



Fish Passage Center Weekly Report #06 - 3

March 24, 2006

1827 NE 44th Ave., Suite 240
Portland, OR 97213
phone: 503/230-4099
fax: 503/230-7559

WE ARE BACK!

On Friday March 17, the Ninth Circuit Court of Appeals granted a stay as requested by The Northwest Environmental Defense Center (NEDC), The Yakama Indian Nation, the Northwest Sports Fishing Industry Association (NSIA) and Public Employees for Environmental Responsibility (PEER). The Court Order directs Bonneville Power Administration (BPA) to continue the Fish Passage Center funding until issues are resolved by the court. BPA has extended the FPC contract by one month.

Water Supply: Precipitation throughout the Columbia Basin has varied between 60% and 119% of average at individual sub-basins over the first three weeks of March. Precipitation above The Dalles over the first three weeks of March has been 87% of average. Over the entire water year, precipitation has been above average at all listed 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 1-20		October 1, 2005 to March 20, 2006	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.88	76	15.16	111
SNAKE RIVER ABOVE ICE HARBOR	1.10	104	12.43	128
Columbia Above The Dalles	1.08	87	15.33	113
Kootenai	0.88	76	16.46	118
Clark Fork	0.73	94	10.38	121
Flathead	0.63	60	14.26	123
Pend Oreille/Spokane	1.55	87	21.86	114
Central Washington	0.34	64	7.38	131
SNAKE RIVER PLAIN	0.86	119	7.45	130
Salmon/Boise/Payette	1.39	111	16.91	140
Clearwater	1.70	94	19.11	108
SW Washington Cascades/Cowlitz	3.48	76	55.70	109
Willamette Valley	3.79	92	50.66	118

Snowpack within the Columbia Basin is above average. Average snowpack in the Columbia River for basins above the Snake River confluence is 107% of average, for Snake River Basins the average snowpack is 122% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack is 126% of average.

Table 2 displays the February Final, March Final, and March Mid-Month 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 March Mid-month forecast at The Dalles between January and July is 105000 Kaf (98% of average).

Table 2. February Final, March Final, and March Mid-month Runoff Volume Forecasts for various reservoirs within the Columbia and Snake River Basins.

Location	February Final		March Final		March Mid-Month	
	% 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	97	61100
Libby Res. Inflow, MT (Jan-July)	101	6380	98	6200	97	6130
Hungry Horse Res. Inflow, MT (Jan-July)	106	2350	106	2360	103	2300
Lower Granite Res. Inflow (Apr-July)	115	24800	109	23400	108	23200
Brownlee Res. Inflow (Apr-July)	127	8010	110	6940	107	6740
Dworshak Res. Inflow (Apr-July)	103	2730	99	2620	98	2580

Grand Coulee Reservoir is at 1253.5 feet (3-23-06) and has refilled 1.1 feet over the last week. Currently, Grand Coulee is being operated to target its "shifted" flood control elevation, as it has been agreed at the TMT level to shift a portion of system flood control at Dworshak to Grand Coulee. The end of March shifted flood control elevation at Grand Coulee is 1263.6 feet; 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 2406.2 feet (3-23-06) and drafted 1.7 feet last week. Outflows have ranged between 7.2 and 9.2 Kcfs over the last week. Both the end of March and interpolated Biological Opinion April 10th flood control elevations at Libby are 2404.1 feet

Hungry Horse is currently at an elevation of 3526.9 feet (3-23-06) and drafted 0.6 feet last week. Outflows at Hungry Horse have been 1.9 Kcfs over the last week. The end of March flood control elevation at Hungry Horse is 3526.2 feet, the interpolated Biological Opinion April 10th elevation is 3523.5 feet.

