



# Fish Passage Center Weekly Report #07 - 7

April 20, 2007

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## Summary of Events:

**Water Supply:** Precipitation throughout the Columbia Basin has varied between 58% and 97% of average at individual sub-basins over the first 16-days of April. Precipitation above The Dalles has been 70% of average over the first 16-days of April. Over the entire water year, precipitation has generally been near or above average.

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

Location	Water Year 2007		Water Year 2007	
	April 1-16		October 1, 2006 to	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.70	80	17.05	113
SNAKE RIVER ABOVE ICE HARBOR	0.54	69	9.61	87
Columbia Above The Dalles	0.70	80	16.12	106
Kootenai	0.83	89	18.69	120
Clark Fork	0.38	58	10.09	105
Flathead	0.82	97	13.81	106
Pend Oreille/Spokane	0.89	74	21.51	101
Central Washington	0.24	72	6.17	99
SNAKE RIVER PLAIN	0.32	58	5.39	81
Salmon/Boise/Payette	0.49	58	11.76	86
Clearwater	1.05	74	21.03	105
SW Washington Cascades/Cowlitz	1.96	69	59.42	105
Willamette Valley	2.30	89	52.34	109

Table 2 displays the April Final and April Mid Month runoff volume forecasts for multiple reservoirs. Water Supply Forecasts did not vary much between the April Final and April Mid Month forecasts at Columbia Basins and Snake Basin sites. The current forecast at The Dalles between January and July remained the same and is 100000 Kaf (93% of average).

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

Location	April Final		April Mid Month	
	% Average (1971- 2000)	Probable Runoff Volume (Kaf)	% Average (1971- 2000)	Probable Runoff Volume (Kaf)
The Dalles (Jan-July)	93	100000	93	100000
Grand Coulee (Jan-July)	105	65900	104	65700
Libby Res. Inflow, MT (Jan-July)	106	6700	106	6710
Hungry Horse Res. Inflow, MT (Jan-July)	93	2070	91	2030
Lower Granite Res. Inflow (Apr- July)	70	15100	68	14600
Brownlee Res. Inflow (Apr-July)	52	3300	52	3280
Dworshak Res. Inflow (Apr-July), RFC Forecast	83	2200	81	2150
Dworshak Res. Inflow (Apr-July), COE Forecast	74 (April Final)	1982 (April Final)		

Grand Coulee Reservoir is at 1254.7 feet (4-19-07) and has drafted 3.3 feet in the last week. The end of April flood control elevation is 1249.4 feet.

Dworshak is currently at an elevation of 1572.05 feet (4-19-07) and refilled 2.6 feet last week. The COE's official forecast has dropped from 82% of average (March final) to 74% of average (April Final), which has caused the end of April Flood Control elevation to increase to 1572.1 feet. As a result the project is being operated to achieve this elevation with an overall objective of gradually refilling to the end of April flood control elevation, without decreasing flow from Dworshak towards the end of the month. The flows were at 5.8 Kcfs for most of the week and were increased towards the end of the week to 7.2 Kcfs.

The Libby Reservoir is currently at elevation 2393.58 feet (4-19-07) and filled 1.95 feet last week. The spring rise was declared at 0001 hours on April 17. Libby was increased to full power-house on April 18th. Outflows at Libby are currently 25 Kcfs. The estimated end of April FCE is 2378.7 feet.

Hungry Horse is currently at an elevation of 3534.92 feet (4-19-07) and filled 0.61 feet last week. Outflows at Hungry Horse are currently 3 Kcfs. Hungry Horse's Var Q outflow will be around 7 Kcfs beginning on May 1st.

The Brownlee Reservoir was at an elevation of 2068.44 feet on April 18th, 2007, refilling about 2 feet last week. Outflows at Brownlee Dam have been 9.4 to 12.8 Kcfs over the last week. The estimated end of April FCE is 2071.6 feet.

The Biological Opinion flow period began on April 3rd in the lower Snake River (Lower Granite) and on April 10th in the mid (Priest Rapids) and lower (McNary) Columbia River. According to the last Water Supply Forecast (April Final), the flow objectives this spring will be 85 Kcfs at Lower Granite, 237 Kcfs at McNary, and 135 Kcfs at Priest Rapids. The McNary Dam flow over the past week averaged 228.1 Kcfs. The Lower Granite Dam flow over the past week averaged 47.8 Kcfs. The Priest Rapids Dam flow over the past week averaged 166.5 Kcfs.

**Spill:** In accordance with the Court Order, spill was initiated at the Snake River Projects at 0001 hours on April 3, 2007. The Court Order calls for the following spill levels at the Federal Snake River Projects:

Project	Day/Night Spill
Lower Granite	20Kcfs/20Kcfs
Little Goose	30%/30%
Lower Monumental	Gas Cap/Gas Cap
Ice Harbor	30%/30% vs 45Kcfs/Gas Cap Study

Spill at Lower Granite Dam has averaged an instantaneous 20 Kcfs and spill at Little Goose Dam is at the 30% instantaneous level. Spill at Lower Monumental Dam had been below the COE established gas cap objective due to construction at the site that ended on April 13th. Spill was increased a few Kcfs on April 14th, but was decreased again because the bulk spill pattern resulted in exceeding the 115% TDG forebay criteria at Ice Harbor Dam. Spill at Ice Harbor Dam has been equal to all flow in excess of that needed to operate one turbine unit.

Court ordered spill at the lower Columbia projects began on April 10, 2007. The Court Order calls for the following spill levels at the Federal Lower Columbia River Projects:

Project	Day/Night Spill
McNary	40%/40%
John Day	0/60%
The Dalles	40%/40%
Bonneville	100Kcfs/100Kcfs

Spill at McNary Dam is meeting the Court's Order. Spill at John Day Dam was finally increased to the 60% of nighttime flow as per the Court's Order on April 16th. Spill caps had been set by the COE at 94.4 Kcfs, even though the tailwater had not exceeded the TDG criteria. JDA has been shown to have a flat dissolved gas generation curve with increasing spill above 100 kcfs up to approximately 140 kcfs and subsequent to the increase in spill an increase in TDG was not observed. Spill at The Dalles and Bonneville dams have been meeting the Court's Order.

Total dissolved gas at the federal hydro-projects was well under or close to the waiver limits over the past week. Gas bubble trauma (GBT)

monitoring continued this week at Lower Granite, Little Goose, Rock Island, and Bonneville dams. The April 16 samples of 100 Chinook & steelhead at each of Lower Monumental and Rock Island dams saw 1 fish with signs of GBT (1%) that were at the lowest ranking level. All other samples showed no fish with signs of GBT.

**Smolt Monitoring:** Sampling is ongoing at all SMP locations. Sampling at Little Goose and Lower Monumental dams is limited to condition and research sampling; full sampling, in support of transportation will begin in late April or early May at those sites. Sampling at McNary Dam has been resumed on a regular schedule; every other day for spring migrants.

Smolt Monitoring at Snake River tributary traps continued this past week, where large numbers of yearling Chinook are being captured at the Imnaha, Grande Ronde and Salmon traps. At the Salmon River Trap, operated by IDFG, hatchery yearling Chinook dominated the catch over the past week. Catch of yearling Chinook at the trap reached 1,535 on April 19. Over 3 million hatchery Chinook were released into the basin above the trap in the past three weeks. At the Grande Ronde Trap the catch of yearling chinook has declined over the past week. The numbers of clipped hatchery origin fish in the catch has decreased rapidly since April 11, when nearly 1,100 total fish were in the sample, while the catch of unclipped, but coded-wire tagged fish has increased. Those unclipped fish are from an acclimation release of 118,000 fish that ended on April 11. The Imnaha Trap has had very large numbers of hatchery yearling chinook pass the trap. Peak collection of over 13,000 per day on April 10 and 11 was 90% hatchery origin fish. Numbers have declined over the past week, but the site was still collecting 600 to 800 per day over the past week. The Imnaha Trap also saw a spike in steelhead passage last week on April 12 and 13. All three of the rivers these traps operate in showed a peak in discharge between April 10 and 11 that coincided with the high collection numbers reported for that time period. The higher numbers collected reflect increased passage as well as improved trap efficiency at moderately higher discharge.

At the Snake River Trap collection numbers are gradually increasing, but flows remain very low for this time of year and the trap does not fish as effectively at these low flows. Discharge in the Snake River, measured at Anatone gage, has fluctuated between 25 and 30 kcfs over the past week, compared to median historic flows averaging between 40 and 45 kcfs for the same time period.

At Lower Granite Dam, there was a significant increase in collection of spring migrants the past week. The passage index for yearling chinook rose to 50,000 on April 19, averaging 32,000 per day over the past week while steelhead indices rose to 7,000 on the 19 and averaged 6,000 over the past week. PIT-tagged wild fish are arriving from all major tributaries, with about 75% of the tags from fish marked in 2006.

