



SHERIDAN COUNTY SNOWPACK REPORT
April 1, 2021

Snowpack snow-water content as of April 1 has continued to rise across the eastern Big Horns since the March Sheridan County Snowpack Report. Across the range Snowpack water content varied from 88% of the 30-year median to 151% of median, while most sites had percent of median values from 100-120%. Composite snow-water data from the Tongue River drainage – from Snotel sites and manually collected snow-courses – averaged just above median, at 102%. The same Clear Creek drainage composite snow-course and Snotel data showed higher average snow-water at 130% of median. The Powder River Basin as a whole, including the Clear Creek drainage, was a bit lower, though above median, at 116%, according to Snotel site data. Snowpack water content compared with this time last year was similar in the Tongue River watershed, at 98% of last year, while Clear Creek’s had a higher percent of last year value, at 116% of values compared with April 1, 2020. Both the Tongue and Powder River basins have increased Total Water Year to Date Precipitation percent of average measured at Snotel sites to 104% and 105%, respectively.

River basins across Wyoming were mixed according to Snotel data on April 1st. The Cheyenne River basin held the lowest percent of median snow-water in the State 72% of median. The Lower North Platte basin had the highest snow-water basin percent of median in the State this month at 117%.

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'	49	11.2	11.6	97%	108%
Sawmill Divide Snow Course	9260'	58	12.4	11.7	106%	100%
Woodrock Snow Course	8440'	39	8.4	9.1	92%	100%
Bald Mountain Snotel	9380'	59	16.4	18.6	88%	99%
Big Goose Snotel	7990'	36	9.4	8.7	108%	109%
Bone Springs Snotel	9350'	56	15.2	15.6	97%	92%
Burgess Junction Snotel	7880'	43	10.7	11.2	96%	99%
Dome Lake Snotel	8880'	53	13.0	11.4	114%	100%
Sucker Creek Snotel	8880'	52	13.7	11.4	120%	105%
Tie Creek Snotel	6870'	20	5.7	5.4	106%	72%
				Average:	102%	98%
Clear Creek Drainage						
Soldier Park Snow Course	8720'	33	6.4	4.6	139%	123%
Sourdough Snow Course	8460'	39	8.2	6.4	128%	117%
Cloud Peak Snotel	9860'	58	15.7	14	112%	114%
Hansen Sawmill Snotel	8360'	35	9.5	6.3	151%	130%
Powder River Pass Snotel	9480'	41	11.7	9.9	118%	98%
				Average:	130%	116%