Dworshak is currently at an elevation of 1530.7 feet (3-23-06) and refilled 1.7 feet last week; outflows at Dworshak have ranged between 1.5 and 1.9 Kcfs over the last week. As stated above, Dworshak is being operated to shift a portion of its system flood control to Grand Coulee; therefore Dworshak is being operated to target its local flood control elevations. The end of March local flood control elevation at Dworshak is 1532.4 feet; the interpolated Biological Opinion April 10th local flood control elevation is 1538.3 feet.

The Brownlee Reservoir was at an elevation of 2027.3 feet on March 23rd, 2006 (drafted 7.2 feet last week). The end of March Flood control elevation at Brownlee is 2036.5 feet; the interpolated Biological Opinion April 10th local flood control elevation is 2033.1 feet.

The Biological Opinion flow period will begin on April 3rd in the lower Snake River (Lower Granite) and on April 10th in the mid (Priest Rapids) and lower (McNary) Columbia River. According to the last Water Supply Forecast (March Mid-month), the flow objectives this spring will be 100

Kcfs at Lower Granite, 256 Kcfs at McNary, and 135 Kcfs at Priest Rapids.

Spill: Spill at the Lower Snake projects is scheduled to start on April 3. Spill at the Lower Columbia projects will start on April 10. The start dates are as specified in Judge Redden's Opinion and Order dated Dec 29, 2005.

Smolt Monitoring: Small numbers of juvenile salmonids continue to be captured at most of the SMP traps. However, at the Grande Ronde Trap, they captured 266 yearling chinook on March 22, as a large group of fish appeared to pass the trap this week. Nearly all the yearling fish were adipose clipped, and are likely from releases at Lostine Acclimation Pond that went out between March 10 and March 20.

At Bonneville Dam yearling and subyearling Chinook indices are now roughly equal, with daily values in the hundreds. Most of the yearling Chinook were fin clipped hatchery origin fish, while subyearlings were split between clipped and unclipped fish. In addition almost all the unclipped subs were classified as "fry"-- meaning fish under 60mm.

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, 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.

Currently, adult counts at Bonneville Dam are nearly one week behind, this is because counting up until April 1st is via video, and actual visual counts will begin on April 1st, 2006. As of March 17th, 2006 two spring Chinook had passed Bonneville Dam. Daily steelhead passage numbers at Bonneville Dam were 27 and 5 fish on March 16th and 17th, 2006.

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 30 and 163 adult steelhead between March 17th and March 21st, 2006. The total steelhead passing Lower Granite Dam from January 1st has been 2297 adult steelhead.

Hatchery Release:

Snake River - Release of yearling chinook from McCall Hatchery at the Knox Bridge site on the S. Fork Salmon and at Johnson Creek are nearing completion for the season. Rapid River Hatchery completed releases at Hells Canyon Dam while volitional releases from the hatchery are ongoing. In the Grande Ronde basin, volitional yearling chinook releases from Lookingglass hatchery began March 17 and will continue into April. Releases from the acclimation ponds located in the upper Grande Ronde and Catherine Creek will begin March 27. Volitional release of the Tucannon R yearling chinook began on 3/15 and should continue for about a month. Trucking of steelhead from Niagara Springs Hatchery to Hells Canyon began on March 20 and will continue through the end of March. Most steelhead releases fall between April through mid-May.

Mid-Columbia - The only action from the hatcheries located in this stretch of river has been from the Yakima River basin where volitional releases of yearling chinook from Jack Creek, Easton, Clark Flat acclimation ponds commenced mid-March 15 and will continue through mid-May.

Lower Columbia - Yearling fall chinook, spring chinook and coho held in acclimation ponds in the Umatilla River were released a month early, in mid-February, due to cold weather causing the ponds to freeze.

