

March Conditions & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center



March Temperatures



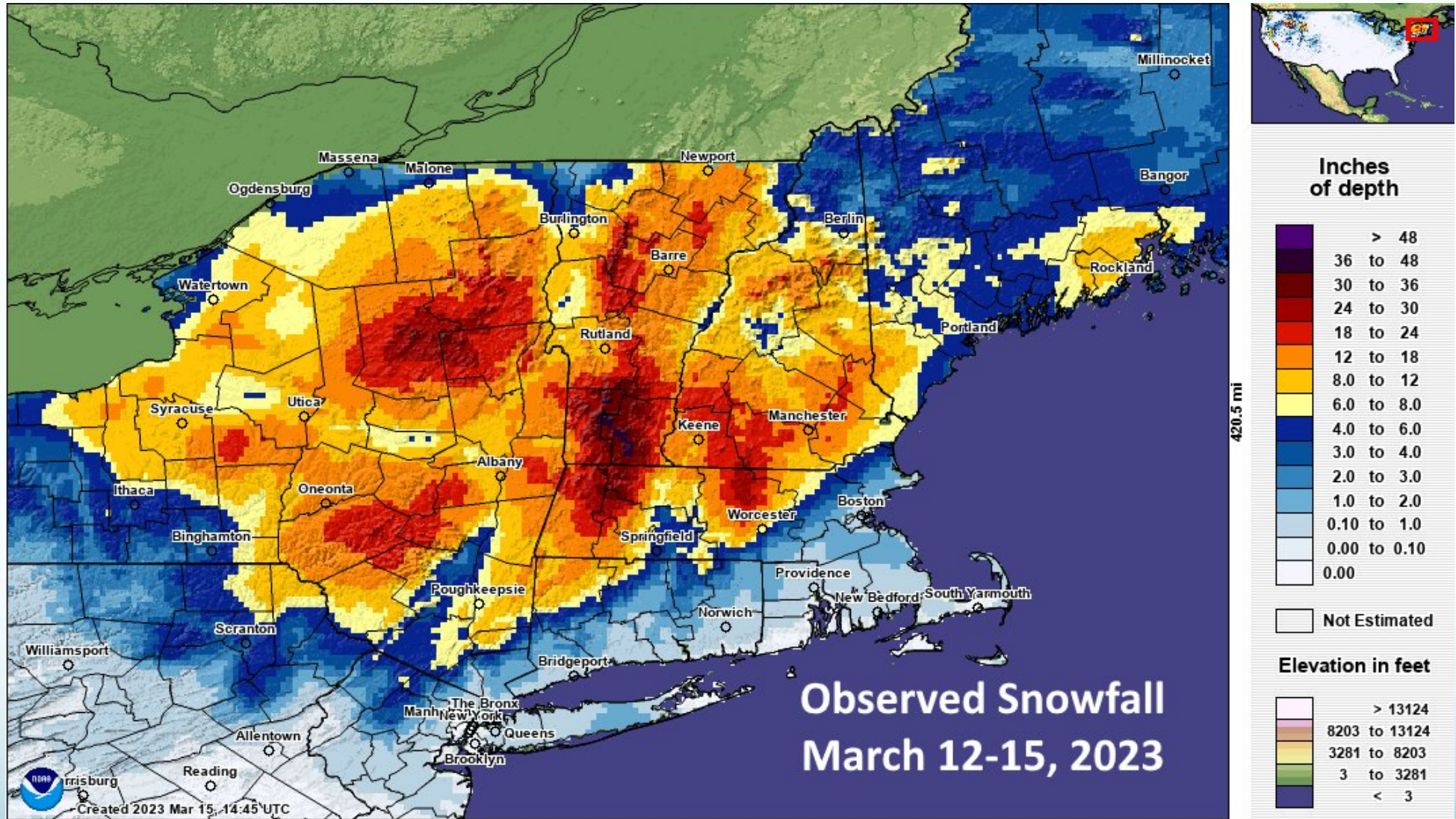
From near normal to 6°F above normal

March Snowfall



From 12" below normal to more than 12" above normal

March Snowfall



Multiple counties with at least 12"
Greatest amounts of 36-42" in eastern NY, western MA, southern VT

