



Fish Passage Center

Weekly Report #10 - 29

October 15, 2010

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Summary of Events:

Water Supply: Precipitation throughout the Columbia Basin has varied between 76% and 158% of average at individual sub-basins over October. Precipitation above The Dalles has been 117% of average over October. The 2011 Water Year began on October 1, 2010.

Table 1. Summary of October precipitation and cumulative WY 2011 precipitation with respect to average (1971-2000), at select locations within the Columbia and Snake River Basins.

Location	Water Year 2011 October 1-11		Water Year 2011 October 1, 2010 to October 11, 2010	
	Observed (inches)	% Average	Observed (inches)	% Average
Columbia Above Coulee	0.63	96	0.63	96
SNAKE RIVER Above Ice Harbor	0.61	144	0.61	144
Columbia Above The Dalles	0.69	117	0.69	117
Kootenai	0.60	91	0.60	91
Clark Fork	0.62	148	0.62	148
Flathead	0.66	110	0.66	110
Pend Oreille/ Spokane	0.96	127	0.96	127
Central Washington	0.34	158	0.34	158
SNAKE RIVER Plain	0.40	131	0.40	131
Salmon/Boise/ Payette	0.55	125	0.55	125
Clearwater	1.02	133	1.02	133
SW Washington Cascades/Cowlitz	1.88	96	1.88	96
Willamette Valley	1.16	76	1.16	76

The Grand Coulee Reservoir is at 1287.8 feet (10-14-10) and held steady over the last week. Daily average outflows at Grand Coulee have ranged between 57.1 and 90.6 Kcfs over the last week.

The Libby Reservoir is currently at elevation 2441.1 feet (10-14-10) and refilled 0.2 feet last week. Daily average outflows at Libby Dam were 4.5-8.6 Kcfs over the past week.

Hungry Horse is currently at an elevation of 3539.2 feet (10-14-10) and has drafted 0.3 ft last week. Daily average outflows at Hungry Horse have been 1.2 Kcfs over the past week.

Dworshak is currently at an elevation of 1518.3 feet (10-14-10) and has drafted approximately 0.4 feet over the past week. Daily average outflows from Dworshak have been 1.6 Kcfs over the past several weeks.

The Brownlee Reservoir was at an elevation of 2044.9 feet on October 14, 2010 refilling 2.8 feet last week. Over the past week, outflows at Brownlee have ranged between 7.1–14.1 Kcfs.

Smolt Monitoring:

Lower Granite, Little Goose and Bonneville dams continued to sample as of October 15. Subyearling Chinook continued to predominate at all sites but indices decreased at Lower Granite Dam over the past two weeks. While at Bonneville Dam subyearling Chinook indices increased slightly over the past two weeks.

At Lower Granite Dam passage indices for subyearling Chinook increased to over 1,000 per day on October 4 and 5, with the weekly average near 700 per day for the week October 1 to 7. Indices decreased the following week (October 8 to 14) to an average of 550 per day. Little Goose Dam also saw the index decrease over the past two week. At Bonneville Dam the subyearling Chinook daily index averaged 340 per day last week up from the previous week when it averaged 190 per day.

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. Approximately 225,000 spring Chinook pre-smolts from the Nez Perce Tribal Hatchery were scheduled for release into the Clearwater River basin during the first two weeks of October. Of these, about 33% were scheduled for release into Newsome Creek while the remaining 67% were scheduled for release into Lolo Creek. All of these spring Chinook pre-smolts were unmarked and are not expected to out-migrate until spring of 2011. In addition, a total of 49,488 sockeye pre-smolts were released into Pettit and Redfish lakes on October 7, 2010. Of these, 63% were released into Redfish Lake and 37% were released into Pettit Lake. Originally, Snake River sockeye pre-smolt were also scheduled for release into Lake Alturas in October of this year. However, this release was rescheduled and occurred much earlier. On July 27, 2010, 16,363 Snake River sockeye pre-smolts were released into Lake Alturas. All of these sockeye pre-smolts were adipose clipped and are not expected to out-migrate until spring of 2011. There are no other releases of juvenile salmonids scheduled for this zone in the month of October.

Mid-Columbia Zone: The Mid-Columbia Zone encompasses the area of the Columbia River and its tributaries from McNary Dam to Chief Joseph Dam. There were no releases of juvenile salmonids scheduled for this zone this week. However, between October 24th and November 5th, approximately 240,000 sockeye pre-smolts are scheduled for release from the Lake Wenatchee Net Pens into Lake Wenatchee. As with the Snake River sockeye pre-smolts, these sockeye juveniles are not expected to out-migrate until spring of 2011. There are no other releases of juvenile salmonids scheduled for this zone in the month of October.

Lower Columbia Zone: The Lower Columbia Zone is defined as the Columbia River and its tributaries from Bonneville Dam to McNary Dam. There were no releases of juvenile salmonids scheduled for this zone this week. There are also no releases of juvenile salmonids scheduled for this zone over the next two weeks.

Adult Fish Passage :

Daily counts of fall Chinook at Bonneville Dam ranged from 79 to 295. The 2010 adult fall Chinook count of 462,021 is 1.65 times greater than the 2009

count and 1.26 times greater than the 10 average. The 2010 Bonneville Dam fall Chinook jack count of 63,374 is about 55.8% of the 2009 count. However, the 2010 fall Chinook jack count is about 1.27 times greater than the 10 year average. The 2010 McNary Dam adult fall Chinook count of 192,028 is about 1.90 times greater than the 2009 count and about 1.73 times greater than the 10 year average. The 2010 fall Chinook jack McNary Dam jack count of 26,628 is about 43.9% of the 2009 count, while being 1.02 times greater than the 10 year average. The 2010 Lower Granite fall Chinook adult dam count of 39,576 is about 2.77 times greater than the 2009 count and 3.72 times greater than the 10 year average.