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
03/10/06	100.0	0.0	103.4	0.0	107.0	0.0	107.7	0.0	106.8	0.0	112.9	0.0	112.3	0.0
03/11/06	78.1	0.0	82.4	0.0	82.8	0.0	84.2	0.0	86.4	0.0	98.8	0.0	103.2	0.0
03/12/06	40.1	0.0	41.9	0.0	52.4	0.0	54.9	0.0	57.1	0.0	91.0	0.0	89.3	0.0
03/13/06	105.6	0.0	103.8	0.0	95.4	0.0	93.4	0.0	92.4	0.0	67.9	0.0	78.0	0.0
03/14/06	98.4	0.0	101.2	0.0	99.3	0.0	99.8	0.0	100.4	0.0	100.3	0.0	90.9	0.0
03/15/06	68.1	0.0	76.6	0.0	84.8	0.0	86.5	0.0	86.9	0.0	99.3	0.0	102.4	0.0
03/16/06	82.2	0.0	75.3	0.0	73.9	0.0	75.5	0.0	76.9	0.0	95.8	0.0	94.0	0.0
03/17/06	102.7	0.0	103.7	0.0	100.1	0.0	93.4	0.1	93.8	0.0	78.8	0.0	83.4	0.0
03/18/06	73.0	0.0	76.8	0.0	80.0	0.0	84.5	0.0	88.3	0.0	90.7	0.0	85.8	0.0
03/19/06	54.5	0.0	59.4	0.0	65.6	0.0	69.1	0.0	71.1	0.0	81.5	0.0	82.9	0.0
03/20/06	120.0	0.0	117.6	0.0	111.3	6.6	105.7	0.0	103.1	0.0	98.1	1.1	97.3	0.0
03/21/06	79.1	0.0	86.4	0.0	94.5	0.0	98.0	0.0	102.8	0.0	120.7	0.1	122.2	0.0
03/22/06	93.8	0.0	89.5	0.0	87.7	0.0	88.2	0.0	89.7	0.0	101.0	0.0	102.3	0.0
03/23/06	74.1	0.0	77.9	0.0	81.3	0.0	85.3	0.0	87.5	0.0	87.5	0.0	88.2	0.0

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

Date	Dworshak		Brownlee Canyon		Hells Granite		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
03/10/06	2.3	0.0	34.4	37.0	51.6	0.0	53.6	0.0	55.0	0.0	52.8	0.0		
03/11/06	2.3	0.0	32.1	37.0	48.4	0.0	47.1	0.0	51.3	0.0	53.5	0.0		
03/12/06	2.3	0.0	30.7	37.0	49.7	0.0	49.7	0.0	50.8	0.0	50.1	0.0		
03/13/06	4.0	0.0	30.7	36.9	49.3	0.0	49.2	0.0	48.6	0.0	42.9	3.3		
03/14/06	4.5	0.0	29.1	36.7	51.5	0.0	52.9	0.0	56.0	0.0	59.3	4.1		
03/15/06	4.5	0.0	29.8	36.5	51.7	0.0	68.3	0.0	76.2	0.0	74.9	3.6		
03/16/06	4.3	0.0	27.9	33.4	46.4	0.0	45.3	0.0	45.2	0.0	43.5	0.0		
03/17/06	1.8	0.0	27.8	33.8	47.9	0.0	34.5	0.0	31.7	0.0	30.6	3.3		
03/18/06	1.9	0.0	28.7	35.6	45.2	0.0	57.8	0.0	61.2	0.0	64.8	3.3		
03/19/06	1.9	0.0	27.8	35.6	49.0	0.0	41.5	0.0	42.8	0.0	40.4	0.0		
03/20/06	1.9	0.0	28.1	35.5	43.9	0.0	40.6	0.0	40.2	0.0	36.2	4.1		
03/21/06	1.5	0.0	27.7	34.1	51.1	0.0	64.8	0.0	71.5	0.0	74.9	3.6		
03/22/06	1.5	0.0	26.9	33.1	38.3	0.0	30.6	0.0	26.2	0.9	23.7	0.0		
03/23/06	1.5	0.0	---	---	47.7	0.0	43.0	0.0	44.0	0.0	42.9	0.0		

