



SHERIDAN COUNTY SNOWPACK REPORT
February 1, 2021

Snowpack snow-water content is below median, and below levels see this date a year ago, for this first 2021 Sheridan County Snowpack Report. Across the eastern Bighorns, snowpack water content was fairly consistent with a couple of extreme outliers on Monday, February 1st. Percent of 30-year median ranged from 59% of median to 109% of median, with most sites reporting percent of median values of 85-90%. Composite snow-water data from Snotel sites and manually collected snow-courses on the Tongue River drainage average below median, at 87%. The same composite snow-course and Snotel data indicate the Clear Creek drainage has somewhat lower average snow-water at 79% of median. The entire Powder River Basin, including Clear Creek, was similar based on Snotel site data at 78% of median. Compared with this time last year, both Clear Creek and Tongue River watersheds have lower snowpack water content, when they were 109% and 102%, respectively. Total Water Year to Date Precipitation measured at Snotel sites show the Powder River basin well below average, at 74%, while the Tongue River basin is near average at 96%.

On February 1st, Snotel data indicated all river basins across Wyoming were below median. The South Platte basins held the lowest percent of median snow-water in the State, at just 18% of median. The Madison River basin was the highest in the State, though still below median at 96%.

Manual snow course data presented in this report was collected January 27th to 29th. Snotel data in this report is as reported February 1st.

Snotel data collectors are permanent, remote sites that transmit real-time snow-water content and precipitation data via satellite link. Daily data from these sites, as well as other water supply-related reports and products can be accessed through the *Water* link under **Topics** on the Wyoming NRCS Homepage at www.wy.nrcs.usda.gov.

Site	Site Elevation	Observed Snow Depth (Inches)	Observed Snow Water Content (Inches)	30 year Median Water Content (Inches)	2021 Observed as % of Median	2021 Observed as % of Last Year
Tongue River Drainage						
North Tongue Snow Course	8450'	30	6.2	7.2	86%	89%
Sawmill Divide Snow Course	9260'	31	7.0	8.0	88%	92%
Woodrock Snow Course	8440'	21	4.4	5.4	81%	85%
Bald Mountain Snotel	9380'	40	9.7	10.8	90%	73%
Big Goose Snotel	7990'	19	4.3	4.9	88%	90%
Bone Springs Snotel	9350'	38	8.5	9.8	87%	80%
Burgess Junction Snotel	7880'	24	6.0	6.6	91%	97%
Dome Lake Snotel	8880'	31	6.2	6.8	91%	100%
Sucker Creek Snotel	8880'	33	7.6	7.0	109%	99%
Tie Creek Snotel	6870'	11	2.1	3.4	62%	55%
				Average:	87%	86%
Clear Creek Drainage						
Soldier Park Snow Course	8720'	***	***	2.8	***	***
Sourdough Snow Course	8460'	12	2.0	3.4	59%	56%
Cloud Peak Snotel	9860'	31	7.2	8.3	87%	92%
Hansen Sawmill Snotel	8360'	14	3.4	4.0	85%	79%
Powder River Pass Snotel	9480'	25	5.5	6.5	85%	66%
				Average:	79%	73%
*** Not Measured; Inaccessible						