



Fish Passage Center

Weekly Report #05 - 7

April 22, 2005

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Highlights:

- Since April 3rd, 2005, flows at Lower Granite have averaged 39.9 Kcfs. The flow target is 85 Kcfs.
- Flows at McNary Dam have averaged 127.4 Kcfs since April 10th and flows at Priest Rapids have averaged 79.4 Kcfs. The flow targets at McNary and Priest Rapids are 220 and 135 kcf, respectively.
- The majority of Salmon Managers submitted SOR 2005-6 on April 19th, 2005 which asked the operators to combine transducer installation at Ice Harbor Dam with the proposed spill outage at Ice Harbor Dam scheduled for Wednesday, April 20, 2005 and compensate for any spill not provided at Ice Harbor during this outage by providing that volume at McNary Dam as spill during daytime hours.

Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has been near or above average in April. Of the sites in Table 1, ten recorded precipitation that was greater than average over 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 1-18		Water Year 2005 October 1, 2004 to April 18, 2005	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	1.21	122	12.86	84
Snake River Above Ice Harbor	0.90	103	8.99	80
Columbia Above The Dalles	1.15	116	11.93	78
Kootenai	1.15	110	12.43	79
Clark Fork	1.08	145	6.25	64
Flathead	1.40	148	12.25	93
Pend Oreille/Spokane	1.69	125	18.11	84
Central Washington	0.36	94	3.97	63
Snake River Plain	0.40	65	5.60	83
Salmon/Boise/Payette	0.89	93	9.42	69
Clearwater	2.87	180	16.13	80
SW Washington Cascades/Cowlitz	4.09	127	37.96	67
Willamette Valley	3.54	122	29.36	61

Average snowpack in the Columbia River for basins above the Snake River confluence is 56% of average, for Snake River Basins the average snowpack is 72% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack 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
	% Average (1971-2000)	Probable Runoff Volume (Kaf)	% Average (1971-2000)	Probable Runoff Volume (Kaf)	Actual 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 39.9 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 127.4 Kcfs since April 10th and flows at Priest Rapids have averaged 79.4 Kcfs. On April 19th, 2005 the salmon managers submitted SOR 2005-7, which asked the operators to provide flows between 95 and 105 Kcfs at Priest Rapids Dam beginning April 22nd, 2005.

Grand Coulee Reservoir is currently at an elevation of 1253.0 feet (April 21st 2005 midnight) and has drafted approximately 1.1 foot over the last week.

The Libby Reservoir is currently at elevation 2414.1 feet and well below its flood control elevations. Libby is 28.6 feet below its end of April FC Elevation. Outflows at Libby continue to be 4.0 Kcfs.

The Hungry Horse Reservoir is currently at an elevation of 3548.1 feet and drafting approximately 2.2 feet per week. Outflows at Hungry Horse have increased to approximately 7.2 Kcfs.

The Dworshak reservoir is currently at an elevation of 1588.4 feet and refilled 1.9 feet last week. Outflows at Dworshak are currently 5.3 Kcfs.

The Brownlee Reservoir was at an elevation of 2072 on April 21st, 2005 with outflows ranging between 9.2 and 12.5 Kcfs over the last week.

Spill: There will be no spill at the Snake River transport collector projects in 2005 due to low flows. Spill at IHR began on April 7 and will be provided according to the protocol determined for RSW testing. Spill averaged 69% of daily average flows over the past 7 days.

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 (39%) to the 40% specified in the Biological Opinion. Spill at McNary Dam averaged 50% of daily average flow during spill hours, but varied between 45 and 65% depending on load following. Spill at John Day Dam averaged 52% of daily average flow, varying between 45 and 57%. Spill at both McNary and John Day dams are called for during nighttime hours. At the present low flows, and a restriction of a minimum of 50 Kcfs powerhouse flows, load following (reducing flows during nighttime hours and increasing flows during daytime hours) has led to the large fluctuations in spill percentages causing spill levels to be much lower than described in the Biological Opinion. Spill at Bonneville Dam began on April 15 as 50 Kcfs hourly and was increased to 75 Kcfs hourly on April 20, 2005. Spill at Wanapum Dam began on April 19 and on April 20 at Priest Rapids Dam.

Total dissolved gas levels throughout the hydrosystem remain well below the TDG waiver criteria. Gas bubble trauma monitoring has been initiated at Bonneville and McNary dams in the Lower Columbia. A few fish with minor signs of GBT have been observed at Rock Island Dam.

Smolt Monitoring: Yearling chinook are being captured in relatively large numbers at most Snake River Basin SMP traps and at Lower Snake River dams as well. At Lower Columbia dams the numbers of fish passing is smaller, with the exception of Spring Creek Hatchery subyearlings, but there have been relatively large increases in yearling chinook and steelhead indices at John Day and Bonneville dams the past week.

At the Salmon River Trap there was one day where over 1,000 yearling chinook were captured during the past week. Roughly one third of the daily chinook catch were wild origin. Flows in the Salmon River were up to 8 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, with discharge during this past week at about 3.5 Kcfs. The catch of yearling chinook averaged nearly 50 fish per day at the Grande Ronde Trap. The Imnaha Trap captured lower numbers of yearling chinook this week than last despite near normal flows which rose to 900 cfs on April 19. Steelhead numbers have increased dramatically at the site with the average daily catch near 2,800 for the past week. Relatively small numbers of steelhead were captured at the Grande Ronde River and Salmon River SMP traps this past week.

