



Fish Passage Center Weekly Report #08 - 11

May 16, 2008

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 2% and 94% of average at individual sub-basins over May. Precipitation above The Dalles has been 43% of average over May. Over the entire water year, precipitation has generally been near or above average.

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

Location	Water Year 2008 May 1-12		Water Year 2008 October 1, 2007 to May 1-12 2008	
	Observed (inches)	% Average	Observed (inches)	% Average
	Columbia Above Coulee	0.56	65	16.73
Snake River Above Ice Harbor	0.27	37	12.73	102
Columbia Above The Dalles	0.33	43	16.72	100
Kootenai	0.66	77	16.19	94
Clark Fork	0.19	23	11.23	102
Flathead	0.88	94	14.50	99
Pend Oreille/Spokane	0.29	28	24.27	103
Central Washington	0.01	2	4.88	71
Snake River Plain	0.26	46	6.46	84
Salmon/Boise/Payette	0.07	10	15.63	104
Clearwater	0.17	15	22.29	83
SW Washington Cascades/Cowlitz	0.33	22	55.68	92
Willamette Valley	0.17	12	53.42	104

Snowpack within the Columbia Basin is above average. Average snowpack in the Columbia River for basins above the Snake River confluence is

136% of average, for Snake River Basins the average snowpack is 107% of average, and for lower Columbia Basins between McNary and Bonneville Dam average snowpack is 373% of average.

Table 2 displays the April Final and May Final runoff volume forecasts for multiple reservoirs. Water Supply Forecasts decreased slightly between the April Final and May Final forecasts. The current forecast (May Final) at The Dalles between January and July is 97300 Kaf (91% of average).

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

Location	April Final		May Final	
	% Average (1971- 2000)	Probable Runoff Volume (Kaf)	% Average (1971- 2000)	Probable Runoff Volume (Kaf)
The Dalles (Jan-July)	94	101000	91	97300
Grand Coulee (Jan-July)	97	61200	95	59800
Libby Res. Inflow, MT (Jan-July)	96	6080	92	5820
Hungry Horse Res. Inflow, MT (Jan-July)	96	2140	91	2080
Lower Granite Res. Inflow (Apr-July)	108	23300	101	21800
Brownlee Res. Inflow (Apr-July)	86	5400	77	4860
Dworshak Res. Inflow (Apr-July)	120	3160	111	2980

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. Generally, flows have increased over the last week. Flows at Lower Granite Dam have averaged 87.5 Kcfs over the last week and 63.1 Kcfs over the spring season, flows at Priest Rapids have averaged 155.3 Kcfs over the last week and 111.8 Kcfs over the spring season and flows at McNary have averaged 260.7 Kcfs over the last week and 191.7 Kcfs over the spring season.

Grand Coulee Reservoir is at 1229.3 feet (5-15-08) and has refilled 0.6 feet over the last week. Outflows at Grand Coulee have ranged between 121.0 and 155.5 Kcfs over the last week. Inflows last week have ranged between 131.5 Kcfs and 149.8 Kcfs.

The Libby Reservoir is currently at elevation 2397.5 feet (5-15-08) and refilled 0.3 feet last week. Outflows at Libby were increased to 13.8 Kcfs on May 10th, 2008. Inflows at Libby have ranged between 13.6 Kcfs to 16.2 Kcfs over the last week.

Hungry Horse is currently at an elevation of 3505.2 ft (5-15-08) and has refilled 2.8 feet last week. Outflows were 4.4-4.7 Kcfs last week; inflows ranged between 7.9 kcf and 9.9 Kcfs last week.

Dworshak is currently at an elevation of 1488.1 feet (5-15-08) and refilled 8.2 feet last week. Outflows were reduced to approximately 5 Kcfs on 5-12-08. At the TMT meeting on 5-14-08, it was decided to maintain outflows of 5 Kcfs over the next week. Dworshak inflows have ranged between 10.8 and 16.3 Kcfs last week.

The Brownlee Reservoir is at an elevation of 2037.6 feet (May 15th, 2008), refilling 3.8 feet last week. Outflows at Brownlee Dam have been 7.1 to 21.9 Kcfs over the last week. Inflows at Brownlee Dam have been 17.9 to 21.0 Kcfs over the last week.

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 exceeded the Court Order when flow increased and exceeded powerhouse capacity, but dropped to about 20 Kcfs over the past five days. Presently, two units are out of service at this project limiting powerhouse capacity to about 70 Kcfs. Little Goose Dam has been meeting the 30% spill, except earlier in the week when spill was decreased due to a TDG reading of 115.5% in the Lower Monumental forebay. The project has been testing bulk versus flat spill patterns. At Lower Monumental Dam spill to the gas cap has been constrained, however neither the tailrace monitor nor the downstream monitor registered TDG in excess of the waivers. Spill at this project was increased to about 27 Kcfs on May 15. Spill at Ice Harbor Dam has met the court ordered levels of 45 Kcfs daytime spill and gas cap nighttime spill alternating with 30% instantaneous spill.

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: (Table on Following Page)

Project	Day/Night Spill
McNary	40%/40%
John Day	0/60% ; 30%/30% vs 40%/40% test
The Dalles	40%/40%
Bonneville	100 Kcfs/100 Kcfs

Spill at McNary and The Dalles dams met the Court ordered spill this past week. At John Day Dam TSW testing began on April 29th. During TSW testing, spill at John Day Dam alternates between 30% of instantaneous flow for 24 hours and 40% of instantaneous flow for 24 hours. Spill at Bonneville Dams averaged just over 97 Kcfs, with the exception of last Friday and Monday when spill exceeded 100 Kcfs. The increased spill was due to an operation to clear debris from the spillway. The Cascade Island gage exceeded 120% during these higher spill events and the Camas/Washougal gage read in excess of 115% on May 15.

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 Lower Granite, Little Goose, or McNary dams this week. At both Lower Monumental (5/13) and Bonneville (5/10) dams 1 of 100 (1%) fish sampled was observed with minor signs of GBT. Finally, on May 12th and 15th, Rock Island Dam had a 2% and 1% occurrence of minor signs of GBT, respectively.

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. The Salmon River Trap was removed for this season yesterday. Flows are anticipated to increase rapidly in the Salmon River in the next few days such that debris and high discharge would make sampling impossible. The Grande Ronde Trap was removed from the thalweg due to high flows and debris in that river. 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 170,000 yearling Chinook and 120,000 per day for steelhead smolts.

At the Salmon River Trap catch began to

decline over the week. Flows have been relatively high and the trap was removed from the thalweg. Finally, on May 15 the trapped was removed from the river due to anticipated high flows with the onset of hot weather in Idaho. This week the catch was predominantly hatchery origin steelhead. Sampling was limited to 3 days this past week as the trap was hauled out of the main channel. Small numbers of Chinook and steelhead were captured during a period of decreased flows. At the Imnaha River Trap the numbers of yearling Chinook captured declined to fewer than 20 per day over the past week while steelhead capture has remained high averaging over 450 per day. At the Grande Ronde Trap they captured about 170 yearling Chinook per day over the past week compared to roughly 100 steelhead per day.

