

March Review & Northeast DEWS Discussion

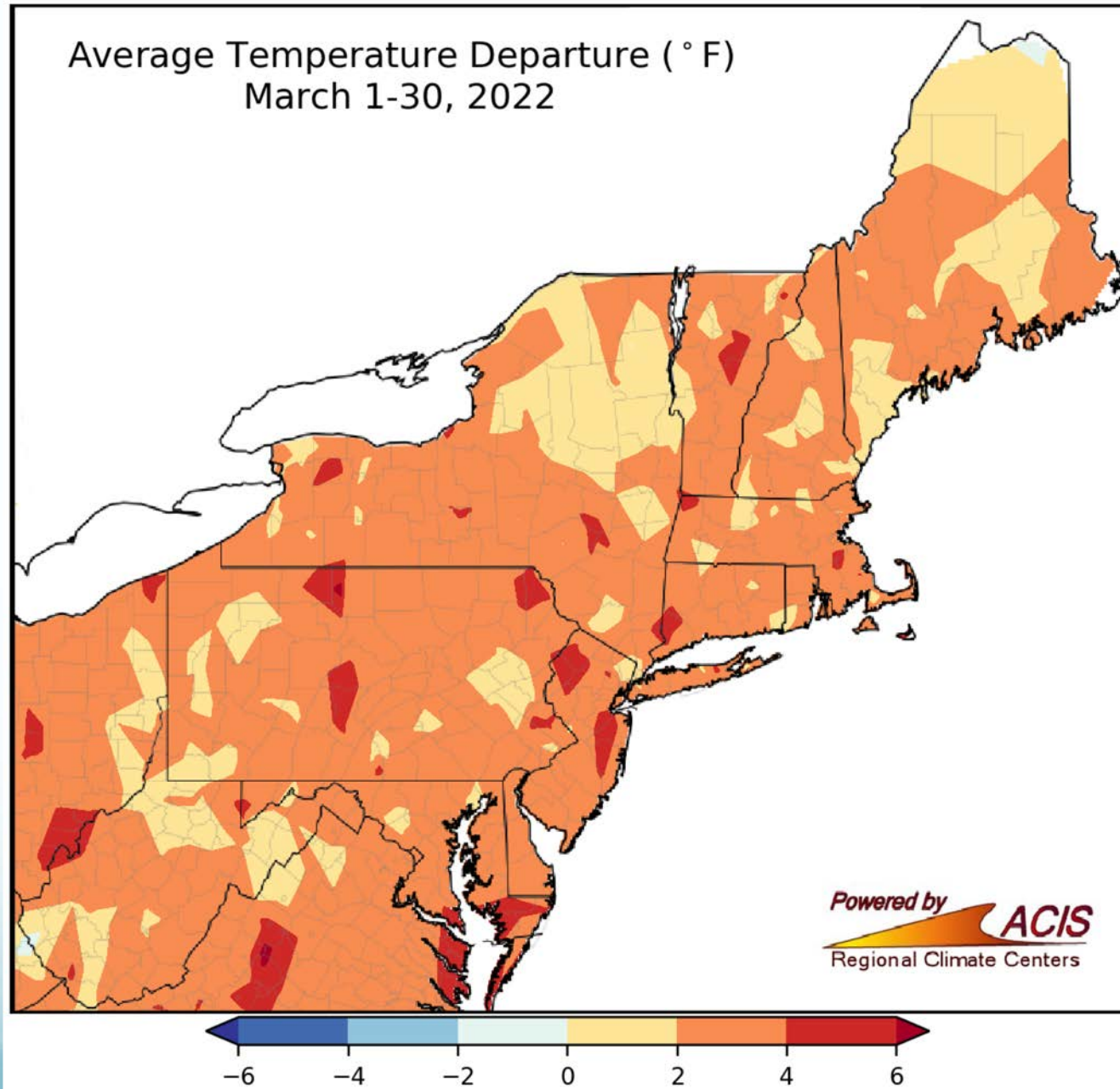
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center



