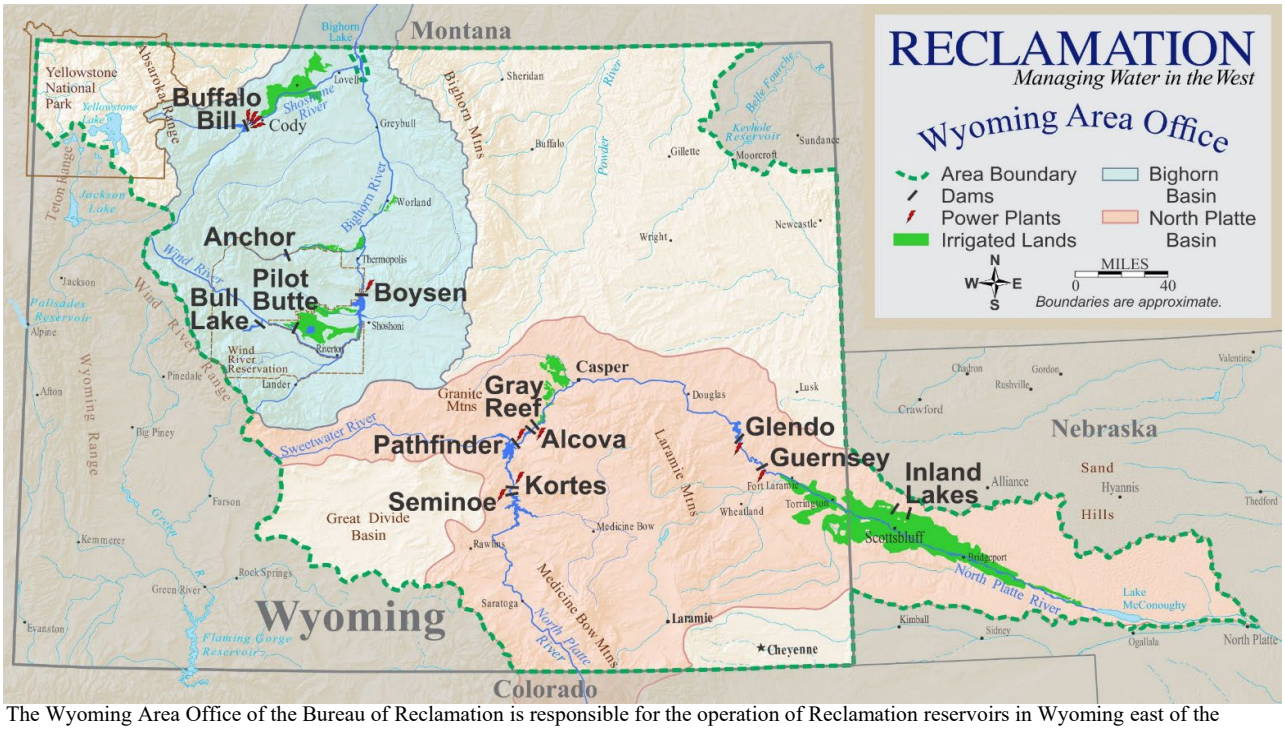
Bighorn Basin Water Supply and Utilization Report
Wyoming Area Office
Report for March 2025



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 withir 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 March 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

