



## Fish Passage Center

# Weekly Report #05 - 6

April 15, 2005

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### Summary of Events:

- Precipitation and snow pack have increased with recent storms, however Water Year totals remain below average.
- The April-Final Water Supply Forecasts at seven locations ranged between 35% and 83% of average, however have increased between two and seven percent relative to the March Final Water Supply Forecast.
- The Spring Flow Objective period started in the Lower Snake River on April 3rd and at McNary Dam and Priest Rapids Dam on April 10th. Since April 3rd flows at Lower Granite have averaged 39.4 Kcfs. Flows at McNary Dam have averaged 128.0 Kcfs since April 10th and flows at Priest Rapids have averaged 78.9 Kcfs.
- No spill to occur at the Snake River transport collector projects due to low flows as per the Biological Opinion.
- Spill has been initiated at Ice Harbor, McNary, John Day and The Dalles dams over the past week.
- The 2005 count of 358 adult chinook compares to 13,976 in 2004 and 33,245 for the 10-year average.

**Water Supply:** Precipitation throughout the Columbia Basin has been near or above average in April. Of the sites in Table 1, seven recorded precipitation that was greater than average over early April. Over the entire water year, precipitation remains below average.

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

Location	Water Year 2005 April 1-11		Water Year 2005 October 1, 2004 to April 11, 2005	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.57	94	12.22	82
Snake River Above Ice Harbor	0.46	86	8.55	79
Columbia Above The Dalles	0.60	100	11.39	76
Kootenai	0.69	107	11.97	79
Clark Fork	0.34	76	5.51	58
Flathead	0.33	58	11.18	88
Pend Oreille/Spokane	0.89	107	17.31	82
Central Washington	0.26	112	3.88	63
Snake River Plain	0.29	77	5.49	85
Salmon/Boise/Payette	0.45	77	8.98	67
Clearwater	1.20	124	14.27	74
SW Washington Cascades/Cowlitz	2.21	112	36.07	65
Willamette Valley	2.12	120	27.94	59

Recent storms have increased snowpack within the Columbia Basin, however snow pack continues to be well below average. Average snowpack in the Columbia River for basins above the Snake River confluence is 55% of average, for Snake River Basins the average snowpack is 68% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack is 31% of average.

Water Supply Forecasts have increased somewhat in response to late March and early April precipitation increasing between two and seven percent of average between the March Final and the April Final Forecasts. Table 2 displays the March Final and the April Final Forecasts runoff volume forecasts for multiple reservoirs along with runoff volumes that actually occurred in 2001 for comparison. All forecasts are currently above the actual runoff volumes recorded in 2001.

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

Location	March Final		April Final		Actual 2001 Runoff Volume (Kaf)
	% Average (1971-2000)	Probable Runoff Volume (Kaf)	% Average (1971-2000)	Probable Runoff Volume (Kaf)	
The Dalles (Jan-July)	66	70700	69	73800	58200
Grand Coulee (Jan-July)	80	50500	83	52200	37400
Libby Res. Inflow, MT (Jan-July)	77	4860	79	4990	3341
Hungry Horse Res. Inflow, MT (Jan-July)	67	1480	71	1580	1300
Lower Granite Res. Inflow (Apr- July)	46	9960	52	11100	10300
Brownlee Res. Inflow (Apr-July)	28	1740	35	2180	1970*
Dworshak Res. Inflow (Apr-July)	56	1470	58	1630	1470

The Spring Flow Objective period started in the Lower Snake River on April 3rd, 2005. Based on the April Final Forecast at Lower Granite (Apr-July), the flow objective will be 85 Kcfs at Lower Granite through June 20th. Since April 3rd, 2005, flows at Lower Granite have averaged 39.4 Kcfs

The Spring Flow Objective Periods at McNary Dam and Priest Rapids Dam began on April 10th. The flow objectives at McNary and Priest Rapids will be 220 Kcfs and 135 Kcfs,

respectively. Flows at McNary Dam have averaged 128.0 Kcfs since April 10th and flows at Priest Rapids have averaged 78.9 Kcfs.

Grand Coulee Reservoir is currently at an elevation of 1254.1 feet (April 14th 2005 midnight) and has held relatively steady over the last week.

The Libby Reservoir is currently at elevation 2413.6 feet and well below its flood control elevations. Libby was 29.2 feet below its April 10th FC Elevation. Outflows at Libby continue to be 4.0 Kcfs.

The Hungry Horse Reservoir is currently at an elevation of 3550.4 feet and holding steady. Hungry Horse was 5.7 feet below its April 10th FC Elevation. Outflows at Hungry Horse have increased over the last several days and are currently at 6.8 Kcfs.

The Dworshak reservoir is currently at an elevation of 1586.2 feet and refilled 2.7 feet last week. The COE continues increased outflows of 4.3 Kcfs due to flood control constraints determined by snow-covered area.

The Brownlee Reservoir was at an elevation of 2071.6 on April 14th, 2005 with outflows ranging between 10.0 and 13.4 Kcfs over the last week. Brownlee was 5.0 feet below its end April 10th FC Elevation.

**Smolt Monitoring:** Yearling chinook are being captured in relatively large numbers at most Snake River Basin SMP traps and increasing numbers of spring migrants have been captured at Lower Snake River dams as well. At Lower Columbia dams the numbers of fish passing is smaller but there have been relatively large increases in yearling chinook and steelhead indices at John Day and Bonneville dams the past few days.

At the Salmon River Trap there were two days where over 1,000 yearling chinook were captured during the past week. Between one half and a third of these fish were wild origin. Flows in the Salmon River were relatively high at 5 to 7 Kcfs over the past week although still below normal for this time of year. Flows in the Grande Ronde River were also relatively low for this time of year during this past week. The catch of yearling chinook averaged nearly 220 fish per day. The Imnaha Trap captured lower numbers of yearling chinook this

week than last as flows spiked April 6 as did catch and then both dropped quickly over the past week. Flows in the Imnaha River are now half of normal discharge and catch of yearling chinook is less than half of what it was last week at about 470 per day. Relatively small numbers of steelhead were captured in the upper tributary traps this past week.

At the Snake River Trap at Lewiston, the catch has been limited due to low flows. Discharge is averaging about 25 Kcfs per day over the past week at the Anatone gage. Unlike other traps the Lewiston Trap continues to captured more steelhead than yearling chinook. Most of the steelhead captured there this past week were hatchery origin.

At Lower Granite Dam in the Lower Snake River, passage indices for yearling chinook have increased significantly this past week while steelhead indices have stayed relatively steady. The daily index for yearling chinook averaged 8,300 this week compared to 1,700 last week while steelhead indices averaged 8,600 this week compared to 7,200 last week. It is unusual for steelhead to predominate in the run this time of year and it is likely due to early hatchery releases of steelhead in the Snake River Basin this spring due to low flows. Because there is no spill and transportation is being maximized relatively small numbers of yearling chinook and steelhead are showing up at Little Goose Dam. While at Lower Monumental Dam larger numbers of yearling chinook and steelhead have been collected due to hatchery releases from Lyons Ferry Hatchery both directly into the Snake River as well as releases into the Tucannon River.

At McNary Dam where sampling is being conducted every other day, indices for yearling chinook and steelhead have more than doubled compared to last week with yearling chinook indices reaching 2,500 by April 13 while steelhead indices jumped from an average of 400 per day last week to more than 1,500 per day this week.

At Bonneville Dam, where no spill has begun yet, yearling chinook, coho and steelhead indices all increased rapidly over the past week. Subyearling chinook indices decreased again this past week, while small numbers of sockeye were also collected in the sample.

**Spill:** There will be no spill at the Snake River transport collector projects in 2005 due to low flows. In accordance with the NOAA Biological Opinion measures, spill at IHR began on April 7 and will be provided according to the protocol determined for RSW testing. Biological Opinion spill in the lower Columbia River was initiated at McNary and John Day dams on April 10 and at The Dalles Dam on April 11, 2005. Spill at The Dalles Dam is being provided via fixed spill gate openings (dogged off) and variable gate operations of spillbays 1 and 2. Thus far volumes have been close (38%) to the 40% specified in the Biological Opinion. Spill at Bonneville Dam is expected to begin at 1800 hours today at Lower than BIOP determined levels in order to protect emerging chum salmon below the project from elevated levels of total dissolved gas. Biological Opinion spill levels are expected to begin next week at this project. The operation of the Wells Dam juvenile fish bypass system began at 0001 hours on April 13.

