



SHERIDAN COUNTY SNOWPACK REPORT
March 1, 2021

The March 1 Sheridan County Snowpack Report Snowpack shows snow-water content on the eastern Big Horns has risen to near median levels. Snowpack water content varied across the Big Horns, with lower elevation sites reporting generally lower readings. Percent of median ranged from 67% of the 30-year median to 113% of median, while most sites had percent of median values from 90-110%. Tongue River drainage composite snow-water data, from Snotel sites and manually collected snow-courses, average just below median, at 95%. The same composite snow-course and Snotel data in the Clear Creek drainage indicate similar average snow-water at 93% of median. As a whole, the Powder River Basin, including the Clear Creek drainage, was a bit higher at 99% of median according to Snotel site data. The Tongue River watershed has similar snowpack water content compared with this time last year, at 94% of last year, while Clear Creek’s percent of last year value is lower, at 73% of values for this date one year ago. Total Water Year to Date Precipitation in the Powder River basin has increased from last month, to 90% of average measured at Snotel sites in that basin. The same Total Water Year to Date Precipitation shows the Tongue River basin is just above average at 103%.

Snotel data from most river basins across Wyoming were near median on March 1st, with eastern Wyoming basins somewhat lower than those in the western half of the State. The South Platte River basin continues to hold the lowest percent of median snow-water in the State but has increased to 31% of median. The highest snow-water basin percent of median in the State this month was the Shoshone River at 111%.

Last weekend’s snow accumulation may slightly skew manual snow course data presented in this report, which was collected February 24th to 26th. Snotel data in this report is current March 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'	38	8.2	10.3	80%	80%
Sawmill Divide Snow Course	9260'	42	9.4	10.2	92%	84%
Woodrock Snow Course	8440'	28	6.0	7.8	77%	100%
Bald Mountain Snotel	9380'	55	13.8	14.7	94%	80%
Big Goose Snotel	7990'	28	6.2	6.2	100%	103%
Bone Springs Snotel	9350'	49	12.2	12.0	102%	79%
Burgess Junction Snotel	7880'	34	8.0	8.3	96%	108%
Dome Lake Snotel	8880'	43	9.6	8.7	110%	81%
Sucker Creek Snotel	8880'	43	10.1	8.9	113%	123%
Tie Creek Snotel	6870'	17	3.6	4.3	84%	106%
				Average:	95%	94%
Clear Creek Drainage						
Soldier Park Snow Course	8720'	19	3.2	4.4	73%	84%
Sourdough Snow Course	8460'	22	3.6	5.4	67%	58%
Cloud Peak Snotel	9860'	45	10.4	10.4	100%	83%
Hansen Sawmill Snotel	8360'	25	5.2	4.7	111%	79%
Powder River Pass Snotel	9480'	38	9.0	8.0	113%	64%
				Average:	93%	73%