



Fish Passage Center Weekly Report #08 - 08

April 25, 2008

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 19% and 76% of average at individual sub-basins over April. Precipitation above The Dalles has been 59% of average over 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 2008 April 1-21		Water Year 2008 October 1, 2007 to April 1-21, 2008	
	Observed (inches)	% Average	Observed (inches)	% Average
	Columbia Above Coulee	0.74	64	15.74
SNAKE RIVER ABOVE ICE HARBOR	0.42	41	11.74	104
Columbia Above The Dalles	0.59	51	15.72	102
Kootenai	0.81	66	15.24	96
Clark Fork	0.42	48	10.61	108
Flathead	0.68	61	12.87	97
Pend Oreille/Spokane	0.98	62	22.95	105
Central Washington	0.11	25	4.67	74
SNAKE RIVER PLAIN	0.14	19	5.74	84
Salmon/Boise/Payette	0.38	34	14.68	106
Clearwater	1.20	65	21.15	106
SW Washington Cascades/Cowlitz	2.40	64	53.21	93
Willamette Valley	2.57	76	49.26	101

Snowpack within the Columbia Basin is above average. Average snowpack in the Columbia River for basins above the Snake River confluence is 109% of average, for Snake River Basins the

average snowpack is 114% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack is 195% of average.

Table 2 displays the April Final and April Mid Month runoff volume forecasts for multiple reservoirs. Water Supply Forecasts generally stayed the same or decreased between the April Final and April Mid Month forecasts, with the exception of Dworshak which increased 8%. The current forecast (April Final) at The Dalles between January and July is 101000 Kaf (94% of average).

Location	April Final		April Mid Month	
	% Average (1971- 2000)	Probable Runoff Volume (Kaf)	% Average (1971- 2000)	Probable Runoff Volume (Kaf)
The Dalles (Jan-July)	94	101000	92	98200
Grand Coulee (Jan-July)	97	61200	99	59900
Libby Res. Inflow, MT (Jan-July)	96	6080	98	6010
Hungry Horse Res. Inflow, MT (Jan-July)	96	2140	94	2090
Lower Granite Res. Inflow (Apr- July)	108	23300	105	22600
Brownlee Res. Inflow (Apr-July)	86	5400	79	4990
Dworshak Res. Inflow (Apr-July)	120	3160	118	3110

The Biological Opinion flow period began on April 3rd in the lower Snake River (Lower Granite) and began on April 10th in the mid (Priest Rapids) and lower (McNary) Columbia River. According to the April Final Water Supply Forecast, the flow objectives this spring are 100 Kcfs at Lower Granite, 260 Kcfs at McNary, and 135 Kcfs at Priest Rapids. Flows at Lower Granite Dam from April 18-24 have averaged 60.6 Kcfs, flows at Priest Rapids from April 18th to 24th averaged 94.6 Kcfs and at McNary 166.1 Kcfs over the same date range.

Grand Coulee Reservoir is at 1235.4 feet (4-24-08) and has drafted 3.8 feet in the last week. The end of April FC elevation at Grand Coulee based on the new April Final forecast is 1228.8 feet. Outflows at Grand Coulee have ranged between 69.0 and 112.9 Kcfs over the last week.

The Libby Reservoir is currently at elevation 2395.48 feet (4-24-08) and held steady last week. The end of April FC elevation at Libby based on the new April Final forecast is 2402.2 feet. Outflows at Libby are still the 4.0 Kcfs minimum.

Hungry Horse is currently at an elevation of 3500.63 ft (4-24-08) and has drafted 2.0 feet last week. The end of April FC elevation at Hungry Horse based on the new April Final forecast is 3521.3 feet. Outflows at Hungry Horse have increased somewhat over the last week, ranging between 4.5 and 4.6 Kcfs.

Dworshak is currently at an elevation of 1479.07 feet (4-24-08) and drafted 7.6 feet last week; outflows at Dworshak have been 10.5 - 10.6 Kcfs. The end of April FC at Dworshak is 1493.7 feet. At the April 22nd, 2008 TMT Meeting, all parties agreed that outflows at Dworshak would remain at approximately full powerhouse for the next week.

The Brownlee Reservoir was at an elevation of 2027.8 feet on April 24th, 2008, drafting 2.85 feet last week. Outflows at Brownlee Dam have been 13.0 to 22.2 Kcfs over the last week. The end of April FC elevation at Brownlee based on the new April Final forecast is 2033.8 feet.

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 achieving the 30% over the 24 hour period. The Court ordered 14 days of nighttime gas cap spill at this project will begin at 1800 hours on April 25, 2008. Spill to the gas cap at Lower Monumental Dam has decreased over the past week from 27 to about 24 Kcfs based on the tailrace readings at Lower Monumental Dam that were near 120% (and exceeded by 0.1% on 4/20), and the Ice Harbor Dam forebay TDG readings that were near, but did not exceed 115%. However, at the present lowered spill levels, both the tailrace and forebay are well below the waiver limits. Spill at Ice Harbor Dam resumed court ordered spill of 45 Kcfs daytime spill and gas cap nighttime spill on April 11th, after the RSW seal replacement was completed.

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	100 Kcfs/100 Kcfs

Spill at McNary and The Dalles dams met the Court ordered spill this past week. Spill at John Day Dam was 60% of nighttime spill until the evening of April 21st, when the project began spilling 30% of instantaneous flow for 24 hours

daily prior to the beginning of TSW testing on April 26th or 27th. Spill at Bonneville Dams has been close to the Court's Order of 100 Kcfs.

Total dissolved gas at the federal hydroprojects was under the waiver limits over this past week with the exception of Lower Monumental Dam where a tailrace reading of 120.1% occurred on April 20th. There were no exceedences recorded in the Mid Columbia as well.

Gas bubble trauma (GBT) monitoring occurred at all the Snake River sites, Rock Island Dam and at Bonneville Dam. There were no observations of GBT at the Snake or lower Columbia sites. At Rock Island Dam 2 of 50 (4%) fish sampled were observed with minor signs of GBT.

Smolt Monitoring: Relatively large numbers of smolts continue to be captured at SMP traps over the past week as hatchery releases and wild out-migrants continued passing the traps steadily. Smolt passage continued to pick up in the hydro-system this past week as well; with daily passage indices at Lower Granite Dam averaging nearly 40,000 yearling Chinook and 36,000 per day for steelhead smolts.

At the Salmon River Trap, as with last week, this week the catch was predominantly hatchery origin yearling Chinook. Similar to last week also, PIT-tag recaptures were primarily from releases at Rapid River Hatchery and Knox Bridge (McCall Hatchery). Flows in the Salmon River, as measured at the USGS gage at White Bird, varied between 8 Kcfs and 11 Kcfs this past week. Flows declined over the past 5 days as cooler temperatures limited snow melt. Flows were below average for this past week as historic average flows reflect the typically increasing hydrograph associated with spring runoff.

At the Imnaha River Trap the numbers of yearling Chinook and steelhead captured have declined steadily over the past week. Over the last several days roughly equal numbers of clipped and unclipped smolts of both species have been captured in the trap. The drop in yearling Chinook numbers likely reflects the passage of fish released at the Imnaha Acclimation Pond. Unclipped fish are wild origin fish; those fish showed decreasing

passage numbers as well. The decline in steelhead numbers likely reflects the passage of fish released at Big Sheep Creek and Little Sheep Creek. The steelhead release into Big Sheep Creek was entirely unmarked, so that most steelhead being captured at the trap are likely hatchery origin. Flows in Imnaha River declined this week, with flows dropping to 525 cfs on April 24, well below historic average for that date. The declining flows could also explain the decreasing catch at the trap.

At the Grande Ronde Trap they captured 1,500 yearling Chinook on April 20 and April 21. Those fish were almost entirely hatchery origin fish (either ad-clipped or coded wire tagged). Steelhead catch decreased this past week, with collection peaking at 514 fish of April 16. Flows on the Grande Ronde River have also decreased to around 5 Kcfs this past week, about 1 Kcfs below historic average.

At the Lewiston Trap on the Snake River IDFG crews began to catch yearling Chinook and steelhead remained relatively steady over the past week.

At Lower Granite Dam the daily passage indices for yearling Chinook rose above 45,000 fish on April 19, and have remained above 30,000 per day since. Steelhead indices were also higher this week, averaging 36,000 per day compared to just over 3,000 per day last week.

At Little Goose Dam, where sampling has been limited to condition sampling fish injuries have been of concern to fisheries managers. The table below summarizes injury proportions in the samples over the past several days of sampling.

Summary of injuries in condition samples at Little Goose Dam.

Date	Number Sampled		Percent Injured	
	CH1	ST	CH1	ST
04/08/08	14	76	35.7	25.0
04/10/08	43	111	30.2	22.5
04/15/08	125	382	32.8	28.5
04/22/08	93	373	19.4	12.6
4/24/08	104	119	21	20

Sampling at Lower Monumental Dam has been conducted in support of capturing fish for avian predation studies. Sampling was halted on April 20 after 100% mortality in the previous days' collection. The mortality was due to fish being held in a hopper and flow being inadvertently shutoff, causing the fish mortality. After the incident the procedures related to holding fish for research were reviewed so that future accidents might be avoided.

