



# Fish Passage Center Weekly Report #06 - 10

May 12, 2006

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## Summary of Events:

**Water Supply:** Precipitation throughout the Columbia Basin has varied between 6% and 62% of average at individual sub-basins over the first eight days of May. Precipitation above The Dalles over the first eight days of May has been 48% of average. Over the entire water year, precipitation has been above average at all locations in Table 1.

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

Location	Water Year 2006 May 1-8		Water Year 2006 October 1, 2005 to May 8	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.28	49	18.15	110
Snake River Above Ice Harbor	0.21	42	15.96	130
Columbia Above The Dalles	0.25	48	18.53	113
Kootenai	0.35	62	19.37	114
Clark Fork	0.14	26	13.37	124
Flathead	0.30	48	17.39	121
Pend Oreille/Spokane	0.34	51	25.85	112
Central Washington	0.01	6	8.81	130
Snake River Plain	0.14	37	9.89	131
Salmon/Boise/Payette	0.17	38	20.90	141
Clearwater	0.32	41	24.15	110
SW Washington Cascades/Cowlitz	0.45	46	60.88	102
Willamette Valley	0.33	37	56.02	110

Snowpack within the Columbia Basin is near or above average. Average snowpack in the Columbia River for basins above the Snake River confluence is 112% of average, for Snake River Basins the average snowpack is 111% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack 98% of average.

Table 2 displays the March Final, April Final, and May Final runoff volume forecasts for multiple reservoirs. The May Final forecast at The Dalles between January and July is 110000 Kaf (103% of average). Water supply forecasts at all locations in Table 2 have increased between the April Final and May Final forecasts.

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

Location	March Final		April Final		May Final	
	% 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)	100	107000	100	107000	103	110000
Grand Coulee (Jan-July)	98	61900	96	60600	98	61900
Libby Res. Inflow, MT (Jan-July)	98	6200	96	6030	98	6160
Hungry Horse Res. Inflow, MT (Jan-July)	106	2360	99	2210	101	2250
Lower Granite Res. Inflow (Apr-July)	109	23400	118	25500	126	27100
Brownlee Res. Inflow (Apr-July)	110	6940	133	8380	143	9020
Dworshak Res. Inflow (Apr-July)	99	2620	96	2540	101	2670

Grand Coulee Reservoir is at 1231.1 feet (5-11-06) and has held steady over the last week.

The Libby Reservoir is currently at elevation 2424.6 feet (5-11-06) and filled 5.2 feet last week. Outflows have been 4 Kcfs over the last week.

Hungry Horse is currently at an elevation of 3517.1 feet (5-11-06) and refilled 0.2 feet last week. Outflows at Hungry Horse have been approximately 7 Kcfs.

Dworshak is currently at an elevation of 1546.6 feet (5-11-06) and refilled 5.8 feet last week; outflows at Dworshak have ranged between 4.6 and 7.9 Kcfs over the last week.

The Brownlee Reservoir was at an elevation of 2043.6 feet on May 11th, 2006 (refilling 8.7 feet last week). Outflows at Brownlee have been as high as 54.3 Kcfs over the last week.

The Biological Opinion flow period began 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 April Final Water Supply Forecast, the flow objectives this spring are 100 Kcfs at Lower Granite, 260 Kcfs at McNary, and 135 Kcfs at Priest Rapids. Flows at Lower Granite have averaged 125.6 Kcfs over the season and 115.2 Kcfs last week; flows at McNary have averaged 319.6 Kcfs over the season and 300.5 Kcfs last week; and flows at Priest Rapids have averaged 172.6 Kcfs over the season and 163.2 Kcfs last week

**Spill:** No spill occurred at Dworshak Dam over the past week, as outflow was decreased to less than powerhouse capacity on May 1. Spill operations for fish passage at the Lower Snake River projects began on April 3, 2006 in accordance with the December 29, 2005 District Court Order and Opinion. Spill at Lower Granite, Little Goose, Lower Monumental and Ice Harbor dams averaged 28%, 24%, 21% and 45% of average daily flow over the past week, respectively. Spill at Lower Granite is exceeding the objective of the Court Order of 20 Kcfs for 24 hours due to limitations of powerhouse capacity. Spill at Little Goose Dam is less than the Court's Order of 30% of instantaneous flow for 24 hours, and continues to be limited

because total dissolved gas in the Lower Monumental forebay exceeded the waiver criteria. Spill at Lower Monumental Dam is also less than the 40 Kcfs for 24 hours specified in the order and was restricted for TDG exceedences in Ice Harbor forebay. Ice Harbor Dam spill has been meeting the Court Order.

Spill for fish passage began on April 10 at Lower Columbia River projects. Spill for fish passage McNary, John Day, The Dalles and Bonneville dams was 42%, 36%, 39% and 30% of average daily flow, respectively. McNary Dam has been meeting the requirements of the Court's Order. John Day Dam is being operated with a limited hydraulic capacity. Spill at The Dalles Dam is less than called for in the Court's Order, but closer than last week. Spill at Bonneville Dam has been below the Court Order over the past week.

Total dissolved gas levels have exceeded the TDG waiver limits at some locations over the past week. Biological monitoring has not shown that criteria levels have been exceeded. However, a few fish have been showing minor (Rank 1, or less than 5% of an unpaired fin affected) signs of GBT.

**Smolt Monitoring:** Relatively large numbers of migrant yearling Chinook and steelhead continue to be collected at Smolt Monitoring Dams in the Snake River and Lower Columbia River. The indices for yearling Chinook continued to increase at Snake River dams, while steelhead numbers declined both in the Snake and Lower Columbia. Sockeye, coho and subyearling Chinook indices increased at most SMP dams over the past week.

At the Salmon River Trap daily collection of yearling Chinook continued to go down this past week, with the index average around 70 per day, compared to 960 fish per day the previous week. Steelhead capture decreased to 60 per day this week, less than half of the average from last week. At the Imnaha Trap yearling Chinook collection went up from 20 per day last week to 40 per day this week, while steelhead capture increased from 240 per day last week to 445 per day this week. At the Grande Ronde Trap yearling Chinook numbers decreased this past week from 210 per day to

around 90 per day this week, while steelhead capture stayed relatively steady averaging 120 fish per day this week. At the Lewiston Trap yearling Chinook collection dropped from averaging 1000 fish per day last week to just over 400 per day this week. Steelhead numbers were trending downward over the same time period, averaging 80 per day over the last week.

At Lower Granite Dam, yearling Chinook indices averaged roughly 170,000 per day over the past week compared to 155,000 per day the previous week. Steelhead indices averaged 125,000 per day this week compared to 150,000 per day last week. Sockeye, coho and subyearling Chinook indices all increased over the past week at Lower Granite Dam. Sockeye indices at Lower Granite Dam may reflect the passage of what are thought to be small kokanee flushed from Dworshak Reservoir and carried downstream to Lower Granite Dam by the higher than average flows for this time of year. However, May is also the time when sockeye from the Salmon River Basin typically pass through the Snake River, so it may be the fish are a combination of endangered sockeye and kokanee.

