

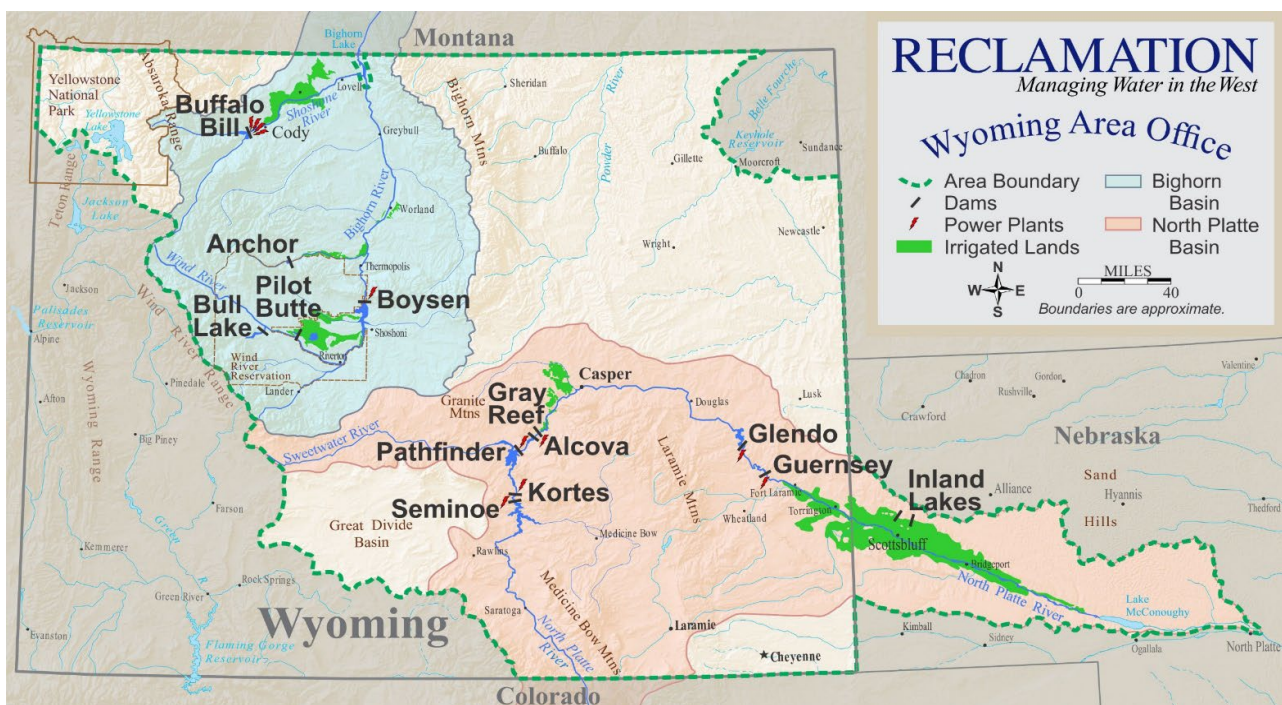


— BUREAU OF —
RECLAMATION

Bighorn Basin Water Supply and Utilization Report

Wyoming Area Office

Report for February 2025



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.

**Report for February 2025
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 RESERVOIR INFLOW

End of February Inflow and Historical Inflows, values in 1,000 acre-feet

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.	W. Yr. 2024	W. Yr. 2023	W. Yr. 2022
Bull Lake	1.9	1.8	105	1.8	2.2	1.1
Boysen	31.3	38.9	80	50.2	35.2	32.1
Buffalo Bill	13.2	13.7	97	18.6	12.4	8.7

