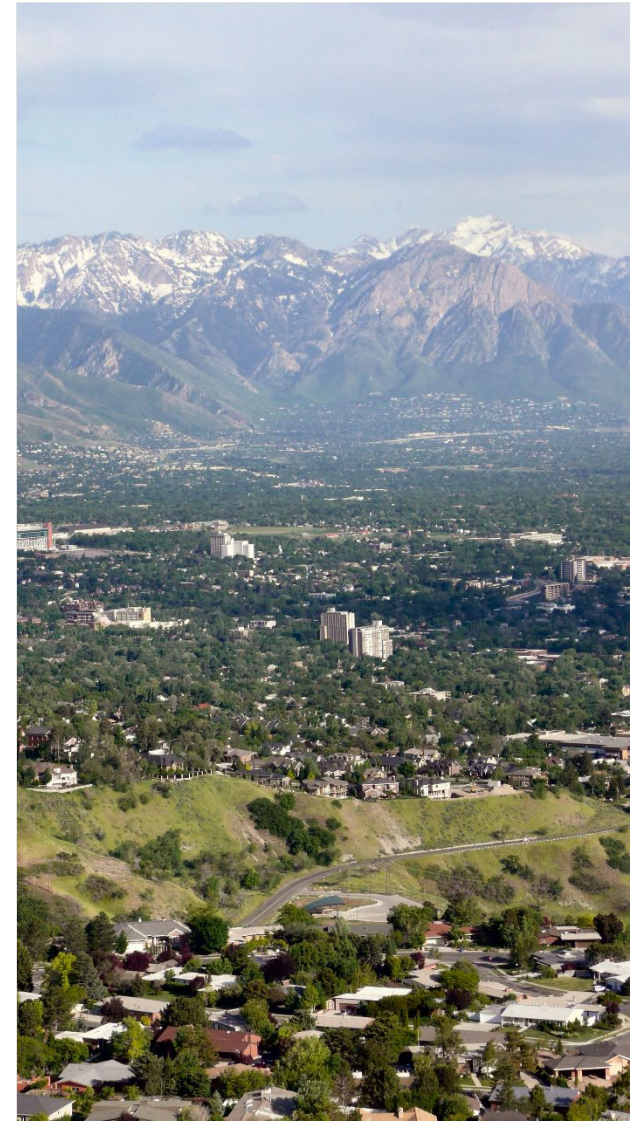


2023 Snowpack Update

Released March 20, 2023

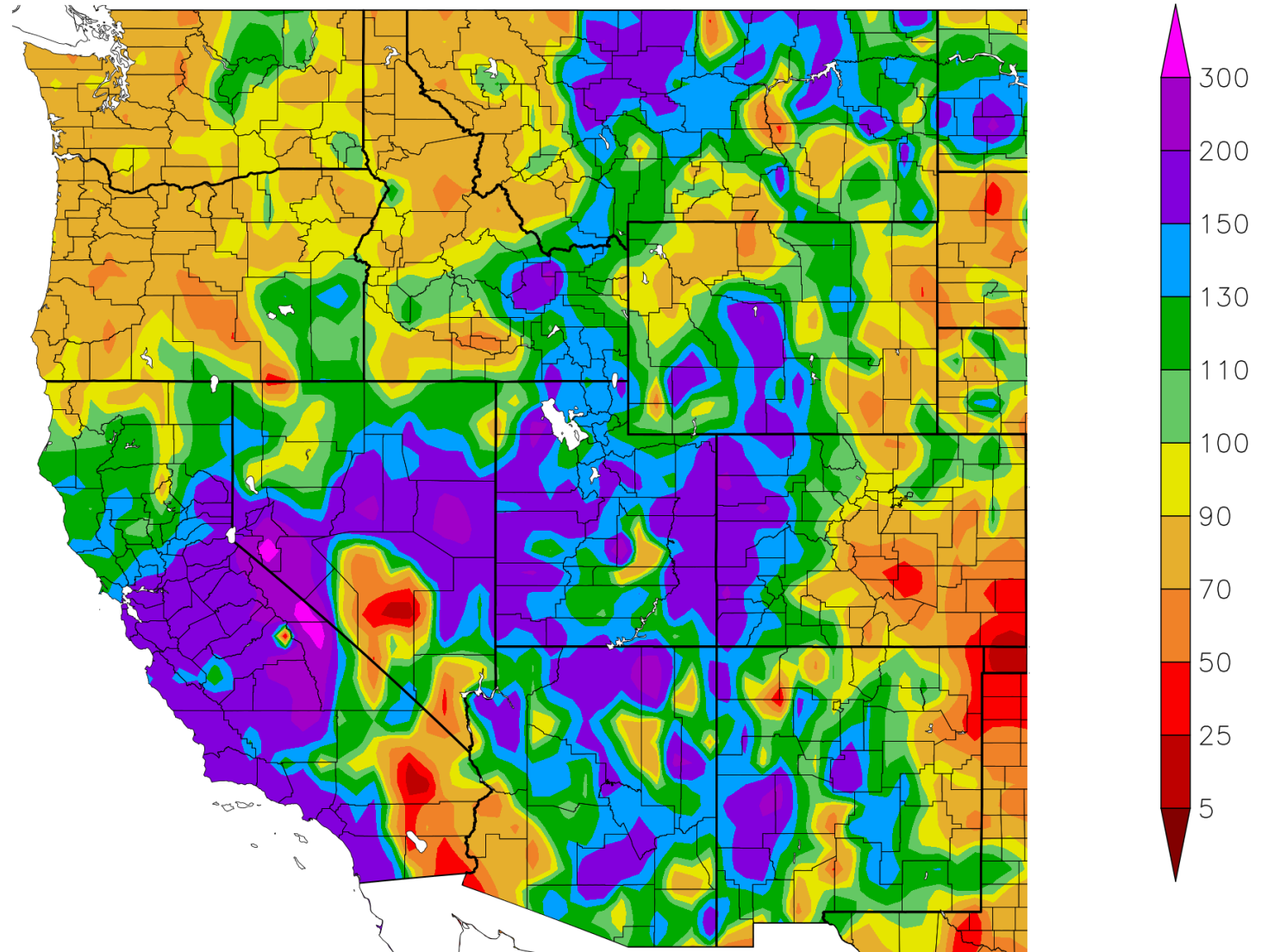
Presented by

Salt Lake County
Flood Control Engineering
& Watershed Planning
and Restoration Program



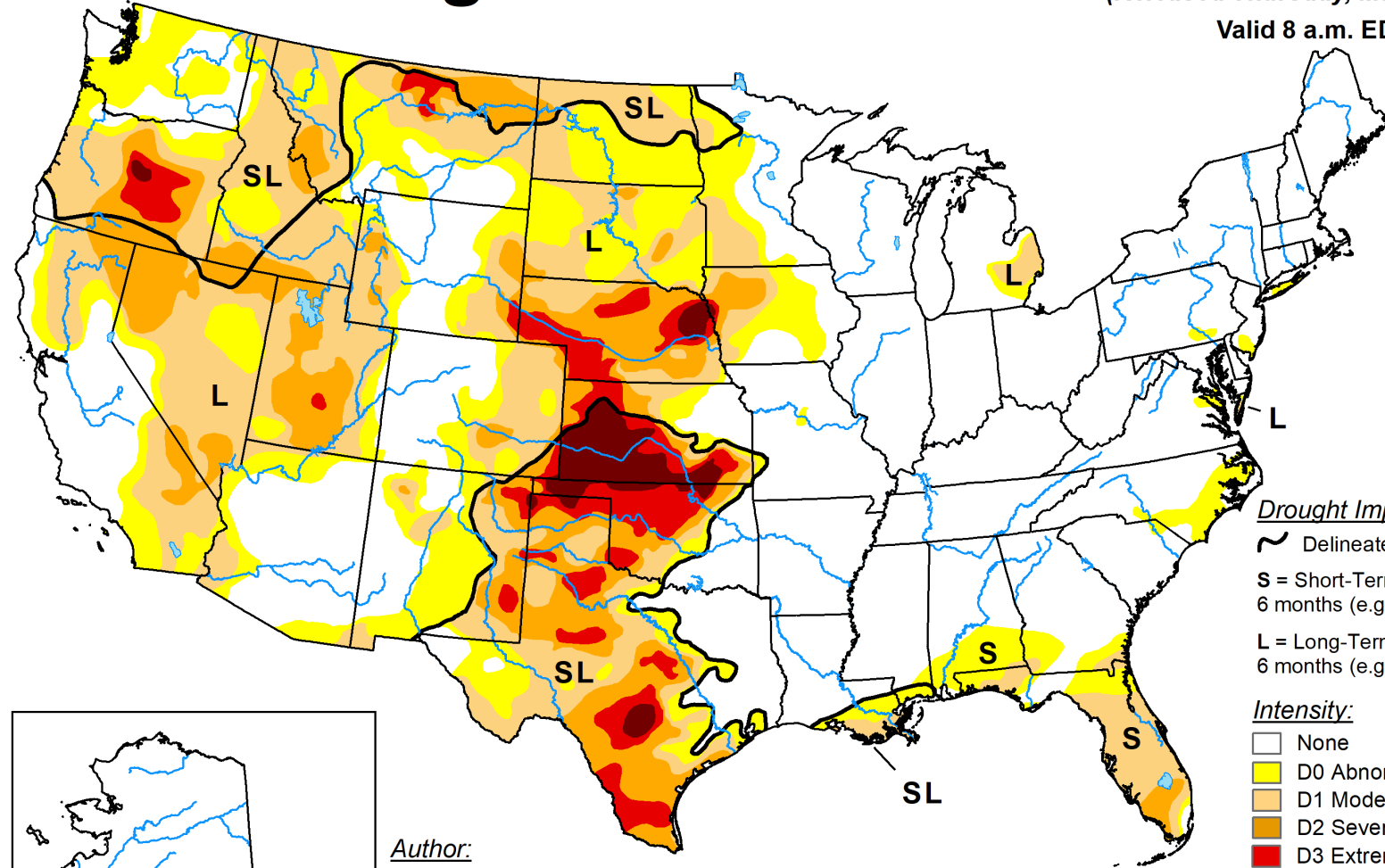
Percent of Normal Precipitation (%) 10/1/2022 – 3/19/2023

