



Natural Resources Conservation Service

U.S. DEPARTMENT OF AGRICULTURE

SHERIDAN COUNTY SNOWPACK REPORT

April 1, 2025

The April Fool’s Day 2025 Sheridan County Snowpack Report this year came with typical weather for spring in Wyoming: muddy, drizzly and trying to snow! While most of our low elevation snow is gone, snow-water content in the northern Bighorns averages essentially at median. The southern Big Horns are more or less the same as a year ago with less snowpack water, averaging just better than two-thirds of median. As has been the theme this year, eastern Bighorn’s snowpack water content ranged widely with data from 66% to 144% of 30-year medians. Tongue River drainage data are just above median, 102%, based on combined manually collected snow-course data and Snotel remote-site data, while the Clear Creek drainage composite snow-course and Snotel data at 70% of median is much lower. The entire Powder River basin, including Clear Creek, averages a bit better with Snotel data alone, at 77% of median.

Across Wyoming, April 1st Snotel data show the State’s central and western river basins near to just above median, though the State’s eastern high plains basins, remain below normal. The Snake River and Wind River basins were the highest in the State this month, both at 106% of 30-year median. The State’s lowest percent of median snow-water this month at 48% of median was the Cheyenne River basin in the east-central Wyoming.

Manual snow course data in this report were collected March 27th to 31st. Snotel data is as reported, end-of-day, on March 31st. 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
Tongue River Drainage						
North Tongue Snow Course	8450'	41	11.0	11.6	95%	149%
Sawmill Divide Snow Course	9260'	43	11.3	11.7	97%	122%
Woodrock Snow Course	8440'	30	8.2	9.1	90%	178%
Bald Mountain Snotel	9380'	65	20.4	18.6	110%	167%
Big Goose Snotel	7990'	27	7.1	8.2	87%	127%
Bone Springs Snotel	9350'	47	15.3	16.2	94%	128%
Burgess Junction Snotel	7880'	39	10.8	9.8	110%	154%
Dome Lake Snotel	8880'	41	10.4	11.2	93%	121%
Sucker Creek Snotel	8880'	42	11.6	11.6	100%	130%
Tie Creek Snotel	6870'	22	7.2	5.0	144%	327%
				Average:	102%	160%
Clear Creek Drainage						
Soldier Park Snow Course	8720'	***	***	4.6	***	***
Sourdough Snow Course	8460'	23	4.2	6.4	66%	72%
Cloud Peak Snotel	9860'	40	10.6	14	76%	97%
Hansen Sawmill Snotel	8360'	18	4.6	6.6	70%	96%
Powder River Pass Snotel	9480'	26	7.1	10.6	67%	118%
*** Not Measured; Inaccessible				Average:	70%	96%

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