Daily steelhead counts at Bonneville Dam for the past week ranged between 229 and 526. The Bonneville Dam 2010 steelhead count of 409,914 is about 68.7% of the 2009 count of 596,576. However, the 2010 steelhead count is about 1.04 times greater than of the 10 year average of 393,071. At Willamette Falls Dam, the 2010 count for steelhead was 29,313, as of October 13th. This year's steelhead count is about 1.67 times greater than the 2009 count of 17,551 at Willamette Falls Dam for the same date range.

During this time of year, there are times when there are higher steelhead counts at upstream projects compared to downstream projects. The higher counts of steelhead at upstream sites compared to downstream sites in any particular year is because some steelhead spend the winter between sites, for instance between Ice Harbor and Lower Granite, and then start their migration upstream the following year. The summer steelhead run is delineated according to dates of passage past Bonneville Dam and is made up of two components. A-run steelhead are considered those that pass Bonneville Dam from the first of June through August 25th and B-run steelhead pass Bonneville from August 26th through October. The 2010 B-run adult steelhead count at Bonneville of 105,826 is about 69.3% of the 2009 count of 152,590 and about 78.2% of the 10 year average count of 135,375.

In the Snake River, this year's Lower Granite steelhead count of 175,833 is about 67.8% of the 2009 count, while being about 1.16 times greater than the 10 year average count of 151,708. The 2010 LGR wild steelhead count as of October 14th was 52,258. The 2010 Rock Island Dam adult steelhead count of 21,705 is about 59.5% of the 2009 count, while being 1.25 times greater than the 10 year average.

The 2010 adult coho count at Bonneville Dam

is 98,228 adults and 6,464 jacks. The Bonneville 2010 adult coho count is about 53.2% of the 2009 count and about 86.3% of the 10 year average. The Bonneville 2010 coho jack count is about 76.7% of the 2009 count of 8,429 and about 96.3% of the 10 year average count of 6,713.

Hatchery Releases Last Two Weeks

Hatchery Release Summary									
From:		10/1/2010	to	10/14/10					
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2011	18,075	10-07-10	10-07-10	Pettit Lake	Salmon River (ID)
Idaho Dept. of Fish and Game	Sawtooth Hatchery	SO	UN	2011	31,413	10-07-10	10-07-10	Redfish Lake	Salmon River (ID)
Idaho Dept. of Fish and Game Total					49,488				
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	SP	2011	75,000	10-02-10	10-15-10	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	SP	2011	150,000	10-01-10	10-14-10	Lolo Creek	Clearwater River M F
Nez Perce Tribe Total					225,000				
Grand Total					274,488				

CH = Chinook, ST = Steelhead, CO = Coho, SO = Sockeye, CT = Cutthroat Trout, CM = Chum

Hatchery Releases Next Two Weeks

Hatchery Release Summary									
From:		10/15/2010	to	10/28/2010					
Agency	Hatchery	Species	Race	MigYr	NumRel	RelStart	RelEnd	RelSite	RelRiver
Nez Perce Tribe	Nez Perce Tribal Hatchery	CH0	SP	2011	75,000	10-02-10	10-15-10	Newsome Creek	S Fk Clearwater River
Nez Perce Tribe Total					75,000				
Washington Dept. of Fish and Wildlife	Eastbank Hatchery	SO	UN	2011	240,000	10-25-10	11-05-10	Lake Wenatchee	Wenatchee River
Washington Dept. of Fish and Wildlife Total					240,000				
Grand Total					315,000				

CH = Chinook, ST = Steelhead, CO = Coho, SO = Sockeye, CT = Cutthroat Trout, CM = Chum

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
10/01/2010	74.8	0.0	79.5	0.0	75.9	0.0	73.1	0.0	74.9	0.0	66.6	1.7	60.9	1.0
10/02/2010	62.7	0.0	60.9	0.0	66.3	0.0	70.0	0.0	73.7	0.0	81.6	2.0	78.5	1.0
10/03/2010	57.7	0.0	56.5	0.0	54.0	0.0	51.2	0.0	53.7	0.0	50.4	2.0	45.2	1.0
10/04/2010	57.5	0.0	62.8	0.0	67.8	0.0	70.6	0.0	71.7	0.0	82.3	2.1	81.9	1.0
10/05/2010	79.4	0.0	74.7	0.0	75.6	0.0	77.4	0.0	80.2	0.0	83.3	2.0	77.5	1.1
10/06/2010	80.0	0.0	77.9	0.0	80.8	0.0	80.5	0.0	82.2	0.0	86.4	1.9	84.3	1.0
10/07/2010	69.8	0.0	75.6	0.0	75.5	0.0	75.9	0.0	79.4	0.0	80.2	2.0	76.5	1.1
10/08/2010	86.6	0.0	86.7	0.0	87.6	0.0	86.6	0.0	88.8	0.0	90.7	2.1	83.3	1.1
10/09/2010	72.2	0.0	70.9	0.0	72.9	0.0	74.9	0.0	77.8	0.0	83.9	2.0	81.5	1.2
10/10/2010	57.1	0.0	58.0	0.0	58.1	0.0	56.8	0.0	59.3	0.0	58.9	2.0	55.3	1.1
10/11/2010	90.6	0.0	87.3	0.0	87.7	0.0	87.5	0.0	92.0	0.0	94.9	2.1	88.4	1.2
10/12/2010	78.1	0.0	81.9	0.0	85.4	0.0	88.3	0.0	93.4	0.0	103.0	2.1	99.3	1.2
10/13/2010	73.2	0.0	75.5	0.0	78.1	0.0	82.2	0.0	84.4	0.0	108.6	1.7	110.0	1.0
10/14/2010	63.7	0.0	67.1	0.0	67.5	0.0	67.7	0.0	68.4	0.0	87.6	1.1	96.6	0.7

