20-06	04-20-06	Little White Salmon River	Little White Salmon Ri
U.S. Fish and Wildlife Service	Little White Salmon NFH	CH1	SP	2006	750,000	04-13-06	04-13-06	Little White Salmon River	Little White Salmon Ri
U.S. Fish and Wildlife Service	Spring Creek NFH	CH1	FA	2006	4,200,000	04-17-06	04-17-06	Spring Creek Hatchery	L Col R (D/s McN Dan
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2006	568,250	03-30-06	04-26-06	Warm Springs Hatchery	Deschutes River
U.S. Fish and Wildlife Service	Winthrop NFH	CH1	SP	2006	485,000	04-17-06	04-21-06	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	CO	UN	2006	42,000	04-20-06	04-30-06	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	CO	UN	2006	75,000	04-20-06	04-30-06	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	CO	UN	2006	194,000	04-20-06	04-30-06	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	ST	SU	2006	102,000	04-14-06	04-30-06	Winthrop Hatchery	Methow River
<b>U.S. Fish and Wildlife Service Total</b>					<b>10,450,250</b>				
Umatilla Tribe	Bonneville Hatchery	CH1	FA	2006	244,295	04-15-06	04-30-06	Thornhollow Acclim Pond	Umatilla River
Umatilla Tribe	Little White Salmon NFH	CH1	SP	2006	182,284	04-15-06	04-30-06	Imeques Acclim Pond	Umatilla River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2006	18,700	03-27-06	04-12-06	Grande Ronde Acclim Pond	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2006	23,300	03-27-06	04-12-06	Catherine Cr Acclim Pond	Grande Ronde River
<b>Umatilla Tribe Total</b>					<b>468,579</b>				
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2006	12,000	04-13-06	04-18-06	W Fk Hood River	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2006	17,049	04-19-06	04-19-06	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2006	11,000	04-06-06	04-28-06	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2006	17,500	03-27-06	04-27-06	E Fk Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	15,000	04-11-06	04-17-06	W Fk Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	15,000	04-11-06	04-17-06	W Fk Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	19,950	04-18-06	04-18-06	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	33,000	03-21-06	05-04-06	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SU	2006	19,950	04-18-06	04-18-06	Jones Creek Acclim Pond	Hood River
<b>Warm Springs Tribe Total</b>					<b>160,449</b>				
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2006	401,000	04-15-06	05-01-06	Carlton Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH1	FA	2006	450,000	04-05-06	04-10-06	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH1	SP	2006	65,000	03-15-06	04-18-06	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2006	50,000	04-15-06	04-30-06	Baileysburg Bridge	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2006	60,000	04-15-06	04-30-06	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2006	85,000	04-15-06	04-30-06	Dayton Acclim Pond	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2006	100,000	04-15-06	04-30-06	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2006	100,000	04-15-06	04-30-06	Walla Walla River	Walla Walla River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2006	160,000	04-15-06	04-30-06	Cottonwood Acclim Pond	Grande Ronde River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2006	65,000	04-15-06	05-01-06	Methow River	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2006	99,500	04-15-06	05-01-06	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2006	206,000	04-15-06	05-01-06	Chewuch Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	CH1	SP	2006	480,000	04-10-06	04-30-06	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	ST	SU	2006	280,000	04-10-06	04-30-06	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	WI	2006	4,500	04-17-06	04-17-06	Salmon Creek (WA)	Columbia River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2006	199,800	04-03-06	04-23-06	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	ST	SU	2006	65,000	04-03-06	04-30-06	Tucannon River	Tucannon River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>2,870,800</b>				
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	231,551	03-15-06	05-14-06	Jack Creek Acclim Pond	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	273,636	03-15-06	05-14-06	Easton Pond	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	280,667	03-15-06	05-14-06	Clark Flat Acclim Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2006	68,000	03-31-06	04-07-06	Prosser Acclim Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2006	389,440	03-31-06	04-07-06	Naches River	Yakima River
Yakama Tribe	Leavenworth NFH	CO	UN	2006	115,088	04-15-06	04-15-06	Leavenworth Hatchery	Wenatchee River
Yakama Tribe	Leavenworth NFH	CO	UN	2006	610,951	04-15-06	04-15-06	Leavenworth Hatchery	Wenatchee River
Yakama Tribe	Prosser Acclim. Pond	CH1	FA	2006	125,000	04-15-06	04-15-06	Prosser Acclim Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CH1	FA	2006	125,000	04-15-06	04-15-06	Stiles Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CH1	FA	2006	1,700,000	04-15-06	04-15-06	Prosser Acclim Pond	Yakima River
Yakama Tribe	Wells Hatchery	CO	UN	2006	149,804	04-19-06	04-30-06	Wells Hatchery	Mid-Columbia River
Yakama Tribe	Winthrop NFH	CO	UN	2006	74,800	04-19-06	04-30-06	Winthrop Hatchery	Methow River
Yakama Tribe	Winthrop NFH	CO	UN	2006	245,241	03-19-06	04-30-06	Winthrop Hatchery	Methow River
Yakama Tribe	Yakama Hatchery	CH1	FA	2006	2,000	04-15-06	04-15-06	Marion Drain	Yakima River
<b>Yakama Tribe Total</b>					<b>4,391,178</b>				
<b>Grand Total</b>					<b>29,111,953</b>				

