

November 1, 2008
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

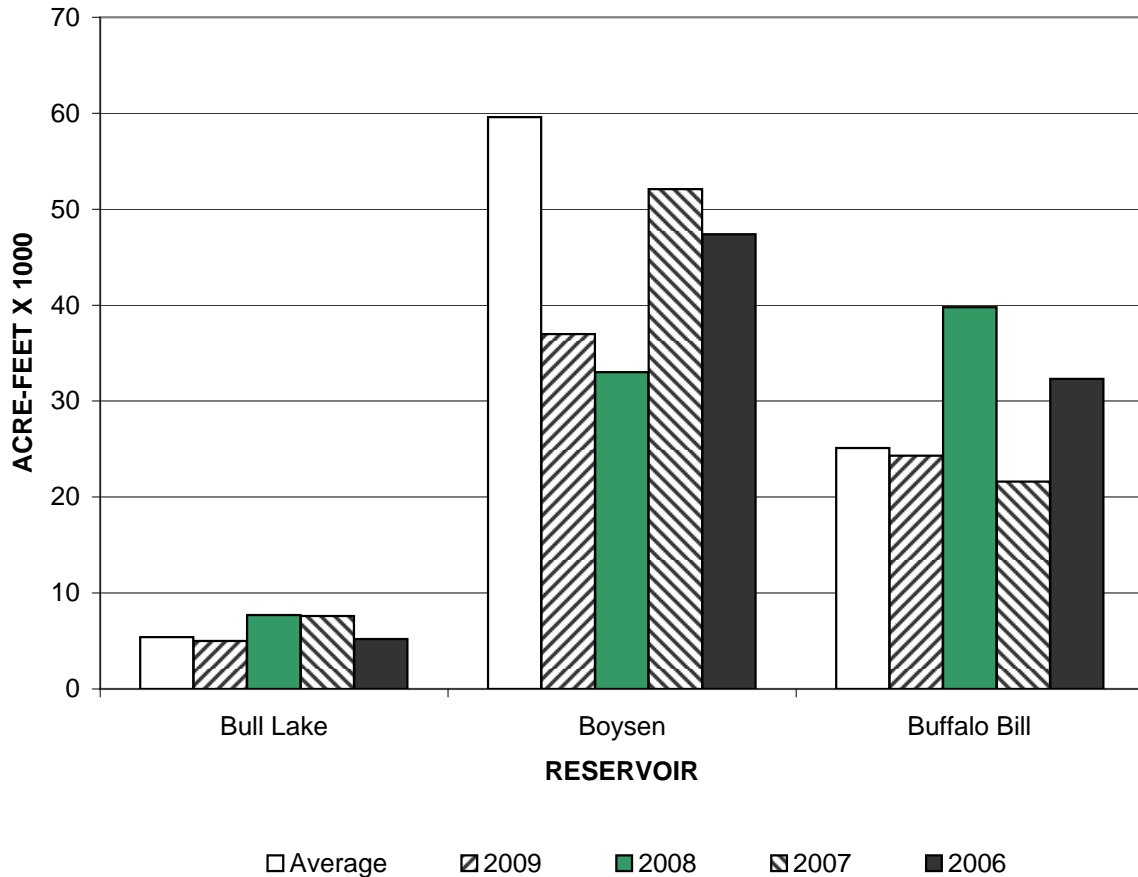
October inflow was below average at Bull Lake, Boysen, and Buffalo Bill Reservoirs.

(1000 acre-feet)

Reservoir	October Inflow			October Historical Inflow			Accumulated Inflow (October)		
	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	5.0	5.4	93	7.7	7.6	5.2	5.0	5.4	93
Boysen	37.0	59.6	62	33.0	52.1	47.4	37.0	59.6	62
Buffalo Bill	24.3	25.1	97	39.8	21.6	32.3	24.3	25.1	97

¹ Average is based on the 1979-2008 period.

