January 1, 2009 WATER SUPPLY AND UTILIZATION REPORT BIGHORN RIVER BASIN WYOMING AREA OFFICE

This report concerns the operation of Reclamation facilities in the Shoshone and Wind/Bighorn River Basins.

Reclamation defines a water year as the time period of October 1 through September 30. Water year is abbreviated in this report as W. Yr.

Other organizations furnished information for the Water Supply and Utilization Report. Their cooperation is greatly appreciated.

This report is available on the Internet and can be accessed by following these steps:

- 1. Log on to the Great Plains Home Page at http://www.usbr.gov/gp
- 2. Select Water Operations.
- 3. Select Water Management Information.
- 4. Select Water Supply Report.
- 5. Under Bighorn Basin, select Current Month or reports from the previous 12 months

BIGHORN RIVER BASIN INFLOW

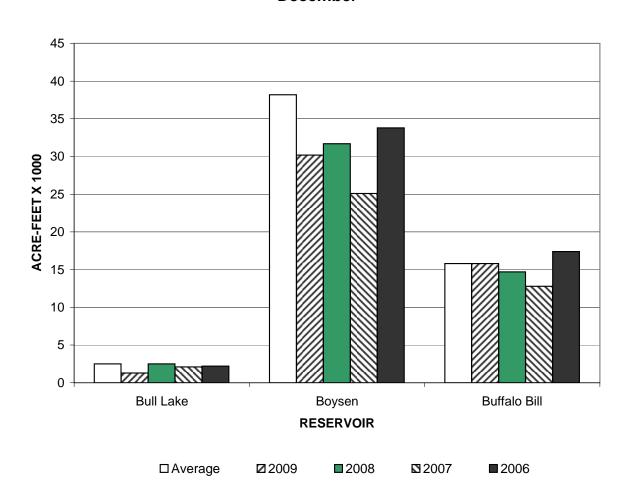
December inflow was below average at Bull Lake and Boysen Reservoirs.

(1000 acre-feet)

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	December Inflow							umulated Ir ber - Dece	
Reservoir	W. Yr. 2009	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	30 Yr. Avg.	% of Avg.
Bull Lake	1.3	2.5	52	2.5	2.1	2.2	9.1	11.0	83
Boysen	30.2	38.2	79	31.7	25.1	33.8	112.8	146.5	77
Buffalo Bill	15.8	15.8	100	14.7	12.8	17.4	63.8	61.9	103

¹ Average is based on the 1979-2008 period.

BIGHORN RIVER BASIN RESERVOIR INFLOW December



BIGHORN RIVER BASIN OUTFLOW

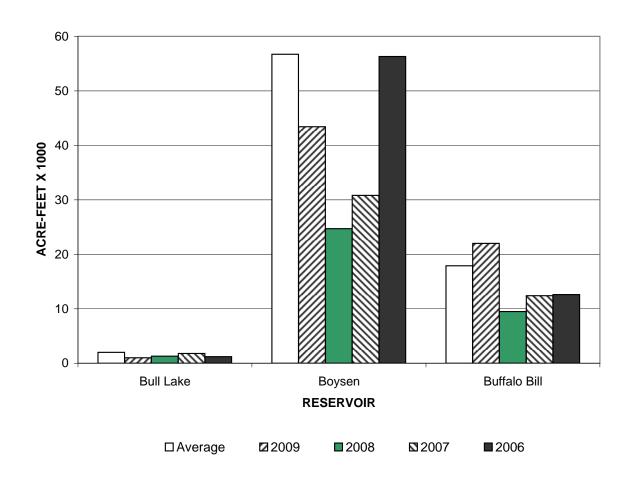
The release from Buffalo Bill Reservoir was above average during December.

(1000 acre-feet)

		December Outflow		December Accumulated Outfl Historical Outflow (October - Decemb					
Reservoir	W. Yr. 2009	30 Yr. Avg. ¹	% of Avg.	W. Yr. W. Yr. W. Yr. 2008 2007 2006		W. Yr. 2009	30 Yr. Avg.	% of Avg.	
Bull Lake	1.0	2.0	50	1.3	1.8	1.2	3.6	11.1	32
Boysen	43.4	56.7	77	24.7	30.8	56.3	128.7	175.9	73
Buffalo Bill	22.0	17.9	123	9.5	12.4	12.6	95.4	71.2	134

¹ Average is based on the 1979-2008 period.