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
10/01/2010	1.6	0.0	11.0	15.3	22.4	0.0	22.2	0.0	22.9	0.0	20.8	0.0		
10/02/2010	1.6	0.0	11.1	14.6	26.5	0.0	26.6	0.0	26.8	0.0	24.8	0.0		
10/03/2010	1.6	0.1	11.1	12.3	17.1	0.0	14.8	0.0	15.4	0.0	15.2	0.0		
10/04/2010	1.6	0.1	11.2	14.8	23.0	0.0	19.2	0.0	18.8	0.0	18.2	0.0		
10/05/2010	1.6	0.0	11.8	14.0	21.5	0.0	21.4	0.0	23.2	0.0	25.7	0.0		
10/06/2010	1.6	0.0	11.9	14.7	24.0	0.0	24.1	0.0	23.9	0.0	24.2	0.0		
10/07/2010	1.6	0.0	12.3	14.6	21.5	0.0	21.3	0.0	23.2	0.0	22.2	0.0		
10/08/2010	1.6	0.0	12.4	10.9	26.0	0.0	24.4	0.0	23.6	0.0	24.2	0.0		
10/09/2010	1.6	0.0	13.3	14.8	18.5	0.0	20.1	0.0	21.7	0.0	24.2	0.0		
10/10/2010	1.6	0.0	12.8	13.4	22.4	0.0	18.1	0.0	18.6	0.0	15.1	0.0		
10/11/2010	1.6	0.0	12.3	8.7	21.5	0.0	20.8	0.0	21.7	0.0	20.2	0.0		
10/12/2010	1.6	0.0	12.4	8.7	23.6	0.0	23.3	0.0	23.5	0.0	25.5	0.0		
10/13/2010	1.6	0.0	12.3	8.8	16.0	0.0	14.8	0.0	14.8	0.0	12.5	0.0		
10/14/2010	1.6	0.0	---	---	17.2	0.0	16.4	0.0	18.0	0.0	19.2	0.0		

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
10/01/2010	99.8	0.0	91.8	0.8	93.8	0.0	112.5	1.4	21.0	82.7
10/02/2010	94.9	0.0	89.3	0.8	92.4	0.0	99.3	1.4	9.5	81.0
10/03/2010	78.0	0.0	71.7	0.7	76.5	0.0	86.3	1.4	3.8	73.8
10/04/2010	89.3	0.0	75.6	0.8	77.8	0.0	80.7	1.4	0.6	71.3
10/05/2010	106.2	0.0	104.8	0.5	108.1	0.0	112.6	1.3	21.7	82.2
10/06/2010	113.0	0.0	110.8	0.8	113.0	0.0	120.4	1.2	27.5	84.3
10/07/2010	102.3	0.0	98.7	0.8	104.5	0.0	107.4	1.3	14.2	84.5
10/08/2010	95.1	0.0	102.9	0.9	102.9	0.0	108.9	1.3	14.5	85.7
10/09/2010	114.9	0.0	104.8	0.7	107.2	0.0	120.5	1.3	22.2	89.7
10/10/2010	91.5	0.0	91.1	0.6	94.2	0.0	108.8	1.3	13.4	86.7
10/11/2010	99.7	0.0	89.0	0.3	91.2	0.0	100.9	1.3	8.2	84.0
10/12/2010	113.0	0.0	105.5	0.8	109.2	0.0	116.9	1.3	22.5	85.8
10/13/2010	133.6	0.0	120.3	0.8	122.4	0.0	122.0	1.5	25.4	87.8
10/14/2010	126.1	0.0	123.6	0.7	128.7	0.0	126.4	1.3	34.1	83.6

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

Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	<u>Hungry H. Dnst</u>			#	<u>Boundary</u>			#	<u>Grand Coulee</u>			#	<u>Grand C. Tlwr</u>			#	<u>Chief Joseph</u>			#
	<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High	
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg		
10/1	101.9	102.0	102.8	14	103.5	105.0	106.5	23	100.1	100.3	100.4	24	97.5	97.8	98.2	23	99.4	99.7	99.9	24
10/2	---	---	---	0	103.5	104.1	104.4	23	100.6	101.2	101.8	24	97.5	97.9	98.2	23	99.0	99.7	99.9	24
10/3	---	---	---	0	103.6	103.8	104.1	22	100.3	100.9	101.5	24	98.0	98.2	98.9	22	98.8	99.1	99.3	24
10/4	---	---	---	0	103.8	104.2	105.9	21	100.5	100.8	101.0	24	97.5	97.7	98.1	21	98.4	98.6	98.7	24
10/5	---	---	---	0	103.0	104.0	107.5	22	98.8	99.0	99.7	24	96.3	96.5	96.9	22	97.3	97.6	97.8	24
10/6	---	---	---	0	103.3	104.1	104.6	24	99.2	99.8	100.1	24	96.7	97.7	98.5	24	97.6	98.2	98.5	24
10/7	---	---	---	0	104.7	105.8	107.9	23	100.1	100.2	100.4	23	97.4	97.7	98.2	23	97.9	98.1	98.3	24
10/8	---	---	---	0	103.0	103.4	104.0	23	99.9	100.0	100.1	24	97.1	97.5	98.2	23	97.5	97.8	98.0	24
10/9	---	---	---	0	102.3	102.8	103.6	24	99.3	99.4	99.7	24	96.8	97.2	98.1	24	96.8	97.1	97.4	24
10/10	---	---	---	0	103.3	104.2	105.7	23	99.6	99.8	99.9	24	97.4	97.8	98.5	23	97.0	97.2	97.4	24
10/11	---	---	---	0	103.1	103.6	104.6	22	98.7	99.0	99.5	24	96.3	96.5	97.3	22	96.7	96.9	97.0	24
10/12	---	---	---	0	102.7	102.7	103.0	3	98.2	98.3	98.5	24	95.4	95.4	95.6	3	96.3	96.3	96.6	12
10/13	---	---	---	0	102.4	102.4	102.9	10	98.6	98.8	99.0	24	96.8	96.8	97.6	10	---	---	---	0
10/14	---	---	---	0	102.3	103.2	103.7	20	99.2	99.5	99.7	24	96.5	96.8	97.1	20	---	---	---	0

Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	<u>Chief J. Dnst</u>			#	<u>Wells</u>			#	<u>Wells Dwnstrm</u>			#	<u>Rocky Reach</u>			#	<u>Rocky R. Tlwr</u>			#
	<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High	
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg		
10/1	99.9	100.7	101.5	24	100.2	100.2	100.4	7	100.7	100.7	100.9	7	---	---	---	0	---	---	---	0
10/2	100.5	101.0	102.8	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/3	100.7	101.5	102.8	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/4	100.0	100.9	102.1	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/5	98.0	98.7	99.6	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/6	98.5	99.4	100.6	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/7	99.4	100.0	101.3	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/8	98.2	99.0	100.3	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/9	98.5	99.2	99.4	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/10	98.7	99.3	99.9	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/11	97.0	97.8	98.9	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/12	96.7	96.7	97.5	11	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/13	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/14	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			#	<u>Rock I. Tlwr</u>			#	<u>Wanapum</u>			#	<u>Wanapum Tlwr</u>			#	<u>Priest Rapids</u>			#
	<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High		<u>24 h</u>	<u>12 h</u>	High	
	Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg			Avg	Avg		
10/1	---	---	---	0	---	---	---	0	102.3	103.0	103.8	24	102.4	102.8	103.7	24	102.4	102.8	103.0	24
10/2	---	---	---	0	---	---	---	0	104.1	105.1	106.4	24	102.7	103.0	103.3	24	102.8	103.5	104.1	24
10/3	---	---	---	0	---	---	---	0	102.8	103.5	104.4	24	102.7	103.0	103.5	24	102.9	103.1	103.8	24
10/4	---	---	---	0	---	---	---	0	100.6	100.9	101.8	24	101.3	101.7	102.5	24	101.5	102.1	102.8	24
10/5	---	---	---	0	---	---	---	0	99.8	100.7	101.6	24	100.1	100.4	101.5	24	99.4	99.9	100.2	24
10/6	---	---	---	0	---	---	---	0	100.6	101.7	102.6	24	100.8	101.3	101.8	24	100.4	101.2	101.6	24
10/7	---	---	---	0	---	---	---	0	100.6	100.8	101.2	24	101.1	101.4	101.8	24	101.0	101.2	101.6	24
10/8	---	---	---	0	---	---	---	0	99.7	100.0	100.3	24	100.4	100.7	101.2	24	100.0	100.3	100.5	24
10/9	---	---	---	0	---	---	---	0	99.3	99.7	100.2	24	99.9	100.2	101.4	24	99.6	99.9	100.0	24
10/10	---	---	---	0	---	---	---	0	99.1	99.3	99.5	24	100.1	100.4	101.5	24	99.5	99.7	99.8	24
10/11	---	---	---	0	---	---	---	0	98.1	98.2	98.5	24	98.9	99.2	99.8	24	98.5	98.7	98.9	24
10/12	---	---	---	0	---	---	---	0	98.0	98.5	99.0	24	98.6	98.8	99.3	24	98.4	98.8	99.1	24
10/13	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/14	---	---	---	0	---	---	---	0	---	---	---	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>Clwrtr-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>	#	<u>24 h</u>	<u>12 h</u>	#					
	Avg	Avg		High	hr		Avg	Avg		High	hr		Avg	Avg		High	hr	Avg	Avg	High
10/1	103.9	104.0	104.2	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/2	104.1	104.5	104.7	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/3	104.3	104.5	104.7	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/4	103.3	103.8	104.2	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/5	101.1	101.4	101.7	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/6	101.6	102.3	102.5	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/7	102.5	102.7	102.8	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/8	101.9	102.1	102.2	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/9	101.5	101.6	101.9	24	---	---	---	0	102.5	103.0	103.8	24	---	---	---	0	---	---	---	0
10/10	101.6	101.8	102.0	24	---	---	---	0	102.8	103.4	104.4	24	---	---	---	0	---	---	---	0
10/11	100.3	100.6	100.8	24	---	---	---	0	102.0	102.5	103.1	24	---	---	---	0	---	---	---	0
10/12	100.3	100.5	100.8	24	---	---	---	0	101.7	102.3	103.2	24	---	---	---	0	---	---	---	0
10/13	---	---	---	0	---	---	---	0	102.2	102.8	103.9	24	---	---	---	0	---	---	---	0
10/14	---	---	---	0	---	---	---	0	102.4	103.0	104.1	24	---	---	---	0	---	---	---	0

Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clwrtr-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>	#	<u>24 h</u>	<u>12 h</u>	#					
	Avg	Avg		High	hr		Avg	Avg		High	hr		Avg	Avg		High	hr	Avg	Avg	High
10/1	---	---	---	0	---	---	---	0	98.8	99.8	101.4	24	---	---	---	0	99.6	100.4	101.3	24
10/2	---	---	---	0	---	---	---	0	100.9	102.3	102.8	24	---	---	---	0	99.6	100.5	100.9	24
10/3	---	---	---	0	---	---	---	0	100.1	100.6	101.7	24	---	---	---	0	97.8	98.1	98.8	24
10/4	---	---	---	0	---	---	---	0	98.7	99.1	99.7	24	---	---	---	0	96.0	96.4	96.6	24
10/5	---	---	---	0	---	---	---	0	97.4	97.6	98.0	24	---	---	---	0	94.9	95.3	95.4	24
10/6	---	---	---	0	---	---	---	0	98.1	98.8	99.2	24	---	---	---	0	96.2	96.7	97.2	24
10/7	---	---	---	0	---	---	---	0	98.4	98.8	99.0	24	---	---	---	0	95.8	96.2	96.6	24
10/8	---	---	---	0	---	---	---	0	96.9	97.2	97.6	24	---	---	---	0	95.3	95.5	96.3	24
10/9	---	---	---	0	---	---	---	0	96.6	96.9	97.1	24	---	---	---	0	94.6	94.8	95.1	24
10/10	---	---	---	0	---	---	---	0	96.4	96.8	97.3	24	---	---	---	0	94.9	95.5	95.8	24
10/11	---	---	---	0	---	---	---	0	94.2	94.5	95.0	24	---	---	---	0	94.2	94.5	94.9	24
10/12	---	---	---	0	---	---	---	0	95.0	95.7	97.2	24	---	---	---	0	94.4	94.8	95.1	24
10/13	---	---	---	0	---	---	---	0	96.2	96.6	97.3	24	---	---	---	0	95.3	96.2	97.5	24
10/14	---	---	---	0	---	---	---	0	96.6	96.9	97.1	24	---	---	---	0	95.8	96.1	96.3	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>	#	<u>24 h</u>	<u>12 h</u>	#					
	Avg	Avg		High	hr		Avg	Avg		High	hr		Avg	Avg		High	hr	Avg	Avg	High
10/1	---	---	---	0	98.0	98.4	98.5	24	---	---	---	0	100.2	100.8	101.4	24	---	---	---	0
10/2	---	---	---	0	98.5	99.3	99.4	24	---	---	---	0	100.8	101.6	102.2	24	---	---	---	0
10/3	---	---	---	0	97.8	98.1	98.8	24	---	---	---	0	100.2	100.4	100.7	24	---	---	---	0
10/4	---	---	---	0	96.7	97.1	97.9	24	---	---	---	0	99.3	99.8	101.1	24	---	---	---	0
10/5	---	---	---	0	98.5	100.5	116.6	24	---	---	---	0	98.6	99.0	99.2	24	---	---	---	0
10/6	---	---	---	0	98.2	98.7	99.3	24	---	---	---	0	99.4	99.8	100.1	24	---	---	---	0
10/7	---	---	---	0	97.7	98.0	98.8	24	---	---	---	0	99.3	99.6	100.0	24	---	---	---	0
10/8	---	---	---	0	97.3	97.5	98.0	24	---	---	---	0	98.5	98.8	99.1	24	---	---	---	0
10/9	---	---	---	0	96.8	97.2	97.5	24	---	---	---	0	97.9	98.1	98.2	24	---	---	---	0
10/10	---	---	---	0	96.2	96.6	97.0	24	---	---	---	0	98.4	98.9	99.4	24	---	---	---	0
10/11	---	---	---	0	95.4	95.8	96.2	24	---	---	---	0	97.3	97.6	97.9	24	---	---	---	0
10/12	---	---	---	0	95.9	96.2	96.7	24	---	---	---	0	97.5	97.8	98.1	24	---	---	---	0
10/13	---	---	---	0	96.1	96.5	97.2	24	---	---	---	0	98.6	99.4	100.2	24	---	---	---	0
10/14	---	---	---	0	96.3	96.8	98.0	24	---	---	---	0	98.7	99.0	99.3	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	McNary-Wash			#	McNary Tlwr			#	John Day			#	John Day Tlwr			#	The Dalles			#
	24 h	12 h			24 h	12 h			24h	12h			24h	12h			24h	12h		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	AVG	High	
10/1	---	---	---	0	100.6	101.0	101.2	24	---	---	---	0	101.7	102.3	103.2	24	---	---	---	0
10/2	---	---	---	0	101.1	101.7	102.1	24	---	---	---	0	101.2	101.5	101.7	24	---	---	---	0
10/3	---	---	---	0	101.1	101.4	101.9	24	---	---	---	0	101.7	102.0	102.5	24	---	---	---	0
10/4	---	---	---	0	100.1	100.4	100.7	24	---	---	---	0	101.1	101.8	102.2	24	---	---	---	0
10/5	---	---	---	0	99.2	99.4	99.6	24	---	---	---	0	99.0	99.5	100.1	24	---	---	---	0
10/6	---	---	---	0	99.6	100.1	100.4	24	---	---	---	0	99.6	100.3	100.7	24	---	---	---	0
10/7	---	---	---	0	99.4	99.7	99.9	24	---	---	---	0	99.7	99.9	100.4	24	---	---	---	0
10/8	---	---	---	0	98.2	98.3	98.6	24	---	---	---	0	99.5	99.7	99.9	24	---	---	---	0
10/9	---	---	---	0	98.1	98.4	98.5	24	---	---	---	0	98.8	99.1	99.5	24	---	---	---	0
10/10	---	---	---	0	98.4	98.7	99.0	24	---	---	---	0	98.7	98.9	99.3	24	---	---	---	0
10/11	---	---	---	0	97.5	97.7	97.9	24	---	---	---	0	97.8	98.1	98.6	24	---	---	---	0
10/12	---	---	---	0	97.5	97.9	98.1	24	---	---	---	0	98.3	98.6	99.1	24	---	---	---	0
10/13	---	---	---	0	98.3	98.7	98.9	24	---	---	---	0	98.6	99.1	99.7	24	---	---	---	0
10/14	---	---	---	0	98.7	99.0	99.3	24	---	---	---	0	98.9	99.4	100.1	24	---	---	---	0