Western United States: Precipitation WY



U.S. Drought Monitor

March 14, 2023
(Released Thursday, Mar. 16, 2023)
Valid 8 a.m. EDT



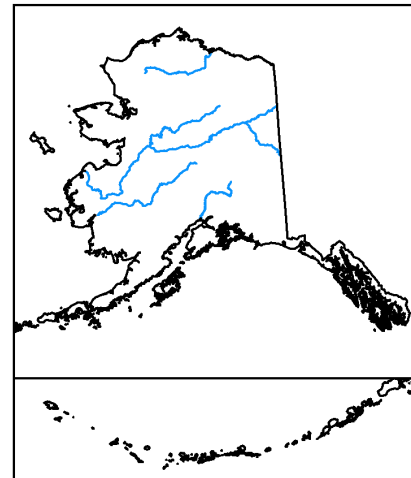
Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

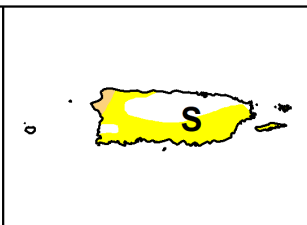
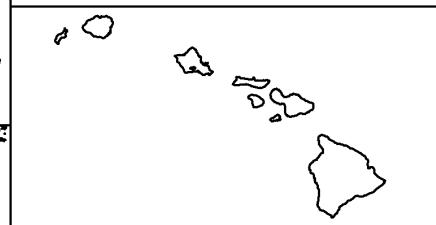
Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

Western
United
States:
Drought
Monitor



Author:
Brad Rippey
U.S. Department of Agriculture



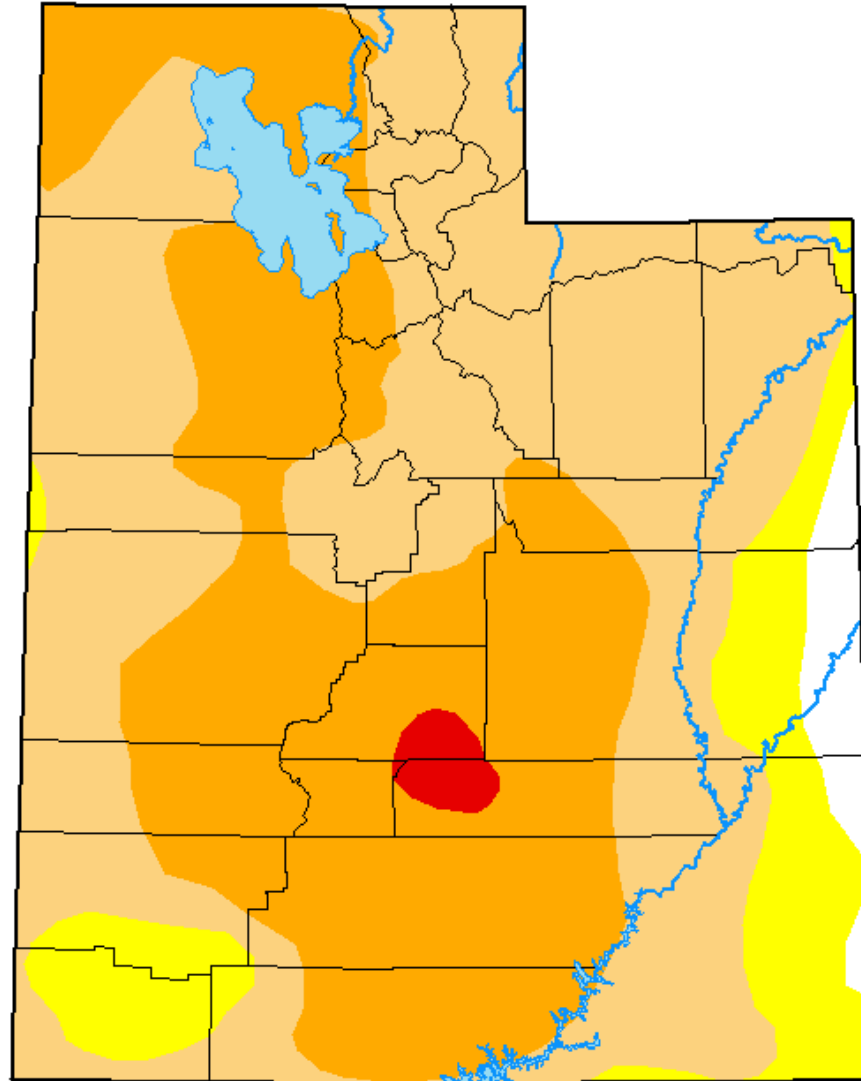
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



droughtmonitor.unl.edu

Utah: Drought Monitor

U.S. Drought Monitor Utah



March 14, 2023
(Released Thursday, Mar. 16, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	2.65	97.35	87.13	38.93	0.98	0.00
Last Week 03-07-2023	2.65	97.35	87.30	39.33	1.96	0.00
3 Months Ago 12-13-2022	0.00	100.00	99.10	89.61	31.11	1.91
Start of Calendar Year 01-03-2023	0.77	99.23	96.89	86.75	27.59	1.91
Start of Water Year 09-27-2022	0.00	100.00	100.00	95.73	56.39	3.63
One Year Ago 03-15-2022	0.00	100.00	100.00	96.93	33.34	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Rippey
U.S. Department of Agriculture

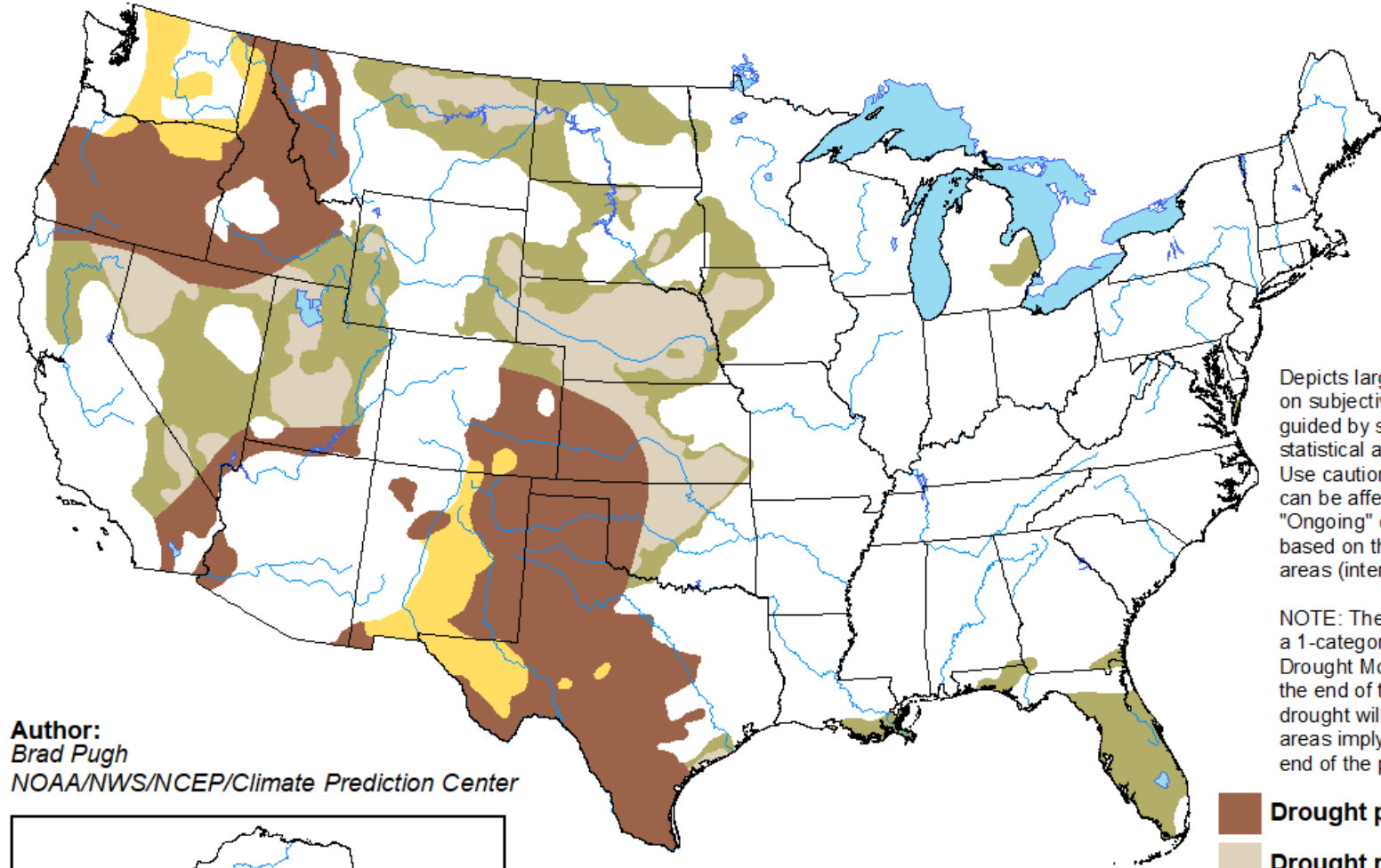


droughtmonitor.unl.edu

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

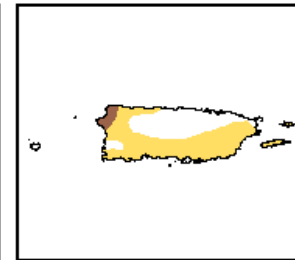
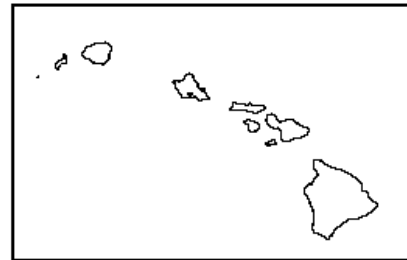
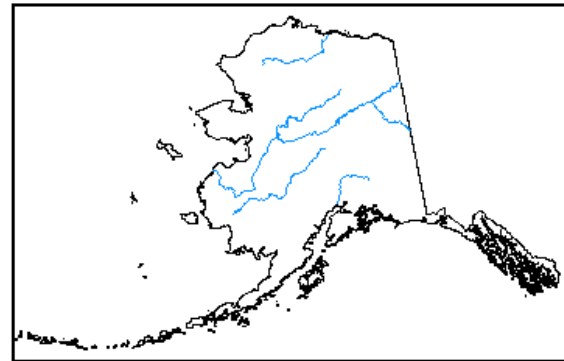
Valid for March 16 - June 30, 2023
Released March 16







Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center



-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZ73>

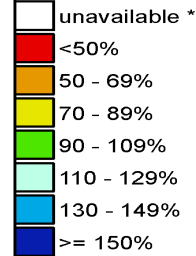
Western
United
States:
Drought
Forecast

Western United States: SWE

Westwide SNOTEL Current Snow Water Equivalent (SWE) % of Normal

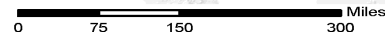
Mar 13, 2023

Current Snow Water Equivalent (SWE) Basin-wide Percent of 1991-2020 Median



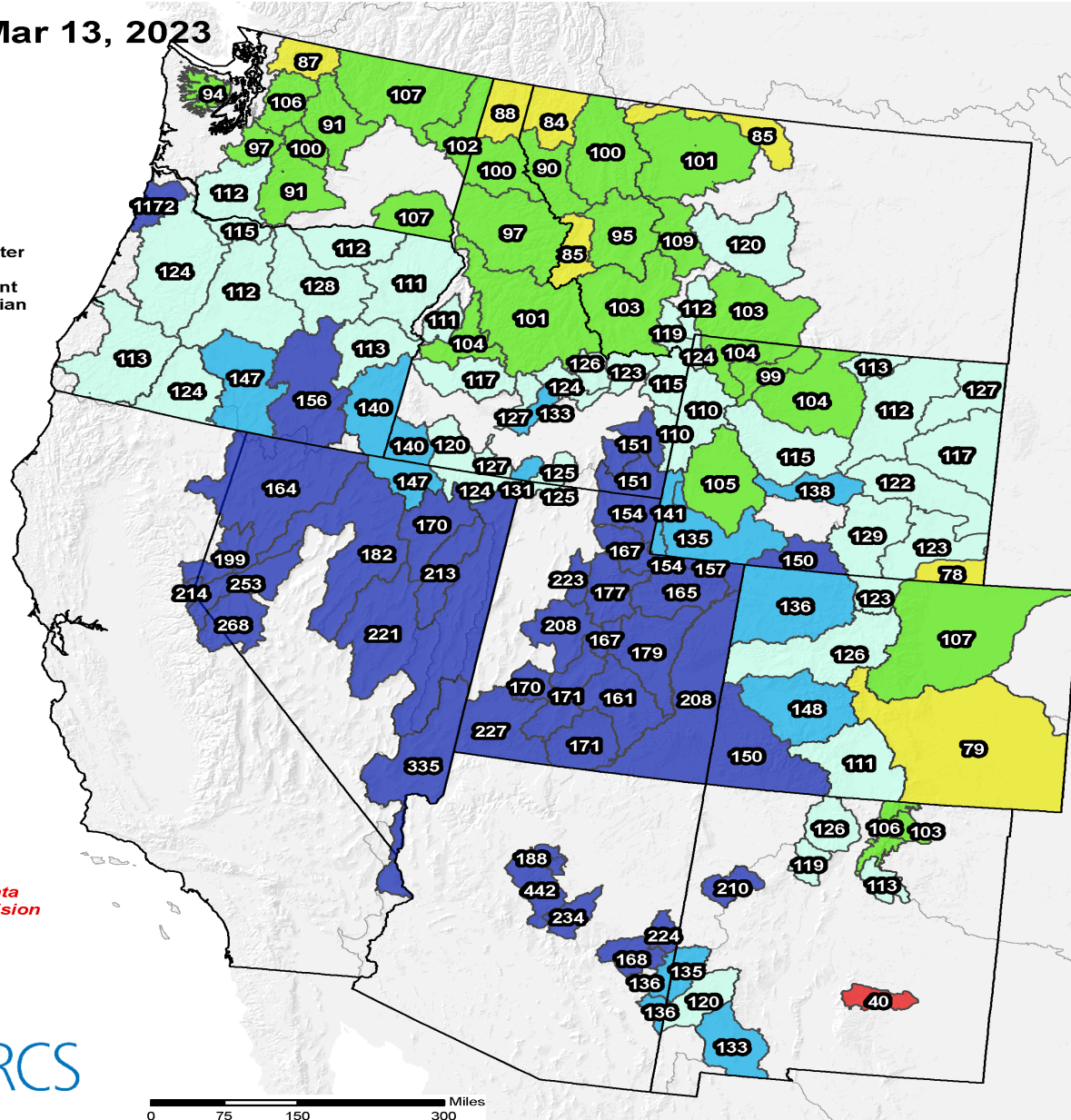
* Data unavailable at time of posting or measurement is not representative at this time of year