## 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	<u>Hungry H. Dnst</u>			<u>Boundary</u>			<u>Grand Coulee</u>			<u>Grand C. Tlwr</u>			<u>Chief Joseph</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		
3/24	---	---	---	0	104	104	106	24	104	104	104	24	103	103	105	24	103	103	103	24
3/25	---	---	---	0	104	105	106	24	104	105	105	24	104	104	105	24	103	104	104	23
3/26	---	---	---	0	104	105	106	24	103	103	104	24	102	103	104	24	102	103	103	24
3/27	---	---	---	0	104	106	107	24	104	104	105	24	104	105	107	24	103	104	104	24
3/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/29	---	---	---	0	106	107	109	24	105	105	106	24	104	104	106	24	104	104	105	24
3/30	---	---	---	0	106	107	108	24	104	105	105	24	104	104	106	24	104	105	105	23
3/31	---	---	---	0	106	107	108	24	105	105	106	24	105	105	107	24	104	105	105	24
4/1	---	---	---	0	106	106	107	24	105	105	105	24	104	105	105	24	104	104	104	22
4/2	---	---	---	0	105	106	107	24	104	104	105	24	103	104	104	24	103	103	104	24
4/3	---	---	---	0	106	106	107	24	105	105	105	24	104	104	105	24	104	104	105	24
4/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/5	---	---	---	0	106	107	108	24	106	106	107	24	105	105	107	24	105	105	105	24
4/6	---	---	---	0	105	106	106	24	106	106	106	24	104	104	105	24	104	104	104	24

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

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. 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		
3/24	103	104	105	20	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/25	105	105	106	23	---	---	---	0	---	---	---	0	98	98	98	24	98	98	99	24
3/26	104	104	105	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/27	104	105	106	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/29	104	105	105	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/30	105	105	106	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/31	105	105	106	24	105	105	105	15	105	105	106	15	98	98	98	24	98	98	98	24
4/1	104	104	105	22	105	105	105	24	105	105	105	24	98	98	98	24	98	98	98	24
4/2	104	104	105	24	103	103	104	23	103	104	104	23	98	98	98	22	98	98	98	22
4/3	104	105	105	24	103	104	104	24	104	104	104	24	98	98	98	24	98	98	98	24
4/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/5	105	106	107	24	104	105	105	24	105	105	105	24	98	98	98	24	98	98	99	24
4/6	104	105	106	22	104	104	104	24	104	104	105	24	98	98	98	24	98	98	98	24

### Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</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		
3/24	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/25	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/26	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/27	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/29	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/30	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/31	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
4/1	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
4/2	98	98	98	22	99	99	99	22	---	---	---	0	---	---	---	0	---	---	---	0
4/3	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
4/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/5	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
4/6	98	98	98	24	99	99	99	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>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>		
3/24	---	---	---	0	106	106	108	11	103	104	105	24	102	103	104	24	104	105	105	24
3/25	---	---	---	0	105	105	105	24	99	99	100	24	100	100	101	24	103	104	104	24
3/26	---	---	---	0	102	103	104	24	97	98	98	24	98	99	100	24	102	104	104	24
3/27	---	---	---	0	104	105	106	24	97	98	99	24	99	100	102	24	105	106	106	21
3/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/29	---	---	---	0	105	106	106	24	96	97	97	24	98	98	99	24	103	103	104	24
3/30	---	---	---	0	105	106	106	24	95	96	96	24	98	99	99	24	104	104	105	24
3/31	---	---	---	0	105	106	107	24	96	96	97	24	99	99	100	24	104	104	105	24
4/1	---	---	---	0	103	104	105	24	96	96	97	16	98	98	99	24	103	103	104	24
4/2	---	---	---	0	102	103	103	23	95	95	96	11	98	99	100	23	103	104	105	23
4/3	---	---	---	0	104	104	105	24	96	96	96	24	98	99	99	24	104	105	105	24
4/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/5	---	---	---	0	104	105	105	24	97	97	97	24	99	99	99	24	105	106	106	24
4/6	---	---	---	0	103	104	105	24	96	96	99	8	98	99	99	24	106	107	107	23

### 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>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>			<u>Avg</u>			
3/24	102	104	106	24	104	104	104	24	104	104	104	24	104	104	105	24	103	103	104	24
3/25	100	101	102	24	104	105	105	24	104	104	105	24	105	105	105	24	104	105	105	24
3/26	99	101	102	24	103	103	104	24	102	103	104	24	103	103	104	24	102	102	104	24
3/27	101	102	103	24	103	104	104	24	103	103	104	24	103	104	104	24	103	103	104	24
3/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/29	99	100	101	24	103	103	103	24	102	103	103	24	104	104	105	24	103	104	106	24
3/30	100	101	102	24	103	104	104	24	103	104	104	23	103	104	105	24	103	103	104	24
3/31	100	102	103	24	103	103	104	24	103	103	103	11	103	104	105	24	103	104	104	24
4/1	99	100	100	24	102	102	103	24	101	102	102	24	103	103	103	24	102	103	103	24
4/2	100	101	103	23	102	102	102	23	102	103	111	23	102	102	103	23	102	103	112	23
4/3	100	101	102	24	102	103	103	24	111	113	113	24	103	103	103	24	112	112	113	24
4/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/5	99	100	100	24	104	104	105	19	116	118	120	19	103	104	106	24	112	113	113	24
4/6	99	99	100	24	102	102	103	24	114	116	118	24	107	108	108	24	114	115	117	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>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>			<u>Avg</u>			
3/24	103	104	104	23	103	104	104	23	102	103	103	24	100	102	104	24	104	105	105	24
3/25	104	105	105	24	105	106	111	24	104	104	104	24	100	100	101	24	105	105	106	24
3/26	103	103	104	24	103	103	104	24	102	103	103	24	100	100	101	24	103	103	104	24
3/27	103	104	104	24	103	104	104	24	104	104	105	24	101	102	103	24	104	104	105	24
3/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/29	104	104	105	24	104	104	104	24	105	105	105	24	103	104	104	24	104	104	104	24
3/30	103	103	104	24	103	103	104	24	104	104	104	24	104	104	104	16	104	106	107	24
3/31	104	104	105	24	104	104	105	24	104	104	104	24	104	104	104	24	106	107	108	24
4/1	103	103	104	24	103	104	104	24	104	104	104	24	103	104	104	24	104	105	105	24
4/2	102	102	102	22	103	103	116	23	102	103	103	23	103	104	117	23	104	105	105	23
4/3	103	103	103	24	116	116	117	24	103	103	103	24	115	116	117	24	104	104	105	24
4/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/5	110	110	111	24	116	117	117	24	112	113	114	24	118	119	123	24	104	105	106	24
4/6	109	109	110	24	117	117	117	24	112	113	113	24	119	122	123	24	107	107	108	24