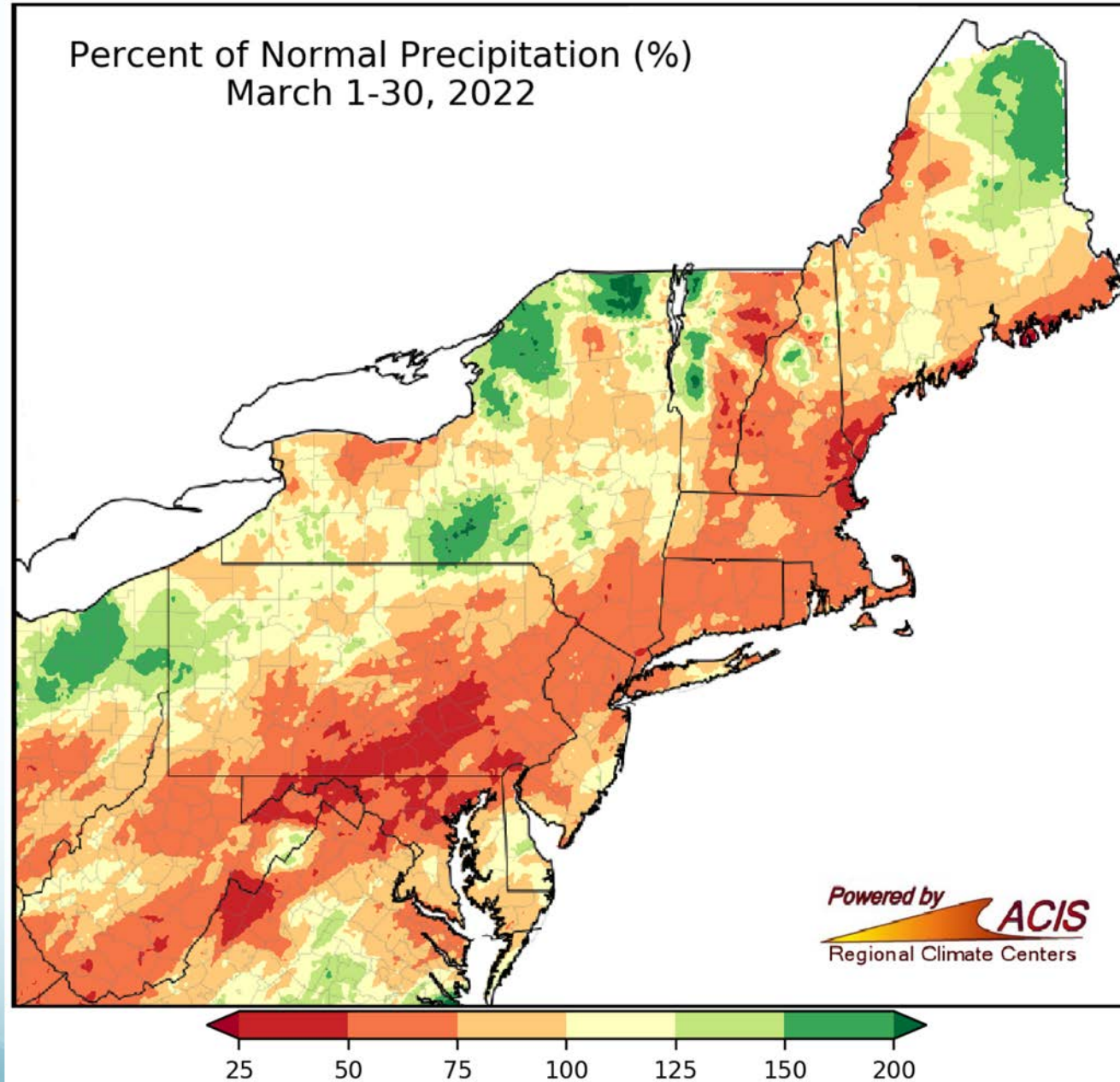
March Temperatures



From near normal to 6°F above normal



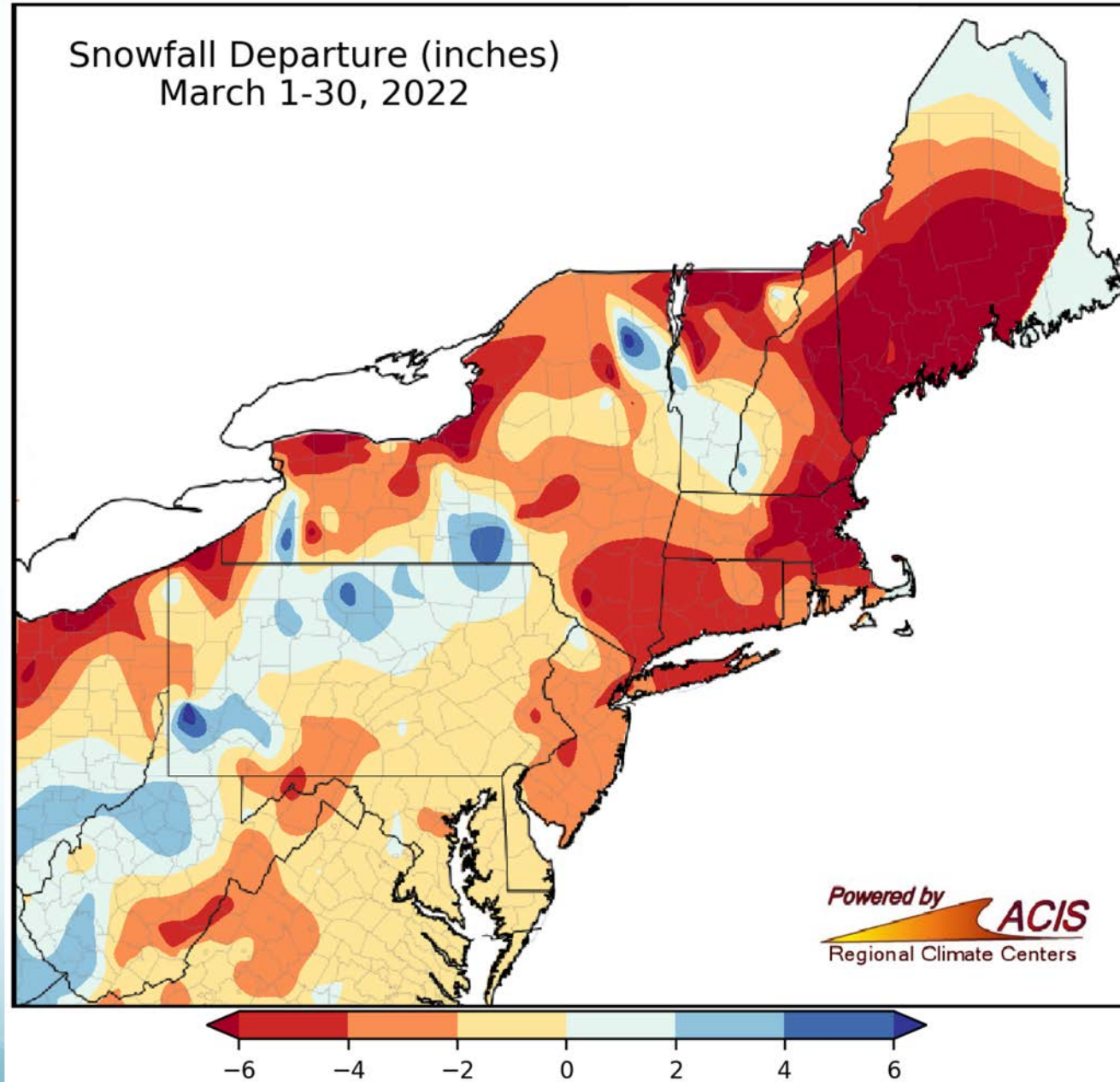
March Precipitation



From 25% of normal to 200% of normal



March Snowfall



From more than 6" below normal to 6" above normal

Drought Monitor

U.S. Drought Monitor Northeast

March 1, 2022
(Released Thursday, Mar. 3, 2022)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	82.27	15.69	1.19	0.85	0.00	0.00
Last Week <small>02-22-2022</small>	82.28	15.69	1.19	0.85	0.00	0.00
3 Months Ago <small>11-30-2021</small>	90.30	7.66	1.19	0.85	0.00	0.00
Start of Calendar Year <small>01-04-2022</small>	84.91	12.92	1.32	0.85	0.00	0.00
Start of Water Year <small>09-29-2021</small>	90.30	6.56	2.35	0.80	0.00	0.00
One Year Ago <small>03-02-2021</small>	81.84	14.26	3.90	0.00	0.00	0.00

Intensity:

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

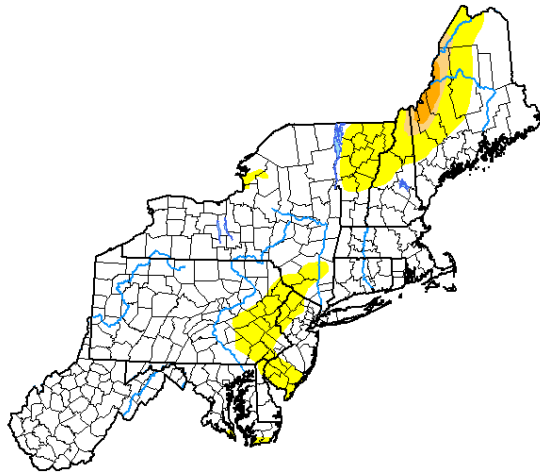
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Rippey
U.S. Department of Agriculture



droughtmonitor.unl.edu



U.S. Drought Monitor Northeast

March 29, 2022
(Released Thursday, Mar. 31, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	71.90	24.96	2.46	0.67	0.00	0.00
Last Week <small>03-22-2022</small>	70.79	26.08	2.46	0.67	0.00	0.00
3 Months Ago <small>12-28-2021</small>	77.53	19.05	2.57	0.85	0.00	0.00
Start of Calendar Year <small>01-04-2022</small>	84.91	12.92	1.32	0.85	0.00	0.00
Start of Water Year <small>09-29-2021</small>	90.30	6.56	2.35	0.80	0.00	0.00
One Year Ago <small>03-30-2021</small>	62.96	28.35	8.69	0.00	0.00	0.00

Intensity:

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

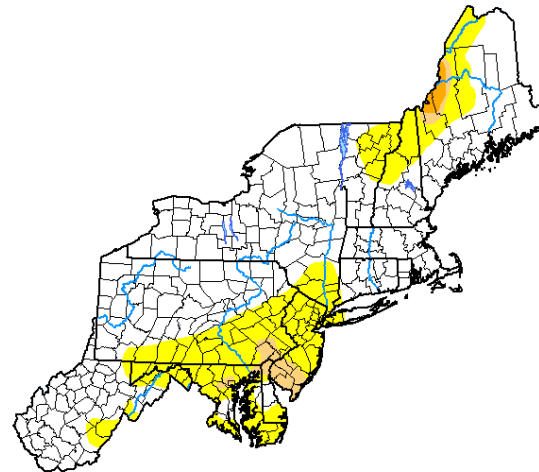
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

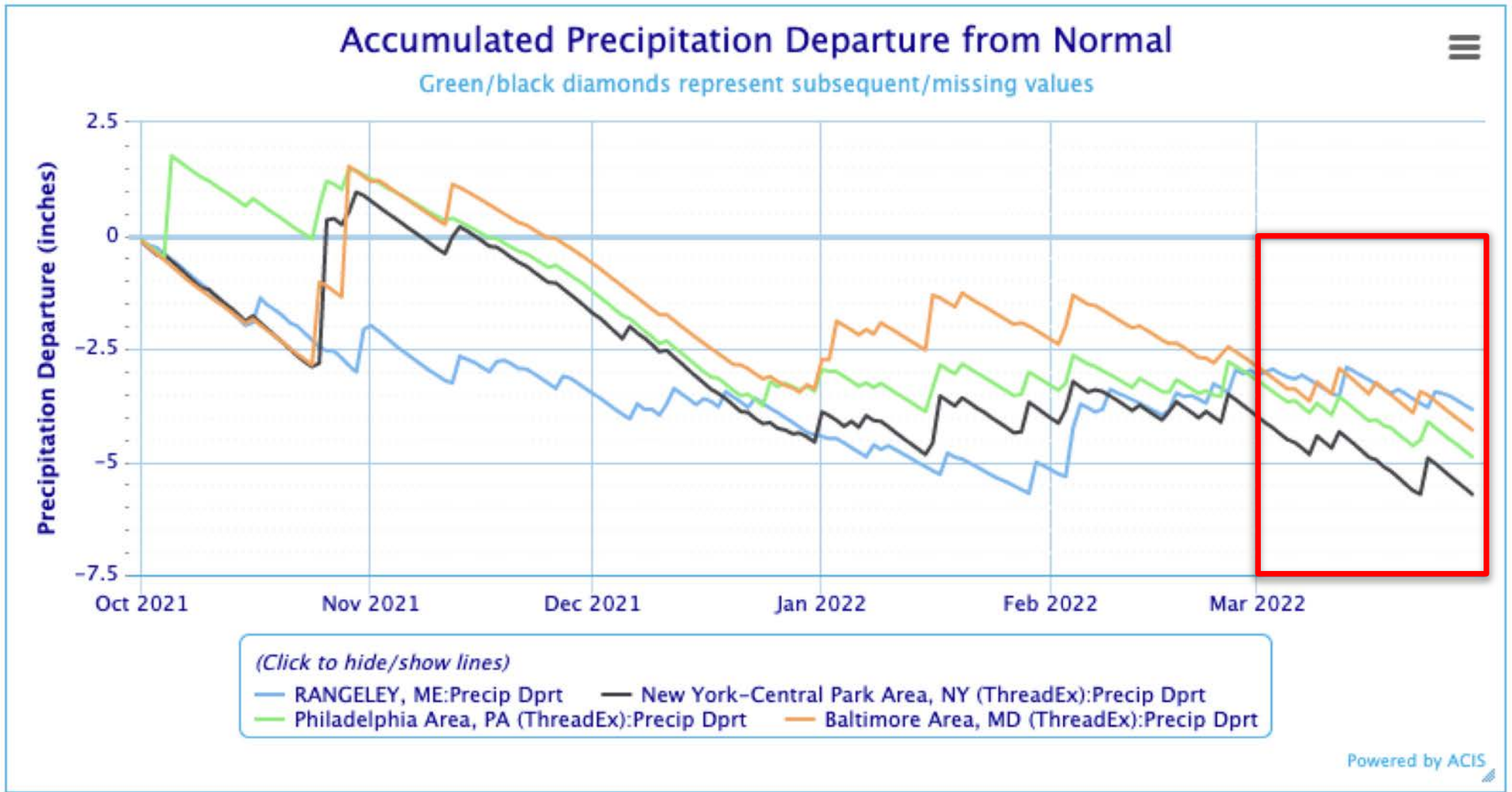
Deborah Bathke
National Drought Mitigation Center



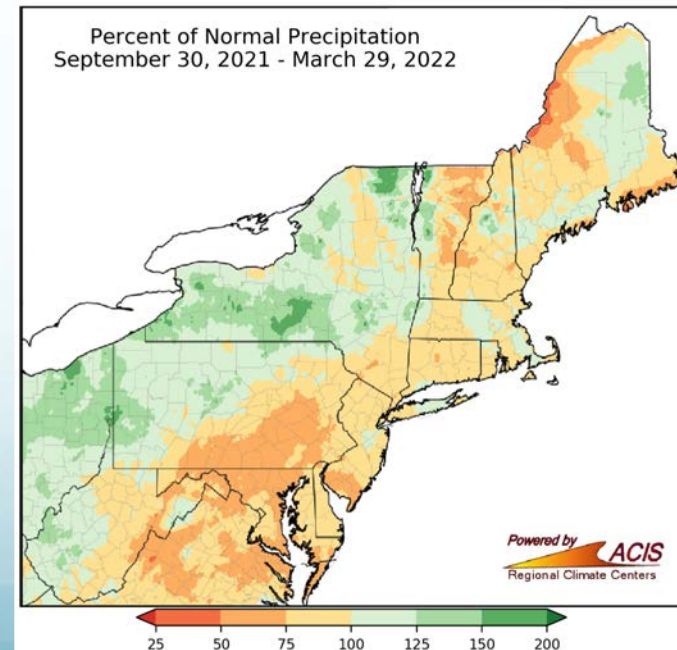
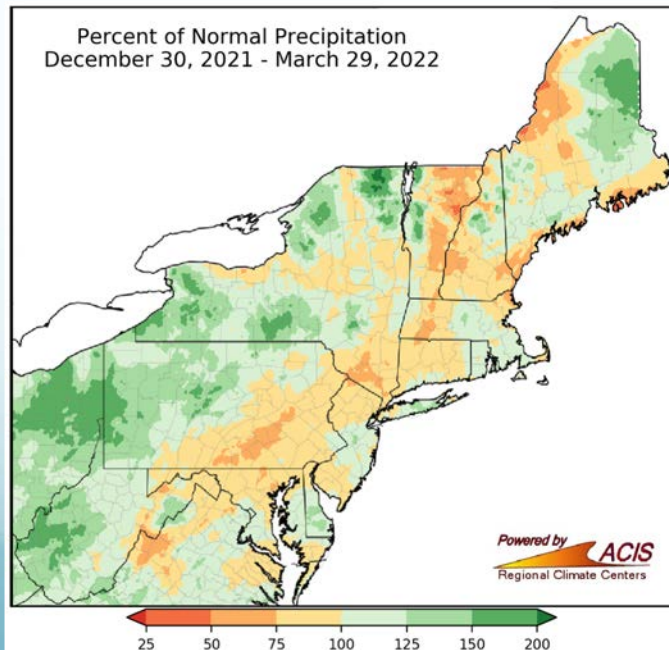
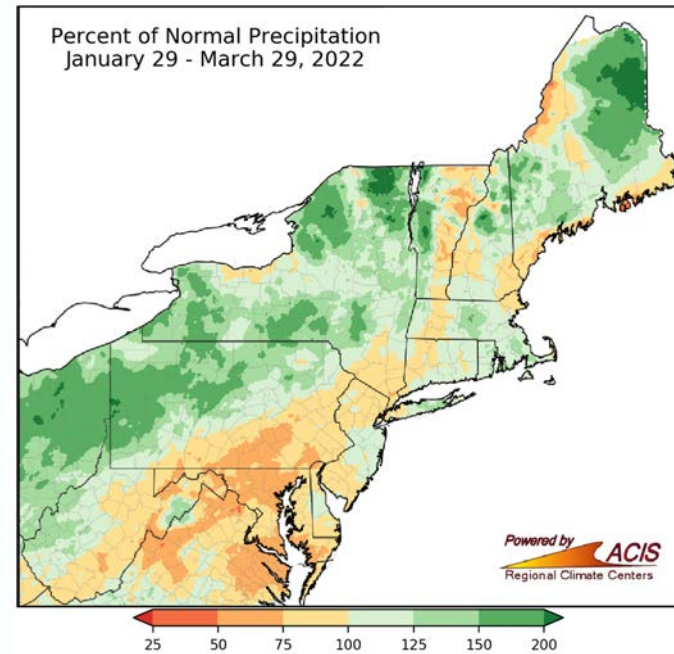
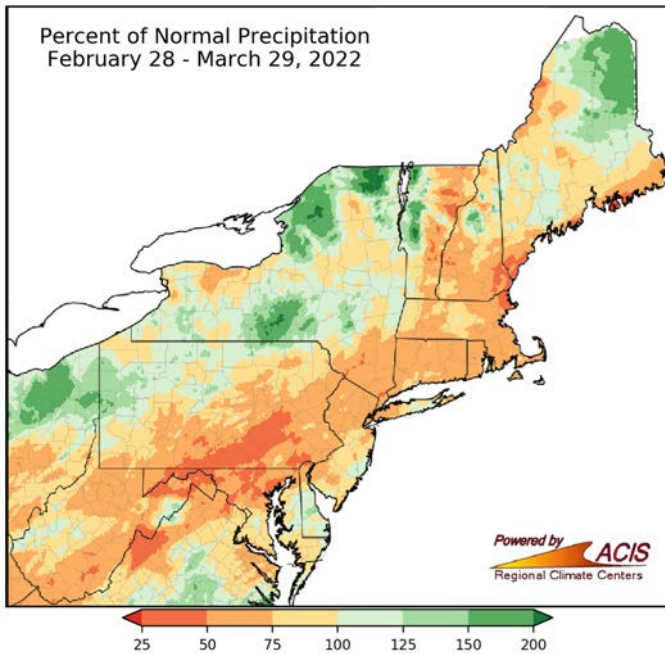
droughtmonitor.unl.edu