Full 24-hour sampling at Little Goose and Lower Monumental dams will begin when transportation begins at those sites. Transportation will begin on a delayed schedule this year similar to 2006. Some sampling for research and fish condition is occurring at those dams.

At Rock Island Dam yearling chinook collection has increased over the past several days, with the index averaging around 300 fish for the past week.

In the Lower Columbia, at McNary Dam the yearling chinook index averaged 12,700 over the past 4 sample dates, while steelhead indices averaged just over 1,000 for those same dates. While at John Day Dam the yearling chinook index averaged 8,600 per day this week compared to 2,200 last week, and steelhead numbers were up more sharply, with the average index this week at 1,300 compared to 370 the previous week.

At Bonneville Dam the yearling chinook index averaged 23,000 over the past week, with a peak of 41,000 on April 15. Subyearling chinook index rose to 262,000 on April 14, as passage from the second Spring Creek release peaked. The subyearlings began to arrive at about 6:45 am on April 13, about 21 hours after release, and at that time, according to SMP personnel at the site, moribund and dead fish were immediately apparent in the sample tank. A sub-sample taken after

two hours (two hours of collection 7 am to 9 am), found 10% mortality in the 1,232 fish sample. Mortality dropped substantially the next sample day, which would have begun April 14 at 7 am; during that time period, mortality dropped to 2.7%. After the high mortality event, fisheries managers requested a reduction in turbine loading for units in Powerhouse 2 that had been modified to improve fish guidance during the past winter. The COE complied with the request and SMP monitors reported 2.7% mortality for the sample ending on April 15, and 0% mortality on April 16.

### **Hatchery Release:**

**Snake River Zone:** The Snake River Zone encompasses the Snake River and its tributaries from its confluence with the Columbia River to Hells Canyon Dam. A total of approximately 303,500 yearling fall Chinook were scheduled for release this week into the Clearwater (51%) and Snake (49%) rivers. Additional Chinook releases scheduled for this week included about 136,000 yearling spring Chinook into the Wallowa River and 985,500 yearling summer Chinook into the Pahsimeroi River. Just over 2.88 million summer steelhead were released into this zone over the past week. Of these, approximately 72% were released into the Clearwater River, while 14% were released into the Salmon River. The remaining 14% of these summer steelhead were spread among the Grande Ronde, Snake, and Tucannon Rivers.

Approximately 110,000 subyearling fall Chinook are scheduled for release in this zone over the next two weeks (May 1st). In addition, volitional releases totaling approximately 2.7 million yearling spring Chinook are scheduled to end within the next two weeks at the Little Salmon and Tucannon Rivers. Finally, over 3.5 million summer steelhead are scheduled for release into this zone over the next two weeks. Of these, approximately 89% are scheduled for release into the Salmon River and its tributaries.

**Mid-Columbia Zone:** The Mid-Columbia Zone encompasses the area of the Columbia River and its tributaries from McNary Dam to Chief

Joseph Dam. Approximately 570,000 subyearling fall Chinook were scheduled for release this week into the Yakima River. Also scheduled for release into this region over the past week were approximately 2.45 million yearling spring Chinook. Of these, about 68% were scheduled for release into the Wenatchee River, while 17% and 15% were scheduled for release into the Methow and Entiat Rivers, respectively. Volitional releases of approximately 540,572 yearling summer Chinook began this week. Of these, 264,000 were scheduled for release into the Methow River, while 276,572 were scheduled for release into the Okanogan River. Both of these releases are scheduled to run into May.

A volitional release of coho from Holmes Acclimation Pond on the Yakima River ended this week. In all, about 245,382 coho were released from this pond over the 16 day span of the release. A Yakama Tribal Program to re-establish coho runs into the Methow and Wenatchee Rivers Basins began this week with the release of approximately 615,715 smolts into the Wenatchee and 270,349 smolts into the Methow River. Summer steelhead releases scheduled for this week included approximately 18,874 into the Okanagon River, 59,000 into the Touchet River, and 104,000 into the Walla Walls River.

Approximately 1.2 million subyearling fall Chinook are scheduled for release into the Yakima River on or around April 27th. In addition, an estimated 1.5 million yearling summer Chinook are scheduled for release into this zone over the next two weeks. The Yakama Tribal Program to re-establish coho runs into the Methow and Wenatchee Rivers Basins will continue over the next two weeks with the release of just over 1.0 million coho into the Methow, Wenatchee, and Mid-Columbia Rivers. Finally, just over 1.3 million summer steelhead are scheduled for release into this zone over the next two weeks.

**Lower Columbia Zone:** The Lower Columbia Zone is defined as the Columbia River and its tributaries from Bonneville Dam to McNary Dam. This week marked the end of several volitional releases of yearling Spring Chinook into this zone. These volitional releases totaled about 567,500

smolts and took place on both the Deschutes and Hood Rivers. In addition to these volitional releases, a release of approximately 210,000 yearling spring Chinook was scheduled from the Imeqes Acclimation Facility on the Umatilla River for April 19th. Approximately 169,368 summer steelhead were scheduled for release this week. Of these, approximately 70% will be volitionally released into the Klickitat and White Salmon Rivers through the month of May. The remaining 30% were scheduled for release into the Umatilla River. Finally, approximately 32,250 winter steelhead were scheduled for release this week. Of these, 22,500 will be released into the White Salmon River, while the remaining 9,750 were scheduled for release from Parkdale Acclimation Facility on Hood River.

Approximately 47,500 yearling spring Chinook are scheduled for release from acclimation facilities on Hood River over the next two weeks. An estimated 1.0 million coho are scheduled for release into the Klickitat River, beginning May 1st. Approximately 103,000 summer steelhead are scheduled for release over the next two weeks from acclimation facilities on the Umatilla River. Finally, about 39,000 winter steelhead will be released over the next two weeks from acclimation facilities along Hood River.

**Adult Fish Passage:** Traditional counts at Bonneville Dam began March 15th. Traditional counts allow the comparison of current year counts with historical data. The Dalles and John Day began video counts Feb 20th, while McNary, Ice Harbor, and Lower Granite began video counts on March 1st. Traditional counts for these dams began April 1st with the exception of Lower Granite Dam which began traditional counts on March 1st. The PUD dams in the Mid-Columbia River traditionally count adult fish beginning April 15th except Wells Dam which starts counting on May 1st.

Adult counts at Bonneville Dam have been updated through April 19th. Between March 15th and April 19th, 7,439 adult spring Chinook had passed Bonneville Dam; this compares to 278 spring Chinook adults over the same period last year. From March 15th through the April 19th

spring Chinook adults have been counted daily except for two days when no adults were counted. Daily passage numbers at Bonneville Dam have ranged between 368 and 1,643 adult spring Chinook in the last week. The 2007 spring Chinook count thus far is only about 13.8 percent of the 10-year average count. When the 2007 count of 7,439 is compared to the 2006 count of 278, it increased about 26.7 times. In 2006, the spring Chinook migration arrived much later than usual. It appears that the 2007 run may not be as late as the 2006 run, but is much later than observed for the ten year average timing. As of April 19th, 1,582 steelhead had passed the dam which is about 1.2 times the 2006 count of 1,323. The 2007 Bonneville steelhead of 1,582 count was 178 steelhead less than the 10-year average count of 1,760 as of April 19th.

At upriver sites, adult steelhead continue to move through the hydro system to reach their tributaries and spawning sites. The majority of these fish over-wintered in the pools and will complete their trip to the spawning grounds in March through early May. Daily counts at Lower Granite had ranged between 50 and 127 adult steelhead in the last week. The total steelhead count passing at Lower Granite Dam as of April 18th was 10,026 which was approximately 1.52 times greater than the 2006 count of 6,597 and 1.63 times greater than the 10-year average count of 6,138. As of April 18th, three spring Chinook adults had passed Lower Granite dam.