Season-To-Date Snowfall



From more than 48" below normal to 36" above normal

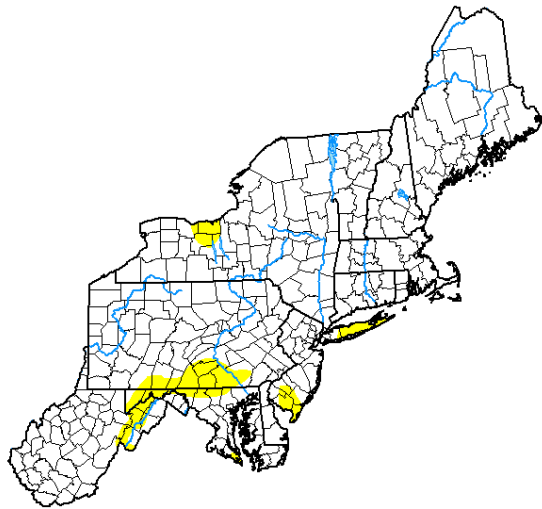
March Precipitation



From 25% of normal to more than 200% of normal

Drought Monitor

U.S. Drought Monitor Northeast



February 28, 2023

(Released Thursday, Mar. 2, 2023)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	94.27	5.73	0.00	0.00	0.00	0.00
Last Week 02-21-2023	96.42	3.58	0.00	0.00	0.00	0.00
3 Months Ago 11-29-2022	89.43	8.52	1.93	0.13	0.00	0.00
Start of Calendar Year 01-03-2023	90.64	9.16	0.21	0.00	0.00	0.00
Start of Water Year 09-27-2022	69.23	17.83	9.11	3.70	0.14	0.00
One Year Ago 03-01-2022	82.27	15.69	1.19	0.85	0.00	0.00

Intensity:

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

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>

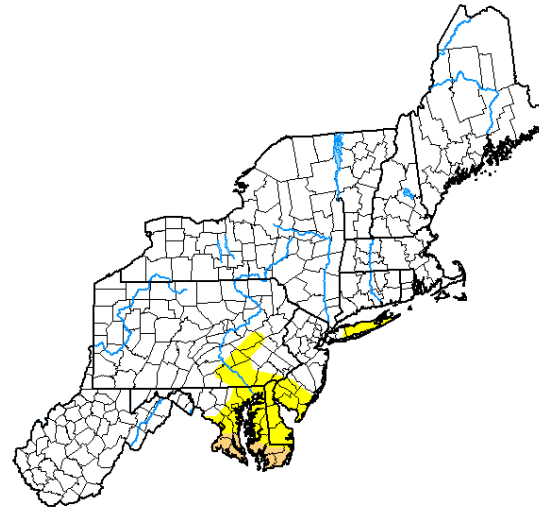
Author:

Richard Heim
NCEI/NOAA



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast



March 28, 2023

(Released Thursday, Mar. 30, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	92.34	6.36	1.30	0.00	0.00	0.00
Last Week 03-21-2023	95.91	4.09	0.00	0.00	0.00	0.00
3 Months Ago 12-27-2022	90.59	9.21	0.21	0.00	0.00	0.00
Start of Calendar Year 01-03-2023	90.64	9.16	0.21	0.00	0.00	0.00
Start of Water Year 09-27-2022	69.23	17.83	9.11	3.70	0.14	0.00
One Year Ago 03-29-2022	71.90	24.96	2.46	0.67	0.00	0.00

Intensity:

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

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:

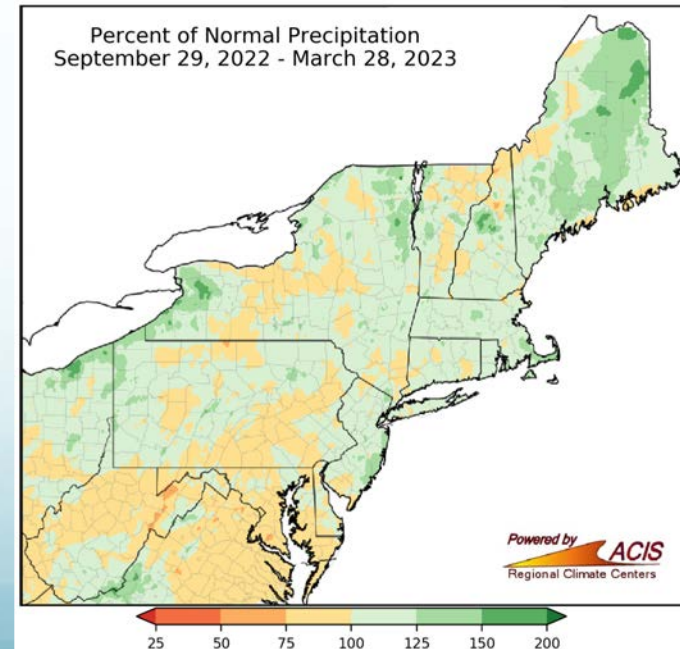
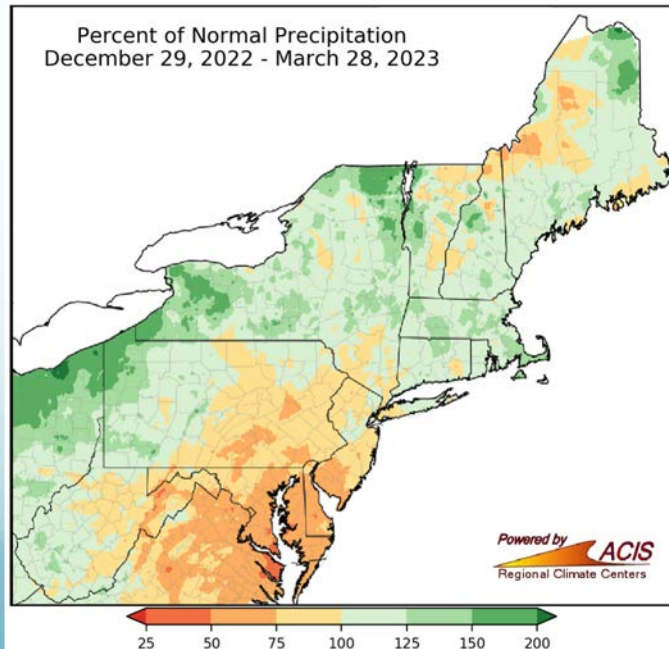
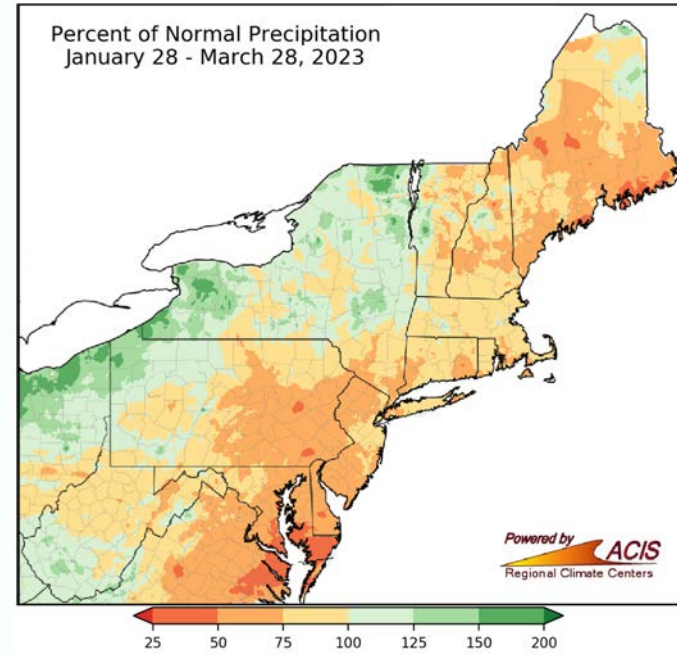
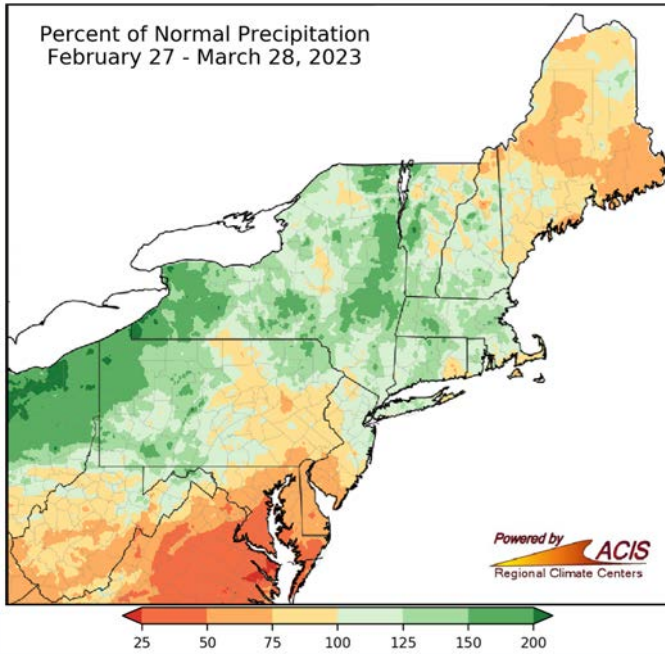
Curtis Riganti
National Drought Mitigation Center



