



SHERIDAN COUNTY SNOWPACK REPORT

April 1, 2023

Bighorn Mountain snowpack snow-water conditions remain high for the April 1 edition of the Sheridan County Snowpack Report. April 1 observations increased from the March report at all eastern Bighorns sites. As has been the trend for 2023, most sites exceed their 30-year medians again this month with wide range, from 90% to 184% of median. Composite snow-water data for the Tongue River watershed, that is Snotel remote-site data combined with manually collected snow-course data, is similar to last month's report at 116%. The Clear Creek drainage is a bit higher at 121% of median composite snow-course and Snotel data this month. The entire Powder River basin including Clear Creek, averaged 115% of median based on Snotel site data.

Compared with last year, Tongue River watershed snowpack snow-water is higher in 2023, averaging 148% of 2022 snow-water equivalent values. The Clear Creek drainage also averages higher snow-water this year than this date one year ago, at 133% of the April 1st, 2022, average.

Total Water-Year-to-Date Precipitation at Snotel sites in both the Powder and Tongue River basins continue to be a bit above median, at 108% and 107% of median respectively.

Nearly all Wyoming river basins were above median as of April 1st, based on Snotel data. The South Platte River remains the lowest and the only basin below median in the State at 92% of median. Similarly, the Little Snake River is the highest in the State again this month at 156% of median.

Manual snow course data presented were collected March 28th to 31st for this report. Snotel data in this report is as reported end-of-day on February 31st. 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

Table with 7 columns: Site, Site Elevation, Observed Snow Depth (Inches), Observed Snow Water Content (Inches), 30 year Median Water Content (Inches), 2023 Observed as % of Median, 2023 Observed as % of Last Year. Rows include Tongue River Drainage (North Tongue Snow Course, Sawmill Divide Snow Course, Woodrock Snow Course, Bald Mountain Snotel, Big Goose Snotel, Bone Springs Snotel, Burgess Junction Snotel, Dome Lake Snotel, Sucker Creek Snotel, Tie Creek Snotel) and Clear Creek Drainage (Soldier Park Snow Course, Sourdough Snow Course, Cloud Peak Snotel, Hansen Sawmill Snotel, Powder River Pass Snotel).