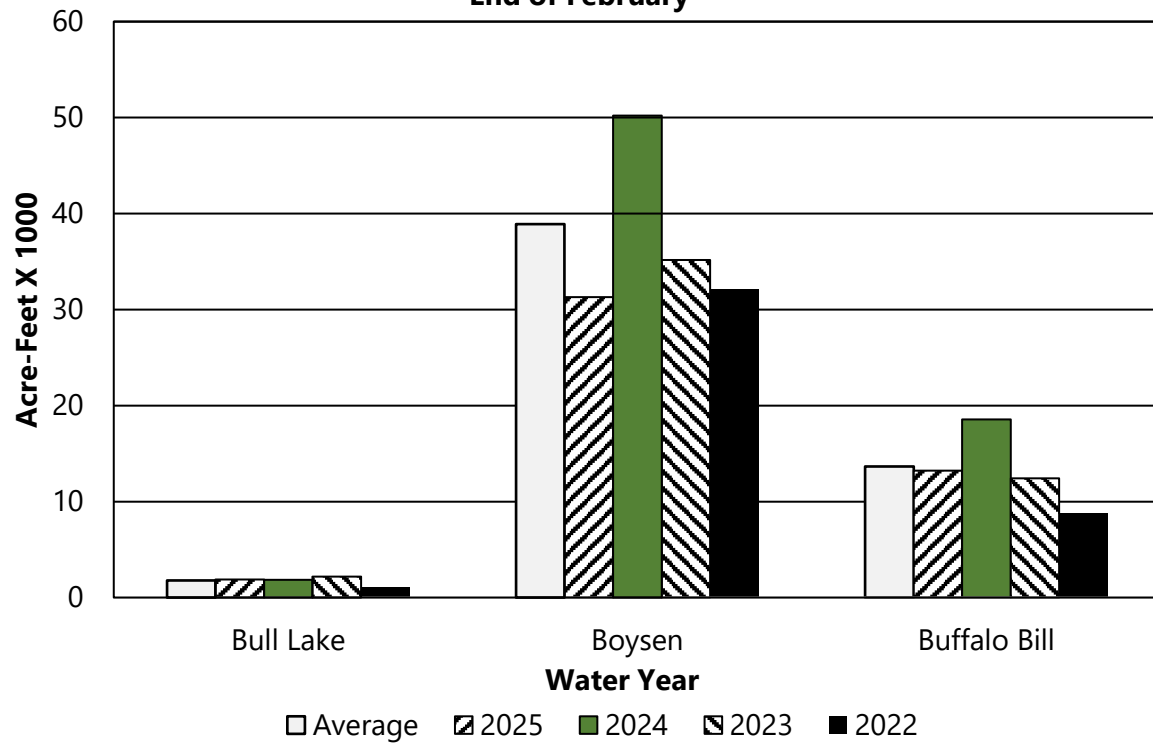
30 year average is based on the 1995- 2024 period.

End of February Accumulated Water Year Inflows in 1,000 acre-feet

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.
Bull Lake	13.1	16.4	80
Boysen	159.4	224.0	71
Buffalo Bill	74.3	101.5	73

BIGHORN RIVER BASIN RESERVOIR INFLOW

End of February



BIGHORN RIVER BASIN RESERVOIR OUTFLOW

End of February Outflow and Historical Outflows, values in 1,000 acre-feet

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.	W. Yr. 2024	W. Yr. 2023	W. Yr. 2022
Bull Lake	1.4	1.7	84	1.8	1.6	1.5
Boysen	39.0	43.5	90	58.4	51.5	39.6
Buffalo Bill	11.4	17.4	65	17.8	11.6	11.5

