



SHERIDAN COUNTY SNOWPACK REPORT

March 1, 2023

The Sheridan County Snowpack Report for March 1, 2023 show snow-water conditions remain above median in Bighorn Mountain snowpack. It is likely no surprise that 2023 snowpack snow-water values are higher than this time one year ago. Current observations on Wednesday, March 1st, were similar to last month across the eastern Bighorns in terms of percent-of-median values. Most sites continue to exceed 30-year medians, though values range a bit more narrowly than last month, from 90% to 180% of median. Tongue River watershed composite snow-water data, Snotel remote-site data combined with manually collected snow-course data, was a bit higher than the February report for the entire basin, at 117%. Composite snow-course and Snotel data for the entire Clear Creek drainage is a bit lower but still above median at 109% of median. Powder River basin Snotel site data, including Clear Creek, averaged 117% of median, somewhat higher than the Clear Creek watershed alone.

March 1st Tongue River watershed snowpack snow-water is higher this year than last; 2023 data are 132% of 2022 values. Clear Creek watershed snow-water is also higher than this date last year, at 120% of values on March 1st, 2022.

The Powder and Tongue River basins Total Water-Year-to-Date Precipitation at Snotel sites remain somewhat above median, at 113% and 109% of median respectively.

Wyoming river basins on March 1st were nearly all above median according to State-wide Snotel data. The South Platte River was the only basin substantially below median in the State, and remained the lowest, reporting 78% of median this month. The Little Snake River drainage, along the Colorado border, was highest in the State this month at 147% of median.

Manual snow course data presented were collected February 27th to March 1st for this report. Snotel data in this report is as reported end-of-day on February 28th. 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).