

July 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

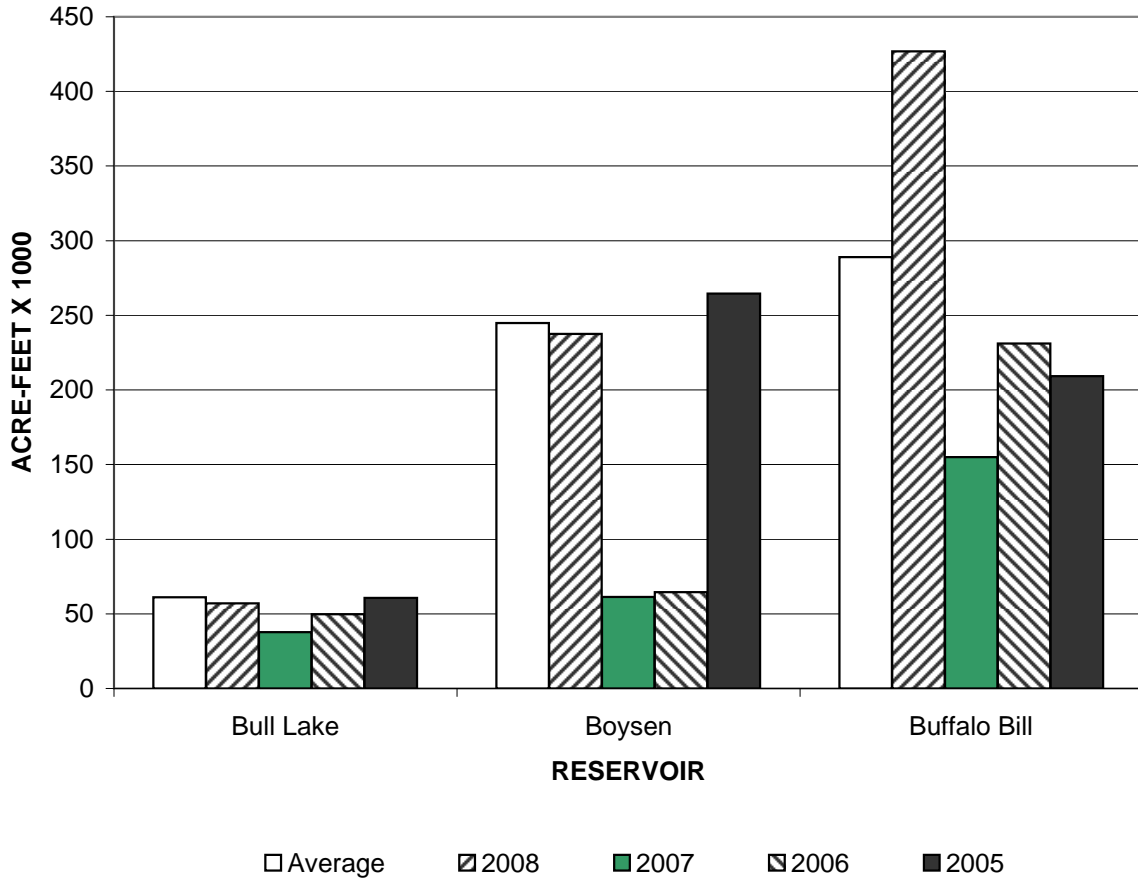
June inflow was above average at Buffalo Bill Reservoir.

(1000 acre-feet)

Reservoir	June Inflow			June Historical Inflow			Accumulated Inflow (October-June)		
	W. Yr. 2008	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005	W. Yr. 2008	30 Yr. Avg.	% of Avg.
Bull Lake	57.0	61.1	93	37.8	49.8	60.7	103.2	109.8	94
Boysen	237.6	244.8	97	61.3	64.6	264.6	599.2	693.3	86
Buffalo Bill	426.8	289.1	148	154.9	231.2	209.3	752.5	596.4	126

¹ Average is based on the 1978-2007 period.

