



SHERIDAN COUNTY SNOWPACK REPORT
May 1, 2023

Snow-water conditions in Bighorn Mountain snowpack remain above median on May 1st. May 1 is usually the final report of the season for the Sheridan County Snowpack Report but depending on conditions we may report in June if snowpack conditions warrant.

Tongue River watershed snowpack snow-water is higher in 2023 than a year prior, averaging 122% of 2022 snow-water equivalent values. The Clear Creek drainage, though, is very similar in snow-water this year in comparison to one year ago, at 99% of May 1st, 2022, values.

Interestingly, Snotel sites Total Water-Year-to-Date Precipitation in both the Tongue and Powder River basins have fallen a bit below median this month, at 94% and 98% of median respectively.

All Wyoming river basins but the South Platte River were above median as of May 1st, according to Snotel data. The South Platte River basin dropped to just 14% of median this month and the lowest in the State.

Manual snow course data presented were collected April 26th to 28th for this report. Snotel data in this report is as reported end-of-day on April 30th. Snotel data collectors are permanent, remote sites that transmit real-time snow-water content and precipitation data via satellite link.

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).