Total dissolved gas levels throughout the hydrosystem remain below the TDG waiver criteria. Gas bubble trauma monitoring has been initiated at Bonneville and McNary dams in the Lower Columbia. No signs of GBT have been observed.

**Hatchery Releases** - Releases of juvenile salmonids from Columbia River Basin hatcheries above Bonneville Dam are estimated near 83.6 million for the 2005 migration season. Supplemental and planned releases completed during the fall 2004 season are considered to be 2005 migrants. The Zone Release Report below summarizes "planned" hatchery releases from State, federal or Tribal hatcheries or acclimation ponds for this year's migration. These totals will be updated after release from the hatcheries and finalized through the year.

### Hatchery Zone Release Report

	Friday 15-Apr-2005			
	Snake River	Md-Columbia	Lower Columbia	Total Release
Fall Chinook	4,656,500	12,656,000	21,886,441	39,198,941
Spring Chinook	9,047,018	4,679,961	5,038,400	18,765,379
Summer Chinook	2,348,012	3,454,500		5,802,512
Coho	825,000	2,449,119	5,149,146	8,423,265
Sockeye	210,716	240,459		451,175
Summer Steelhead	9,036,975	1,249,154	523,769	10,809,898
Winter Steelhead			118,300	118,300
Total	26,124,221	24,729,193	32,716,356	83,569,770

Hatchery releases initiated or completed during the past two weeks accounted for about 17.6 million fish liberated in the Columbia/Snake River basin. For the upcoming two weeks, about 25.1 million fish will be released from hatcheries, either directly into the streams or released volitionally through time. See the Hatchery Release Summary Tables for details.

**Snake River** - About 2.0 million spring/summer Chinook were released last summer/fall and through December in the Clearwater River basin. Yearling spring/summer Chinook from most hatcheries are in-river and migrating downstream to the Snake River on their way to the ocean. In all, about 11.4 million spring/summer Chinook and about 1-million yearling fall chinook have been released in the Snake River basin.

Yearling Coho salmon will be released in the Clearwater River basin with hatchery production releases to be about 825,000 for the 2005 season. The majority of these fish have been released in the Clearwater River basin to date.

The release of about 9 million hatchery Steelhead is currently projected for the Snake River basin. B-Run Steelhead are released in the Clearwater River basin exclusively with most other River basins having A-Run Steelhead. Steelhead releases are completed in the Hells Canyon area with releases ongoing or completed in the Little Salmon River. The Steelhead releases projected for the Clearwater River are on-going this week and should be nearly completed during the next two weeks.

**Mid-Columbia** - The CleElum tribal facility began volitional release of about 825,000 yearling spring Chinook mid-March and will continue the release through early May or until the fish emigrate from the facilities. Spring Chinook were released from Ringold Hatchery pond in March with most State, Tribal and Federal hatcheries releasing their yearling spring Chinook in the upper Mid-Columbia from mid to late April.

About 2.4 million yearling Coho salmon will be released in the Wenatchee River basin, Methow River basin and the Yakima River basin, mostly from Tribal acclimation facilities. The majority of these Coho will be in-river by late April. Steelhead releases are tentatively scheduled for April through mid-May with no Steelhead released in the Mid-Columbia River to date.

**Lower Columbia** - Yearling fall Chinook and Coho salmon were released in late February in the Umatilla River with additional Coho released in March from Reith Bridge, near Pendleton, OR. About 800,000 yearling spring Chinook have been released in the Umatilla River to date. All yearling Chinook and Coho have been planted in the Umatilla River. About 600,000 yearling spring Chinook were released from Klickitat Hatchery in March with Warm Springs NFH completing their volitional release of Chinook in the Deschutes River basin by early April. Volitional release of spring Chinook is ongoing in the Hood River. Another 2+ million yearling spring Chinook will be released from Carson NFH and Little White Salmon River NFH next week.

About 2.5 million yearling Coho salmon from Washougal Hatchery were trucked to and released at several sites in the Klickitat River in March. The majority of Steelhead are projected for release in April to early May into various rivers and tributaries. Juvenile Sockeye were released from net pens into Lake Wenatchee last summer and fall; the majority of these fish reside in the lake and then migrate from the lake and to the ocean the next spring, in this case, April and May, 2005. In the Snake River basin, juvenile sockeye were released in Redfish, Alturas, and Pettit lakes last fall and will also begin their migration in the spring, usually late April and May from the lakes. A release of juvenile sockeye

from the Canada fisheries into the Okanogan River basin above Lake Osoyoos has been completed. Information will be forthcoming on that release group.

**Adult Fish Passage** -At Bonneville Dam, passage of adult spring Chinook exceeded 100 fish per day on April 14 with 122 counted. The 2005 year -to-date count of 358 adult Chinook compares to 13,976 in 2004 and 33,245 for the 10-year average.

Facility inspections indicate that the Bonneville project and upstream dams have been operating their fish passage facilities, including the water supply to the main entrance gates and fish ladders at full criteria since early March.

The COE has begun using fireworks (screamers) to encourage sealions to leave the areas of the fishway entrances and fish ladder. This past Wednesday, about 43 of the pinnipeds were counted near the dam according to COE biologist, Robert Stansell. Other actions, such as temporary barriers at the Main Entrance Gates are being explored for the Bonneville fishways. These temporary barriers would allow salmon species to pass through the barrier while precluding entrance of large pinnipeds to the fishway.

Adult Steelhead continue moving through the hydro system to reach their tributaries and spawning sites. Counts at Lower Granite total 4,169 for the season, presently less than the 2004 and 10-year average to date.

**Daily Average Flow and Spill (in kcfs) at Mid-Columbia Projects**

Date	Grand Coulee		Chief Joseph		Wells		Rocky Reach		Rock Island		Wanapum		Priest Rapids	
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
04/01/05	92.0	0.0	95.6	0.0	97.7	0.0	94.3	0.0	96.3	0.0	101.1	0.0	105.5	0.0
04/02/05	76.1	0.0	79.3	0.0	85.2	0.0	81.5	0.0	84.9	0.0	87.3	0.0	77.5	0.0
04/03/05	75.2	0.0	75.3	0.0	74.7	0.0	75.9	0.0	78.5	0.0	77.0	0.0	75.0	0.0
04/04/05	108.5	0.0	107.1	0.0	106.1	0.0	102.9	0.0	105.5	0.0	107.5	0.0	101.5	0.0
04/05/05	89.3	0.0	93.2	0.0	96.9	0.0	95.2	0.0	98.8	0.0	117.8	0.0	129.7	0.0
04/06/05	56.4	0.0	62.5	0.0	62.1	0.0	60.0	0.0	62.7	0.0	106.7	1.9	101.2	0.0
04/07/05	51.8	0.0	60.1	0.0	63.9	0.0	63.3	0.0	63.2	0.0	70.8	0.0	71.7	0.0
04/08/05	51.8	0.0	60.1	0.0	63.9	0.0	63.3	0.0	63.2	0.0	70.8	0.0	71.7	0.0
04/09/05	76.7	0.0	65.7	0.0	70.8	0.0	69.2	0.0	71.9	0.0	66.8	0.0	69.1	0.0
04/10/05	51.6	0.0	57.2	0.0	62.4	0.0	64.1	0.0	67.7	0.0	75.2	0.0	68.2	0.0
04/11/05	42.1	0.0	40.0	0.0	50.8	0.0	48.1	0.0	50.0	0.0	72.9	0.0	67.7	0.0
04/12/05	93.4	0.0	89.8	0.0	78.1	0.0	69.3	0.0	76.6	0.0	64.9	0.0	69.1	0.0
04/13/05	105.1	0.0	104.3	0.0	111.8	8.8	111.3	0.0	122.5	0.0	77.4	0.0	67.6	0.0
04/14/05	81.5	0.0	87.9	0.0	89.8	7.3	86.8	0.0	89.6	0.0	91.6	0.0	95.3	0.0