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

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
03/10/06	167.0	0.0	179.4	0.0	179.2	0.0	184.0	1.4	74.4	102.0
03/11/06	168.6	0.0	173.7	0.0	173.9	0.0	183.3	1.3	77.5	98.5
03/12/06	167.1	0.0	156.0	0.0	155.2	0.0	169.8	1.3	71.6	90.7
03/13/06	122.5	0.0	150.6	0.0	154.9	0.0	168.2	1.3	70.5	90.1
03/14/06	131.7	0.0	133.8	0.0	134.0	0.0	151.2	1.4	58.7	84.8
03/15/06	150.2	0.0	175.1	0.0	173.5	0.0	188.5	1.4	77.7	103.3
03/16/06	180.0	0.0	174.1	0.0	175.9	0.0	176.3	1.3	75.1	94.0
03/17/06	124.7	0.0	129.2	0.0	134.1	0.0	155.5	1.3	62.7	85.6
03/18/06	139.1	0.0	120.5	0.0	120.7	0.0	124.8	1.3	36.0	81.6
03/19/06	144.5	0.0	136.8	0.0	135.9	0.0	145.3	1.3	53.4	84.7
03/20/06	109.9	0.0	146.7	0.1	151.0	0.0	159.9	1.3	65.3	87.4
03/21/06	162.9	0.0	140.6	0.0	139.3	0.0	150.8	1.3	55.5	88.1
03/22/06	182.3	0.0	173.6	0.0	173.1	0.0	178.3	1.2	73.2	97.9
03/23/06	132.5	0.0	164.9	0.0	164.0	0.0	169.1	1.4	71.2	90.5

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: **3/10/2006** to **03/23/06**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
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	342,000	03-23-06	04-06-06	Powell Acclim Pond	Lochsa River
Idaho Dept. of Fish and Game	McCall Hatchery	CH1	SU	2006	1,096,000	03-20-06	03-24-06	Knox Bridge	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	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	500,000	03-14-06	03-17-06	Hells Canyon Dam	Snake 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 Total					6,254,000				
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2006	41,160	03-10-06	03-20-06	Lostine Accim Pond	Wallowa River
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2006	66,230	03-10-06	03-20-06	Lostine Accim Pond	Wallowa River
Nez Perce Tribe	McCall Hatchery	CH1	SU	2006	90,500	03-13-06	03-16-06	Johnson Cr Idaho	South Fork Salmon River
Nez Perce Tribe Total					197,890				
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 Total					430,897				
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	Eagle Creek NFH	CO		2006	238,912	03-07-06	03-31-06	Potlatch River	Clearwater River M F
U.S. Fish and Wildlife Service	Eagle Creek NFH	CO		2006	267,088	03-10-06	03-31-06	Lapwai Creek	Clearwater River M F
U.S. Fish and Wildlife Service Total					1,516,000				
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 Total					65,000				
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	231,551	03-15-06	05-14-06	Jack Creek Acclim Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	273,636	03-15-06	05-14-06	Easton Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	280,667	03-15-06	05-14-06	Clark Flat Acclim Pond	Yakama River
Yakama Tribe Total					785,854				
Grand Total					9,249,641				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From:	3/24/2006	to	4/6/2006							
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	McCall Hatchery	CH1	SU	2006	1,096,000	03-20-06	03-24-06	Knox Bridge	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	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)	
Idaho Dept. of Fish and Game Total					9,656,000					
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	SU	2006	135,800	03-28-06	04-17-06	Lostine Accim Pond	Wallowa River	
Nez Perce Tribe Total					337,800					
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	
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	
Oregon Dept. of Fish and Wildlife Total					713,197					
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	Eagle Creek NFH	CO		2006	68,000	03-31-06	04-07-06	Prosser Acclim Pond	Yakama River	
U.S. Fish and Wildlife Service	Eagle Creek NFH	CO		2006	238,912	03-07-06	03-31-06	Potlatch River	Clearwater River M F	
U.S. Fish and Wildlife Service	Eagle Creek NFH	CO		2006	267,088	03-10-06	03-31-06	Lapwai Creek	Clearwater River M F	
U.S. Fish and Wildlife Service	Eagle Creek NFH	CO		2006	389,440	03-31-06	04-07-06	Naches River	Yakama River	
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 Total					2,603,440					
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	
Umatilla Tribe Total					292,000					
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	130,000	04-01-06	04-19-06	Curl Lake Acclim Pond	Tucannon River	
Washington Dept. of Fish and Wildlife	Washougal Hatchery	CO		2006	2,700,000	03-27-06	03-29-06	Klickitat River	Klickitat River	
Washington Dept. of Fish and Wildlife Total					3,345,000					
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	231,551	03-15-06	05-14-06	Jack Creek Acclim Pond	Yakama River	
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	273,636	03-15-06	05-14-06	Easton Pond	Yakama River	
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2006	280,667	03-15-06	05-14-06	Clark Flat Acclim Pond	Yakama River	
Yakama Tribe Total					785,854					
Grand Total					17,733,291					