At the Lewiston Trap on the Snake River IDFG crews caught decreased numbers of yearling Chinook and steelhead compared to last week. However the numbers caught per day suggest that spring migrants are passing into the Lower Snake River in large numbers. Flows have fluctuated up and down around historic average, the past week.

At Lower Granite Dam the daily passage indices for yearling Chinook rose to 270,000 fish on May 8, and the daily indices have steadily declined since that date. The flows at Lower Granite Dam mirror this trend in Chinook smolt daily passage, with flows for the spring peaking at 108 Kcfs on May 8 and declining since then. Steelhead indices peaked on May and have declined since that date. The yearling Chinook timing appears late this season while steelhead timing has been relatively early. In the past week and estimated 2.9 million yearling Chinook have passed the project (based on the population index) while the population index for steelhead was estimated at 2.3 million. Collection for transportation began at Lower Granite Dam on May 1.

Spring migrant passage increased over the past week at all Lower Columbia SMP sites as well as at Rock Island Dam in the Mid-Columbia. In the lower River at McNary, John Day and Bonneville dams passage indices for all spring migrants continued to increase. Yearling Chinook and steelhead passage indices rose to seasonal highs of

153,000 and 54,000 (respectively) at McNary on May 13. Coho and Sockeye passage indices continued to increase as well over the past week. At Bonneville Dam passage numbers of subyearling Chinook continued to decrease over the past several days as the most recent release of Spring Creek Hatchery fish passed the dam. The peak passage occurred on May 4 and 5 when the daily index rose to 233,000 on the 4th and then 242,000 the 5th. The subyearling index was below 1,000 fish on May 15. This week at Bonneville an increased incidence of descaling occurred at Bonneville Dam. SMP crews reported descaling rates as high as 18% for Chinook and 10% for coho, in May 13 samples taken from 1100 to 0700 hours on May 14. The rate was a bit lower for the fish sampled from 0700 hours to noon (6-7%) on May 14, but was still considered much higher than normally observed. FPAC requested that debris be removed from trash racks. The COE reported that trash racks were raked on May 14. Subsequent samples at Bonneville Dam indicated a decrease in the incidence of descaling to under 1% for steelhead on May 15, while yearling Chinook descaling rate was just over 4% on that date.

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 Nez Perce Tribal release of approximately 200,000 subyearling Chinook to Lapwai Creek was scheduled to end this week. Nearly 370,000 summer steelhead were scheduled for release into this zone this week. Of these, about 67% were scheduled for release into the Salmon River, while the remaining 33% were scheduled for release into the Wallowa River. There were no other scheduled releases of juvenile salmonid to this zone this week.

Approximately 2.2 million subyearling fall Chinook are scheduled for release into this zone over the next two weeks. Of these, 800,000 from the Umatilla Hatchery will be released into the Snake River, below Hells Canyon Dam, beginning May 20th. Also scheduled for release into the Snake River are 400,000 subyearling Chinook

juveniles from Pittsburg Landing Acclimation Pond and 500,000 juveniles from Captain Johns Rapids Acclimation Pond. Finally, about 500,000 of these subyearlings will be released from the Big Canyon Creek Acclimation Facility on the Clearwater River. These acclimation releases are scheduled to take place during the last week of May.

Mid-Columbia Zone: The Mid-Columbia Zone encompasses the area of the Columbia River and its tributaries from McNary Dam to Chief Joseph Dam. Several volitional releases totaling approximately 1.26 million yearling spring Chinook were scheduled to end this week. Of these, approximately 51% were being release from acclimation facilities on the Yakima River, while the remaining 49% were released into the Wenatchee River. Wells Hatchery was scheduled to begin releasing approximately 242,000 subyearling Chinook juveniles into the Mid-Columbia River this week. This release is expected to end next week. In addition, nearly 143,000 yearling summer Chinook juveniles were scheduled for release into the Mid-Columbia River this week. Finally, the Yakama Tribal releases of coho to the Methow, Wenatchee, and Yakima rivers continued this week. These releases are part of the tribal program to re-establish coho runs to these basins and are expected to run through the end of May.

Several on-going releases of summer steelhead to the Methow and Okanogan rivers are scheduled to end early next week. These releases began in late April and are expected to total about 448,000 juveniles. There are no other scheduled releases of juvenile salmonids to 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. Approximately 600,000 subyearling fall Chinook were scheduled for release into the Umatilla River this week. Also, several releases of summer and winter steelhead to the White Salmon, Hood, and Klickitat rivers were scheduled to end this week. In all, these releases are expected to total nearly 119,000 summer steelhead and 85,616 winter steelhead juveniles. There are no other releases of juvenile salmonids scheduled for this zone over the next two weeks.

Adult Fish Passage

Adult counts at Bonneville Dam have been updated through May 15th. Between March 15th and May 15th, 101,170 adult spring Chinook had passed Bonneville Dam. Daily adult spring Chinook counts at Bonneville ranged from 2,129 to 5,596. The 2008 count was about 1.83 times larger than the 2007 adult spring Chinook count of 55,028 at Bonneville Dam but is about 76.1% of the ten year average. The 2008 spring Chinook jack count at Bonneville Dam of 10,564 is about 93.1% of the 2007 count and is 1.58 times higher than the ten year average. The 2008 Bonneville adult steelhead count was 2,499 fish, as of May 15th, which was 107 more fish when compared to the 2007 count of 2,392 fish. The 2008 wild steelhead count at Bonneville Dam was 776 fish. At Willamette Falls Dam, the 2008 count for steelhead was 7,596, as of May 14th. This year's steelhead count has 92 fewer fish than the 2007 count of 7,688 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 21 to 36 adult steelhead last week. The total steelhead count passing at Lower Granite Dam as of May 14th was 7,651. The 2008 count was about 72.5% of the 2007 count of 10,545. The 2008 Lower Granite adult steelhead count had 274 more fish than the 10-year average count of 7,377. The 2008 wild steelhead count at Lower Granite Dam as of May 14th was 2,383. At Rock Island Dam, as of May 14th, 202 adult steelhead had been counted and at Rocky Reach Dam 375 adult steelhead had been counted so far this season.

Washington and Oregon officials have downgraded their forecast of 2008 upper Columbia River spring Chinook salmon run size from 269,300 to 180,000 or less. Washington and Oregon state officials met on Monday and decided to postpone the fishery for hatchery origin summer steelhead from Interstate 5 downstream to the ocean. This action was taken to avoid incidental catches of spring Chinook salmon. Allen Thomas,

a Columbian staff writer, reported in an article on Monday May 12th that the start of summer steelhead fishing in the lower Columbia River was scheduled to open on Friday, however, it is being postponed indefinitely for the former stated reason.

A statement from the National Oceanic and Atmospheric Administration on May 14th stated that the six sea lions found dead on May 4th in traps near Bonneville Dam actually died of heat exhaustion. The determination was made after reviewing necropsy findings on four of the sea lions that were found dead. Investigators hope studies of tissue samples will be able to provide more conclusive information.