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

Date	Dworshak		Hells Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
04/01/05	1.6	0.0	14.9	19.3	38.9	0.0	31.8	0.0	33.2	0.0	32.4	0.0
04/02/05	1.6	0.0	13.5	18.4	38.3	0.0	39.2	0.0	42.7	0.0	44.0	0.0
04/03/05	1.6	0.0	13.3	16.4	36.1	0.0	34.7	0.0	36.2	0.0	35.0	0.0
04/04/05	2.5	0.0	13.1	18.5	33.9	0.0	33.1	0.0	33.3	0.0	32.6	0.2
04/05/05	4.3	0.0	13.6	19.2	41.1	0.0	40.7	0.0	42.4	0.0	44.0	3.2
04/06/05	4.3	0.0	12.2	16.4	42.9	0.0	40.0	0.0	42.9	0.0	41.2	2.9
04/07/05	4.3	0.0	11.3	13.3	37.7	0.0	38.1	0.0	39.6	0.0	40.5	13.0
04/08/05	4.3	0.0	11.3	13.3	37.7	0.0	38.1	0.0	39.6	0.0	40.5	13.0
04/09/05	4.3	0.0	12.4	12.3	36.3	0.0	34.6	0.0	37.3	0.0	39.0	23.2
04/10/05	4.3	0.0	12.3	13.2	42.8	0.0	41.2	0.0	42.3	0.0	42.2	27.0
04/11/05	4.3	0.0	12.9	13.5	40.4	0.0	42.1	0.0	43.0	0.0	45.4	31.6
04/12/05	3.1	0.0	12.0	14.6	47.0	0.0	50.7	0.0	52.6	0.0	55.3	28.4
04/13/05	4.3	0.0	11.0	11.9	37.1	0.0	48.0	0.0	50.5	0.0	51.0	26.3
04/14/05	4.3	0.0	---	---	38.0	0.0	36.9	0.0	44.8	0.0	45.4	24.9

**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		
04/01/05	123.7	9.3	135.6	0.0	146.0	0.0	158.6	1.4	44.4	106.3
04/02/05	134.9	20.9	142.6	0.0	143.4	0.0	155.4	1.3	36.0	111.6
04/03/05	126.9	13.4	115.6	0.0	121.8	0.0	130.6	1.5	15.4	107.2
04/04/05	125.2	11.4	121.6	0.0	124.8	0.0	130.7	1.4	20.5	102.3
04/05/05	153.9	33.6	149.9	0.0	149.5	0.0	151.0	1.4	44.6	98.6
04/06/05	161.8	19.4	167.2	0.0	169.2	0.0	170.6	1.6	51.7	110.8
04/07/05	134.9	0.0	127.4	0.0	133.5	0.0	152.6	1.5	38.4	106.2
04/08/05	134.9	0.0	127.4	0.0	133.5	0.0	152.6	1.5	51.7	110.8
04/09/05	117.6	0.0	117.0	0.0	119.4	0.0	122.1	1.6	38.4	106.2
04/10/05	111.7	0.0	105.1	0.0	109.1	0.0	126.3	1.5	1.7	112.2
04/11/05	111.5	17.8	125.5	21.1	124.9	0.0	119.0	1.5	7.5	110.8
04/12/05	126.6	35.8	125.6	39.6	130.3	28.0	149.6	1.6	0.0	110.9
04/13/05	134.1	34.5	141.7	37.2	140.4	53.8	137.6	1.5	41.8	99.7
04/14/05	127.1	36.0	139.1	39.0	147.9	57.6	146.9	1.6	30.7	98.9

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

Site	Date	Species	Number of Fish	Number w GBT signs	Number w Fin Signs	% Fin GBT	% Severe Fin GBT	Number of Fish with Fin GBT Listed by Highest Rank			
								Rank 1	Rank 2	Rank 3	Rank 4
<b>Bonneville Dam</b>											
	04/12/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
<b>McNary Dam</b>											
	04/10/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	04/14/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0

## HATCHERY RELEASE LAST TWO WEEKS

### Hatchery Release Summary

From: 4/1/2005 to 04/14/05

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Colville Tribe	Leavenworth NFH	CH1	SP	2005	50,000	04-11-05	04-12-05	Omak Creek	Okanogan River
<b>Colville Tribe Total</b>					<b>50,000</b>				
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2005	401,362	03-21-05	04-04-05	Red River Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	CH1	SP	2005	403,917	03-24-05	04-05-05	Powell Acclim Pond	Lochsa River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2005	100,000	04-14-05	04-16-05	Red River Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	27,342	04-12-05	04-12-05	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	42,285	04-08-05	04-08-05	Lemhi River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	85,600	04-08-05	04-08-05	Lemhi River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	87,108	04-04-05	04-04-05	Squaw Cr Acclim Pond	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	125,873	04-12-05	04-12-05	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	214,443	03-17-05	04-04-05	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	220,000	04-11-05	04-15-05	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2005	830,000	04-02-05	04-08-05	Pahsimeroi Hatchery	Pahsimeroi River
Idaho Dept. of Fish and Game	Pahsimeroi Hatchery	CH1	SU	2005	975,252	03-22-05	04-04-05	Pahsimeroi Hatchery	Pahsimeroi River
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2005	2,760,000	03-14-05	04-22-05	Rapid River Hatchery	Little Salmon River
<b>Idaho Dept. of Fish and Game Total</b>					<b>6,273,182</b>				
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	150,000	04-13-05	04-22-05	Red River Acclim Pond	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2005	100,000	04-11-05	04-15-05	American River	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2005	100,000	04-11-05	04-15-05	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Hagerman NFH	ST	SU	2005	40,000	03-28-05	04-11-05	Hazard Creek/Little Salmon R	Little Salmon River
Nez Perce Tribe	Hagerman NFH	ST	SU	2005	160,000	03-28-05	04-11-05	Little Salmon River	Salmon River (ID)
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2005	69,200	03-28-05	04-14-05	Lostine Accim Pond	Wallowa River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2005	140,000	03-25-05	04-15-05	Big Canyon (Clearwater R)	Clearwater River M F
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2005	150,000	03-25-05	04-15-05	Pittsburg Landing Acclim Pond	Snake River
<b>Nez Perce Tribe Total</b>					<b>909,200</b>				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	90,000	04-11-05	04-15-05	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	160,000	04-11-05	04-15-05	Big Sheep Creek	Imnaha River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	160,000	04-11-05	05-03-05	L Sheep Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	402,000	04-11-05	04-13-05	Wallowa Acclim Pond	Wallowa River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2005	437,000	03-26-05	04-15-05	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	CH1	SP	2005	320,000	04-01-05	04-15-05	Bel. Pelton Ladder	Deschutes River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	ST	SU	2005	160,000	04-01-05	04-08-05	Bel. Pelton Ladder	Deschutes River
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>1,729,000</b>				
U.S. Fish and Wildlife Service	Dworshak NFH	CH1	SP	2005	1,070,000	04-04-05	04-06-05	Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2005	300,000	04-11-05	04-15-05	Clear Creek	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2005	300,000	04-11-05	04-15-05	Redhouse (SFk ClearH20 R)	S Fk Clearwater River
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2005	100,000	03-28-05	04-11-05	Little Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2005	750,000	04-13-05	05-03-05	Sawtooth Hatchery	Salmon River (ID)
U.S. Fish and Wildlife Service	Little White Salmon NFH	CH1	SP	2005	750,000	04-14-05	04-14-05	Little White Salmon Hatchery	Little White Salmon Rive
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2005	739,000	03-16-05	04-13-05	Warm Springs Hatchery	Deschutes River
<b>U.S. Fish and Wildlife Service Total</b>					<b>4,009,000</b>				