Passage indices at Little Goose Dam continue to be somewhat higher than at Lower Granite Dam. The reason the passage indices at Little Goose are higher than at Lower Granite this season is that the passage index expands for spill assuming 1 to 1 efficiency of fish passing per unit volume spill. Spill efficiency at Lower Granite is likely much higher than 1 to 1 at 40% spill so that the index does not fully account for the fish passing in spill. In addition, the BGS is also being tested at Lower Granite Dam this year and the effect of that on spill efficiency is not known, but could improve spill efficiency also. In the next week or so FPC will be adjusting passage indices (especially at Lower Granite Dam ) to better reflect known spill efficiency where data are available, using newly summarized research data developed by NOAA for regional modeling efforts.

At Little Goose Dam, collection of fish for transportation began April 24, so that full 24 hour sampling has been conducted since that date. Indices averaged 150,000 per day for yearling

Chinook this past week, while steelhead indices averaged 110,000 per day this past week. Transport at Lower Monumental Dam began transport on April 29, so that full 24 hour samples began on that date. The passage indices for yearling Chinook averaged 62,000 this past week, while steelhead indices averaged 42,000.

At Rock Island Dam and the Lower Columbia SMP sites, indices for all spring migrants continued to increase over the past two weeks, with the exception of steelhead indices which were down at all Lower Columbia sites. Subyearling Chinook indices jumped up over the past week reflecting a large hatchery release May 8 from Spring Creek NFH.

**Adult Fish Passage:** Adult counts at Bonneville Dam have been high over the last week, ranging between 3,991 and 8,647 adult spring Chinook per day. Adult spring Chinook counts this year have surpassed the 2005 average but are still behind the ten-year average. Between March 15th and May 11th, 59,660 spring Chinook adults had passed Bonneville Dam; this compares to 51,836 spring Chinook adults over the same period last year and 128,288 over the same period on a ten-year average. This years adult spring Chinook count at Bonneville Dam is 116% of that recorded in 2005 and 47% of the ten year average. Daily adult steelhead passage numbers at Bonneville Dam have ranged between 25 and 59 over the last week.

**Hatchery Releases: Snake River-** Releases of yearling spring Chinook in the Snake River Basin are basically complete for 2006 migration year. Summer steelhead releases are also nearing completion with trucking of steelhead from Hagerman NFH to the Salmon River Basin scheduled to end today. And acclimation releases at Big Canyon acclimation pond in the Grande Ronde River basin is scheduled to continue through May 12 also. Releases of subyearling Chinook are ongoing at Captain John's Acclimation pond, where 230,000 fish will be volitionally exiting over at 2 to 3 week period.

**Mid-Columbia** - Releases of upper Mid-Columbia spring Chinook and steelhead are mostly in-river with steelhead releases either ongoing (Yakima R) or completed (Wenatchee R) during the past week. The large yearling summer Chinook releases from Dryden, Similkameen, and Carlton ponds as well as Wells H should be in-river. Acclimation releases of coho from Leavenworth NFH are scheduled to be completed May 15 at sites in the Wenatchee River.

**Lower Columbia** - In the Lower Columbia River, releases of yearling Chinook and steelhead are basically completed for 2006, while Spring Creek NFH release of 3.3 million subyearling fall Chinook took place on May 8.

**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
04/28/06	153.8	0.0	161.2	0.0	163.7	14.4	154.5	0.3	159.9	33.3	159.6	29.9	165.1	95.0
04/29/06	155.6	0.0	156.8	0.0	169.0	12.2	167.5	23.9	173.0	34.0	181.1	32.0	172.1	97.2
04/30/06	146.3	0.0	147.7	0.0	162.7	10.0	159.7	21.0	168.2	33.3	179.0	24.9	182.4	102.3
05/01/06	147.9	0.0	155.8	0.0	168.0	19.7	165.3	23.5	172.5	36.0	188.9	50.5	184.0	28.1
05/02/06	170.5	0.0	169.4	0.0	180.3	15.1	180.4	44.6	185.5	36.6	202.1	67.7	195.6	44.9
05/03/06	147.8	0.0	154.3	0.0	178.3	14.2	184.9	43.2	188.2	36.2	198.6	59.3	195.4	52.8
05/04/06	155.0	0.0	154.4	0.0	158.3	10.0	154.4	43.4	158.0	37.0	168.9	13.3	176.9	21.5
05/05/06	153.0	0.0	160.2	0.0	171.0	27.4	164.9	43.1	165.8	36.2	170.2	38.5	155.8	12.2
05/06/06	147.4	0.0	152.1	0.0	167.9	23.0	169.6	40.3	174.1	31.7	195.1	68.7	182.2	32.8
05/07/06	136.4	0.0	135.8	0.0	146.0	9.4	144.2	36.1	150.2	29.7	168.1	32.6	172.7	14.3
05/08/06	145.9	0.0	156.2	0.0	170.7	29.2	164.3	10.9	167.0	31.5	170.3	46.6	155.8	17.9
05/09/06	137.8	0.0	135.1	0.0	151.6	22.9	152.5	2.1	157.6	29.1	172.0	41.7	169.0	27.4
05/10/06	127.9	0.0	128.6	0.0	140.2	10.5	136.7	0.0	147.3	26.2	161.8	28.8	157.5	13.1
05/11/06	145.6	0.0	145.6	0.0	157.7	13.6	148.1	9.2	149.7	26.1	153.3	20.2	149.4	12.4

**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
04/28/06	14.0	3.5	65.1	63.5	124.7	39.2	123.4	27.6	125.2	23.4	127.8	55.2
04/29/06	13.9	3.5	62.7	60.2	127.1	42.2	124.7	27.5	124.1	22.2	123.9	58.5
04/30/06	13.8	3.4	64.9	66.2	139.5	56.0	135.9	30.9	138.2	28.1	138.8	58.8
05/01/06	10.5	0.1	68.4	64.9	153.1	67.0	152.3	41.4	154.8	39.0	157.8	79.6
05/02/06	10.4	0.0	66.1	55.2	142.0	56.4	142.2	33.1	146.4	32.6	150.4	69.9
05/03/06	10.4	0.0	62.8	55.3	133.7	50.1	130.7	23.9	131.4	22.8	133.1	59.2
05/04/06	10.0	0.0	61.0	55.3	129.1	47.6	125.5	23.9	127.4	23.0	131.6	47.7
05/05/06	4.6	0.0	60.9	55.5	117.4	35.9	115.0	23.2	118.1	22.1	117.0	35.5
05/06/06	4.6	0.0	58.9	55.5	119.9	38.4	116.2	22.1	118.2	21.0	118.7	35.3
05/07/06	4.6	0.0	58.2	55.4	121.0	39.6	118.5	22.0	122.5	20.6	125.0	54.2
05/08/06	7.3	0.0	58.2	52.4	124.4	40.5	121.9	25.1	122.5	22.3	126.1	67.9
05/09/06	7.9	0.0	54.8	47.0	116.3	31.8	113.3	30.2	115.0	25.1	115.3	66.0
05/10/06	7.9	0.0	52.0	42.0	107.6	24.7	107.1	31.4	108.9	27.7	114.2	67.7
05/11/06	7.7	0.0	---	---	99.8	20.3	97.1	29.3	97.6	26.0	98.3	42.5

