



SHERIDAN COUNTY SNOWPACK REPORT
March 1, 2024

The Sheridan County Snowpack Report for March 1st continues to show snow-water content below median on the eastern slope of the Bighorn Mountains. Snowpack water content improved since last month's report as percent of median, but wide variability continued with March 1st observations. Individual site values ranged from 36% to 85% of 30-year median, compared to 18% to 82% last month. Tongue River watershed composite snow-water data (Snotel remote-site data combined with manually collected snow-course data) indicate 61% of median overall. The Clear Creek drainage is a bit better, with average basin-wide snow-water at 69% of median. The Powder River watershed, including Clear Creek, averaged a bit lower at 62% of median based on Snotel site data, indicating less snowpack water in the southern portion of the basin.

The trend continued this month with Tongue River and Clear Creek watershed snowpack snow-water significantly lower this year than this time in 2023. Clear Creek is 65% of one year ago, while Tongue River is 61% of March 1, 2023.

Similar to a month ago, Total Water-Year-to-Date Precipitation at Snotel sites in both the Powder and Tongue River basins remained much closer to median than the snowpack water content suggests, with both basins at 94% of 30-year data. So, while it has not stayed as snowpack, both basins have received near 'normal' precipitation since the beginning of the 'water year' on October 1st.

The month of February improved snowpack water content in the western half of the State but without much improvement for northeast Wyoming. Again this month, the Bear River basin leads the State as the highest basin in the state at 117% of 30-year median. Similarly, while it improved over the month, the South Platte River basin remains the lowest percent of median snow-water in the State at 47% of median.

Manual snow course data in this report were collected between February 28th and March 1st. Snotel data is as reported, end-of-day, on February 29th. Remember, Snotel data collectors are permanent, remote sites collecting and transmitting real-time snow-water content and precipitation data via satellite link across the West. Daily data from these sites, as well as other water supply-related reports and products can be accessed through the Wyoming Snow Survey and Water Supply link on the Wyoming NRCS Homepage at https://www.nrcs.usda.gov/conservation-basics/conservation-by-state/wyoming.

Table with 7 columns: Site, Site Elevation, Observed Snow Depth (Inches), Observed Snow Water Content (Inches), 30 year Median Water Content (Inches), 2024 Observed as % of Median, 2024 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).

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