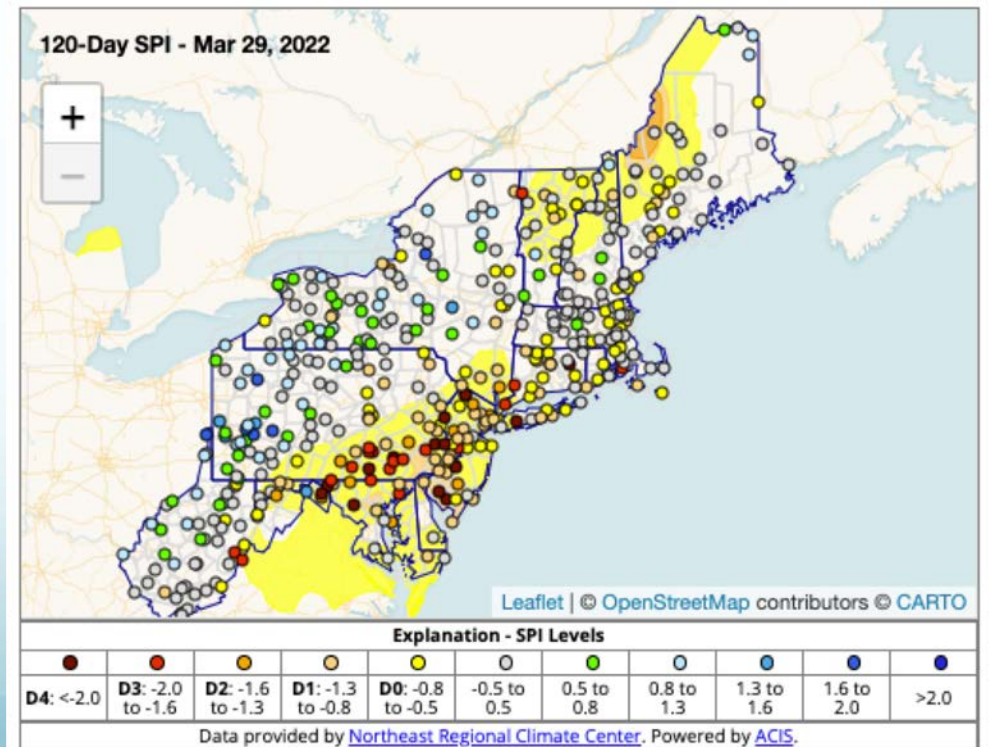
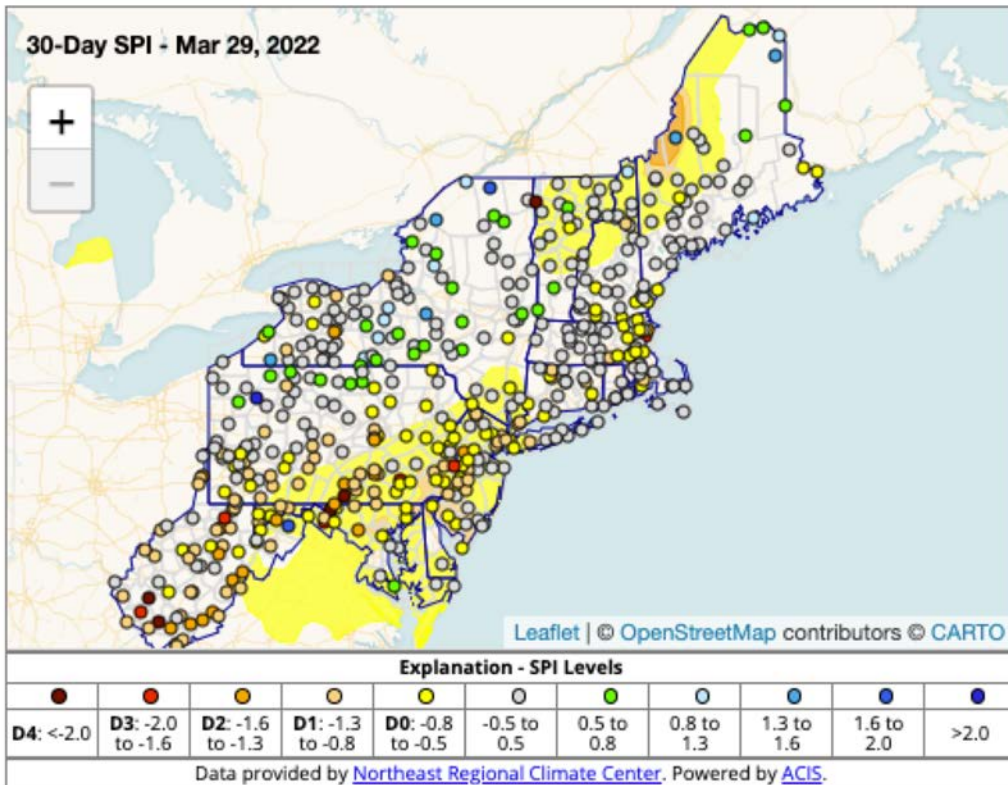
Precipitation