**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
04/06/07	142.9	0.0	140.6	0.0	150.9	10.5	152.2	0.9	155.2	0.0	186.0	42.9	192.4	36.0
04/07/07	131.3	0.0	132.7	0.0	139.4	2.2	138.9	0.0	144.9	0.0	160.8	20.0	157.7	0.0
04/08/07	99.5	0.0	104.2	0.0	139.5	0.6	139.6	0.0	146.2	0.0	131.5	3.0	136.4	0.0
04/09/07	141.2	0.0	142.3	0.0	135.3	0.0	142.5	0.0	141.4	0.0	157.3	0.0	159.4	0.0
04/10/07	135.4	0.0	130.3	0.0	136.2	0.0	133.9	0.0	140.4	0.0	154.5	0.0	157.5	0.0
04/11/07	131.7	0.0	140.3	0.0	151.7	13.2	149.3	10.0	150.1	0.0	137.5	4.8	141.3	0.0
04/12/07	136.3	0.0	130.1	0.0	140.9	23.4	142.7	7.8	148.6	0.0	155.8	5.3	162.3	0.0
04/13/07	153.8	0.0	151.3	0.0	158.4	19.9	154.7	5.0	158.5	0.0	168.4	12.6	157.2	0.0
04/14/07	135.7	0.0	147.3	0.0	161.2	41.9	166.3	14.4	172.3	0.0	182.4	23.5	184.1	9.3
04/15/07	111.0	0.0	103.7	0.0	131.3	9.7	133.9	0.0	140.8	0.0	160.7	0.0	165.3	0.1
04/16/07	155.3	0.0	166.5	0.0	165.9	17.1	151.6	4.6	151.2	0.0	145.5	0.0	158.5	0.0
04/17/07	141.2	0.0	136.6	0.0	152.1	13.4	153.0	3.9	160.4	16.6	171.8	10.8	162.4	0.0
04/18/07	151.5	0.0	156.4	0.0	163.3	32.0	158.9	12.3	158.4	16.5	159.9	13.8	163.5	0.0
04/19/07	148.2	0.0	150.8	0.0	162.3	15.8	160.8	8.8	164.8	15.8	175.9	26.0	174.5	12.3

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

Date	Dworshak		Brownlee Canyon		Hells Granite		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
04/06/07	2.3	0.0	12.7	9.7	34.4	20.1	31.6	9.5	32.6	19.1	34.3	24.0		
04/07/07	2.3	0.0	12.5	9.3	35.6	20.1	36.0	10.9	34.8	22.5	35.3	25.1		
04/08/07	2.4	0.0	13.4	10.1	39.0	20.1	37.1	11.1	38.6	26.4	40.3	30.1		
04/09/07	2.3	0.0	14.8	11.8	46.4	20.1	45.7	13.8	47.0	26.2	47.5	37.5		
04/10/07	2.3	0.0	13.9	10.2	50.9	20.1	51.4	15.6	52.4	26.4	56.9	46.7		
04/11/07	2.8	0.0	14.4	9.3	48.7	20.0	46.8	21.7	47.6	23.6	50.0	40.0		
04/12/07	7.7	0.0	14.0	10.5	50.1	20.0	46.5	14.0	49.2	26.6	50.4	31.6		
04/13/07	7.5	0.0	15.6	12.6	50.0	20.0	49.6	13.4	49.9	26.7	52.3	42.2		
04/14/07	5.5	0.0	14.1	11.9	47.2	19.8	45.2	13.8	47.5	23.2	49.5	39.5		
04/15/07	5.5	0.0	13.5	12.2	45.2	20.0	42.7	12.9	44.3	29.6	45.5	35.5		
04/16/07	5.7	0.0	13.8	14.0	49.5	20.0	48.5	14.4	49.2	29.6	50.2	40.0		
04/17/07	5.8	0.0	11.9	12.0	48.1	19.9	46.7	14.2	51.1	28.2	53.1	43.0		
04/18/07	5.8	0.0	14.3	11.2	46.5	20.0	42.1	12.5	40.9	24.2	40.3	30.1		
04/19/07	7.2	0.0	---	---	47.8	20.0	46.7	14.0	48.2	25.5	50.5	40.4		

**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		
04/06/07	235.9	60.5	227.4	11.7	230.6	0.0	242.0	18.0	78.7	133.9
04/07/07	193.0	25.8	211.4	0.0	209.3	0.0	223.7	1.6	78.1	132.6
04/08/07	194.3	26.7	198.9	0.0	197.3	0.0	210.6	1.6	77.1	120.4
04/09/07	189.7	33.1	190.8	0.0	192.8	0.0	210.2	1.7	77.0	120.0
04/10/07	221.5	89.1	212.9	47.3	207.3	82.0	240.5	98.9	41.8	88.3
04/11/07	219.5	88.3	233.8	47.0	227.6	90.9	247.9	100.3	55.3	80.8
04/12/07	216.1	86.1	193.9	46.8	185.0	74.2	205.2	100.3	14.5	78.9
04/13/07	223.5	89.1	246.2	50.7	245.1	98.1	266.9	100.5	67.5	86.6
04/14/07	234.7	93.8	214.7	49.8	207.7	83.3	219.5	101.1	24.9	82.0
04/15/07	223.9	90.1	229.6	54.5	230.4	94.5	255.7	100.4	65.5	78.3
04/16/07	231.3	92.8	219.9	60.4	210.2	84.1	211.5	100.9	53.4	45.6
04/17/07	229.6	92.4	224.0	71.0	226.2	90.8	251.6	98.9	46.6	94.6
04/18/07	222.4	89.8	215.8	63.3	208.7	83.6	230.6	97.7	26.8	94.7
04/19/07	231.2	92.5	217.0	63.3	211.8	83.8	222.9	98.9	20.4	92.1

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

Site	Date	Species	Number of Fish	Number w GBT signs	Number w Fin Signs	% Fin GBT	% Severe Fin GBT	Number of Fish with Fin GBT Listed by Highest Rank			
								Rank 1	Rank 2	Rank 3	Rank 4
<b>Lower Granite Dam</b>											
	04/10/07	Chinook + Steelhead	60	0	0	0.00%	0.00%	0	0	0	0
<b>Little Goose Dam</b>											
	04/11/07	Chinook + Steelhead	100	3	3	3.00%	0.00%	3	0	0	0
	04/17/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
<b>Lower Monumental Dam</b>											
	04/09/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	04/16/07	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0
<b>McNary Dam</b>											
	04/12/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	04/16/07	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
<b>Bonneville Dam</b>											
	04/10/07	Chinook + Steelhead	89	2	2	2.24%	0.00%	1	1	0	0
<b>Rock Island Dam</b>											
	04/16/07	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0

# HATCHERY RELEASE LAST TWO WEEKS

## Hatchery Release Summary

**From:** 4/6/2007 **to** 04/19/07

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Colville Tribe	Cassimer Bar Hatchery	ST	SU	2007	9,000	04-14-07	04-14-07	Omak Creek	Okanogan River
Colville Tribe	Cassimer Bar Hatchery	ST	SU	2007	9,874	04-13-07	04-13-07	Omak Creek	Okanogan River
<b>Colville Tribe Total</b>					<b>18,874</b>				
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2007	100,329	04-15-07	04-17-07	Red River Crooked R Acclim	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2007	151,296	04-12-07	04-13-07	Pond Redhouse (SFk	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2007	272,819	04-13-07	04-17-07	ClearH20 R)	S Fk Clearwater River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	41,136	04-18-07	04-18-07	Slate Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	59,567	04-09-07	04-10-07	Squaw Cr Acclim Pond	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	63,597	04-09-07	04-10-07	Squaw Cr Acclim Pond	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	80,000	04-19-07	04-23-07	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	129,930	04-12-07	04-16-07	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	165,473	04-16-07	04-17-07	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	215,170	04-10-07	04-12-07	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2007	170,000	04-05-07	04-26-07	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2007	830,000	04-06-07	04-27-07	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Pahsimeroi Hatchery	CH1	SU	2007	985,500	04-15-07	04-15-07	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2007	2,498,482	03-15-07	04-27-07	Rapid River	Little Salmon River
Idaho Dept. of Fish and Game	Sawtooth Hatchery	CH1	SP	2007	995,262	04-11-07	04-11-07	Salmon River (ID)	Salmon River (ID)
<b>Idaho Dept. of Fish and Game Total</b>					<b>6,758,561</b>				
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2007	28,050	04-17-07	04-17-07	Meadow Creek - CLES	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2007	28,338	04-17-07	04-17-07	Mill Cr Bridge	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2007	52,415	04-19-07	04-19-07	Lolo Creek Crooked R Acclim	Clearwater River M F
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2007	83,811	04-15-07	04-17-07	Pond	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2007	151,317	04-15-07	04-17-07	Red River	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	CO	UN	2007	278,500	04-12-07	04-12-07	Clear Creek	Clearwater River M F
Nez Perce Tribe	Dworshak NFH	ST	SU	2007	110,000	04-10-07	04-10-07	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2007	110,000	04-11-07	04-11-07	American River	S Fk Clearwater River
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2007	136,000	03-28-07	04-17-07	Lostine Accim Pond Pittsburg Landing	Wallowa River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2007	147,500	04-16-07	04-17-07	Acclim Pond Big Canyon (Clearwater	Snake River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2007	156,000	04-18-07	04-19-07	River)	Clearwater River M F
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2007	158,000	04-10-07	04-12-07	Cpt John Acclim Pond	Snake River
Nez Perce Tribe	Nez Perce Tribal Hatchery	CO	UN	2008	30,000	04-01-07	04-30-07	Orofino Creek	Clearwater River M F
<b>Nez Perce Tribe Total</b>					<b>1,469,931</b>				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2007	100,000	04-09-07	04-11-07	Big Sheep Creek	Imnaha River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2007	165,000	04-10-07	05-01-07	Little Sheep Creek	Imnaha River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2007	200,000	04-11-07	04-12-07	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2007	360,000	04-08-07	04-09-07	Wallowa Acclim Pond	Wallowa River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2007	123,769	03-31-07	04-12-07	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Lookingglass Hatchery	CH1	SP	2007	308,803	03-21-07	04-12-07	Imnaha Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	ST	SU	2007	162,000	04-08-07	04-08-07	Deschutes River	Deschutes River
Oregon Dept. of Fish and Wildlife	Umatilla Hatchery	ST	SU	2007	50,000	04-16-07	04-16-07	Meacham Creek	Umatilla River
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>1,469,572</b>				
U.S. Fish and Wildlife Service	Carson NFH	CH1	SP	2007	1,159,000	04-12-07	04-12-07	Carson Hatchery	Wind River
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2007	300,000	04-09-07	04-12-07	Clear Creek	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2007	390,000	04-09-07	04-12-07	S Fk Clearwater River	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2007	1,200,000	04-16-07	04-19-07	Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Entiat Hatchery	CH1	SP	2007	363,468	04-13-07	04-13-07	Entiat Hatchery	Entiat River
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2007	756,000	04-09-07	04-27-07	Salmon River (ID)	Salmon River (ID)
U.S. Fish and Wildlife Service	Leavenworth NFH	CH1	SP	2007	1,177,568	04-18-07	04-18-07	Icicle Creek Little White Salmon	Wenatchee River Little White Salmon
U.S. Fish and Wildlife Service	Little White Salmon NFH	CH1	SP	2007	1,000,000	04-12-07	04-12-07	River	River
U.S. Fish and Wildlife Service	Spring Creek NFH	CH0	FA	2007	4,210,514	04-12-07	04-12-07	White Salmon River Warm Springs	White Salmon River
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2007	520,000	03-21-07	04-18-07	Hatchery	Deschutes River
U.S. Fish and Wildlife Service	Winthrop NFH	CH1	SP	2007	589,693	04-11-07	04-11-07	Winthrop Hatchery	Methow River
<b>U.S. Fish and Wildlife Service Total</b>					<b>11,666,243</b>				