**BIGHORN RIVER BASIN
RESERVOIR INFLOW
June**



BIGHORN RIVER BASIN OUTFLOW

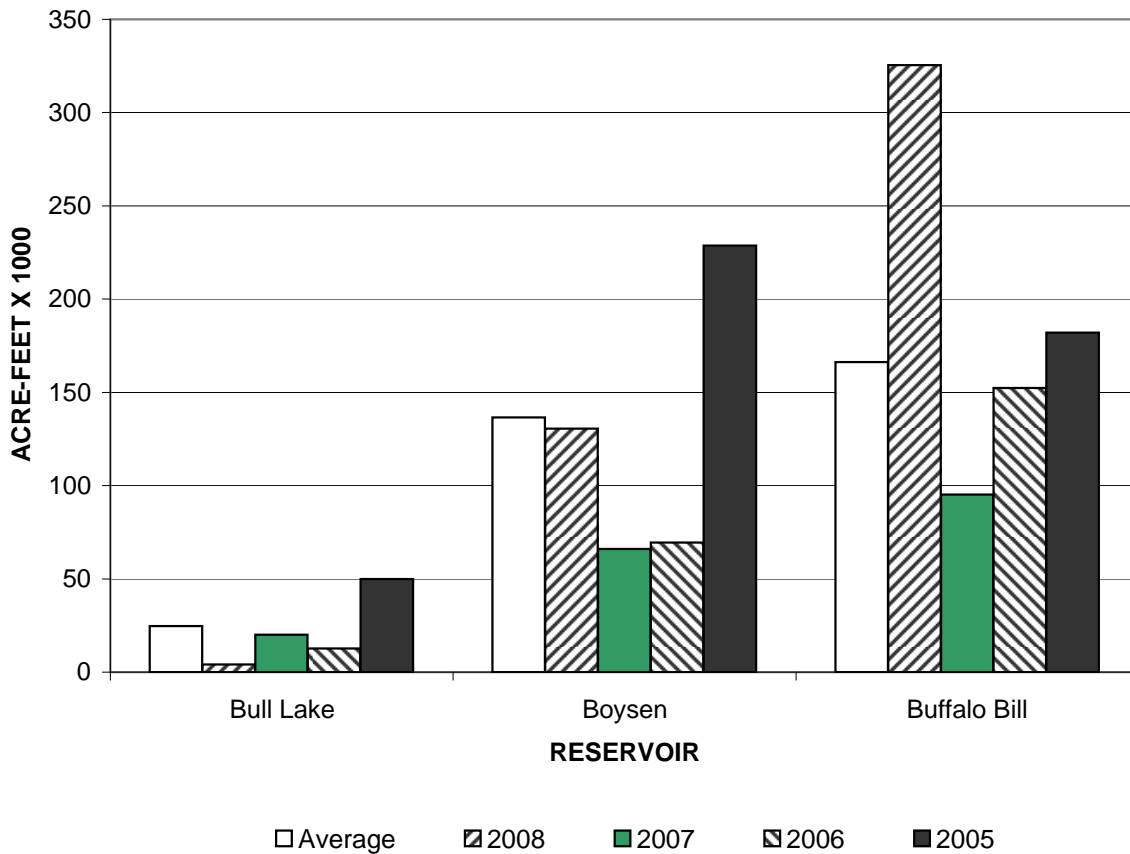
The release from Buffalo Bill Reservoir was above average during June.

(1000 acre-feet)

Reservoir	June Outflow			June Historical Outflow			Accumulated Outflow (October-June)		
	W. Yr. 2008	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005	W. Yr. 2008	30 Yr. Avg.	% of Avg.
Bull Lake	4.1	24.7	17	20.1	12.7	50.0	33.5	59.5	56
Boysen	130.5	136.6	96	66.0	69.5	228.7	368.6	636.8	58
Buffalo Bill	325.5	166.3	196	95.3	152.3	182.1	591.2	452.8	131

¹ Average is based on the 1978-2007 period.

**BIGHORN RIVER BASIN
RESERVOIR OUTFLOW
June**



BIGHORN RIVER BASIN STORAGE

Storage at the end of June was slightly above average at Pilot Butte and Buffalo Bill Reservoirs.