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>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>		
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
3/10	---	---	---	0	104	104	105	24	104	104	104	24	103	103	104	24	---	---	---	0
3/11	---	---	---	0	103	104	105	24	103	103	103	24	103	103	103	24	---	---	---	0
3/12	---	---	---	0	103	104	105	24	102	102	103	24	102	103	104	24	---	---	---	0
3/13	---	---	---	0	103	104	105	24	102	103	103	24	102	103	104	24	---	---	---	0
3/14	---	---	---	0	105	105	106	24	103	103	103	24	102	103	105	24	---	---	---	0
3/15	---	---	---	0	104	105	105	24	102	103	103	24	102	102	104	24	---	---	---	0
3/16	---	---	---	0	104	105	105	24	103	103	103	24	102	103	104	24	---	---	---	0
3/17	---	---	---	0	105	105	106	24	103	103	103	24	102	103	105	24	---	---	---	0
3/18	---	---	---	0	105	106	106	24	102	102	103	24	102	103	104	24	---	---	---	0
3/19	---	---	---	0	104	105	105	24	102	103	103	24	102	103	104	24	---	---	---	0
3/20	---	---	---	0	105	106	106	24	103	104	104	24	103	103	105	24	103	103	103	9
3/21	---	---	---	0	104	104	105	24	103	104	104	24	103	103	105	24	102	103	103	24
3/22	---	---	---	0	103	103	103	24	102	102	103	24	102	102	104	24	102	102	102	24
3/23	---	---	---	0	103	104	105	21	102	103	103	21	102	102	104	20	102	102	102	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>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
3/10	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	99	99	24
3/11	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/12	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/13	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/14	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/15	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/16	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/17	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/18	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/19	---	---	---	0	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/20	103	103	104	8	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/21	103	104	105	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/22	103	103	104	24	---	---	---	0	---	---	---	0	98	98	98	24	98	98	98	24
3/23	103	103	104	24	---	---	---	0	---	---	---	0	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>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
3/10	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/11	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/12	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/13	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/14	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/15	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/16	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/17	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/18	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/19	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/20	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/21	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/22	98	98	98	24	99	99	99	24	---	---	---	0	---	---	---	0	---	---	---	0
3/23	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>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>		
	<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>	
3/10	---	---	---	0	---	---	---	0	96	97	98	24	---	---	---	0	---	---	---	0
3/11	---	---	---	0	---	---	---	0	97	97	98	24	---	---	---	0	---	---	---	0
3/12	---	---	---	0	---	---	---	0	96	97	98	24	---	---	---	0	---	---	---	0
3/13	---	---	---	0	---	---	---	0	95	95	96	11	---	---	---	0	---	---	---	0
3/14	---	---	---	0	---	---	---	0	95	95	96	15	---	---	---	0	---	---	---	0
3/15	---	---	---	0	---	---	---	0	95	95	95	5	---	---	---	0	---	---	---	0
3/16	---	---	---	0	---	---	---	0	96	96	97	17	---	---	---	0	---	---	---	0
3/17	---	---	---	0	---	---	---	0	98	99	99	24	---	---	---	0	---	---	---	0
3/18	---	---	---	0	---	---	---	0	97	98	99	24	---	---	---	0	---	---	---	0
3/19	---	---	---	0	---	---	---	0	97	98	99	24	---	---	---	0	---	---	---	0
3/20	---	---	---	0	---	---	---	0	98	99	100	24	---	---	---	0	---	---	---	0
3/21	---	---	---	0	---	---	---	0	102	103	104	24	---	---	---	0	103	103	105	6
3/22	---	---	---	0	---	---	---	0	103	104	107	24	105	105	106	12	104	104	105	24
3/23	---	---	---	0	---	---	---	0	103	104	105	24	103	104	105	24	104	104	105	21