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. The volitional release of approximately 2.5 million yearling spring Chinook juveniles from Rapid River Hatchery into the Little Salmon River was scheduled to end this week. However, as of April 24th, hundreds of PIT-tagged juveniles are still being detected at the Rapid River juvenile detection site each day. Also released to the Salmon River this week were 174,132 yearling spring Chinook juveniles from Sawtooth Hatchery. Finally, a volitional release of approximately 184,000 yearling spring Chinook from Tucannon Hatchery was scheduled to end this week. Several releases of summer steelhead were scheduled to end this week. In all, these releases totaled nearly 1.52 million juveniles. Of these, approximately 70% were released into the Salmon River, 20% were released into the Clearwater River, and 10% were released into the Grande Ronde River. In addition to the releases of steelhead that were scheduled to end this week, several releases totaling about 1.44 million summer steelhead were scheduled to begin this week. Approximately 97% of these steelhead were scheduled for release into the Clearwater River, while the remaining 3% were scheduled for release into the Salmon River.

Approximately 400,000 subyearling fall Chinook are scheduled for release into this zone over the next two weeks, with about 50% being released into the Clearwater River and 50% being released on the Snake River, below Hells Canyon Dam. Several releases of summer steelhead are scheduled to end over the next two weeks. These

releases all began in Mid-April and are expected to total over 1.20 million juveniles. Of these, about 72% were scheduled for release into the Pahsimeroi River, while the remaining 28% were scheduled for release into the Salmon River. In addition, several releases of summer steelhead are scheduled to begin over the next two weeks. In all, these releases are expected to total approximately 677,000 summer steelhead juveniles. The majority (76%) of these summer steelhead will be released into the Salmon River. The remaining 24% are scheduled for release into the Grande Ronde River. Finally, about 140,000 sockeye juveniles are scheduled for release into this zone, beginning May 1st. Half of these sockeye juveniles will be released into Redfish Lake, while the other half will be released into the Salmon River.

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 300,000 subyearling fall Chinook juveniles were scheduled for release into the Yakima River this week. In addition, over 1.53 million yearling spring Chinook from Leavenworth National Fish Hatchery were scheduled for release into the Wenatchee River this week. Several volitional releases of juvenile coho to the Methow, Wenatchee, and Yakima rivers were planned to begin this week. These releases are part of the Yakama Tribal Program to re-establish coho runs to these basins. In all, the volitional releases beginning this week will total approximately 1.84 million juveniles and are expected to run through early to mid-May. Two volitional releases of summer steelhead were scheduled to end this week. These releases both began in mid-April and were comprised of a release of 180,000 juveniles to the Mid-Columbia from Ringold Hatchery and a release of 85,000 juveniles from the Dayton Acclimation Ponds on the Touchet River. In addition to these two volitional releases, several other releases of summer steelhead were scheduled to begin this past week. In all, the releases beginning this week are expected to total approximately 516,000 summer steelhead juveniles. Of these, 60% were scheduled for release to the Methow River and its tributaries. The remaining

40% will be split between the Okanogan (27%) and Touchet (13%) rivers.

Approximately 115,000 yearling spring Chinook juveniles are planned for release into Lake Wenatchee, although the exact release date is unknown at this time. In addition, about 1.07 million yearling summer Chinook juveniles are anticipated for release into this zone over the next two weeks. Of these, 87% are scheduled for release from the Dryden Acclimation ponds on the Wenatchee River. The remaining 13% are scheduled for release into the Mid-Columbia River. In addition to the 1.84 million coho that were scheduled for release this week, several releases totaling over 630,000 coho juveniles are scheduled to begin over the next two weeks. These releases are also part of the Yakama Tribal Program to re-establish Coho runs to the Wenatchee, Methow, and Yakima river basins. A volitional release of approximately 20,000 summer steelhead to the Okanogan River is scheduled to end next week.

Finally, nearly 450,000 summer steelhead are scheduled for release into this zone, beginning next week. Approximately 73% of these steelhead are scheduled for release into the Wenatchee River and its tributaries and were tagged with green or pink Elastomer tags. The remaining 27% of these steelhead are scheduled for release into the Methow River.

Lower Columbia Zone: The Lower Columbia Zone is defined as the Columbia River and its tributaries from Bonneville Dam to McNary Dam. The volitional release of approximately 376,000 yearling spring Chinook from Warm Springs National Fish Hatchery was scheduled to end this week. This release began in mid-March. In addition, a volitional release of approximately 72,000 yearling spring Chinook juveniles from Blackberry Acclimation pond on Hood River was scheduled to begin this week. Also scheduled for release into Hood River this week were approximately 54,000 winter steelhead. Finally, 45,750 steelhead juveniles were scheduled for release into the White Salmon River this week. Of these, 54% were summer steelhead and 46% were winter steelhead.

The final release of subyearling fall Chinook

Tules from Spring Creek NFH is scheduled to take place in early May. Approximately 3.75 million subyearling fall Chinook Tules are anticipated for this release. Nearly 1.1 million coho juveniles are scheduled for release into the Klickitat River. This release currently scheduled to begin on May 7th. Finally, beginning next week, about 150,000 summer steelhead will be released into the Umatilla River.

Adult Fish Passage :

Adult counts at Bonneville Dam have been updated through April 23rd. Between March 15th and April 23rd, 18,862 adult spring Chinook had passed Bonneville Dam. Daily adult spring Chinook counts at Bonneville ranged from 449 to 2,708. The 2008 count was about 1.5 times larger than the 2007 adult spring Chinook count of 12,431 at Bonneville Dam but is only 28.7% of the ten year average. The Bonneville adult steelhead count for the same date range this year was 1,577 fish which was about 94.4% of the 2007 count of 1,670 fish. The 2008 wild steelhead count at Bonneville Dam was 587 fish as of April 23rd. At Willamette Falls Dam, the 2008 count for steelhead was 3,503, as of April 22nd. This year's steelhead count is about 70.3% of the 2007 count of 4,978 at Willamette Falls Dam.

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 ranged from 89 to 167 adult steelhead last week. The total steelhead count passing at Lower Granite Dam as of April 24th was 6,857. The 2008 count was about 66.8% of the 2007 count of 10,253 and about 96.6% of the 10-year average count of 7,096 at Lower Granite Dam. The 2008 wild steelhead at Lower Granite Dam as of April 24th was 1,934. At Rock Island Dam, as of April 24th, 89 adult steelhead have been counted and at Rocky Reach Dam, 171 adult steelhead have been counted so far this season.

Joseph Frazier, an Associated Press writer, reported in an article on Thursday April 24th that state wildlife officials have begun trapping sea

lions. On April 23rd, the 9th U.S. Circuit Court of Appeals ruled that some of the animals could be trapped but not killed in reply to a lawsuit brought by the Humane Society. Earlier this year the National Marine Fisheries Service authorized the removal of about 85 animals a year for five years but recommended that the annual take should be limited to 30 animals. They also recommended that capture should take precedence over killing. April 24th was the first day of trapping sea lions by state wildlife officials. They trapped eight sea lions. Of these, two were endangered Stellar sea lions and had to be released, two had been identified as problems in previous years, and the rest were not considered problem animals. The two problem sea lions are destined for Sea World. The rest are to be transported to the mouth of the Columbia and freed.

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
04/11/2008	92.9	0.0	94.2	0.0	101.7	0.0	101.0	0.0	97.5	0.0	106.7	0.0	103.9	0.0
04/12/2008	68.3	0.0	71.4	0.0	78.6	5.8	73.7	0.0	73.2	0.0	89.7	0.0	87.3	0.0
04/13/2008	70.0	0.0	63.6	0.0	60.8	4.3	56.1	0.0	56.2	0.0	74.1	0.0	70.7	0.0
04/14/2008	83.4	0.0	85.1	0.0	89.5	6.9	85.3	0.0	84.6	0.0	73.2	0.0	73.5	0.0
04/15/2008	89.2	0.0	92.0	0.0	102.3	7.4	98.9	0.0	95.3	0.0	104.2	0.0	98.2	0.0
04/16/2008	72.3	0.0	76.4	0.0	77.8	6.2	72.7	0.0	72.6	0.0	84.7	0.0	88.9	0.0
04/17/2008	65.7	0.0	66.9	0.0	71.8	5.4	69.4	0.0	69.7	9.6	83.8	0.0	78.4	0.0
04/18/2008	78.9	0.0	75.0	0.0	75.1	5.7	72.7	0.0	71.6	8.2	70.5	0.0	70.1	0.0
04/19/2008	69.0	0.0	66.5	0.0	74.7	5.7	70.7	0.0	71.4	7.3	84.0	0.0	79.5	0.0
04/20/2008	52.3	0.0	56.4	0.0	60.3	5.3	59.5	0.0	64.6	7.3	68.6	0.0	71.3	0.0
04/21/2008	106.6	0.0	108.9	0.0	108.4	8.1	103.9	0.0	99.9	10.6	92.3	0.0	85.9	0.0
04/22/2008	108.2	0.0	108.0	0.0	113.4	8.2	108.1	0.0	102.4	8.3	114.9	0.0	118.4	0.0
04/23/2008	106.3	0.0	110.3	0.0	114.9	8.2	111.2	0.1	110.8	10.0	117.3	0.0	112.0	0.0
04/24/2008	112.9	0.0	117.3	0.0	126.0	8.5	127.3	0.0	129.8	10.3	131.2	0.0	125.2	0.0