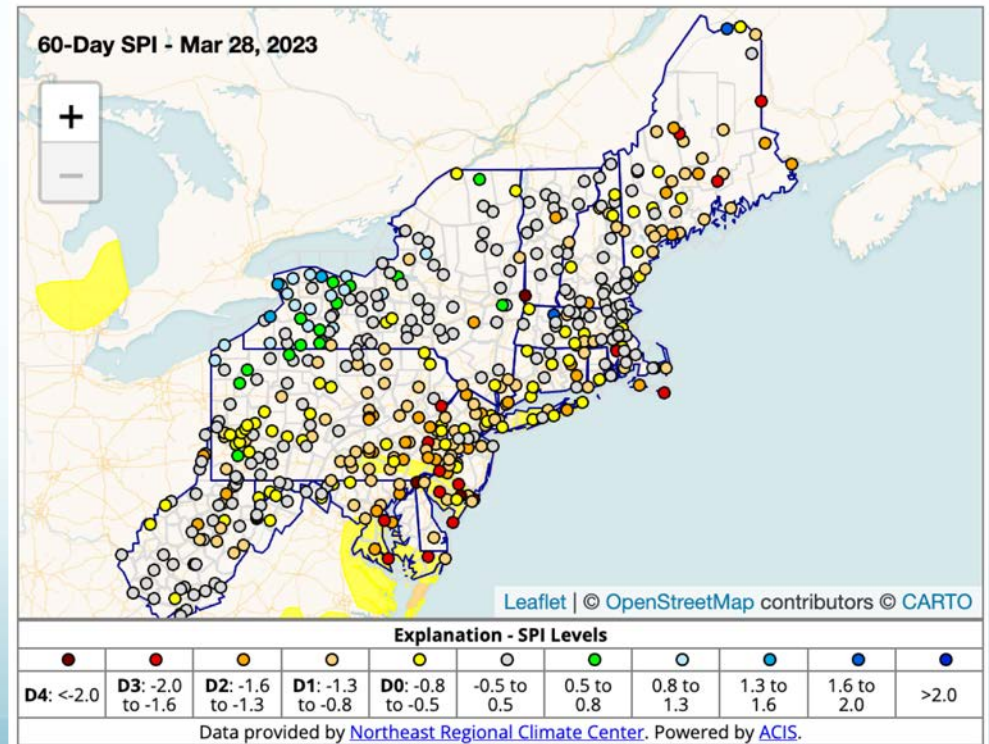
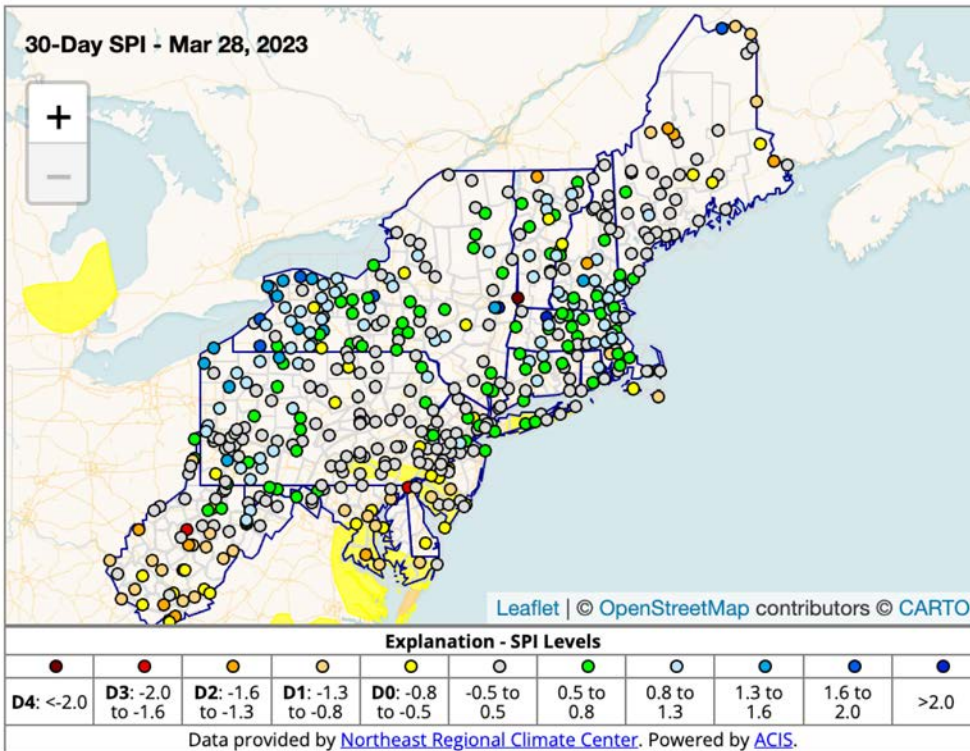
droughtmonitor.unl.edu