# HATCHERY RELEASE LAST TWO WEEKS (con't)

From: 4/6/2007 to 04/19/07

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Umatilla Tribe	Cascade Hatchery	CO	UN	2007	750,000	04-10-07	04-10-07	Pendelton Acclim Pond Catherine Cr Acclim	Umatilla River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2007	21,572	03-26-07	04-11-07	Pond Catherine Cr Acclim	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2007	49,696	03-26-07	04-11-07	Pond Grande Ronde Acclim	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2007	118,803	04-02-07	04-11-07	Pond	Grande Ronde River
Umatilla Tribe	Willard Hatchery	CH1	SP	2007	210,000	04-19-07	04-19-07	Imequas Acclim Pond	Umatilla River
<b>Umatilla Tribe Total</b>					<b>1,150,071</b>				
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2007	9,750	04-19-07	04-25-07	Parkdale Acclim Pond Jones Creek Acclim	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2007	20,000	04-10-07	04-16-07	Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2007	27,500	04-10-07	04-16-07	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2007	32,000	03-22-07	05-04-07	Parkdale Acclim Pond	Hood River
<b>Warm Springs Tribe Total</b>					<b>89,250</b>				
Washington Dept. of Fish and Wildlife	Chelan Hatchery	CH1	SP	2007	493,000	04-16-07	05-04-07	Chiwawa Hatchery	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2007	276,572	04-18-07	05-16-07	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2007	59,000	04-18-07	04-20-07	Baileysburg Bridge	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2007	62,000	04-16-07	04-18-07	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2007	104,000	04-16-07	04-18-07	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2007	104,000	04-16-07	04-18-07	Walla Walla River Cottonwood Acclim	Walla Walla River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2007	167,000	04-09-07	04-13-07	Pond	Grande Ronde River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2007	27,000	04-16-07	04-18-07	Twisp Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2007	157,000	04-16-07	04-18-07	Methow River	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2007	233,000	04-16-07	04-18-07	Chewuch Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SU	2007	264,000	04-16-07	05-01-07	Methow River Ringold Springs	Methow River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	ST	SU	2007	300,000	04-09-07	04-27-07	Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	SU	2007	26,684	04-15-07	05-10-07	White Salmon River	White Salmon River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	SU	2007	92,684	04-15-07	05-10-07	Klickitat River	Klickitat River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	WI	2007	22,500	04-15-07	05-10-07	White Salmon River	White Salmon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2007	86,000	04-03-07	04-23-07	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2007	111,000	04-03-07	04-23-07	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	ST	SU	2007	62,964	04-03-07	04-15-07	Tucannon River	Tucannon River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>2,648,404</b>				
Yakama Tribe	Cascade Hatchery	CO	UN	2007	247,189	04-17-07	04-17-07	Icicle Creek	Wenatchee River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2007	281,176	03-15-07	05-15-07	Easton Pond	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2007	287,645	03-15-07	05-15-07	Clark Flat Acclim Pond Jack Creek Acclim	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2007	291,991	03-15-07	05-15-07	Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2007	25,000	04-02-07	04-18-07	Yakama River	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2007	150,000	04-02-07	04-18-07	Yakama River	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2007	550,000	04-16-07	04-16-07	Prosser Acclim Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2007	30,382	04-02-07	04-18-07	Yakama River	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2007	40,000	04-02-07	04-18-07	Yakama River	Yakima River
Yakama Tribe	Willard Hatchery	CO	UN	2007	368,576	04-17-07	04-17-07	Icicle Creek	Wenatchee River
Yakama Tribe	Winthrop NFH	CO	UN	2007	270,349	04-19-07	04-27-07	Winthrop Hatchery	Methow River
Yakama Tribe	Yakama Hatchery	CH0	FA	2007	20,000	04-16-07	04-16-07	Marion Drain	Yakima River
<b>Yakama Tribe Total</b>					<b>2,562,308</b>				
<b>Grand Total</b>					<b>27,833,214</b>				

**HATCHERY RELEASE NEXT TWO WEEKS**

From: 4/20/2007 to 5/3/2007

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Colville Tribe	Eastbank Hatchery	CH1	SU	2007	8,000	04-20-07	04-20-07	Bonaparte Acclimation Pond	Okanogan River
<b>Colville Tribe Total</b>					<b>8,000</b>				
Idaho Dept. of Fish and Game	Eagle Hatchery	CH1	SP	2007	35	05-02-07	05-02-07	Yankee Fk (Salmon R)	Salmon River (ID)
Idaho Dept. of Fish and Game	Eagle Hatchery	CH1	SP	2007	45	05-02-07	05-02-07	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	30,000	04-20-07	04-20-07	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	50,000	04-30-07	04-30-07	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	50,000	05-03-07	05-03-07	Valley Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	60,000	04-23-07	04-26-07	Squaw Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	60,000	05-01-07	05-03-07	Slate Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	80,000	04-19-07	04-23-07	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	85,000	04-24-07	04-27-07	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	90,000	05-01-07	05-03-07	Yankee Fk (Salmon R)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	120,000	04-23-07	04-26-07	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	125,000	04-23-07	04-26-07	Squaw Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2007	220,000	04-23-07	04-26-07	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2007	170,000	04-05-07	04-26-07	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2007	830,000	04-06-07	04-27-07	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Oxbow-Idaho	CH0	FA	2007	110,000	05-01-07	05-01-07	Hells Canyon Dam	Snake River
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2007	2,498,482	03-15-07	04-27-07	Rapid River	Little Salmon River
<b>Idaho Dept. of Fish and Game Total</b>					<b>4,578,562</b>				
Nez Perce Tribe	Nez Perce Tribal Hatchery	CO	UN	2008	30,000	04-01-07	04-30-07	Orofino Creek	Clearwater River M F
<b>Nez Perce Tribe Total</b>					<b>30,000</b>				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2007	100,000	05-01-07	05-11-07	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2007	120,000	04-28-07	05-10-07	Wallowa Acclim Pond	Wallowa River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2007	165,000	04-10-07	05-01-07	Little Sheep Creek	Imnaha River
<b>Oregon Dept. of Fish and Wildlife Total</b>					<b>385,000</b>				
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2007	100,000	04-27-07	05-01-07	East Fk Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2007	244,000	05-01-07	05-08-07	Yankee Fk (Salmon R)	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2007	756,000	04-09-07	04-27-07	Salmon River (ID)	Salmon River (ID)
U.S. Fish and Wildlife Service	Winthrop NFH	ST	SU	2007	122,000	04-27-07	04-27-07	Winthrop Hatchery	Methow River
<b>U.S. Fish and Wildlife Service Total</b>					<b>1,222,000</b>				
Umatilla Tribe	Umatilla Hatchery	ST	SU	2007	50,000	04-20-07	04-20-07	Minthorn Acclimation Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2007	53,000	04-20-07	04-20-07	Pendelton Acclim Pond	Umatilla River
<b>Umatilla Tribe Total</b>					<b>103,000</b>				
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2007	9,750	04-19-07	04-25-07	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2007	9,750	05-03-07	05-16-07	Parkdale Acclim Pond E Fk Irrig Dist Sand	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2007	19,500	04-20-07	05-15-07	Trap Jones Creek Acclim	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2007	20,000	04-24-07	05-07-07	Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2007	27,500	04-24-07	05-08-07	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2007	32,000	03-22-07	05-04-07	Parkdale Acclim Pond	Hood River
<b>Warm Springs Tribe Total</b>					<b>118,500</b>				

