

Wyoming – NRCS

Report #24 Weekly Snowpack/SWE Report May 24, 2022

Good day to all. This is the 24th and **LAST** snowpack/SWE report for water year 2022 (2021-2022 snow season). Currently, Wyoming's snowpack/SWE is **74%** of median with a basin high of **140%** (Tongue) and a basin low of **49%** (Upper Bear). Last year (2021), the state SWE was at **46%** of median, and at **51%** 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	5/24/2022	5/17/2022	5/10/2022	5/24/2021	5/24/2020
Snake	94	105	93	48	100
Madison	95	96	83	41	86
Yellowstone	111	108	95	69	113
Wind	114	116	116	81	40
Bighorn	111	106	98	76	76
Shoshone	101	109	90	56	93
Powder	106	106	111	63	47
Tongue	140	117	112	129	65
Belle Fourche	*	*	*	*	*
Cheyenne	*	*	*	*	*
Upper North Platte	80	79	93	69	77
Sweetwater	92	88	103	71	1
Lower North Platte	78	108	97	29	17
Laramie	59	65	95	93	67
South Platte	*	*	*	*	*
Little Snake	71	69	90	52	69
Upper Green	95	96	93	49	81
Lower Green	61	74	72	40	45
Upper Bear	49	71	80	26	51
Statewide SNOTEL Percent of Median	74	74	83	46	51
Statewide SNOTEL Percent of Average	71	68	77	41	49
Weighted State <u>Average</u> (Area)	79	83	83	52	51
Max	140	117	116	129	113
Min	49	65	72	26	1

red = decrease blue = increase green = same * = melted out

For more info contact:

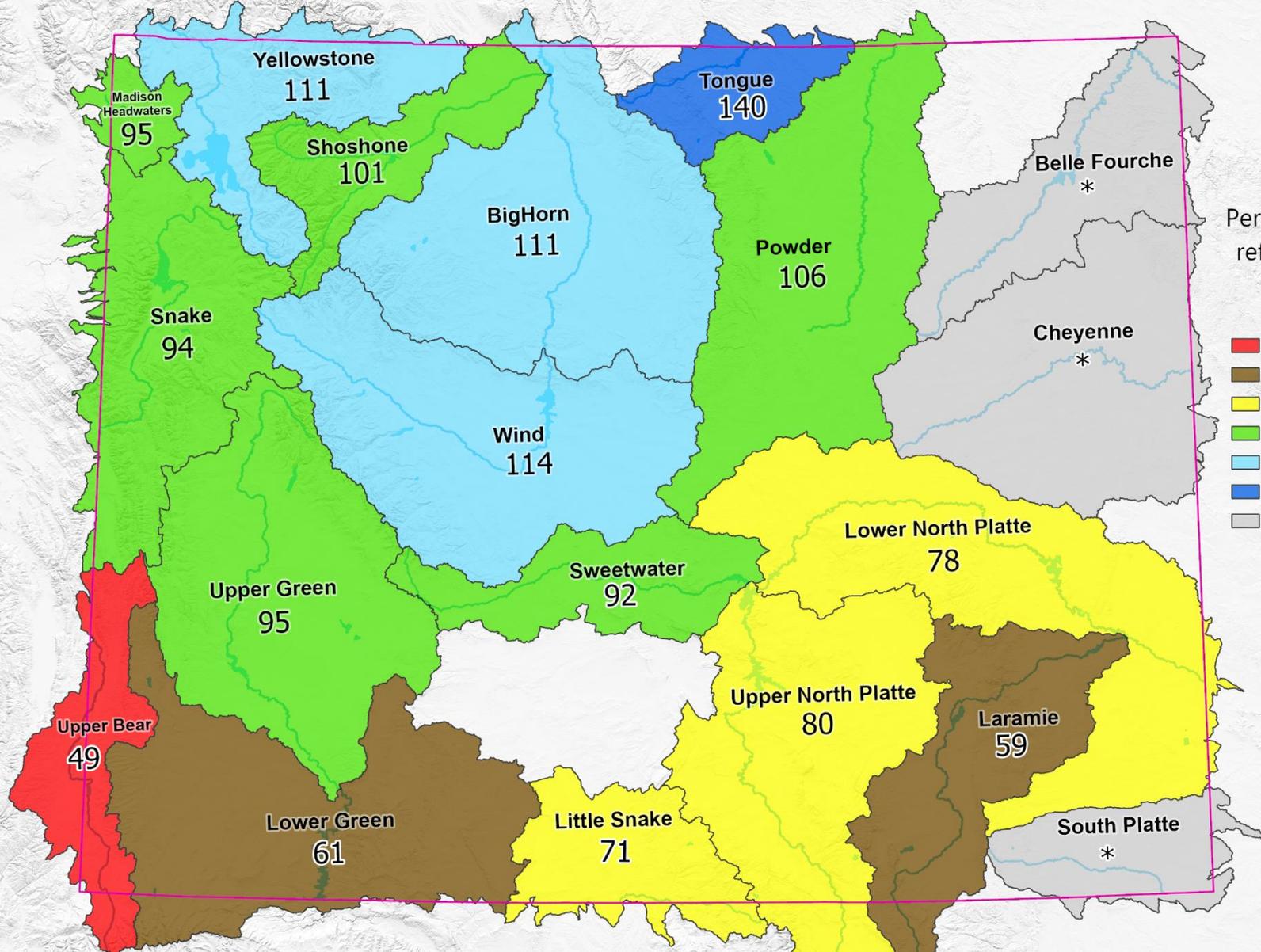
Jim Fahey
james.fahey@usda.gov
 (307) 233-6787



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

Wyoming Basin Snow Water Equivalents (SWEs) % of Median

5/24/2022



Percent of median reference period: 1991-2020

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- *

* = Melted Out



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