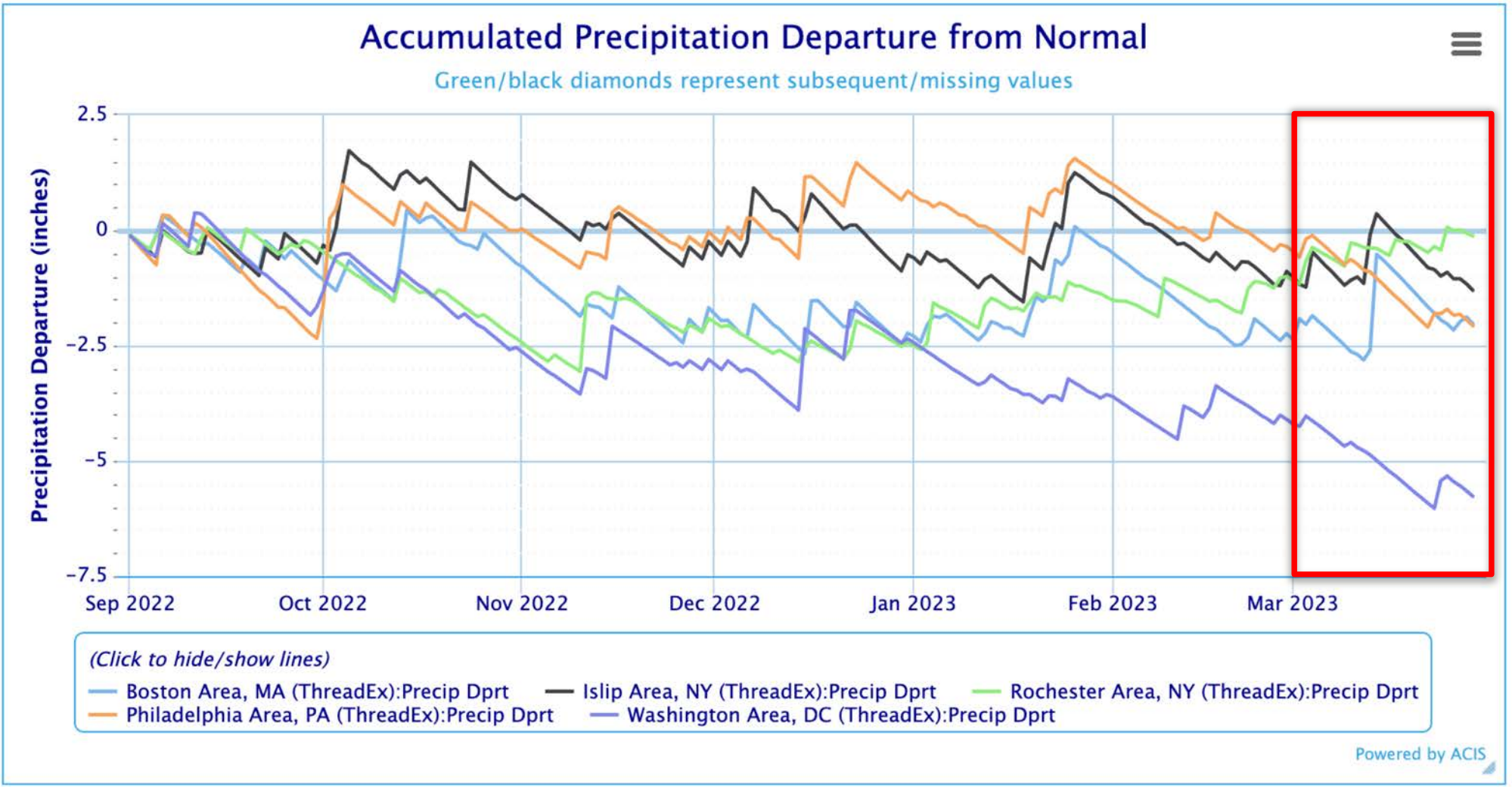
Precipitation



Standardized Precipitation Index

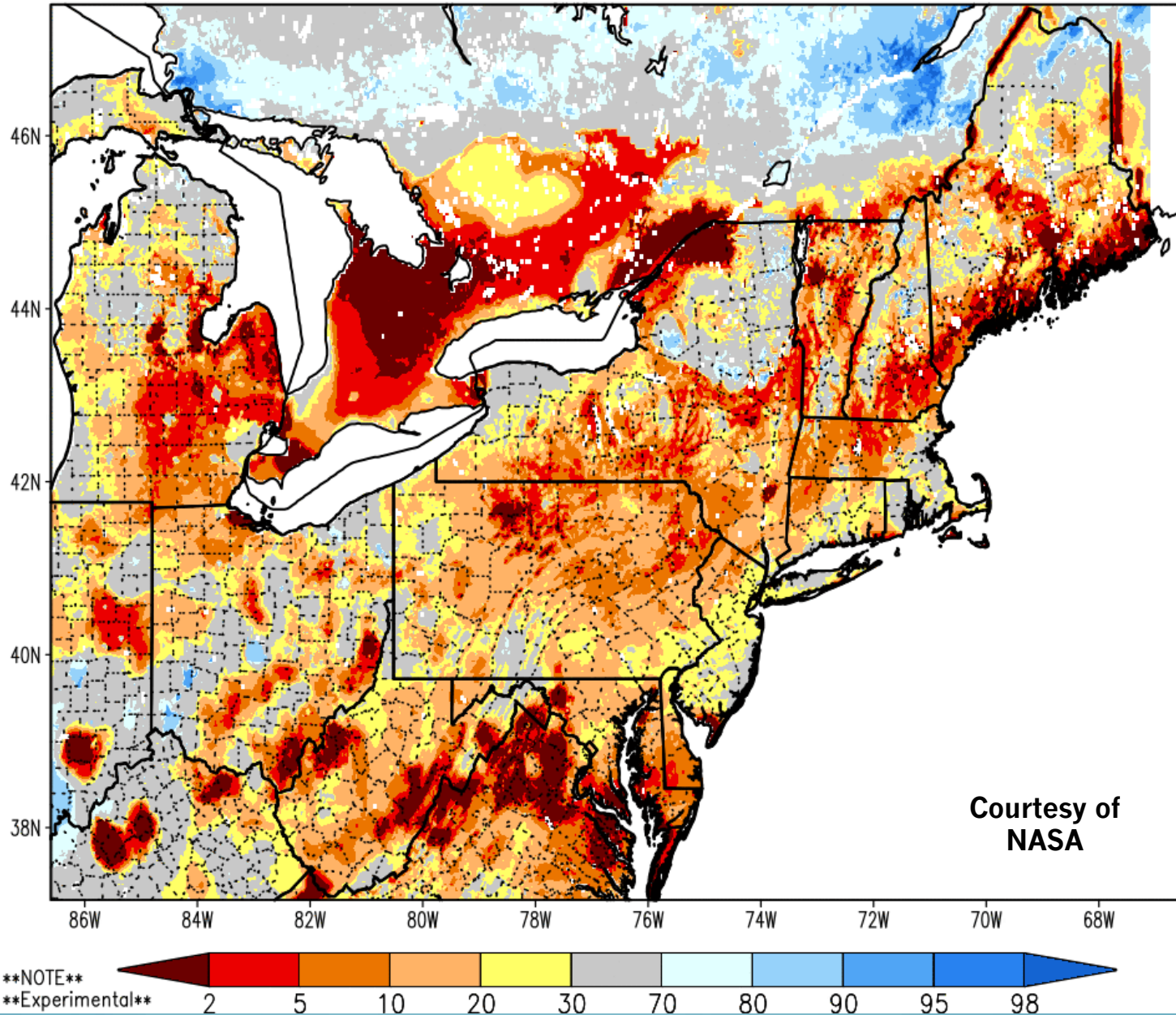


Precipitation



Soil Moisture

SPoRT-LIS 0-100 cm Soil Moisture percentile valid 30 Mar 2023



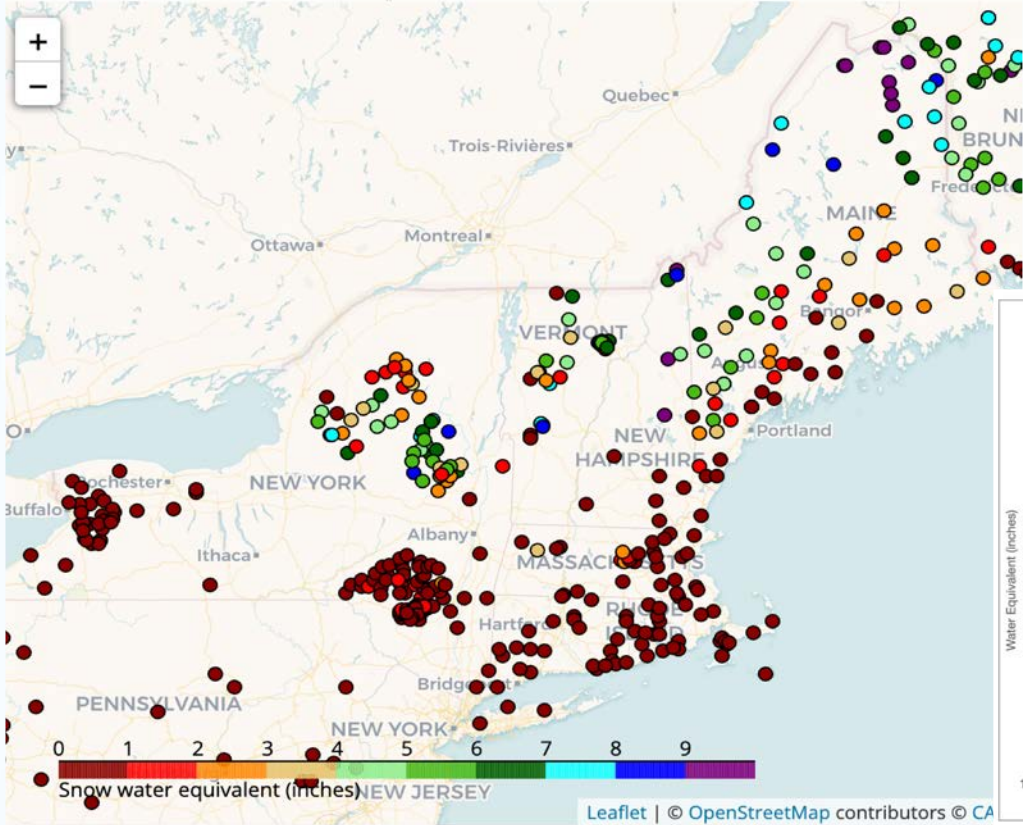
Streamflow



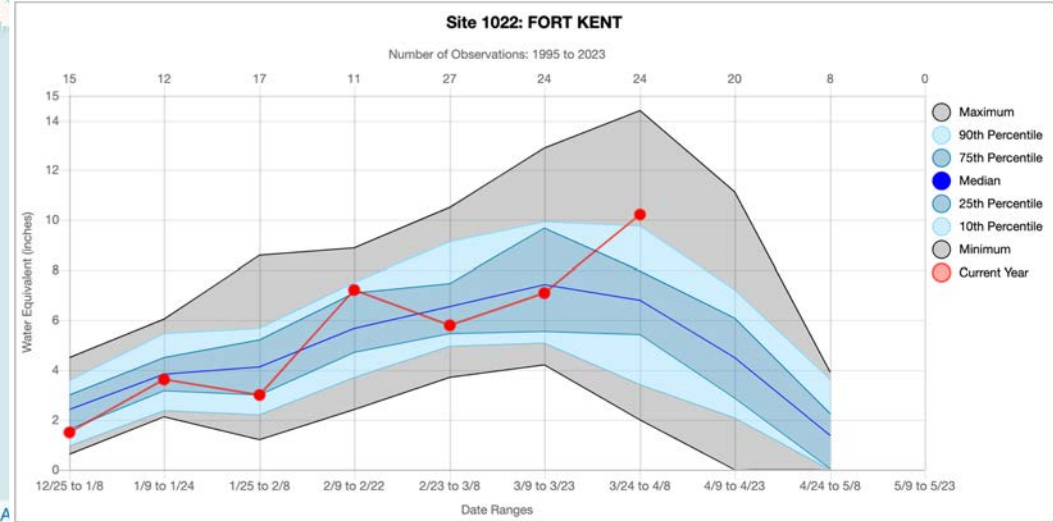
Groundwater



Snow Water Equivalent for March 26-31, 2023

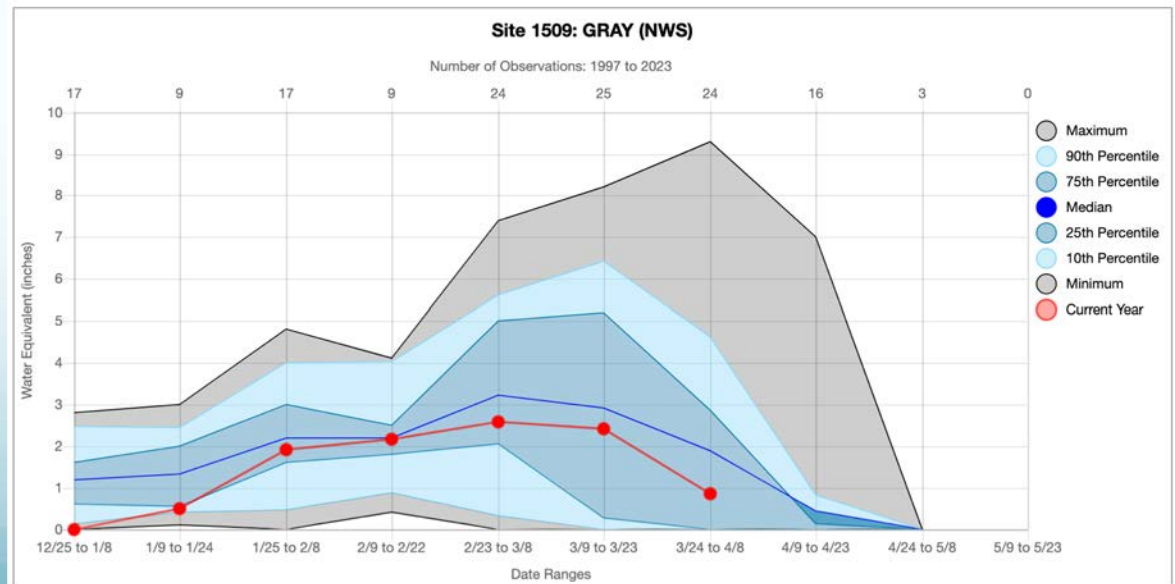


Snow Water Equivalent