## HATCHERY RELEASE LAST TWO WEEKS

From: 4/1/2005 to 04/14/05

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Umatilla Tribe	Little White Salmon NFH	CH1	SP	2005	250,000	04-05-05	04-06-05	Walla Walla River	Walla Walla River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	1,000	03-24-05	04-14-05	Grande Ronde Acclim Pond	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	59,036	04-04-05	04-07-05	Catherine Cr Acclim Pond	Grande Ronde River
<b>Umatilla Tribe Total</b>					<b>310,036</b>				
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2005	45,000	03-24-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,500	04-08-05	05-02-05	E Fk Irrig Dist Sand Trap	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,800	04-07-05	05-04-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	29,800	04-01-05	04-29-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	44,500	03-28-05	05-04-05	Jones Creek Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	46,500	03-28-05	05-04-05	Blackberry Acclim Pond	Hood River
<b>Warm Springs Tribe Total</b>					<b>245,100</b>				
Washington Dept. of Fish and Wildli	COOP	CH1	SP	2005	27,668	04-02-05	04-02-05	O'Reilly Pond	Methow River
Washington Dept. of Fish and Wildli	Eastbank Hatchery	ST	SU	2005	124,000	03-21-05	05-20-05	Above Rock Island Dam	Mid-Columbia River
Washington Dept. of Fish and Wildli	Lyons Ferry Hatchery	ST	SU	2005	55,706	03-25-05	04-20-05	Baileysburg Bridge	Touchet River
Washington Dept. of Fish and Wildli	Lyons Ferry Hatchery	ST	SU	2005	60,000	03-25-05	04-20-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildli	Lyons Ferry Hatchery	ST	SU	2005	63,036	04-01-05	04-15-05	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildli	Lyons Ferry Hatchery	ST	SU	2005	86,270	03-25-05	04-20-05	Dayton Acclim Pond	Touchet River
Washington Dept. of Fish and Wildli	Lyons Ferry Hatchery	ST	SU	2005	102,029	03-25-05	04-20-05	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildli	Lyons Ferry Hatchery	ST	SU	2005	104,027	03-25-05	04-20-05	Walla Walla River	Walla Walla River
Washington Dept. of Fish and Wildli	Lyons Ferry Hatchery	ST	SU	2005	150,442	03-25-05	04-08-05	Cottonwood Acclim Pond	Grande Ronde River
Washington Dept. of Fish and Wildli	Methow Hatchery	CH1	SP	2005	50,833	04-13-05	04-13-05	Twisp Acclim Pond	Methow River
Washington Dept. of Fish and Wildli	Methow Hatchery	CH1	SP	2005	69,882	04-14-05	04-14-05	Methow Hatchery	Methow River
Washington Dept. of Fish and Wildli	Methow Hatchery	CH1	SP	2005	75,714	04-13-05	04-13-05	Twisp River	Methow River
Washington Dept. of Fish and Wildli	Methow Hatchery	CH1	SP	2005	130,308	04-14-05	04-30-05	Chewuch Acclim Pond	Methow River
Washington Dept. of Fish and Wildli	Ringold Springs Hatchery	ST	SU	2005	104,000	04-04-05	04-15-05	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildli	Skamania Hatchery	ST	WI	2005	17,500	04-11-05	04-15-05	Salmon Creek (WA)	Columbia River
Washington Dept. of Fish and Wildli	Tucannon Hatchery	CH1	SP	2005	71,000	03-28-05	04-15-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildli	Tucannon Hatchery	CH1	SP	2005	130,000	03-28-05	04-15-05	Curl Lake Acclim Pond	Tucannon River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>1,422,415</b>				
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Lost Creek Acclim Pond	Yakama River
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	268,170	03-09-05	05-16-05	Easton Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	273,870	03-09-05	05-16-05	Clark Flat Acclim Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	284,016	03-09-05	05-16-05	Jack Creek Acclim Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Stiles Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2005	415,000	04-11-05	05-10-05	Prosser Acclim Pond	Yakama River
Yakama Tribe	Yakama Hatchery	CH0	FA	2005	41,000	04-11-05	04-20-05	Marion Drain	Yakama River
Yakama Tribe	Yakama Hatchery	CH0	FA	2005	150,000	04-11-05	05-20-05	Union Gap (Yakama R)	Yakama River
<b>Yakama Tribe Total</b>					<b>2,632,056</b>				
<b>Grand Total</b>					<b>17,579,989</b>				

## HATCHERY RELEASE NEXT TWO WEEKS

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Colville Tribe	Cassimer Bar Hatchery	ST	SU	2005	13,151	04-19-05	04-19-05	Omak Creek	Okanogan River
Colville Tribe	Leavenworth NFH	CH1	SP	2005	100,000	04-18-05	04-18-05	Bonaparte Acclimation Pond	Okanogan River
<b>Colville Tribe Total</b>					<b>113,151</b>				
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2005	100,000	04-14-05	04-16-05	Red River Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2005	150,000	04-19-05	04-21-05	Crooked R Acclim Pond	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2005	260,000	04-19-05	04-21-05	Redhouse (SFk ClearH20 R)	S Fk Clearwater River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	13,500	04-20-05	04-22-05	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	30,000	04-27-05	04-30-05	Valley Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	180,000	04-18-05	04-22-05	McNabb/Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	190,000	04-25-05	04-29-05	Yankee Fk (Salmon R)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	200,000	04-20-05	04-22-05	Squaw Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	220,000	04-11-05	04-15-05	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	225,000	04-18-05	04-22-05	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2005	2,760,000	03-14-05	04-22-05	Rapid River Hatchery	Little Salmon River
<b>Idaho Dept. of Fish and Game Total</b>					<b>4,328,500</b>				
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	25,000	04-21-05	04-25-05	Meadow Creek - CLES	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	25,000	04-24-05	04-26-05	Mill Cr Bridge	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	50,000	04-26-05	04-28-05	Lolo Creek	Clearwater River M F
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	83,000	04-19-05	04-21-05	Crooked R Acclim Pond	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	150,000	04-13-05	04-22-05	Red River Acclim Pond	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	CO	UN	2005	235,000	04-20-05	05-06-05	Clear Creek	Clearwater River M F
Nez Perce Tribe	Dworshak NFH	ST	SU	2005	100,000	04-11-05	04-15-05	American River	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2005	100,000	04-11-05	04-15-05	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2005	140,000	03-25-05	04-15-05	Big Canyon (Clearwater R)	Clearwater River M F
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2005	150,000	03-25-05	04-15-05	Pittsburg Landing Acclim Pond	Snake River
<b>Nez Perce Tribe Total</b>					<b>1,058,000</b>				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	90,000	04-11-05	04-15-05	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	160,000	04-11-05	04-15-05	Big Sheep Creek	Imnaha River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	160,000	04-11-05	05-03-05	L Sheep Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2005	437,000	03-26-05	04-15-05	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	CH1	SP	2005	320,000	04-01-05	04-15-05	Bel. Pelton Ladder	Deschutes River
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>1,167,000</b>				
U.S. Fish and Wildlife Service	Carson NFH	CH1	SP	2005	1,420,000	04-15-05	04-15-05	Carson Hatchery	Wind River
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2005	300,000	04-11-05	04-15-05	Clear Creek	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2005	300,000	04-11-05	04-15-05	Redhouse (SFk ClearH20 R)	S Fk Clearwater River
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2005	1,170,000	04-18-05	04-22-05	Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Entiat Hatchery	CH1	SP	2005	400,000	04-15-05	04-15-05	Entiat Hatchery	Entiat River
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2005	750,000	04-13-05	05-03-05	Sawtooth Hatchery	Salmon River (ID)
U.S. Fish and Wildlife Service	Leavenworth NFH	CH1	SP	2005	1,450,000	04-15-05	04-15-05	Leavenworth Hatchery	Wenatchee River
U.S. Fish and Wildlife Service	Spring Creek NFH	CH0	FA	2005	4,200,000	04-15-05	04-15-05	Spring Creek Hatchery	L Col R (D/s McN Dam)
U.S. Fish and Wildlife Service	Winthrop NFH	CH1	SP	2005	167,000	04-15-05	04-15-05	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	CH1	SP	2005	394,000	04-15-05	04-15-05	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	ST	SU	2005	110,000	04-15-05	04-30-05	Winthrop Hatchery	Methow River
<b>U.S. Fish and Wildlife Service Total</b>					<b>10,661,000</b>				
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	50,000	04-20-05	04-30-05	Minthorn Acclimation Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	50,000	04-20-05	04-30-05	Pendelton Acclim Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	55,000	04-20-05	04-30-05	Meacham Creek	Umatilla River
<b>Umatilla Tribe Total</b>					<b>155,000</b>				