## HATCHERY RELEASE NEXT TWO WEEKS (cont'd)

From: **4/20/2007** to **5/3/2007**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Washington Dept. of Fish and Wildlife	Chelan Hatchery	CH1	SP	2007	493,000	04-16-07	05-04-07	Chiwawa Hatchery	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2007	276,572	04-18-07	05-16-07	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2007	704,000	04-23-07	04-23-07	Dryden Acclim Pond	Wenatchee River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2007	59,000	04-18-07	04-20-07	Baileysburg Bridge	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2007	88,000	04-23-07	04-27-07	Dayton Acclim Pond	Touchet River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SU	2007	264,000	04-16-07	05-01-07	Methow River Ringold Springs	Methow River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	ST	SU	2007	300,000	04-09-07	04-27-07	Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	SU	2007	26,684	04-15-07	05-10-07	White Salmon River	White Salmon River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	SU	2007	92,684	04-15-07	05-10-07	Klickitat River	Klickitat River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	WI	2007	22,500	04-15-07	05-10-07	White Salmon River	White Salmon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2007	86,000	04-03-07	04-23-07	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2007	111,000	04-03-07	04-23-07	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	CH1	SU	2007	204,000	04-23-07	04-23-07	Turtle Rock Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2007	36,000	04-23-07	04-27-07	Wenatchee River	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2007	95,000	04-23-07	04-27-07	Nason Creek	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2007	109,000	04-23-07	04-27-07	Wenatchee River	Wenatchee River
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH1	SU	2007	358,000	04-23-07	05-07-07	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2007	100,000	04-23-07	05-15-07	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2007	122,500	04-23-07	05-15-07	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2007	122,500	04-23-07	05-15-07	Methow River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2007	150,000	04-23-07	05-15-07	Okanogan River	Okanogan River
<b>Washington Dept. of Fish and Wildlife Total</b>					<b>3,820,440</b>				
Yakama Tribe	Cascade Hatchery	CO	UN	2007	70,015	04-22-07	04-22-07	Winthrop Hatchery	Methow River
Yakama Tribe	Cascade Hatchery	CO	UN	2007	70,035	05-01-07	05-01-07	Nason Creek	Wenatchee River
Yakama Tribe	Cascade Hatchery	CO	UN	2007	70,048	04-25-07	04-25-07	Nason Creek	Wenatchee River
Yakama Tribe	Cascade Hatchery	CO	UN	2007	140,157	04-25-07	04-25-07	Wells Hatchery	Mid-Columbia River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2007	281,176	03-15-07	05-15-07	Easton Pond	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2007	287,645	03-15-07	05-15-07	Clark Flat Acclim Pond Jack Creek Acclim	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2007	291,991	03-15-07	05-15-07	Pond	Yakima River
Yakama Tribe	Klickitat Hatchery	CO	NO	2007	1,000,000	05-01-07	05-15-07	Klickitat Hatchery	Klickitat River
Yakama Tribe	Little White Salmon NFH	CH0	FA	2007	1,200,000	04-27-07	04-27-07	Prosser Acclim Pond	Yakima River
Yakama Tribe	Willard Hatchery	CO	UN	2007	32,331	04-25-07	04-25-07	Nason Creek	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2007	34,585	04-25-07	04-25-07	Nason Creek	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2007	85,599	05-01-07	05-01-07	Nason Creek	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2007	239,859	05-01-07	05-01-07	Wenatchee River	Wenatchee River
Yakama Tribe	Winthrop NFH	CO	UN	2007	270,349	04-19-07	04-27-07	Winthrop Hatchery	Methow River
<b>Yakama Tribe Total</b>					<b>4,073,790</b>				
<b>Grand Total</b>					<b>14,339,292</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>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
4/6	97	97	97	24	112	114	114	24	107	107	108	24	103	104	105	24	103	104	104	24
4/7	98	98	98	24	116	118	118	24	108	109	110	24	105	105	107	24	105	105	106	24
4/8	98	98	99	24	111	113	115	24	109	109	109	24	105	106	108	24	105	105	106	15
4/9	99	99	99	24	114	116	119	24	108	109	109	24	106	107	108	24	106	106	106	18
4/10	98	98	98	24	114	116	117	24	107	107	109	24	105	105	106	24	105	106	106	23
4/11	98	98	98	24	113	116	117	24	108	109	109	24	105	106	107	24	105	105	105	24
4/12	98	98	98	24	111	114	115	24	108	109	109	24	106	106	106	24	105	105	106	24
4/13	97	98	98	24	112	114	115	24	108	108	109	24	106	106	107	24	105	105	106	24
4/14	98	98	99	24	110	111	113	24	109	110	110	24	106	107	108	24	106	106	106	24
4/15	97	98	98	24	111	114	117	24	108	108	109	24	106	107	107	24	105	106	106	24
4/16	98	98	98	24	112	116	117	24	109	109	110	24	107	107	108	24	106	106	107	24
4/17	98	99	99	24	110	113	116	24	110	110	111	24	108	108	109	24	107	107	108	24
4/18	98	99	99	24	111	113	115	24	109	110	110	24	108	108	109	24	107	107	107	24
4/19	98	98	98	24	109	111	112	24	110	110	110	24	108	109	109	24	107	107	108	24

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

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. Tlwr</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
4/6	103	104	104	24	103	103	103	24	106	110	120	24	---	---	---	0	---	---	---	0
4/7	105	105	106	24	104	104	105	24	104	105	107	24	---	---	---	0	---	---	---	0
4/8	106	107	107	24	105	105	105	24	105	106	112	24	---	---	---	0	---	---	---	0
4/9	106	106	108	24	105	105	105	24	105	105	105	24	---	---	---	0	---	---	---	0
4/10	105	106	108	24	103	104	104	24	104	104	104	24	---	---	---	0	---	---	---	0
4/11	105	105	106	24	104	105	105	24	107	110	114	24	105	105	105	15	105	106	113	15
4/12	105	105	106	24	104	105	105	24	110	112	116	24	105	105	107	24	105	107	111	24
4/13	105	105	106	24	104	104	104	24	108	110	115	24	108	109	109	24	109	109	111	24
4/14	105	106	107	24	105	105	105	24	113	117	119	24	110	111	112	24	110	112	114	24
4/15	106	107	108	24	104	104	105	24	106	106	108	24	112	113	114	24	112	113	114	24
4/16	105	106	106	24	105	105	106	23	108	109	122	23	110	112	114	24	110	111	114	24
4/17	106	107	108	24	105	105	105	9	110	110	122	9	107	108	108	24	108	108	112	24
4/18	106	106	107	24	---	---	---	0	---	---	---	0	109	110	111	24	110	111	112	24
4/19	107	107	107	24	---	---	---	0	---	---	---	0	110	111	113	24	110	112	116	24

