



Natural Resources Conservation Service

U.S. DEPARTMENT OF AGRICULTURE

SHERIDAN COUNTY SNOWPACK REPORT May 1, 2025

The final 2025 Sheridan County Snowpack Report for May Day this year shows some departure the trends of most of the season. Snow-water content averages are higher than we've seen this year, with the Clear Creek drainage averaging essentially at median thanks to some mid elevation snowpack improvement. The northern Bighorns averages jumped also, taking them above median for this point in the year. Both the Clear Creek drainage sites and the Tongue River basin sites are significantly ahead of this date a year ago as well. Interestingly, the Clear Creek snowpack water values vary extensively by elevation with the sites with low elevation sites melted out or inaccessible due to muddy and melted conditions, while sites above 9000 ft range from 69% to 82%, and mid elevation sites in the 8000 ft elevation band had readings from 105% -128% of median. Tongue River drainage data varies by elevation as well with the lowest elevation site reporting highest percent of median value this month, and site data ranging from 108% to 162%. It was a different story for the Powder River basin as a whole, though still including Clear Creek, reflecting dryer conditions in the southern basin. May 1st data average just 66% of median based on Snotel data alone.

May 1st Snotel data across Wyoming show the State's central and northwest river basins near median, though the rest of the State including the southwest, northeast and southeast basins are well below normal. The Tongue River watershed was the highest in the State this month, both at 109% of 30-year median. South Platte and the Belle Fourche River basins were the State's lowest percent of median having melted out completely at several sites, giving very low but statistically challenging percent of median readings.

Manual snow course data in this report were collected April 29th to May 1st. Snotel data is as reported, end-of-day, on April 30th. 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	12.1	11.9	***	***
Sawmill Divide Snow Course	9260'	56	16.1	14.3	113%	125%
Woodrock Snow Course	8440'	40	11.0	9.8	112%	164%
Bald Mountain Snotel	9380'	61	23.8	21.0	113%	163%
Big Goose Snotel	7990'	29	9.6	8.4	114%	148%
Bone Springs Snotel	9350'	56	19.6	17.6	111%	132%
Burgess Junction Snotel	7880'	40	13.2	12.1	109%	150%
Dome Lake Snotel	8880'	39	12.4	11.4	109%	131%
Sucker Creek Snotel	8880'	45	13.6	12.6	108%	137%
Tie Creek Snotel	6870'	13	4.2	2.6	162%	++
				Average:	117%	144%
Clear Creek Drainage						
Soldier Park Snow Course	8720'	***	***	4.8	***	***
Sourdough Snow Course	8460'	35	8.2	6.4	128%	104%
Cloud Peak Snotel	9860'	47	13.1	16.0	82%	99%
Hansen Sawmill Snotel	8360'	19	4.4	4.2	105%	157%
Powder River Pass Snotel	9480'	22	6.9	10.0	69%	147%
				Average:	96%	127%
		*** Not Measured; Inaccessible		++ Zero Snowpack Water; Melted Out		

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