## HATCHERY RELEASE NEXT TWO WEEKS

From: 4/15/2005 to 4/28/2005

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2005	45,000	03-24-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,500	04-08-05	05-02-05	E Fk Irrig Dist Sand Trap	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,800	04-07-05	05-04-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	29,800	04-01-05	04-29-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	44,500	03-28-05	05-04-05	Jones Creek Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	46,500	03-28-05	05-04-05	Blackberry Acclim Pond	Hood River
<b>Warm Springs Tribe Total</b>					<b>245,100</b>				
Washington Dept. of Fish and Wildlife	COOP	ST	SU	2005	20,000	04-23-05	05-07-05	O'Reilly Pond	Methow River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SP	2005	1,500	04-22-05	04-22-05	White River	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SP	2005	10,000	04-19-05	05-07-05	Nason Creek	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SP	2005	222,000	04-18-05	05-18-05	Chiwawa Hatchery	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2005	354,000	04-18-05	05-18-05	Carlton Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2005	578,000	04-17-05	04-30-05	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2005	690,000	04-27-05	04-27-05	Dryden Acclim Pond	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	ST	SU	2005	124,000	03-21-05	05-20-05	Above Rock Island Dam	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	55,706	03-25-05	04-20-05	Baileysburg Bridge	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	60,000	03-25-05	04-20-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	63,036	04-01-05	04-15-05	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	86,270	03-25-05	04-20-05	Dayton Acclim Pond	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	102,029	03-25-05	04-20-05	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2005	104,027	03-25-05	04-20-05	Walla Walla River	Walla Walla River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2005	130,308	04-14-05	04-30-05	Chewuch Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	ST	SU	2005	104,000	04-04-05	04-15-05	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	SU	2005	110,000	04-25-05	05-06-05	Klickitat River	Klickitat River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	WI	2005	17,500	04-11-05	04-15-05	Salmon Creek (WA)	Columbia River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2005	71,000	03-28-05	04-15-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2005	130,000	03-28-05	04-15-05	Curl Lake Acclim Pond	Tucannon River
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH1	SU	2005	313,500	04-19-05	04-30-05	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	90,000	04-21-05	05-06-05	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	90,000	04-21-05	05-06-05	Methow River	Methow River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>3,526,876</b>				
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Lost Creek Acclim Pond	Yakama River
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	268,170	03-09-05	05-16-05	Easton Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	273,870	03-09-05	05-16-05	Clark Flat Acclim Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	284,016	03-09-05	05-16-05	Jack Creek Acclim Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Stiles Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe	Leavenworth NFH	CO	UN	2005	68,025	04-28-05	05-15-05	Butcher Creek Acclim. Pond	Wenatchee River
Yakama Tribe	Leavenworth NFH	CO	UN	2005	117,893	04-28-05	05-15-05	Wenatchee River	Wenatchee River
Yakama Tribe	Leavenworth NFH	CO	UN	2005	340,200	04-15-05	04-15-05	Leavenworth Hatchery	Wenatchee River
Yakama Tribe	Leavenworth NFH	CO	UN	2005	369,060	04-23-05	05-15-05	Icicle Creek	Wenatchee River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2005	415,000	04-11-05	05-10-05	Prosser Acclim Pond	Yakama River
Yakama Tribe	Winthrop NFH	CO	UN	2005	283,000	04-20-05	04-30-05	Winthrop Hatchery	Methow River
Yakama Tribe	Yakama Hatchery	CH0	FA	2005	41,000	04-11-05	04-20-05	Marion Drain	Yakama River
Yakama Tribe	Yakama Hatchery	CH0	FA	2005	150,000	04-11-05	05-20-05	Union Gap (Yakama R)	Yakama River
<b>Yakama Tribe Total</b>					<b>3,810,234</b>				
<b>Grand Total</b>					<b>25,064,861</b>				

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

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

Date	<u>Hungry H. Dnst</u>			<u>Boundary</u>			<u>Grand Coulee</u>			<u>Grand C. Tlwr</u>			<u>Chief Joseph</u>				#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#		<u>24 h</u>	<u>12 h</u>	High	#
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg				Avg	Avg		
4/1	---	---	---	0	104	104	105	24	105	105	105	24	104	105	105	24	---	---	---	0	
4/2	---	---	---	0	104	105	105	24	105	106	106	24	104	105	106	24	---	---	---	0	
4/3	---	---	---	0	104	104	105	23	106	106	107	23	106	106	107	23	---	---	---	0	
4/4	---	---	---	0	104	105	105	24	105	106	106	24	105	106	108	24	---	---	---	0	
4/5	---	---	---	0	103	103	104	24	104	104	105	24	103	104	105	24	103	103	103	24	
4/6	---	---	---	0	103	104	105	24	105	106	107	24	104	104	105	24	104	105	105	24	
4/7	---	---	---	0	105	105	106	24	107	108	108	24	106	106	107	24	106	106	107	23	
4/8	---	---	---	0	105	106	107	24	107	107	108	24	107	107	108	23	105	106	106	24	
4/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	
4/10	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	
4/11	---	---	---	0	105	105	106	24	106	106	107	24	105	106	106	24	106	106	106	24	
4/12	---	---	---	0	105	106	107	24	106	106	107	24	105	105	107	24	105	106	106	24	
4/13	---	---	---	0	106	107	108	24	106	106	107	24	105	106	106	24	106	106	106	23	
4/14	---	---	---	0	105	106	107	24	105	106	106	24	105	105	106	24	104	105	105	24	

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

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. Tlwr</u>				#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#		<u>24 h</u>	<u>12 h</u>	High	#
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg				Avg	Avg		
4/1	---	---	---	0	105	105	105	24	105	105	105	24	104	104	104	24	104	104	104	24	
4/2	---	---	---	0	104	105	105	24	104	105	105	24	105	105	106	24	105	106	106	24	
4/3	---	---	---	0	105	106	106	22	105	105	106	22	107	107	107	21	107	107	107	21	
4/4	---	---	---	0	104	105	105	24	105	105	106	24	105	106	107	24	105	106	106	24	
4/5	104	105	106	24	103	103	103	24	103	103	103	24	103	103	103	24	103	103	103	24	
4/6	106	107	108	24	104	105	105	23	104	105	105	23	104	105	106	24	105	106	106	24	
4/7	107	108	108	24	106	106	107	24	106	107	107	24	107	107	107	24	107	107	108	24	
4/8	106	107	108	24	106	107	107	24	106	107	107	24	107	107	107	24	107	107	108	24	
4/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	
4/10	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	
4/11	107	107	108	24	105	105	106	24	105	106	106	24	106	106	106	24	106	106	107	24	
4/12	106	107	107	24	106	106	107	24	107	108	108	24	106	107	107	24	106	107	107	24	
4/13	107	108	108	23	105	105	106	24	107	107	108	24	105	106	106	24	105	106	106	24	
4/14	105	106	107	24	105	105	106	24	106	107	107	24	106	106	107	24	106	107	107	24	

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

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</u>				#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#		<u>24 h</u>	<u>12 h</u>	High	#
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg				Avg	Avg		
4/1	104	104	104	24	105	105	105	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/2	104	105	106	24	105	106	107	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/3	106	106	107	21	107	107	108	21	---	---	---	0	---	---	---	0	---	---	---	0	
4/4	105	105	106	24	106	106	107	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/5	103	104	104	24	105	105	106	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/6	104	105	106	24	106	106	107	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/7	106	107	107	24	108	108	108	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/8	106	106	107	24	107	107	108	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	
4/10	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	
4/11	106	106	106	24	107	107	107	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/12	106	106	107	24	107	107	108	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/13	105	105	106	24	106	106	107	24	---	---	---	0	---	---	---	0	---	---	---	0	
4/14	105	105	106	24	106	106	107	24	---	---	---	0	---	---	---	0	---	---	---	0	