Precipitation

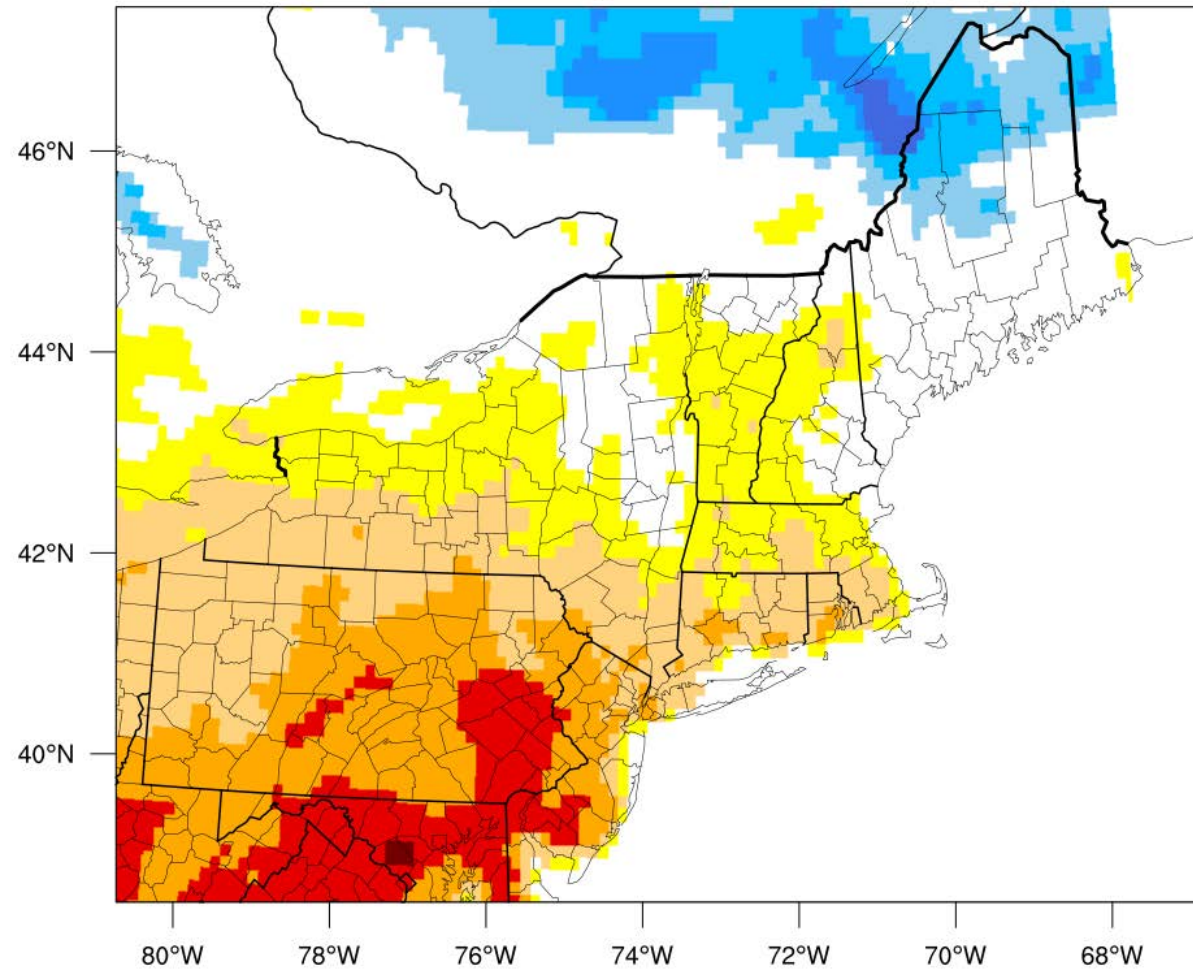


Standardized Precipitation Index



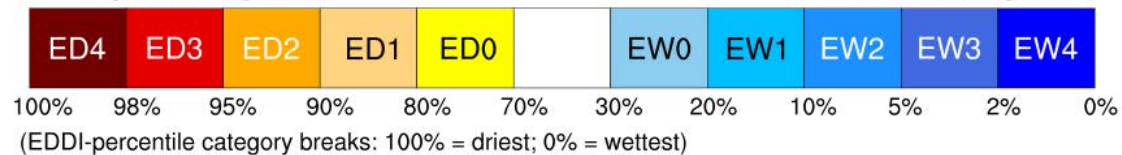
Evap. Demand Drought Index

3-week EDDI categories for March 23, 2022



Drought categories

Wetness categories