**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		
04/28/06	303.5	128.4	299.1	108.9	292.2	99.4	335.8	112.0	83.8	128.6
04/29/06	305.2	126.2	298.9	108.7	292.6	96.6	312.6	100.9	79.2	121.1
04/30/06	316.7	139.6	316.8	106.3	309.9	99.8	318.6	100.5	78.7	127.8
05/01/06	357.2	182.4	337.0	143.2	329.7	117.7	340.1	119.5	81.5	127.6
05/02/06	358.7	181.2	365.9	182.4	361.5	162.9	382.8	159.9	84.2	127.2
05/03/06	354.4	180.7	354.7	162.4	346.5	141.2	378.4	152.2	84.8	129.9
05/04/06	346.2	170.7	347.9	129.7	341.5	126.6	364.5	140.8	83.6	128.7
05/05/06	298.4	120.3	304.3	106.9	299.7	117.7	316.0	99.4	79.7	125.4
05/06/06	303.2	125.7	270.7	91.2	262.9	103.5	296.6	95.0	74.3	115.8
05/07/06	320.4	146.1	323.0	108.8	316.0	119.6	317.3	95.6	82.7	127.6
05/08/06	307.5	131.4	314.9	118.6	307.9	119.6	318.8	96.3	83.6	127.4
05/09/06	296.3	117.6	282.9	99.0	279.8	110.9	320.8	92.6	85.1	131.6
05/10/06	308.5	139.7	298.0	109.4	294.6	115.4	315.2	94.6	82.2	127.0
05/11/06	269.6	99.4	266.2	109.9	255.6	100.8	296.7	89.7	76.2	118.5

# HATCHERY RELEASE LAST TWO WEEKS

## Hatchery Release Summary

From: **4/28/2006** to **05/11/06**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Idaho Dept. of Fish and Game	Oxbow-Idaho	CH0	FA	2006	190,000	05-02-06	05-02-06	Hells Canyon Dam	Snake River
Idaho Dept. of Fish and Game	Oxbow-Idaho	CH0	FA	2006	200,000	05-02-06	05-02-06	Hells Canyon Dam	Snake River
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2006	40,000	05-02-06	05-02-06	Redfish Lake Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2006	40,000	05-02-06	05-02-06	Salmon River (ID)	Salmon River (ID)
<b>Idaho Dept. of Fish and Game Total</b>					<b>470,000</b>				
Nez Perce Tribe	Dworshak NFH	CO	UN	2006	186,500	05-01-06	05-02-06	Clear Creek	Clearwater River M F
Nez Perce Tribe	Irrigon Hatchery Complex	ST	SU	2006	162,000	04-11-06	05-02-06	L Sheep Acclim Pond	Imnaha River
<b>Nez Perce Tribe Total</b>					<b>348,500</b>				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2006	100,000	05-02-06	05-12-06	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2006	174,000	04-29-06	05-11-06	Wallowa Acclim Pond	Wallowa River
Oregon Dept. of Fish and Wildlife	Umatilla Hatchery	CH0	FA	2006	400,000	05-08-06	05-10-06	Hells Canyon Dam	Snake River
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>674,000</b>				
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2006	100,000	05-08-06	05-12-06	East Fk Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2006	240,000	05-08-06	05-10-06	Yankee Fk (Salmon R)	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2006	850,000	04-14-06	05-05-06	Salmon River (ID)	Salmon River (ID)
U.S. Fish and Wildlife Service	Spring Creek NFH	CH0	FA	2006	3,421,008	05-05-06	05-05-06	Spring Creek Hatchery	L Col R (D/s McN Dam)
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>5,024,008</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	Umatilla Hatchery	ST	SU	2006	45,000	04-30-06	05-15-06	Bonifer Acclim Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2006	45,000	04-30-06	05-15-06	Pendelton Acclim Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2006	45,000	04-30-06	05-15-06	Thornhollow Acclim Pond	Umatilla River
<b>Umatilla Tribe Total</b>					<b>561,579</b>				
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2006	2,000	05-10-06	05-11-06	Hood River	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2006	20,000	04-28-06	05-10-06	W Fk Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	1,900	05-08-06	05-09-06	Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	1,900	05-09-06	05-10-06	Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	23,000	04-25-06	05-08-06	W Fk Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2006	23,000	04-25-06	05-08-06	W Fk Hood River	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>104,800</b>				
Washington Dept. of Fish and Wildlife	Chiwawa Hatchery	CH1	SP	2006	201,012	04-17-06	04-30-06	Chiwawa Hatchery	Wenatchee 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	Ringold Springs Hatchery	CH0	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	SU	2006	15,383	05-01-06	05-01-06	Klickitat River	Klickitat River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	WI	2006	5,003	05-02-06	05-02-06	White Salmon River	White Salmon 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>1,601,398</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	Leavenworth NFH	CO	UN	2006	34,112	04-26-06	05-15-06	Nason Creek	Wenatchee River
Yakama Tribe	Leavenworth NFH	CO	UN	2006	108,064	04-26-06	05-15-06	Maher Creek Acclim. Pond	Wenatchee River
Yakama Tribe	Leavenworth NFH	CO	UN	2006	108,574	04-26-06	05-15-06	Coulter Creek	Wenatchee 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
<b>Yakama Tribe Total</b>					<b>1,506,449</b>				
<b>Grand Total</b>					<b>10,290,734</b>				

## HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary										
From:		5/12/2006	to	5/25/2006						
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver	
National Marine Fisheries Service	Lyons Ferry Hatchery	CH0	FA	2006	230,000	05-15-06	06-02-06	Cpt John Acclim Pond	Snake River	
<b>National Marine Fisheries Service Total</b>					<b>230,000</b>					
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2006	100,000	05-02-06	05-12-06	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River	
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>100,000</b>					
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2006	100,000	05-08-06	05-12-06	East Fk Salmon River	Salmon River (ID)	
<b>U.S. Fish and Wildlife Service Total</b>					<b>100,000</b>					
Umatilla Tribe	Umatilla Hatchery	ST	SU	2006	45,000	04-30-06	05-15-06	Bonifer Acclim Pond	Umatilla River	
Umatilla Tribe	Umatilla Hatchery	ST	SU	2006	45,000	04-30-06	05-15-06	Pendelton Acclim Pond	Umatilla River	
Umatilla Tribe	Umatilla Hatchery	ST	SU	2006	45,000	04-30-06	05-15-06	Thornhollow Acclim Pond	Umatilla River	
<b>Umatilla Tribe Total</b>					<b>135,000</b>					
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2006	400,000	05-24-06	06-01-06	Grande Ronde River	Grande Ronde River	
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>400,000</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	Leavenworth NFH	CO	UN	2006	34,112	04-26-06	05-15-06	Nason Creek	Wenatchee River	
Yakama Tribe	Leavenworth NFH	CO	UN	2006	108,064	04-26-06	05-15-06	Maher Creek Acclim. Pond	Wenatchee River	
Yakama Tribe	Leavenworth NFH	CO	UN	2006	108,574	04-26-06	05-15-06	Coulter Creek	Wenatchee River	
<b>Yakama Tribe Total</b>					<b>1,036,604</b>					
<b>Grand Total</b>					<b>2,001,604</b>					

## Gas Bubble Trauma Monitoring Results from Representative Sites on the Snake River and Columbia River

Site	Date	Species	Number of Fish	Number w GBT signs	Number w Fin Signs	% Fin GBT	% Severe Fin GBT	Number of Fish with Fin GBT Listed by Highest Rank			
								Rank 1	Rank 2	Rank 3	Rank 4
<b>Lower Granite Dam</b>											
	05/09/06	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
<b>Little Goose Dam</b>											
	05/02/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/09/06	Chinook + Steelhead	100	4	4	4.00%	0.00%	4	0	0	0
<b>Lower Monumental Dam</b>											
	05/08/06	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0
<b>McNary Dam</b>											
	05/04/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/08/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
<b>Bonneville Dam</b>											
	05/02/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/05/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/09/06	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
<b>Rock Island Dam</b>											
	05/04/06	Chinook + Steelhead	100	5	5	5.00%	0.00%	5	0	0	0
	05/11/06	Chinook + Steelhead	99	3	3	3.03%	0.00%	3	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 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>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</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>		
4/28	---	---	---	0	119	120	121	24	108	109	111	24	105	106	107	24	106	106	107	24
4/29	---	---	---	0	120	121	121	25	110	111	112	24	107	108	109	25	106	107	107	24
4/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/1	---	---	---	0	122	122	123	24	110	110	110	24	108	108	109	24	106	107	107	24
5/2	---	---	---	0	121	122	122	24	109	109	109	24	107	108	108	24	106	106	106	16
5/3	---	---	---	0	121	122	123	22	110	110	111	22	108	108	109	22	107	107	107	24
5/4	---	---	---	0	121	122	124	24	111	112	113	24	109	110	111	24	107	108	108	24
5/5	---	---	---	0	122	122	123	24	113	114	115	24	111	112	112	24	109	110	110	24
5/6	---	---	---	0	121	122	123	24	114	114	115	24	111	112	112	24	110	110	110	23
5/7	---	---	---	0	122	122	123	24	114	114	114	24	112	113	113	24	110	110	111	24
5/8	---	---	---	0	121	122	122	24	113	113	114	24	111	111	112	24	110	110	110	24
5/9	---	---	---	0	121	122	123	24	112	112	112	24	110	110	111	24	109	110	110	24
5/10	---	---	---	0	121	122	123	24	112	113	113	24	110	110	111	24	110	110	110	24
5/11	---	---	---	0	122	122	122	24	113	114	114	24	112	112	113	24	110	110	110	7

### 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>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</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>		
4/28	105	106	107	24	105	105	106	24	107	108	113	24	107	107	108	24	107	107	108	24
4/29	106	106	107	23	106	106	106	24	109	110	113	25	108	108	109	25	109	111	115	25
4/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/1	106	106	107	22	105	106	106	24	108	109	116	24	107	107	107	24	109	111	114	24
5/2	105	105	106	15	104	105	106	24	107	108	113	24	106	107	109	24	109	111	112	24
5/3	106	106	107	24	106	106	106	24	108	109	114	24	109	109	109	24	111	112	113	24
5/4	107	107	108	24	106	107	108	24	108	109	109	24	109	109	110	24	112	113	114	24
5/5	109	109	110	24	108	108	109	24	112	115	123	24	109	109	109	24	110	111	113	24
5/6	110	110	111	24	109	109	109	24	113	116	123	24	109	109	109	24	110	110	110	24
5/7	109	110	110	24	108	109	109	24	110	110	111	24	109	109	109	24	110	110	110	24
5/8	109	109	109	24	108	108	108	24	112	115	117	24	108	109	109	24	109	110	110	24
5/9	109	109	109	23	107	108	108	21	112	114	119	21	108	109	110	24	109	110	111	24
5/10	109	109	110	24	108	109	109	24	110	111	113	24	111	112	112	24	112	112	113	24
5/11	110	110	110	7	109	110	110	24	111	112	114	24	113	114	114	24	113	114	116	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>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</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>		
4/28	107	108	108	24	116	116	116	24	114	115	118	23	115	117	118	23	114	116	117	23
4/29	108	109	111	25	113	115	116	25	114	115	116	23	116	117	119	15	116	117	119	23
4/30	---	---	---	0	---	---	---	0	109	110	111	23	---	---	---	0	109	110	111	23
5/1	108	110	113	24	115	115	116	24	109	109	110	23	115	117	119	16	110	111	113	23
5/2	110	111	112	24	115	116	116	24	112	113	115	23	117	119	120	23	113	115	119	23
5/3	112	112	112	24	116	116	117	24	111	112	113	23	116	118	122	23	116	117	118	23
5/4	112	113	113	24	109	117	117	24	114	115	117	23	115	116	117	23	115	116	117	23
5/5	113	113	114	24	101	101	101	24	116	117	118	23	117	119	122	23	116	118	120	23
5/6	113	113	113	24	101	101	101	24	114	115	116	23	119	121	125	23	116	117	120	23
5/7	113	113	113	24	101	101	101	24	112	113	113	23	115	117	118	23	115	116	117	23
5/8	111	113	113	24	107	112	115	24	110	111	112	23	115	117	119	23	111	112	113	23
5/9	108	109	110	24	113	114	115	24	112	114	116	23	115	118	122	23	112	114	115	23
5/10	111	112	113	24	115	116	117	24	113	114	115	23	115	117	121	23	116	119	121	23
5/11	112	113	114	24	116	117	117	24	113	113	114	23	115	117	119	23	115	116	117	23