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

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

Date	<u>Priest R. Dnst</u>			#	<u>Pasco</u>			#	<u>Dworshak</u>			#	<u>Clrwtr-Peck</u>			#	<u>Anatone</u>			#			
	<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>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>	
4/1	---	---	---	0	103	103	103	24	103	103	103	24	97	97	98	24	102	102	102	24			
4/2	---	---	---	0	103	104	105	24	103	104	105	24	108	111	111	22	102	102	103	23			
4/3	---	---	---	0	104	105	106	22	104	105	105	23	111	111	112	23	102	102	104	23			
4/4	---	---	---	0	103	103	104	24	103	106	108	24	112	113	115	24	101	101	102	24			
4/5	---	---	---	0	102	103	104	24	96	96	97	24	114	114	114	24	101	102	103	24			
4/6	---	---	---	0	104	105	106	24	97	99	99	24	106	110	114	24	102	103	104	24			
4/7	---	---	---	0	105	105	106	24	99	100	100	24	101	101	102	24	102	103	104	24			
4/8	---	---	---	0	104	105	106	24	99	99	100	24	100	101	102	24	102	103	104	24			
4/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0			
4/10	---	---	---	0	103	104	105	24	97	97	98	24	100	101	102	24	102	103	104	24			
4/11	---	---	---	0	104	104	105	24	98	98	99	24	100	101	102	24	102	102	104	20			
4/12	---	---	---	0	104	104	105	24	97	97	98	24	99	100	100	24	101	102	103	24			
4/13	---	---	---	0	103	104	104	24	96	97	97	24	99	99	100	24	101	101	102	24			
4/14	---	---	---	0	103	104	107	24	96	96	96	23	99	100	100	24	101	102	103	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>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>	
4/1	100	101	101	24	100	100	101	24	100	101	101	24	102	103	103	24	101	101	102	24			
4/2	101	103	104	24	100	102	103	24	99	100	100	24	102	103	103	24	101	102	102	24			
4/3	101	102	104	23	102	102	103	22	101	101	101	22	102	103	103	22	103	103	103	22			
4/4	101	102	103	24	100	101	102	24	100	100	101	24	103	103	104	24	101	102	102	24			
4/5	100	101	103	24	100	101	102	24	100	100	101	24	101	101	101	24	101	101	102	24			
4/6	102	104	106	24	102	103	104	24	102	102	103	24	102	103	103	24	102	103	103	24			
4/7	101	102	103	24	103	104	104	24	103	103	104	24	103	104	104	24	103	103	104	24			
4/8	101	103	104	24	102	102	106	24	102	102	102	24	102	102	103	24	102	102	102	24			
4/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0			
4/10	101	103	104	24	102	103	104	24	101	101	102	24	101	101	102	24	100	101	101	24			
4/11	101	102	103	24	103	103	105	24	102	102	103	24	102	102	102	24	101	101	102	24			
4/12	100	101	103	24	101	102	102	24	101	102	102	24	102	102	102	24	102	102	102	24			
4/13	100	101	102	24	100	100	101	24	100	101	102	24	102	102	102	24	101	101	101	24			
4/14	100	101	102	24	99	100	100	24	99	100	100	24	101	101	101	24	100	100	101	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>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>	
4/1	102	102	102	24	102	102	103	24	104	104	104	24	103	104	104	24	102	103	104	24			
4/2	102	102	103	24	102	102	103	24	104	104	105	24	104	104	105	24	104	106	108	24			
4/3	102	102	103	22	104	104	109	22	105	106	106	22	105	106	106	22	106	107	109	22			
4/4	102	102	103	24	102	103	103	24	104	105	105	24	104	104	105	24	104	105	106	24			
4/5	101	101	102	24	102	102	103	24	103	103	104	24	105	107	109	24	105	106	109	24			
4/6	103	103	104	24	103	104	105	24	104	105	106	24	106	107	109	24	105	106	107	24			
4/7	104	104	104	24	104	105	106	24	105	106	106	24	108	111	114	24	106	106	106	24			
4/8	103	103	103	24	103	104	105	24	105	105	106	24	113	114	115	24	107	109	111	24			
4/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0			
4/10	103	103	103	24	103	103	105	24	104	104	105	24	112	114	115	24	107	108	110	24			
4/11	103	103	104	24	103	103	104	24	105	105	106	24	111	115	117	24	106	106	107	24			
4/12	102	102	103	24	102	102	103	24	105	105	106	24	112	115	117	24	106	107	109	24			
4/13	101	101	102	24	101	102	105	24	104	105	105	24	112	115	116	24	108	110	112	24			
4/14	100	101	101	24	101	101	102	24	103	104	104	24	111	114	115	24	106	107	109	24			

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

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

Date	<u>McNary-Wash</u>				<u>McNary Tlwr</u>				<u>John Day</u>				<u>John Day Tlwr</u>				<u>The Dalles</u>			
	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24h</u>		<u>12h</u>		#	<u>24h</u>		<u>12h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
4/1	103	103	103	24	104	105	109	24	104	104	104	24	103	103	104	24	104	104	104	24
4/2	103	104	106	24	107	110	110	24	104	104	105	22	104	104	104	24	104	105	105	22
4/3	106	106	107	22	108	109	111	22	106	106	107	22	105	105	106	22	105	106	106	22
4/4	104	105	105	24	106	107	112	24	103	104	104	23	103	103	104	24	103	104	104	23
4/5	103	104	105	24	109	112	114	24	103	103	104	23	103	103	103	24	103	103	104	23
4/6	105	106	106	24	109	111	111	24	105	106	107	23	105	106	106	24	104	105	105	23
4/7	105	106	106	24	105	106	106	24	106	106	107	23	106	106	106	24	105	106	106	23
4/8	105	105	106	24	105	106	106	24	106	106	107	23	106	106	106	24	105	105	106	23
4/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/10	105	105	106	24	106	108	113	24	104	104	105	23	107	111	119	24	103	104	105	23
4/11	106	106	107	24	109	113	115	24	105	105	106	23	112	118	119	24	105	105	107	23
4/12	107	107	107	24	110	114	115	24	105	105	105	23	111	116	119	24	110	111	112	23
4/13	107	107	107	24	111	114	115	24	105	105	105	23	111	117	118	24	108	109	110	23
4/14	106	106	107	24	110	115	115	24	104	104	104	23	110	116	118	24	108	110	111	23

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

Date	<u>The Dalles Dnst</u>				<u>Bonneville</u>				<u>Warrendale</u>				<u>Camas\Washugal</u>			
	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24h</u>		<u>12h</u>		#	
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg
4/1	104	104	104	23	103	104	104	24	104	105	105	24	104	105	106	23
4/2	104	105	105	23	104	104	105	22	105	105	106	22	105	107	108	23
4/3	106	106	106	23	105	105	106	22	106	106	106	22	105	106	106	19
4/4	104	104	105	24	104	104	105	23	105	105	106	23	105	105	106	24
4/5	103	104	104	24	103	104	104	23	104	105	105	23	104	105	105	24
4/6	105	105	106	24	105	105	106	23	106	106	107	23	105	107	107	24
4/7	106	106	111	24	106	106	106	13	106	106	107	23	106	106	107	24
4/8	105	106	106	24	105	105	105	14	106	106	107	23	105	106	107	24
4/9	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
4/10	104	105	105	24	104	104	105	23	105	105	106	23	105	106	107	20
4/11	107	110	111	24	104	105	105	23	105	105	106	23	105	106	107	24
4/12	113	114	116	24	105	105	105	23	106	106	106	23	105	105	106	24
4/13	112	113	114	24	105	105	106	23	105	105	106	23	105	106	107	24
4/14	112	113	114	24	108	109	110	23	108	109	110	23	105	107	108	24

