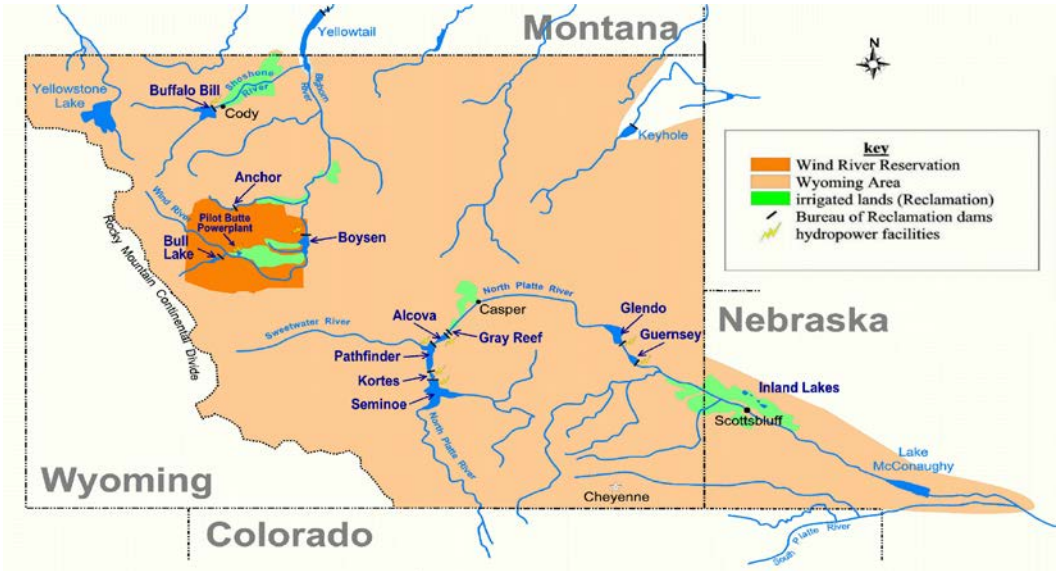
RECLAMATION
Managing Water in the West

Bighorn Basin
Water Supply and Utilization Report
Wyoming Area Office
Report for November 2016



The Wyoming Area Office of the Bureau of Reclamation is responsible for the operation of Reclamation reservoirs in Wyoming east of the Continental Divide except for Keyhole Reservoir. Four off-stream reservoirs in Nebraska commonly referred to as the Inland Lakes also fall within the Wyoming Area. The North Platte River Basin Reservoirs have a combined storage capacity of 2,800,000 acre-feet. The major reservoirs in the Shoshone and Wind/Bighorn Basins have a combined storage capacity of 1,600,000 acre-feet.

United States of America
Department of the Interior
Bureau of Reclamation
Wyoming Area Office
P.O. Box 1630
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Report for November 2016
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 the current report or reports from the previous 12 months**