At the Snake River Trap at Lewiston, the catch has been limited due to low flows. Discharge is averaging about 29 Kcfs per day over the past week at the Anatone gage. Normally flows average about 45 Kcfs this time of year. As was the case last week, the Lewiston Trap continued to capture 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 and steelhead have increased significantly this past week. The daily index for yearling chinook averaged 26,000 this week compared to 14,000 last week while steelhead indices averaged 16,000 this week compared to 8,600 last week. 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.

In the Mid-Columbia, Rock Island Dam indices for yearling chinook were relatively high this past week averaging 244 per day, but reaching to 833 on April 18. Small numbers of coho, steelhead, sockeye and subyearling chinook were also in the sample this past week at the site.

At McNary Dam where sampling is being conducted every other day, indices for yearling chinook and steelhead have nearly doubled compared to last week with yearling chinook indices reaching 4,600 by April 21 while steelhead indices jumped from an average of 3,000 per day this week compared to 1,500 per day the previous week.

At Bonneville Dam, subyearling chinook indices peaked at 208,000 on April 17 after Spring Creek Hatchery released 4.2 million fish two days earlier. Yearling chinook indices increased significantly this week, averaging 18,500 per day compared to 3,400 per day last week. Coho indices were up to 7,000 per day average this week while steelhead indices increased to 700 per day over the past week. A beaver was released stunned but apparently uninjured after being found on the primary dewatering structure separator bars on April 18. The crew could not determine whether the beaver was a fallback or downstream migrant.

Hatchery Zone Release Report

	Friday 22-Apr-2005			
	Snake River	Mid-Columbia	Lower Columbia	Total Release
Fall Chinook	4,656,500	12,656,000	21,886,441	39,198,941
Spring Chinook	9,047,018	4,679,537	5,038,400	18,764,955
Summer Chinook	2,348,012	3,454,500		5,802,512
Coho	825,000	2,449,119	5,149,446	8,423,565
Sockeye	210,716	240,459		451,175
Summer Steelhead	9,062,068	1,249,154	523,769	10,834,991
Winter Steelhead			118,300	118,300
Total	26,149,314	24,728,769	32,716,356	83,594,439

Hatchery releases initiated or completed during the past two weeks accounted for about 26 million fish liberated in the Columbia/Snake River basin. For the upcoming two weeks, about 16.1 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.

Approximately 825,000 yearling Coho salmon will be released in the Clearwater River basin for the 2005 season. The majority 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 from Dworshak and Clearwater hatcheries were released during the past two weeks in the Clearwater River basin exclusively. A-Run Steelhead releases are completed in the Hells Canyon area with releases ongoing or completed in the Little Salmon and main Salmon River. The Grande Ronde and upper Salmon Rivers should be completed by early to mid May.

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. Most State, Tribal and Federal hatcheries completed release of yearling spring Chinook during the past week. Approximately 4.7 million yearling spring Chinook were released in the Mid-Upper Columbia River in 2005.

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 this week. Steelhead releases are just beginning in the upper Basin (Methow and Okanogan rivers) with the Wenatchee River basin scheduled for later April through mid-May. The Steelhead from Ringold H. were released from April 11-14.

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 were released in the Umatilla River. 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. About two million yearling spring Chinook were released from Carson NFH and Little White Salmon River NFH this past 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 with the volitional release from Klickitat H expected to start in mid-May and run through the end of May. The majority of Steelhead are still projected for release from mid-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 began increasing through the week with the total count through April

21 at 4,340. The 2005 count of adult Chinook is about 7% of the 2004 and the 10-year average to date. Counts at upriver projects are just starting to increase with Ice Harbor showing 70 and Priest Rapids only 2 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
04/08/05	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	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
04/12/05	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
04/13/05	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
04/14/05	75.0	0.0	73.6	0.0	76.3	6.8	73.9	0.0	76.6	0.0	97.8	0.0	94.8	0.0
04/15/05	70.6	0.0	73.2	0.0	77.4	6.8	74.5	0.0	75.3	0.0	88.3	0.0	84.6	0.0
04/16/05	59.0	0.0	62.0	0.0	65.4	5.8	60.9	0.0	65.7	0.0	74.9	0.0	67.3	0.0
04/17/05	46.9	0.0	47.9	0.0	52.5	4.6	49.8	0.0	51.4	7.8	65.5	0.0	67.1	0.0
04/18/05	75.2	0.0	74.9	0.0	77.1	6.4	73.5	0.0	75.6	17.9	65.9	0.0	69.7	0.0
04/19/05	83.0	0.0	82.6	0.0	86.8	7.1	83.2	0.0	85.7	18.0	79.3	0.2	70.8	0.0
04/20/05	97.1	0.0	97.4	0.0	101.7	8.6	98.7	0.0	103.0	19.3	83.3	15.7	84.8	9.0
04/21/05	103.3	0.0	103.5	0.0	106.0	8.5	102.0	0.0	104.5	17.6	100.4	21.0	113.7	70.0

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
04/08/05	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	12.4	12.3	36.3	0.0	34.6	0.0	37.3	0.0	39.0	23.2
04/12/05	4.3	0.0	11.0	11.9	37.1	0.0	48.0	0.0	50.5	0.0	51.0	26.3
04/13/05	4.3	0.0	12.3	11.9	38.0	0.0	36.9	0.0	44.8	0.0	45.4	24.9
04/14/05	4.3	0.0	10.8	14.1	39.1	0.0	38.1	0.0	39.3	0.0	41.3	22.7
04/15/05	4.3	0.0	11.5	12.4	39.5	0.0	39.8	0.0	40.8	0.0	41.7	21.6
04/16/05	4.4	0.0	9.3	11.4	35.7	0.0	35.2	0.0	36.1	0.0	35.4	20.7
04/17/05	4.3	0.0	11.6	11.3	37.7	0.0	38.3	0.0	40.7	0.0	42.6	28.1
04/18/05	5.1	0.0	9.9	11.3	45.0	0.0	43.6	0.0	44.3	0.0	47.5	35.7
04/19/05	5.4	0.0	11.9	11.3	43.3	0.0	43.8	0.0	46.0	0.0	46.9	34.6
04/20/05	5.4	0.0	11.9	11.1	43.5	0.0	44.2	0.0	44.3	0.0	46.3	35.4
04/21/05	5.3	0.0	---	---	41.3	0.0	43.1	0.0	44.2	0.0	44.0	34.8