Provisional data subject to revision

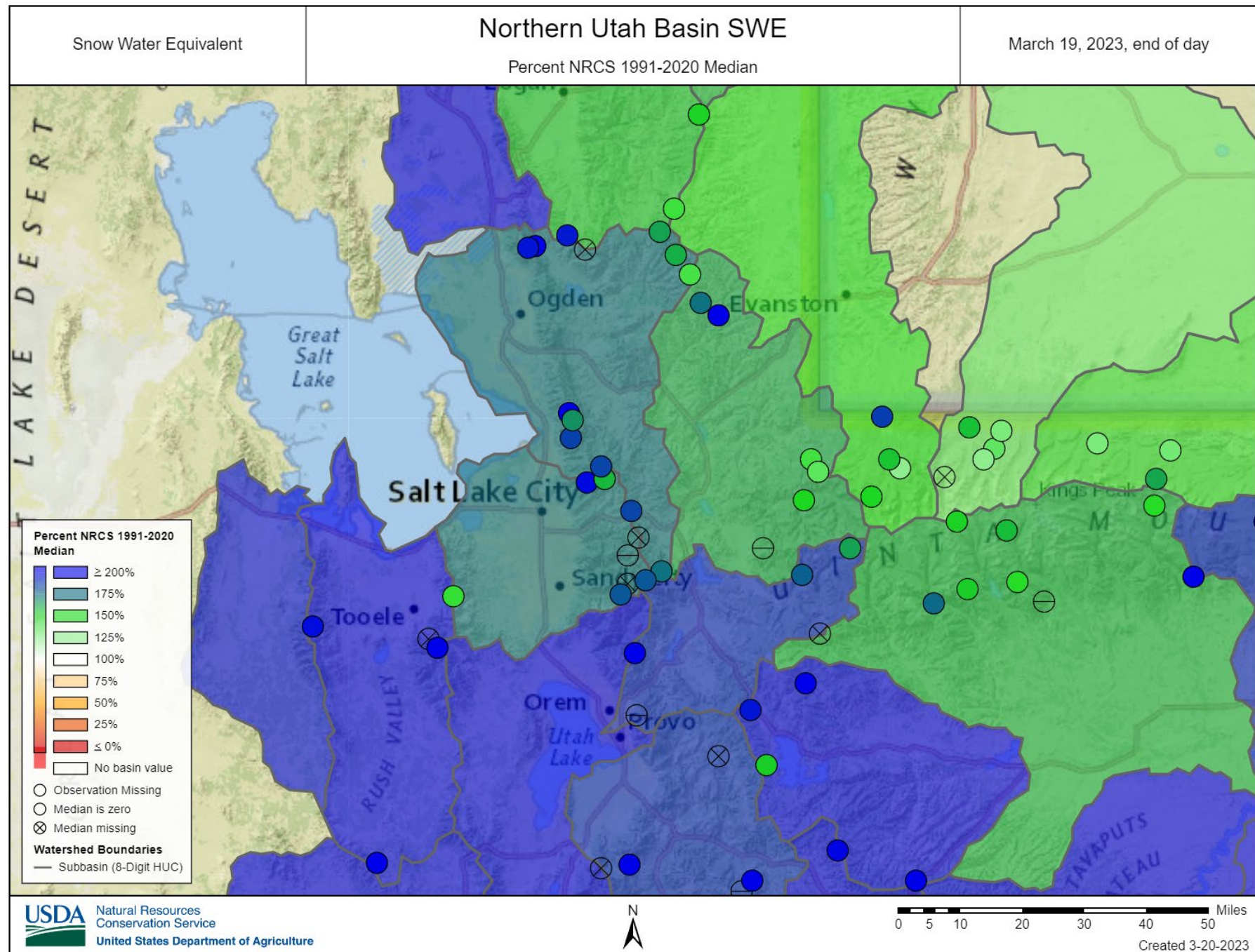


The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

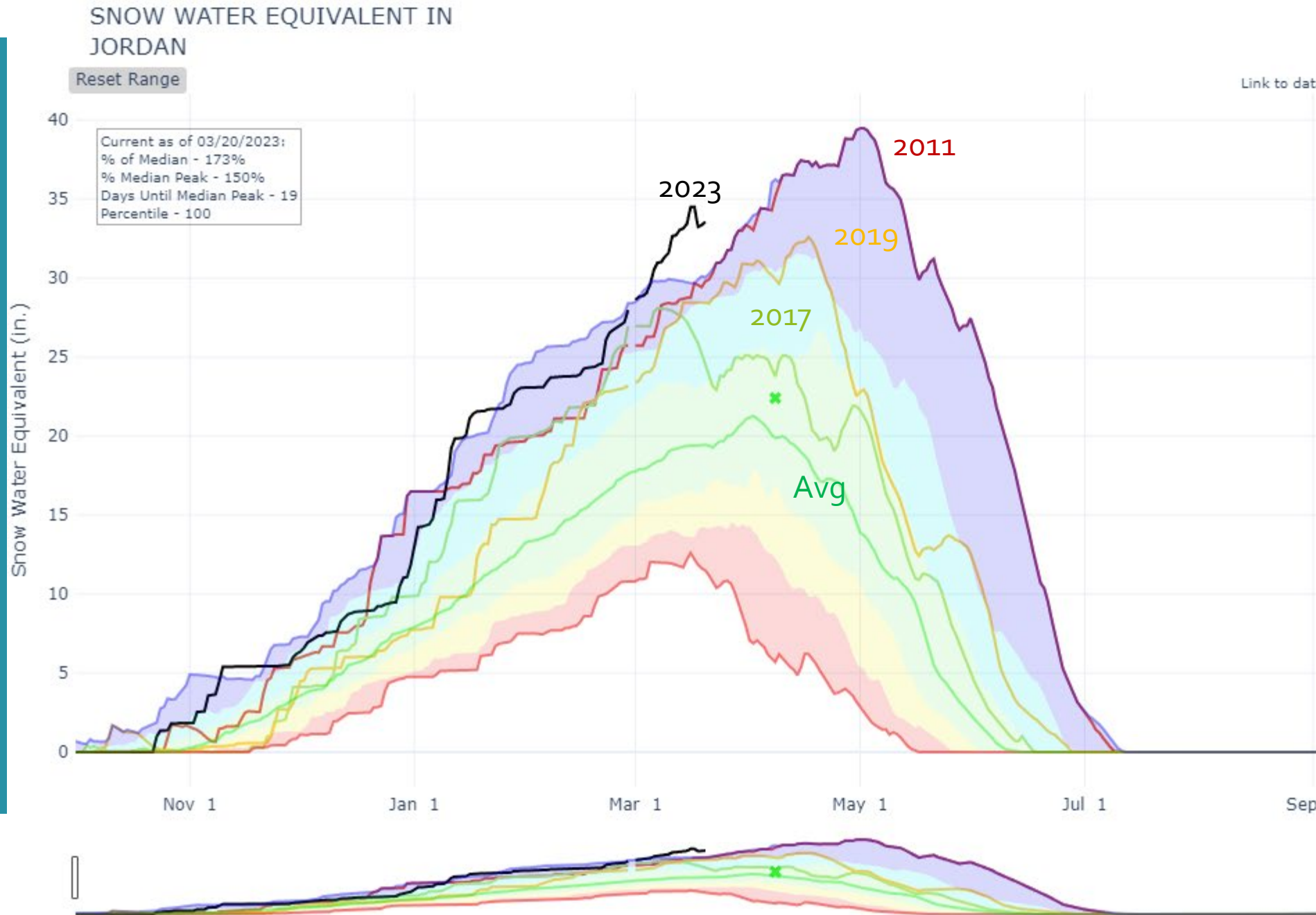
Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
<https://www.nrcs.usda.gov/wps/portal/wcc/home/>



Northern Utah Basins: Snow Water Equivalent (SWE)

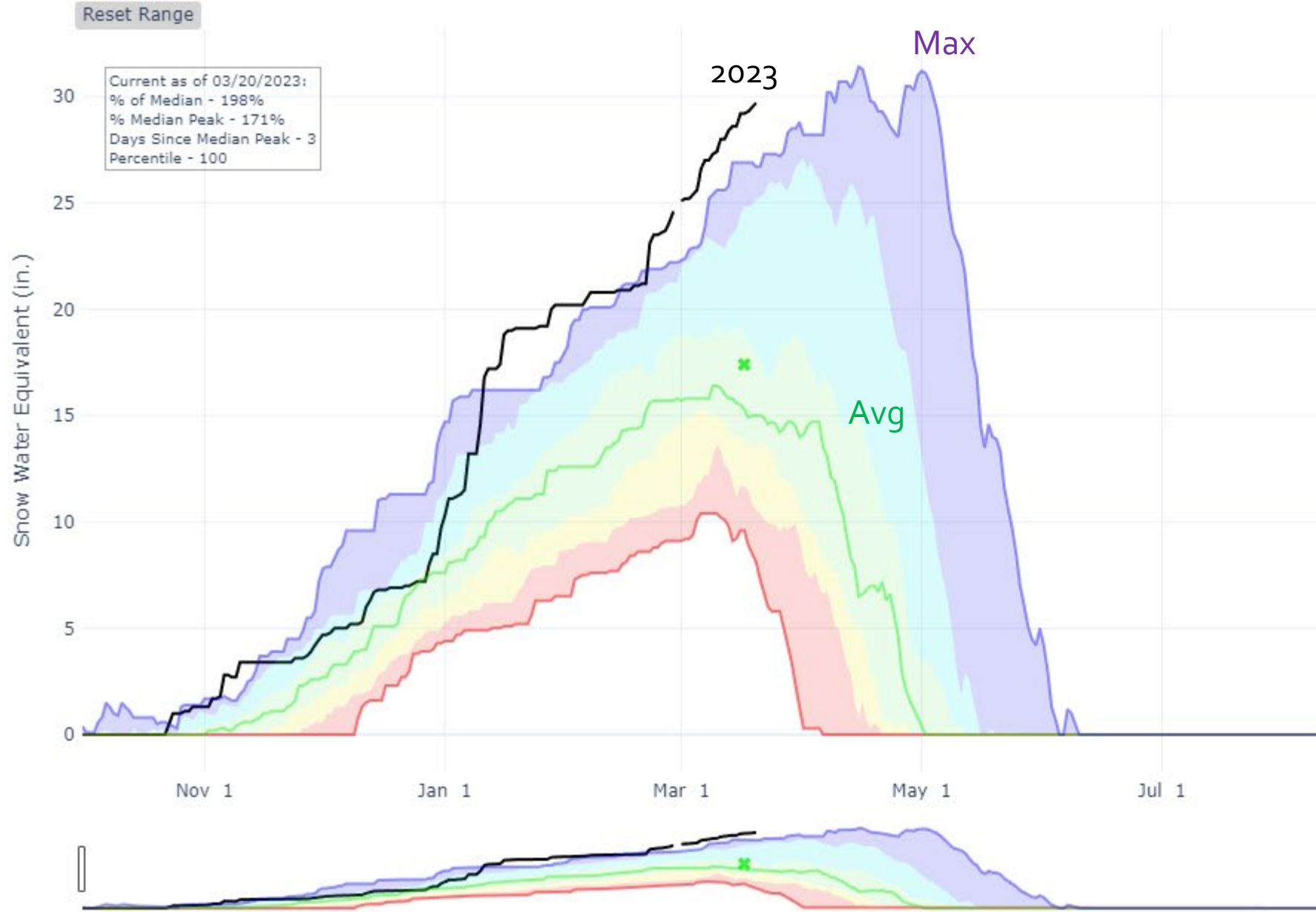


Jordan Basin: Snow Water Equivalent (SWE)