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
05/02/2008	98.3	0.0	101.1	0.0	102.9	7.5	102.8	0.0	103.8	11.8	110.1	16.5	104.0	20.3
05/03/2008	98.2	0.0	99.7	0.0	102.8	7.3	97.0	0.0	100.5	11.5	93.5	17.4	96.2	20.5
05/04/2008	63.5	0.0	65.4	0.0	82.4	6.1	88.8	0.0	92.8	9.8	100.2	17.5	96.2	20.1
05/05/2008	105.7	0.0	103.4	0.0	99.2	7.9	92.5	0.2	94.3	11.4	96.6	17.3	91.2	20.2
05/06/2008	107.5	0.0	108.6	0.0	113.8	8.0	108.2	0.0	112.4	11.1	100.7	18.5	94.8	20.5
05/07/2008	112.0	0.0	111.4	0.0	121.7	8.3	125.9	0.0	131.9	10.5	136.5	19.6	128.4	22.2
05/08/2008	117.7	0.0	125.9	0.0	137.7	8.7	130.4	0.0	134.8	13.0	144.4	19.2	142.8	21.4
05/09/2008	139.8	0.0	133.9	0.0	145.1	8.9	139.4	0.0	142.6	13.8	152.8	19.2	146.8	21.5
05/10/2008	121.0	0.0	130.0	0.0	138.0	8.6	135.4	0.0	138.1	13.2	146.0	19.1	148.9	21.6
05/11/2008	124.0	0.0	118.0	0.0	133.1	8.7	131.0	0.0	139.6	14.1	156.7	19.0	147.6	22.1
05/12/2008	155.5	0.0	156.3	0.0	163.4	10.0	155.4	0.0	157.9	14.7	156.4	19.1	158.0	19.8
05/13/2008	134.7	0.0	151.2	0.0	171.2	10.0	168.4	0.0	172.1	16.0	170.5	28.2	158.7	24.4
05/14/2008	129.1	0.0	127.5	0.0	150.9	10.0	149.7	0.0	156.0	16.1	168.1	26.9	176.3	20.5
05/15/2008	131.0	0.0	126.4	0.0	130.5	10.0	125.5	0.0	132.9	16.8	158.5	18.9	150.7	20.6

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
05/02/2008	10.7	0.0	17.5	14.5	63.5	20.4	62.3	28.0	60.7	23.8	61.7	22.8		
05/03/2008	10.8	0.0	16.6	14.8	62.3	20.3	62.1	29.1	61.5	23.8	65.2	19.5		
05/04/2008	10.8	0.0	17.4	17.2	63.2	20.3	63.1	29.0	61.2	23.8	64.9	43.7		
05/05/2008	10.7	0.0	18.1	20.1	74.0	20.2	72.0	30.7	71.2	23.1	76.9	50.8		
05/06/2008	10.7	0.0	19.4	13.6	83.9	20.1	82.0	31.3	79.5	20.6	81.0	30.6		
05/07/2008	10.4	0.0	19.6	15.7	87.5	20.3	84.8	31.1	86.6	19.7	88.0	26.2		
05/08/2008	7.5	0.0	20.9	20.5	101.2	32.8	100.7	34.6	100.8	21.5	105.3	54.1		
05/09/2008	7.4	0.0	20.9	21.4	97.8	28.6	95.2	32.2	94.1	24.5	97.4	59.8		
05/10/2008	7.4	0.0	21.0	21.6	93.4	24.2	91.6	27.4	90.7	26.6	95.2	39.3		
05/11/2008	7.2	0.0	19.7	21.6	89.5	20.5	86.9	23.8	85.1	27.9	87.0	26.2		
05/12/2008	5.0	0.0	19.9	24.0	88.5	20.7	86.8	23.8	87.6	26.2	91.3	28.2		
05/13/2008	4.9	0.0	19.1	23.7	87.0	20.7	85.2	25.6	83.5	22.8	85.9	25.8		
05/14/2008	5.0	0.0	17.9	9.8	76.4	20.6	74.3	22.1	71.9	24.0	75.8	44.3		
05/15/2008	5.0	0.0	---	---	79.9	20.5	77.3	23.1	77.9	26.7	81.2	56.4		

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
05/02/2008	195.7	78.3	213.7	81.0	207.0	82.9	218.0	100.1	12.3	94.2
05/03/2008	182.6	73.5	180.4	72.3	169.4	67.7	183.3	101.0	0.7	70.6
05/04/2008	154.3	62.3	147.4	59.0	140.0	56.1	159.5	101.1	0.0	47.0
05/05/2008	190.8	76.5	190.1	76.0	188.8	75.7	201.0	99.1	7.2	83.3
05/06/2008	187.6	75.1	191.9	61.4	186.7	74.4	209.8	95.7	10.8	91.9
05/07/2008	241.4	96.9	240.3	72.5	230.4	92.2	236.8	97.0	37.8	90.7
05/08/2008	239.8	96.4	230.7	69.6	222.6	88.9	237.8	102.4	33.6	90.4
05/09/2008	285.6	114.5	290.9	87.3	284.2	113.3	298.0	102.4	64.7	119.5
05/10/2008	268.1	107.6	268.2	97.0	262.6	105.0	300.5	99.4	68.0	121.7
05/11/2008	224.1	89.7	209.4	84.0	203.1	81.6	239.5	97.1	29.7	101.3
05/12/2008	275.7	110.6	292.7	111.2	282.6	113.0	273.2	110.6	58.2	94.4
05/13/2008	265.6	107.0	263.8	105.5	263.4	105.3	297.8	97.4	67.4	121.6
05/14/2008	252.6	101.5	236.4	77.3	226.8	90.8	252.5	97.5	49.4	94.3
05/15/2008	253.1	101.5	260.9	78.4	249.7	99.6	272.7	97.1	52.6	111.6

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											
	05/06/08	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/13/08	Chinook + Steelhead	99	0	0	0.00%	0.00%	0	0	0	0
Little Goose Dam											
	05/06/08	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0
	05/12/08	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Lower Monumental Dam											
	05/05/08	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0
	05/13/08	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0
McNary Dam											
	05/08/08	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
	05/14/08	Chinook + Steelhead	100	0	0	0.00%	0.00%	0	0	0	0
Bonneville Dam											
	05/06/08	Chinook + Steelhead	100	1	0	0.00%	0.00%	0	0	0	0
	05/10/08	Chinook + Steelhead	104	1	1	0.96%	0.00%	1	0	0	0
	05/13/08	Chinook + Steelhead	104	0	0	0.00%	0.00%	0	0	0	0
Rock Island Dam											
	05/05/08	Chinook + Steelhead	100	6	6	6.00%	0.00%	5	1	0	0
	05/08/08	Chinook + Steelhead	100	3	3	3.00%	0.00%	2	1	0	0
	05/12/08	Chinook + Steelhead	100	2	2	2.00%	0.00%	2	0	0	0
	05/15/08	Chinook + Steelhead	100	1	1	1.00%	0.00%	1	0	0	0