BIGHORN RIVER BASIN RESERVOIR INFLOW October



BIGHORN RIVER BASIN OUTFLOW

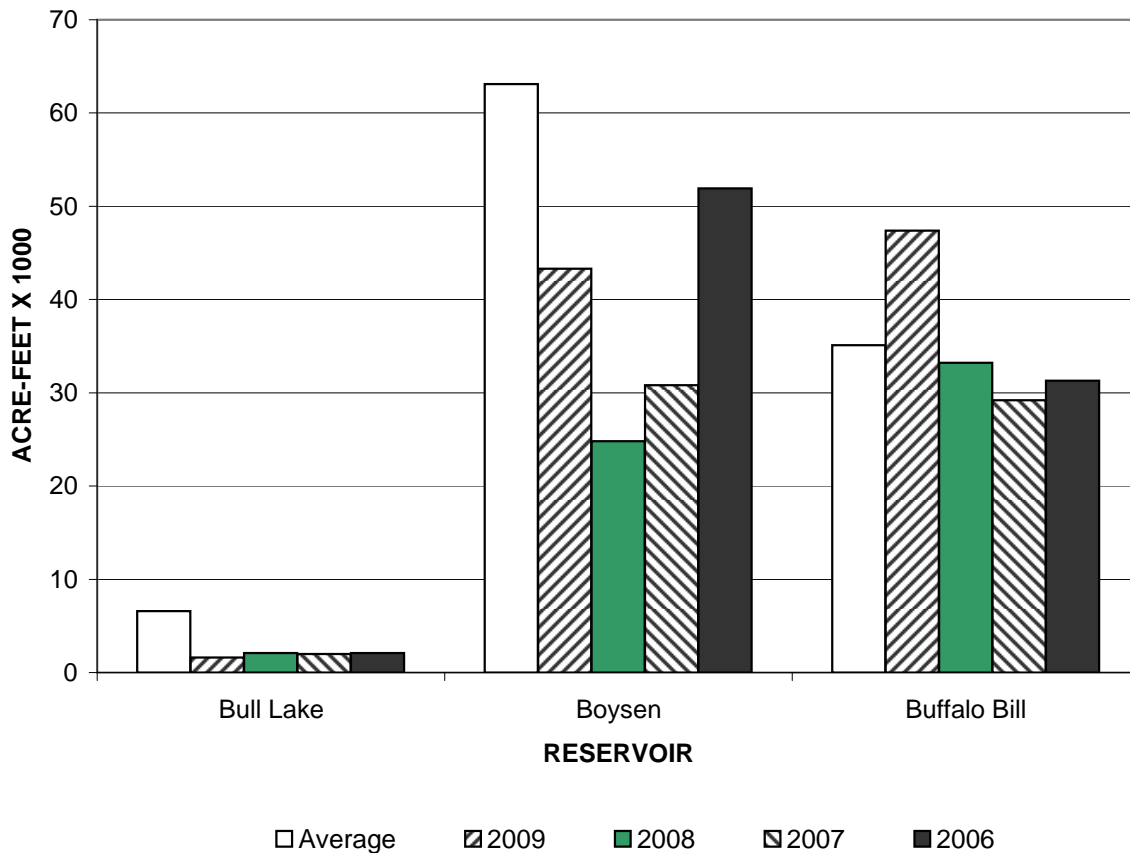
The release from Buffalo Bill Reservoir was above average during October.

(1000 acre-feet)

Reservoir	October Outflow			October Historical Outflow			Accumulated Outflow (October)		
	W. Yr. 2009	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2008	30 Yr. Avg.	% of Avg.
Bull Lake	1.6	6.6	24	2.1	2.0	2.1	1.6	6.6	24
Boysen	43.3	63.1	69	24.8	30.8	51.9	43.3	63.1	69
Buffalo Bill	47.4	35.1	135	33.2	29.2	31.3	47.4	35.1	135

¹ Average is based on the 1979-2008 period.