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		
04/08/05	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	117.6	0.0	117.0	0.0	119.4	0.0	122.1	1.6	1.7	112.2
04/12/05	134.1	34.5	141.7	37.2	140.4	53.8	137.6	1.5	41.8	99.7
04/13/05	127.1	36.0	139.1	39.0	147.9	57.6	146.9	1.6	30.7	98.9
04/14/05	140.5	42.3	135.0	37.1	131.7	52.1	139.8	1.6	30.3	101.5
04/15/05	143.9	44.6	148.2	43.4	145.5	55.7	155.0	14.1	19.9	112.7
04/16/05	122.4	31.1	111.8	31.8	114.1	44.1	124.6	50.2	0.0	62.8
04/17/05	116.7	27.3	117.0	33.5	118.6	46.3	126.0	50.3	0.3	63.8
04/18/05	122.4	24.7	118.9	26.7	117.0	44.5	127.6	50.4	1.3	64.4
04/19/05	119.9	25.5	121.3	26.7	126.3	50.2	144.5	56.3	6.3	70.4
04/20/05	121.2	25.6	128.6	30.8	127.0	49.5	128.5	76.6	0.0	40.4
04/21/05	142.5	45.4	124.1	36.8	119.5	45.8	129.9	75.2	0.0	43.2

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
Rock Island Dam											
	04/14/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	04/18/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	04/12/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	04/16/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	04/19/05	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
McNary Dam											
	04/18/05	Chinook + Steelhead	100	3	3	3.00%	0.00%	3	0	0	0
	04/21/05	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: **4/8/2005** to **04/21/05**

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	49,576	04-11-05	04-12-05	Omak Creek	Okanogan River
Colville Tribe	Leavenworth NFH	CH1	SP	2005	100,000	04-08-05	04-18-05	Bonaparte Acclimation Pond	Okanogan River
Colville Tribe Total					162,727				
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	27,342	04-12-05	04-12-05	Pahsimeroi River	Pahsimeroi River
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	183,698	04-18-05	04-22-05	McNabb/Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	200,000	04-20-05	04-22-05	Squaw Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	225,000	04-18-05	04-22-05	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2005	236,487	04-11-05	04-14-05	Salmon River (ID)	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
Idaho Dept. of Fish and Game Total					4,281,900				
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	25,000	04-21-05	04-25-05	Meadow Creek - CLES	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	83,000	04-19-05	04-21-05	Crooked R Acclim Pond	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	150,000	04-13-05	04-22-05	Red River Acclim Pond	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	CO	UN	2005	235,000	04-20-05	05-06-05	Clear Creek	Clearwater River M F
Nez Perce Tribe	Dworshak NFH	ST	SU	2005	100,000	04-11-05	04-15-05	American River	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2005	100,000	04-11-05	04-15-05	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Hagerman NFH	ST	SU	2005	40,000	03-28-05	04-11-05	Hazard Creek/Little Salmon R	Little Salmon River
Nez Perce Tribe	Hagerman NFH	ST	SU	2005	160,000	03-28-05	04-11-05	Little Salmon River	Salmon River (ID)
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2005	69,200	03-28-05	04-14-05	Lostine Accim Pond	Wallowa River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2005	140,000	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
Nez Perce Tribe Total					1,252,200				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	90,000	04-11-05	04-15-05	Big Canyon Acclim.Pd (Grande 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 Total					1,569,000				
U.S. Fish and Wildlife Service	Carson NFH	CH1	SP	2005	1,420,000	04-15-05	04-15-05	Carson Hatchery	Wind River
U.S. Fish and Wildlife Service	Dworshak NFH	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	100,000	03-28-05	04-11-05	Little Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2005	750,000	04-13-05	05-03-05	Sawtooth Hatchery	Salmon River (ID)
U.S. Fish and Wildlife Service	Leavenworth NFH	CH1	SP	2005	1,450,000	04-15-05	04-15-05	Leavenworth Hatchery	Wenatchee River
U.S. Fish and Wildlife Service	Little White Salmon NFH	CH1	SP	2005	750,000	04-14-05	04-14-05	Little White Salmon Hatchery	Little White Salmon River
U.S. Fish and Wildlife Service	Spring Creek NFH	CH0	FA	2005	4,200,000	04-15-05	04-15-05	Spring Creek Hatchery	L Col R (D/s McN Dam)
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2005	739,000	03-16-05	04-13-05	Warm Springs Hatchery	Deschutes River
U.S. Fish and Wildlife Service	Winthrop NFH	CH1	SP	2005	167,000	04-15-05	04-15-05	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	CH1	SP	2005	394,000	04-15-05	04-15-05	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service	Winthrop NFH	ST	SU	2005	110,000	04-15-05	04-30-05	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service Total					12,250,000				
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2005	1,000	03-24-05	04-14-05	Grande Ronde Acclim Pond	Grande Ronde River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	50,000	04-20-05	04-30-05	Minthorn Acclimation Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	50,000	04-20-05	04-30-05	Pendelton Acclim Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	55,000	04-20-05	04-30-05	Meacham Creek	Umatilla River
Umatilla Tribe Total					156,000				
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2005	45,000	03-24-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,500	04-08-05	05-02-05	E Fk Irrig Dist Sand Trap	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,800	04-07-05	05-04-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	29,800	04-01-05	04-29-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	44,500	03-28-05	05-04-05	Jones Creek Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	46,500	03-28-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe Total					245,100				

