

Report #13

Wyoming – NRCS Weekly Snow Report

March 6, 2023

Good day to all. This is the 13th Snow Report for Water Year 2023 (2022-2023 snow season). Currently the state's SNOTELs are reading 116% of median with a basin high of 149% and a basin low of 78%. Last year the state was at 85%, and at 91% 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: <https://www.nrcs.usda.gov/wps/portal/wcc/home/snowClimateMonitoring/30YearNormals>

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 1991 through 2020.

Basin	3/6/2023	2/27/2023	2/20/2023	3/6/2022	3/6/2021
Snake	107	104	97	77	97
Madison	122	118	113	78	87
Yellowstone	102	102	92	82	101
Wind	112	112	108	91	76
Bighorn	105	109	104	82	87
Shoshone	99	100	91	81	98
Powder	114	118	107	76	88
Tongue	115	118	109	87	98
Belle Fourche	132	109	110	69	74
Cheyenne	121	109	103	68	74
Upper North Platte	128	124	121	91	93
Sweetwater	132	123	123	77	69
Lower North Platte	127	134	122	83	73
Laramie	123	119	112	97	90
South Platte	78	78	74	75	35
Little Snake	149	145	137	86	95
Upper Green	101	98	94	77	92
Lower Green	131	126	122	86	90
Upper Bear	135	127	119	80	84
Statewide SNOTEL Percent of Median	116	112	107	85	91
Weighted State Average (Area)	117	115	109	82	85

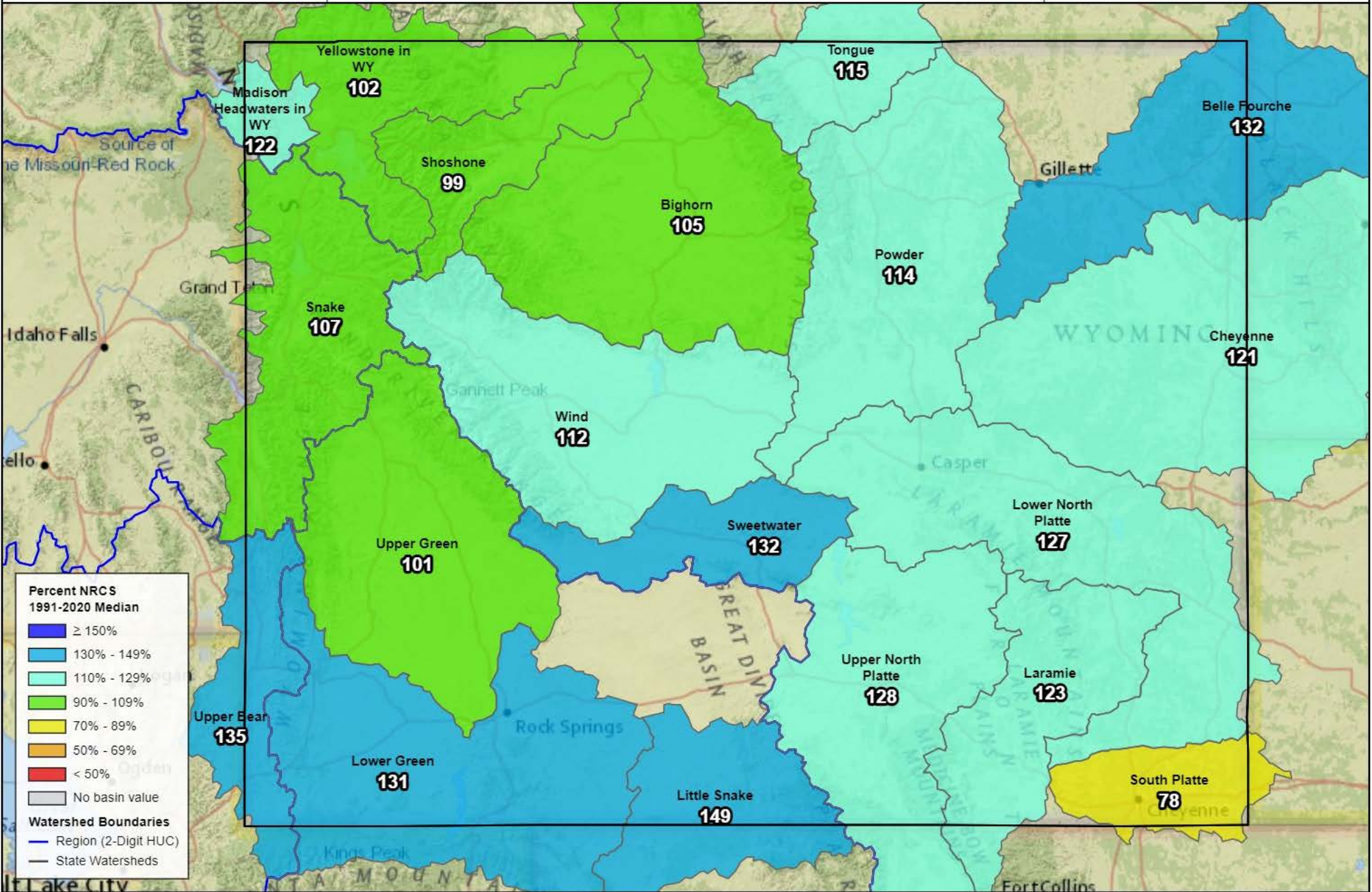
Minimum	78	78	74	68	35
Maximum	149	145	137	97	101

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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Percent NRCS 1991-2020 Median

- ≥ 150%
- 130% - 149%
- 110% - 129%
- 90% - 109%
- 70% - 89%
- 50% - 69%
- < 50%
- No basin value

Watershed Boundaries

- Region (2-Digit HUC)
- State Watersheds