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

Date	The Dalles Dnst			#	Bonneville			#	Warrendale			#	Camas\Washougal			#	Cascade Island			#
	24 h	12 h			24 h	12 h			24h	12h			24h	12h			24h	12h		
	Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High		Avg	Avg	High	
10/1	101.6	102.0	102.2	24	---	---	---	0	102.2	102.5	102.9	24	---	---	---	0	---	---	---	0
10/2	102.4	102.7	102.9	24	---	---	---	0	102.3	102.7	103.3	24	---	---	---	0	---	---	---	0
10/3	102.2	102.4	102.5	24	---	---	---	0	101.6	102.0	102.1	24	---	---	---	0	---	---	---	0
10/4	101.3	101.7	101.8	24	---	---	---	0	100.4	100.7	101.3	24	---	---	---	0	---	---	---	0
10/5	99.8	100.0	100.0	24	---	---	---	0	100.7	101.5	101.9	24	---	---	---	0	---	---	---	0
10/6	100.6	101.1	101.6	24	---	---	---	0	101.7	102.2	102.6	24	---	---	---	0	---	---	---	0
10/7	100.7	100.9	101.1	24	---	---	---	0	101.8	102.0	102.2	24	---	---	---	0	---	---	---	0
10/8	100.3	100.5	100.7	24	---	---	---	0	101.9	102.5	103.1	24	---	---	---	0	---	---	---	0
10/9	99.8	99.9	100.0	24	---	---	---	0	101.3	101.5	101.8	24	---	---	---	0	---	---	---	0
10/10	100.0	100.1	100.3	24	---	---	---	0	101.1	101.4	101.6	24	---	---	---	0	---	---	---	0
10/11	99.8	100.1	100.3	24	---	---	---	0	100.4	100.7	101.2	24	---	---	---	0	---	---	---	0
10/12	99.4	99.6	100.3	24	---	---	---	0	100.5	100.9	101.7	24	---	---	---	0	---	---	---	0
10/13	99.5	99.8	100.3	24	---	---	---	0	100.8	101.4	102.0	24	---	---	---	0	---	---	---	0
10/14	99.7	99.9	100.4	24	---	---	---	0	101.4	101.9	102.4	24	---	---	---	0	---	---	---	0

Two-Week Summary of Passage Indices

COMBINED YEARLING CHINOOK											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/01/2010	---	---	---	---	0	0	0	---	0	---	0
10/02/2010	---	---	---	---	1	0	---	---	---	---	0
10/03/2010	---	---	---	---	1	10	---	---	---	---	0
10/04/2010	---	---	---	---	1	0	---	---	---	---	0
10/05/2010	---	---	---	---	0	1	---	---	---	---	0
10/06/2010	---	---	---	---	0	0	---	---	---	---	0
10/07/2010	---	---	---	---	0	0	---	---	---	---	0
10/08/2010	---	---	---	---	2	0	---	---	---	---	0
10/09/2010	---	---	---	---	2	0	---	---	---	---	0
10/10/2010	---	---	---	---	1	0	---	---	---	---	0
10/11/2010	---	---	---	---	0	0	---	---	---	---	0
10/12/2010	---	---	---	---	2	0	---	---	---	---	0
10/13/2010	---	---	---	---	0	0	---	---	---	---	0
10/14/2010	---	---	---	---	---	0	---	---	---	---	0
10/15/2010	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	10	11	0	0	0	0	0
# Days:	0	0	0	0	13	14	1	0	1	0	14
Average:	0	0	0	0	1	1	0	0	0	0	0
YTD	56,130	80,004	27,916	7,995	2,452,589	1,260,542	452,094	11,800	2,093,842	1,034,554	2,302,148

COMBINED SUBYEARLING CHINOOK											
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/01/2010	---	---	---	---	264	90	136	---	130	---	223
10/02/2010	---	---	---	---	474	418	---	---	---	---	210
10/03/2010	---	---	---	---	552	1,038	---	---	---	---	178
10/04/2010	---	---	---	---	1,386	649	---	---	---	---	131
10/05/2010	---	---	---	---	1,042	202	---	---	---	---	150
10/06/2010	---	---	---	---	484	88	---	---	---	---	230
10/07/2010	---	---	---	---	404	32	---	---	---	---	211
10/08/2010	---	---	---	---	787	76	---	---	---	---	249
10/09/2010	---	---	---	---	800	149	---	---	---	---	326
10/10/2010	---	---	---	---	674	195	---	---	---	---	358
10/11/2010	---	---	---	---	360	39	---	---	---	---	270
10/12/2010	---	---	---	---	370	76	---	---	---	---	262
10/13/2010	---	---	---	---	324	62	---	---	---	---	307
10/14/2010	---	---	---	---	---	56	---	---	---	---	610
10/15/2010	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	7,921	3,170	136	0	130	0	3,715
# Days:	0	0	0	0	13	14	1	0	1	0	14
Average:	0	0	0	0	609	226	136	0	130	0	265
YTD	0	42	28	1,275	1,040,405	1,311,667	771,129	23,361	3,906,840	2,240,563	5,116,537

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)
10/01/2010	---	---	---	---	0	0	0	---	0	---	0
10/02/2010	---	---	---	---	0	0	---	---	---	---	0
10/03/2010	---	---	---	---	0	0	---	---	---	---	0
10/04/2010	---	---	---	---	1	1	---	---	---	---	0
10/05/2010	---	---	---	---	0	0	---	---	---	---	0
10/06/2010	---	---	---	---	0	0	---	---	---	---	0
10/07/2010	---	---	---	---	0	0	---	---	---	---	0
10/08/2010	---	---	---	---	0	1	---	---	---	---	0
10/09/2010	---	---	---	---	0	0	---	---	---	---	0
10/10/2010	---	---	---	---	0	0	---	---	---	---	0
10/11/2010	---	---	---	---	0	0	---	---	---	---	8
10/12/2010	---	---	---	---	0	0	---	---	---	---	0
10/13/2010	---	---	---	---	0	0	---	---	---	---	0
10/14/2010	---	---	---	---	---	0	---	---	---	---	0
10/15/2010	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	1	2	0	0	0	0	8
# Days:	0	0	0	0	13	14	1	0	1	0	14
Average:	0	0	0	0	0	0	0	0	0	0	1
YTD	0	0	0	104	40,188	53,918	13,604	41,441	85,780	111,181	524,813

