

Wyoming – NRCS

Report #5

Weekly Snowpack/SWE Report

January 11, 2022

Good day to all. This is the 5th snowpack/SWE report for water year 2022 (2021-2022 snow season). Currently, Wyoming's snowpack/SWE is **104%** of median with a basin high of **136%** (Upper Bear) and a basin low of **53%** (Belle Fourche). Last year the state was at **76%**, and at **108%** in 2020. 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>.

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	01/11/2022	01/04/2022	12/28/2021	01/11/2021	01/11/2020
Snake	122	102	98	89	98
Madison	114	115	111	78	84
Yellowstone	107	96	96	97	101
Wind	122	105	105	71	98
Bighorn	91	86	87	71	121
Shoshone	106	89	85	88	101
Powder	87	83	86	70	118
Tongue	89	87	86	86	109
Belle Fourche	53	55	55	58	102
Cheyenne	56	59	60	65	103
Upper North Platte	129	115	106	78	114
Sweetwater	110	98	90	74	77
Lower North Platte	68	58	56	54	149
Laramie	121	108	98	68	121
South Platte	62	51	31	14	114
Little Snake	128	118	111	83	128
Upper Green	121	97	94	80	94
Lower Green	130	114	108	85	128
Upper Bear	136	121	107	78	113
Statewide SNOTEL Percent of Median	104	91	88	76	108
Statewide SNOTEL Percent of Average	99	87	84	72	103
Weighted State <u>Average</u> (Area)	101	90	87	73	113
Max	136	121	111	97	149
Min	53	51	31	14	77

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

For more info contact:

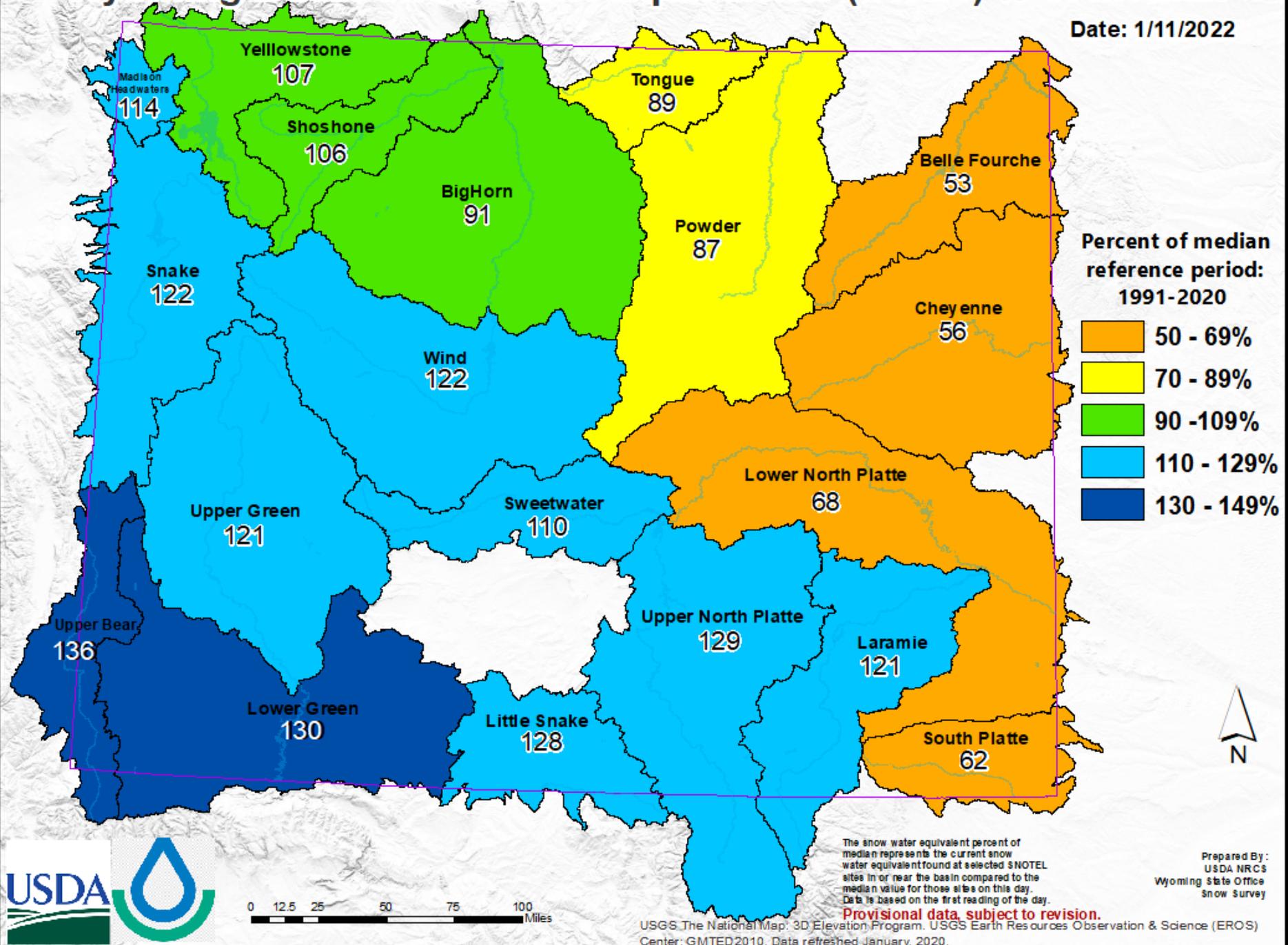
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Wyoming Basin Snow Water Equivalents (SWEs) % of Median

Date: 1/11/2022



Percent of median reference period: 1991-2020

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



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
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Snow Survey

USGS The National Map: 3D Elevation Program. USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.