

# Report #23

# Wyoming – NRCS Weekly Snow Report

May 20, 2024

Good day to all. This is the 23<sup>rd</sup> and last Snow Report for Water Year 2024 (2023-2024 snow season). Currently the state's SNOTELs are reading 100% of median with a basin high of 159% and a basin low of 77%. Last year the state was at 101%, 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](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	5/20/2024	5/13/2024	5/6/2024	5/20/2023	5/20/2022
Snake	88	97	94	99	95
Madison	78	80	81	137	93
Yellowstone	77	82	79	85	109
Wind	121	123	108	98	109
Bighorn	115	113	98	50	101
Shoshone	83	91	89	64	103
Powder	106	100	64	48	105
Tongue	113	104	77	49	120
Belle Fourche	*	*	*	*	*
Cheyenne	*	*	*	*	*
Upper North Platte	110	113	100	104	70
Sweetwater	149	131	118	159	85
Lower North Platte	159	169	55	59	110
Laramie	110	131	106	73	46
South Platte	*	*	*	*	*
Little Snake	113	117	103	127	64
Upper Green	91	98	91	98	97
Lower Green	106	125	95	140	65
Upper Bear	114	129	106	180	57
Statewide SNOTEL Percent of Median	100	106	93	101	86
Weighted State Average (Area)	97	101	77	77	79

Minimum	77	80	55	48	46
Maximum	159	169	118	180	120

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

For more info contact:

Jeff Coyle  
[Jeffrey.Coyle@usda.gov](mailto:Jeffrey.Coyle@usda.gov)  
(307) 233-6787

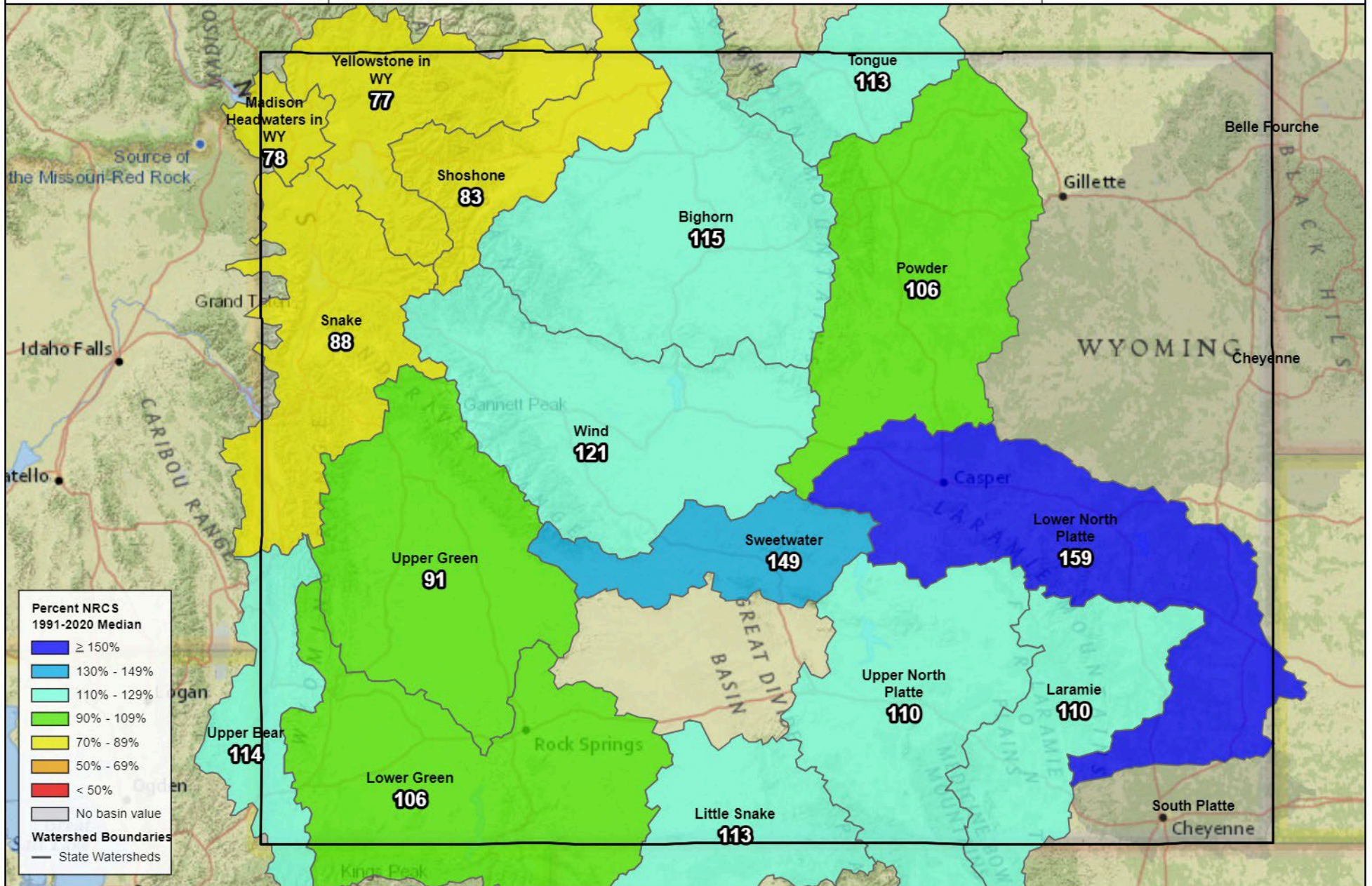
NRCS Snow Survey  
100 East B St., Room 3124  
Casper, WY 82601

Snow Water Equivalent

# Wyoming Basins

May 20, 2024, first of day

Percent NRCS 1991-2020 Median



**Percent NRCS 1991-2020 Median**

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

**Watershed Boundaries**

- State Watersheds