HATCHERY RELEASE LAST TWO WEEKS

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	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	50,833	04-13-05	04-13-05	Twisp Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2005	69,882	04-14-05	04-14-05	Methow Hatchery	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2005	75,714	04-13-05	04-13-05	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2005	130,308	04-14-05	04-30-05	Chewuch Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	ST	SU	2005	104,000	04-04-05	04-15-05	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	WI	2005	17,500	04-11-05	04-15-05	Salmon Creek (WA)	Columbia River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2005	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
Washington Dept. of Fish and Wildlife Total					2,901,805				
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Lost Creek Acclim Pond	Yakama River
Yakama Tribe	Cascade Hatchery	CO	UN	2005	350,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	268,170	03-09-05	05-16-05	Easton Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	273,870	03-09-05	05-16-05	Clark Flat Acclim Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2005	284,016	03-09-05	05-16-05	Jack Creek Acclim Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Stiles Pond	Yakama River
Yakama Tribe	Eagle Creek NFH	CO	UN	2005	250,000	04-04-05	04-15-05	Yakama River	Yakama River
Yakama Tribe	Leavenworth NFH	CO	UN	2005	340,200	04-15-05	04-15-05	Leavenworth Hatchery	Wenatchee River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2005	415,000	04-11-05	05-10-05	Prosser Acclim Pond	Yakama River
Yakama Tribe	Winthrop NFH	CO	UN	2005	283,000	04-20-05	04-30-05	Winthrop Hatchery	Methow River
Yakama Tribe	Yakama Hatchery	CH0	FA	2005	41,000	04-11-05	04-20-05	Marion Drain	Yakama River
Yakama Tribe	Yakama Hatchery	CH0	FA	2005	150,000	04-11-05	05-20-05	Union Gap (Yakama R)	Yakama River
Yakama Tribe Total					3,255,256				
Grand Total					26,073,988				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From:	4/22/2005	to	5/5/2005						
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
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	183,698	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	225,000	04-18-05	04-22-05	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Oxbow-Idaho	CH0	FA	2005	200,000	05-01-05	05-13-05	Hells Canyon Dam	Snake River
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2005	2,760,000	03-14-05	04-22-05	Rapid River Hatchery	Little Salmon River
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2005	40,000	05-05-05	05-09-05	Redfish Lake Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2005	40,000	05-05-05	05-09-05	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game Total					3,882,198				
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	25,000	04-21-05	04-25-05	Meadow Creek - CLES	S Fk Clearwater Rive
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2005	25,000	04-24-05	04-26-05	Mill Cr Bridge	S Fk Clearwater Rive
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	150,000	04-13-05	04-22-05	Red River Acclim Pond	S Fk Clearwater Rive
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	Lyons Ferry Hatchery	CH0	FA	2005	500,300	05-02-05	05-31-05	Cpt John Acclim Pond	Snake River
Nez Perce Tribe	Lyons Ferry Hatchery	CH0	FA	2005	503,000	05-02-05	05-31-05	Big Canyon (Clearwater R)	Clearwater River M F
Nez Perce Tribe Total					1,488,300				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	90,000	05-02-05	05-13-05	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	05-03-05	L Sheep Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2005	161,000	04-30-05	05-11-05	Wallowa Acclim Pond	Wallowa River
Oregon Dept. of Fish and Wildlife	Umatilla Hatchery	CH0	FA	2005	200,000	05-02-05	05-31-05	Pittsburg Landing Acclim Pond	Snake River
Oregon Dept. of Fish and Wildlife Total					611,000				
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	Hagerman NFH	ST	SU	2005	100,000	05-04-05	05-06-05	East Fk 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	Winthrop NFH	ST	SU	2005	110,000	04-15-05	04-30-05	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service Total					2,130,000				
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	50,000	04-20-05	04-30-05	Minthorn Acclimation Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	50,000	04-20-05	04-30-05	Pendelton Acclim Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2005	55,000	04-20-05	04-30-05	Meacham Creek	Umatilla River
Umatilla Tribe Total					155,000				
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2005	45,000	03-24-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,500	04-08-05	05-02-05	E Fk Irrig Dist Sand Trap	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2005	39,800	04-07-05	05-04-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	29,800	04-01-05	04-29-05	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	44,500	03-28-05	05-04-05	Jones Creek Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2005	46,500	03-28-05	05-04-05	Blackberry Acclim Pond	Hood River
Warm Springs Tribe Total					245,100				
Washington Dept. of Fish and Wildlife	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	215,000	05-02-05	05-02-05	Turtle Rock Hatchery	Mid-Columbia 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	39,000	05-02-05	05-02-05	Wenatchee River	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	ST	SU	2005	100,000	05-02-05	05-02-05	Nason Creek	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	ST	SU	2005	124,000	03-21-05	05-20-05	Above Rock Island Dam	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	ST	SU	2005	153,000	05-02-05	05-02-05	Chiwawa Hatchery	Wenatchee River
Washington Dept. of Fish and Wildlife	Klickitat Hatchery	CH0	SP	2005	250,000	05-02-05	05-06-05	Upper Klickitat River	Klickitat River
Washington Dept. of Fish and Wildlife	Klickitat Hatchery	CO	NO	2005	1,000,000	05-01-05	05-20-05	Klickitat Hatchery	Klickitat River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2005	234,000	05-02-05	05-31-05	Cpt John Acclim Pond	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	CH0	FA	2005	400,000	05-02-05	05-31-05	Grande Ronde River	Grande Ronde 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	Skamania Hatchery	ST	SU	2005	22,500	05-02-05	05-06-05	White Salmon River	White Salmon 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	21,500	05-02-05	05-06-05	White Salmon River	White Salmon 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	10,000	04-29-05	04-29-05	Omak Creek	Okanogan River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	33,000	04-30-05	05-05-05	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	84,000	05-04-05	06-03-05	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	90,000	04-21-05	05-06-05	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2005	90,000	04-21-05	05-06-05	Methow River	Methow River
Washington Dept. of Fish and Wildlife Total					5,295,308				