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>			#	<u>Lower Granite</u>			#	<u>L. Granite Tlwr</u>			#	<u>Little Goose</u>			#	<u>L. Goose Tlwr</u>			#
	<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>		
	<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>	
3/10	---	---	---	0	102	102	103	24	102	102	102	24	---	---	---	0	---	---	---	0
3/11	---	---	---	0	101	102	102	24	101	101	102	24	---	---	---	0	---	---	---	0
3/12	---	---	---	0	100	101	101	24	100	101	102	24	---	---	---	0	---	---	---	0
3/13	---	---	---	0	100	101	101	24	100	101	101	24	---	---	---	0	---	---	---	0
3/14	---	---	---	0	102	102	102	24	102	102	103	24	---	---	---	0	---	---	---	0
3/15	---	---	---	0	102	102	102	24	101	102	102	24	---	---	---	0	---	---	---	0
3/16	---	---	---	0	103	103	104	24	103	103	103	24	---	---	---	0	---	---	---	0
3/17	---	---	---	0	103	103	104	24	103	103	103	24	---	---	---	0	---	---	---	0
3/18	---	---	---	0	102	103	103	24	102	102	103	24	---	---	---	0	---	---	---	0
3/19	---	---	---	0	103	103	104	24	102	103	103	24	---	---	---	0	---	---	---	0
3/20	---	---	---	0	104	104	104	24	104	104	107	24	---	---	---	0	---	---	---	0
3/21	---	---	---	0	103	104	104	24	103	104	104	24	---	---	---	0	---	---	---	0
3/22	105	105	108	10	102	102	103	24	102	102	102	24	---	---	---	0	---	---	---	0
3/23	102	104	106	24	103	104	104	24	103	103	104	24	104	104	113	9	106	106	113	10

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

Date	<u>Lower Mon.</u>			#	<u>L. Mon. Tlwr</u>			#	<u>Ice Harbor</u>			#	<u>Ice Harbor Tlwr</u>			#	<u>McNary-Oregon</u>			#
	<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>			<u>24 h</u>	<u>12 h</u>		
	<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>		<u>Avg</u>	<u>Avg</u>	<u>High</u>	
3/10	---	---	---	0	---	---	---	0	102	102	102	23	102	102	103	20	103	103	104	20
3/11	---	---	---	0	---	---	---	0	101	101	102	24	102	102	103	24	102	102	102	24
3/12	---	---	---	0	---	---	---	0	100	100	101	24	101	101	101	24	101	101	102	24
3/13	---	---	---	0	---	---	---	0	100	101	101	24	103	106	111	24	102	103	104	23
3/14	---	---	---	0	---	---	---	0	101	101	102	24	103	105	109	24	102	103	104	24
3/15	---	---	---	0	---	---	---	0	100	101	101	24	103	104	108	24	102	103	103	24
3/16	---	---	---	0	---	---	---	0	101	101	101	24	101	101	101	23	102	103	103	24
3/17	---	---	---	0	---	---	---	0	100	101	101	24	103	106	110	24	103	103	106	21
3/18	---	---	---	0	---	---	---	0	100	100	100	24	102	104	108	24	102	103	103	24
3/19	---	---	---	0	---	---	---	0	100	101	102	24	101	101	101	24	103	104	106	24
3/20	---	---	---	0	---	---	---	0	102	102	102	24	105	108	110	24	105	107	114	24
3/21	---	---	---	0	---	---	---	0	102	102	102	24	104	105	108	24	104	104	105	24
3/22	---	---	---	0	---	---	---	0	101	101	101	24	102	102	103	24	104	104	107	24
3/23	103	103	105	14	103	103	104	12	102	102	102	24	102	102	103	24	104	104	105	24