HATCHERY RELEASE LAST TWO WEEKS

Hatchery Release Summary

From: **5/2/2008** to **05/15/08**

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
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 Total					200,000				
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				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Complex	ST	SU	2008	120,000	05-10-08	05-10-08	Wallowa Acclim Pond	Wallowa River
Oregon Dept. of Fish and Wildlife	Umatilla Hatchery	CH0	FA	2008	300,000	05-15-08	05-15-08	Umatilla River	Umatilla River
Oregon Dept. of Fish and Wildlife Total					420,000				
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	100,000	05-08-08	05-09-08	East Fk Salmon River	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	103,000	05-12-08	05-16-08	Yankee Fk (Salmon R)	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	144,000	05-12-08	05-16-08	Yankee Fk (Salmon R)	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	782,000	04-16-08	05-07-08	Salmon River (ID)	Salmon River (ID)
U.S. Fish and Wildlife Service	Winthrop NFH	ST	SU	2008	118,470	05-08-08	05-08-08	Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service Total					1,247,470				
Umatilla Tribe	Umatilla Hatchery	CH0	FA	2008	300,000	05-15-08	05-15-08	Thornhollow Acclim Pond	Umatilla River
Umatilla Tribe Total					300,000				
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2008	132	05-15-08	05-15-08	Hood River	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2008	26,918	04-24-08	05-23-08	Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2008	37,698	04-25-08	05-15-08	E Fk Hood River	Hood River
Warm Springs Tribe	Round Butte Hatchery	CH1	SP	2008	68,320	04-23-08	05-09-08	Blackberry Acclim Pond	Hood River
Warm Springs Tribe Total					133,068				
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	604,335	04-16-08	05-07-08	Similkameen Acclim Pd	Okanogan 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	05-12-08	05-15-08	Turtle Rock Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	CH1	SU	2008	99,000	05-12-08	05-15-08	Chelan Falls	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	6,000	05-05-08	05-09-08	Chiwawa River	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	43,000	05-05-08	05-09-08	Chiwawa River	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	87,000	05-05-08	05-09-08	Wenatchee River	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	95,000	05-05-08	05-09-08	Nason Creek	Wenatchee River
Washington Dept. of Fish and Wildlife	Turtle Rock Hatchery	ST	SU	2008	97,567	05-05-08	05-09-08	Wenatchee River	Wenatchee River
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH0	SU	2008	242,400	05-13-08	05-20-08	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH1	SU	2008	313,448	04-14-08	05-09-08	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	90,000	04-21-08	05-19-08	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	110,000	04-21-08	05-19-08	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	110,000	04-21-08	05-19-08	Methow River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	138,000	04-21-08	05-19-08	Okanogan River	Okanogan River
Washington Dept. of Fish and Wildlife Total					2,834,500				
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	Cle Elem Hatchery	CH1	SP	2008	211,004	03-15-08	05-15-08	Clark Flat Acclim Pond	Yakima River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2008	217,146	03-15-08	05-15-08	Jack Creek Acclim 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	Klickitat Hatchery	CO	NO	2008	1,093,800	05-07-08	05-07-08	Klickitat River	Klickitat River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2008	55,000	05-09-08	05-09-08	Stiles Pond	Yakima River
Yakama Tribe	Prosser Acclim. Pond	CH0	FA	2008	55,000	05-09-08	05-09-08	Yakama River	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	83,866	05-05-08	05-05-08	Methow River	Methow River
Yakama Tribe	Willard Hatchery	CO	UN	2008	211,543	05-01-08	05-15-08	Wells Hatchery	Mid-Columbia River
Yakama Tribe Total					2,554,631				
Grand Total					7,889,669				

HATCHERY RELEASE NEXT TWO WEEKS

Hatchery Release Summary

From: 5/16/2008 to 5/29/2008

Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Lyons Ferry Hatchery	CH0	FA	2008	400,000	05-26-08	05-27-08	Pittsburg Landing Acclim Pond	Snake River
Nez Perce Tribe	Lyons Ferry Hatchery	CH0	FA	2008	500,000	05-26-08	05-26-08	Cpt John Acclim Pond Big Canyon (Clearwater River)	Snake River Clearwater River M F
Nez Perce Tribe Total					1,400,000				
Oregon Dept. of Fish and Wildlife	Umatilla Hatchery	CH0	FA	2008	800,000	05-20-08	05-21-08	Hells Canyon Dam	Snake River
Oregon Dept. of Fish and Wildlife Total					800,000				
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	103,000	05-12-08	05-16-08	Yankee Fk (Salmon R)	Salmon River (ID)
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2008	144,000	05-12-08	05-16-08	Yankee Fk (Salmon R)	Salmon River (ID)
U.S. Fish and Wildlife Service Total					247,000				
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2008	26,918	04-24-08	05-23-08	Parkdale Acclim Pond	Hood River
Warm Springs Tribe Total					26,918				
Washington Dept. of Fish and Wildlife	Wells Hatchery	CH0	SU	2008	242,400	05-13-08	05-20-08	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	90,000	04-21-08	05-19-08	Twisp River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	110,000	04-21-08	05-19-08	Chewuch River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	110,000	04-21-08	05-19-08	Methow River	Methow River
Washington Dept. of Fish and Wildlife	Wells Hatchery	ST	SU	2008	138,000	04-21-08	05-19-08	Okanogan River	Okanogan River
Washington Dept. of Fish and Wildlife Total					690,400				
Grand Total					3,164,318				