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

Date	Dworshak		Hells Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
04/11/2008	12.1	1.3	14.6	17.9	44.2	20.3	44.4	13.4	42.3	30.1	45.8	36.0
04/12/2008	10.8	0.0	15.8	14.8	45.5	20.2	44.2	13.3	43.0	30.7	50.3	40.4
04/13/2008	10.9	0.0	15.7	14.8	43.6	20.1	40.5	12.1	38.7	26.6	38.2	28.2
04/14/2008	10.9	0.0	18.1	18.7	54.7	20.2	56.2	17.0	54.7	26.1	61.0	46.6
04/15/2008	10.9	0.0	20.1	15.4	63.6	20.4	63.3	18.9	61.8	23.8	65.6	49.2
04/16/2008	11.0	0.0	19.0	16.6	62.7	20.3	61.4	18.5	61.3	23.8	66.7	46.4
04/17/2008	11.0	0.0	18.2	20.9	61.8	20.2	59.6	17.9	58.8	24.8	63.7	44.2
04/18/2008	11.0	0.0	18.1	21.1	63.0	20.3	62.3	18.4	61.2	25.0	64.5	43.5
04/19/2008	10.6	0.0	18.2	23.0	65.1	20.6	62.9	18.9	60.5	25.3	66.3	46.0
04/20/2008	10.6	0.0	18.0	23.7	66.6	20.5	66.7	20.1	63.4	27.4	67.1	47.8
04/21/2008	10.7	0.0	17.2	23.2	65.9	20.5	66.5	19.9	65.9	27.4	71.9	53.9
04/22/2008	10.7	0.0	16.0	15.2	57.9	20.5	57.5	17.1	53.3	26.8	57.2	42.2
04/23/2008	10.7	0.0	15.5	15.5	51.5	20.3	49.6	14.9	47.5	25.3	52.5	40.4
04/24/2008	10.6	0.0	---	---	53.9	20.4	54.6	16.4	52.6	23.6	57.2	41.4

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

Date	McNary		John Day		The Dalles		Bonneville			
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	PH1	PH2
04/11/2008	139.3	56.0	145.4	42.7	140.8	56.3	146.9	99.3	0.0	36.3
04/12/2008	154.2	62.2	155.9	44.3	152.3	60.8	165.2	97.5	3.0	53.3
04/13/2008	121.0	49.0	104.6	33.4	104.4	41.9	140.1	90.2	0.0	38.5
04/14/2008	141.8	57.1	137.1	32.5	127.5	51.0	141.2	89.5	2.2	38.2
04/15/2008	160.6	64.6	160.6	44.1	156.2	62.4	158.8	95.9	0.0	51.5
04/16/2008	178.4	71.8	187.4	47.6	186.5	75.0	199.7	99.4	42.4	48.8
04/17/2008	160.2	64.5	162.0	44.6	156.3	62.6	186.3	100.9	0.0	74.1
04/18/2008	140.0	56.3	137.3	43.6	140.1	56.1	158.1	100.2	0.0	46.5
04/19/2008	151.6	60.9	142.9	45.9	138.0	55.1	145.7	100.3	0.0	34.0
04/20/2008	152.6	61.6	153.0	47.2	147.9	59.3	160.7	100.9	0.0	48.4
04/21/2008	168.1	67.8	175.2	37.7	175.7	70.3	192.0	100.3	5.5	74.8
04/22/2008	176.0	71.2	171.5	52.0	168.7	67.6	208.1	99.3	16.4	80.9
04/23/2008	181.1	73.0	168.8	51.2	165.7	66.3	183.1	98.1	0.0	73.5
04/24/2008	193.1	77.6	195.0	59.1	182.4	72.7	200.9	98.2	1.7	89.6

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
Lower Granite Dam											
	04/15/08	Chinook + Steelhead	76	0	0	0.00%	0.00%	0	0	0	0
	04/22/08	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Little Goose Dam											
	04/15/08	Chinook + Steelhead	100	25	25	25.00%	1.00%	20	4	0	1
	04/20/08	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Lower Monumental Dam											
	04/21/08	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
McNary Dam											
	04/21/08	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	04/25/08	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	04/15/08	Chinook + Steelhead	99	0	0	0.00%	0.00%	0	0	0	0
	04/19/08	Chinook + Steelhead	96	0	0	0.00%	0.00%	0	0	0	0
	04/22/08	Chinook + Steelhead	102	0	0	0.00%	0.00%	0	0	0	0
Rock Island Dam											
	04/24/08	Chinook + Steelhead	50	2	2	4.00%	0.00%	2	0	0	0

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: **4/11/2008** to **04/24/08**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Colville Tribe	Cassimer Bar Hatchery	ST	SU	2008	20,000	04-04-08	04-30-08	Omak Creek	Okanogan River
Colville Tribe	Entiat Hatchery	CH1	SP	2008	40,000	04-09-08	04-15-08	Omak Creek	Okanogan River
Colville Tribe	Entiat Hatchery	CH1	SP	2008	215,000	04-15-08	04-15-08	Okanogan River	Okanogan River
Colville Tribe Total					275,000				
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2008	83,000	04-07-08	04-18-08	Red River	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2008	144,600	04-07-08	04-18-08	Crooked River Redhouse (SFk	S Fk Clearwater River
Idaho Dept. of Fish and Game	Clearwater Hatchery	ST	SU	2008	248,500	04-07-08	04-18-08	ClearH20 R)	S Fk Clearwater River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	30,000	04-11-08	04-27-08	Yankee Fk (Salmon R)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	30,733	04-14-08	04-27-08	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	31,975	04-22-08	04-22-08	Slate Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	60,000	04-11-08	04-27-08	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	60,000	04-11-08	04-27-08	Yankee Fk (Salmon R)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	62,315	04-24-08	04-24-08	Squaw Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	62,910	04-15-08	04-15-08	Squaw Cr Acclim Pond	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	91,090	04-14-08	04-15-08	Shoup Br (Salmon R)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	115,523	04-17-08	04-18-08	McNabb/Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	129,156	04-15-08	04-16-08	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	191,000	04-11-08	04-27-08	Squaw Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	226,648	04-18-08	04-22-08	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2008	55,000	04-01-08	04-24-08	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2008	830,000	04-10-08	04-29-08	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Pahsimeroi Hatchery	CH1	SU	2008	1,037,772	03-31-08	04-18-08	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2008	2,500,000	03-17-08	04-25-08	Rapid River Hatchery	Little Salmon River
Idaho Dept. of Fish and Game	Sawtooth Hatchery	CH1	SP	2008	174,132	04-24-08	04-25-08	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game Total					6,164,354				
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2008	31,400	04-13-08	04-19-08	Meadow Creek - CLES	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2008	31,400	04-13-08	04-19-08	Mill Cr Bridge	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2008	45,600	04-21-08	04-21-08	Lolo Creek	Clearwater River M F
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2008	72,100	04-13-08	04-19-08	Crooked River	S Fk Clearwater River
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2008	163,500	04-13-08	04-19-08	Red River	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2008	100,000	04-14-08	04-18-08	American River	S Fk Clearwater River
Nez Perce Tribe	Dworshak NFH	ST	SU	2008	100,000	04-14-08	04-18-08	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Lookingglass Hatchery	CH1	SP	2008	130,870	04-10-08	04-17-08	Lostine Accim Pond Big Canyon (Clearwater	Wallowa River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2008	147,832	04-15-08	04-15-08	Pittsburg Landing River)	Clearwater River M F
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2008	150,357	04-14-08	04-14-08	Acclim Pond	Snake River
Nez Perce Tribe	Lyons Ferry Hatchery	CH1	FA	2008	153,681	04-14-08	04-14-08	Cpt John Acclim Pond Nez Perce Tribal	Snake River
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH1	SP	2008	126,317	04-08-08	04-15-08	Hatchery	Clearwater River M F
Nez Perce Tribe	Nez Perce Tribal Hatchery	CO	UN	2009	30,000	04-01-08	04-15-08	Orofino Creek	Clearwater River M F
Nez Perce Tribe Total					1,283,057				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2008	160,000	04-14-08	04-14-08	Big Canyon Acclim.Pd (Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2008	165,000	04-15-08	04-15-08	L Sheep Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Oak Springs Hatchery	ST	SU	2008	500	04-15-08	04-15-08	Deschutes River	Deschutes River
Oregon Dept. of Fish and Wildlife Total					325,500				
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2008	300,000	04-14-08	04-18-08	Clear Creek Redhouse (SFk	Clearwater River M F
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2008	400,000	04-14-08	04-18-08	ClearH20 R)	S Fk Clearwater River
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2008	1,300,000	04-21-08	04-21-08	Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	782,000	04-07-08	04-25-08	Salmon River (ID)	Salmon River (ID)
U.S. Fish and Wildlife Service	Leavenworth NFH	CH1	SP	2008	1,535,000	04-24-08	04-24-08	Icicle Creek Little White Salmon River	Wenatchee River Little White Salmon River
U.S. Fish and Wildlife Service	Little White Salmon NFH	CH1	SP	2008	934,438	04-17-08	04-17-08	Warm Springs Hatchery	Deschutes River
U.S. Fish and Wildlife Service	Warm Springs NFH	CH1	SP	2008	376,000	03-23-08	04-23-08	Hatchery	Deschutes River
U.S. Fish and Wildlife Service	Winthrop NFH	CH1	SP	2008	509,045	04-14-08	04-14-08	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service Total					6,136,483				
Umatilla Tribe	Cascade Hatchery	CO	UN	2008	778,013	04-16-08	04-16-08	Pendelton Acclim Pond	Umatilla River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2008	116,882	03-24-08	04-14-08	Catherine Creek Grande Ronde Acclim Pond	Grande Ronde River
Umatilla Tribe	Lookingglass Hatchery	CH1	SP	2008	132,441	04-07-08	04-14-08	Pond	Grande Ronde River
Umatilla Tribe Total					1,027,336				