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

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>McNary-Wash</u>			<u>McNary Tlwr</u>			<u>John Day</u>			<u>John Day Tlwr</u>			<u>The Dalles</u>							
	<u>24 h</u>	<u>12 h</u>	#	<u>24 h</u>	<u>12 h</u>	#	<u>24h</u>	<u>12h</u>	#	<u>24h</u>	<u>12h</u>	#	<u>24h</u>	<u>12h</u>	#	<u>24h</u>	<u>AVG</u>	<u>High</u>	#	
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg		Avg	High	Avg		AVG
3/10	103	103	103	18	103	103	103	24	103	104	104	24	103	103	103	24	103	104	104	24
3/11	102	102	103	24	102	102	102	24	103	103	103	24	102	102	102	24	102	103	103	24
3/12	100	101	101	24	101	101	101	24	102	102	102	24	101	101	101	24	102	102	102	24
3/13	101	102	102	24	101	102	102	24	102	102	103	24	101	102	102	24	102	102	103	24
3/14	102	102	102	24	102	102	103	24	102	103	103	24	102	102	102	24	103	103	103	24
3/15	102	102	102	24	102	102	102	24	102	102	102	24	101	101	102	24	102	102	102	24
3/16	103	103	103	24	103	103	104	24	102	103	103	24	102	102	102	24	102	103	103	24
3/17	102	103	103	24	103	103	103	24	102	103	103	24	102	102	102	24	102	102	103	24
3/18	102	102	103	24	102	103	103	24	102	102	102	24	101	102	102	24	102	102	103	24
3/19	102	102	103	24	102	102	103	24	102	103	104	24	101	102	102	24	102	103	103	24
3/20	104	105	105	24	104	104	105	24	104	105	105	24	103	104	104	24	104	104	105	24
3/21	104	104	104	24	104	104	105	24	104	105	105	24	103	103	104	24	104	104	104	24
3/22	103	104	104	24	104	104	105	24	103	104	104	24	102	103	103	24	103	103	104	24
3/23	104	105	105	23	105	105	105	24	104	105	105	24	103	104	104	24	104	104	104	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>24 h</u>	<u>12 h</u>	#	<u>24h</u>	<u>12h</u>	#	<u>24h</u>	<u>12h</u>	#	<u>24h</u>	<u>12h</u>	#	<u>24h</u>	<u>12h</u>	#		
	Avg	Avg		High	Avg		Avg	High		Avg	Avg		High	Avg		Avg	High		Avg	AVG
3/10	103	103	103	24	103	103	103	22	103	103	103	22	103	103	104	24	111	111	112	17
3/11	102	102	103	24	102	103	103	24	103	103	103	24	103	103	104	24	111	111	112	17
3/12	101	101	102	24	101	101	102	24	102	102	103	24	102	103	103	24	111	112	113	17
3/13	101	102	102	24	102	102	102	24	103	103	104	24	103	104	105	24	111	111	112	17
3/14	102	102	102	24	102	102	103	24	103	103	104	24	103	104	104	24	110	111	112	17
3/15	101	101	102	24	102	102	103	24	103	103	103	24	103	103	104	24	111	111	111	17
3/16	102	102	102	24	103	103	103	20	103	103	104	24	103	103	104	24	112	112	116	10
3/17	102	102	102	24	102	102	103	24	103	103	103	24	103	104	104	24	---	---	---	0
3/18	102	102	102	24	102	102	102	24	102	102	103	24	103	103	104	24	---	---	---	0
3/19	102	102	103	24	102	103	103	24	103	104	104	24	104	105	106	24	---	---	---	0
3/20	103	104	104	24	104	104	104	24	104	104	105	24	105	106	107	24	---	---	---	0
3/21	103	103	103	24	103	104	104	24	104	104	104	24	104	104	105	24	110	110	111	14
3/22	102	103	103	24	103	103	103	24	103	103	104	24	103	104	105	24	110	111	111	17
3/23	103	104	104	24	104	104	104	24	104	105	105	24	104	104	105	24	111	111	111	17