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>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
5/2	96	96	97	24	105	107	107	22	107	108	109	24	105	105	106	22	105	105	106	24
5/3	97	97	97	24	106	107	108	22	108	108	109	24	106	106	107	22	106	106	106	24
5/4	97	97	97	24	106	107	107	22	107	107	107	24	106	106	107	22	106	107	107	24
5/5	97	97	97	24	106	107	108	19	108	109	109	24	107	107	108	19	107	107	108	24
5/6	97	97	98	24	108	110	114	23	107	108	108	24	106	107	108	23	107	107	108	23
5/7	97	97	98	24	110	112	113	24	108	109	109	24	107	107	108	24	107	107	108	24
5/8	97	97	98	24	114	115	116	22	107	108	108	24	106	106	108	22	106	106	107	24
5/9	97	97	97	24	116	117	117	21	108	108	109	24	106	106	107	21	106	106	106	24
5/10	97	97	98	24	115	116	117	22	109	109	110	24	106	107	108	22	105	106	106	24
5/11	98	98	99	24	115	116	116	23	109	109	110	24	106	107	107	23	106	106	106	24
5/12	97	97	98	24	115	116	116	23	107	107	108	24	105	106	106	23	105	106	106	24
5/13	97	97	98	24	115	116	116	19	108	109	109	24	105	106	107	19	105	106	106	24
5/14	97	97	97	24	114	115	115	23	108	108	109	24	105	106	108	23	105	105	105	24
5/15	97	97	97	24	115	116	118	24	107	107	108	24	105	106	106	24	105	106	106	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>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
5/2	105	105	106	24	105	106	107	24	107	108	108	24	106	106	107	24	106	106	107	24
5/3	106	107	107	24	106	107	108	24	108	108	109	24	106	107	107	24	106	107	107	24
5/4	106	107	109	24	106	107	108	23	108	109	110	23	107	108	108	24	107	108	108	24
5/5	106	107	107	24	107	108	109	24	109	110	110	24	108	109	109	24	108	109	109	24
5/6	106	107	107	24	107	108	109	24	109	110	110	24	108	109	109	24	109	109	109	24
5/7	107	107	108	24	107	108	108	24	109	109	110	24	108	109	109	24	109	109	109	24
5/8	105	106	106	24	106	107	108	24	108	109	110	24	108	108	108	24	108	108	108	24
5/9	105	105	106	24	106	107	108	24	108	108	109	24	107	108	108	24	107	108	108	24
5/10	105	105	106	24	106	106	107	24	108	108	108	24	108	108	108	24	108	108	109	24
5/11	105	105	106	24	105	106	106	24	107	107	108	24	107	107	108	24	107	108	108	24
5/12	105	105	106	24	105	105	106	24	106	107	107	24	106	106	106	24	106	106	106	24
5/13	105	105	105	24	105	106	106	23	107	107	107	23	106	106	106	24	106	106	106	24
5/14	104	104	105	24	105	105	105	24	106	107	107	24	105	106	106	24	106	106	106	24
5/15	104	105	105	24	105	106	106	24	106	107	108	24	106	106	107	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>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
5/2	106	107	107	24	110	111	113	24	108	109	111	24	110	111	111	24	110	110	112	24
5/3	107	107	107	24	110	111	112	24	108	109	110	24	111	112	112	24	110	110	111	24
5/4	107	108	109	24	111	112	114	24	109	111	111	24	112	113	113	24	112	115	120	24
5/5	109	109	109	24	112	114	117	24	110	111	112	24	112	113	113	24	113	114	117	24
5/6	109	109	110	24	111	112	116	24	109	110	110	24	112	113	113	24	111	112	114	24
5/7	108	108	109	24	110	111	115	24	108	108	109	24	112	112	113	24	109	109	110	24
5/8	108	108	109	24	110	111	113	24	107	108	108	24	111	111	111	24	108	109	110	24
5/9	107	108	108	24	109	110	111	24	106	107	108	22	110	111	111	24	109	110	111	24
5/10	108	108	108	24	110	110	111	24	107	108	109	24	111	112	115	24	110	111	112	24
5/11	107	107	108	24	109	109	110	24	107	108	109	24	111	111	112	24	110	110	110	24
5/12	106	106	107	24	108	109	109	24	106	106	106	24	109	110	111	24	108	109	109	24
5/13	106	106	106	24	108	109	109	24	106	106	107	24	110	110	111	24	109	110	110	24
5/14	106	106	106	24	108	109	110	24	---	---	---	0	---	---	---	0	---	---	---	0
5/15	106	106	107	24	109	110	112	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>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
5/2	112	113	113	24	106	107	108	24	96	97	97	24	100	101	102	24	102	103	104	24
5/3	112	113	113	24	109	109	110	24	96	97	97	24	100	101	102	24	102	103	104	24
5/4	113	114	114	24	109	110	111	24	96	97	97	24	100	101	102	24	102	103	104	24
5/5	114	115	116	24	110	111	112	24	97	98	98	23	100	101	102	23	102	103	104	24
5/6	113	114	114	24	110	111	112	24	98	98	99	24	100	101	102	24	102	103	103	24
5/7	112	112	113	24	109	109	110	24	97	98	98	24	100	101	101	24	102	103	103	24
5/8	111	112	112	24	107	108	109	24	97	97	97	24	101	101	102	24	103	103	104	24
5/9	111	112	112	24	108	109	110	24	97	97	97	24	101	101	102	24	103	104	104	24
5/10	113	113	114	24	108	109	110	24	97	97	97	24	100	101	102	24	103	104	104	24
5/11	112	112	113	24	108	108	109	24	97	97	97	24	100	101	101	24	103	103	104	24
5/12	110	110	111	24	107	108	109	24	97	98	98	24	100	101	102	24	103	103	104	24
5/13	112	112	113	24	107	107	108	24	97	97	98	24	101	101	101	24	103	103	104	24
5/14	---	---	---	0	107	108	109	24	96	97	97	24	100	101	101	24	102	103	103	24
5/15	---	---	---	0	108	109	110	24	96	97	97	24	101	103	103	24	103	104	105	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>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
5/2	102	104	105	24	101	101	101	24	110	110	111	24	106	107	107	24	116	116	117	24
5/3	102	103	105	24	101	102	102	24	110	110	111	24	108	109	111	24	114	117	117	24
5/4	102	104	105	24	103	103	104	24	111	111	111	24	109	109	110	24	114	116	117	24
5/5	101	103	104	23	104	104	105	24	110	111	111	24	111	112	113	24	117	117	117	24
5/6	101	102	103	24	104	104	104	24	110	110	111	24	111	111	112	24	117	117	119	24
5/7	101	101	101	24	103	103	104	24	110	110	110	24	110	110	110	24	114	116	117	24
5/8	101	102	103	24	102	102	102	24	114	117	118	24	108	108	109	24	114	115	116	24
5/9	101	102	103	24	101	102	102	24	114	114	115	24	106	107	107	24	114	115	116	24
5/10	101	102	102	24	102	103	103	24	112	113	115	24	108	109	111	24	112	113	114	24
5/11	101	102	102	24	103	103	103	24	110	110	110	24	110	110	111	24	116	116	116	24
5/12	101	102	104	24	102	102	102	24	110	110	110	24	108	108	109	24	115	116	116	24
5/13	101	102	103	24	102	102	102	24	109	110	110	24	107	107	107	24	111	112	112	24
5/14	101	102	102	24	101	102	102	24	110	110	110	24	106	106	106	24	110	110	111	24
5/15	102	103	104	24	102	102	103	24	110	110	111	24	106	106	107	24	115	116	116	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>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#	<u>24 h</u>		<u>12 h</u>		#
	Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr		Avg	Avg	High	hr	
5/2	111	111	112	24	117	119	120	24	112	112	113	24	113	114	115	24	---	---	---	0
5/3	112	112	112	2	119	119	119	2	113	113	114	24	114	115	115	24	---	---	---	0
5/4	115	116	116	24	115	117	119	24	114	115	116	24	114	116	116	24	---	---	---	0
5/5	116	116	117	24	112	113	114	24	117	118	118	24	116	116	117	24	---	---	---	0
5/6	115	116	117	24	115	116	118	24	117	118	118	24	116	117	117	24	---	---	---	0
5/7	115	116	117	24	115	115	116	24	115	115	117	24	116	116	116	24	---	---	---	0
5/8	114	114	114	24	114	115	116	24	113	113	114	24	117	119	120	24	---	---	---	0
5/9	113	113	114	24	114	114	115	24	113	113	113	24	117	117	120	24	---	---	---	0
5/10	115	116	116	24	115	115	115	24	114	114	114	24	116	117	120	24	---	---	---	0
5/11	113	114	115	24	114	114	114	24	113	113	114	24	115	116	116	24	---	---	---	0
5/12	111	111	112	24	118	120	121	24	112	112	112	24	115	116	116	24	---	---	---	0
5/13	112	112	112	24	119	119	120	24	112	112	112	24	115	115	115	24	---	---	---	0
5/14	112	112	112	24	115	117	119	24	112	112	113	24	115	116	117	24	---	---	---	0
5/15	110	111	111	24	114	115	115	24	113	113	114	24	116	117	118	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>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	AVG	High	hr				
5/2	108	109	109	24	114	114	115	24	108	109	109	24	115	115	116	24	111	111	112	24
5/3	109	109	110	24	115	116	116	24	109	109	109	24	114	115	115	24	112	113	113	24
5/4	110	110	111	24	116	116	116	24	108	108	109	24	114	114	115	24	111	112	112	24
5/5	111	112	113	24	115	115	117	24	109	109	109	24	115	115	116	24	113	113	114	24
5/6	112	113	113	24	115	115	116	24	109	110	110	24	114	114	115	24	111	112	112	24
5/7	112	112	113	24	114	115	116	24	109	109	110	24	114	115	115	24	108	108	110	24
5/8	110	111	111	24	114	115	115	24	108	109	109	24	114	115	116	24	108	108	109	24
5/9	109	110	111	24	115	115	116	24	108	109	109	24	116	117	117	24	109	110	112	24
5/10	111	111	112	24	114	115	115	24	109	109	110	24	116	117	118	24	111	111	112	24
5/11	110	111	112	24	114	114	115	24	107	107	108	24	115	115	116	24	110	110	112	24
5/12	108	108	109	24	115	115	116	24	106	107	107	24	117	118	118	24	109	111	112	24
5/13	108	109	109	24	114	115	115	24	108	108	108	24	116	117	117	24	111	111	112	24
5/14	108	108	108	24	114	114	114	24	106	107	107	24	114	114	115	24	111	111	112	24
5/15	108	109	111	24	114	115	115	24	106	107	108	24	114	115	115	24	110	111	111	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>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr				
5/2	116	116	117	24	112	113	114	24	---	---	---	0	113	114	114	24	118	118	119	24
5/3	116	116	117	24	114	114	114	24	---	---	---	0	114	115	116	21	117	118	118	24
5/4	116	116	117	24	114	114	115	24	---	---	---	0	116	118	119	22	118	118	119	24
5/5	116	117	117	24	115	116	116	24	---	---	---	0	118	119	121	24	117	118	118	24
5/6	115	116	116	24	113	114	115	24	---	---	---	0	115	115	116	24	117	117	117	24
5/7	114	114	115	24	110	110	112	24	---	---	---	0	112	113	113	24	118	119	119	24
5/8	114	114	115	24	108	109	109	24	---	---	---	0	111	113	113	24	119	120	130	24
5/9	115	116	116	24	110	111	112	24	---	---	---	0	112	113	114	24	120	121	122	24
5/10	116	117	117	24	114	115	115	24	---	---	---	0	113	114	114	24	121	121	122	24
5/11	115	115	116	24	112	113	114	24	---	---	---	0	112	113	114	24	118	119	120	24
5/12	115	116	117	24	110	110	111	24	---	---	---	0	112	113	113	24	120	121	127	24
5/13	116	116	117	24	112	113	113	24	---	---	---	0	113	114	115	24	120	120	121	24
5/14	115	116	116	24	112	113	113	24	---	---	---	0	113	114	115	24	118	119	120	24
5/15	116	116	117	24	114	115	115	24	---	---	---	0	115	116	117	24	119	120	121	24

