

Wyoming – NRCS

Report #18

Weekly Snowpack/SWE Report

April 12, 2022

Good day to all. This is the 18th snowpack/SWE report for water year 2022 (2021-2022 snow season). Currently, Wyoming's snowpack/SWE is **78%** of median with a basin high of **95%** (Laramie) and a basin low of **51%** (Cheyenne). Last year (2021), the state SWE was at **86%** of median, and at **110%** in 2020. This report and a map displaying basin SWE percentages of median for the state is also found at: <http://www.wrds.uwyo.edu/wrds/nrcs/nrcs.html>.

The following table shows the percent of median for today, the 2 previous weeks, one year ago, and two years ago for Wyoming basins. The statewide SNOTEL percent of median/average is a percent of median/average using all SNOTEL sites in Wyoming with calculated medians/averages. Calculated medians/averages do not include manually measured snow courses. The weighted state average is figured using the area of basins (square miles). The reference period for computing medians/averages is the 30-year period 1991 through 2020. The map may differ slightly from the table depending upon how many stations were reporting at the time.

For information about the 1991-2020 Median/Averages—including calculation methods, differences between previous medians/averages, and the use of median vs. average—please refer to: <https://www.nrcs.usda.gov/wps/portal/wcc/home/snowClimateMonitoring/30YearNormals/>

SNOW WATER EQUIVALENTS AS PERCENT OF MEDIAN

Basin	4/12/2022	4/5/2022	3/29/2022	4/12/2021	4/12/2020
Snake	76	71	73	80	113
Madison	67	70	68	83	100
Yellowstone	81	80	79	92	114
Wind	86	85	85	84	103
Bighorn	83	78	80	93	108
Shoshone	77	76	75	83	112
Powder	86	76	78	112	113
Tongue	91	84	84	106	110
Belle Fourche	61	39	37	47	116
Cheyenne	51	34	34	44	89
Upper North Platte	84	85	86	86	105
Sweetwater	73	72	69	74	86
Lower North Platte	92	88	80	109	118
Laramie	95	90	92	100	111
South Platte	76	68	79	84	124
Little Snake	81	80	82	85	106
Upper Green	75	71	73	73	103
Lower Green	76	76	75	85	114
Upper Bear	76	73	73	69	106
Statewide SNOTEL Percent of Median	78	74	75	86	110
Statewide SNOTEL Percent of Average	77	72	73	84	107
Weighted State <u>Average</u> (Area)	79	74	74	86	108
Max	95	90	92	112	124
Min	51	34	34	44	86

red = decrease blue = increase green = same * = data is suspect

For more info contact:

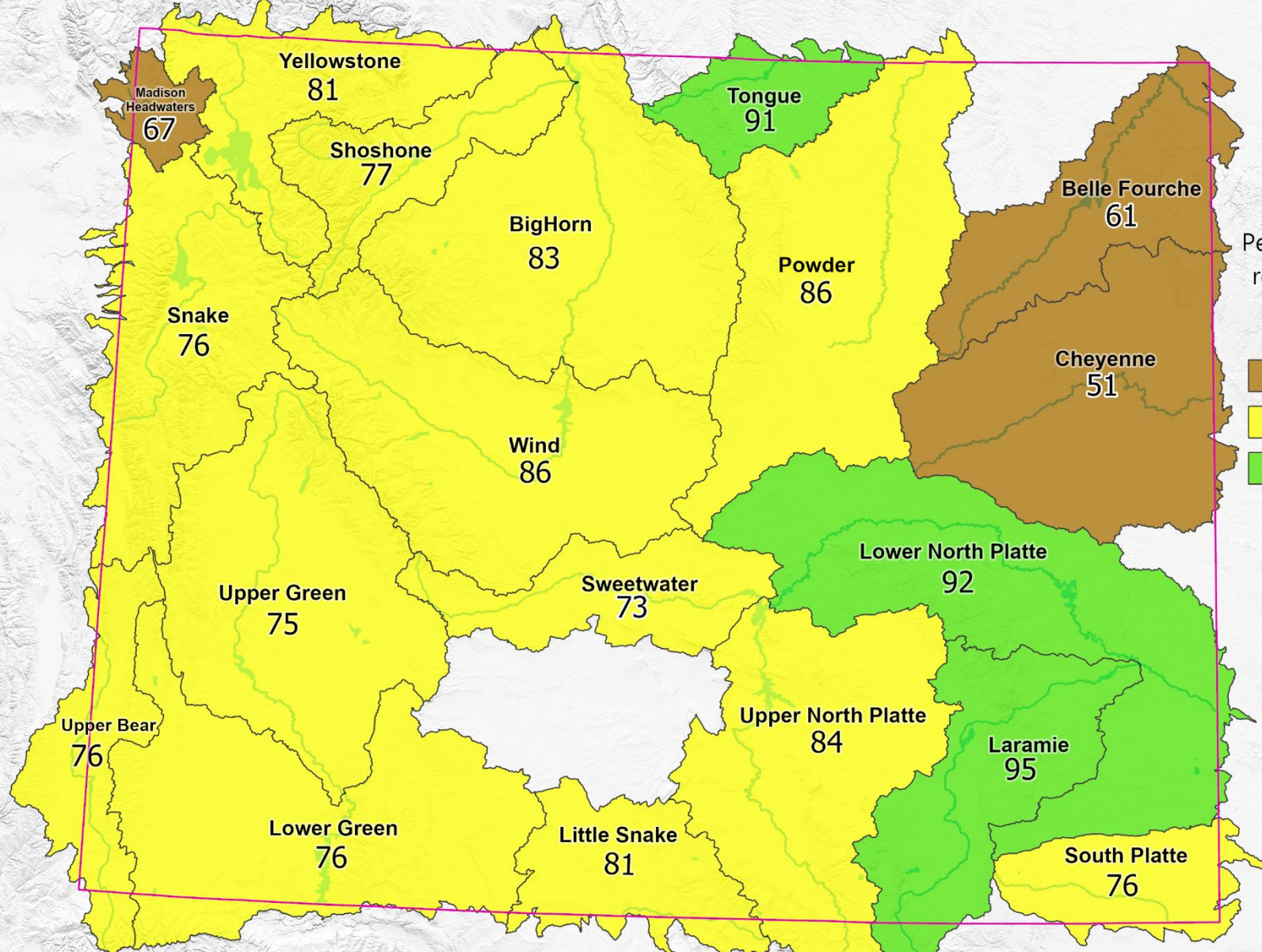
Jim Fahey
james.fahey@usda.gov
 (307) 233-6787



NRCS Snow Survey
 100 East B St., Room 3001
 Casper, WY 82601

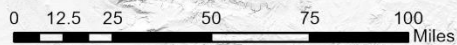
Wyoming Basin Snow Water Equivalents (SWEs) % of Median

4/12/2022



Percent of median reference period: 1991-2020

- 50 - 69%
- 70 - 89%
- 90 - 109%



USGS The National Map: 3D Elevation Program. USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed March, 2021.

The snow water equivalent percent of median represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the median value for those sites on this day. Data is based on the first reading of the day.
Provisional data, subject to revision.

Prepared By:
USDA NRCS
Wyoming State Office
Snow Survey