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

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

Date	<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>					
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	AVG	High					
3/24	104	105	105	24	105	105	106	24	105	105	105	24	104	104	104	24	104	105	105	24
3/25	105	106	106	24	106	106	107	24	105	105	106	24	104	105	105	24	105	105	106	24
3/26	103	103	104	24	104	104	105	24	104	104	104	24	103	103	103	24	103	103	104	24
3/27	104	104	104	24	105	105	106	24	105	106	106	24	104	105	105	24	105	106	106	24
3/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/29	104	104	105	24	105	105	105	24	106	106	106	23	105	105	106	24	105	105	106	24
3/30	105	105	106	24	105	105	105	24	105	106	106	24	105	106	106	24	105	105	106	24
3/31	106	106	107	24	106	106	106	24	106	107	107	24	105	106	106	24	106	106	107	24
4/1	105	105	107	24	105	105	106	24	105	106	106	24	105	105	105	24	105	106	106	24
4/2	104	105	105	23	105	105	114	23	105	105	105	23	104	105	105	22	105	105	105	23
4/3	104	104	105	24	111	115	115	24	106	106	106	24	105	105	105	24	105	106	106	24
4/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/5	106	106	107	24	117	120	121	24	106	106	107	24	110	113	113	24	106	106	106	24
4/6	104	104	105	24	118	119	120	24	104	104	105	24	114	115	115	24	105	105	105	24

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

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>Camas\Washougal</u>			<u>Cascade Island</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>					
	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High	Avg	Avg	High					
3/24	104	104	105	24	104	104	104	24	105	105	106	24	105	105	106	24	111	112	117	17
3/25	104	105	105	24	105	105	105	24	105	106	107	24	105	106	106	24	113	114	116	17
3/26	103	103	103	24	103	103	104	24	104	104	105	24	104	105	106	24	114	114	117	17
3/27	104	105	106	24	104	105	106	24	105	105	105	24	104	105	106	24	113	114	116	17
3/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
3/29	104	105	105	24	105	105	106	24	105	105	106	24	105	105	106	24	112	113	116	17
3/30	104	105	105	24	104	104	105	24	105	105	105	24	105	106	107	24	116	117	120	16
3/31	106	106	107	24	105	105	105	24	105	106	106	24	105	106	107	24	119	119	121	17
4/1	105	106	106	24	105	105	105	24	105	105	106	22	105	106	106	24	118	118	121	17
4/2	105	105	105	23	104	105	105	23	105	105	105	22	104	105	106	22	120	121	122	17
4/3	105	106	106	24	105	105	106	24	105	105	106	23	105	105	106	24	117	118	123	17
4/4	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/5	107	108	109	24	106	106	106	24	106	107	107	23	107	107	108	24	115	116	116	17
4/6	109	110	111	24	104	104	105	24	107	108	109	23	105	106	106	24	117	119	120	17

## Two-Week Summary of Passage Indices

\* One or more of the sites on this date had an incomplete or biased sample.