HATCHERY RELEASE NEXT TWO WEEKS

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	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	70,941	05-01-05	05-15-05	Maher 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	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	150,000	04-11-05	05-20-05	Union Gap (Yakama R)	Yakama River
Yakama Tribe Total					2,299,975				
Grand Total					16,106,881				

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>		
4/8	---	---	---	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
4/15	---	---	---	0	105	106	106	24	105	105	106	24	104	105	106	24	104	104	104	23
4/16	---	---	---	0	106	106	107	24	106	106	107	24	105	106	107	24	104	105	105	24
4/17	---	---	---	0	105	106	106	24	106	107	107	24	105	106	108	24	105	106	107	24
4/18	---	---	---	0	105	106	107	24	106	106	107	24	105	105	106	24	105	105	106	23
4/19	---	---	---	0	105	106	107	24	106	107	108	24	105	105	106	23	105	106	106	24
4/20	---	---	---	0	105	106	106	24	107	107	108	24	105	106	107	23	106	107	107	23
4/21	---	---	---	0	105	106	106	24	106	107	108	24	104	105	106	24	106	106	107	24

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. Tlwr</u>							
	<u>24 h</u>	<u>12 h</u>	<u>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>		
4/8	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
4/15	105	105	106	24	105	105	106	24	106	107	107	24	107	107	108	24	107	107	107	24
4/16	106	106	107	24	105	106	106	24	107	107	108	24	108	108	108	24	108	108	108	24
4/17	107	107	108	24	105	105	105	24	106	107	107	24	108	108	108	24	108	108	108	24
4/18	106	106	108	22	104	105	106	24	106	107	107	24	107	107	108	24	107	108	108	24
4/19	106	107	108	17	105	106	106	24	107	108	108	24	107	108	108	24	108	108	108	24
4/20	108	108	108	9	106	106	107	24	108	108	108	24	108	108	109	24	108	109	109	24
4/21	107	107	107	24	106	106	106	24	107	108	108	24	107	108	108	24	108	108	108	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>		
4/8	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
4/15	107	107	108	24	108	108	109	24	---	---	---	0	---	---	---	0	---	---	---	0
4/16	107	108	108	24	109	109	110	24	---	---	---	0	---	---	---	0	---	---	---	0
4/17	107	107	107	24	112	113	114	24	---	---	---	0	---	---	---	0	---	---	---	0
4/18	107	107	108	24	113	114	116	24	---	---	---	0	---	---	---	0	---	---	---	0
4/19	107	108	108	24	112	114	115	24	---	---	---	0	---	---	---	0	---	---	---	0
4/20	108	108	108	24	113	114	116	24	---	---	---	0	---	---	---	0	---	---	---	0
4/21	107	108	108	24	113	114	117	24	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<u>Priest R. Dnst</u>			<u>Pasco</u>			<u>Dworshak</u>			<u>Clrwtr-Peck</u>			<u>Anatone</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High		#			
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	Avg	hr
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
4/15	---	---	---	0	104	105	105	24	96	97	97	24	100	101	102	24	102	103	105	24
4/16	---	---	---	0	105	105	105	24	97	98	98	24	100	101	102	24	102	103	105	24
4/17	---	---	---	0	104	104	105	24	97	97	98	24	100	100	101	24	102	103	104	24
4/18	---	---	---	0	103	104	105	24	96	97	97	23	99	100	101	23	101	102	103	24
4/19	---	---	---	0	104	105	106	24	96	97	97	24	100	100	101	24	101	102	103	24
4/20	---	---	---	0	105	105	106	24	97	97	98	24	100	100	101	24	101	102	103	24
4/21	---	---	---	0	105	105	106	24	103	110	118	24	100	100	101	24	102	103	104	24

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite Tlwr</u>			<u>Little Goose</u>			<u>L. Goose Tlwr</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High		#			
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	Avg	hr
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
4/15	101	103	104	24	101	102	104	24	101	101	102	24	101	101	101	23	101	101	101	23
4/16	101	103	104	24	102	102	103	24	102	102	103	24	103	103	104	24	102	102	103	24
4/17	101	102	104	24	101	101	102	24	101	101	103	24	102	102	102	24	101	101	102	24
4/18	100	101	101	23	101	101	101	24	101	101	102	24	101	101	102	24	100	101	102	24
4/19	101	102	103	24	102	103	104	24	101	102	103	24	101	101	101	24	100	101	101	24
4/20	101	101	102	7	103	104	106	24	102	103	103	24	101	102	102	24	102	102	102	24
4/21	102	103	104	19	102	103	104	24	101	101	102	24	101	101	103	24	101	101	102	24