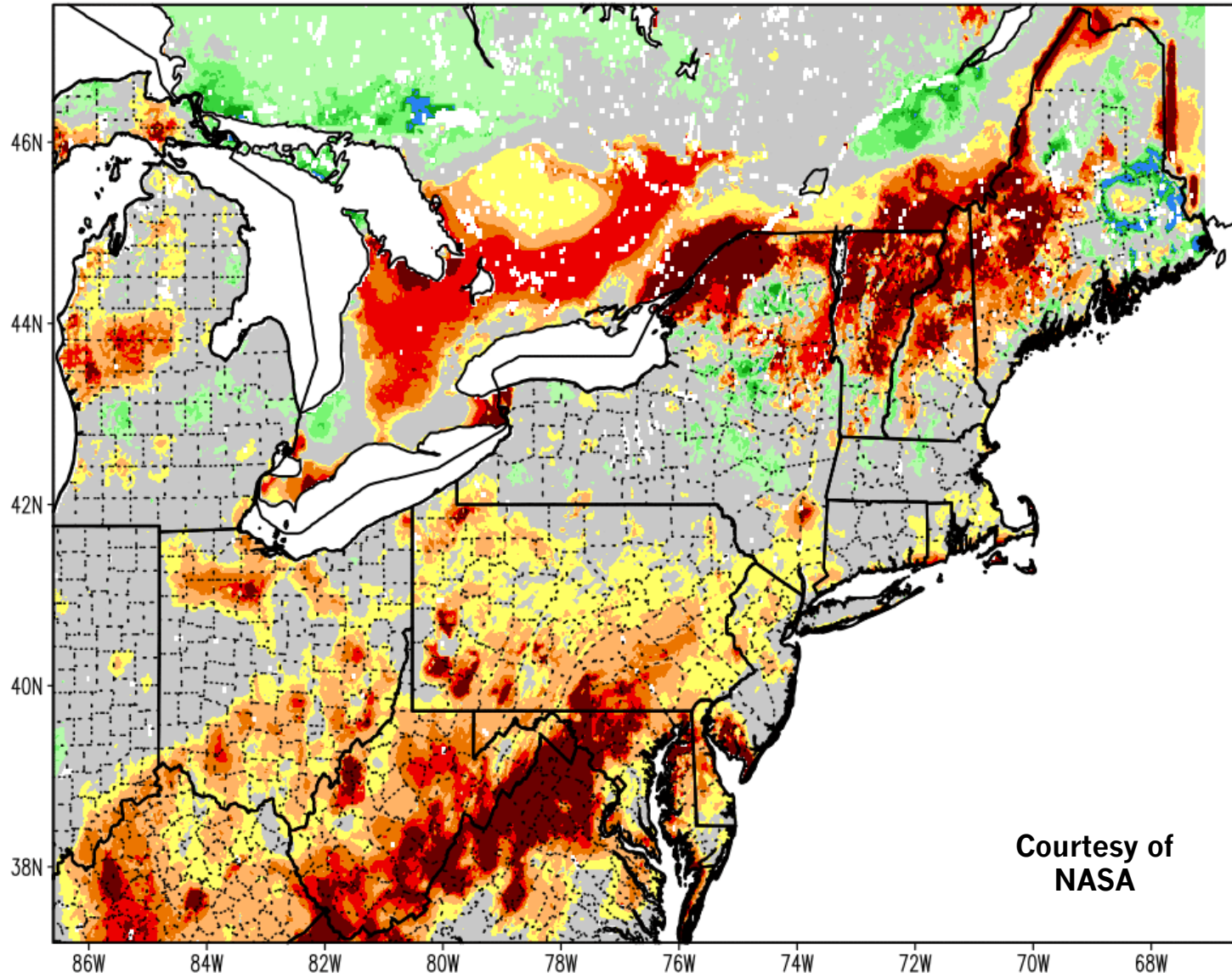


Generated by NOAA/ESRL/Physical Sciences Laboratory

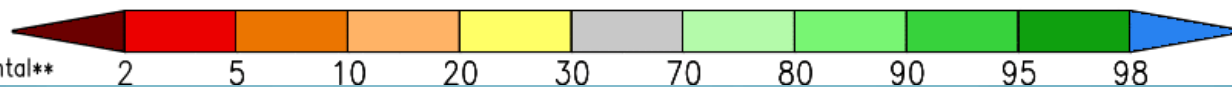


Soil Moisture

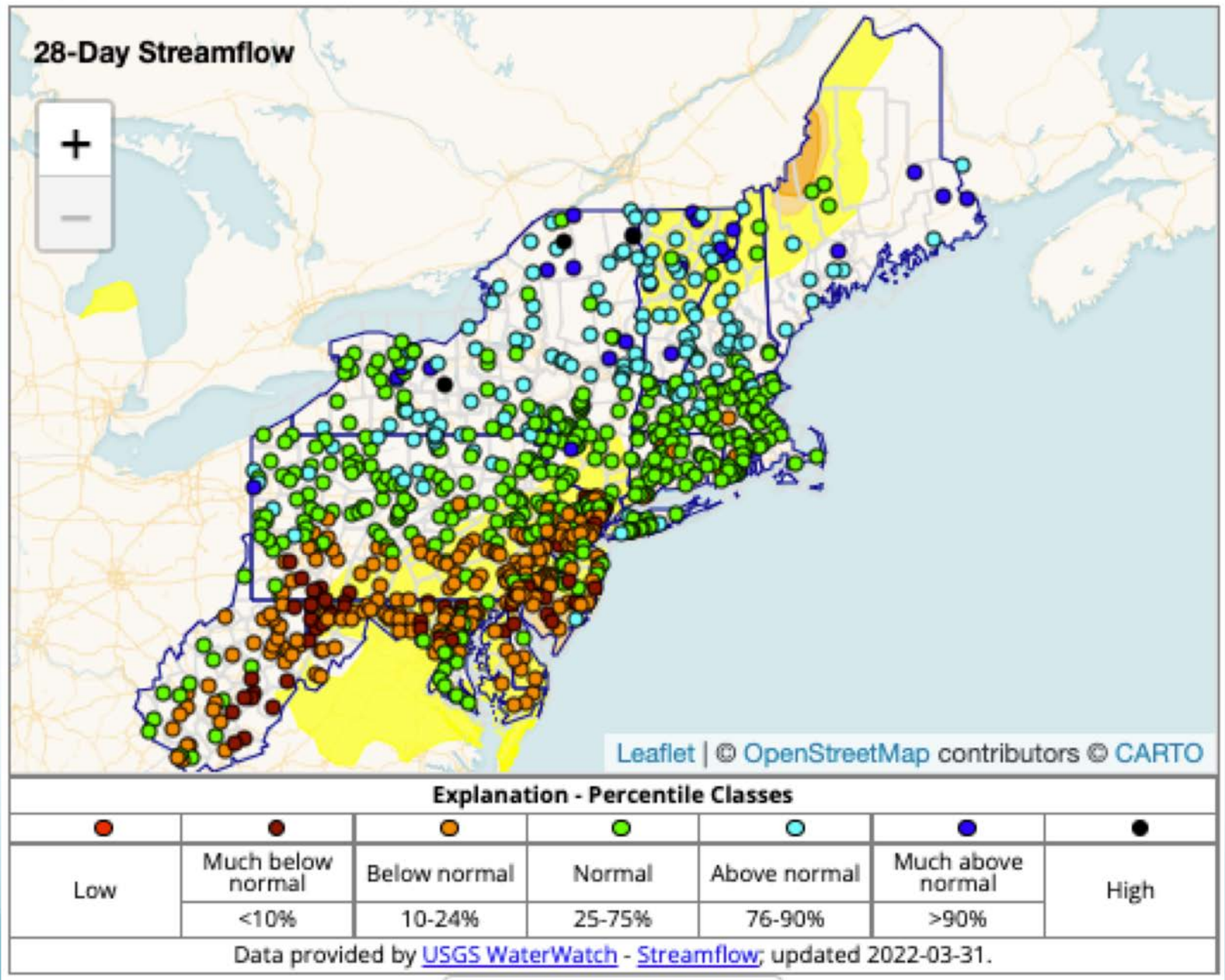
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 31 Mar 2022