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

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>				
4/6	---	---	---	0	---	---	---	0	108	109	111	24	116	116	119	24	118	120	124	24
4/7	---	---	---	0	---	---	---	0	110	111	112	24	114	114	114	24	115	116	117	24
4/8	---	---	---	0	---	---	---	0	110	110	111	24	111	112	113	24	113	114	114	24
4/9	---	---	---	0	---	---	---	0	109	109	110	24	111	111	112	24	109	111	112	24
4/10	---	---	---	0	---	---	---	0	107	107	108	24	107	108	109	24	108	108	109	24
4/11	105	105	106	15	105	105	107	15	105	106	106	24	105	105	106	24	106	107	107	24
4/12	106	108	111	24	106	107	110	24	105	105	106	24	108	108	116	10	106	108	113	24
4/13	108	110	110	24	108	110	110	24	104	104	104	24	105	105	106	16	105	105	106	24
4/14	111	112	114	24	111	112	114	24	104	104	105	24	106	107	108	24	106	107	108	24
4/15	109	112	114	24	109	112	114	24	104	105	106	24	106	107	107	24	106	106	106	24
4/16	111	112	113	24	111	113	113	24	105	107	108	24	109	109	110	24	107	108	109	24
4/17	108	109	111	24	111	112	113	24	107	108	109	24	111	112	118	24	110	111	114	24
4/18	109	110	112	24	111	113	114	24	---	---	---	0	---	---	---	0	---	---	---	0
4/19	109	110	111	24	112	112	114	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
4/6	118	119	121	24	113	115	115	24	97	98	99	24	102	103	104	24	102	103	105	24
4/7	115	115	115	24	114	115	116	23	98	99	101	24	102	103	104	23	102	103	105	23
4/8	112	113	113	24	111	111	112	24	99	100	101	24	101	102	103	24	102	103	104	24
4/9	109	110	111	24	107	109	111	24	98	98	98	24	101	101	102	24	101	102	103	24
4/10	108	108	109	24	105	106	106	24	96	96	97	24	100	101	101	24	101	102	103	24
4/11	106	106	107	24	107	107	108	24	97	99	103	24	101	102	103	24	102	103	105	24
4/12	105	107	110	24	105	105	106	24	96	96	96	19	100	100	102	19	102	102	103	24
4/13	104	105	105	24	105	106	107	24	95	95	96	12	---	---	---	0	102	103	105	24
4/14	106	106	107	24	104	105	105	24	96	96	97	23	---	---	---	0	102	103	103	24
4/15	105	105	106	24	104	105	106	24	95	95	96	8	100	100	100	24	101	102	103	24
4/16	107	108	108	24	105	105	106	24	101	102	103	18	101	102	103	24	102	103	104	24
4/17	109	110	113	24	106	108	108	24	102	102	102	24	102	102	102	24	102	102	103	24
4/18	---	---	---	0	107	108	109	24	102	102	103	24	101	101	102	24	102	102	104	24
4/19	---	---	---	0	106	107	108	24	98	99	102	24	100	101	102	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
4/6	103	105	107	24	100	101	101	24	112	112	112	24	103	103	103	24	108	109	110	24
4/7	103	105	107	23	102	102	103	23	112	112	113	24	103	104	104	23	109	109	110	24
4/8	102	104	106	24	103	103	105	24	112	112	112	24	105	105	106	24	109	110	110	24
4/9	101	103	104	24	103	103	103	24	111	112	113	24	107	107	107	24	111	112	114	24
4/10	100	102	103	24	102	102	102	24	111	111	112	24	107	107	107	24	112	113	114	24
4/11	102	104	106	24	102	102	102	24	111	111	113	24	107	107	108	24	115	118	122	24
4/12	101	102	103	19	100	101	102	24	111	111	112	24	106	107	107	24	112	113	115	24
4/13	101	104	105	24	99	100	100	24	110	110	111	24	106	106	106	24	112	114	114	24
4/14	101	102	104	24	100	100	101	24	110	110	111	24	108	108	109	24	113	114	114	24
4/15	101	102	104	24	100	100	101	24	110	111	111	24	107	108	108	24	111	112	112	24
4/16	101	103	105	24	101	101	101	24	110	111	111	24	108	108	109	24	114	114	115	24
4/17	102	103	104	24	102	102	102	24	111	112	113	24	108	109	109	24	114	114	115	24
4/18	101	102	103	24	102	102	102	24	111	112	113	24	108	108	108	24	112	113	114	24
4/19	102	104	105	24	102	102	102	24	111	112	113	24	107	108	108	24	113	113	114	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
4/6	106	107	109	24	114	116	117	24	104	106	108	24	112	113	114	24	---	---	---	0
4/7	110	111	112	23	115	116	116	24	110	112	113	24	113	114	114	24	---	---	---	0
4/8	111	111	112	24	117	117	117	24	114	115	117	24	114	115	115	24	---	---	---	0
4/9	110	111	111	24	116	116	117	24	114	115	116	24	113	114	115	24	---	---	---	0
4/10	107	107	108	24	116	116	117	24	111	111	112	24	114	115	115	24	---	---	---	0
4/11	107	107	108	24	115	116	117	24	111	111	111	24	113	114	114	24	---	---	---	0
4/12	107	107	107	24	117	118	118	24	111	111	112	24	112	113	113	24	---	---	---	0
4/13	109	110	111	24	119	120	124	24	113	114	115	24	114	115	116	24	---	---	---	0
4/14	112	112	113	24	118	120	121	24	114	114	115	24	114	115	116	24	---	---	---	0
4/15	110	110	111	24	120	120	120	24	114	114	114	24	113	114	115	24	---	---	---	0
4/16	110	110	111	24	119	120	120	24	115	116	116	24	113	113	114	24	---	---	---	0
4/17	111	111	111	24	119	120	120	24	115	115	116	24	114	114	115	24	---	---	---	0
4/18	111	111	111	24	118	119	120	24	115	115	116	24	113	114	115	24	---	---	---	0
4/19	110	111	111	24	119	120	120	24	114	114	115	24	114	115	115	24	---	---	---	0

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

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

Date	<u>McNary-Wash</u>			#	<u>McNary Tlwr</u>			#	<u>John Day</u>			#	<u>John Day Tlwr</u>			#	<u>The Dalles</u>			#
	<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>	
4/6	115	116	117	24	115	116	117	24	109	110	111	24	111	112	113	24	109	109	109	24
4/7	116	116	116	23	118	119	120	24	112	112	113	24	112	113	113	24	110	110	110	24
4/8	115	115	115	24	118	119	120	24	113	114	114	24	113	113	113	24	111	112	112	24
4/9	113	115	116	24	116	117	118	24	112	113	114	24	111	112	113	24	110	111	112	24
4/10	107	108	109	23	116	117	117	24	110	110	111	24	114	118	119	24	109	110	112	24
4/11	106	107	107	23	119	122	122	24	109	110	110	24	114	119	120	24	111	113	113	24
4/12	106	106	107	24	114	115	115	24	108	109	109	24	113	118	119	24	110	111	111	24
4/13	107	107	108	24	115	117	118	24	107	107	108	24	113	118	119	24	110	111	112	24
4/14	107	107	108	24	114	115	117	24	107	107	107	24	112	118	119	24	109	110	112	24
4/15	106	106	107	24	115	117	117	24	106	106	107	24	112	117	118	24	108	110	111	24
4/16	106	107	107	24	115	115	116	24	107	108	108	24	112	117	118	24	110	113	114	24
4/17	107	107	107	24	114	115	115	24	107	108	108	24	113	118	118	24	111	114	115	24
4/18	107	107	107	15	114	115	115	24	107	108	108	24	112	117	118	24	109	111	112	24
4/19	107	107	108	24	114	114	116	24	107	108	109	24	113	118	121	24	110	113	115	24