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

Date	<u>Lower Mon.</u>			<u>L. Mon. Tlwr</u>			<u>Ice Harbor</u>			<u>Ice Harbor Tlwr</u>			<u>McNary-Oregon</u>			#				
	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High	#	<u>24 h</u>	<u>12 h</u>	High		#			
	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg		hr	Avg	Avg			hr	Avg	Avg	hr
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
4/15	101	101	101	24	101	102	103	24	103	103	103	24	112	114	115	24	107	108	111	24
4/16	102	102	102	24	102	102	103	24	103	103	103	24	112	114	115	24	107	108	110	24
4/17	101	102	102	24	102	102	102	24	102	102	103	24	112	114	116	24	106	107	108	24
4/18	101	101	101	24	101	101	102	24	102	102	102	24	114	115	116	24	106	107	109	24
4/19	102	102	103	24	102	103	103	24	102	102	102	24	114	115	116	24	106	107	108	24
4/20	102	102	102	24	102	103	103	24	102	103	103	24	114	116	117	24	107	108	109	24
4/21	101	102	102	24	102	102	103	24	102	102	103	24	114	115	116	24	107	108	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>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>AVG</u>	<u>High</u>	<u>#</u>	
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
4/15	106	106	108	24	110	115	115	24	104	104	105	23	111	117	118	24	108	109	112	23
4/16	107	108	109	24	111	114	115	24	105	105	105	23	110	116	118	24	111	114	115	23
4/17	106	107	108	24	109	112	113	24	104	104	105	23	110	116	118	24	108	110	110	23
4/18	106	106	108	24	108	111	113	24	104	104	104	23	109	114	118	24	107	108	109	23
4/19	108	109	110	24	110	112	114	24	104	105	105	23	110	115	118	24	106	106	107	23
4/20	108	109	110	24	110	112	114	24	105	105	106	23	111	116	119	24	108	109	110	23
4/21	108	109	110	24	111	114	117	24	105	106	106	23	111	116	118	24	108	109	110	23

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>CamasWashugal</u>						
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>#</u>	
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
4/15	113	113	114	24	110	110	111	23	110	111	113	23	107	109	110	24
4/16	113	114	114	24	111	112	113	23	114	115	115	23	109	110	112	24
4/17	112	113	114	24	111	112	112	23	114	114	115	23	112	113	113	24
4/18	111	112	114	24	109	110	111	23	114	114	115	23	112	113	115	24
4/19	111	113	114	24	109	109	109	23	113	113	114	23	113	114	115	24
4/20	111	113	114	24	109	109	109	23	115	115	116	23	112	114	115	24
4/21	112	113	114	24	108	108	109	23	115	115	116	23	114	115	115	24

Two-Week Summary of Passage Indices

* See sampling comments <http://www.fpc.org/currentDaily/smpcomments.htm>

this means that one or more of the sites on this date had an incomplete or biased sample.

For clip information see: [Daily Catch Report](#)

For sockeye and yearling chinook (Snake only) race information see: [Current Passage Index Query](#)

If the text appears garbled, please hit the refresh button on your browser

NOTE for 2002 Lower Monumental Data: Due to the non-standard operation of Lower Monumental this year, the passage index reliability is in question and is being looked into.

Fall (post SMP season) trapping at the Imnaha River Fish Trap (IMN) is funded by the Lower Snake River Compensation Program (LSRCP)

COMBINED YEARLING CHINOOK											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
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 *	536	496	150	2	20,400	485	7,900	2	1,846	5,609	6,182
04/16/2005 *	---	228	46	---	26,700	444	6,640	0	---	3,786	8,370
04/17/2005	---	83	3	---	19,800	587	9,630	151	2,325	3,654	35,543
04/18/2005 *	1,212	294	29	12	20,150	932	10,150	833	---	6,142	39,705
04/19/2005 *	668	401	66	164	45,425	1,270	12,650	715	2,306	6,217	30,320
04/20/2005 *	289	357	44	10	68,550	2,043	15,050	425	---	7,071	23,701
04/21/2005 *	215	---	16	6	70,000	1,472	9,200	337	4,600	6,117	25,407
<hr/>											
Total:	7,272	5,225	916	218	368,225	8,535	99,630	2,472	14,792	63,066	192,998
# Days:	10	13	14	10	14	14	14	14	7	14	14
Average:	727	402	65	22	26,302	610	7,116	177	2,113	4,505	13,786
YTD	24,365	40,181	3,892	252	381,678	8,895	112,350	2,477	18,268	105,124	219,692

COMBINED SUBYEARLING CHINOOK											
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
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	1	5	100	0	0	67	44	0	824
04/16/2005 *	---	0	0	---	800	0	0	32	---	0	939
04/17/2005	---	0	1	---	0	0	0	28	27	15	208,379
04/18/2005 *	0	5	3	3	50	0	0	29	---	0	155,570
04/19/2005 *	0	0	0	0	0	0	0	4	6	0	17,687
04/20/2005 *	0	0	1	2	100	0	0	29	---	13	8,180
04/21/2005 *	0	---	3	5	50	0	0	9	64	0	8,423
<hr/>											
Total:	0	5	18	20	2,100	0	50	1,057	239	42	405,354
# Days:	10	13	14	10	14	14	14	14	7	14	14
Average:	0	0	1	2	150	0	4	76	34	3	28,954
YTD	0	16	31	120	2,855	4	50	1,087	380	52	1,317,424