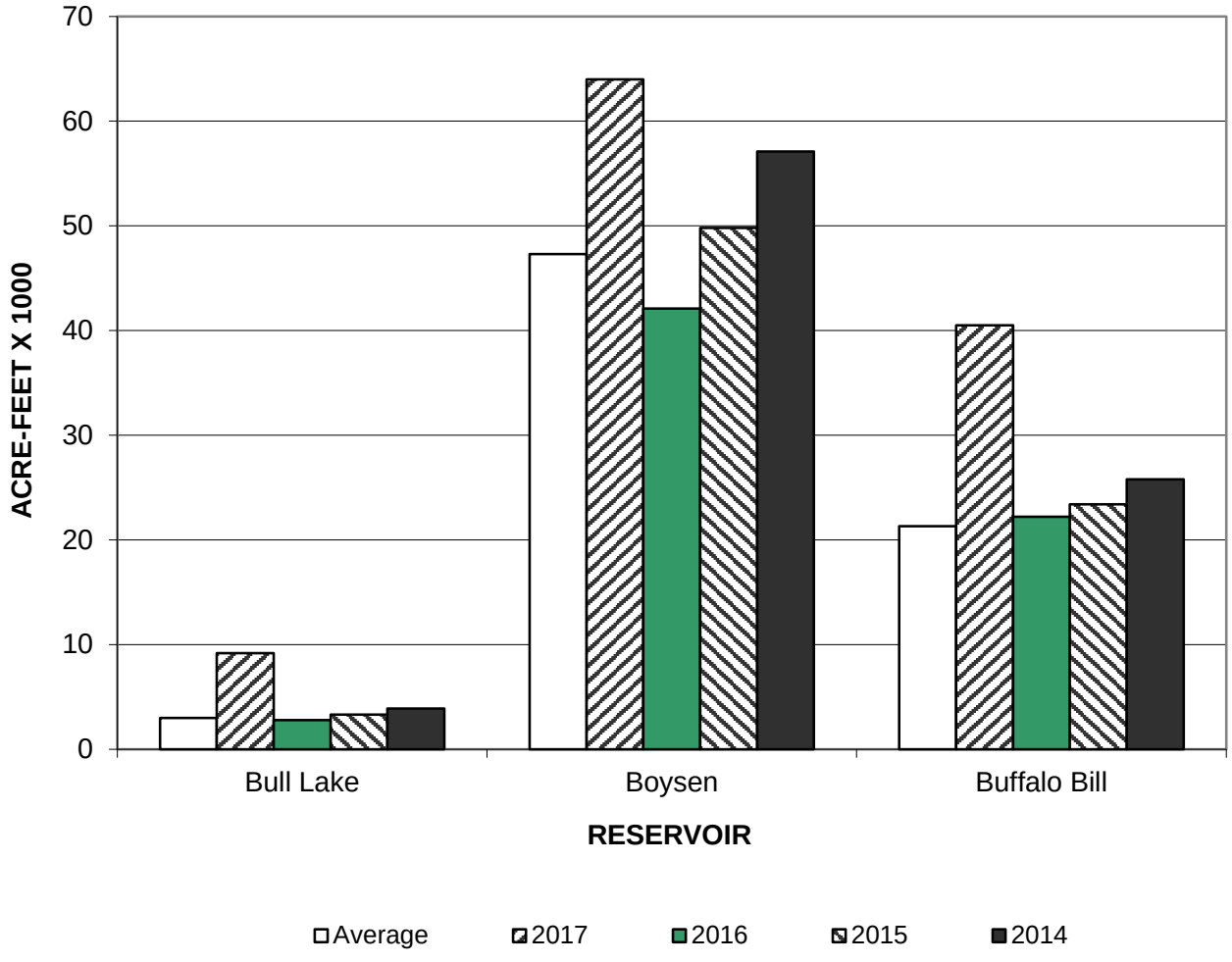
BIGHORN RIVER BASIN INFLOW

(1000 acre-feet)

	November Inflow			November Historical Inflow			Accumulated Inflow (October - November)		
Reservoir	W. Yr. 2017	30 Yr. Avg. [1]	% of Avg.	W. Yr. 2016	W. Yr. 2015	W. Yr. 2014	W. Yr. 2017	30 Yr. Avg.	% of Avg.
Bull Lake	9.2	3.0	307	2.8	3.3	3.9	26.7	8.8	303
Boysen	64.0	47.3	135	42.1	49.8	57.1	139.5	100.2	139
Buffalo Bill	40.5	21.3	190	22.2	23.4	25.8	93.4	46.4	201

[1] Average is based on the 1987-2016 period.