HATCHERY RELEASE LAST TWO WEEKS-cont'd

Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2008	583	04-15-08	04-15-08	Hood River	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2008	11,636	04-01-08	04-15-08	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2008	26,918	04-24-08	05-16-08	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2008	72,000	04-23-08	05-09-08	Blackberry Acclim Pond	Hood River
Warm Springs Tribe Total					111,137				
Washington Dept. of Fish and Wildlife	Chiwawa Hatchery	CH1	SP	2008	615,000	04-14-08	05-14-08	Chiwawa River	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2008	608,000	04-16-08	05-14-08	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2008	60,000	04-15-08	04-17-08	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2008	68,000	04-21-08	05-01-08	Baileysburg Bridge	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2008	85,000	04-10-08	04-25-08	Dayton Acclim Pond	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2008	100,000	04-15-08	04-17-08	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2008	100,000	04-15-08	04-17-08	Walla Walla River Cottonwood Acclim	Walla Walla River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2008	160,000	04-08-08	04-25-08	Pond	Grande Ronde River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2008	47,000	04-15-08	04-15-08	Twisp Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2008	190,000	04-15-08	04-15-08	Chewuch Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SP	2008	210,000	04-15-08	04-15-08	Methow Hatchery	Methow River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SU	2008	421,000	04-14-08	05-14-08	Carlton Acclim Pond Ringold Springs	Methow River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	ST	SU	2008	180,000	04-14-08	04-25-08	Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	SU	2008	24,750	04-24-08	05-15-08	White Salmon River	White Salmon River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	SU	2008	94,000	04-24-08	05-15-08	Klickitat River	Klickitat River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	WI	2008	21,000	04-24-08	05-15-08	White Salmon River	White Salmon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2008	78,000	04-10-08	04-24-08	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Tucannon Hatchery	CH1	SP	2008	106,000	04-09-08	04-24-08	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH1	SU	2008	313,000	04-14-08	05-15-08	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	90,000	04-21-08	05-15-08	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	110,000	04-21-08	05-15-08	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	110,000	04-21-08	05-15-08	Methow River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	138,000	04-21-08	05-15-08	Okanogan River	Okanogan River
Washington Dept. of Fish and Wildlife Total					3,928,750				
Yakama Tribe	Cascade Hatchery	CO	UN	2008	149,312	04-21-08	04-25-08	Icicle Creek	Wenatchee River
Yakama Tribe	Cascade Hatchery	CO	UN	2008	224,773	04-21-08	04-24-08	Icicle Creek	Wenatchee River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2008	211,004	03-15-08	05-15-08	Clark Flat Acclim Pond Jack Creek Acclim	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2008	217,146	03-15-08	05-15-08	Pond	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2008	219,470	03-15-08	05-15-08	Easton Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	40,964	04-21-08	05-01-08	Prosser Acclim Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	100,000	04-21-08	05-01-08	Easton Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	100,000	04-21-08	05-01-08	Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	100,000	04-21-08	05-01-08	Stiles Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	150,000	04-21-08	05-01-08	Holmes Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2008	300,000	04-21-08	04-21-08	Prosser Acclim Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2008	500,000	04-18-08	04-18-08	Prosser Acclim Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	40,150	04-21-08	05-01-08	Prosser Acclim Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	40,579	04-21-08	05-01-08	Boone Pond Lost Creek Acclim	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	41,095	04-21-08	05-01-08	Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	42,447	04-21-08	05-01-08	Stiles Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	120,425	04-21-08	05-01-08	Holmes Pond	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2008	39,726	04-21-08	05-01-08	Yakama River	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2008	89,328	04-21-08	05-01-08	Boone Pond	Yakima River
Yakama Tribe	Willard Hatchery	CO	UN	2008	71,946	04-21-08	04-25-08	Icicle Creek	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2008	83,866	04-21-08	04-30-08	Methow River	Methow River
Yakama Tribe	Willard Hatchery	CO	UN	2008	133,793	04-21-08	04-24-08	Icicle Creek	Wenatchee River
Yakama Tribe	Winthrop NFH	CO	UN	2008	267,004	04-19-08	04-25-08	Winthrop Hatchery	Methow River
Yakama Tribe	Yakama Hatchery	CH0	FA	2008	12,000	04-18-08	04-18-08	Marion Drain	Yakima River
Yakama Tribe Total					3,295,028				
Grand Total					22,546,645				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From: 4/25/2008 to 5/8/2008

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Colville Tribe	Cassimer Bar Hatchery	ST	SU	2008	20,000	04-04-08	04-30-08	Omak Creek	Okanogan River
Colville Tribe Total					20,000				
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	30,000	04-11-08	04-27-08	Yankee Fk (Salmon R)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	30,733	04-14-08	04-27-08	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	50,000	04-28-08	04-29-08	Valley Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	60,000	04-11-08	04-27-08	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	60,000	04-11-08	04-27-08	Yankee Fk (Salmon R)	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	60,000	04-30-08	04-30-08	East Fk Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	60,000	05-01-08	05-01-08	Slate Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Magic Valley Hatchery	ST	SU	2008	191,000	04-11-08	04-27-08	Squaw Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Niagara Springs	ST	SU	2008	830,000	04-10-08	04-29-08	Pahsimeroi River	Pahsimeroi River
Idaho Dept. of Fish and Game	Oxbow-Idaho	CH0	FA	2008	200,000	05-06-08	05-06-08	Hells Canyon Dam	Snake River
Idaho Dept. of Fish and Game	Oxbow-Idaho	SO	UN	2008	70,000	05-01-08	05-01-08	Redfish Lake Creek	Salmon River (ID)
Idaho Dept. of Fish and Game	Rapid River Hatchery	CH1	SP	2008	2,500,000	03-17-08	04-25-08	Rapid River Hatchery	Little Salmon River
Idaho Dept. of Fish and Game	Sawtooth Hatchery	CH1	SP	2008	174,132	04-24-08	04-25-08	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2008	70,000	05-01-08	05-01-08	Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Game Total					4,385,865				
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	FA	2008	200,000	05-04-08	05-10-08	Lapwai Creek	Clearwater River M F
Nez Perce Tribe Total					200,000				
								Big Canyon Acclim.Pd	
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2008	160,000	05-01-08	05-01-08	(Grande Ronde)	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Umatilla Hatchery	ST	SU	2008	50,000	04-29-08	04-29-08	Meacham Creek	Umatilla River
Oregon Dept. of Fish and Wildlife Total					210,000				
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	100,000	05-05-08	05-07-08	East Fk Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	103,000	04-28-08	05-02-08	Yankee Fk (Salmon R)	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	144,000	04-28-08	05-02-08	Yankee Fk (Salmon R)	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	782,000	04-07-08	04-25-08	Salmon River (ID)	Salmon River (ID)
U.S. Fish and Wildlife Service	Spring Creek NFH	CH0	FA	2008	3,750,000	05-01-08	05-07-08	Spring Creek Hatchery	L Col R (D/s McN Dam)
U.S. Fish and Wildlife Service	Winthrop NFH	ST	SU	2008	118,470	05-01-08	05-09-08	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service Total					4,997,470				
								Minthorn Acclimation	
Umatilla Tribe	Umatilla Hatchery	ST	SU	2008	50,000	04-29-08	04-29-08	Pond	Umatilla River
Umatilla Tribe	Umatilla Hatchery	ST	SU	2008	50,000	04-29-08	04-29-08	Pendelton Acclim Pond	Umatilla River
Umatilla Tribe Total					100,000				
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2008	26,918	04-24-08	05-16-08	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2008	27,787	04-25-08	05-15-08	E Fk Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2008	72,000	04-23-08	05-09-08	Blackberry Acclim Pond	Hood River
Warm Springs Tribe Total					126,705				