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)
10/01/2010	---	---	---	---	1	0	0	---	0	---	0
10/02/2010	---	---	---	---	1	0	---	---	---	---	0
10/03/2010	---	---	---	---	1	0	---	---	---	---	0
10/04/2010	---	---	---	---	0	1	---	---	---	---	0
10/05/2010	---	---	---	---	0	0	---	---	---	---	0
10/06/2010	---	---	---	---	2	0	---	---	---	---	0
10/07/2010	---	---	---	---	0	0	---	---	---	---	0
10/08/2010	---	---	---	---	0	0	---	---	---	---	0
10/09/2010	---	---	---	---	0	0	---	---	---	---	0
10/10/2010	---	---	---	---	0	0	---	---	---	---	0
10/11/2010	---	---	---	---	0	0	---	---	---	---	0
10/12/2010	---	---	---	---	0	0	---	---	---	---	0
10/13/2010	---	---	---	---	0	0	---	---	---	---	0
10/14/2010	---	---	---	---	---	0	---	---	---	---	0
10/15/2010	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	5	1	0	0	0	0	0
# Days:	0	0	0	0	13	14	1	0	1	0	14
Average:	0	0	0	0	0	0	0	0	0	0	0
YTD	4,385	27,688	4,051	11,795	2,045,809	1,594,188	427,857	17,309	448,234	594,822	942,451

Two-Week Summary of Passage Indices

Date	COMBINED SOCKEYE										
	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/01/2010	---	---	---	---	2	0	0	---	0	---	0
10/02/2010	---	---	---	---	4	0	---	---	---	---	0
10/03/2010	---	---	---	---	1	0	---	---	---	---	0
10/04/2010	---	---	---	---	1	0	---	---	---	---	0
10/05/2010	---	---	---	---	0	2	---	---	---	---	0
10/06/2010	---	---	---	---	0	0	---	---	---	---	0
10/07/2010	---	---	---	---	0	0	---	---	---	---	0
10/08/2010	---	---	---	---	3	0	---	---	---	---	0
10/09/2010	---	---	---	---	4	0	---	---	---	---	0
10/10/2010	---	---	---	---	1	0	---	---	---	---	0
10/11/2010	---	---	---	---	2	0	---	---	---	---	0
10/12/2010	---	---	---	---	4	1	---	---	---	---	0
10/13/2010	---	---	---	---	0	0	---	---	---	---	0
10/14/2010	---	---	---	---	---	0	---	---	---	---	0
10/15/2010	---	---	---	---	---	---	---	---	---	---	---
Total:	0	0	0	0	22	3	0	0	0	0	0
# Days:	0	0	0	0	13	14	1	0	1	0	14
Average:	0	0	0	0	2	0	0	0	0	0	0
YTD	80	0	0	188	8,810	12,831	2,204	36,508	1,469,165	656,084	803,520

* 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:

10/15/10 1:37 PM

		10/01/10	TO	10/15/10			
		Species					
Site	Data	CH0	CH1	CO	ST	SO	Grand Total
LGR	Sum of NumberCollected	7,921	10	1	5	22	7,959
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	2,151	0	0	1	0	2,152
	Sum of Numbertrucked	5,716	9	2	5	22	5,754
	Sum of SampleMorts	92	1	0	0	0	93
	Sum of FacilityMorts	8	0	0	0	0	8
	Sum of ResearchMorts	14	0	0	0	0	14
	Sum of TotalProjectMorts	114	1	0	0	0	115
LGS	Sum of NumberCollected	3,170	11	2	1	3	3,187
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of Numbertrucked	3,055	11	2	1	3	3,072
	Sum of SampleMorts	59	0	0	0	0	59
	Sum of FacilityMorts	28	0	0	0	0	28
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	87	0	0	0	0	87
LMN	Sum of NumberCollected	136					136
	Sum of NumberBarged	0					0
	Sum of NumberBypassed	0					0
	Sum of Numbertrucked	159					159
	Sum of SampleMorts	0					0
	Sum of FacilityMorts	0					0
	Sum of ResearchMorts	0					0
	Sum of TotalProjectMorts	0					0
MCN	Sum of NumberCollected	130					130
	Sum of NumberBarged	0					0
	Sum of NumberBypassed	0					0
	Sum of Numbertrucked	128					128
	Sum of SampleMorts	0					0
	Sum of FacilityMorts	2					2
	Sum of ResearchMorts	0					0
	Sum of TotalProjectMorts	2					2
Total Sum of NumberCollected		11,357	21	3	6	25	11,412
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		2,151	0	0	1	0	2,152
Total Sum of Numbertrucked		9,058	20	4	6	25	9,113
Total Sum of SampleMorts		151	1	0	0	0	152
Total Sum of FacilityMorts		38	0	0	0	0	38
Total Sum of ResearchMorts		14	0	0	0	0	14
Total Sum of TotalProjectMorts		203	1	0	0	0	204

YTD Transportation Summary

Source: Fish Passage Center

Updated:

10/15/10 2:05 PM

TO: 10/15/10

Site	Data	Species					Grand Total
		CH0	CH1	CO	SO	ST	
LGR	Sum of NumberCollected	627,079	1,622,363	28,364	5,832	1,358,162	3,641,800
	Sum of NumberBarged	605,631	1,428,784	28,337	5,772	1,309,483	3,378,007
	Sum of NumberBypassed	5,709	191,860	0	10	48,345	245,924
	Sum of NumberTrucked	14,259	18	16	42	13	14,348
	Sum of SampleMorts	404	55	1	2	19	481
	Sum of FacilityMorts	1,062	1,231	10	6	285	2,594
	Sum of ResearchMorts	14	415	0	0	17	446
	Sum of TotalProjectMorts	1,480	1,701	11	8	321	3,521
LGS	Sum of NumberCollected	864,022	873,216	36,915	8,883	1,085,617	2,868,653
	Sum of NumberBarged	849,625	791,515	36,896	8,872	1,025,889	2,712,797
	Sum of NumberBypassed	68	81,373	0	0	59,473	140,914
	Sum of NumberTrucked	8,271	22	17	9	16	8,335
	Sum of SampleMorts	316	30	2	1	10	359
	Sum of FacilityMorts	5,688	276	0	1	229	6,194
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	6,004	306	2	2	239	6,553
LMN	Sum of NumberCollected	509,954	305,753	8,789	1,525	239,912	1,065,933
	Sum of NumberBarged	507,240	304,065	8,789	1,521	234,587	1,056,202
	Sum of NumberBypassed	586	1,473	0	0	5,000	7,059
	Sum of NumberTrucked	1,435	3	0	0	2	1,440
	Sum of SampleMorts	74	9	0	1	10	94
	Sum of FacilityMorts	619	201	0	3	314	1,137
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	693	210	0	4	324	1,231
MCN	Sum of NumberCollected	1,951,233	1,224,094	47,445	848,920	260,040	4,331,732
	Sum of NumberBarged	299,909	173	70	190	86	300,428
	Sum of NumberBypassed	1,496,969	1,222,563	47,275	847,904	259,728	3,874,439
	Sum of NumberTrucked	146,694	0	40	80	10	146,824
	Sum of SampleMorts	557	121	5	96	17	796
	Sum of FacilityMorts	7,104	1,237	55	650	199	9,245
	Sum of ResearchMorts	0	0	0	0	0	0
	Sum of TotalProjectMorts	7,661	1,358	60	746	216	10,041
Total Sum of NumberCollected		3,952,288	4,025,426	121,513	865,160	2,943,731	11,908,118
Total Sum of NumberBarged		2,262,405	2,524,537	74,092	16,355	2,570,045	7,447,434
Total Sum of NumberBypassed		1,503,332	1,497,269	47,275	847,914	372,546	4,268,336
Total Sum of NumberTrucked		170,659	43	73	131	41	170,947
Total Sum of SampleMorts		1,351	215	8	100	56	1,730
Total Sum of FacilityMorts		14,473	2,945	65	660	1,027	19,170
Total Sum of ResearchMorts		14	415	0	0	17	446
Total Sum of TotalProjectMorts		15,838	3,575	73	760	1,100	21,346

Cumulative Adult Passage at Mainstem Dams Through: 10/14

DAM	EndDate	Spring Chinook						Summer Chinook					
		2010		2009		10-Yr Avg.		2010		2009		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	10/14	244384	12612	114525	66631	167834	17301	97604	15603	81936	37416	82525	13362
TDA	10/14	189839	11546	93908	53646	121486	13792	81292	12528	79916	27878	72634	10423
JDA	10/14	179446	11794	76806	49733	101283	12037	70955	12475	65989	33147	66361	11207
MCN	10/14	153246	9178	70413	43328	93119	11340	66526	8063	57137	21182	62804	9141
IHR	10/14	101188	6047	55435	28223	64058	7222	29583	3503	23856	9400	15236	3378
LMN	10/14	97334	5898	66931	20009	63381	6004	35097	4362	23353	11733	15714	2947
LGS	10/14	92985	5461	52642	24331	58937	6617	32410	3968	20340	11207	12950	3477
LGR	10/14	94203	6409	49667	31064	59309	8137	28778	5294	14482	16367	12293	4233
PRD	10/13	30539	932	13469	2910	19097	834	49265	1217	49417	2117	55919	2554
RIS	10/13	29684	1513	12634	6003	15841	1581	47220	4018	44295	7727	52600	6133
RRH	10/13	8660	523	6090	1086	6208	510	34173	1724	34961	5231	40122	4303
WEL	10/13	7555	661	6307	1867	4866	487	26538	1856	25725	3800	29472	2340
WFA	10/13	64291	1679	25795	2719	-	-	-	-	-	-	-	-

DAM	EndDate	Fall Chinook					
		2010		2009		10-Yr Avg.	
		Adult	Jack	Adult	Jack	Adult	Jack
BON	10/14	462021	63374	279580	113555	366985	49854
TDA	10/14	267795	50486	172764	92456	196598	39466
JDA	10/14	210455	44445	141644	80062	145879	34937
MCN	10/14	192028	26628	101032	60586	111225	26115
IHR	10/14	45720	11896	24461	38322	15796	11444
LMN	10/14	41950	14906	21969	38670	14667	10394
LGS	10/14	41288	10680	22279	31083	12577	7726
LGR	10/14	39576	12040	14270	39016	10621	9841
PRD	10/13	31286	3543	31412	4623	28330	4761
RIS	10/13	8751	2557	9715	3262	9341	2469
RRH	10/13	6178	1442	6376	2230	6039	1773
WEL	10/13	2560	987	3042	1916	3279	1281
WFA	10/13	657	76	1248	229	-	-

DAM	Coho						Sockeye			Steelhead			
	2010		2009		10-Yr Avg.		2010	2009	10-Yr Avg.	2010	2009	10-Yr Avg.	Wild 2010
	Adult	Jack	Adult	Jack	Adult	Jack							
BON	98228	6464	184704	8429	113843	6713	386524	177823	94584	409914	596576	393071	153954
TDA	25857	2166	45786	6600	30316	3087	325131	155591	80569	323906	495371	300224	119087
JDA	17919	1676	42346	5661	26999	3631	324127	157399	86670	269630	544473	291116	98163
MCN	10635	1309	22483	3303	13962	1581	278799	121672	69739	245280	377998	229540	82412
IHR	1138	192	2388	303	1336	78	1302	867	175	194605	295723	170297	54925
LMN	1173	254	2304	651	1379	142	1656	1162	220	197369	277403	164911	58021
LGS	1230	202	2535	423	1229	105	1658	1061	197	176728	261438	150410	51235
LGR	954	312	1797	195	1235	199	2201	1219	242	175833	259422	151708	52258
PRD	1846	260	6108	347	3282	372	357058	153466	88592	25911	38709	18141	0
RIS	3958	1062	10997	1709	4534	323	338309	162830	85463	21705	36489	17328	10285
RRH	1140	339	2156	264	851	70	295636	133104	64322	17078	28072	13250	7164
WEL	355	9	775	11	166	0	291304	134936	65164	11970	23939	9973	5042
WFA	18400	2251	19951	1937	-	-	0	0	-	29313	17551	-	-

PRD does not post 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: 10/15/10

BON counts from January 1, 2010 to March 14, 2010 (historical counts begin March 15):

Year	Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
2009	39	0	2,318	657
2008	19	-1	321	109