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

Date	<u>The Dalles Dnst</u>			#	<u>Bonneville</u>			#	<u>Warrendale</u>			#	<u>CamasWashougal</u>			#	<u>Cascade Island</u>			#
	<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24 h</u>	<u>12 h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>		<u>24h</u>	<u>12h</u>	<u>High</u>	
4/6	109	109	110	24	107	108	109	24	108	108	109	24	108	109	109	24	112	113	114	24
4/7	110	110	110	24	109	110	110	24	109	109	110	24	108	108	109	24	111	112	113	24
4/8	111	111	111	24	108	109	109	24	109	109	109	24	109	110	111	24	112	112	113	24
4/9	110	110	111	24	107	108	109	24	107	108	109	24	107	107	109	24	111	113	114	24
4/10	113	114	116	24	107	108	109	24	111	112	113	24	107	110	112	24	117	118	118	24
4/11	116	116	117	24	110	111	112	24	113	113	114	24	110	110	111	24	118	119	119	24
4/12	114	114	115	24	112	113	113	24	115	116	116	24	111	112	113	24	117	118	118	24
4/13	115	115	116	24	112	112	113	24	114	115	115	24	114	114	115	24	119	119	120	24
4/14	113	114	115	24	114	115	115	24	116	116	117	24	114	114	114	24	118	118	118	24
4/15	113	114	115	24	110	110	111	24	113	113	114	24	113	114	114	24	118	118	119	24
4/16	114	115	116	24	111	112	112	24	114	114	115	24	112	113	113	24	117	118	118	24
4/17	114	115	116	24	112	112	112	24	114	115	115	24	113	113	114	24	118	118	118	24
4/18	113	114	116	24	110	111	111	24	114	114	115	24	112	113	113	24	117	118	118	24
4/19	114	115	118	24	111	112	112	24	115	116	117	24	113	115	116	24	117	118	118	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/currentsmpsubmitdata.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)
04/06/2007 *	591	4,062	30	9	3,896	0	0	15	---	1,928	771
04/07/2007 *	654	5,824	32	6	3,606	0	0	4	25	2,225	823
04/08/2007 *	842	5,247	32	6	4,550	0	1,064	7	---	1,923	869
04/09/2007 *	1,232	13,951	63	4	7,934	9	0	7	293	1,857	718
04/10/2007 *	1,527	13,492	606	8	9,645	0	0	13	---	1,653	588
04/11/2007 *	1,269	6,338	1,746	18	10,745	109	1,316	13	1,757	2,449	1,084
04/12/2007 *	906	1,783	918	12	13,546	0	0	8	---	3,427	1,123
04/13/2007 *	990	694	456	49	15,731	0	0	18	7,642	2,493	1,996
04/14/2007 *	773	642	218	135	22,681	97	3,144	292	---	3,773	21,782
04/15/2007 *	1,044	664	214	30	37,340	0	0	622	15,297	5,743	41,550
04/16/2007 *	1,419	868	423	10	21,879	321	0	480	---	7,445	34,033
04/17/2007 *	1,017	341	716	15	38,727	795	890	393	13,463	11,596	28,375
04/18/2007 *	1,365	761	302	21	36,428	372	0	142	---	14,855	24,549
04/19/2007 *	1,535	---	367	31	50,159	3,362	0	124	14,564	14,242	9,000
04/20/2007	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	<b>15,164</b>	<b>54,667</b>	<b>6,123</b>	<b>354</b>	<b>276,867</b>	<b>5,065</b>	<b>6,414</b>	<b>2,138</b>	<b>53,041</b>	<b>75,609</b>	<b>167,261</b>
<b># Days:</b>	<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>1,083</b>	<b>4,205</b>	<b>437</b>	<b>25</b>	<b>19,776</b>	<b>362</b>	<b>458</b>	<b>153</b>	<b>7,577</b>	<b>5,401</b>	<b>11,947</b>
<b>YTD</b>	<b>29,641</b>	<b>75,750</b>	<b>9,722</b>	<b>413</b>	<b>287,974</b>	<b>5,069</b>	<b>6,785</b>	<b>2,194</b>	<b>53,041</b>	<b>83,653</b>	<b>188,454</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)
04/06/2007 *	0	0	0	1	0	0	0	6	---	6	227
04/07/2007 *	0	1	0	1	73	0	0	1	76	0	204
04/08/2007 *	0	30	0	0	0	0	0	4	---	0	158
04/09/2007 *	0	0	0	0	0	0	0	3	23	0	68
04/10/2007 *	0	16	0	0	0	0	0	8	---	6	65
04/11/2007 *	0	1	0	3	247	0	0	5	0	6	260
04/12/2007 *	0	0	0	0	155	0	0	13	---	0	187
04/13/2007 *	0	1	0	1	0	0	0	18	34	38	9,708
04/14/2007 *	0	3	0	0	0	1	0	6	---	13	262,393
04/15/2007 *	0	0	0	0	531	0	0	11	25	17	47,845
04/16/2007 *	0	0	0	0	0	0	0	3	---	0	12,803
04/17/2007 *	0	0	0	1	84	0	0	23	0	0	5,479
04/18/2007 *	0	0	0	0	0	1	0	20	---	0	2,560
04/19/2007 *	0	---	0	2	0	0	0	20	0	0	868
04/20/2007	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>9</b>	<b>1,090</b>	<b>2</b>	<b>0</b>	<b>141</b>	<b>158</b>	<b>86</b>	<b>342,825</b>
<b># Days:</b>	<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>78</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>23</b>	<b>6</b>	<b>24,488</b>
<b>YTD</b>	<b>0</b>	<b>53</b>	<b>0</b>	<b>29</b>	<b>1,241</b>	<b>2</b>	<b>0</b>	<b>182</b>	<b>158</b>	<b>86</b>	<b>1,419,393</b>

## Two-Week Summary of Passage Indices

COMBINED COHO												
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)	
04/06/2007	*	0	0	0	0	23	0	0	1	---	0	1,112
04/07/2007	*	0	0	0	0	24	0	0	3	0	15	1,106
04/08/2007	*	0	0	0	0	0	0	0	3	---	0	1,515
04/09/2007	*	0	0	0	0	20	0	0	0	0	0	1,217
04/10/2007	*	0	0	0	0	18	0	0	3	---	6	1,321
04/11/2007	*	0	0	0	0	33	0	0	5	31	13	2,416
04/12/2007	*	0	0	0	0	121	0	0	9	---	6	3,966
04/13/2007	*	0	0	0	1	33	0	0	3	12	25	3,867
04/14/2007	*	0	0	0	4	131	3	0	0	---	7	3,777
04/15/2007	*	0	0	0	1	0	0	0	6	8	35	840
04/16/2007	*	0	0	0	1	89	0	0	3	---	13	3,889
04/17/2007	*	0	0	0	0	335	6	2	0	24	36	2,544
04/18/2007	*	0	0	0	2	266	6	0	0	---	75	5,643
04/19/2007	*	0	---	0	0	171	100	0	64	25	70	3,243
04/20/2007		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
<b>Total:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>1,264</b>	<b>115</b>	<b>2</b>	<b>100</b>	<b>100</b>	<b>301</b>	<b>36,456</b>
<b># Days:</b>		<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>90</b>	<b>8</b>	<b>0</b>	<b>7</b>	<b>14</b>	<b>22</b>	<b>2,604</b>
<b>YTD</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>1,424</b>	<b>115</b>	<b>2</b>	<b>106</b>	<b>100</b>	<b>319</b>	<b>37,305</b>

COMBINED STEELHEAD												
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)	
04/06/2007	*	46	15	1	3	352	0	0	1	---	171	122
04/07/2007	*	67	6	0	4	532	0	0	1	165	305	145
04/08/2007	*	74	15	0	8	468	0	29	1	---	255	184
04/09/2007	*	87	56	0	4	487	46	0	0	467	256	212
04/10/2007	*	40	206	2	41	494	0	0	7	---	221	443
04/11/2007	*	63	397	19	25	1,397	35	48	7	981	452	485
04/12/2007	*	33	1,445	37	40	2,706	0	0	8	---	916	491
04/13/2007	*	28	1,187	56	57	3,414	0	0	5	1,121	1,452	314
04/14/2007	*	56	607	20	37	4,668	98	254	17	---	1,416	0
04/15/2007	*	80	573	16	18	6,282	0	0	19	837	1,293	1,680
04/16/2007	*	109	607	8	11	7,948	311	0	15	---	1,117	324
04/17/2007	*	79	303	11	24	7,712	1,394	92	46	1,009	1,495	196
04/18/2007	*	52	499	13	40	7,592	469	0	17	---	1,427	553
04/19/2007	*	79	---	154	124	6,933	4,993	0	15	1,173	972	503
04/20/2007		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
<b>Total:</b>		<b>893</b>	<b>5,916</b>	<b>337</b>	<b>436</b>	<b>50,985</b>	<b>7,346</b>	<b>423</b>	<b>159</b>	<b>5,753</b>	<b>11,748</b>	<b>5,652</b>
<b># Days:</b>		<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>		<b>64</b>	<b>455</b>	<b>24</b>	<b>31</b>	<b>3,642</b>	<b>525</b>	<b>30</b>	<b>11</b>	<b>822</b>	<b>839</b>	<b>404</b>
<b>YTD</b>		<b>1,061</b>	<b>6,084</b>	<b>349</b>	<b>470</b>	<b>57,851</b>	<b>7,387</b>	<b>477</b>	<b>165</b>	<b>5,753</b>	<b>12,348</b>	<b>6,586</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)
04/06/2007 *	0	0	0	0	23	0	0	0	---	11	16
04/07/2007 *	0	0	0	0	0	0	0	0	38	0	0
04/08/2007 *	0	0	0	0	22	0	0	6	---	7	7
04/09/2007 *	0	0	0	0	0	0	0	19	23	0	0
04/10/2007 *	0	0	0	0	18	0	0	16	---	6	7
04/11/2007 *	0	0	0	0	0	0	0	52	70	13	11
04/12/2007 *	0	0	0	0	17	0	0	102	---	0	12
04/13/2007 *	0	0	0	0	67	0	0	62	145	13	0
04/14/2007 *	0	0	0	0	0	6	0	190	---	46	0
04/15/2007 *	0	0	0	0	88	0	0	170	93	26	0
04/16/2007 *	0	0	0	0	0	1	0	174	---	66	0
04/17/2007 *	0	0	0	0	168	4	0	152	161	36	0
04/18/2007 *	0	0	0	0	0	4	0	144	---	42	0
04/19/2007 *	0	---	0	0	0	0	0	191	386	0	91
04/20/2007	---	---	---	---	---	---	---	---	---	---	---
<hr/>											
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>403</b>	<b>15</b>	<b>0</b>	<b>1,278</b>	<b>916</b>	<b>266</b>	<b>144</b>
<b># Days:</b>	<b>14</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>7</b>	<b>14</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>1</b>	<b>0</b>	<b>91</b>	<b>131</b>	<b>19</b>	<b>10</b>
<b>YTD</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>560</b>	<b>15</b>	<b>3</b>	<b>1,281</b>	<b>916</b>	<b>278</b>	<b>144</b>

\* See sampling comments

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

Smolt indices, clipped & unclipped or combined, are presented in the following order: yearling chinook (chinook 1's), subyearling chinook (chinook 0's), steelhead, coho, and sockeye. Two classes of fish counts are shown in these tables: collection counts, which account for sample rates but are not adjusted for flow; and passage indices, which are collection counts divided by the proportion of water passing through the sampled powerhouse. Passage indices are not population estimates, but are used to adjust collection counts for daily fluctuations in the site's or project's operations. The classes of counts presented in the report are defined below for each site. Most samples occur over a 24-hr period that spans two calendar days. In this report, the date shown corresponds with the sample end date.