BIGHORN RIVER BASIN RESERVOIR OUTFLOW December



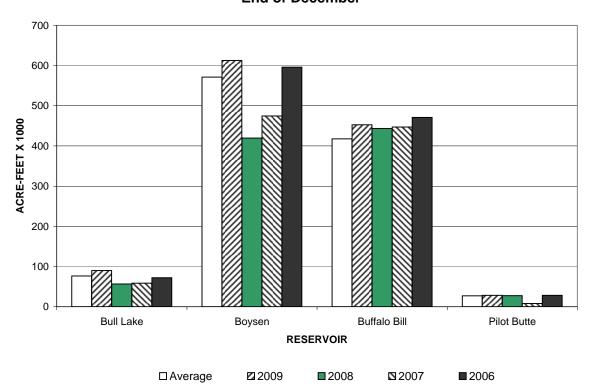
BIGHORN RIVER BASIN STORAGE

Storage at the end of December was above average at all Basin Reservoirs.

(1000 acre-feet)

		otal Storag		End of December Historical Storage			Total Conservation	Percent of
Reservoir	W. Yr.	30 Yr.	% of	W. Yr.	W. Yr.	W. Yr.	Storage	Capacity
	2009	Avg. 1	Avg.	2008	2007	2006	Capacity	
Bull Lake	89.9	76.3	118	56.5	58.5	72.1	152.5	59
Boysen	612.9	571.4	107	419.5	474.6	595.9	741.6	83
Buffalo Bill	452.8	417.8 ²	108	443.4	447.2	471.1	646.6	70
Pilot Butte	28.2	27.0	104	27.6	8.1	28.3	33.7	84

BIGHORN RIVER BASIN RESERVOIR STORAGE End of December



Average is based on the 1979-2008 period.
 This does not reflect a long term average because in 1992 the capacity of the reservoir was increased to approximately 646,565 acre-feet as a result of raising the dam. The average used here reflects data from 1993 through 2008

BIGHORN SNOWPACK WATER CONTENT

The tables shown below display the Snotel stations used in the development of the April - July snowmelt runoff forecasts displayed on page six of this report.

SWE in inches 1

		January 1		Comparative January 1 snow-water content			
	sn	ow-water con	tent				
WATERSHED	W. Yr.	30 Yr.	% of	W. Yr.	W. Yr.	W. Yr.	
	2009	Avg. ²	Avg.	2008	2007	2006	
Bull Lake Reservoir	5.90	6.40	92	4.5	4.2	5.5	
Boysen Reservoir	7.20	7.07	102	6.8	5.2	6.5	
Buffalo Bill Reservoir	8.46	9.57	88	9.1	6.9	8.6	

Boysen Reservoir Watershed

Buffalo Bill Reservoir Watershed

SWE in inches 1

=		SWE in inches 1
Snotel Stations	Water	30 Yr.
(Elevation)	Content	Avg. ²
Burroughs Creek (8,750)	7.6	6.7
Hobbs Park (10,100)	6.1	7.6
Kirwin (9,800)	6.4	5.9
Little Warm (9,620)	5.2	5.3
Togwotee Pass (9,580)	12.7	11.7
Townsend Creek (8,700)	3.7	4.4
Younts Peak (8,350)	8.7	7.9
Watershed Average	7.20	7.07

		OTTE III IIIONOS
Snotel Stations	Water	30 Yr.
(Elevation)	Content	Avg. ²
Blackwater (9,780)	10.6	12.0
Evening Star (9,200)	11.8	13.7
Marquette (8,760)	2.2	5.0
Sylvan Lake (8,420)	8.0	10.5
Sylvan Road (8,120)	5.2	6.2
Togwotee Pass (9,580)	12.7	11.7
Younts Peak (8,350)	8.7	7.9
Watershed Average	8.46	9.57

Bull Lake Reservoir Watershed

SWE in inches 1

Snotel Stations	Water	30 Yr.
(Elevation)	Content	Avg. ²
Elkhart Park (8,400)	6.4	6.3
Hobbs Park (10,100)	6.1	7.6
Little Warm (9,620)	5.2	5.3
Watershed Average	5.90	6.40

SWE (Snow Water Content is the amount of water in the snowpack expressed in inches)
 Average is based on the 1971-2000 period

BIGHORN WATER SUPPLY FORECAST

The January 1, 2009, water supply forecast indicates below average April - July runoff can be expected at all forecast points.