## 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)
04/01/2005 *	748	---	504	4	450	---	---	---	---	---	1,285
04/02/2005 *	---	---	237	---	633	19	320	0	---	2,780	1,561
04/03/2005 *	---	1,220	269	---	800	25	2,210	0	1,314	4,650	1,438
04/04/2005 *	364	1,985	91	3	880	72	3,360	4	---	2,680	1,461
04/05/2005	331	1,862	127	1	1,040	48	1,180	0	1,058	4,840	2,500
04/06/2005 *	326	1,197	83	2	4,740	73	1,540	1	---	11,371	2,546
04/07/2005 *	182	863	---	5	3,650	123	4,110	0	1,104	3,800	3,234
04/08/2005 *	476	540	51	1	5,275	72	3,840	2	---	3,312	2,701
04/09/2005	---	699	106	---	8,250	85	3,120	1	0	3,272	3,401
04/10/2005 *	---	596	121	---	7,100	171	3,600	0	---	4,114	2,323
04/11/2005	1,970	315	73	2	10,500	178	3,780	0	1,208	4,589	2,251
04/12/2005 *	1,076	210	35	12	19,025	234	4,820	1	---	2,526	3,477
04/13/2005 *	468	438	38	3	27,650	320	4,990	0	2,507	2,788	4,359
04/14/2005 *	362	568	138	6	19,400	242	4,260	5	---	3,869	5,258
04/15/2005	---	---	---	---	---	485	---	---	---	5,609	---
<hr/>											
<b>Total:</b>	<b>6,303</b>	<b>10,493</b>	<b>1,873</b>	<b>39</b>	<b>109,393</b>	<b>2,147</b>	<b>41,130</b>	<b>14</b>	<b>7,191</b>	<b>60,200</b>	<b>37,795</b>
<b># Days:</b>	<b>10</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>6</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>630</b>	<b>874</b>	<b>144</b>	<b>4</b>	<b>7,814</b>	<b>153</b>	<b>3,164</b>	<b>1</b>	<b>1,199</b>	<b>4,300</b>	<b>2,700</b>
<b>YTD</b>	<b>21,445</b>	<b>38,322</b>	<b>3,538</b>	<b>58</b>	<b>110,653</b>	<b>2,147</b>	<b>41,130</b>	<b>14</b>	<b>7,191</b>	<b>60,200</b>	<b>50,464</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)
04/01/2005 *	0	---	0	7	0	---	---	---	---	---	18,646
04/02/2005 *	---	---	1	---	0	0	0	9	---	0	6,092
04/03/2005 *	---	0	0	---	60	1	0	0	23	0	2,718
04/04/2005 *	0	0	1	14	20	1	0	1	---	10	1,727
04/05/2005	0	2	0	7	0	0	0	4	18	0	1,875
04/06/2005 *	0	0	0	0	400	2	0	3	---	0	1,537
04/07/2005 *	0	0	---	3	275	0	0	13	100	0	1,765
04/08/2005 *	0	0	4	0	150	0	0	37	---	0	1,227
04/09/2005	---	0	1	---	0	0	0	29	0	14	445
04/10/2005 *	---	0	1	---	100	0	0	239	---	0	625
04/11/2005	0	0	0	0	100	0	0	0	43	0	429
04/12/2005 *	0	0	1	4	125	0	0	177	---	0	862
04/13/2005 *	0	0	1	1	225	0	0	219	55	0	1,198
04/14/2005 *	0	0	1	0	300	0	50	158	---	0	566
04/15/2005	---	---	---	---	---	0	---	---	---	0	---
<hr/>											
<b>Total:</b>	<b>0</b>	<b>2</b>	<b>11</b>	<b>36</b>	<b>1,755</b>	<b>4</b>	<b>50</b>	<b>889</b>	<b>239</b>	<b>24</b>	<b>39,712</b>
<b># Days:</b>	<b>10</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>6</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>125</b>	<b>0</b>	<b>4</b>	<b>68</b>	<b>40</b>	<b>2</b>	<b>2,837</b>
<b>YTD</b>	<b>0</b>	<b>11</b>	<b>22</b>	<b>105</b>	<b>1,755</b>	<b>4</b>	<b>50</b>	<b>889</b>	<b>239</b>	<b>24</b>	<b>917,422</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)	
04/01/2005	*	0	---	0	0	0	---	---	---	---	958	
04/02/2005	*	---	---	0	---	29	0	0	0	---	794	
04/03/2005	*	---	0	0	---	60	0	0	0	70	706	
04/04/2005	*	0	0	0	1	240	1	0	2	---	664	
04/05/2005		0	0	0	0	120	0	0	3	18	938	
04/06/2005	*	0	0	0	0	520	0	0	0	---	1,189	
04/07/2005	*	0	0	---	0	225	6	0	0	21	1,347	
04/08/2005	*	0	0	0	0	200	0	0	0	---	1,055	
04/09/2005		---	0	0	---	200	0	0	0	0	1,748	
04/10/2005	*	---	0	0	---	150	6	0	0	---	2,016	
04/11/2005		0	0	0	0	240	6	0	0	50	1,466	
04/12/2005	*	0	0	0	1	75	4	0	0	---	2,671	
04/13/2005	*	0	0	0	0	875	18	0	4	90	3,594	
04/14/2005	*	0	0	0	0	350	24	0	0	---	5,084	
04/15/2005		---	---	---	---	---	16	---	---	---	---	
<b>Total:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3,284</b>	<b>81</b>	<b>0</b>	<b>9</b>	<b>179</b>	<b>320</b>	<b>24,230</b>
<b># Days:</b>		<b>10</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>6</b>	<b>14</b>	<b>14</b>
<b>Average:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>235</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>30</b>	<b>23</b>	<b>1,731</b>
<b>YTD</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>3,284</b>	<b>81</b>	<b>0</b>	<b>9</b>	<b>179</b>	<b>320</b>	<b>27,260</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)	
04/01/2005	*	0	---	155	72	550	---	---	---	---	213	
04/02/2005	*	---	---	42	---	7,703	16	40	0	---	138	
04/03/2005	*	---	2	34	---	5,000	34	210	0	504	157	
04/04/2005	*	21	11	7	41	6,200	83	100	4	---	199	
04/05/2005		28	11	11	37	11,020	54	100	0	378	89	
04/06/2005	*	26	19	0	50	13,200	105	200	1	---	238	
04/07/2005	*	24	12	---	16	7,075	210	1,590	0	427	367	
04/08/2005	*	50	17	1	10	8,675	366	3,080	0	---	263	
04/09/2005		---	21	2	---	4,750	444	2,860	0	0	297	
04/10/2005	*	---	33	1	---	11,650	746	4,980	2	---	460	
04/11/2005		20	19	4	5	8,440	880	8,200	0	2,444	398	
04/12/2005	*	21	43	0	61	11,800	780	9,300	0	---	664	
04/13/2005	*	34	1,568	3	13	8,450	540	4,880	0	2,107	1,184	
04/14/2005	*	30	3,797	1	22	6,800	550	1,950	0	---	1,714	
04/15/2005		---	---	---	---	---	396	---	---	---	---	
<b>Total:</b>		<b>254</b>	<b>5,553</b>	<b>261</b>	<b>327</b>	<b>111,313</b>	<b>5,204</b>	<b>37,490</b>	<b>7</b>	<b>5,860</b>	<b>4,069</b>	<b>6,381</b>
<b># Days:</b>		<b>10</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>6</b>	<b>14</b>	<b>14</b>
<b>Average:</b>		<b>25</b>	<b>463</b>	<b>20</b>	<b>33</b>	<b>7,951</b>	<b>372</b>	<b>2,884</b>	<b>1</b>	<b>977</b>	<b>291</b>	<b>456</b>
<b>YTD</b>		<b>293</b>	<b>5,807</b>	<b>417</b>	<b>482</b>	<b>113,013</b>	<b>5,204</b>	<b>37,490</b>	<b>7</b>	<b>5,860</b>	<b>4,069</b>	<b>7,353</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)
04/01/2005 *	0	---	0	0	0	---	---	---	---	---	0
04/02/2005 *	---	---	0	---	147	2	0	0	---	0	0
04/03/2005 *	---	0	0	---	40	4	20	0	12	0	0
04/04/2005 *	0	0	0	0	40	7	20	0	---	0	0
04/05/2005	0	0	0	0	20	7	0	0	6	0	0
04/06/2005 *	0	0	0	0	100	7	20	0	---	0	0
04/07/2005 *	0	0	---	0	100	14	0	0	0	20	0
04/08/2005 *	0	0	0	0	150	40	0	0	---	0	0
04/09/2005	---	0	0	---	25	8	0	0	0	0	0
04/10/2005 *	---	0	0	---	25	16	0	0	---	14	11
04/11/2005	0	0	0	0	40	12	20	0	0	0	0
04/12/2005 *	0	0	0	0	100	16	20	0	---	0	14
04/13/2005 *	0	0	0	0	75	80	0	1	0	0	0
04/14/2005 *	0	0	0	0	150	9	20	0	---	0	0
04/15/2005	---	---	---	---	---	2	---	---	---	0	---
-----											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,012</b>	<b>224</b>	<b>120</b>	<b>1</b>	<b>18</b>	<b>34</b>	<b>25</b>
<b># Days:</b>	<b>10</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>6</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>72</b>	<b>16</b>	<b>9</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>2</b>
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1,192</b>	<b>224</b>	<b>120</b>	<b>1</b>	<b>18</b>	<b>34</b>	<b>43</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)}