HATCHERY RELEASE NEXT TWO WEEKS-cont'd

Washington Dept. of Fish and Wildlife	Chiwawa Hatchery	CH1	SP	2008	615,000	04-14-08	05-14-08	Chiwawa River	Wenatchee River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2008	608,000	04-16-08	05-14-08	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	CH1	SU	2008	926,000	04-30-08	04-30-08	Dryden Acclim Pond	Wenatchee River
Washington Dept. of Fish and Wildlife	Little White Salmon NFH	CH1	SP	2008	115,000	05-01-08	05-31-08	Lake Wenatchee	Wenatchee River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2008	68,000	04-21-08	05-01-08	Baileysburg Bridge	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2008	85,000	04-10-08	04-25-08	Dayton Acclim Pond Cottonwood Acclim	Touchet River
Washington Dept. of Fish and Wildlife	Lyons Ferry Hatchery	ST	SU	2008	160,000	04-08-08	04-25-08	Pond	Grande Ronde River
Washington Dept. of Fish and Wildlife	Methow Hatchery	CH1	SU	2008	421,000	04-14-08	05-14-08	Carlton Acclim Pond Ringold Springs	Methow River
Washington Dept. of Fish and Wildlife	Ringold Springs Hatchery	ST	SU	2008	180,000	04-14-08	04-25-08	Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	SU	2008	24,750	04-24-08	05-15-08	White Salmon River	White Salmon River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	SU	2008	94,000	04-24-08	05-15-08	Klickitat River	Klickitat River
Washington Dept. of Fish and Wildlife	Skamania Hatchery	ST	WI	2008	21,000	04-24-08	05-15-08	White Salmon River	White Salmon River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	CH1	SU	2008	44,000	04-28-08	05-15-08	Turtle Rock Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	CH1	SU	2008	99,000	05-01-08	05-15-08	Chelan Falls	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	6,000	05-01-08	05-11-08	Chiwawa River	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	43,000	05-01-08	05-11-08	Chiwawa River	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	87,000	05-01-08	05-11-08	Wenatchee River	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	95,000	05-01-08	05-11-08	Nason Creek	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	97,567	05-01-08	05-11-08	Wenatchee River	Wenatchee River
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH1	SU	2008	313,000	04-14-08	05-15-08	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	90,000	04-21-08	05-15-08	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	110,000	04-21-08	05-15-08	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	110,000	04-21-08	05-15-08	Methow River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	138,000	04-21-08	05-15-08	Okanogan River	Okanogan River
Washington Dept. of Fish and Wildlife Total					4,550,317				
Yakama Tribe	Cascade Hatchery	CO	UN	2008	62,201	05-01-08	05-10-08	Wenatchee River	Wenatchee River
Yakama Tribe	Cascade Hatchery	CO	UN	2008	69,402	05-01-08	05-10-08	Rolfings Acclim Pond Butcher Creek Acclim.	Wenatchee River
Yakama Tribe	Cascade Hatchery	CO	UN	2008	147,905	05-01-08	05-10-08	Pond	Wenatchee River
Yakama Tribe	Cascade Hatchery	CO	UN	2008	149,312	04-21-08	04-25-08	Icicle Creek	Wenatchee River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2008	211,004	03-15-08	05-15-08	Clark Flat Acclim Pond Jack Creek Acclim	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2008	217,146	03-15-08	05-15-08	Pond	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2008	219,470	03-15-08	05-15-08	Easton Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	40,964	04-21-08	05-01-08	Prosser Acclim Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	100,000	04-21-08	05-01-08	Easton Pond Lost Creek Acclim	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	100,000	04-21-08	05-01-08	Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	100,000	04-21-08	05-01-08	Stiles Pond	Yakima River
Yakama Tribe	Eagle Creek NFH	CO	UN	2008	150,000	04-21-08	05-01-08	Holmes Pond	Yakima River
Yakama Tribe	Klickitat Hatchery	CO	NO	2008	1,093,800	05-07-08	05-07-08	Klickitat River	Klickitat River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	12,000	04-28-08	05-02-08	Cle Elum Lake	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	40,150	04-21-08	05-01-08	Prosser Acclim Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	40,579	04-21-08	05-01-08	Boone Pond Lost Creek Acclim	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	41,095	04-21-08	05-01-08	Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	42,447	04-21-08	05-01-08	Stiles Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CO	UN	2008	120,425	04-21-08	05-01-08	Holmes Pond	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2008	39,726	04-21-08	05-01-08	Yakama River	Yakima River
Yakama Tribe	Washougal Hatchery	CO	NO	2008	89,328	04-21-08	05-01-08	Boone Pond	Yakima River
Yakama Tribe	Willard Hatchery	CO	UN	2008	27,570	05-01-08	05-10-08	Wenatchee River	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2008	30,425	05-01-08	05-10-08	Rolfings Acclim Pond	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2008	70,299	05-01-08	05-10-08	Coulter Creek	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2008	71,946	04-21-08	04-25-08	Icicle Creek	Wenatchee River
Yakama Tribe	Willard Hatchery	CO	UN	2008	83,866	04-21-08	04-30-08	Methow River	Methow River
Yakama Tribe	Willard Hatchery	CO	UN	2008	211,543	05-01-08	05-10-08	Wells Hatchery	Mid-Columbia River
Yakama Tribe	Winthrop NFH	CO	UN	2008	267,004	04-19-08	04-25-08	Winthrop Hatchery	Methow River
Yakama Tribe Total					3,849,607				
Grand Total					18,439,964				

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>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>						
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>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>			
4/11	96	96	97	24	103	104	105	24	105	105	106	24	103	103	104	24	---	---	---	0
4/12	96	96	97	24	104	106	106	22	106	107	107	24	104	105	105	22	---	---	---	0
4/13	97	97	98	24	105	106	107	23	107	108	109	24	105	107	107	23	---	---	---	0
4/14	98	98	98	24	106	107	108	21	108	108	108	24	106	106	107	21	103	103	103	20
4/15	98	98	98	24	105	105	106	21	106	106	107	24	104	105	107	21	102	102	102	24
4/16	97	97	98	24	105	106	107	23	105	105	106	24	104	104	105	23	102	102	102	7
4/17	97	98	98	24	105	107	108	22	107	107	108	24	105	105	107	22	---	---	---	0
4/18	98	98	98	23	106	107	107	22	107	107	108	23	106	106	107	22	---	---	---	0
4/19	98	98	98	24	105	105	106	22	107	107	108	24	105	106	107	22	---	---	---	0
4/20	98	98	98	24	105	106	107	24	106	106	107	24	105	106	107	24	---	---	---	0
4/21	97	98	98	24	105	106	107	22	106	106	106	24	105	106	107	22	---	---	---	0
4/22	97	97	98	24	105	106	107	22	106	106	107	24	105	106	107	22	---	---	---	0
4/23	97	98	98	24	105	105	106	23	107	107	108	23	106	106	108	23	106	106	107	15
4/24	97	97	98	24	104	105	106	22	106	107	107	24	105	105	106	22	105	105	105	24

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. Tlwr</u>			#				
	<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>						
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>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>			
4/11	---	---	---	0	104	105	105	24	104	105	105	24	104	104	104	24	104	104	104	24
4/12	---	---	---	0	105	105	106	24	105	107	107	24	104	105	105	24	104	105	105	24
4/13	---	---	---	0	106	107	108	24	107	108	108	24	106	106	107	23	106	107	107	23
4/14	107	107	108	20	107	107	108	24	108	109	109	24	107	107	108	24	107	108	108	24
4/15	106	107	107	24	105	105	106	24	106	107	107	24	107	107	107	24	107	107	108	24
4/16	105	105	105	7	104	104	105	22	105	106	107	22	106	106	106	24	106	106	107	24
4/17	---	---	---	0	105	106	107	19	107	107	108	19	106	107	107	24	106	107	107	24
4/18	---	---	---	0	106	107	107	24	107	108	108	24	107	107	107	24	107	107	107	24
4/19	---	---	---	0	105	106	106	23	107	107	108	23	107	107	107	24	107	107	107	24
4/20	---	---	---	0	104	104	105	23	106	106	106	23	106	106	107	24	106	106	107	24
4/21	---	---	---	0	104	105	105	24	106	106	107	24	106	107	107	24	106	107	107	24
4/22	---	---	---	0	105	106	106	24	107	108	108	24	106	106	107	24	106	106	107	24
4/23	106	106	107	15	105	106	106	23	107	108	108	23	107	107	107	24	107	107	107	24
4/24	104	104	105	24	104	105	105	24	106	106	106	24	106	106	106	24	106	106	107	24