BIGHORN RIVER BASIN RESERVOIR OUTFLOW October



BIGHORN RIVER BASIN STORAGE

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

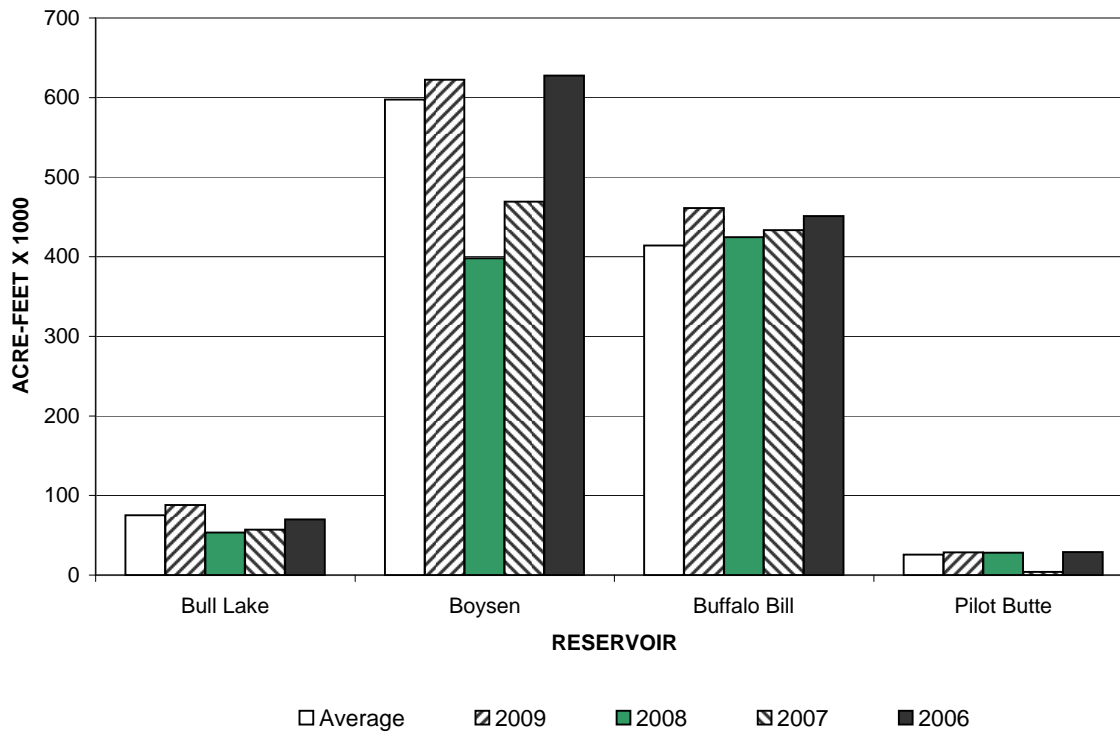
(1000 acre-feet)

Reservoir	Total Storage End of October			End of October Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2009	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006		
Bull Lake	87.9	75.3	117	53.3	56.9	69.9	152.5	58
Boysen	622.5	597.3	104	397.9	469.1	627.5	741.6	84
Buffalo Bill	461.3	414.1 ²	111	424.4	433.5	451.3	646.6	71
Pilot Butte	28.6	25.9	110	28.0	4.0	28.8	33.7	85

¹ Average is based on the 1979-2008 period.

² 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 RIVER BASIN RESERVOIR STORAGE End of October



BIGHORN RIVER BASIN GENERATION

Generation during October was above average at Heart Mtn., Buffalo Bill, and Shoshone Powerplants.

(Energy in giga-watt hours)

Powerplant	October Gross Generation			October Historical Generation			Accumulated Gross Gen. (October)		
	W. Yr. 2009	Avg.	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	Avg.	% of Avg.
Boysen ¹	3.5	5.0	70	1.3	2.1	4.3	3.5	5.0	70
Pilot Butte ²	0.0	0.2	0	0.0	0.0	0.4	0.0	0.2	0
Heart Mtn. ³	0.8	0.7	114	0.9	0.9	0.0	0.8	0.7	114
Buffalo Bill ³	4.8	2.3	209	1.1	0.8	1.9	4.8	2.3	209
Shoshone ³	2.0	1.7	118	1.6	1.9	1.8	2.0	1.7	118
Spirit Mtn. ⁴	0.7	0.9	78	1.0	1.1	0.0	0.7	0.9	78

¹ Average is based on the 1979-2008 period.

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.

BIGHORN RIVER BASIN GROSS GENERATION October