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)
04/08/2005 *	0	0	0	0	200	0	0	0	---	0	1,055
04/09/2005	---	0	0	---	200	0	0	0	0	0	1,748
04/10/2005 *	---	0	0	---	150	6	0	0	---	0	2,016
04/11/2005	0	0	0	0	240	6	0	0	50	0	1,466
04/12/2005 *	0	0	0	1	75	4	0	0	---	0	2,671
04/13/2005 *	0	0	0	0	875	18	0	4	90	11	3,594
04/14/2005 *	0	0	0	0	350	24	0	0	---	23	5,084
04/15/2005 *	0	0	0	0	300	16	0	0	58	0	6,878
04/16/2005 *	---	0	0	---	200	18	0	0	---	27	8,626
04/17/2005	---	0	0	---	100	32	0	1	54	44	10,008
04/18/2005 *	0	0	0	0	0	46	0	8	---	22	2,527
04/19/2005 *	0	0	0	7	200	34	0	8	76	13	5,053
04/20/2005 *	0	0	0	1	150	92	0	8	---	75	5,453
04/21/2005 *	0	---	0	1	350	120	0	21	174	65	9,942
<hr/>											
Total:	0	0	0	10	3,390	416	0	50	502	280	66,121
# Days:	10	13	14	10	14	14	14	14	7	14	14
Average:	0	0	0	1	242	30	0	4	72	20	4,723
YTD	0	0	0	45	4,584	423	0	55	541	785	75,747

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)
04/08/2005 *	50	17	1	10	8,675	366	3,080	0	---	206	263
04/09/2005	---	21	2	---	4,750	444	2,860	0	0	200	297
04/10/2005 *	---	33	1	---	11,650	746	4,980	2	---	314	460
04/11/2005	20	19	4	5	8,440	880	8,200	0	2,444	246	398
04/12/2005 *	21	43	0	61	11,800	780	9,300	0	---	210	664
04/13/2005 *	34	1,568	3	13	8,450	540	4,880	0	2,107	565	1,184
04/14/2005 *	30	3,797	1	22	6,800	550	1,950	0	---	457	1,714
04/15/2005 *	47	5,105	6	75	7,100	396	4,940	1	1,881	633	889
04/16/2005 *	---	3,804	10	---	6,300	486	2,540	0	---	722	854
04/17/2005	---	789	3	---	5,350	678	1,860	1	2,476	751	712
04/18/2005 *	86	3,170	21	7	7,300	546	1,000	12	---	417	1,083
04/19/2005 *	43	2,001	36	38	22,475	630	1,950	22	3,807	583	1,444
04/20/2005 *	40	1,833	32	24	26,600	840	2,200	16	---	1,045	944
04/21/2005 *	31	---	12	164	34,200	1,072	1,950	28	3,890	717	2,209
<hr/>											
Total:	402	22,200	132	419	169,890	8,954	51,690	82	16,605	7,066	13,115
# Days:	10	13	14	10	14	14	14	14	7	14	14
Average:	40	1,708	9	42	12,135	640	3,692	6	2,372	505	937
YTD	540	22,509	537	790	222,338	9,456	53,930	87	17,914	10,752	15,488

Two-Week Summary of Passage Indices

COMBINED SOCKEYE												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
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	*	0	0	0	0	100	2	0	1	1	0	0
04/16/2005	*	---	0	0	---	50	20	90	1	---	0	28
04/17/2005		---	0	0	---	150	24	0	6	0	0	0
04/18/2005	*	0	0	0	0	100	36	0	20	---	0	0
04/19/2005	*	0	0	0	0	125	16	0	12	13	0	0
04/20/2005	*	0	0	0	0	50	28	0	8	---	0	0
04/21/2005	*	0	---	0	0	50	56	50	24	19	0	0
Total:		0	0	0	0	1,190	363	200	73	33	14	53
# Days:		10	13	14	10	14	14	14	14	7	14	14
Average:		0	0	0	0	85	26	14	5	5	1	4
YTD		0	0	0	1	1,817	404	260	73	51	50	71

* 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:

4/22/05 9:56 AM

		04/09/05	TO	04/22/05			
Site	Data	Species					Grand Total
		CH0	CH1	CO	SO	ST	
LGR	Sum of NumberCollected	2,100	368,225	3,390	1,190	169,890	544,795
	Sum of NumberBarged	2,316	300,187	3,256	1,210	141,329	448,298
	Sum of NumberBypassed	0	1,122	0	0	1,758	2,880
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	2	102	0	2	2	108
	Sum of FacilityMorts	8	706	10	27	55	806
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	10	808	10	29	57	914
LGS	Sum of NumberCollected		8,535	416	363	8,954	18,268
	Sum of NumberBarged		7,001	299	316	8,080	15,696
	Sum of NumberBypassed		143	0	0	0	143
	Sum of Numbertrucked		0	0	0	0	0
	Sum of SampleMorts		14	4	2	4	24
	Sum of FacilityMorts		40	0	9	22	71
	Sum of ResearchMorts		0	0	0	0	0
	Sum of TotalProjectMorts		54	4	11	26	95
LMN	Sum of NumberCollected	50	99,630		200	51,690	151,570
	Sum of NumberBarged	50	90,335		149	49,697	140,231
	Sum of NumberBypassed	0	0		0	0	0
	Sum of Numbertrucked	0	0		0	0	0
	Sum of SampleMorts	0	10		0	10	20
	Sum of FacilityMorts	0	97		1	35	133
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	0	107		1	45	153
MCN	Sum of NumberCollected	230	12,759	410	41	13,492	26,932
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	228	12,733	410	40	13,479	26,890
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	2	12	0	0	2	16
	Sum of FacilityMorts	0	10	0	1	10	21
	Sum of ResearchMorts	0	4	0	0	1	5
	Sum of TotalProjectMorts	2	26	0	1	13	42
Total Sum of NumberCollected		2,380	489,149	4,216	1,794	244,026	741,565
Total Sum of NumberBarged		2,366	397,523	3,555	1,675	199,106	604,225
Total Sum of NumberBypassed		228	13,998	410	40	15,237	29,913
Total Sum of Numbertrucked		0	0	0	0	0	0
Total Sum of SampleMorts		4	138	4	4	18	168
Total Sum of FacilityMorts		8	853	10	38	122	1,031
Total Sum of ResearchMorts		0	4	0	0	1	5
Total Sum of TotalProjectMorts		12	995	14	42	141	1,204