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</u>			#				
	<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>		<u>24 h</u>	<u>12 h</u>						
	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>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>			
4/11	104	105	105	24	104	105	105	24	---	---	---	0	---	---	---	0	---	---	---	0
4/12	105	105	106	24	105	105	106	24	---	---	---	0	---	---	---	0	---	---	---	0
4/13	106	107	108	23	107	107	108	23	---	---	---	0	---	---	---	0	---	---	---	0
4/14	107	107	108	24	107	107	108	24	---	---	---	0	---	---	---	0	---	---	---	0
4/15	106	107	107	24	107	107	107	24	---	---	---	0	---	---	---	0	---	---	---	0
4/16	106	106	106	24	106	106	106	24	---	---	---	0	---	---	---	0	---	---	---	0
4/17	106	107	107	24	110	112	115	24	---	---	---	0	---	---	---	0	---	---	---	0
4/18	107	107	107	24	110	112	115	24	---	---	---	0	---	---	---	0	---	---	---	0
4/19	106	107	107	24	109	109	111	24	---	---	---	0	---	---	---	0	---	---	---	0
4/20	106	106	107	24	109	110	111	24	---	---	---	0	---	---	---	0	---	---	---	0
4/21	106	106	107	24	109	111	114	24	---	---	---	0	---	---	---	0	---	---	---	0
4/22	106	107	107	24	108	110	112	24	---	---	---	0	---	---	---	0	---	---	---	0
4/23	107	107	107	24	110	110	110	24	---	---	---	0	---	---	---	0	---	---	---	0
4/24	106	106	107	24	109	110	115	24	---	---	---	0	---	---	---	0	---	---	---	0

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

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

Date	<u>Priest R. Dnst</u>			<u>Pasco</u>			<u>Dworshak</u>			<u>Clrwtr-Peck</u>			<u>Anatone</u>			#				
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>			<u>Avg</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>
4/11	---	---	---	0	104	105	106	24	104	104	106	9	100	102	103	24	102	103	105	24
4/12	---	---	---	0	105	106	106	24	95	95	96	12	98	99	100	24	102	104	105	24
4/13	---	---	---	0	106	107	108	24	97	97	98	24	99	101	102	24	102	103	105	24
4/14	---	---	---	0	106	106	107	24	97	98	98	24	99	99	99	24	101	101	101	24
4/15	---	---	---	0	104	104	105	24	96	96	97	24	98	99	99	24	101	102	102	24
4/16	---	---	---	0	103	103	104	24	95	95	96	21	98	99	99	24	101	102	103	24
4/17	---	---	---	0	104	105	106	24	96	97	97	24	99	101	102	24	102	103	104	24
4/18	---	---	---	0	103	104	104	24	97	97	98	24	100	100	101	24	102	103	103	23
4/19	---	---	---	0	102	103	104	24	97	97	97	24	99	100	101	24	101	102	102	24
4/20	---	---	---	0	102	102	103	24	97	97	97	23	99	99	100	23	101	102	102	24
4/21	---	---	---	0	102	104	105	23	96	96	97	24	99	99	100	24	102	102	103	24
4/22	---	---	---	0	105	106	106	24	97	98	98	24	100	101	101	24	102	103	104	24
4/23	---	---	---	0	106	106	107	24	98	98	99	24	99	100	100	24	102	102	103	24
4/24	---	---	---	0	104	104	105	24	96	96	96	20	98	99	99	24	101	102	102	24

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite Tlwr</u>			<u>Little Goose</u>			<u>L. Goose Tlwr</u>			#				
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>			<u>Avg</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>
4/11	103	106	108	24	101	101	101	24	111	112	113	24	107	108	110	24	110	111	111	24
4/12	102	105	107	24	102	103	104	24	111	111	112	24	108	108	109	24	111	112	112	24
4/13	102	105	107	24	103	104	104	24	111	112	113	24	110	111	113	24	109	110	111	24
4/14	99	100	101	24	104	104	105	24	111	112	113	24	111	111	111	24	110	111	111	24
4/15	99	100	101	24	103	104	104	24	110	111	113	24	109	109	110	24	110	111	114	24
4/16	100	101	102	24	101	102	103	24	110	110	111	24	107	108	108	24	110	111	111	24
4/17	101	104	105	24	100	100	100	24	110	110	111	24	107	108	108	24	114	115	116	24
4/18	101	103	104	24	100	101	101	24	110	110	111	24	106	106	107	24	114	115	115	24
4/19	100	102	103	24	102	102	102	24	110	110	111	24	106	107	107	24	110	111	111	24
4/20	100	101	102	23	102	102	102	24	110	111	111	24	106	106	107	24	110	110	111	24
4/21	100	102	104	24	101	101	101	23	110	110	111	23	105	105	105	24	109	110	110	24
4/22	102	104	106	24	100	101	101	24	110	111	111	24	106	107	107	24	109	110	110	24
4/23	101	102	103	24	101	101	101	24	111	112	112	24	107	107	108	24	110	111	111	24
4/24	100	102	104	24	100	100	101	24	110	111	112	24	106	106	107	24	110	110	111	24

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

Date	<u>Lower Mon.</u>			<u>L. Mon. Tlwr</u>			<u>Ice Harbor</u>			<u>Ice Harbor Tlwr</u>			<u>McNary-Oregon</u>			#				
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>		<u>Avg</u>	<u>hr</u>		<u>Avg</u>	<u>Avg</u>		<u>hr</u>	<u>Avg</u>			<u>Avg</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>
4/11	106	107	107	24	116	117	118	24	114	114	115	24	114	115	115	24	---	---	---	0
4/12	109	110	111	24	116	117	118	24	115	116	116	24	114	114	115	24	---	---	---	0
4/13	111	112	113	24	118	119	119	24	117	118	118	24	114	115	115	24	---	---	---	0
4/14	112	113	113	24	118	119	119	24	118	118	119	24	115	116	117	24	---	---	---	0
4/15	110	111	112	24	119	119	119	24	116	116	117	24	115	116	116	24	---	---	---	0
4/16	107	107	109	24	118	118	118	24	112	113	114	24	115	116	116	24	---	---	---	0
4/17	107	108	109	24	118	118	119	24	112	113	113	24	115	116	116	24	---	---	---	0
4/18	109	109	110	24	118	118	119	24	114	114	114	24	115	116	116	24	---	---	---	0
4/19	110	111	111	24	118	119	119	24	113	113	113	24	115	116	116	24	---	---	---	0
4/20	110	110	111	24	119	120	121	24	112	112	113	24	115	115	116	24	---	---	---	0
4/21	109	109	110	24	119	120	120	24	112	112	113	24	115	116	116	24	---	---	---	0
4/22	109	110	110	24	119	120	121	24	113	114	115	24	115	116	116	24	---	---	---	0
4/23	109	110	110	24	119	119	120	24	115	115	115	24	114	115	116	24	---	---	---	0
4/24	108	108	108	24	118	118	118	24	113	113	114	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>#</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>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>				
4/11	104	105	106	24	115	115	115	24	103	103	104	24	111	118	119	24	106	108	112	24
4/12	107	108	109	24	116	116	116	24	105	106	107	23	112	118	119	23	112	115	119	24
4/13	108	109	109	24	116	117	117	24	106	106	107	24	111	116	118	24	112	116	119	24
4/14	109	109	110	24	115	115	116	24	105	105	106	24	111	116	118	24	112	115	116	24
4/15	107	107	108	24	114	115	115	24	104	104	105	24	111	118	119	24	106	107	108	24
4/16	105	105	105	24	114	114	115	24	103	104	104	24	111	118	119	24	108	112	115	24
4/17	106	106	106	24	115	115	115	24	105	106	106	23	112	117	119	23	110	113	115	24
4/18	106	106	106	24	115	115	115	24	106	106	107	24	113	118	119	24	109	111	114	24
4/19	105	106	106	24	115	116	116	24	106	106	106	24	112	118	119	24	110	112	112	24
4/20	105	105	106	24	115	115	115	24	104	105	105	24	111	118	119	24	111	113	114	24
4/21	105	105	105	23	114	115	116	23	104	104	104	24	111	116	118	24	111	115	117	24
4/22	106	107	108	24	114	115	116	24	105	106	106	24	113	113	115	24	109	112	117	24
4/23	107	107	107	24	114	115	115	24	106	106	106	24	113	113	114	24	109	109	109	24
4/24	106	106	107	24	113	113	115	24	104	104	105	24	113	113	113	24	108	108	108	24