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)
03/10/2006	0	0	0	0	---	---	---	---	---	---	0
03/11/2006	0	0	0	0	---	---	---	---	---	---	0
03/12/2006	0	0	0	0	---	---	---	---	---	---	7
03/13/2006	0	0	0	0	---	---	---	---	---	---	18
03/14/2006	0	0	0	0	---	---	---	---	---	---	0
03/15/2006	0	0	0	0	---	---	---	---	---	---	0
03/16/2006	0	0	0	0	---	---	---	---	---	---	0
03/17/2006	0	---	0	0	---	---	---	---	---	---	0
03/18/2006	0	---	0	0	---	---	---	---	---	---	13
03/19/2006	0	---	0	0	---	---	---	---	---	---	0
03/20/2006	0	---	0	0	---	---	---	---	---	---	7
03/21/2006	0	---	0	0	---	---	---	---	---	---	0
03/22/2006	0	---	0	0	---	---	---	---	---	---	0
03/23/2006	0	---	0	0	---	---	---	---	---	---	7
03/24/2006	---	---	---	---	---	---	---	---	---	---	0
<hr/>											
Total:	0	0	0	0	0	0	0	0	0	0	52
# Days:	14	7	14	14	0	0	0	0	0	0	15
Average:	0	0	0	0	0	0	0	0	0	0	3
YTD	0	0	0	0	0	0	0	0	0	0	80

* 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)}

JDA and BO2 data collected for the FPC by Pacific States Marine Fisheries Commission.

RIS data collected for the FPC by Chelan Co. PUD/Washington Dept. of Fish and Wildlife.

LGR, LMN, and MCN data collected for the FPC by Washington Dept. of Fish and Wildlife.

LGS and GRN data collected for the FPC by Oregon Dept. of Fish and Wildlife.

IMN data collected for the FPC by the Nez Perce Tribe.

Cumulative Adult Passage at Mainstem Dams Through: 03/23

DAM	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	1	0	7	0	246	0	0	0	0	0	0	0	0	0	0	0	0	0
JDA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IHR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LMN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LGR	0	0	0	0	0	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
LGR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	8	0	172	0	n/a	n/a	---	---	---	---	---	---	0	0	0	0	n/a	n/a

DAM	Coho						Sockeye			Steelhead			
	2006		2005		10-Yr Avg.		2006	2005	10-Yr Avg.	2006	2005	10-Yr Avg.	Wild 2006
	Adult	Jack	Adult	Jack	Adult	Jack							
BON	0	0	0	0	0	0	0	0	0	20	-76	125	-2
JDA	0	0	0	0	0	0	0	0	0	0	0	0	0
MCN	0	0	0	0	0	0	0	0	0	0	0	0	0
IHR	0	0	0	0	0	0	0	0	0	0	0	0	0
LMN	0	0	0	0	0	0	0	0	0	0	0	0	0
LGS	0	0	0	0	0	0	0	0	0	0	0	0	0
LGR	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
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
LGR	0	0	0	0	0	0	0	0	0	2,297	2,615	2809	443
WFA	0	0	0	0	n/a	n/a	0	0	n/a	4,155	3,119	n/a	n/a

BON is thru 3/17, LGR & WFA are thru 3/21

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: 03/24/06

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