



# Natural Resources Conservation Service

U.S. DEPARTMENT OF AGRICULTURE

## SHERIDAN COUNTY SNOWPACK REPORT February 1, 2025

The 2025 Sheridan County Snowpack Report season begins with cold weather and though this discussion does not include the snow that came on this Sunday/Monday, February 2 & 3<sup>rd</sup>, snow-water content in the Bighorns begins February significantly higher than a year ago. February 1<sup>st</sup> data show variable snowpack water content on the eastern Bighorns, ranging from 46% to 135% of 30-year medians. Combined manually collected snow-course data with Snotel remote-site data shows the Tongue River drainage basin average essentially at median, at 99%. The Clear Creek drainage composite snow-course and Snotel data is much different with average basin-wide snow-water at 63% of median. Snotel data from sites throughout the Powder River basin, including Clear Creek, averaged a bit higher at 87% of median, suggesting more snowpack water in the southern portion of the basin.

Tongue River and Clear Creek watershed snowpack snow-water are both significantly higher this year compared to early February 2024. Tongue River is 225% of last year while Clear Creek is 130% of February 1, 2024, data.

Across Wyoming, February 1st Snotel data shows most of the Wyoming river basins somewhat below median. The Upper Yellowstone River basin, in the extreme northwest part of the State on the Wyoming-Montana border was the lowest in the State, at 80% of 30-year median. The Belle Fourche basin, in the northeast, had the State's highest percent of median snow-water at 103% of median.

Manual snow course data in this report were collected January 27<sup>th</sup> to January 29<sup>th</sup>. Snotel data is as reported, end-of-day, on January 31<sup>st</sup>. As reminder, Snotel data collectors are permanent, remote sites collecting and transmitting real-time snow-water content and precipitation data via satellite link across the West. Daily data from these sites, as well as other water supply-related reports and products can be accessed through the Wyoming Snow Survey and Water Supply link on the Wyoming NRCS Homepage at <https://www.nrcs.usda.gov/conservation-basics/conservation-by-state/wyoming>

Site	Site Elevation	Observed Snow Depth (Inches)	Observed Snow Water Content (Inches)	30 year Median Water Content (Inches)	2025 Observed as % of Median	2025 Observed as % of Last Year
<b>Tongue River Drainage</b>						
North Tongue Snow Course	8450'	32	7.3	7.2	101%	152%
Sawmill Divide Snow Course	9260'	32	7.5	8.0	94%	123%
Woodrock Snow Course	8440'	24	5.1	5.4	94%	189%
Bald Mountain Snotel	9380'	47	13.2	11	120%	176%
Big Goose Snotel	7990'	18	4.1	4.8	85%	152%
Bone Springs Snotel	9350'	34	8.3	10.2	81%	122%
Burgess Junction Snotel	7880'	30	7.0	6.6	106%	175%
Dome Lake Snotel	8880'	23	5.1	6.7	76%	255%
Sucker Creek Snotel	8880'	33	7.5	7.6	99%	144%
Tie Creek Snotel	6870'	16	4.6	3.4	135%	767%
				Average:	99%	225%
<b>Clear Creek Drainage</b>						
Soldier Park Snow Course	8720'	9	1.3	2.8	46%	130%
Sourdough Snow Course	8460'	14	2.2	3.4	65%	79%
Cloud Peak Snotel	9860'	29	6.6	8.8	75%	97%
Hansen Sawmill Snotel	8360'	12	2.6	4.2	62%	186%
Powder River Pass Snotel	9480'	20	4.8	7	69%	160%
				Average:	63%	130%

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