City Creek SWE at Louis Meadow

SNOW WATER EQUIVALENT AT LOUIS MEADOW

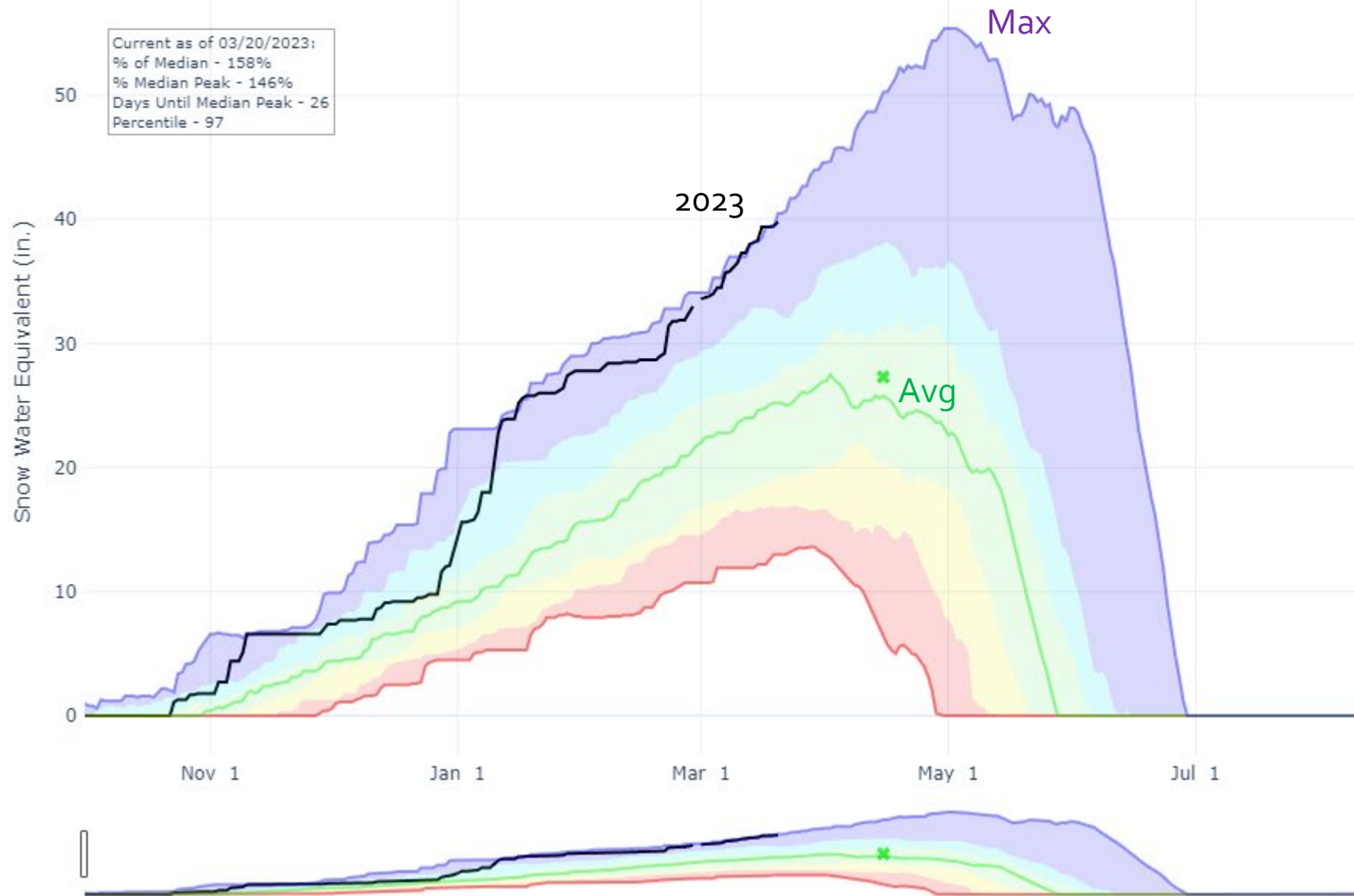


City Creek SWE at Lookout Peak

SNOW WATER EQUIVALENT AT LOOKOUT PEAK

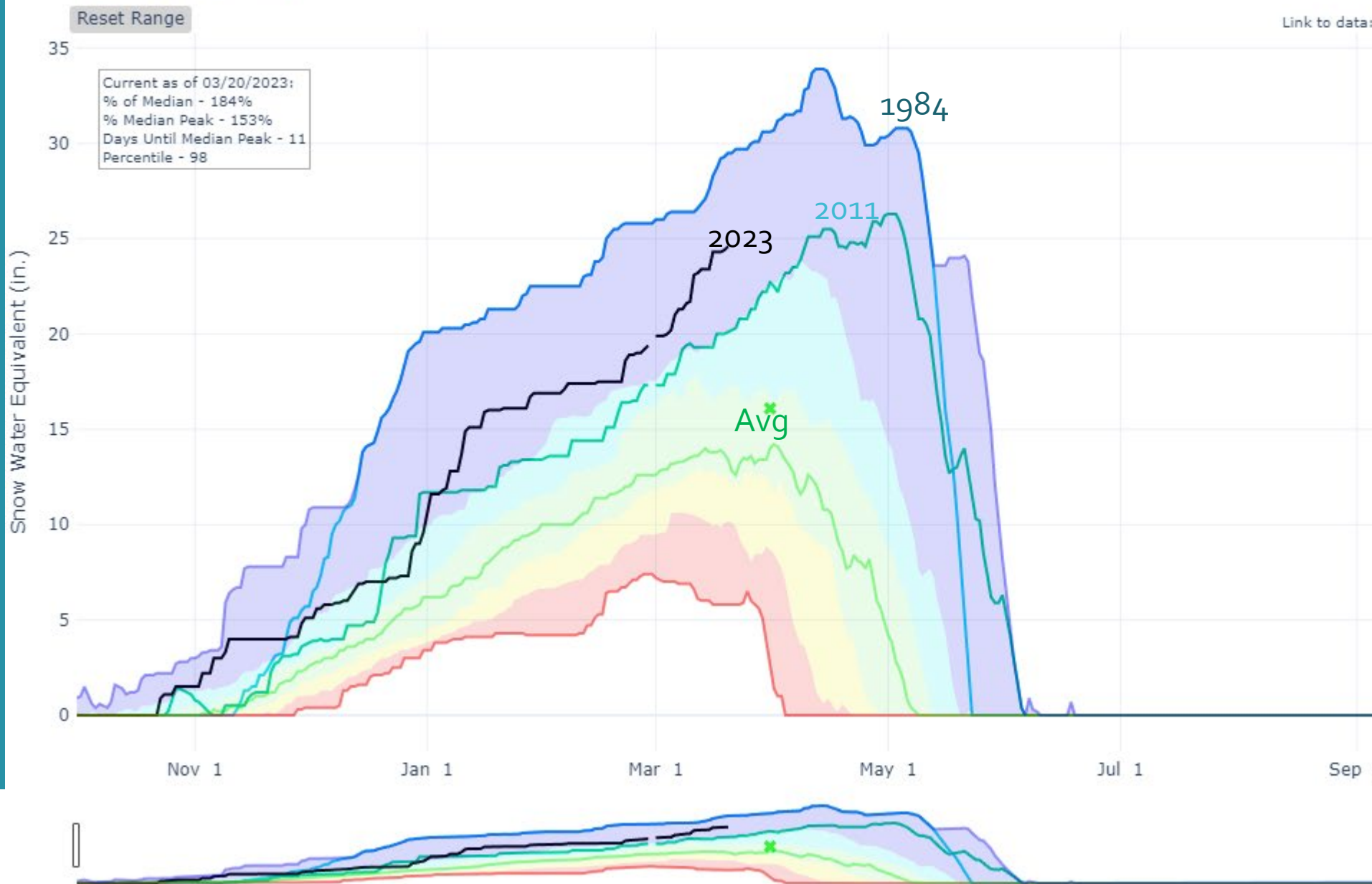
Reset Range

Current as of 03/20/2023:
% of Median - 158%
% Median Peak - 146%
Days Until Median Peak - 26
Percentile - 97