### Definitions for Smolt Index Counts

WTB (Collection) = Salmon River Trap at Whitebird : Collection Counts

IMN (Collection) = Imnaha River Trap : Collection Counts

GRN (Collection) = Grande Ronde River Trap : Collection Counts

LEW (Collection) = Snake River Trap at Lewiston : Collection Counts

LGR (Index) = Lower Granite Dam Bypass Collection System : Passage Index Counts

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

LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts

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

LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts

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

RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts

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

MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts

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

JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts

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

BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts

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

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

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

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

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

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

## Two Week Transportation Summary

Source: Fish Passage Center

Updated:

4/20/07 9:20 AM

		04/06/07 TO 04/20/07						
		Species						
Site	Data	CH0	CH1	CO	SO	ST	Grand Total	
<b>LGR</b>	Sum of NumberCollected	620	158,425	730	230	29,325	189,330	
	Sum of NumberBarged	134	13,308	36	9	959	14,446	
	Sum of NumberBypassed	483	145,073	694	221	28,363	174,834	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	2	18	0	0	0	20	
	Sum of FacilityMorts	1	26	0	0	3	30	
	Sum of ResearchMorts	0	0	0	0	0	0	
	Sum of TotalProjectMorts	3	44	0	0	3	50	
<b>LGS</b>	Sum of NumberCollected	2	3,539	80	11	5,131	8,763	
	Sum of NumberBarged	0	0	0	0	0	0	
	Sum of NumberBypassed	1	3,531	80	11	5,131	8,754	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	0	5	0	0	0	5	
	Sum of FacilityMorts	1	3	0	0	0	4	
	Sum of ResearchMorts	0	0	0	0	0	0	
	Sum of TotalProjectMorts	1	8	0	0	0	9	
<b>LMN</b>	Sum of NumberCollected		2,888	1		194	3,083	
	Sum of NumberBarged		0	0		0	0	
	Sum of NumberBypassed		2,884	1		193	3,078	
	Sum of Numbertrucked		0	0		0	0	
	Sum of SampleMorts		4	0		1	5	
	Sum of FacilityMorts		0	0		0	0	
	Sum of ResearchMorts		0	0		0	0	
	Sum of TotalProjectMorts		4	0		1	5	
<b>MCN</b>	Sum of NumberCollected	115	31,418	59	554	3,555	35,701	
	Sum of NumberBarged	0	0	0	0	0	0	
	Sum of NumberBypassed	114	31,363	59	552	3,550	35,638	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	1	24	0	0	2	27	
	Sum of FacilityMorts	0	27	0	2	3	32	
	Sum of ResearchMorts	0	4	0	0	0	4	
	Sum of TotalProjectMorts	1	55	0	2	5	63	
Total Sum of NumberCollected		737	196,270	870	795	38,205	236,877	
Total Sum of NumberBarged		134	13,308	36	9	959	14,446	
Total Sum of NumberBypassed		598	182,851	834	784	37,237	222,304	
Total Sum of Numbertrucked		0	0	0	0	0	0	
Total Sum of SampleMorts		3	51	0	0	3	57	
Total Sum of FacilityMorts		2	56	0	2	6	66	
Total Sum of ResearchMorts		0	4	0	0	0	4	
Total Sum of TotalProjectMorts		5	111	0	2	9	127	

### YTD Transportation Summary

Source: Fish Passage Center

Updated:

4/20/07 9:20 AM

TO: 04/20/07

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	720	165,845	860	360	34,595	202,380
	Sum of NumberBarged	134	13,308	36	9	959	14,446
	Sum of NumberBypassed	582	152,490	824	351	33,631	187,878
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	3	20	0	0	2	25
	Sum of FacilityMorts	1	27	0	0	3	31
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	4	47	0	0	5	56
<b>LGS</b>	Sum of NumberCollected	2	3,542	80	11	5,159	8,794
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	1	3,534	80	11	5,159	8,785
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	5	0	0	0	5
	Sum of FacilityMorts	1	3	0	0	0	4
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1	8	0	0	0	9
<b>LMN</b>	Sum of NumberCollected		3,036	1	1	216	3,254
	Sum of NumberBarged		0	0	0	0	0
	Sum of NumberBypassed		3,032	1	1	215	3,249
	Sum of NumberTrucked		0	0	0	0	0
	Sum of SampleMorts		4	0	0	1	5
	Sum of FacilityMorts		0	0	0	0	0
	Sum of ResearchMorts		0	0	0	0	0
	Sum of TotalProjectMorts		4	0	0	1	5
<b>MCN</b>	Sum of NumberCollected	115	31,418	59	554	3,555	35,701
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	114	31,363	59	552	3,550	35,638
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	1	24	0	0	2	27
	Sum of FacilityMorts	0	27	0	2	3	32
	Sum of ResearchMorts	0	4	0	0	0	4
	Sum of TotalProjectMorts	1	55	0	2	5	63
Total Sum of NumberCollected		837	203,841	1,000	926	43,525	250,129
Total Sum of NumberBarged		134	13,308	36	9	959	14,446
Total Sum of NumberBypassed		697	190,419	964	915	42,555	235,550
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		4	53	0	0	5	62
Total Sum of FacilityMorts		2	57	0	2	6	67
Total Sum of ResearchMorts		0	4	0	0	0	4
Total Sum of TotalProjectMorts		6	114	0	2	11	133

**Cumulative Adult Passage at Mainstem Dams Through: 4/19/2007**

DAM	EndDate	Spring Chinook						Summer Chinook						Fall Chinook					
		2,007		2,006		10-Yr Avg.		2,007		2,006		10-Yr Avg.		2,007		2,006		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	04/19	7,439	40	278	-1	53,720	236	0	0	0	0	0	0	0	0	0	0	0	0
TDA	04/19	2,296	16	110	-1	27,312	85	0	0	0	0	0	0	0	0	0	0	0	0
JDA	04/19	1,084	15	48	-2	17,515	33	0	0	0	0	0	0	0	0	0	0	0	0
MCN	04/18	92	7	13	0	10,064	23	0	0	0	0	0	0	0	0	0	0	0	0
IHR	04/19	32	6	0	0	6,861	9	0	0	0	0	0	0	0	0	0	0	0	0
LMN	04/15	-2	2	0	0	1,825	0	0	0	0	0	0	0	0	0	0	0	0	0
LGS	04/18	0	0	1	0	2,510	25	0	0	0	0	0	0	0	0	0	0	0	0
LGR	04/18	3	0	0	0	1,507	0	0	0	0	0	0	0	0	0	0	0	0	0
PRD	04/17	2	0	2	0	304	0	0	0	0	0	0	0	0	0	0	0	0	0
RIS	04/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RRH	04/18	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
WEL	04/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	04/18	751	18	179	0	-	-	0	0	0	0	-	-	0	0	0	0	0	-

DAM	Coho						Sockeye			Steelhead			
	2,007		2,006		10-Yr Avg.		2,007	2,006	10-Yr Avg.	10-Yr			Wild 2007
	Adult	Jack	Adult	Jack	Adult	Jack				2,007	2,006	Avg.	
BON	0	0	0	0	0	0	0	0	0	1,582	1,323	1,760	503
TDA	0	0	0	0	0	0	0	0	0	942	892	692	337
JDA	0	0	0	0	0	0	0	0	0	1,466	1,930	2,159	603
MCN	0	0	0	0	0	0	0	0	0	1,486	1,780	1,219	418
IHR	0	0	0	0	0	0	0	0	0	2,029	2,435	1,509	516
LMN	0	0	0	0	0	0	0	0	0	1,834	2,108	1,362	584
LGS	0	0	0	0	0	0	0	0	0	1,839	2,111	1,646	566
LGR	0	0	0	0	0	0	0	0	0	10,026	6,597	6,138	2,098
PRD	0	0	0	0	0	0	0	0	0	0	5	0	0
RRH	0	0	0	0	0	0	0	0	0	8	36	35	0
RIS	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
WFA	2	0	0	0	-	-	0	0	-	4,832	5,209	-	0

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

\*PRD is not posting wild steelhead numbers.

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

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

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

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

Page last updated on: 4/20/2007

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

Year	Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
2007	22	0	1,677	517
2006	2	0	2,523	239