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>Camas\Washougal</u>			<u>Cascade Island</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</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>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>				
4/11	112	114	115	24	104	104	105	24	116	117	117	24	115	117	118	24	117	117	117	24
4/12	115	116	117	24	107	109	111	24	115	116	117	24	112	113	116	24	117	117	118	24
4/13	117	118	119	24	113	114	115	24	116	117	118	24	114	116	117	24	117	117	118	24
4/14	114	116	117	24	112	113	113	24	116	116	117	24	114	115	116	24	117	117	118	24
4/15	112	112	113	24	109	109	110	24	115	115	116	24	113	114	114	24	117	117	118	24
4/16	113	114	117	24	107	108	108	24	113	114	115	24	113	114	115	24	117	117	117	24
4/17	114	116	117	24	108	109	110	24	115	115	116	24	113	114	115	24	117	117	117	24
4/18	113	115	116	24	109	109	110	24	115	115	116	24	111	112	113	24	117	117	118	24
4/19	114	115	116	24	108	109	110	24	116	116	117	24	112	113	114	24	118	118	118	24
4/20	115	116	116	24	109	110	110	24	116	117	117	24	114	115	116	24	117	118	118	24
4/21	115	116	118	24	110	111	112	24	116	116	116	24	114	114	114	24	117	117	118	24
4/22	115	116	118	24	112	113	114	24	115	116	116	24	112	112	113	24	117	118	118	24
4/23	113	114	114	24	114	115	116	24	116	116	116	24	112	113	114	24	117	117	117	24
4/24	112	113	113	24	110	111	114	24	115	115	116	24	112	113	114	24	117	117	117	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/currentsmptsubmitdata.asp>

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)	
04/11/2008	*	520	4,661	343	11	2,250	0	272	0	4,855	2,929	532
04/12/2008	*	432	3,838	176	59	1,786	0	1,329	2	---	2,531	1,228
04/13/2008	*	384	2,006	256	19	1,733	0	1,976	2	5,155	2,418	5,590
04/14/2008	*	1,023	17,472	670	15	1,464	0	1,326	4	---	1,678	17,371
04/15/2008	*	3,236	---	193	229	7,178	180	1,020	5	1,922	3,342	14,084
04/16/2008	*	3,538	2,078	559	82	8,792	63	4,498	10	---	3,842	13,262
04/17/2008	*	3,623	464	457	189	10,619	0	7,350	8	4,907	3,526	21,532
04/18/2008	*	1,695	182	426	137	13,725	0	7,098	11	---	3,688	18,078
04/19/2008	*	2,352	105	528	55	45,149	0	4,966	13	3,463	2,643	16,072
04/20/2008	*	1,738	311	1,381	65	45,181	0	0	20	---	2,803	11,971
04/21/2008	*	1,523	347	1,589	39	35,526	32	77	12	5,707	3,998	13,375
04/22/2008	*	1,388	172	886	21	48,164	135	303	29	---	8,046	14,841
04/23/2008	*	1,394	53	714	12	50,438	0	5,144	49	5,358	13,910	23,276
04/24/2008	*	1,467	---	604	10	36,814	---	3,370	96	---	6,803	17,820
04/25/2008		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		24,313	31,689	8,782	943	308,819	410	38,729	261	31,367	62,157	189,032
# Days:		14	12	14	14	14	13	14	14	7	14	14
Average:		1,737	2,641	627	67	22,059	32	2,766	19	4,481	4,440	13,502
YTD		45,212	77,366	13,105	1,052	318,555	492	39,283	275	107,284	73,796	202,753

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)	
04/11/2008	*	0	0	0	1	36	0	0	83	0	0	1,631
04/12/2008	*	0	0	0	4	0	0	0	28	---	0	241,894
04/13/2008	*	0	0	0	3	0	0	0	25	0	0	113,061
04/14/2008	*	0	0	0	0	0	0	0	19	---	0	39,550
04/15/2008	*	0	---	0	0	76	0	0	23	0	0	10,419
04/16/2008	*	0	0	0	0	15	0	0	14	---	0	5,914
04/17/2008	*	0	0	0	0	0	0	0	28	0	0	4,277
04/18/2008	*	0	0	0	2	237	0	0	10	---	0	2,191
04/19/2008	*	0	0	0	1	1,480	0	0	12	0	0	1,985
04/20/2008	*	0	0	0	0	0	0	0	3	---	0	823
04/21/2008	*	0	0	0	1	0	0	0	22	0	0	886
04/22/2008	*	0	0	0	0	0	3	0	14	---	0	1,257
04/23/2008	*	0	0	0	1	160	0	0	13	0	0	2,268
04/24/2008	*	0	---	0	1	0	---	0	3	---	0	790
04/25/2008		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	14	2,004	3	0	297	0	0	426,946
# Days:		14	12	14	14	14	13	14	14	7	14	14
Average:		0	0	0	1	143	0	0	21	0	0	30,496
YTD		0	0	0	34	2,027	3	0	414	10	0	1,309,904

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)	
04/11/2008	*	0	0	0	0	0	0	0	34	10	360	
04/12/2008	*	0	0	0	0	0	0	0	---	7	629	
04/13/2008	*	0	0	0	0	0	0	0	34	28	136	
04/14/2008	*	0	0	0	0	0	0	1	---	7	392	
04/15/2008	*	0	---	0	10	30	1	0	51	7	441	
04/16/2008	*	0	0	0	0	15	0	0	---	7	388	
04/17/2008	*	0	0	0	3	30	0	0	34	9	1,032	
04/18/2008	*	0	0	0	0	0	0	0	---	10	2,191	
04/19/2008	*	0	0	0	1	0	0	0	43	0	1,443	
04/20/2008	*	0	0	0	1	0	0	0	---	25	1,251	
04/21/2008	*	0	0	0	1	0	0	0	38	0	1,551	
04/22/2008	*	0	0	0	0	0	0	0	---	79	1,970	
04/23/2008	*	0	0	0	0	0	0	0	29	72	2,526	
04/24/2008	*	0	---	0	1	0	---	0	---	14	2,839	
04/25/2008		---	---	---	---	---	---	---	---	---	---	
<hr/>												
Total:		0	0	0	17	75	1	0	11	263	275	17,149
# Days:		14	12	14	14	14	13	14	14	7	14	14
Average:		0	0	0	1	5	0	0	1	38	20	1,225
YTD		0	0	0	19	171	1	0	12	673	330	18,347

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)	
04/11/2008	*	144	919	6	7	1,053	0	21	0	69	79	172
04/12/2008	*	98	1,216	3	15	747	0	59	0	---	36	30
04/13/2008	*	70	1,035	15	16	748	0	18	0	34	71	136
04/14/2008	*	101	4,436	102	39	894	0	25	4	---	55	0
04/15/2008	*	91	---	159	155	1,405	549	28	7	104	75	136
04/16/2008	*	45	1,407	514	224	2,589	80	141	14	---	169	30
04/17/2008	*	79	354	111	135	15,779	0	471	16	760	662	147
04/18/2008	*	55	143	67	103	23,299	0	1,240	13	---	1,197	149
04/19/2008	*	73	220	44	74	54,919	0	2,590	8	1,512	727	238
04/20/2008	*	78	326	101	101	49,301	0	0	7	---	721	235
04/21/2008	*	89	315	88	60	27,647	112	98	5	3,654	774	498
04/22/2008	*	85	187	27	58	38,086	535	172	6	---	1,831	191
04/23/2008	*	21	73	19	80	31,829	0	3,443	9	3,250	1,755	265
04/24/2008	*	43	---	52	154	29,485	---	4,563	17	---	1,750	632
04/25/2008		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		1,072	10,631	1,308	1,221	277,781	1,276	12,869	106	9,383	9,902	2,859
# Days:		14	12	14	14	14	13	14	14	7	14	14
Average:		77	886	93	87	19,842	98	919	8	1,340	707	204
YTD		1,688	11,037	1,314	1,388	282,329	1,545	12,972	108	9,624	10,251	4,226

Two-Week Summary of Passage Indices

COMBINED SOCKEYE												
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)	
04/11/2008	*	0	0	0	0	36	0	0	0	0	0	0
04/12/2008	*	0	0	0	0	0	0	0	0	---	0	0
04/13/2008	*	0	0	0	1	91	0	0	0	0	0	0
04/14/2008	*	0	0	0	0	38	0	0	0	---	0	0
04/15/2008	*	0	---	0	0	121	1	0	0	17	0	0
04/16/2008	*	0	0	0	0	44	0	6	0	---	7	0
04/17/2008	*	0	0	0	1	60	0	0	0	0	0	0
04/18/2008	*	0	0	0	0	0	0	0	0	---	0	0
04/19/2008	*	0	0	0	0	0	0	0	1	0	0	0
04/20/2008	*	0	0	0	0	0	0	0	2	---	7	0
04/21/2008	*	0	0	0	0	0	0	0	0	26	0	0
04/22/2008	*	0	0	0	0	0	0	0	0	---	0	0
04/23/2008	*	0	0	0	0	0	0	0	1	10	0	0
04/24/2008	*	0	---	0	0	0	---	19	3	---	0	0
04/25/2008		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	2	390	1	25	7	53	14	0
# Days:		14	12	14	14	14	13	14	14	7	14	14
Average:		0	0	0	0	28	0	2	1	8	1	0
YTD		0	0	0	2	501	1	27	7	53	14	2