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

For clip information see: <http://www.fpc.org/CurrentDaily/catch.htm>

For sockeye and yearling chinook (Snake only) race information see: <http://www.fpc.org/smoltqueries/currentsmpsubmitdata.asp>

<b>COMBINED YEARLING CHINOOK</b>												
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)	
03/24/2006	0	103	174	2	---	---	---	---	---	---	211	
03/25/2006	0	3,720	230	2	---	---	---	---	---	---	165	
03/26/2006	23	1,620	841	1	70	---	---	---	---	---	123	
03/27/2006	41	1,147	202	15	120	---	---	---	---	---	284	
03/28/2006	43	611	372	13	280	---	---	---	---	---	322	
03/29/2006	28	402	154	12	430	---	---	---	---	---	392	
03/30/2006	22	646	129	27	400	---	---	---	---	---	385	
03/31/2006	44	220	444	15	400	---	---	---	---	---	357	
04/01/2006	108	4,380	308	9	1,760	---	---	---	---	---	447	
04/02/2006	*	854	2,936	866	22	4,800	4	---	1	---	511	
04/03/2006	*	225	1,287	315	15	5,392	0	---	2	91	452	
04/04/2006	*	252	651	320	42	6,316	0	0	7	---	1,060	675
04/05/2006	*	2,147	42	205	98	7,931	19	0	10	157	694	890
04/06/2006	*	2,293	---	8	362	8,543	0	0	6	---	726	1,181
04/07/2006	---	---	---	---	---	---	---	---	---	---	---	---
<hr/>												
<b>Total:</b>	<b>6,080</b>	<b>17,765</b>	<b>4,568</b>	<b>635</b>	<b>36,442</b>	<b>23</b>	<b>0</b>	<b>26</b>	<b>248</b>	<b>2,480</b>	<b>6,395</b>	
<b># Days:</b>	<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>12</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>14</b>	
<b>Average:</b>	<b>434</b>	<b>1,367</b>	<b>326</b>	<b>45</b>	<b>3,037</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>124</b>	<b>827</b>	<b>457</b>	
<b>YTD</b>	<b>6,118</b>	<b>17,895</b>	<b>5,254</b>	<b>649</b>	<b>36,442</b>	<b>23</b>	<b>0</b>	<b>26</b>	<b>248</b>	<b>2,480</b>	<b>31,677</b>	

<b>COMBINED SUBYEARLING CHINOOK</b>												
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)	
03/24/2006	0	0	0	1	---	---	---	---	---	---	918	
03/25/2006	0	0	1	0	---	---	---	---	---	---	689	
03/26/2006	0	4	0	1	0	---	---	---	---	---	652	
03/27/2006	0	0	0	1	0	---	---	---	---	---	619	
03/28/2006	0	0	0	1	0	---	---	---	---	---	791	
03/29/2006	0	0	0	1	0	---	---	---	---	---	841	
03/30/2006	0	0	0	1	0	---	---	---	---	---	323	
03/31/2006	0	0	0	0	50	---	---	---	---	---	757	
04/01/2006	0	0	0	0	10	---	---	---	---	---	705	
04/02/2006	*	0	0	0	3	80	1	---	7	---	643	
04/03/2006	*	0	0	1	0	66	0	---	39	60	724	
04/04/2006	*	0	1	0	0	0	0	12	57	---	0	617
04/05/2006	*	0	0	0	6	0	0	0	38	579	0	483
04/06/2006	*	0	---	0	0	32	0	0	128	---	0	435
04/07/2006	---	---	---	---	---	---	---	---	---	---	---	---
<hr/>												
<b>Total:</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>15</b>	<b>238</b>	<b>1</b>	<b>12</b>	<b>269</b>	<b>639</b>	<b>0</b>	<b>9,197</b>	
<b># Days:</b>	<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>12</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>14</b>	
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>4</b>	<b>54</b>	<b>320</b>	<b>0</b>	<b>657</b>	
<b>YTD</b>	<b>3</b>	<b>30</b>	<b>5</b>	<b>15</b>	<b>238</b>	<b>1</b>	<b>12</b>	<b>269</b>	<b>639</b>	<b>0</b>	<b>764,875</b>	