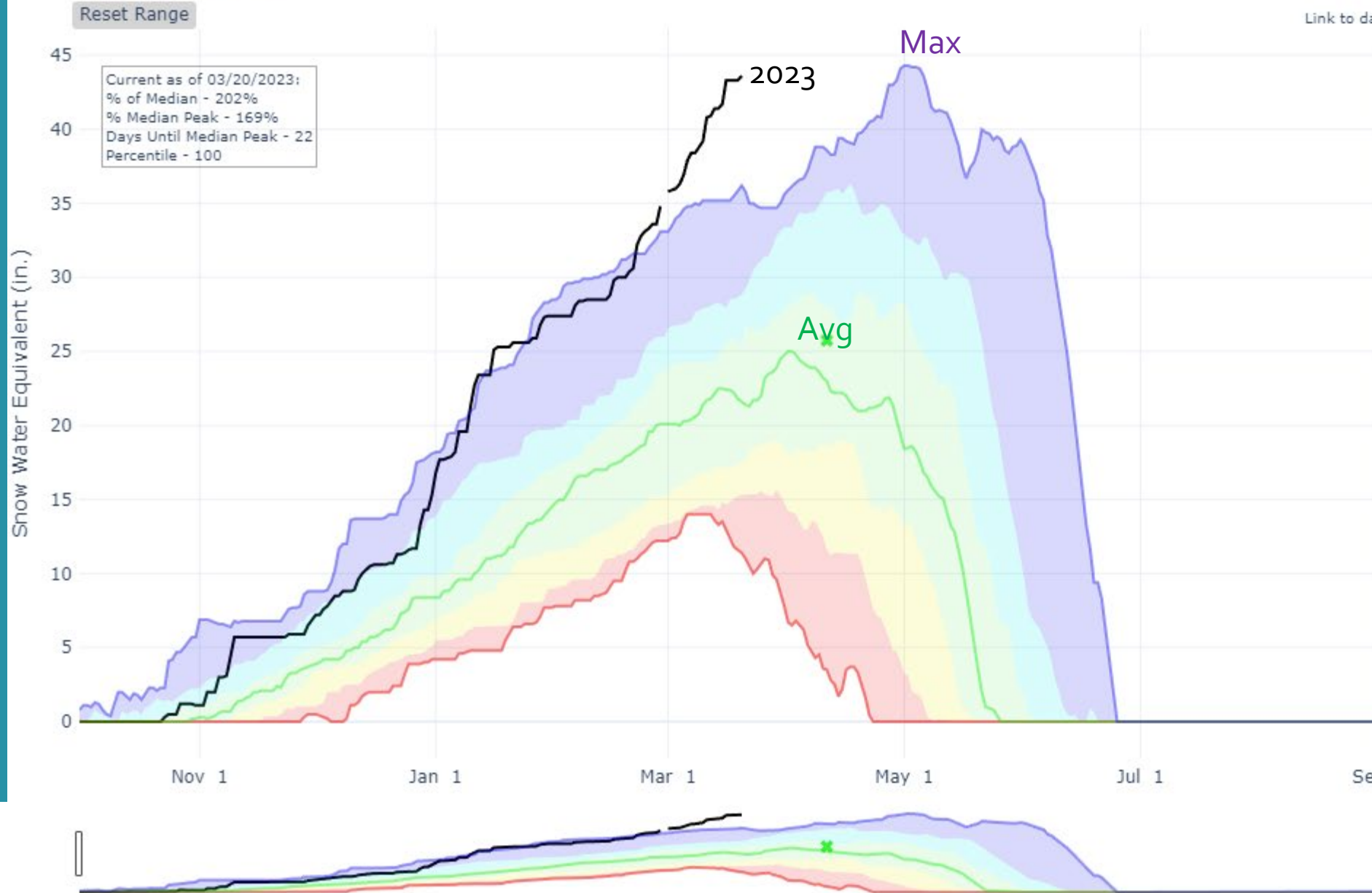
Parley's Creek SWE at Parley's Summit

SNOW WATER EQUIVALENT AT PARLEYS SUMMIT



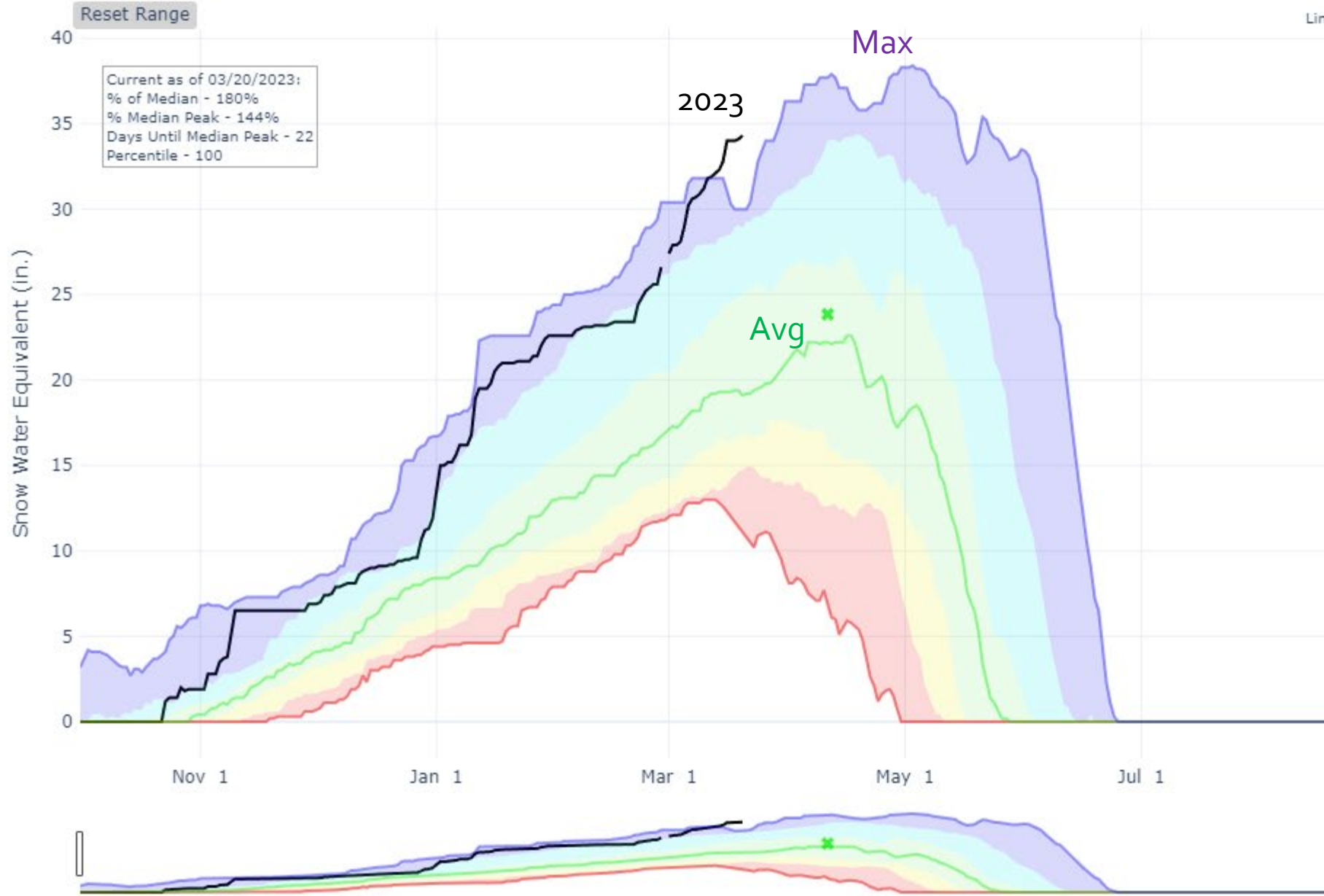
Big Cottonwood SWE at Mill D

SNOW WATER EQUIVALENT AT MILL-D NORTH



Big Cottonwood SWE at Brighton

SNOW WATER EQUIVALENT AT BRIGHTON

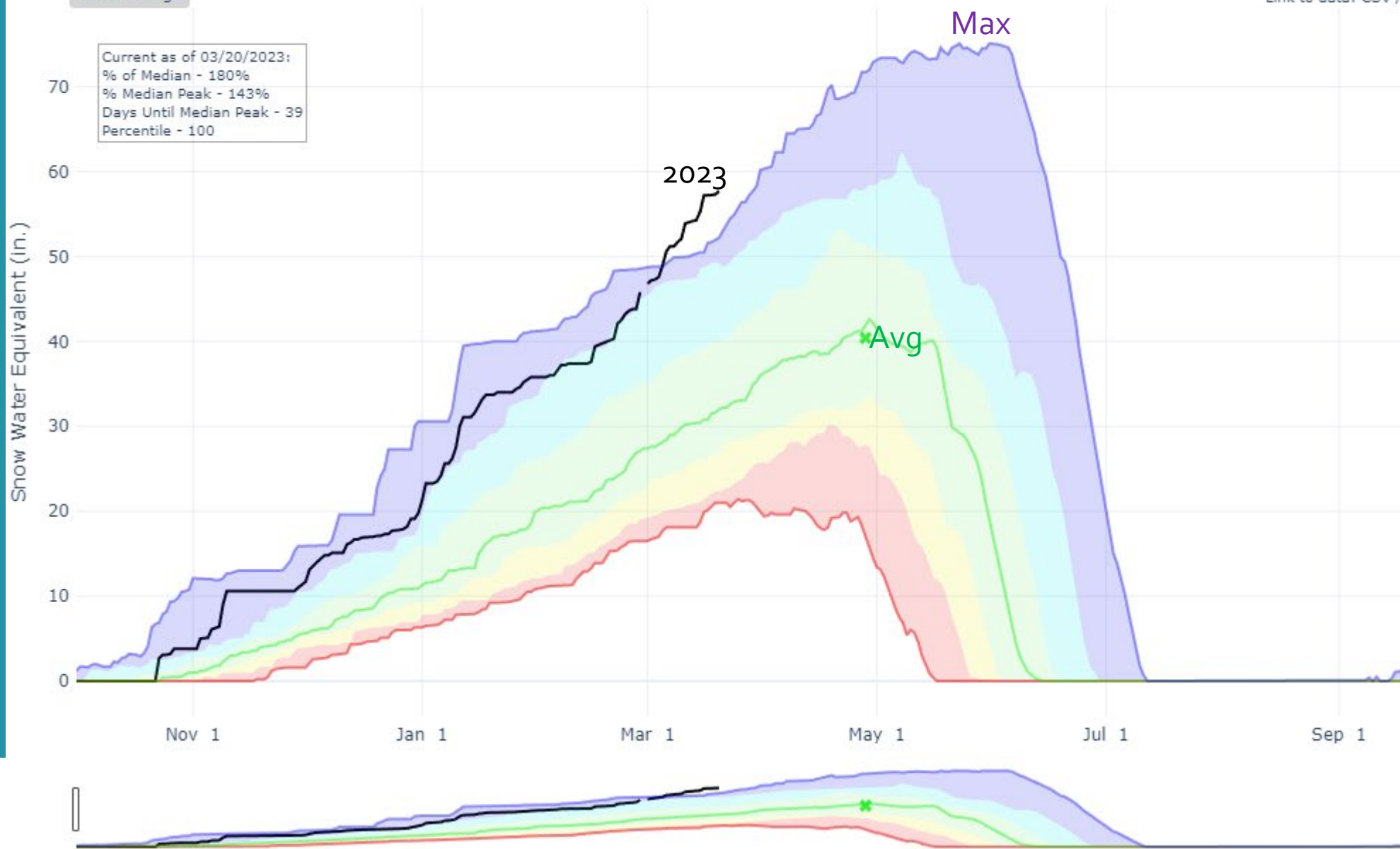


Little Cottonwood SWE at Snowbird

SNOW WATER EQUIVALENT AT SNOWBIRD

Reset Range

[Link to data: CSV /](#)