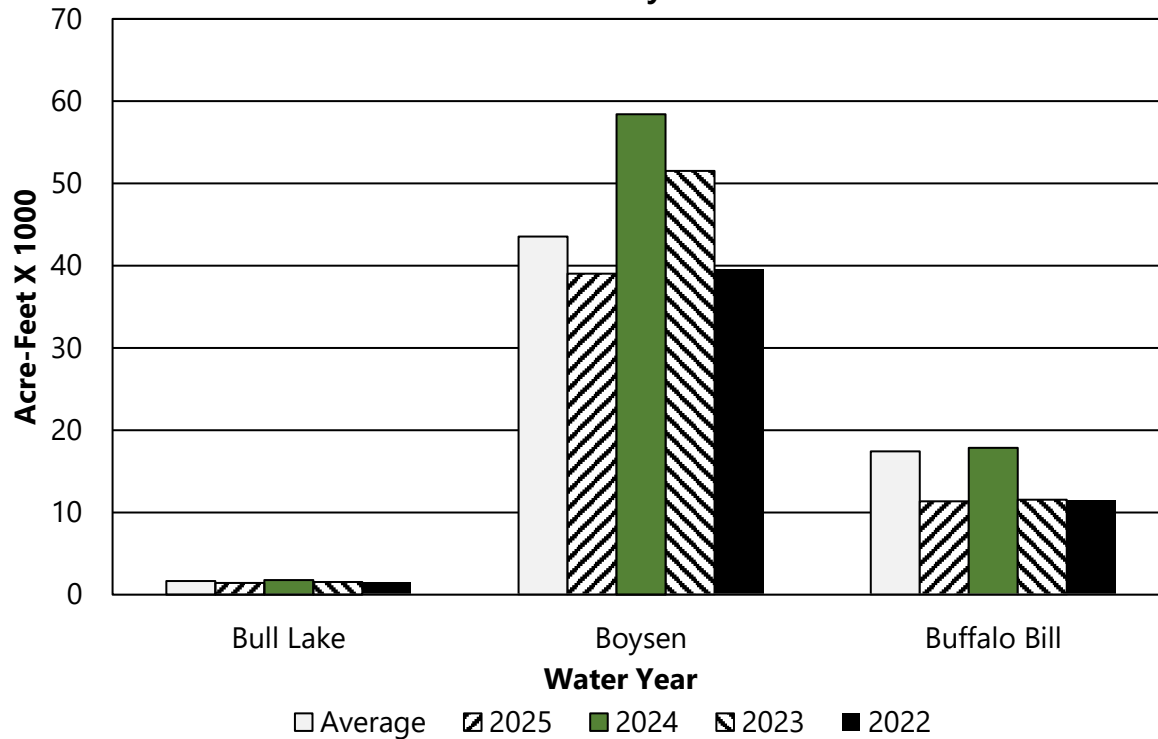
30 year average is based on the 1995- 2024 period.

End of February Accumulated Water Year Outflows in 1,000 acre-feet.

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.
Bull Lake	9.2	14.6	63
Boysen	220.3	239.1	92
Buffalo Bill	101.0	116.7	86

BIGHORN RIVER BASIN RESERVOIR OUTFLOW

End of February



BIGHORN RIVER BASIN RESERVOIR STORAGE

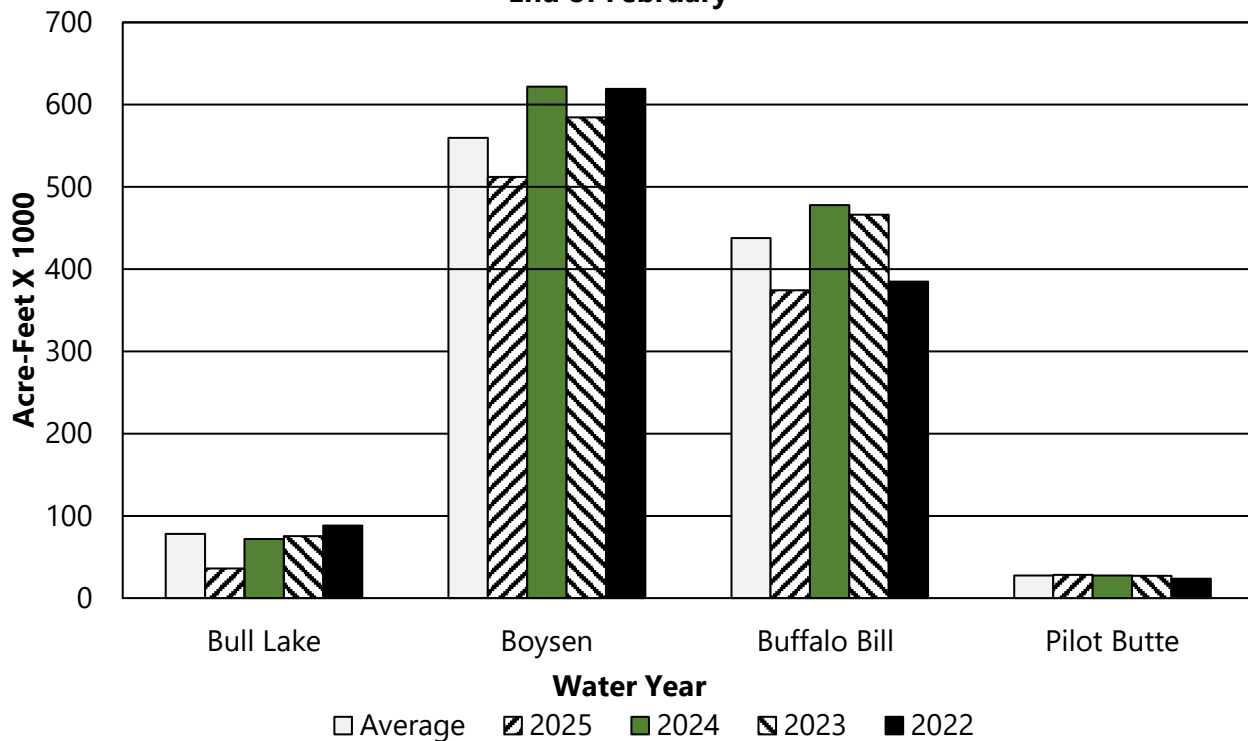
End of February Storage, Historical Storage, and Storage Capacity in 1,000 acre-feet.