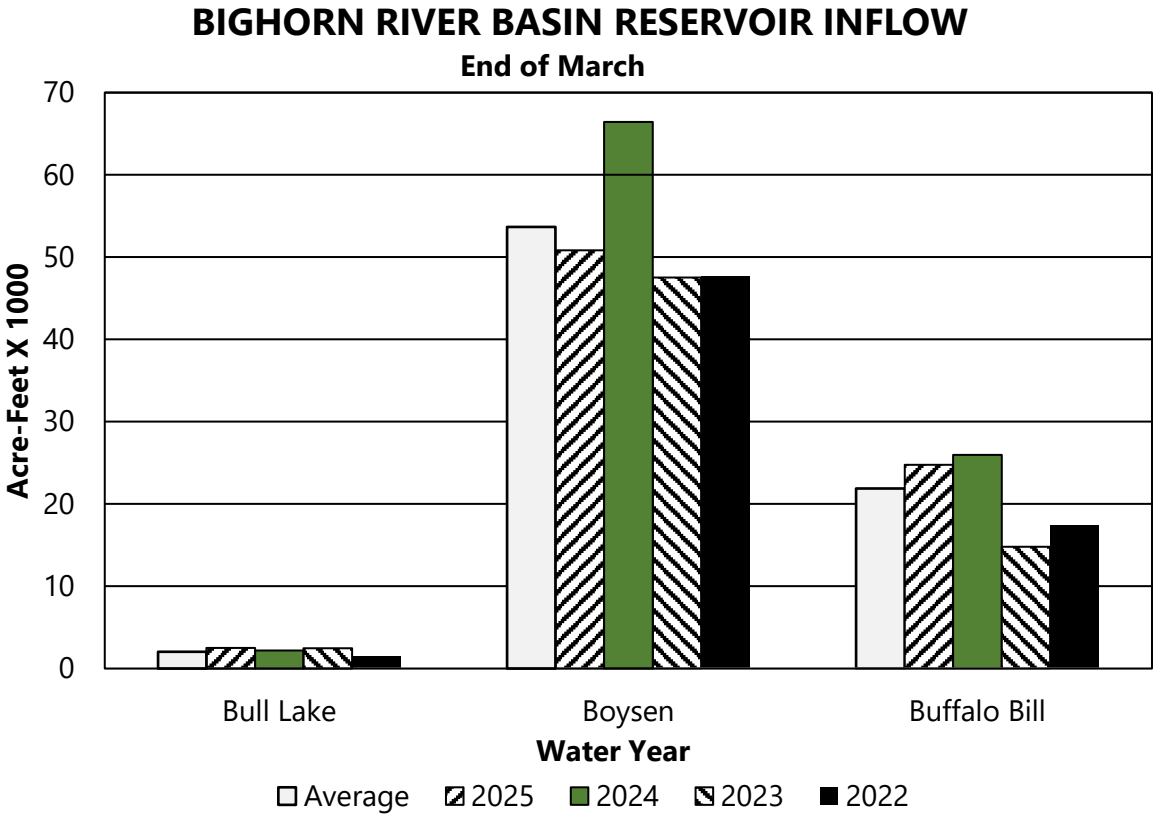
End of March Inflow and Historical Inflows, values in 1,000 acre-feet

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.	W. Yr. 2024	W. Yr. 2023	W. Yr. 2022
Bull Lake	2.5	2.0	122	2.2	2.5	1.5
Boysen	50.8	53.7	95	66.4	47.5	47.7
Buffalo Bill	24.8	21.9	113	26.0	14.8	17.4

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

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

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.
Bull Lake	15.6	18.5	84
Boysen	210.2	278.1	76
Buffalo Bill	99.1	123.5	80