## 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>		
4/28	120	121	121	23	115	116	117	24	108	108	108	24	104	105	105	24	108	109	109	24
4/29	120	121	122	23	115	116	117	25	108	108	109	24	104	105	105	24	108	108	109	23
4/30	118	118	120	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/1	113	114	119	23	112	113	114	24	100	101	107	24	102	103	103	24	108	109	111	24
5/2	115	117	120	23	108	110	110	24	99	100	100	24	101	102	103	24	107	108	108	24
5/3	118	119	119	23	112	114	114	24	99	99	100	24	101	102	103	24	107	108	109	21
5/4	116	116	117	23	113	114	114	24	99	100	102	24	101	102	103	24	108	108	109	24
5/5	115	116	117	23	---	---	---	0	101	102	103	23	102	103	104	23	108	109	109	24
5/6	117	118	119	23	111	112	113	24	102	102	103	24	102	103	103	24	107	108	109	24
5/7	115	115	116	23	110	111	112	24	101	102	102	24	101	101	102	24	107	107	107	24
5/8	111	112	113	23	109	110	111	24	100	100	102	24	101	102	102	24	107	108	108	24
5/9	113	114	117	23	108	110	111	24	100	100	101	24	101	102	103	24	107	107	108	24
5/10	115	117	117	23	111	112	113	24	100	101	102	24	102	103	104	24	106	107	108	24
5/11	114	115	116	23	112	113	114	24	102	102	103	24	102	102	103	24	106	106	107	24

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

Date	<u>Clrwtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite Tlwr</u>			<u>Little Goose</u>			<u>L. Goose Tlwr</u>			#				
	<u>24 h</u>	<u>12 h</u>	<u>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>		
4/28	103	104	106	24	107	107	108	24	117	117	118	24	113	115	115	24	115	116	116	24
4/29	103	104	105	24	108	108	108	24	118	119	120	24	115	115	116	24	116	116	117	24
4/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/1	101	102	103	24	106	106	106	24	123	124	124	24	112	112	113	24	117	118	119	24
5/2	101	102	103	24	105	105	106	24	121	122	124	24	114	115	115	24	117	117	118	24
5/3	101	102	104	24	106	106	107	24	120	120	120	24	116	117	118	24	118	118	119	24
5/4	102	103	104	24	106	107	107	24	119	119	120	24	117	117	117	24	118	118	118	24
5/5	102	104	105	23	107	107	107	24	117	118	119	24	117	117	119	24	118	118	118	24
5/6	102	103	104	24	107	107	108	24	117	117	118	24	116	117	117	24	117	118	118	24
5/7	101	101	101	24	106	106	107	24	117	117	117	24	112	113	114	24	114	115	116	24
5/8	101	102	103	24	105	105	105	24	117	118	120	24	110	110	111	24	113	114	114	24
5/9	101	103	104	24	104	104	104	24	115	116	117	24	110	110	111	24	115	115	116	24
5/10	102	103	105	24	105	105	106	24	112	114	116	24	111	111	112	24	116	116	117	24
5/11	102	102	103	24	107	107	107	24	111	111	111	24	112	112	115	24	115	115	118	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>	<u>Avg</u>		
4/28	115	116	116	24	117	118	118	24	114	114	115	24	117	118	119	24	---	---	---	0
4/29	116	117	117	24	117	118	119	24	115	116	116	24	117	118	118	24	---	---	---	0
4/30	114	114	115	24	117	118	119	24	113	113	114	24	118	118	119	24	---	---	---	0
5/1	114	114	114	24	117	118	119	24	113	113	114	24	120	121	122	24	---	---	---	0
5/2	114	115	117	24	116	118	119	24	113	113	114	24	119	120	121	24	---	---	---	0
5/3	117	117	118	24	118	118	119	24	115	115	115	24	118	119	120	24	---	---	---	0
5/4	116	117	117	24	117	117	118	24	115	116	116	24	117	117	117	24	---	---	---	0
5/5	117	118	118	24	117	117	118	24	116	116	117	24	117	117	118	24	---	---	---	0
5/6	117	117	117	24	118	118	118	24	116	116	116	4	117	117	117	4	---	---	---	0
5/7	115	115	116	24	118	118	118	24	114	114	115	21	117	118	120	21	---	---	---	0
5/8	112	113	114	24	116	117	118	24	112	112	113	24	118	120	121	24	---	---	---	0
5/9	111	111	112	24	115	116	116	24	111	111	112	24	118	119	121	24	---	---	---	0
5/10	113	115	116	24	121	122	122	24	112	113	114	24	118	120	120	24	---	---	---	0
5/11	116	117	118	24	121	122	122	24	115	115	116	24	117	118	120	24	---	---	---	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 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>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</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>		
4/28	115	116	117	24	117	118	120	24	115	115	116	23	119	119	119	23	115	116	116	24
4/29	116	116	117	25	116	117	120	25	115	116	116	25	115	118	120	25	114	115	117	25
4/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/1	111	112	112	24	119	120	120	24	112	112	113	24	115	116	121	24	112	112	114	24
5/2	111	112	114	24	120	120	121	24	109	110	110	24	119	121	122	24	115	116	119	24
5/3	111	112	112	24	120	120	122	24	110	111	112	24	120	120	120	24	116	117	118	24
5/4	112	114	115	24	119	120	120	24	112	113	114	24	119	119	119	24	114	115	116	24
5/5	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
5/6	114	114	115	24	117	118	120	24	114	115	116	24	118	118	118	24	112	113	115	24
5/7	110	110	112	24	119	120	120	24	112	113	113	24	118	118	119	24	111	112	112	24
5/8	108	108	109	24	116	117	120	24	109	110	111	24	118	119	119	24	110	110	111	24
5/9	109	110	112	24	115	115	115	24	107	107	107	24	117	118	119	24	111	113	114	24
5/10	111	112	113	24	118	119	120	24	107	108	109	24	118	119	119	24	111	112	113	24
5/11	113	114	114	20	117	120	120	24	109	110	110	24	117	119	120	24	112	113	114	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>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</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>		
4/28	118	118	119	22	116	117	118	24	117	117	117	24	116	117	117	24	119	119	119	17
4/29	121	121	121	1	115	117	117	25	116	117	117	24	115	116	116	25	120	120	121	18
4/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	119	120	121	14
5/1	115	115	116	8	111	111	112	24	114	114	115	23	111	112	113	24	121	122	128	17
5/2	119	120	121	24	113	114	117	24	117	117	118	23	114	116	117	24	122	123	124	17
5/3	120	120	120	24	118	119	120	24	120	120	120	23	117	118	119	24	122	122	124	17
5/4	118	119	119	24	119	119	120	24	120	120	120	23	118	119	119	24	124	124	124	17
5/5	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	120	121	121	17
5/6	117	117	118	24	114	115	116	24	115	115	116	23	114	115	115	24	119	119	120	17
5/7	116	117	117	24	112	112	113	24	113	113	113	23	112	112	113	24	120	120	120	17
5/8	115	116	116	24	111	111	112	24	112	113	114	23	111	111	112	24	120	121	122	17
5/9	116	118	119	24	113	114	114	24	114	114	114	23	112	113	114	24	120	121	122	17
5/10	117	118	118	24	115	116	118	24	115	116	116	23	114	115	115	24	120	120	121	17
5/11	117	117	118	24	115	116	117	24	116	116	117	23	115	116	116	24	119	120	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/currentsmppsubmitdata.asp>