## Two-Week Summary of Passage Indices

COMBINED COHO											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
03/24/2006	0	0	0	0	---	---	---	---	---	---	7
03/25/2006	0	0	0	0	---	---	---	---	---	---	12
03/26/2006	0	0	0	0	0	---	---	---	---	---	32
03/27/2006	0	0	0	0	0	---	---	---	---	---	19
03/28/2006	0	0	0	0	0	---	---	---	---	---	29
03/29/2006	0	0	0	0	0	---	---	---	---	---	64
03/30/2006	0	0	0	0	0	---	---	---	---	---	151
03/31/2006	0	0	0	0	0	---	---	---	---	---	136
04/01/2006	0	0	0	0	0	---	---	---	---	---	154
04/02/2006	*	0	0	0	0	0	---	0	---	---	238
04/03/2006	*	0	0	0	1	0	---	1	0	---	313
04/04/2006	*	0	0	0	0	28	0	0	---	0	438
04/05/2006	*	0	0	0	0	0	0	0	7	0	453
04/06/2006	*	0	---	0	4	0	0	0	1	---	901
04/07/2006	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>2,947</b>
<b># Days:</b>	<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>12</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>211</b>
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>3,065</b>

COMBINED STEELHEAD											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
03/24/2006	0	0	1	2	---	---	---	---	---	---	0
03/25/2006	0	2	0	0	---	---	---	---	---	---	12
03/26/2006	0	16	0	2	20	---	---	---	---	---	19
03/27/2006	0	17	0	1	210	---	---	---	---	---	0
03/28/2006	0	30	1	3	880	---	---	---	---	---	15
03/29/2006	0	22	0	6	2,580	---	---	---	---	---	14
03/30/2006	0	6	0	6	2,980	---	---	---	---	---	7
03/31/2006	0	8	0	8	3,330	---	---	---	---	---	21
04/01/2006	0	1	2	2	4,420	---	---	---	---	---	35
04/02/2006	*	2	8	4	4,560	15	---	0	---	---	70
04/03/2006	*	4	15	1	4,098	0	---	1	150	---	56
04/04/2006	*	6	12	0	4,024	0	98	0	---	60	72
04/05/2006	*	6	1	9	4,113	189	0	1	271	100	136
04/06/2006	*	4	---	10	3,372	0	0	1	---	134	148
04/07/2006	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	<b>22</b>	<b>138</b>	<b>28</b>	<b>76</b>	<b>34,587</b>	<b>204</b>	<b>98</b>	<b>3</b>	<b>421</b>	<b>294</b>	<b>605</b>
<b># Days:</b>	<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>12</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>14</b>
<b>Average:</b>	<b>2</b>	<b>11</b>	<b>2</b>	<b>5</b>	<b>2,882</b>	<b>41</b>	<b>33</b>	<b>1</b>	<b>211</b>	<b>98</b>	<b>43</b>
<b>YTD</b>	<b>22</b>	<b>156</b>	<b>29</b>	<b>78</b>	<b>34,587</b>	<b>204</b>	<b>98</b>	<b>3</b>	<b>421</b>	<b>294</b>	<b>775</b>

## Two-Week Summary of Passage Indices

Date	COMBINED SOCKEYE										
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
03/24/2006	0	0	0	0	---	---	---	---	---	---	0
03/25/2006	0	0	0	0	---	---	---	---	---	---	6
03/26/2006	0	0	0	0	60	---	---	---	---	---	0
03/27/2006	0	0	0	0	30	---	---	---	---	---	0
03/28/2006	0	0	0	0	10	---	---	---	---	---	0
03/29/2006	0	0	0	0	10	---	---	---	---	---	0
03/30/2006	0	0	0	0	0	---	---	---	---	---	0
03/31/2006	0	0	0	0	10	---	---	---	---	---	0
04/01/2006	0	0	0	0	20	---	---	---	---	---	0
04/02/2006	*	0	0	0	300	0	---	0	---	---	0
04/03/2006	*	0	0	0	285	0	---	0	0	---	0
04/04/2006	*	0	0	0	252	0	0	0	---	0	0
04/05/2006	*	0	0	0	499	9	0	0	0	0	23
04/06/2006	*	0	---	0	514	0	0	0	---	0	8
04/07/2006	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,990</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>
<b># Days:</b>	<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>12</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>166</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,990</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>117</b>