YTD Transportation Summary

Source: Fish Passage Center

Updated:

4/22/05 9:56 AM

TO: 04/22/05

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	2,855	381,678	4,584	1,817	222,338	613,272
	Sum of NumberBarged	2,316	300,187	3,256	1,210	141,329	448,298
	Sum of NumberBypassed	71	1,966	92	18	4,105	6,252
	Sum of NumberTrucked	404	8,883	871	487	43,015	53,660
	Sum of SampleMorts	7	107	0	8	3	125
	Sum of FacilityMorts	8	792	16	44	66	926
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	15	899	16	52	69	1,051
LGS	Sum of NumberCollected	4	8,895	423	404	9,456	19,182
	Sum of NumberBarged	0	7,001	299	316	8,080	15,696
	Sum of NumberBypassed	0	143	0	0	0	143
	Sum of NumberTrucked	4	223	0	27	291	545
	Sum of SampleMorts	0	19	5	2	5	31
	Sum of FacilityMorts	0	50	0	9	22	81
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	0	69	5	11	27	112
LMN	Sum of NumberCollected	50	112,350		260	53,930	166,590
	Sum of NumberBarged	50	90,335		149	49,697	140,231
	Sum of NumberBypassed	0	0		0	0	0
	Sum of NumberTrucked	0	12,712		60	2,235	15,007
	Sum of SampleMorts	0	11		0	10	21
	Sum of FacilityMorts	0	104		1	40	145
	Sum of ResearchMorts	0	0		0	0	0
	Sum of TotalProjectMorts	0	115		1	50	166
MCN	Sum of NumberCollected	360	15,795	445	56	14,638	31,294
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	357	15,764	445	55	14,624	31,245
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	3	14	0	0	2	19
	Sum of FacilityMorts	0	13	0	1	11	25
	Sum of ResearchMorts	0	4	0	0	1	5
	Sum of TotalProjectMorts	3	31	0	1	14	49
Total Sum of NumberCollected		3,269	518,718	5,452	2,537	300,362	830,338
Total Sum of NumberBarged		2,366	397,523	3,555	1,675	199,106	604,225
Total Sum of NumberBypassed		428	17,873	537	73	18,729	37,640
Total Sum of NumberTrucked		408	21,818	871	574	45,541	69,212
Total Sum of SampleMorts		10	151	5	10	20	196
Total Sum of FacilityMorts		8	959	16	55	139	1,177
Total Sum of ResearchMorts		0	4	0	0	1	5
Total Sum of TotalProjectMorts		18	1,114	21	65	160	1,378

Cumulative Adult Passage at Mainstem Dams Through: 04/21

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	4,340	2	62,661	203	62,583	362	0	0	0	0	0	0	0	0	0	0	0	0
TDA	1,467	1	33,699	123	34,454	137	0	0	0	0	0	0	0	0	0	0	0	0
JDA	825	-5	21,603	54	22,400	52	0	0	0	0	0	0	0	0	0	0	0	0
MCN	242	0	10,595	29	15,336	45	0	0	0	0	0	0	0	0	0	0	0	0
IHR	70	0	6,194	10	9,072	15	0	0	0	0	0	0	0	0	0	0	0	0
LMN	17	0	3,794	3	6,770	8	0	0	0	0	0	0	0	0	0	0	0	0
LGS	7	0	2,017	2	4,933	31	0	0	0	0	0	0	0	0	0	0	0	0
LWG	3	0	1,172	5	3,654	3	0	0	0	0	0	0	0	0	0	0	0	0
PRD	2	0	111	0	1,124	0	0	0	0	0	0	0	0	0	0	0	0	0
RIS	0	0	3	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0
RRH	0	0	0	0	3	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	877	1	13,783	14	n/a	n/a	---	---	---	---	---	---	---	---	---	---	n/a	n/a

DAM	Coho						Sockeye			Steelhead			
	2005		2004		10-Yr Avg.		2005	2004	10-Yr Avg.	2005	2004	10-Yr Avg.	Wild 2005
	Adult	Jack	Adult	Jack	Adult	Jack							
BON	0	0	0	0	0	0	0	0	0	637	2,621	1,981	224
TDA	0	0	0	0	0	0	0	0	0	421	881	685	234
JDA	3	0	0	0	0	0	0	0	0	683	1,227	2,278	413
MCN	0	0	0	0	0	0	0	0	0	626	998	1,163	291
IHR	0	0	0	0	0	0	0	0	0	1,017	1,614	1,355	506
LMN	0	0	0	0	0	0	0	0	0	609	1,356	1,443	276
LGS	0	0	0	0	0	0	0	0	0	730	1,700	1,637	301
LWG	0	0	0	0	0	0	0	0	0	4,391	7,267	5,832	1,332
PRD	0	0	0	0	0	0	0	0	0	3	1	0	n/a
RIS	0	0	0	0	0	0	0	0	0	8	19	6	8
RRH	0	0	0	0	0	0	0	0	0	80	67	24	80
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	5,502	14,064	n/a	n/a

WFA is through 04/19.

RIS/RRH are through 04/18.

*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: 04/22/05

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