Two-Week Summary of Passage Indices

* One or more of the sites on this date had an incomplete or biased sample.

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

For clip information see: <http://www.fpc.org/CurrentDaily/catch.htm>

For sockeye and yearling chinook (Snake only) race information see: <http://www.fpc.org/smoltqueries/currentsmppsubmitdata.asp>

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)	
05/02/2008	*	1,214	72	295	271	112,073	20,892	16,232	335	---	10,538	20,637
05/03/2008	*	724	59	168	300	105,345	30,115	18,280	214	18,668	9,011	17,279
05/04/2008	*	391	26	140	139	92,715	91,368	13,318	174	---	10,975	21,725
05/05/2008	*	173	18	368	171	100,818	56,334	10,434	128	14,147	10,455	19,051
05/06/2008	*	279	---	275	434	163,678	54,810	14,651	158	---	7,317	21,846
05/07/2008	*	361	---	134	991	195,672	68,525	22,095	171	25,352	9,577	28,156
05/08/2008	*	159	---	113	918	271,477	102,962	23,357	386	---	16,825	32,347
05/09/2008	*	---	8	162	934	256,057	102,652	33,630	354	94,407	25,416	35,673
05/10/2008	*	---	18	146	694	208,207	113,949	31,628	606	---	30,417	47,192
05/11/2008		---	5	95	231	212,877	166,278	51,719	388	107,292	29,926	35,885
05/12/2008	*	---	4	162	121	198,374	166,034	39,748	412	---	31,576	31,101
05/13/2008		7	9	214	92	150,101	109,396	30,580	375	133,214	40,357	44,801
05/14/2008	*	28	14	143	53	85,237	93,300	41,483	427	---	34,898	41,017
05/15/2008	*	19	---	252	23	67,258	86,185	29,423	547	117,763	35,115	39,355
05/16/2008		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		3,355	233	2,667	5,372	2,219,889	1,262,800	376,578	4,675	510,843	302,403	436,065
# Days:		10	10	14	14	14	14	14	14	7	14	14
Average:		336	23	191	384	158,564	90,200	26,898	334	72,978	21,600	31,148
YTD		56,037	78,577	19,319	7,109	2,830,558	1,385,414	458,489	6,345	644,999	449,462	772,808

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)	
05/02/2008	*	0	0	0	0	0	2	0	1	---	0	1,075
05/03/2008	*	0	0	0	0	298	0	0	4	102	28	9,221
05/04/2008	*	0	0	0	0	0	95	0	0	---	0	233,573
05/05/2008	*	0	0	0	1	1,449	0	0	0	341	0	242,780
05/06/2008	*	0	---	0	0	0	0	0	1	---	0	102,484
05/07/2008	*	0	---	0	9	263	0	0	10	68	0	34,895
05/08/2008	*	0	---	2	6	0	309	0	3	---	0	18,869
05/09/2008	*	---	0	0	13	0	0	0	13	2	0	16,544
05/10/2008	*	---	0	0	5	0	0	0	3	---	0	5,060
05/11/2008		---	0	0	2	0	0	0	3	253	0	6,009
05/12/2008	*	---	0	0	2	0	0	0	1	---	0	2,881
05/13/2008		0	0	0	0	261	0	0	3	422	249	4,260
05/14/2008	*	0	0	0	0	0	0	0	0	---	0	1,489
05/15/2008	*	0	---	0	1	558	0	0	4	508	0	593
05/16/2008		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	2	39	2,829	406	0	46	1,696	277	679,733
# Days:		10	10	14	14	14	14	14	14	7	14	14
Average:		0	0	0	3	202	29	0	3	242	20	48,552
YTD		0	0	2	77	5,138	458	0	507	1,871	277	1,997,281