<b>COMBINED YEARLING CHINOOK</b>												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
04/28/2006	*	1,559	43	215	1,114	90,137	83,360	34,965	232	---	42,931	39,526
04/29/2006	*	733	---	272	1,001	90,110	94,868	35,606	2,643	59,115	44,511	33,508
04/30/2006	*	577	---	510	1,360	129,835	57,678	27,589	5,228	---	50,872	33,432
05/01/2006	*	---	3	232	530	194,703	104,256	36,196	1,952	65,897	62,283	51,971
05/02/2006	*	---	10	4	---	205,603	157,473	63,998	1,685	---	80,097	52,165
05/03/2006		---	17	160	---	208,816	216,346	59,568	822	68,753	56,952	55,241
05/04/2006	*	---	30	100	---	160,779	335,932	59,084	2,227	---	69,815	43,799
05/05/2006		84	81	71	587	183,801	210,037	53,849	1,276	66,147	61,643	53,051
05/06/2006	*	37	31	87	480	126,030	170,504	53,862	475	---	42,305	53,140
05/07/2006		40	43	93	255	177,521	143,617	59,524	1,940	99,449	61,990	44,492
05/08/2006	*	140	38	107	214	261,237	203,182	66,606	1,390	---	62,462	23,112
05/09/2006	*	104	14	153	469	244,264	146,922	79,083	2,405	123,881	70,207	39,875
05/10/2006	*	47	---	68	324	121,421	128,967	72,928	985	---	80,424	47,013
05/11/2006	*	34	---	53	486	72,827	64,840	55,004	985	85,833	91,472	60,435
05/12/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
<b>Total:</b>		<b>3,355</b>	<b>310</b>	<b>2,125</b>	<b>6,820</b>	<b>2,267,084</b>	<b>2,117,982</b>	<b>757,862</b>	<b>24,245</b>	<b>569,075</b>	<b>877,964</b>	<b>630,760</b>
<b># Days:</b>		<b>10</b>	<b>10</b>	<b>14</b>	<b>11</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>		<b>336</b>	<b>31</b>	<b>152</b>	<b>620</b>	<b>161,935</b>	<b>151,284</b>	<b>54,133</b>	<b>1,732</b>	<b>81,296</b>	<b>62,712</b>	<b>45,054</b>
<b>YTD</b>		<b>30,631</b>	<b>24,856</b>	<b>11,512</b>	<b>16,725</b>	<b>3,013,278</b>	<b>2,865,511</b>	<b>768,063</b>	<b>27,522</b>	<b>958,704</b>	<b>1,212,562</b>	<b>1,267,538</b>

<b>COMBINED SUBYEARLING CHINOOK</b>												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
04/28/2006	*	0	0	0	0	0	1,290	181	48	---	440	2,185
04/29/2006	*	0	---	0	3	0	773	61	7	2,249	2,226	1,185
04/30/2006	*	0	---	0	15	0	0	0	12	---	954	505
05/01/2006	*	---	0	1	6	350	267	0	20	1,215	861	1,523
05/02/2006	*	---	0	0	---	0	0	0	10	---	786	2,488
05/03/2006		---	1	0	---	0	254	0	5	6,988	1,192	1,336
05/04/2006	*	---	0	0	---	320	0	0	5	---	876	1,554
05/05/2006		0	1	0	7	939	498	0	3	2,179	1,780	2,591
05/06/2006	*	0	0	0	7	287	0	0	6	---	1,126	226,636
05/07/2006		0	0	0	13	295	8,882	0	0	2,260	205	119,980
05/08/2006	*	0	0	0	12	298	494	0	2	---	155	45,495
05/09/2006	*	0	0	0	3	291	2,069	0	42	1,268	484	21,695
05/10/2006	*	0	---	0	4	0	0	0	3	---	216	10,573
05/11/2006	*	0	---	0	3	0	0	0	6	3,403	926	6,310
05/12/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
<b>Total:</b>		<b>0</b>	<b>2</b>	<b>1</b>	<b>73</b>	<b>2,780</b>	<b>14,527</b>	<b>242</b>	<b>169</b>	<b>19,562</b>	<b>12,227</b>	<b>444,056</b>
<b># Days:</b>		<b>10</b>	<b>10</b>	<b>14</b>	<b>11</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>199</b>	<b>1,038</b>	<b>17</b>	<b>12</b>	<b>2,795</b>	<b>873</b>	<b>31,718</b>
<b>YTD</b>		<b>3</b>	<b>35</b>	<b>7</b>	<b>110</b>	<b>10,764</b>	<b>25,575</b>	<b>340</b>	<b>1,390</b>	<b>46,219</b>	<b>16,811</b>	<b>1,696,314</b>

## Two-Week Summary of Passage Indices

COMBINED COHO												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
04/28/2006	*	0	0	0	0	582	1,290	362	13	---	660	5,157
04/29/2006	*	0	---	0	0	585	1,289	123	67	172	318	6,432
04/30/2006	*	0	---	0	2	605	0	121	187	---	1,451	4,992
05/01/2006	*	---	0	0	1	1,051	802	0	38	560	1,079	12,972
05/02/2006	*	---	0	0	---	1,062	272	198	96	---	524	15,854
05/03/2006		---	0	0	---	649	508	122	73	1,851	1,791	18,711
05/04/2006	*	---	0	0	---	2,882	2,451	181	218	---	3,229	13,140
05/05/2006		0	0	0	1	939	2,482	0	265	852	1,335	12,547
05/06/2006	*	0	0	0	0	1,435	503	0	143	---	2,413	11,405
05/07/2006		0	0	0	0	1,769	0	181	864	1,989	1,432	16,497
05/08/2006	*	0	0	0	0	2,975	0	181	899	---	4,638	8,029
05/09/2006	*	0	0	0	3	1,456	1,035	187	1,026	1,433	3,553	8,727
05/10/2006	*	0	---	0	0	3,006	2,207	198	1,179	---	8,216	15,221
05/11/2006	*	0	---	0	0	2,030	855	340	1,009	1,701	4,168	10,437
05/12/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
<b>Total:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>21,026</b>	<b>13,694</b>	<b>2,194</b>	<b>6,077</b>	<b>8,558</b>	<b>34,807</b>	<b>160,121</b>
<b># Days:</b>		<b>10</b>	<b>10</b>	<b>14</b>	<b>11</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1,502</b>	<b>978</b>	<b>157</b>	<b>434</b>	<b>1,223</b>	<b>2,486</b>	<b>11,437</b>
<b>YTD</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>25,810</b>	<b>16,617</b>	<b>2,207</b>	<b>6,183</b>	<b>10,709</b>	<b>36,627</b>	<b>227,060</b>

