



SHERIDAN COUNTY SNOWPACK REPORT

April 1, 2022

April 1st snowpack snow-water content remained below median in the Bighorn Mountains. Percent-of-median values at most sites reported of 80-95%, while values ranged from 52% to 106% of median. In the month of March, all sites except one gained snow-water content, with the losing site being a relatively low elevation site sitting at roughly 7000 ft elevation. Tongue River drainage composite snow-water data – Snotel site data combined with manually collected snow-course data – averaged 84% of median, slightly lower than on March 1. Basin-wide composite snow-course and Snotel data in the Clear Creek watershed averaged 90% of median; a notch higher than last month. As a whole, the Powder River basin including Clear Creek, averaged lower, based on Snotel site data, at 77% of median, similar to March 1st.

Snowpack snow-water in the Tongue River drainage was lower than one year ago on a basin-wide average, at 81% of 2021 levels. The trend was stronger for the Clear Creek watershed where snow-water data averaged 72% of 2021.

Total Water Year to Date at Powder River basin Snotel site indicates precipitation as of April 1, 2022, at 94% of average, while Tongue River basin precipitation was marginally higher at 98% of average.

Data from Snotel sites across all Wyoming river basins on April 1st showed all basins remain below median with many below 80% of median. The lowest percent of median basin in the State this month was the Cheyenne River at just 38% of median on April 1. The Laramie River basin remained the highest in the State at 94% of median.

Manual snow course data presented in this report were collected March 28th – 31st. Snotel data in this report is as reported April 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.

Table with 7 columns: Site, Site Elevation, Observed Snow Depth (Inches), Observed Snow Water Content (Inches), 30 year Median Water Content (Inches), 2022 Observed as % of Median, 2022 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).