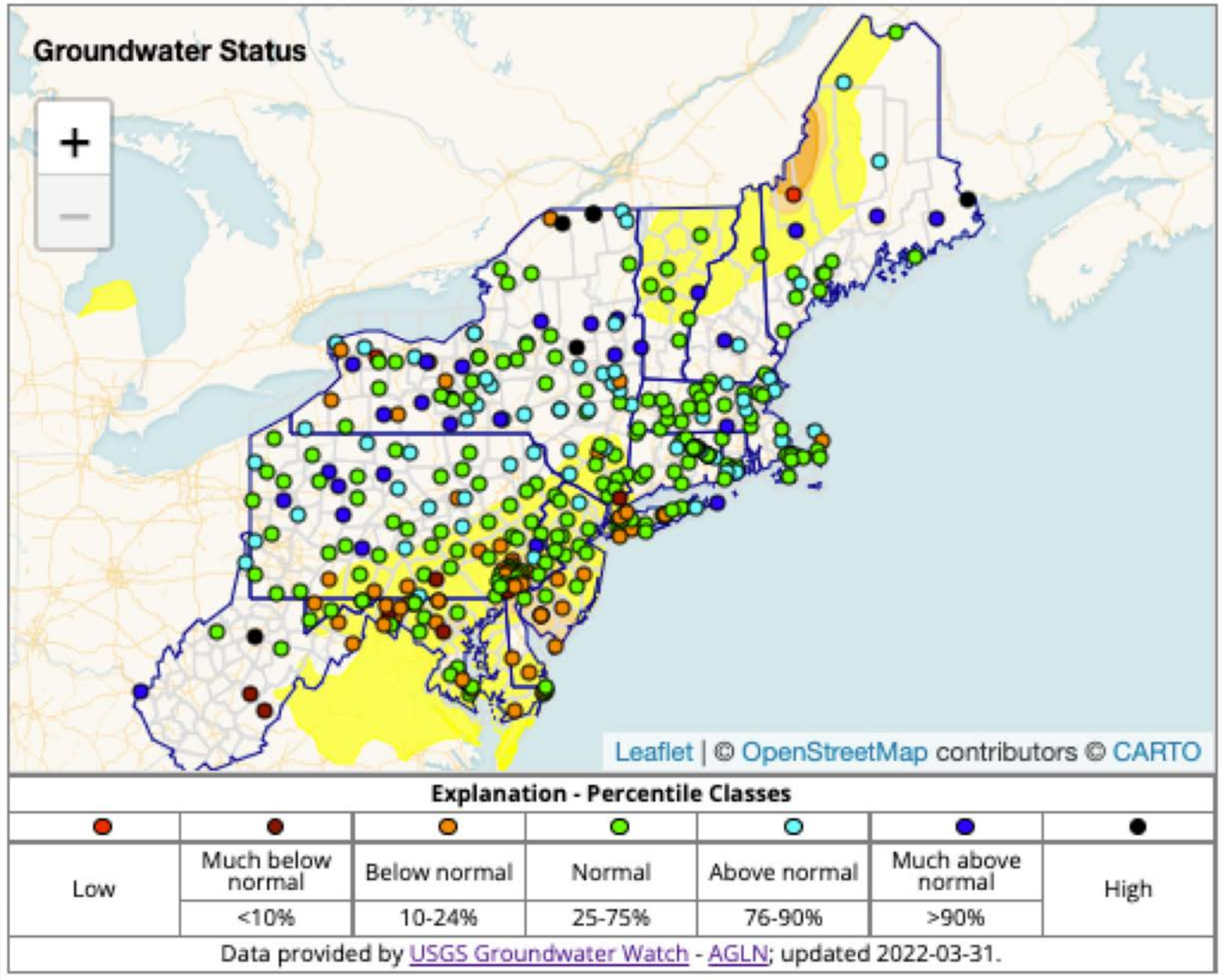
****NOTE****
****Experimental****



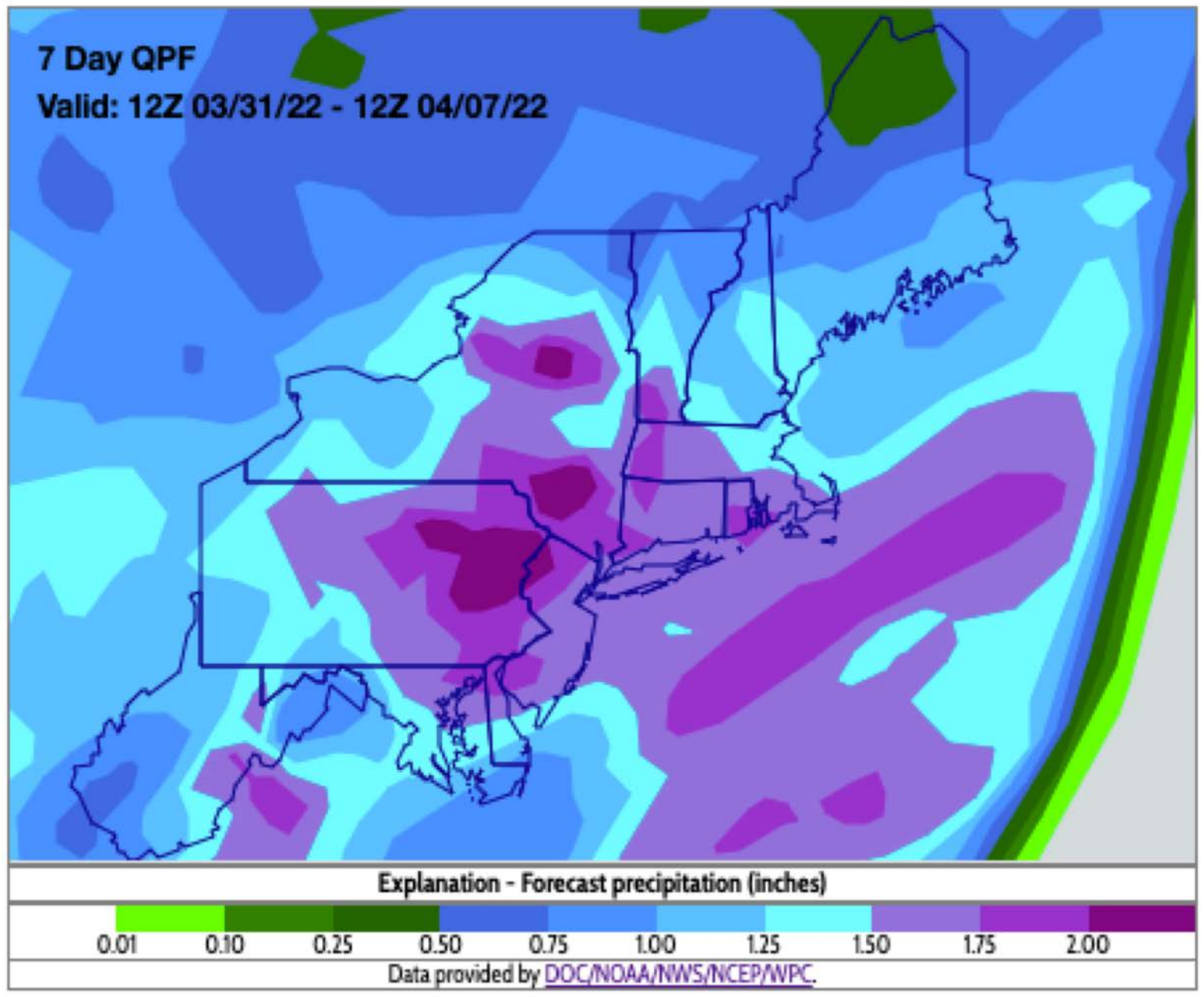
Streamflow



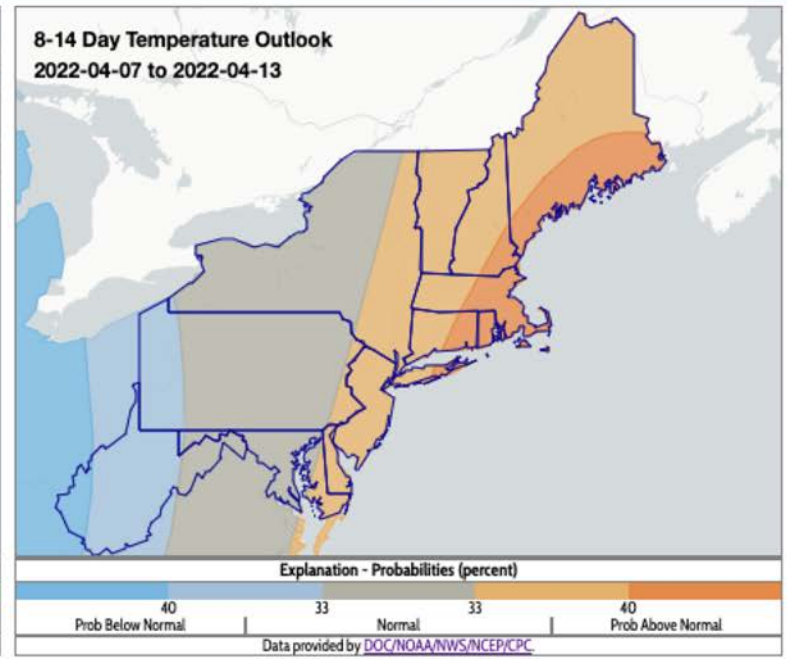