<http://www.nrcc.cornell.edu/regional/snowsurvey/snowsurvey.html>

https://www.maine.gov/dacf/mgs/hazards/snow_survey/snow_graphs.shtml



Precipitation Forecast



Short-term Outlooks



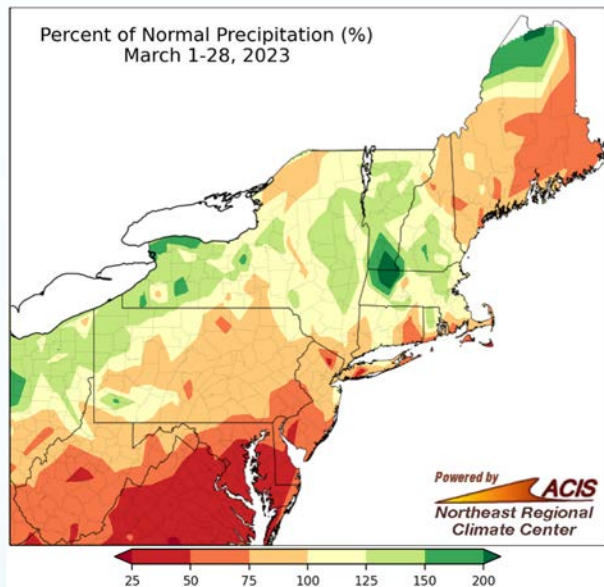
Monthly & 3-Month Outlooks



Summary

March-to-date conditions:

- Near- or -above-normal temperatures
- Below-normal precip/snowfall in southern areas but near- or above-normal precip/snowfall in some northern areas, esp. where nor'easter dropped snow



Drought:

- Moderate drought introduced in Maryland; abnormal dryness expanded in southeastern corner of region
- Dryness eased in western New York

Outlooks:

- Short-term: near- or above-normal precipitation and near- or above-normal temperatures generally favored for both periods
- April/April-June: Above-normal precipitation favored for some interior areas in April and for all but New England in April-June; above-normal temperatures favored for all for both periods



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, April 27 at 9:30am EDT
 - USDA Northeast Climate Hub
- Thursday, May 25 at 9:30am EDT
 - Improving the NOAA ER Climate Services Monthly Webinar
- Thursday, June 29 at 9:30am EDT
 - Heat Projects
- Thursday, July 27 at 9:30am EDT
 - TBD
- Thursday, August 31 at 9:30am EDT
 - Hurricane Season Update and Outlook



www.nrcc.cornell.edu