BIGHORN RIVER BASIN RESERVOIR OUTFLOW

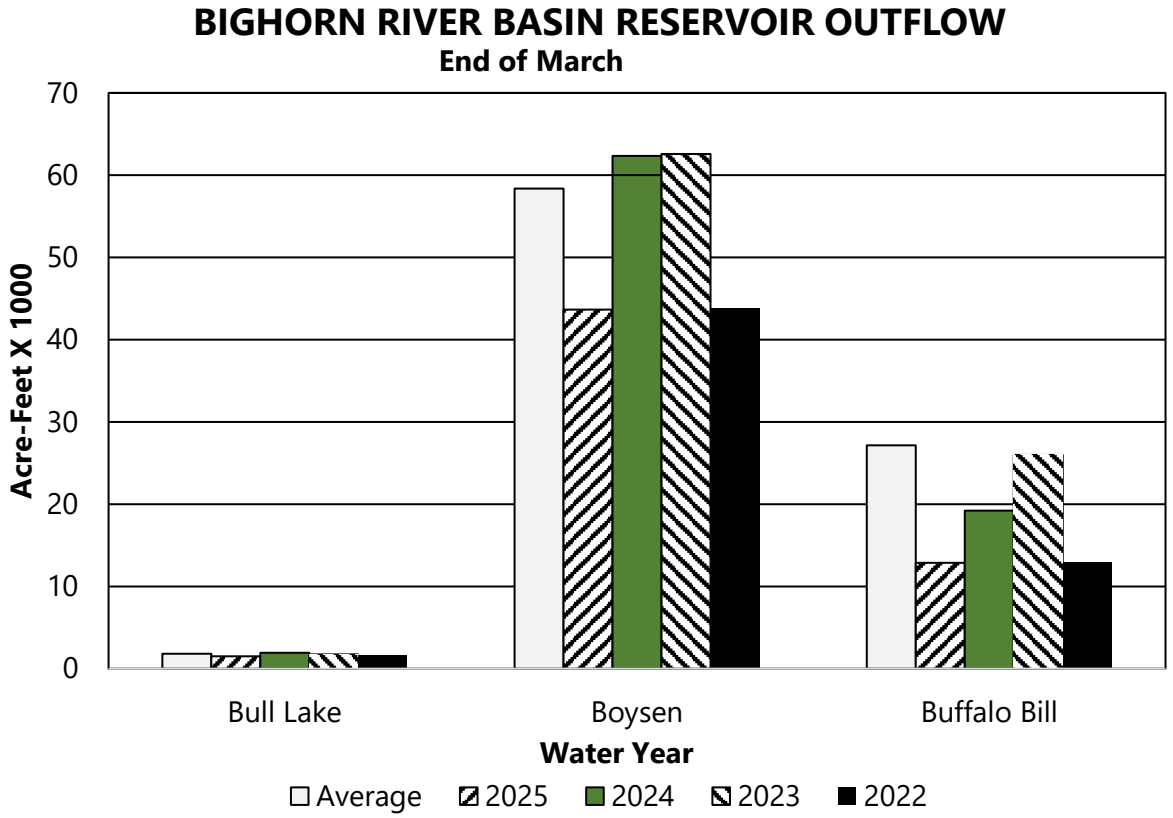
End of March Outflow and Historical Outflows, values in 1,000 acre-feet

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.	W. Yr. 2024	W. Yr. 2023	W. Yr. 2022
Bull Lake	1.5	1.8	84	1.9	1.7	1.6
Boysen	43.7	58.4	75	62.3	62.6	43.8
Buffalo Bill	12.9	27.2	47	19.2	26.0	12.9

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

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

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.
Bull Lake	10.7	16.5	65
Boysen	264.0	297.9	89
Buffalo Bill	113.8	144.1	79