BIGHORN RIVER BASIN
RESERVOIR INFLOW
November



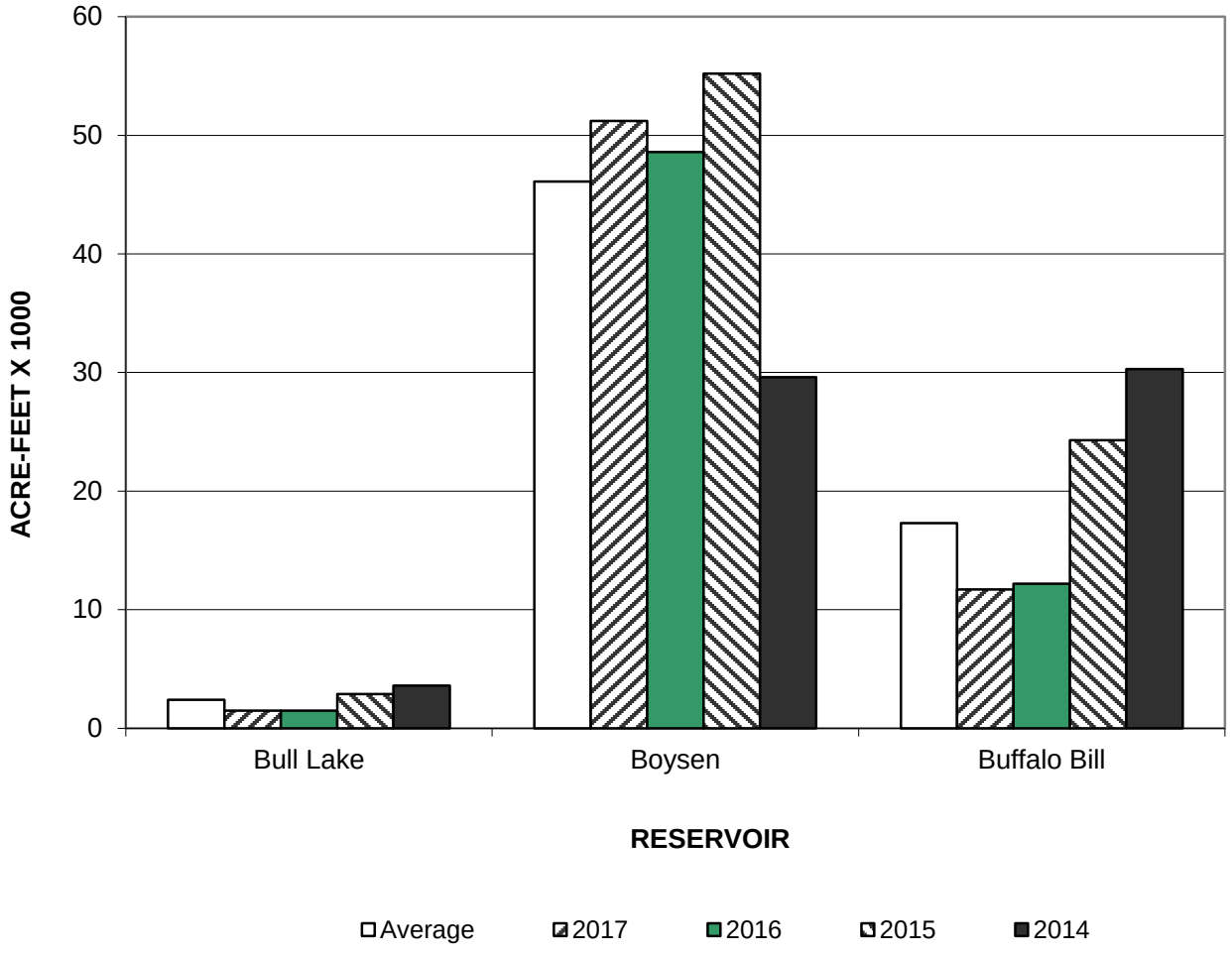
BIGHORN RIVER BASIN OUTFLOW

(1000 acre-feet)

	November Outflow			November Historical Outflow			Accumulated Outflow (October - November)		
Reservoir	W. Yr. 2017	30 Yr. Avg. [1]	% of Avg.	W. Yr. 2016	W. Yr. 2015	W. Yr. 2014	W. Yr. 2017	30 Yr. Avg.	% of Avg.
Bull Lake	1.5	2.4	63	1.5	2.9	3.6	27.6	8.1	341
Boysen	51.2	46.1	111	48.6	55.2	29.6	101.7	97.6	104
Buffalo Bill	11.7	17.3	68	12.2	24.3	30.3	44.6	55.4	81

[1] Average is based on the 1987-2016 period.