(1000 acre-feet)

Forecast	January 1, 2009 Forecast of April-July Runoff			30 Yr. April-July	Expected	Comparative Actual April - July Runoff			
Points	Reasonable Minimum¹	Expected	Reasonable Maximum ¹	Runoff Avg. ²	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005
Bull Lake Reservoir	100	130	160	138.5	94	135	103	121	155
Wind River above Bull Lake Creek	200	350	500	397.2	88	412	199	282	387
Boysen Reservoir	250	500	750	541.6	92	522	211	201	589
Buffalo Bill Reservoir	480	630	780	646.3	97	955	427	546	513

¹ The probability is estimated to be 9 chances in 10 that the actual volume will fall between the reasonable minimum and reasonable maximum
2 Average is based on the 1979-2008 period.

(1000 acre-feet)

						(1	000 acre-feet)		
Forecast	January 1, 2009 Forecast of April-July Runoff								
Points			Chance of I	Exceeding			Runoff		
	95%	75%	50%	% of Avg	25%	5%	Avg. 1		
Bull Lake Reservoir	100	118	130	94	142	160	138.5		
Wind River above Bull Lake Creek	200	289	350	88	411	500	397.2		
Boysen Reservoir	250	398	500	92	602	750	541.6		
Buffalo Bill Reservoir	480	569	630	97	691	780	646.3		

¹ Average is based on the 1979-2008 period.

BIGHORN RIVER BASIN GENERATION

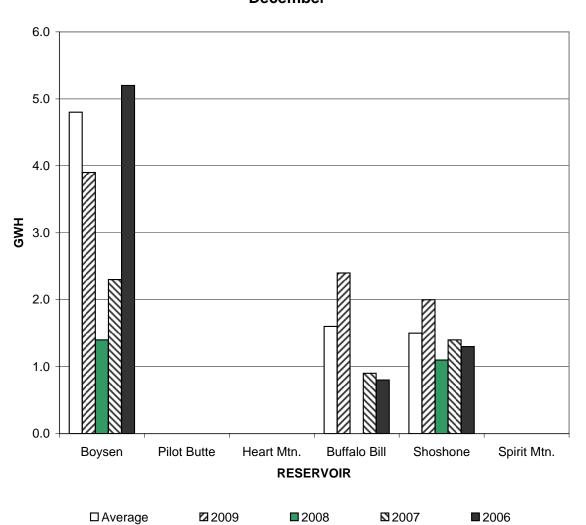
Generation during December was above average at Buffalo Bill and Shoshone Powerplants.

(Energy in giga-watt hours)

	Gro	December December Accumulated Gross Ge Gross Generation Historical Generation (October - December)							
Powerplant	W. Yr. 2009	Avg.	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	Avg.	% of Avg.
Boysen ¹	3.9	4.8	81	1.4	2.3	5.2	11.0	14.5	76
Pilot Butte ²	0.0	0.0	0	0.0	0.0	0.0	0.0	0.2	0
Heart Mtn. ³	0.0	0.0	0	0.0	0.0	0.0	0.8	0.8	100
Buffalo Bill ³	2.4	1.6	150	0.0	0.9	0.8	10.6	5.4	196
Shoshone ³	2.0	1.5	133	1.1	1.4	1.3	5.9	4.7	126
Spirit Mtn. ⁴	0.0	0.0	0	0.0	0.0	0.0	0.7	0.9	78

Average is based on the 1979-2008 period.

BIGHORN RIVER BASIN GROSS GENERATION December



² Average is based on the 1990-2008 period.

³ Average is based on the 1993-2008 period.

⁴ Average is based on the 1996-2008 period.