

Report #2

Wyoming – NRCS Weekly Snow Report

Dec 25, 2023

Good day to all. This is the 2nd Snow Report for Water Year 2024 (2023-2024 snow season). Currently the state's SNOTELs are reading 70% of median with a basin high of 88% and a basin low of 15%. Last year the state was at 112%, and at 88% in 2021. 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 a percent of median using all SNOTEL sites in Wyoming with calculated medians. The weighted state average is figured using the area of basins (square miles). The reference period for computing medians is the 30-year period 1981 through 2010.

Basin	12/25/2023	12/18/2023	12/11/2023	12/25/2022	12/25/2021
Snake	71	78	91	113	88
Madison	63	68	82	136	99
Yellowstone	68	77	85	111	88
Wind	88	90	101	114	93
Bighorn	84	85	94	101	84
Shoshone	85	92	102	99	76
Powder	53	58	65	123	84
Tongue	66	74	82	108	87
Belle Fourche	35	41	38	133	57
Cheyenne	39	46	40	128	63
Upper North Platte	69	73	81	101	95
Sweetwater	82	83	97	147	83
Lower North Platte	37	39	42	83	54
Laramie	57	61	69	89	82
South Platte	15	19	22	50	9
Little Snake	78	81	91	118	98
Upper Green	60	67	78	103	85
Lower Green	65	80	96	135	91
Upper Bear	75	89	111	128	89
Statewide SNOTEL Percent of Median	70	79	86	112	88
Weighted State Average (Area)	62	68	76	111	80

Minimum

15

19

22

50

9

Maximum

88

92

111

147

99

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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Snow Water Equivalent

Wyoming Basins

December 25, 2023, first of day

Percent NRCS 1991-2020 Median