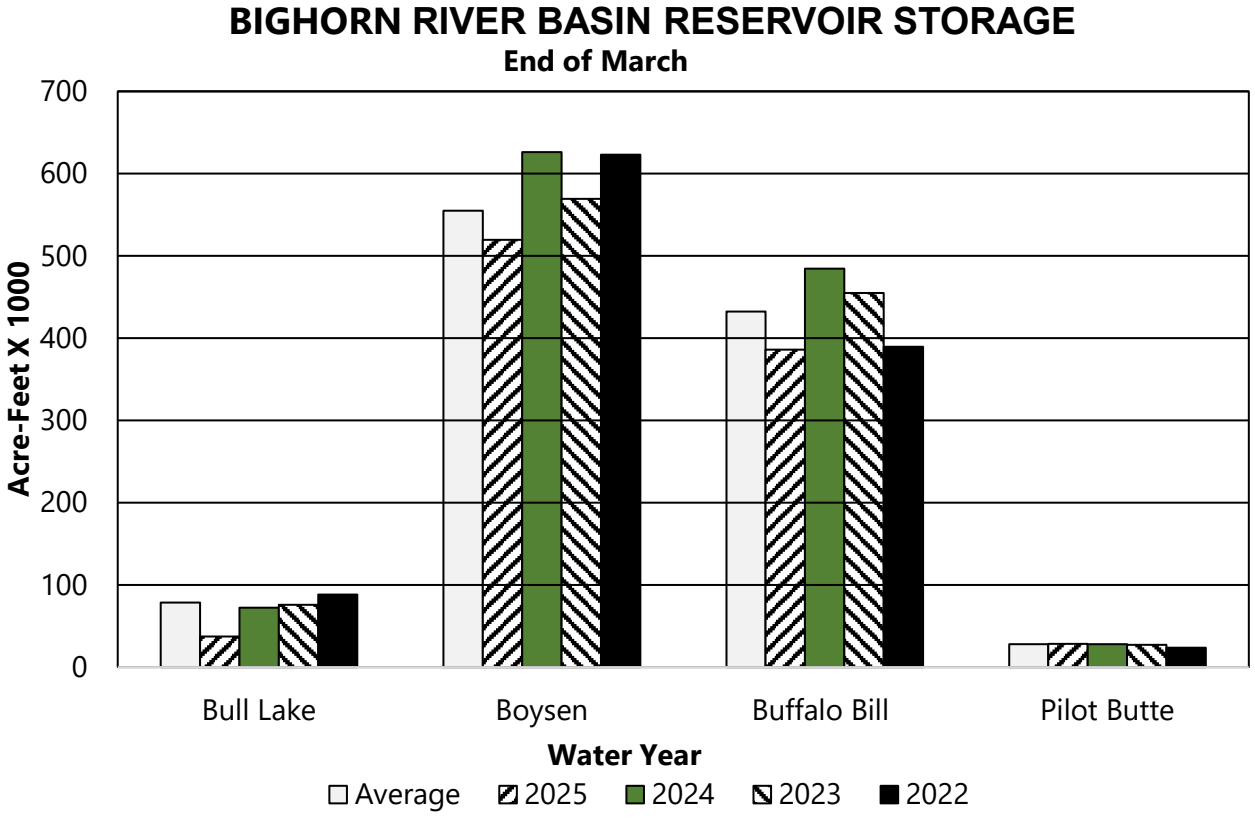


BIGHORN RIVER BASIN RESERVOIR STORAGE

End of March 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	37.2	78.3	47	72.2	75.9	88.1	152.5	24
Boysen	519.4	554.9	94	626.1	569.2	623.2	741.6	70
Buffalo Bill	386.1	432.4	89	484.4	454.9	389.4	646.6	60
Pilot Butte	28.3	27.8	102	27.9	27.3	23.5	33.7	84

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



BIGHORN RIVER BASIN RESERVOIR GENERATION

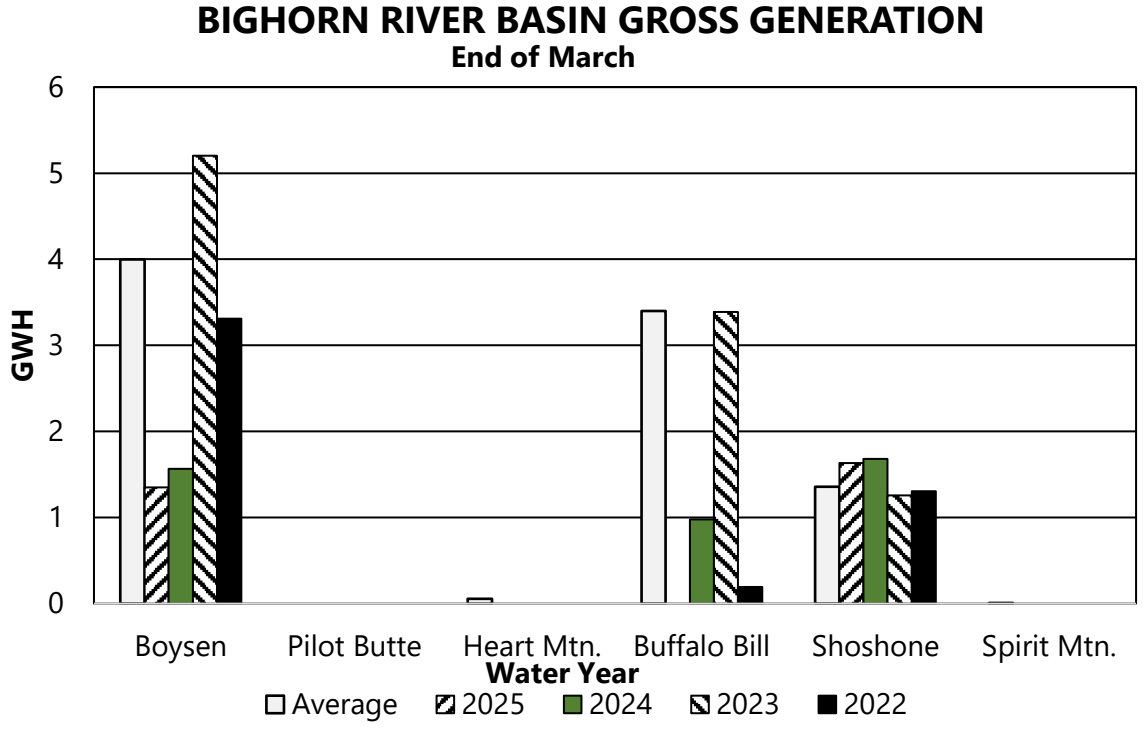
End of March Gross Generation and Historical Generation in giga-watt hours (GWH).