\* 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  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse 2 Flow} / (\text{Powerhouse 1 \& 2 Flow} + \text{Spill}) \}$
- MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts  
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse 2 Flow} / (\text{Powerhouse 1 \& 2 Flow} + \text{Spill}) \}$

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:

4/7/06 9:12 AM

**03/25/06 TO 04/07/06**

		Species						
Site	Data	CH0	CH1	CO	SO	ST	Grand Total	
<b>LGR</b>	Sum of NumberCollected	220	28,420	20	1,540	30,500	60,700	
	Sum of NumberBarged	0	0	0	0	0	0	
	Sum of NumberBypassed	219	28,402	20	1,535	30,493	60,669	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	1	17	0	5	7	30	
	Sum of FacilityMorts	0	1	0	0	0	1	
	Sum of ResearchMorts	0	0	0	0	0	0	
	Sum of TotalProjectMorts	1	18	0	5	7	31	
<b>LGS</b>	Sum of NumberCollected	1	17			6	147	171
	Sum of NumberBarged	0	0			0	0	0
	Sum of NumberBypassed	1	17			6	146	170
	Sum of Numbertrucked	0	0			0	0	0
	Sum of SampleMorts	0	0			0	1	1
	Sum of FacilityMorts	0	2			0	0	2
	Sum of ResearchMorts	0	0			0	0	0
	Sum of TotalProjectMorts	0	2			0	1	3
<b>LMN</b>	Sum of NumberCollected	6					47	53
	Sum of NumberBarged	0					0	0
	Sum of NumberBypassed	6					47	53
	Sum of Numbertrucked	0					0	0
	Sum of SampleMorts	0					0	0
	Sum of FacilityMorts	0					0	0
	Sum of ResearchMorts	0					0	0
	Sum of TotalProjectMorts	0					0	0
<b>MCN</b>	Sum of NumberCollected	466	201	5		340		1,012
	Sum of NumberBarged	0	0	0		0		0
	Sum of NumberBypassed	453	200	5		340		998
	Sum of Numbertrucked	0	0	0		0		0
	Sum of SampleMorts	12	0	0		0		12
	Sum of FacilityMorts	1	1	0		0		2
	Sum of ResearchMorts	0	0	0		0		0
	Sum of TotalProjectMorts	13	1	0		0		14
Total Sum of NumberCollected		693	28,638	25	1,546	31,034		61,936
Total Sum of NumberBarged		0	0	0	0	0		0
Total Sum of NumberBypassed		679	28,619	25	1,541	31,026		61,890
Total Sum of Numbertrucked		0	0	0	0	0		0
Total Sum of SampleMorts		13	17	0	5	8		43
Total Sum of FacilityMorts		1	4	0	0	0		5
Total Sum of ResearchMorts		0	0	0	0	0		0
Total Sum of TotalProjectMorts		14	21	0	5	8		48



### YTD Transportation Summary

Source: Fish Passage Center

Updated:

4/7/06 9:12 AM

TO: 04/07/06

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	220	28,420	20	1,540	30,500	60,700
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	219	28,402	20	1,535	30,493	60,669
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	1	17	0	5	7	30
	Sum of FacilityMorts	0	1	0	0	0	1
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1	18	0	5	7	31
<b>LGS</b>	Sum of NumberCollected	1	17		6	147	171
	Sum of NumberBarged	0	0		0	0	0
	Sum of NumberBypassed	1	17		6	146	170
	Sum of NumberTrucked	0	0		0	0	0
	Sum of SampleMorts	0	0		0	1	1
	Sum of FacilityMorts	0	2		0	0	2
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	0	2		0	1	3
<b>LMN</b>	Sum of NumberCollected	6				47	53
	Sum of NumberBarged	0				0	0
	Sum of NumberBypassed	6				47	53
	Sum of NumberTrucked	0				0	0
	Sum of SampleMorts	0				0	0
	Sum of FacilityMorts	0				0	0
	Sum of ResearchMorts	0				0	0
	Sum of TotalProjectMorts	0				0	0
<b>MCN</b>	Sum of NumberCollected	466	201	5		340	1,012
	Sum of NumberBarged	0	0	0		0	0
	Sum of NumberBypassed	453	200	5		340	998
	Sum of NumberTrucked	0	0	0		0	0
	Sum of SampleMorts	12	0	0		0	12
	Sum of FacilityMorts	1	1	0		0	2
	Sum of ResearchMorts	0	0	0		0	0
	Sum of TotalProjectMorts	13	1	0		0	14
Total Sum of NumberCollected		693	28,638	25	1,546	31,034	61,936
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		679	28,619	25	1,541	31,026	61,890
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		13	17	0	5	8	43
Total Sum of FacilityMorts		1	4	0	0	0	5
Total Sum of ResearchMorts		0	0	0	0	0	0
Total Sum of TotalProjectMorts		14	21	0	5	8	48

**Cumulative Adult Passage at Mainstem Dams Through: 04/06**

DAM	EndDate	Spring Chinook						Summer Chinook						Fall Chinook					
		2006		2005		10-Yr Avg.		2006		2005		10-Yr Avg.		2006		2005		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	04/06	95	0	54	0	11,374	20	0	0	0	0	0	0	0	0	0	0	0	0
TDA	04/06	28	-1	21	0	2,964	4	0	0	0	0	0	0	0	0	0	0	0	0
JDA	04/06	7	-2	9	-5	1,560	0	0	0	0	0	0	0	0	0	0	0	0	0
MCN	04/06	1	0	2	0	719	1	0	0	0	0	0	0	0	0	0	0	0	0
IHR	04/06	0	0	0	0	234	0	0	0	0	0	0	0	0	0	0	0	0	0
LMN	04/06	0	0	0	0	93	0	0	0	0	0	0	0	0	0	0	0	0	0
LGS	04/05	0	0	2	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0
LGR	04/05	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
WEL	04/05	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	04/05	32	0	364	1	n/a	n/a	---	---	---	---	---	---	0	0	0	0	0	n/a

DAM	Coho						Sockeye			Steelhead			
	2006		2005		10-Yr Avg.		2006	2005	10-Yr Avg.	10-Yr		Wild 2006	
	Adult	Jack	Adult	Jack	Adult	Jack				2006	2005		Avg.
BON	0	0	0	0	0	0	0	0	0	751	147	1133	150
TDA	0	0	0	0	0	0	0	0	0	436	105	266	119
JDA	0	0	1	0	0	0	0	0	0	815	217	842	318
MCN	0	0	0	0	0	0	0	0	0	699	280	488	228
IHR	0	0	0	0	0	0	0	0	0	945	220	559	337
LMN	0	0	0	0	0	0	0	0	0	664	240	616	197
LGS	0	0	0	0	0	0	0	0	0	489	223	582	139
LGR	0	0	0	0	0	0	0	0	0	4,389	3,833	4563	1,017
WEL	0	0	0	0	0	0	0	0	0	4,389	3,833	4563	1,017
WFA	0	0	0	0	n/a	n/a	0	0	n/a	4,788	4,617	n/a	n/a

BON and LGR have switched to video counts so the data is delayed.

\*PRD is not posting wild steelhead numbers.

These numbers were collected from USACE, Grant PUD, Douglas PUD, Chelan PUD, ODFW and DART.

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: 04/07/06

BON counts from January 1, 2006 to March 14, 2006 (our traditional counts begin March 15):

Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
1	0	2,516	238

Run Year counts (June 1, 2005 to May 31, 2006) for Lower Granite:

Steelhead
0