* 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
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse 2 Flow} / (\text{Powerhouse 1 \& 2 Flow} + \text{Spill}) \}$
- MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse Flow} / (\text{Powerhouse Flow} + \text{Spill}) \}$
- BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts
 $\text{Passage Index} = \text{Collection Counts} / \{ \text{Powerhouse 2 Flow} / (\text{Powerhouse 1 \& 2 Flow} + \text{Spill}) \}$

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:

4/25/08 10:04 AM

		04/11/08 TO 04/25/08						
		Species						
Site	Data	CH0	CH1	CO	SO	ST	Grand Total	
LGR	Sum of NumberCollected	1,340	203,106	50	240	184,010	388,746	
	Sum of NumberBarged	292	61,640	30	105	44,122	106,189	
	Sum of NumberBypassed	1,045	141,273	20	135	139,876	282,349	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	2	59	0	0	2	63	
	Sum of FacilityMorts	1	131	0	0	10	142	
	Sum of ResearchMorts	0	3	0	0	0	3	
	Sum of TotalProjectMorts	3	193	0	0	12	208	
LGS	Sum of NumberCollected	2	285	1	1	889	1,178	
	Sum of NumberBarged	0	0	0	0	0	0	
	Sum of NumberBypassed	2	284	1	1	889	1,177	
	Sum of Numbertrucked	0	0	0	0	0	0	
	Sum of SampleMorts	0	1	0	0	0	1	
	Sum of FacilityMorts	0	0	0	0	0	0	
	Sum of ResearchMorts	0	0	0	0	0	0	
	Sum of TotalProjectMorts	0	1	0	0	0	1	
LMN	Sum of NumberCollected		20,532		14	6,720	27,266	
	Sum of NumberBarged		0		0	0	0	
	Sum of NumberBypassed		20,072		14	6,692	26,778	
	Sum of Numbertrucked		0		0	0	0	
	Sum of SampleMorts		12		0	0	12	
	Sum of FacilityMorts		439		0	28	467	
	Sum of ResearchMorts		0		0	0	0	
	Sum of TotalProjectMorts		451		0	28	479	
MCN	Sum of NumberCollected		18,307	154	31	5,483	23,975	
	Sum of NumberBarged		0	0	0	0	0	
	Sum of NumberBypassed		18,283	154	31	5,481	23,949	
	Sum of Numbertrucked		0	0	0	0	0	
	Sum of SampleMorts		16	0	0	2	18	
	Sum of FacilityMorts		7	0	0	0	7	
	Sum of ResearchMorts		1	0	0	0	1	
	Sum of TotalProjectMorts		24	0	0	2	26	
Total Sum of NumberCollected		1,342	242,230	205	286	197,102	441,165	
Total Sum of NumberBarged		292	61,640	30	105	44,122	106,189	
Total Sum of NumberBypassed		1,047	179,912	175	181	152,938	334,253	
Total Sum of Numbertrucked		0	0	0	0	0	0	
Total Sum of SampleMorts		2	88	0	0	4	94	
Total Sum of FacilityMorts		1	577	0	0	38	616	
Total Sum of ResearchMorts		0	4	0	0	0	4	
Total Sum of TotalProjectMorts		3	669	0	0	42	714	

YTD Transportation Summary

Source: Fish Passage Center

Updated:

4/25/08 10:04 AM

TO: 04/25/08

		Species						
Site	Data	CH0	CH1	CO	SO	ST	Grand Total	
LGR	Sum of NumberCollected	1,360	209,000	120	310	186,733	397,523	
	Sum of NumberBarged	292	63,314	42	144	44,534	108,326	
	Sum of NumberBypassed	1,065	145,488	78	166	142,184	288,981	
	Sum of NumberTrucked	0	0	0	0	0	0	
	Sum of SampleMorts	2	61	0	0	5	68	
	Sum of FacilityMorts	1	134	0	0	10	145	
	Sum of ResearchMorts	0	3	0	0	0	3	
	Sum of TotalProjectMorts	3	198	0	0	15	216	
LGS	Sum of NumberCollected	2	342	1	1	1,077	1,423	
	Sum of NumberBarged	0	0	0	0	0	0	
	Sum of NumberBypassed	2	341	1	1	1,076	1,421	
	Sum of NumberTrucked	0	0	0	0	0	0	
	Sum of SampleMorts	0	1	0	0	1	2	
	Sum of FacilityMorts	0	0	0	0	0	0	
	Sum of ResearchMorts	0	0	0	0	0	0	
	Sum of TotalProjectMorts	0	1	0	0	1	2	
LMN	Sum of NumberCollected		20,855			15	6,772	27,642
	Sum of NumberBarged		0			0	0	0
	Sum of NumberBypassed		20,394			15	6,742	27,151
	Sum of NumberTrucked		0			0	0	0
	Sum of SampleMorts		13			0	0	13
	Sum of FacilityMorts		439			0	30	469
	Sum of ResearchMorts		0			0	0	0
	Sum of TotalProjectMorts		452			0	30	482
MCN	Sum of NumberCollected	10	94,224	564	31	5,724	100,553	
	Sum of NumberBarged	0	0	0	0	0	0	
	Sum of NumberBypassed	10	94,172	564	31	5,721	100,498	
	Sum of NumberTrucked	0	0	0	0	0	0	
	Sum of SampleMorts	0	24	0	0	2	26	
	Sum of FacilityMorts	0	27	0	0	1	28	
	Sum of ResearchMorts	0	1	0	0	0	1	
	Sum of TotalProjectMorts	0	52	0	0	3	55	
Total Sum of NumberCollected		1,372	324,421	685	357	200,306	527,141	
Total Sum of NumberBarged		292	63,314	42	144	44,534	108,326	
Total Sum of NumberBypassed		1,077	260,395	643	213	155,723	418,051	
Total Sum of NumberTrucked		0	0	0	0	0	0	
Total Sum of SampleMorts		2	99	0	0	8	109	
Total Sum of FacilityMorts		1	600	0	0	41	642	
Total Sum of ResearchMorts		0	4	0	0	0	4	
Total Sum of TotalProjectMorts		3	703	0	0	49	755	

Cumulative Adult Passage at Mainstem Dams Through: 04/24

DAM	EndDate	Spring Chinook						Summer Chinook						Fall Chinook					
		2008		2007		10-Yr Avg.		2008		2007		10-Yr Avg.		2008		2007		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	04/23	18862	58	12431	133	65533	453	0	0	0	0	0	0	0	0	0	0	0	0
TDA	04/23	10688	37	6793	69	38260	200	0	0	0	0	0	0	0	0	0	0	0	0
JDA	04/24	7800	27	4984	53	29699	112	0	0	0	0	0	0	0	0	0	0	0	0
MCN	04/23	3238	20	1167	15	19614	75	0	0	0	0	0	0	0	0	0	0	0	0
IHR	04/23	1753	6	380	12	11980	27	0	0	0	0	0	0	0	0	0	0	0	0
LMN	04/23	638	1	88	5	9303	14	0	0	0	0	0	0	0	0	0	0	0	0
LGS	04/23	330	0	38	2	6831	38	0	0	0	0	0	0	0	0	0	0	0	0
LGR	04/24	149	1	24	1	6282	7	0	0	0	0	0	0	0	0	0	0	0	0
PRD	04/23	169	1	10	0	1665	0	0	0	0	0	0	0	0	0	0	0	0	0
RIS	04/23	13	0	6	0	522	1	0	0	0	0	0	0	0	0	0	0	0	0
RRH	04/23	2	0	1	0	53	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	04/22	259	0	666	2	-	-	0	0	0	0	-	-	0	0	0	0	-	-

DAM	Coho						Sockeye			Steelhead			
	2008		2007		10-Yr Avg.		2008	2007	10-Yr Avg.	2008	2007	10-Yr Avg.	Wild 2008
	Adult	Jack	Adult	Jack	Adult	Jack							
BON	0	0	0	0	0	0	0	0	0	1577	1670	1855	587
TDA	0	0	0	0	0	0	0	0	0	932	983	803	389
JDA	-1	0	0	0	0	0	0	0	0	2164	1540	2409	889
MCN	0	0	0	0	0	0	0	0	0	1951	1570	1395	854
IHR	0	0	0	0	0	0	0	0	0	2799	2096	1720	997
LMN	0	0	0	0	0	0	0	0	0	3206	2036	1726	1289
LGS	0	0	0	0	0	0	0	0	0	1977	2002	1904	686
LGR	0	0	0	0	0	0	0	0	0	6857	10253	7096	1934
PRD	0	0	0	0	0	0	0	0	0	21	5	2	0
RIS	0	0	0	0	0	0	0	0	0	89	11	17	20
RRH	0	0	0	0	0	0	0	0	0	171	54	67	51
WEL	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	0	0	2	0	-	-	0	0	-	3503	4978	-	-

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: 04/25/08

BON counts from January 1, 2008 to March 14, 2008 (our traditional counts begin March 15):

Year	Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
2008	42	0	578	278
2007	22	0	1,677	517