Reservoir	W. Yr. 2025	30 Yr. Avg.	% of Avg.	W. Yr. 2024	W. Yr. 2023	W. Yr. 2022
Boysen	1.4	4.0	33.8	1.6	5.2	3.3
Pilot Butte	0.0	0.0	0.0	0.0	0.0	0.0
Heart Mtn.	0.0	0.1	0.0	0.0	0.0	0.0
Buffalo Bill	0.0	3.4	0.0	1.0	3.4	0.2
Shoshone	1.6	1.4	120.5	1.7	1.3	1.3
Spirit Mtn.	0.0	0.0	0.0	0.0	0.0	0.0

Th 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 March Accumulated Gross Generation Water Year in GWH.

	Powerplant	W. Yr. 2025	30 Yr. Avg.	% of Avg.
	Boysen	18.3	21.3	85.9
	Pilot Butte	0	0.2	0
	Heart Mtn.	1.9	1.2	159.7
	Buffalo Bill	2.0	13.9	14.6
#	**Shoshone**	7.2	8.6	84.3
	Spirit Mtn.	1.7	1.2	139.8



BIGHORN SNOWPACK WATER CONTENT

April 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	12.7	12.1	105%	12.8	12.4	10.2
Boysen Reservoir	14.2	13.3	106%	13.9	13.7	11.1
Buffalo Bill Reservoir	18.0	17.1	105%	16.1	17.8	12.8

Boysen Reservoir Watershed

SWE in inches

Snotel Stations (Elevation)	Water Content	30 Yr. Median
Burroughs Creek (8,750)	12.3	12.7
Hobbs Park (10,100)	14.5	13.8
Kirwin (9,800)	11.7	10.4
Little Warm (9,620)	10.7	10.2
Togwotee Pass (9,580)	24.2	22.9
Townsend Creek (8,700)	10.4	8.9
Younts Peak (8,350)	15.3	14.2
Watershed Average	**14.2**	**13.3**

Buffalo Bill Reservoir Watershed

SWE in inches

Snotel Stations (Elevation)	Water Content	30 Yr. Median
Blackwater (9,780)	23.8	22.0
Evening Star (9,200)	25.4	24.4
Marquette (8,760)	9.9	6.8
Sylvan Lake (8,420)	18.3	19.1
Sylvan Road (8,120)	8.8	10.6
Togwotee Pass (9,580)	24.2	22.9
Younts Peak (8,350)	15.3	14.2
Watershed Average	**18.0**	**17.1**

Bull Lake Reservoir Watershed

SWE in inches

Snotel Stations (Elevation)	Water Content	30 Yr. Median
Elkhart Park (8,400)	12.9	12.2
Hobbs Park (10,100)	14.5	13.8
Little Warm (9,620)	10.7	10.2
Watershed Average	**12.7**	**12.1**

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

APRIL 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	250	370	560	445	83	349	523	347
Boysen Reservoir	230	480	900	633	76	488	1058	457
Buffalo Bill Reservoir	500	680	920	761	89	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	250	321	**370**	**83**	448	560	445
Boysen Reservoir	230	378	**480**	**76**	652	900	633
Buffalo Bill Reservoir	500	606	**680**	**89**	778	920	761

Average is based on the 1995-2024 period.