

Report #14

Wyoming – NRCS Weekly Snow Report

Mar 18, 2024

Good day to all. This is the 14th Snow Report for Water Year 2024 (2023-2024 snow season). Currently the state's SNOTELs are reading 99% of median with a basin high of 122% and a basin low of 55%. Last year the state was at 121%, and at 86% in 2022. The map may differ slightly from the table depending upon how many stations were reporting at the time. This report and a map displaying basin SWE percentages of median for the state may be found at: <http://www.wrds.uwyo.edu/wrds/nrcs/nrcs.html>.

For information on the use of median vs. average go to http://www.wcc.nrcs.usda.gov/normals/median_average.htm

SNOW WATER EQUIVALENT AS PERCENT OF MEDIAN. The following table shows the percent of median for today, the 2 previous weeks, one year ago, and two years ago for Wyoming basins. Normal (median) is based on all reporting SNOTEL sites in the basin with calculated medians (newer SNOTEL sites do not have medians figured), but does not include manually measured snow courses. The statewide SNOTEL percent of median is calculated by averaging medians for all stations associated with Wyoming basins. The weighted state average is figured using the area of basins (square miles). The reference period for computing medians is the 30-year period 1991 through 2020.

Basin	3/18/2024	3/11/2024	3/4/2024	3/18/2023	3/18/2022
Snake	99	102	99	110	78
Madison	87	89	87	127	74
Yellowstone	81	82	79	107	84
Wind	110	104	106	117	94
Bighorn	89	84	83	104	87
Shoshone	92	95	93	101	83
Powder	68	62	62	113	84
Tongue	76	70	68	113	90
Belle Fourche	55	55	59	131	69
Cheyenne	55	58	60	120	67
Upper North Platte	107	101	100	128	94
Sweetwater	105	97	98	141	81
Lower North Platte	84	68	71	121	88
Laramie	110	94	90	119	102
South Platte	73	52	47	74	80
Little Snake	117	110	111	155	92
Upper Green	91	93	91	106	79
Lower Green	118	112	112	137	89
Upper Bear	122	122	117	144	86
Statewide SNOTEL Percent of Median	99	97	95	121	86
Weighted State Average (Area)	91	86	85	119	85

Minimum	55	52	47	74	67
Maximum	122	122	117	155	102

red = down blue = up green = same * Basin SWE values, close to dates of first measurable snowfall and melt-out, can be irregular or erratic

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