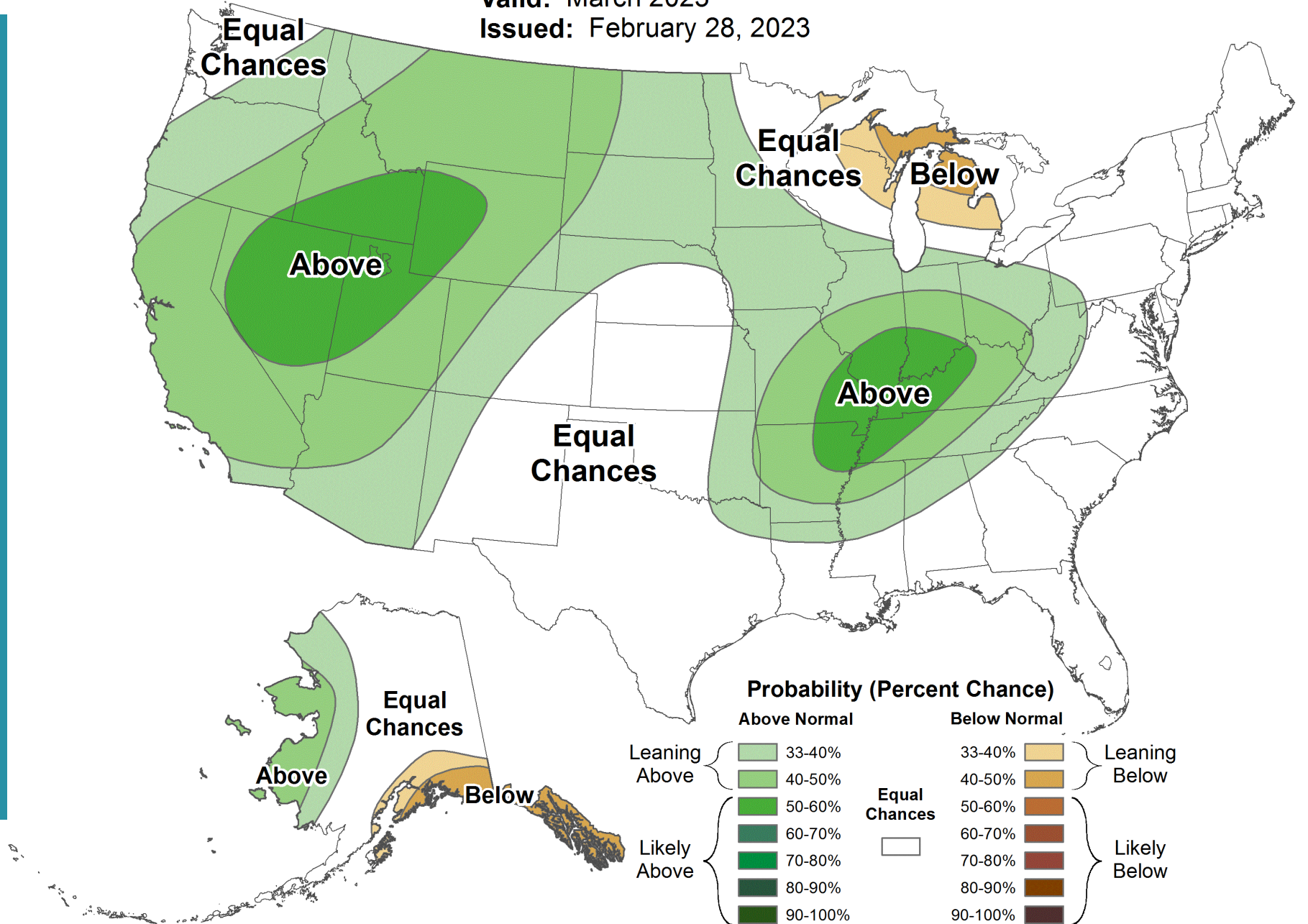
Monthly Precipitation Outlook



Valid: March 2023

Issued: February 28, 2023

Monthly Precipitation Forecast





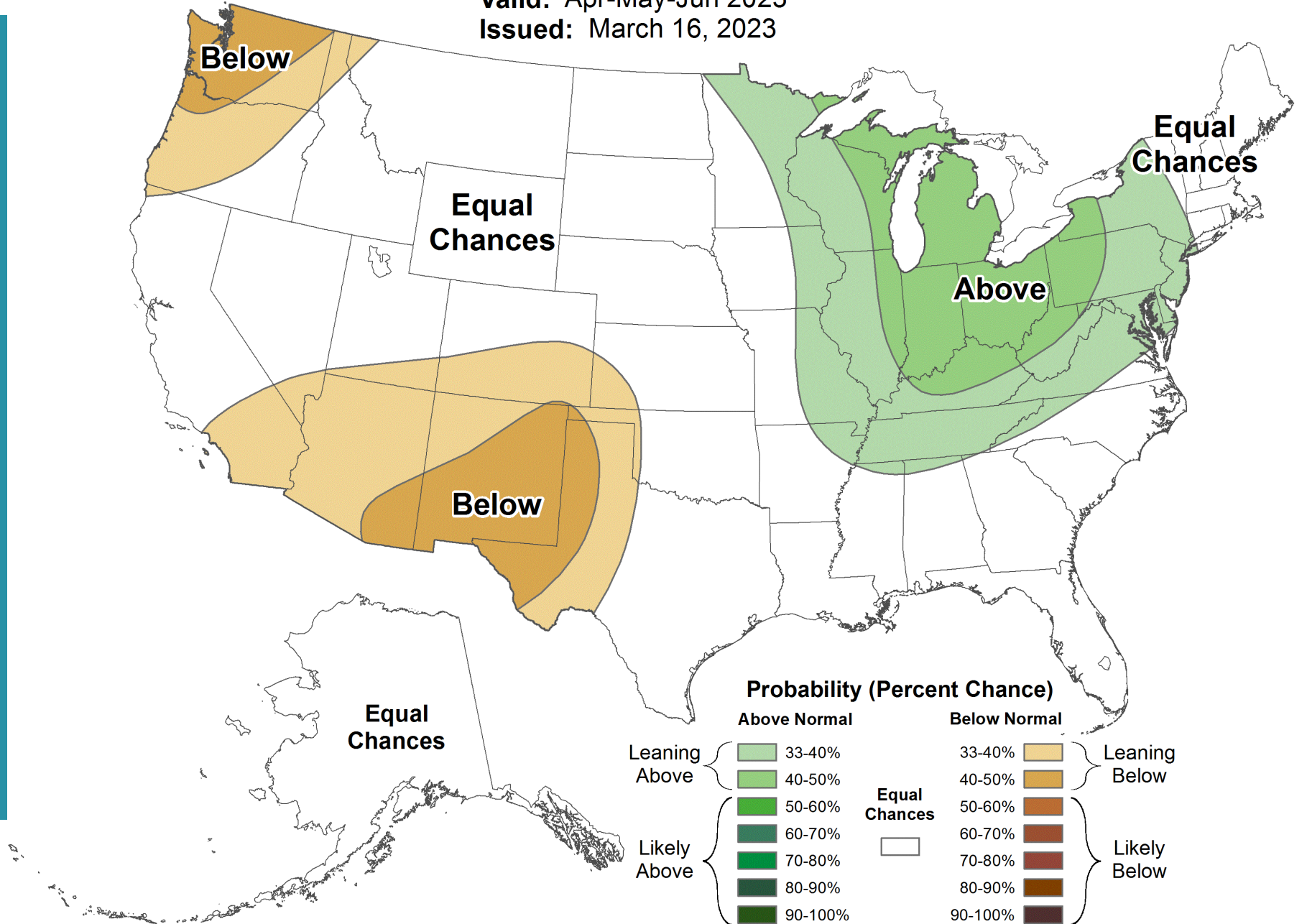
Seasonal Precipitation Outlook



Valid: Apr-May-Jun 2023

Issued: March 16, 2023

Seasonal Precipitation Forecast





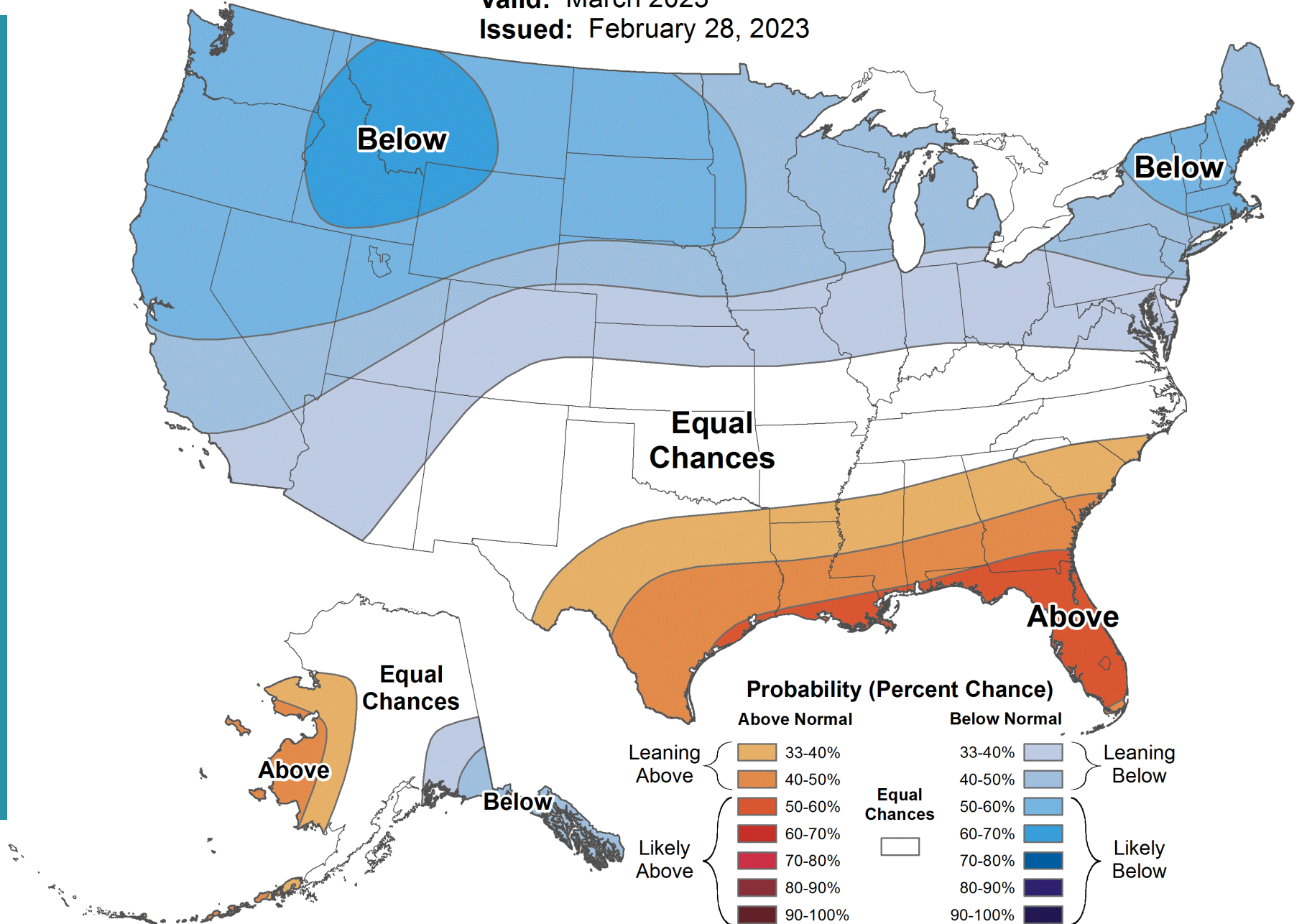
Monthly Temperature Outlook



Valid: March 2023

Issued: February 28, 2023