COMBINED STEELHEAD												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
04/28/2006	*	148	307	38	75	82,577	145,008	54,530	69	---	52,387	6,383
04/29/2006	*	187	---	50	71	129,314	110,585	52,643	164	21,926	42,762	6,600
04/30/2006	*	73	---	156	117	116,821	100,205	44,045	238	---	54,836	15,743
05/01/2006	*	---	155	48	154	127,117	87,915	41,220	126	24,388	66,163	23,302
05/02/2006	*	---	227	1	---	241,345	130,402	50,604	194	---	88,212	12,627
05/03/2006		---	164	224	---	179,961	155,131	38,137	216	17,160	62,319	6,979
05/04/2006	*	---	408	215	---	185,120	349,019	46,670	351	---	53,118	7,771
05/05/2006		46	509	253	31	268,656	219,902	42,065	266	20,091	39,389	6,683
05/06/2006	*	49	388	73	37	126,317	154,865	53,682	204	---	40,375	7,643
05/07/2006		47	381	95	46	138,891	115,466	49,030	485	15,099	33,346	4,999
05/08/2006	*	54	538	70	118	98,485	91,354	51,376	796	---	37,724	6,082
05/09/2006	*	78	409	180	202	101,025	60,520	42,352	654	19,766	39,756	7,393
05/10/2006	*	77	---	87	54	85,061	76,500	27,224	631	---	26,809	4,841
05/11/2006	*	56	---	78	58	59,886	56,994	25,615	780	12,101	24,315	3,641
05/12/2006		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
<b>Total:</b>		<b>815</b>	<b>3,486</b>	<b>1,568</b>	<b>963</b>	<b>1,940,576</b>	<b>1,853,866</b>	<b>619,193</b>	<b>5,174</b>	<b>130,531</b>	<b>661,511</b>	<b>120,687</b>
<b># Days:</b>		<b>10</b>	<b>10</b>	<b>14</b>	<b>11</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>		<b>82</b>	<b>349</b>	<b>112</b>	<b>88</b>	<b>138,613</b>	<b>132,419</b>	<b>44,228</b>	<b>370</b>	<b>18,647</b>	<b>47,251</b>	<b>8,621</b>
<b>YTD</b>		<b>1,821</b>	<b>17,275</b>	<b>7,680</b>	<b>2,305</b>	<b>3,164,524</b>	<b>2,873,211</b>	<b>631,327</b>	<b>5,522</b>	<b>307,543</b>	<b>863,683</b>	<b>157,301</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)
04/28/2006 *	0	0	0	0	1,454	517	544	478	---	1,430	0
04/29/2006 *	0	---	0	0	878	1,291	245	1,208	4,485	636	254
04/30/2006 *	0	---	0	2	303	5	0	696	---	737	254
05/01/2006 *	---	0	0	0	700	1,339	130	346	11,853	1,293	401
05/02/2006 *	---	0	0	---	708	1,643	924	551	---	2,356	644
05/03/2006	---	0	0	---	649	513	305	259	28,985	2,087	297
05/04/2006 *	---	0	0	---	320	2,969	1,755	488	---	8,761	283
05/05/2006	0	0	0	1	0	513	677	271	16,941	11,572	1,091
05/06/2006 *	2	0	0	2	287	1,531	365	106	---	16,085	7,886
05/07/2006	2	0	0	7	1,180	493	362	413	33,085	12,276	6,499
05/08/2006 *	0	0	0	12	1,488	746	363	738	---	13,915	5,839
05/09/2006 *	0	0	0	194	873	1,041	562	947	34,405	16,314	8,484
05/10/2006 *	5	---	0	179	1,913	553	398	854	---	26,160	8,550
05/11/2006 *	2	---	0	34	1,776	292	273	507	22,498	20,379	6,553
05/12/2006	---	---	---	---	---	---	---	---	---	---	---
<b>Total:</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>431</b>	<b>12,529</b>	<b>13,446</b>	<b>6,903</b>	<b>7,862</b>	<b>152,252</b>	<b>134,001</b>	<b>47,035</b>
<b># Days:</b>	<b>10</b>	<b>10</b>	<b>14</b>	<b>11</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>895</b>	<b>960</b>	<b>493</b>	<b>562</b>	<b>21,750</b>	<b>9,572</b>	<b>3,360</b>
<b>YTD</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>434</b>	<b>22,096</b>	<b>27,814</b>	<b>7,078</b>	<b>8,725</b>	<b>160,096</b>	<b>137,726</b>	<b>48,001</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  
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.

## Two Week Transportation Summary

Source: Fish Passage Center

Updated:

5/12/06 10:44 AM

		04/29/06	TO	05/12/06			
		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	1,800	1,481,092	14,200	8,600	1,256,708	2,762,400
	Sum of NumberBarged	1,773	1,350,084	14,125	8,413	1,240,835	2,615,230
	Sum of NumberBypassed	0	126,610	0	0	15,156	141,766
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	1	87	0	6	25	119
	Sum of FacilityMorts	26	4,047	75	181	669	4,998
	Sum of ResearchMorts	0	264	0	0	23	287
	Sum of TotalProjectMorts	27	4,398	75	187	717	5,404
<b>LGS</b>	Sum of NumberCollected	11,602	1,660,788	10,600	10,491	1,455,960	3,149,441
	Sum of NumberBarged	11,591	1,658,657	10,597	10,304	1,455,039	3,146,188
	Sum of NumberBypassed	9	1	0	0	2	12
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	24	0	4	3	31
	Sum of FacilityMorts	2	1,385	3	183	237	1,810
	Sum of ResearchMorts	0	7	0	0	0	7
	Sum of TotalProjectMorts	2	1,416	3	187	240	1,848
<b>LMN</b>	Sum of NumberCollected	199	604,165	1,742	5,534	497,749	1,109,389
	Sum of NumberBarged	50	597,393	1,593	5,080	485,892	1,090,008
	Sum of NumberBypassed	149	24,265	149	446	38,924	63,933
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	26	0	3	10	39
	Sum of FacilityMorts	0	481	0	105	323	909
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	0	507	0	108	333	948
<b>MCN</b>	Sum of NumberCollected	10,314	311,938	4,601	82,629	71,239	480,721
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	10,294	311,713	4,600	82,588	71,194	480,389
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	4	27	0	5	6	42
	Sum of FacilityMorts	14	173	1	30	36	254
	Sum of ResearchMorts	2	25	0	6	3	36
	Sum of TotalProjectMorts	20	225	1	41	45	332
<b>Total Sum of NumberCollected</b>		<b>23,915</b>	<b>4,057,983</b>	<b>31,143</b>	<b>107,254</b>	<b>3,281,656</b>	<b>7,501,951</b>
<b>Total Sum of NumberBarged</b>		<b>13,414</b>	<b>3,606,134</b>	<b>26,315</b>	<b>23,797</b>	<b>3,181,766</b>	<b>6,851,426</b>
<b>Total Sum of NumberBypassed</b>		<b>10,452</b>	<b>462,589</b>	<b>4,749</b>	<b>83,034</b>	<b>125,276</b>	<b>686,100</b>
<b>Total Sum of Numbertrucked</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Sum of SampleMorts</b>		<b>5</b>	<b>164</b>	<b>0</b>	<b>18</b>	<b>44</b>	<b>231</b>
<b>Total Sum of FacilityMorts</b>		<b>42</b>	<b>6,086</b>	<b>79</b>	<b>499</b>	<b>1,265</b>	<b>7,971</b>
<b>Total Sum of ResearchMorts</b>		<b>2</b>	<b>296</b>	<b>0</b>	<b>6</b>	<b>26</b>	<b>330</b>
<b>Total Sum of TotalProjectMorts</b>		<b>49</b>	<b>6,546</b>	<b>79</b>	<b>523</b>	<b>1,335</b>	<b>8,532</b>