BO1 (Index) = Bonneville Dam First Powerhouse Bypass Collection System : Passage Index Counts

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

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

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

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

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

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

### Two Week Transportation Summary

Source: Fish Passage Center

Updated:

4/15/05 9:15 AM

		04/02/05	TO	04/15/05			
		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	1,755	109,393	3,284	1,012	111,313	226,757
	Sum of NumberBarged	1,267	100,019	2,309	645	66,950	171,190
	Sum of NumberBypassed	71	1,320	92	18	3,007	4,508
	Sum of Numbertrucked	404	7,641	871	312	41,317	50,545
	Sum of SampleMorts	6	27	0	5	1	39
	Sum of FacilityMorts	7	386	12	32	38	475
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	13	413	12	37	39	514
<b>LGS</b>	Sum of NumberCollected	4	1,662	65	222	4,808	6,761
	Sum of NumberBarged	0	1,417	63	194	4,510	6,184
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of Numbertrucked	4	223	0	27	291	545
	Sum of SampleMorts	0	7	2	0	2	11
	Sum of FacilityMorts	0	15	0	2	11	28
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	0	22	2	2	13	39
<b>LMN</b>	Sum of NumberCollected	50	41,130		120	37,490	78,790
	Sum of NumberBarged	50	28,382		59	35,225	63,716
	Sum of NumberBypassed	0	0		0	0	0
	Sum of Numbertrucked	0	12,712		60	2,235	15,007
	Sum of SampleMorts	0	5		0	9	14
	Sum of FacilityMorts	0	31		1	21	53
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	0	36		1	30	67
<b>MCN</b>	Sum of NumberCollected	255	7,428	170	30	5,504	13,387
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	254	7,411	170	30	5,501	13,366
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	1	10	0	0	0	11
	Sum of FacilityMorts	0	7	0	0	3	10
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1	17	0	0	3	21
Total Sum of NumberCollected		2,064	159,613	3,519	1,384	159,115	325,695
Total Sum of NumberBarged		1,317	129,818	2,372	898	106,685	241,090
Total Sum of NumberBypassed		325	8,731	262	48	8,508	17,874
Total Sum of Numbertrucked		408	20,576	871	399	43,843	66,097
Total Sum of SampleMorts		7	49	2	5	12	75
Total Sum of FacilityMorts		7	439	12	35	73	566
Total Sum of ResearchMorts		0	0	0	0	0	0
Total Sum of TotalProjectMorts		14	488	14	40	85	641

### YTD Transportation Summary

Source: Fish Passage Center

Updated:

4/15/05 9:15 AM

TO: 04/15/05

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	1,755	110,653	3,284	1,192	113,013	229,897
	Sum of NumberBarged	1,267	100,019	2,309	645	66,950	171,190
	Sum of NumberBypassed	71	1,321	92	18	3,007	4,509
	Sum of NumberTrucked	404	8,883	871	487	43,015	53,660
	Sum of SampleMorts	6	28	0	7	1	42
	Sum of FacilityMorts	7	402	12	35	40	496
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	13	430	12	42	41	538
<b>LGS</b>	Sum of NumberCollected	4	1,662	65	222	4,808	6,761
	Sum of NumberBarged	0	1,417	63	194	4,510	6,184
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of NumberTrucked	4	223	0	27	291	545
	Sum of SampleMorts	0	7	2	0	2	11
	Sum of FacilityMorts	0	15	0	2	11	28
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	0	22	2	2	13	39
<b>LMN</b>	Sum of NumberCollected	50	41,130		120	37,490	78,790
	Sum of NumberBarged	50	28,382		59	35,225	63,716
	Sum of NumberBypassed	0	0		0	0	0
	Sum of NumberTrucked	0	12,712		60	2,235	15,007
	Sum of SampleMorts	0	5		0	9	14
	Sum of FacilityMorts	0	31		1	21	53
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	0	36		1	30	67
<b>MCN</b>	Sum of NumberCollected	255	7,428	170	30	5,504	13,387
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	254	7,411	170	30	5,501	13,366
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	1	10	0	0	0	11
	Sum of FacilityMorts	0	7	0	0	3	10
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1	17	0	0	3	21
Total Sum of NumberCollected		2,064	160,873	3,519	1,564	160,815	328,835
Total Sum of NumberBarged		1,317	129,818	2,372	898	106,685	241,090
Total Sum of NumberBypassed		325	8,732	262	48	8,508	17,875
Total Sum of NumberTrucked		408	21,818	871	574	45,541	69,212
Total Sum of SampleMorts		7	50	2	7	12	78
Total Sum of FacilityMorts		7	455	12	38	75	587
Total Sum of ResearchMorts		0	0	0	0	0	0
Total Sum of TotalProjectMorts		14	505	14	45	87	665

**Cumulative Adult Passage at Mainstem Dams Through: 04/14**

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.		2005		2004		10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	358	0	13,976	5	33,245	94	0	0	0	0	0	0	0	0	0	0	0	0
TDA	156	0	5,095	4	14,635	26	0	0	0	0	0	0	0	0	0	0	0	0
JDA	68	-5	2,753	2	8,788	7	0	0	0	0	0	0	0	0	0	0	0	0
MCN	33	0	1,378	3	4,888	6	0	0	0	0	0	0	0	0	0	0	0	0
IHR	31	0	596	5	2,431	0	0	0	0	0	0	0	0	0	0	0	0	0
LMN	3	0	287	0	1,335	0	0	0	0	0	0	0	0	0	0	0	0	0
LGS	3	0	220	0	750	3	0	0	0	0	0	0	0	0	0	0	0	0
LWG	1	0	99	0	387	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RRH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	517	1	7,913	3	n/a	n/a	---	---	---	---	---	---	0	0	0	0	n/a	n/a

DAM	Coho						Sockeye			Steelhead			
	2005		2004		10-Yr Avg.		10-Yr Avg.		10-Yr Avg.			Wild	
	Adult	Jack	Adult	Jack	Adult	Jack	2005	2004	2005	2004	Avg.	2005	
BON	0	0	0	0	0	0	0	0	0	361	2,098	1,648	90
TDA	0	0	0	0	0	0	0	0	0	305	673	541	158
JDA	1	0	0	0	0	0	0	0	0	482	1,014	1,771	264
MCN	0	0	0	0	0	0	0	0	0	499	811	952	194
IHR	0	0	0	0	0	0	0	0	0	670	1,372	1,115	338
LMN	0	0	0	0	0	0	0	0	0	460	1,148	1,190	184
LGS	0	0	0	0	0	0	0	0	0	563	1,446	1,268	228
LWG	0	0	0	0	0	0	0	0	0	4,169	6,908	5,477	1,206
PRD	0	0	0	0	0	0	0	0	0	0	0	0	n/a
RIS	0	0	0	0	0	0	0	0	0	0	3	0	0
RRH	0	0	0	0	0	0	0	0	0	0	12	1	0
WEL	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	0	0	0	0	n/a	n/a	0	0	n/a	5,038	12,534	n/a	n/a

WFA is through 04/12.

\*PRD is not posting wild steelhead numbers.

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

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

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

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

Page last updated on: 04/15/05

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

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