BIGHORN RIVER BASIN
RESERVOIR OUTFLOW
November



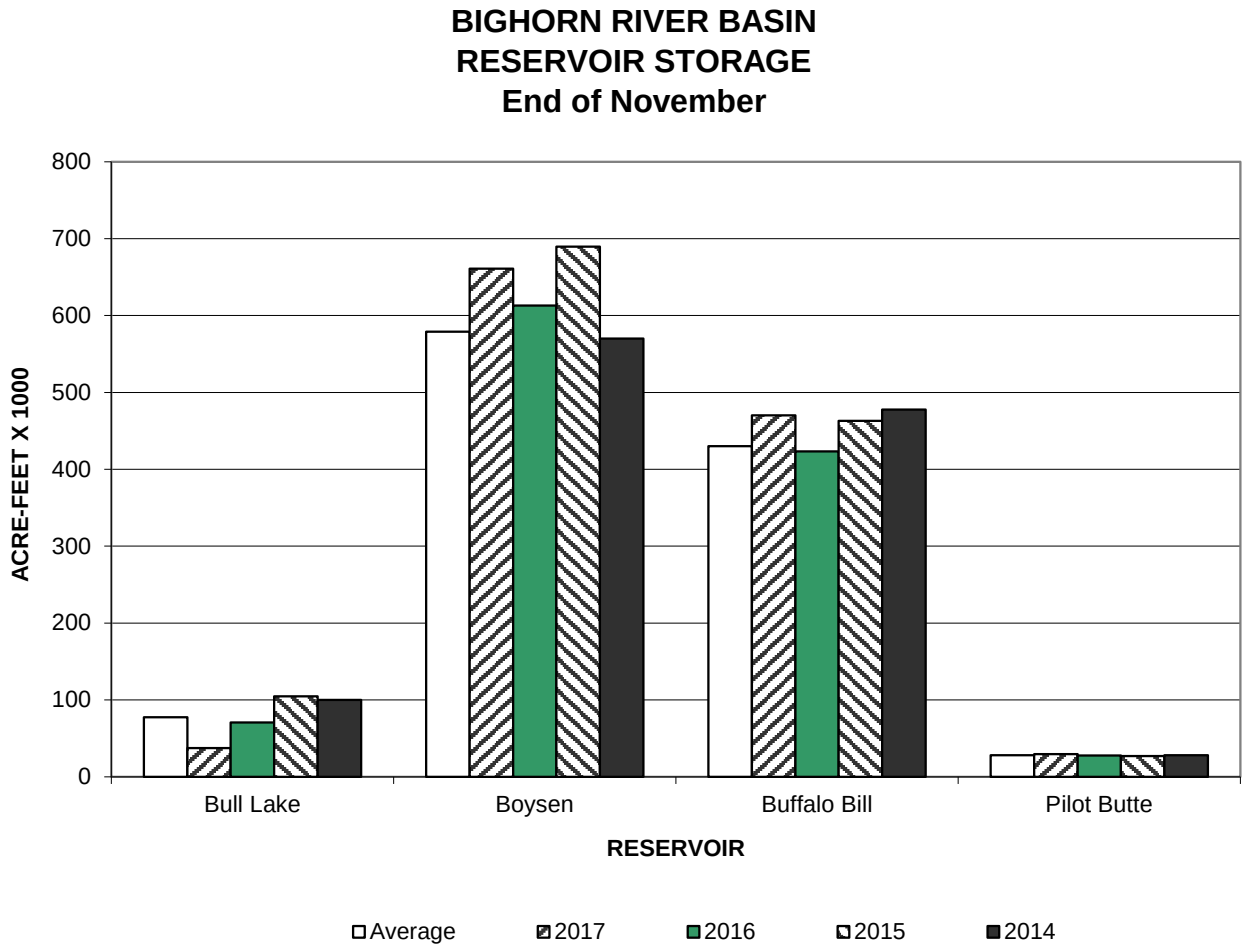
BIGHORN RIVER BASIN STORAGE

(1000 acre-feet)

Reservoir	Total Storage End of November			End of November Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2017	30 Yr. Avg. [1]	% of Avg.	W. Yr. 2016	W. Yr. 2015	W. Yr. 2014		
Bull Lake	37.4	77.4	48	70.7	104.8	100.1	152.5	25
Boysen	661.0	579.2 #	114	612.9	689.7	570.0	741.6	89
Buffalo Bill	470.1	430.0 [2]	109	423.4	463.1	477.7	646.6	73
Pilot Butte	29.5	28.3	104	27.7	27.0	28.0	33.7	88

[1] Average is based on the 1987-2016 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 2016.



BIGHORN RIVER BASIN GENERATION

(Energy in giga-watt hours)

	November Gross Generation			November Historical Generation			Accumulated Gross Gen. (October - November)		
Powerplant	W. Yr. 2017	Avg.	% of Avg.	W. Yr. 2016	W. Yr. 2015	W. Yr. 2014	W. Yr. 2017	Avg.	% of Avg.
Boysen [1]	4.7	3.4	138	4.4	2.8	0.0	8.1	7.3	111
Pilot Butte [2]	0.0	0.0	n/a	0.0	0.0	0.0	0.0	0.2	0
Heart Mtn. [3]	0.0	0.1	0	0.0	0.0	0.0	1.1	0.9	122
Buffalo Bill [3]	0.0	1.8	0	0.9	2.5	4.9	0.1	4.9	2
Shoshone [3]	1.6	1.5	107	1.2	1.6	1.7	3.1	3.1	100
Spirit Mtn. [4]	0.0	0.0	n/a	0.0	0.0	0.0	1.2	1.0	120

[1] Average is based on the 1987-2016 period.

[2] Average is based on the 1990-2016 period. Pilot Butte Powerplant is currently in "mothballed" status and does not generate electricity.

[3] Average is based on the 1993-2016 period.

[4] Average is based on the 1996-2016 period.