### YTD Transportation Summary

Source: Fish Passage Center

Updated:

5/12/06 10:44 AM

TO: 05/12/06

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	6,940	1,966,380	17,280	15,040	2,059,489	4,065,129
	Sum of NumberBarged	2,173	1,564,295	15,717	9,863	1,770,893	3,362,941
	Sum of NumberBypassed	4,736	397,177	1,479	4,930	287,743	696,065
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	5	171	1	17	58	252
	Sum of FacilityMorts	26	4,460	83	230	758	5,557
	Sum of ResearchMorts	0	277	0	0	37	314
	Sum of TotalProjectMorts	31	4,908	84	247	853	6,123
<b>LGS</b>	Sum of NumberCollected	20,156	2,237,127	12,824	21,473	2,236,751	4,528,331
	Sum of NumberBarged	16,073	1,857,004	11,297	12,326	1,643,514	3,540,214
	Sum of NumberBypassed	4,075	376,386	1,524	8,894	591,447	982,326
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	3	76	0	8	7	94
	Sum of FacilityMorts	5	2,577	3	251	351	3,187
	Sum of ResearchMorts	0	9	0	0	1	10
	Sum of TotalProjectMorts	8	2,662	3	259	359	3,291
<b>LMN</b>	Sum of NumberCollected	269	612,250	1,752	5,666	507,355	1,127,292
	Sum of NumberBarged	50	597,393	1,593	5,080	485,892	1,090,008
	Sum of NumberBypassed	218	32,278	159	576	48,473	81,704
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	1	27	0	3	10	41
	Sum of FacilityMorts	0	502	0	107	330	939
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1	529	0	110	340	980
<b>MCN</b>	Sum of NumberCollected	23,833	509,511	5,712	86,566	163,903	789,525
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	23,753	509,053	5,710	86,513	163,806	788,835
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	30	65	0	6	11	112
	Sum of FacilityMorts	48	366	2	41	82	539
	Sum of ResearchMorts	2	27	0	6	4	39
	Sum of TotalProjectMorts	80	458	2	53	97	690
Total Sum of NumberCollected		51,198	5,325,268	37,568	128,745	4,967,498	10,510,277
Total Sum of NumberBarged		18,296	4,018,692	28,607	27,269	3,900,299	7,993,163
Total Sum of NumberBypassed		32,782	1,314,894	8,872	100,913	1,091,469	2,548,930
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		39	339	1	34	86	499
Total Sum of FacilityMorts		79	7,905	88	629	1,521	10,222
Total Sum of ResearchMorts		2	313	0	6	42	363
Total Sum of TotalProjectMorts		120	8,557	89	669	1,649	11,084



**Cumulative Adult Passage at Mainstem Dams Through: 05/11**

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	05/11	59,660	704	51,836	942	128,288	4,587	0	0	0	0	0	0	0	0	0	0	0	0
TDA	05/11	26,900	232	38,396	645	81,894	2,624	0	0	0	0	0	0	0	0	0	0	0	0
JDA	05/11	15,273	245	33,937	632	65,536	1,805	0	0	0	0	0	0	0	0	0	0	0	0
MCN	05/11	3,293	152	27,661	543	56,225	1,443	0	0	0	0	0	0	0	0	0	0	0	0
IHR	05/11	2,456	33	12,872	106	35,288	841	0	0	0	0	0	0	0	0	0	0	0	0
LMN	05/11	1,067	15	11,053	102	31,820	650	0	0	0	0	0	0	0	0	0	0	0	0
LGS	05/11	500	3	8,228	45	28,274	564	0	0	0	0	0	0	0	0	0	0	0	0
LGR	05/11	287	1	7,584	43	26,754	459	0	0	0	0	0	0	0	0	0	0	0	0
PRD	05/10	216	0	5,068	4	9,941	20	0	0	0	0	0	0	0	0	0	0	0	0
RIS	05/10	57	8	1,694	8	5,247	43	0	0	0	0	0	0	0	0	0	0	0	0
RRH	05/10	21	0	559	1	1,681	2	0	0	0	0	0	0	0	0	0	0	0	0
WEL	05/10	2	0	40	0	561	1	0	0	0	0	0	0	0	0	0	0	0	0
WFA	05/05	11,242	25	16,619	356	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	2	0	2,028	1,438	2845	580
TDA	0	0	-1	1	0	0	0	0	0	1,025	645	910	345
JDA	0	0	3	-14	0	-1	0	0	0	2,210	960	2863	1,014
MCN	0	0	0	0	0	0	0	0	0	2,039	963	1408	750
IHR	0	0	0	0	0	0	0	0	0	2,622	1,260	1588	903
LMN	0	0	0	0	0	0	0	0	0	2,639	881	1603	1,017
LGS	0	0	0	0	0	0	0	0	0	2,638	978	1890	871
LGR	0	0	0	0	0	0	0	0	0	7,591	4,789	6199	2,303
PRD	2	-1	0	0	0	0	0	2	0	19	9	2	0
RIS	0	0	2	0	0	0	0	0	0	51	42	25	33
RRH	0	0	0	0	0	0	0	0	0	130	326	99	112
WEL	0	0	0	0	0	0	0	0	0	14	40	15	10
WFA	0	0	0	0	n/a	n/a	0	0	n/a	7,889	7,585	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: 05/12/06

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