Monthly Temperature Forecast





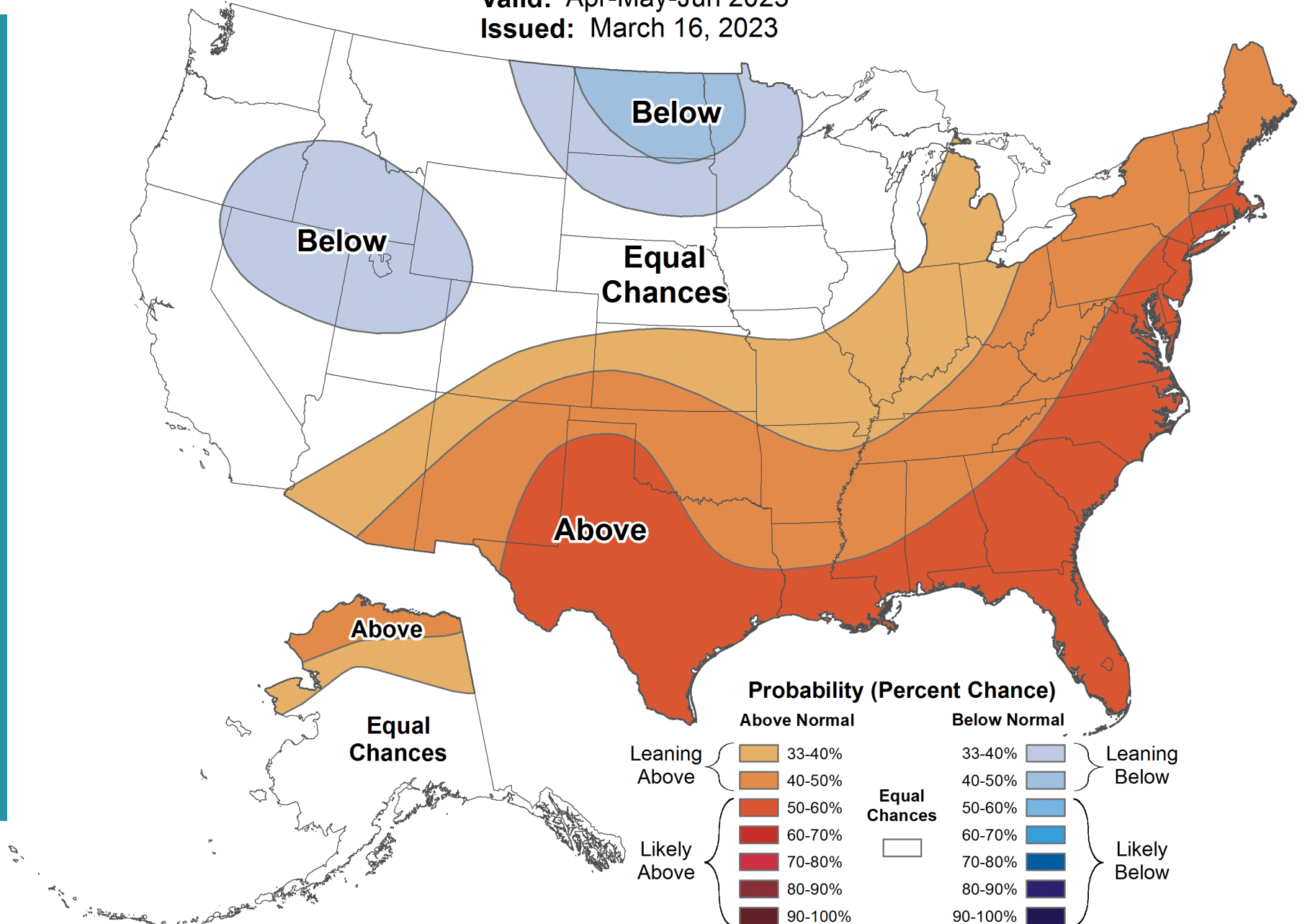
Seasonal Temperature Outlook



Valid: Apr-May-Jun 2023

Issued: March 16, 2023

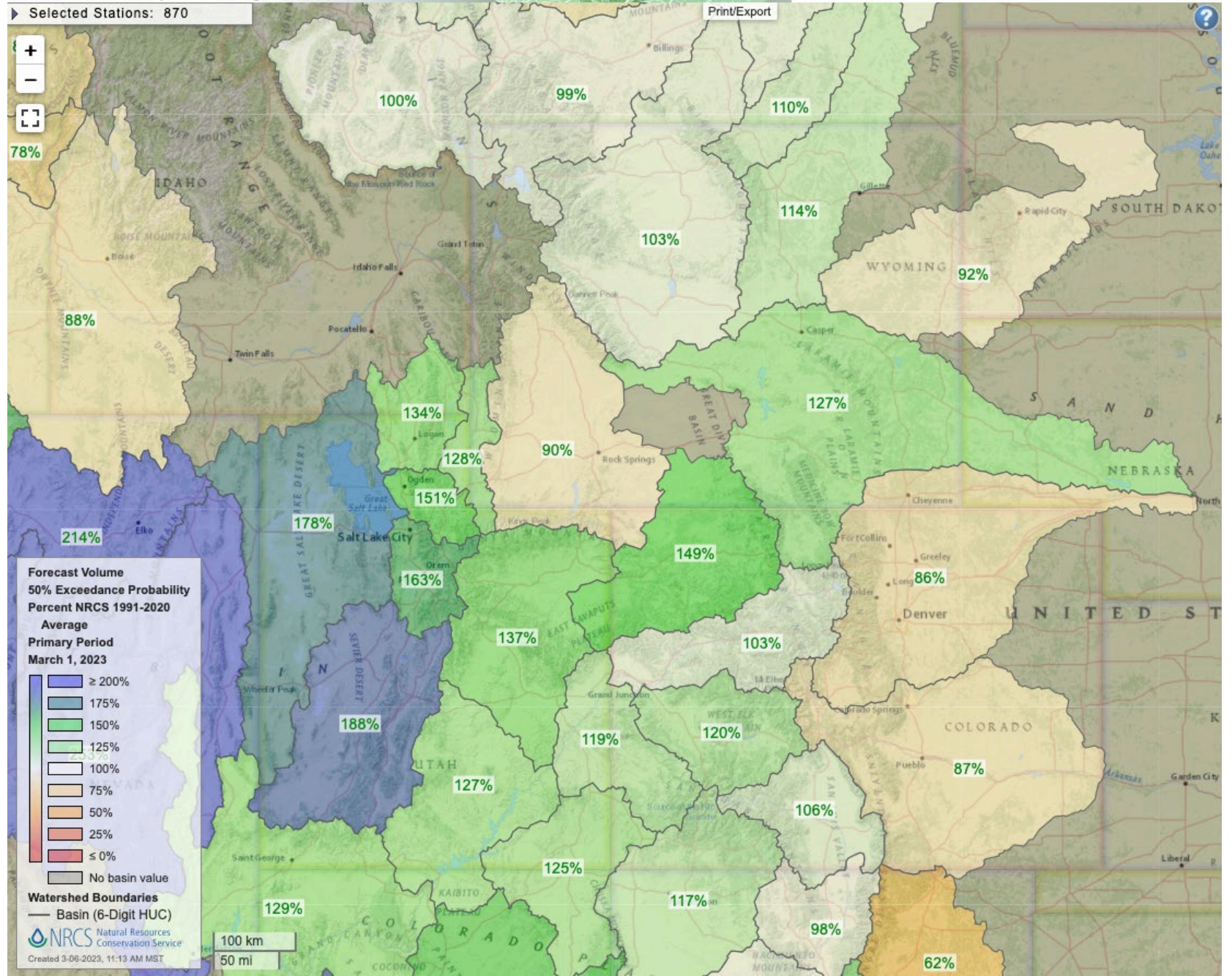
Seasonal Temperature Forecast



Selected Stations: 870

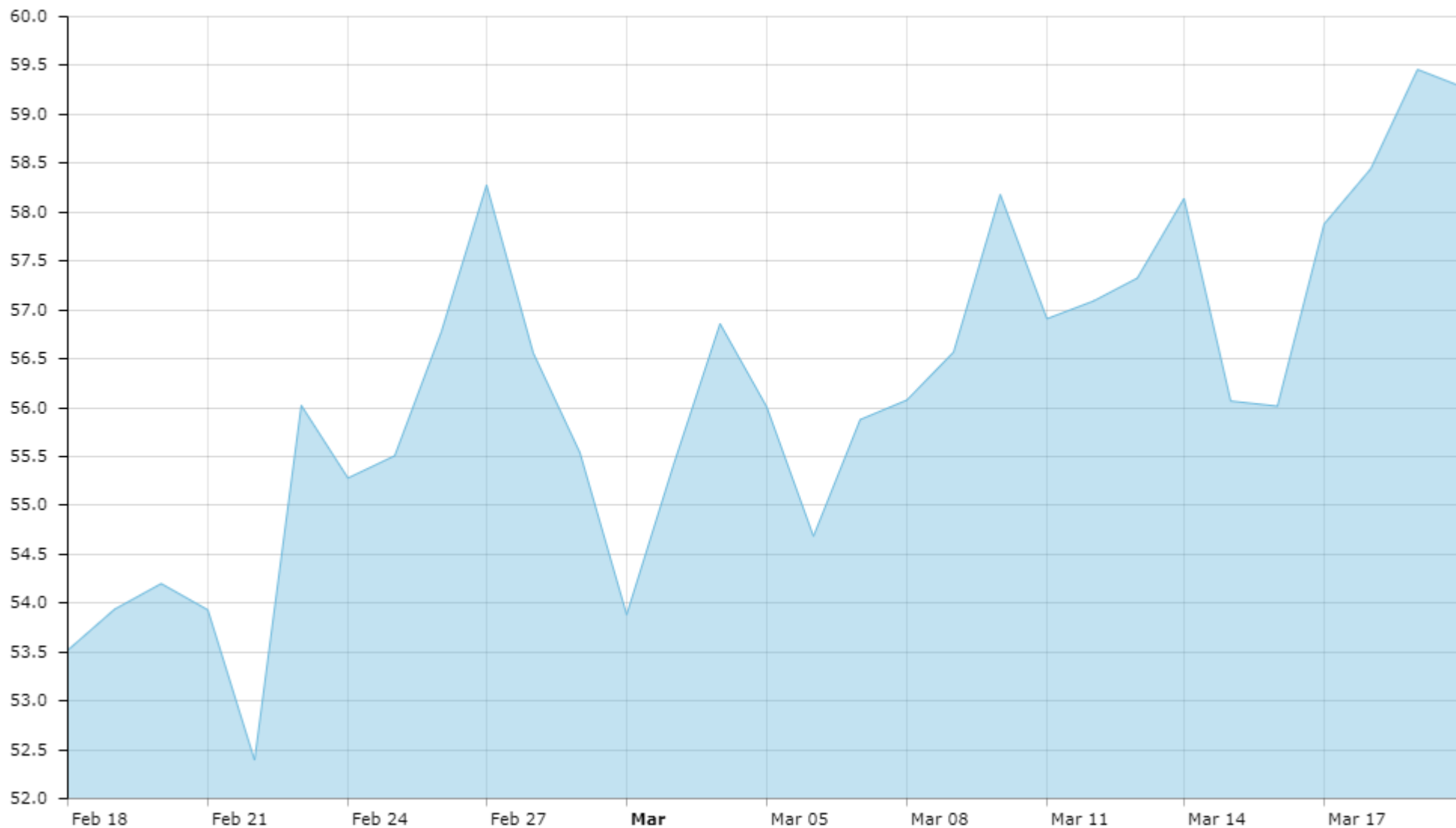
Print/Export

Seasonal Streamflow Forecast



Utah Lake: % full

All CUWCD Data is Provisional



Bear, Weber, and Provo River Basins

Wasatch
Reservoirs:
% full