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.	W. Yr. 2024	W. Yr. 2023	W. Yr. 2022	Total Conservation Storage Capacity	Percent of Capacity
Bull Lake	36.2	78.1	46	72.0	75.2	88.2	152.5	24
Boysen	512.2	559.7	92	622.0	584.3	619.3	741.6	69
Buffalo Bill	374.2	437.7	85	477.7	466.1	384.9	646.6	58
Pilot Butte	28.3	27.6	102	27.4	27.3	23.7	33.7	84

30 year average is based on the 1995- 2024 period.

BIGHORN RIVER BASIN RESERVOIR STORAGE

End of February



BIGHORN RIVER BASIN RESERVOIR GENERATION

End of February Gross Generation and Historical Generation in giga-watt hours (GWH).

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.	W. Yr. 2024	W. Yr. 2023	W. Yr. 2022
Boysen	2.5	3.2	77.0	5.2	4.4	3.3
Pilot Butte	0.0	0.0	NA	0.0	0.0	0.0
Heart Mtn.	0.0	0.0	NA	0.0	0.0	0.0
Buffalo Bill	0.00	2.0	0.0	0.9	0.0	0.4
Shoshone	1.5	1.0	139.8	1.6	1.6	1.2
Spirit Mtn.	0.0	0.0	NA	0.0	0.0	0.0

The 30 year average is based on the 1995 - 2024 period. Pilot Butte Powerplant is currently in "mothballed" status and does not generate electricity. Spirit Mountain average is based on the 1996 - 2024 period.

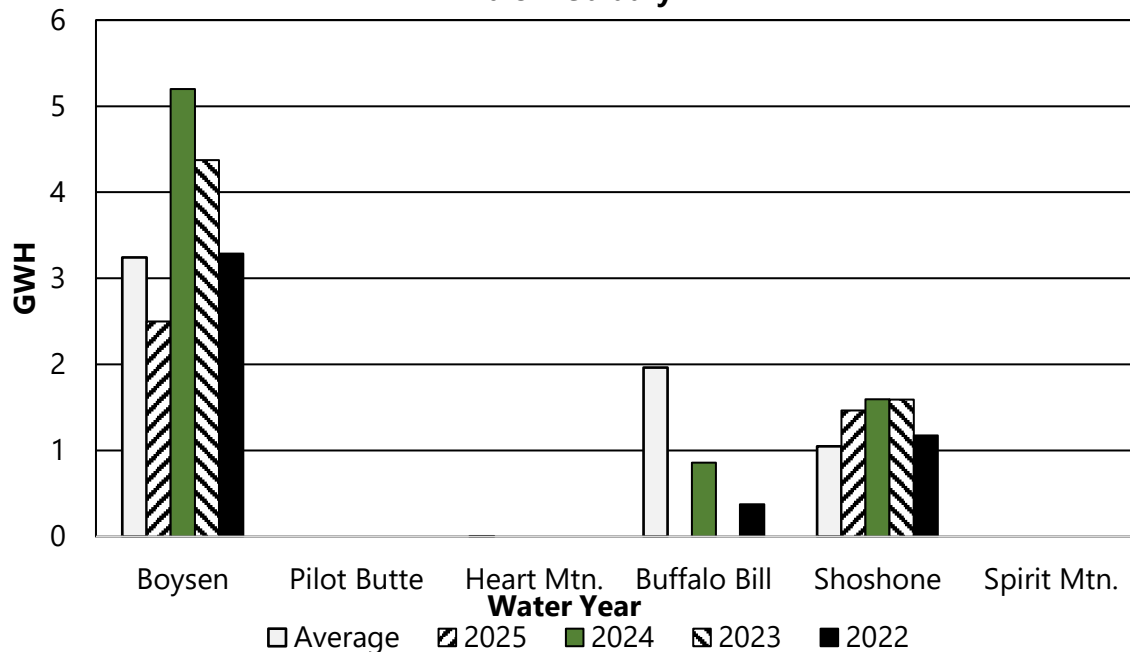
End of February Accumulated Gross Generation Water Year in GWH.