Two-Week Summary of Passage Indices

		COMBINED COHO										
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	*	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
05/02/2008	*	0	0	0	3	2,006	714	0	5	---	253	2,436
05/03/2008	*	0	0	0	6	1,194	94	168	3	102	529	2,092
05/04/2008	*	0	0	0	8	1,789	95	169	8	---	134	1,642
05/05/2008	*	0	0	0	6	1,159	466	157	2	0	727	1,330
05/06/2008	*	0	---	0	7	4,307	83	0	6	---	898	1,284
05/07/2008	*	0	---	0	67	3,944	321	263	15	306	858	2,450
05/08/2008	*	0	---	0	41	14,482	928	251	182	---	2,224	5,905
05/09/2008	*	---	0	0	30	8,655	1,565	675	61	2,763	5,791	7,884
05/10/2008	*	---	0	0	26	7,899	1,435	0	95	---	14,634	16,947
05/11/2008		---	0	0	19	4,268	5,704	1,101	111	3,886	10,637	10,155
05/12/2008	*	---	0	0	8	5,481	5,525	1,967	133	---	2,500	12,120
05/13/2008		0	0	0	5	4,184	7,193	141	246	7,346	9,346	13,880
05/14/2008	*	0	0	0	4	2,645	1,148	278	310	---	13,333	8,831
05/15/2008	*	0	---	0	1	1,674	2,576	161	491	11,016	7,684	8,053
05/16/2008		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		0	0	0	231	63,687	27,847	5,331	1,668	25,419	69,548	95,009
# Days:		10	10	14	14	14	14	14	14	7	14	14
Average:		0	0	0	17	4,549	1,989	381	119	3,631	4,968	6,786
YTD		0	0	0	264	66,101	28,050	5,351	1,706	26,399	70,414	131,560

		COMBINED STEELHEAD										
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	*	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
05/02/2008	*	743	405	287	317	85,129	44,640	14,143	52	---	8,691	2,795
05/03/2008	*	278	345	197	461	111,313	38,928	35,721	42	24,092	14,596	2,480
05/04/2008	*	211	559	128	479	124,614	66,845	21,916	76	---	14,716	4,951
05/05/2008	*	141	1,774	280	216	152,095	34,884	23,563	49	18,592	20,477	7,976
05/06/2008	*	203	---	188	308	155,063	67,907	19,212	123	---	19,647	11,564
05/07/2008	*	82	---	210	504	84,992	245,330	9,864	193	46,662	20,202	25,139
05/08/2008	*	108	---	235	601	116,648	131,398	16,576	298	---	27,484	12,964
05/09/2008	*	---	234	211	724	166,526	139,253	19,178	419	61,838	63,636	20,034
05/10/2008	*	---	451	90	300	161,939	136,030	12,400	675	---	68,920	17,535
05/11/2008		---	386	44	262	126,179	269,229	37,853	653	52,127	57,454	13,540
05/12/2008	*	---	631	82	184	153,218	118,531	32,540	508	---	44,173	58,726
05/13/2008		45	572	62	149	117,413	112,671	18,857	702	54,001	42,724	34,220
05/14/2008	*	65	439	45	69	48,213	87,536	17,261	900	---	36,030	27,320
05/15/2008	*	56	---	210	56	50,513	45,233	15,756	583	40,233	27,446	32,224
05/16/2008		---	---	---	---	---	---	---	---	---	---	---
<hr/>												
Total:		1,932	5,796	2,269	4,630	1,653,855	1,538,415	294,840	5,273	297,545	466,196	271,468
# Days:		10	10	14	14	14	14	14	14	7	14	14
Average:		193	580	162	331	118,133	109,887	21,060	377	42,506	33,300	19,391
YTD		4,565	21,677	5,507	8,463	2,316,227	1,952,517	336,267	5,526	342,922	497,401	290,374

Two-Week Summary of Passage Indices

COMBINED SOCKEYE												
	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2	
Date	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	
05/02/2008	*	0	0	0	0	0	0	16	---	36	0	
05/03/2008	*	0	0	0	0	0	0	19	408	0	0	
05/04/2008	*	0	0	0	0	0	0	17	---	34	0	
05/05/2008	*	0	0	0	0	290	0	9	85	113	0	
05/06/2008	*	0	---	0	0	0	0	10	---	67	0	
05/07/2008	*	0	---	0	0	0	0	20	679	29	136	
05/08/2008	*	0	---	0	0	0	0	37	---	215	128	
05/09/2008	*	---	0	0	0	0	0	44	2,130	172	0	
05/10/2008	*	---	0	0	0	564	0	67	---	331	0	
05/11/2008		---	0	0	0	267	285	220	55	1,774	273	25
05/12/2008	*	---	0	0	14	0	0	81	---	129	412	
05/13/2008		25	0	0	19	261	0	92	6,080	873	550	
05/14/2008	*	8	0	0	11	0	0	85	---	512	313	
05/15/2008	*	4	---	0	3	0	0	94	11,868	1,312	543	
05/16/2008		---	---	---	---	---	---	---	---	---	---	
<hr/>												
Total:		37	0	0	47	1,382	285	220	646	23,024	4,096	2,107
# Days:		10	10	14	14	14	14	14	14	7	14	14
Average:		4	0	0	3	99	20	16	46	3,289	293	151
YTD		37	0	0	50	1,883	321	352	697	23,619	4,122	2,159

* See sampling comments

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

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

Definitions for Smolt Index Counts

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

IMN (Collection) = Imnaha River Trap : Collection Counts

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Two Week Transportation Summary

Source: Fish Passage Center

Updated:

5/16/08 11:03 AM

		05/02/08	TO	05/16/08			
		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	2,000	1,615,494	46,600	1,000	1,191,906	2,857,000
	Sum of NumberBarged	1,985	1,519,776	46,511	955	1,182,589	2,751,816
	Sum of NumberBypassed	10	92,330	73	28	9,099	101,540
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	41	1	0	15	57
	Sum of FacilityMorts	5	1,484	15	17	203	1,724
	Sum of ResearchMorts	0	1,863	0	0	0	1,863
	Sum of TotalProjectMorts	5	3,388	16	17	218	3,644
LGS	Sum of NumberCollected	251	834,492	19,400	200	1,010,893	1,865,236
	Sum of NumberBarged	0	519,702	16,800	200	542,857	1,079,559
	Sum of NumberBypassed	250	314,550	2,600	0	467,949	785,349
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	5	0	0	3	8
	Sum of FacilityMorts	1	235	0	0	84	320
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1	240	0	0	87	328
LMN	Sum of NumberCollected		261,151	3,691	149	199,301	464,292
	Sum of NumberBarged		69,663	400	0	35,129	105,192
	Sum of NumberBypassed		192,442	3,291	149	164,140	360,022
	Sum of Numbertrucked		0	0	0	0	0
	Sum of SampleMorts		3	0	0	2	5
	Sum of FacilityMorts		43	0	0	30	73
	Sum of ResearchMorts		0	0	0	0	0
	Sum of TotalProjectMorts		46	0	0	32	78
MCN	Sum of NumberCollected	1,001	301,842	15,022	13,601	175,643	507,109
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	1,000	301,806	15,026	13,599	175,563	506,994
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	19	0	0	12	31
	Sum of FacilityMorts	1	74	0	4	107	186
	Sum of ResearchMorts	0	15	0	0	9	24
	Sum of TotalProjectMorts	1	108	0	4	128	241
Total Sum of NumberCollected		3,252	3,012,979	84,713	14,950	2,577,743	5,693,637
Total Sum of NumberBarged		1,985	2,109,141	63,711	1,155	1,760,575	3,936,567
Total Sum of NumberBypassed		1,260	901,128	20,990	13,776	816,751	1,753,905
Total Sum of Numbertrucked		0	0	0	0	0	0
Total Sum of SampleMorts		0	68	1	0	32	101
Total Sum of FacilityMorts		7	1,836	15	21	424	2,303
Total Sum of ResearchMorts		0	1,878	0	0	9	1,887
Total Sum of TotalProjectMorts		7	3,782	16	21	465	4,291

YTD Transportation Summary

Source: Fish Passage Center

Updated:

5/16/08 11:03 AM

TO: 05/16/08

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	3,543	2,020,483	48,242	1,310	1,633,350	3,706,928
	Sum of NumberBarged	2,277	1,624,030	46,801	1,099	1,281,584	2,955,791
	Sum of NumberBypassed	1,258	392,063	1,424	194	351,520	746,459
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	2	117	1	0	27	147
	Sum of FacilityMorts	6	1,710	16	17	219	1,968
	Sum of ResearchMorts	0	2,563	0	0	0	2,563
	Sum of TotalProjectMorts	8	4,390	17	17	246	4,678
LGS	Sum of NumberCollected	283	908,036	19,526	221	1,260,234	2,188,300
	Sum of NumberBarged	0	519,702	16,800	200	542,857	1,079,559
	Sum of NumberBypassed	282	388,083	2,726	21	717,288	1,108,400
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	9	0	0	5	14
	Sum of FacilityMorts	1	242	0	0	84	327
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	1	251	0	0	89	341
LMN	Sum of NumberCollected		308,296	3,701	219	223,168	535,384
	Sum of NumberBarged		69,663	400	0	35,129	105,192
	Sum of NumberBypassed		239,119	3,301	219	187,977	430,616
	Sum of NumberTrucked		0	0	0	0	0
	Sum of SampleMorts		17	0	0	2	19
	Sum of FacilityMorts		488	0	0	60	548
	Sum of ResearchMorts		0	0	0	0	0
	Sum of TotalProjectMorts		505	0	0	62	567
MCN	Sum of NumberCollected	1,108	411,893	15,767	13,951	202,429	645,148
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	1,107	411,782	15,771	13,949	202,334	644,943
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of SampleMorts	0	48	0	0	15	63
	Sum of FacilityMorts	1	109	0	4	115	229
	Sum of ResearchMorts	0	20	0	0	11	31
	Sum of TotalProjectMorts	1	177	0	4	141	323
Total Sum of NumberCollected		4,934	3,648,708	87,236	15,701	3,319,181	7,075,760
Total Sum of NumberBarged		2,277	2,213,395	64,001	1,299	1,859,570	4,140,542
Total Sum of NumberBypassed		2,647	1,431,047	23,222	14,383	1,459,119	2,930,418
Total Sum of NumberTrucked		0	0	0	0	0	0
Total Sum of SampleMorts		2	191	1	0	49	243
Total Sum of FacilityMorts		8	2,549	16	21	478	3,072
Total Sum of ResearchMorts		0	2,583	0	0	11	2,594
Total Sum of TotalProjectMorts		10	5,323	17	21	538	5,909

Cumulative Adult Passage at Mainstem Dams Through: 05/15

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	05/15	101170	10564	55028	11345	132777	6681	0	0	0	0	0	0	0	0	0	0	0	0
TDA	05/14	64672	5682	39964	8341	87207	4049	0	0	0	0	0	0	0	0	0	0	0	0
JDA	05/15	50741	4752	32926	7679	71438	3258	0	0	0	0	0	0	0	0	0	0	0	0
MCN	05/14	32710	2346	25720	4552	60511	2379	0	0	0	0	0	0	0	0	0	0	0	0
IHR	05/14	23172	1235	17101	2307	37931	1304	0	0	0	0	0	0	0	0	0	0	0	0
LMN	05/15	20152	951	15205	2363	35263	1176	0	0	0	0	0	0	0	0	0	0	0	0
LGS	05/15	15512	653	10994	1521	31996	1009	0	0	0	0	0	0	0	0	0	0	0	0
LGR	05/14	11442	432	8803	1185	29808	837	0	0	0	0	0	0	0	0	0	0	0	0
PRD	05/14	4206	78	2718	51	12345	64	0	0	0	0	0	0	0	0	0	0	0	0
RIS	05/14	3111	17	1953	85	7328	100	0	0	0	0	0	0	0	0	0	0	0	0
RRH	05/14	566	1	666	11	2405	8	0	0	0	0	0	0	0	0	0	0	0	0
WEL	05/14	91	1	106	1	959	5	0	0	0	0	0	0	0	0	0	0	0	0
WFA	05/14	3228	30	11837	46	-	-	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
	Adult	Jack	Adult	Jack	Adult	Jack							2008
BON	0	0	0	0	0	0	0	0	0	2499	2392	2794	776
TDA	0	0	0	0	0	0	0	0	0	1251	1115	994	492
JDA	-1	0	0	0	0	0	1	0	0	2996	1767	2907	1338
MCN	0	0	0	0	0	0	0	0	0	2354	1791	1600	1067
IHR	0	0	0	0	0	0	0	0	0	3159	2250	1876	1172
LMN	0	0	0	0	0	0	0	0	0	3982	2280	1903	1735
LGS	0	0	0	0	0	0	0	0	0	2596	2267	2158	1025
LGR	0	0	0	0	0	0	0	0	0	7651	10545	7377	2383
PRD	0	0	0	1	0	0	0	0	0	62	28	3	0
RIS	0	0	0	0	0	0	0	0	0	202	42	33	107
RRH	0	0	0	0	0	0	0	0	0	375	138	125	193
WEL	0	0	0	0	0	0	0	0	0	66	33	20	46
WFA	0	0	2	0	-	-	0	0	-	7596	7688	-	-

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

*PRD is not posting wild steelhead numbers.

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

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

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

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

Page last updated on: 05/16/08

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