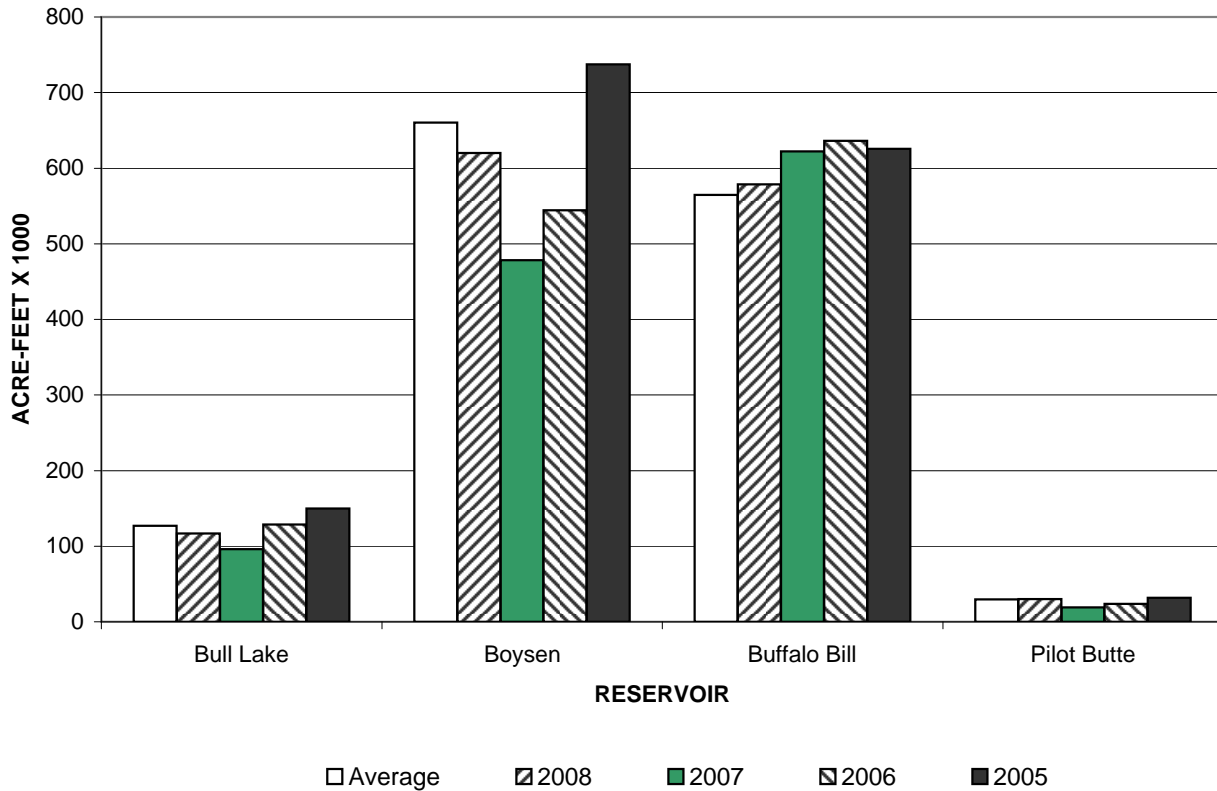
(1000 acre-feet)

Reservoir	Total Storage End of June			End of June Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2008	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005		
Bull Lake	117.0	127.1	92	95.9	128.8	149.7	152.5	77
Boysen	620.1	660.4	94	478.3	544.2	737.5	741.6	84
Buffalo Bill	578.6	564.6 ²	102	622.1	636.4	625.5	646.6	89
Pilot Butte	30.2	29.7	102	19.2	23.8	31.6	33.7	90

¹ Average is based on the 1978-2007 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 2007.

**BIGHORN RIVER BASIN
RESERVOIR STORAGE
End of June**



BIGHORN RIVER BASIN GENERATION

Generation was above average at Boysen, Heart Mountain, and Buffalo Bill Powerplants.

(Energy in giga-watt hours)

Powerplant	June Gross Generation			June Historical Generation			Accumulated Gross Gen. (October-June)		
	W. Yr. 2008	Avg.	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005	W. Yr. 2008	Avg.	% of Avg.
Boysen ¹	9.1	7.7	118	5.2	5.7	11.4	24.6	46.8	53
Pilot Butte ²	0.0	0.6	0	0.9	1.0	0.6	0.7	1.0	70
Heart Mtn. ³	3.1	2.5	124	3.0	3.1	2.3	7.7	5.9	131
Buffalo Bill ³	12.8	10.4	123	5.9	11.1	12.8	31.9	38.5	83
Shoshone ³	1.9	2.1	90	2.1	2.1	2.1	14.3	14.4	99
Spirit Mtn. ⁴	2.5	2.7	93	3.2	3.1	3.1	5.3	5.8	91

¹ Average is based on the 1978-2007 period.

² Average is based on the 1990-2007 period.

³ Average is based on the 1993-2007 period.

⁴ Average is based on the 1995-2007 period.

BIGHORN RIVER BASIN GROSS GENERATION June