Powerplant	W. Yr. 2025	30 Yr. Avg.	% of Avg.
Boysen	16.9	17.2	98.1
Pilot Butte	0	0.2	NA
Heart Mtn.	1.9	1.1	167.7
Buffalo Bill	2.0	10.5	19.4
Shoshone	5.6	7.2	77.6
Spirit Mtn.	1.7	1.2	140.8

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BIGHORN RIVER BASIN GROSS GENERATION

End of February



BIGHORN SNOWPACK WATER CONTENT

March 1st Snow Water Equivalent

SWE in inches

WATERSHED	W. Yr. 2025	30 Yr. Median	% of Median	W. Yr. 2024	W. Yr. 2023	W. Yr. 2022
Bull Lake Reservoir	9.7	9.2	105%	8.8	9.8	6.1
Boysen Reservoir	10.4	10.6	98%	9.7	10.9	8.8
Buffalo Bill Reservoir	14.1	14.4	98%	12.1	14.2	10.5

Boysen Reservoir Watershed

SWE in inches

Snotel Stations (Elevation)	Water Content	30 Yr. Median
Burroughs Creek (8,750)	9.2	10.6
Hobbs Park (10,100)	10.6	10.1
Kirwin (9,800)	7.7	8.6
Little Warm (9,620)	8.3	7.8
Togwotee Pass (9,580)	18.2	18.8
Townsend Creek (8,700)	6.9	6.5
Younts Peak (8,350)	11.6	11.8
Watershed Average	10.4	10.6

Buffalo Bill Reservoir Watershed

SWE in inches

Snotel Stations (Elevation)	Water Content	30 Yr. Median
Blackwater (9,780)	18.2	17.2
Evening Star (9,200)	19.7	21.8
Marquette (8,760)	6.3	5.2
Sylvan Lake (8,420)	14.8	15.7
Sylvan Road (8,120)	10.0	10.2
Togwotee Pass (9,580)	18.2	18.8
Younts Peak (8,350)	11.6	11.8
Watershed Average	14.1	14.4

Bull Lake Reservoir Watershed

SWE in inches

Snotel Stations (Elevation)	Water Content	30 Yr. Median
Elkhart Park (8,400)	10.1	9.6
Hobbs Park (10,100)	10.6	10.1
Little Warm (9,620)	8.3	7.8
Watershed Average	9.7	9.2

SWE (Snow Water Content is the amount of water in the snowpack expressed in inches).
Median for the 1991-2020 period.

MARCH BIGHORN WATER SUPPLY FORECAST

April through July Forecast and Historical Runoff Volumes KAF

Forecast Points	Forecast Reasonable Minimum	Forecast Expected	Forecast Reasonable Maximum	30 Yr. April - July Avg.	Expected % of Avg.	Actual April-July Runoff 2022	Actual April - July Runoff 2023	Actual April - July Runoff 2024
Bull Lake Reservoir	100	130	180	147	88	141	187	127
Wind River above Bull Lake Creek	210	350	480	445	79	349	523	347
Boysen Reservoir	220	450	860	633	71	488	1058	457
Buffalo Bill Reservoir	450	650	950	761	85	770	765	619

The probability is estimated to be 9 chances in 10 that the actual volume will fall between the reasonable minimum and reasonable maximum. Average is based on the 1995-2024 period.

Exceedance Forecast:

Forecast Points	90%	70%	50%	% of Avg	30%	10%	30 Yr. April - July Runoff Avg.
Bull Lake Reservoir	100	118	130	88	150	180	147
Wind River above Bull Lake Creek	210	293	350	79	403	480	445
Boysen Reservoir	220	356	450	71	618	860	633
Buffalo Bill Reservoir	450	568	650	85	773	950	761

Average is based on the 1995-2024 period.