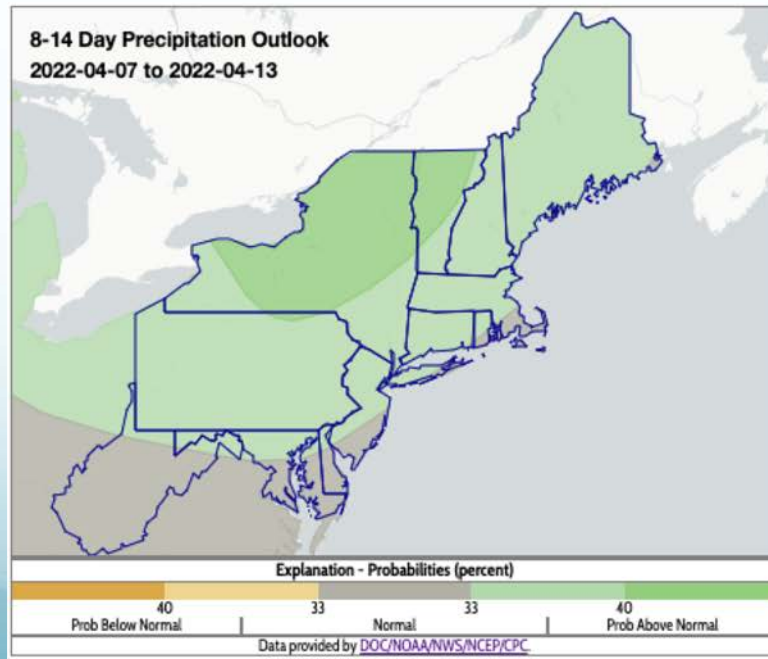
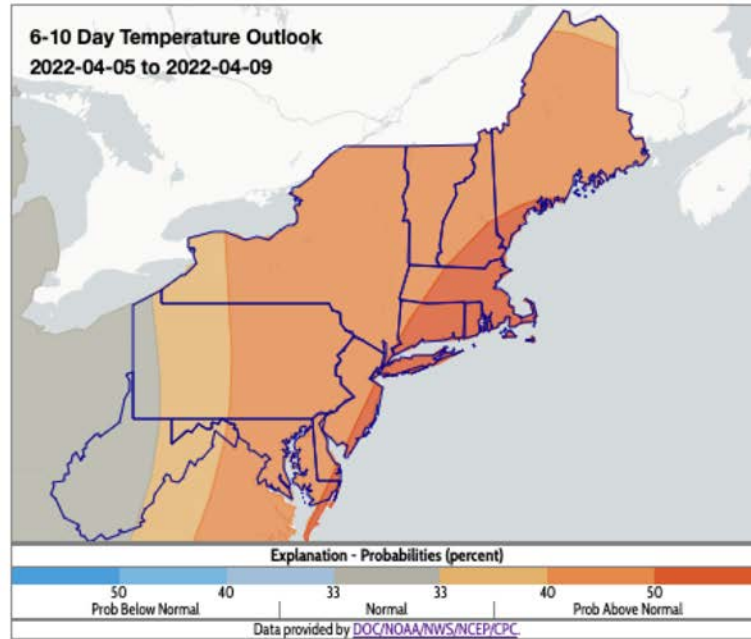
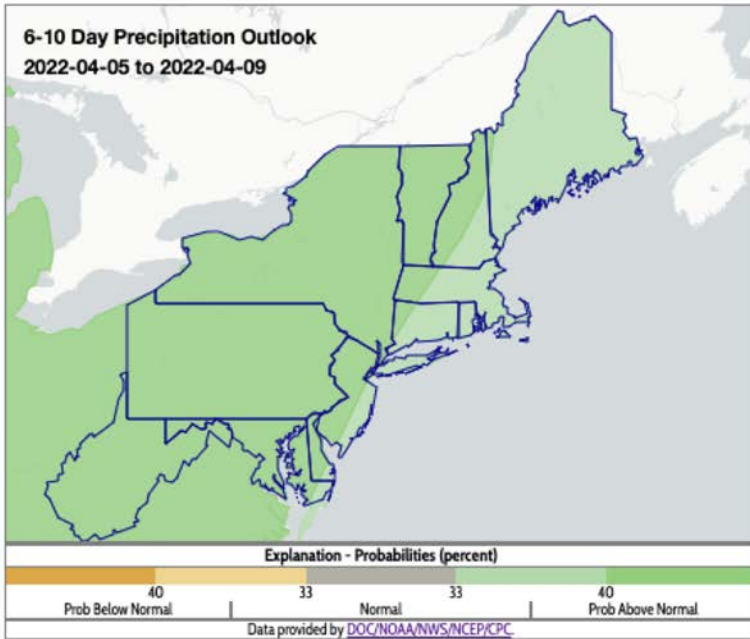
Groundwater



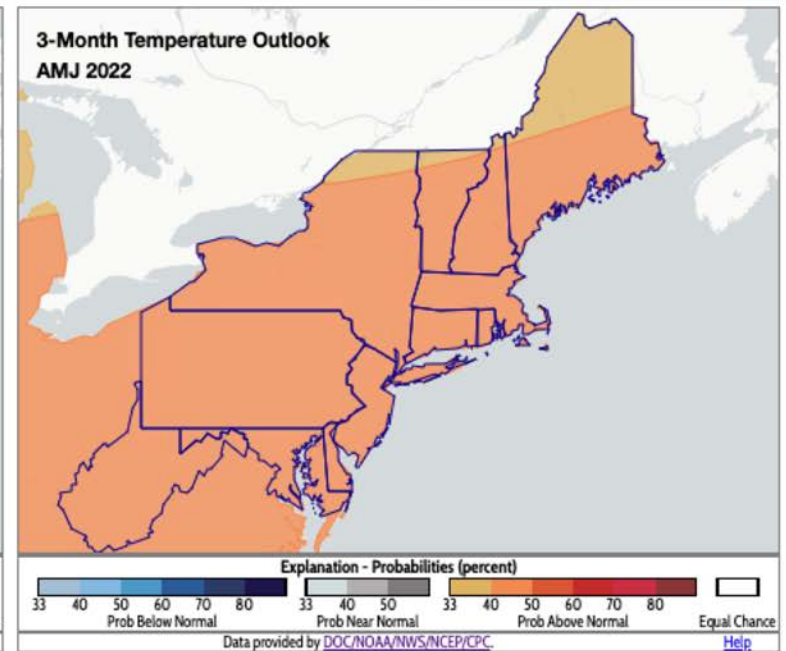
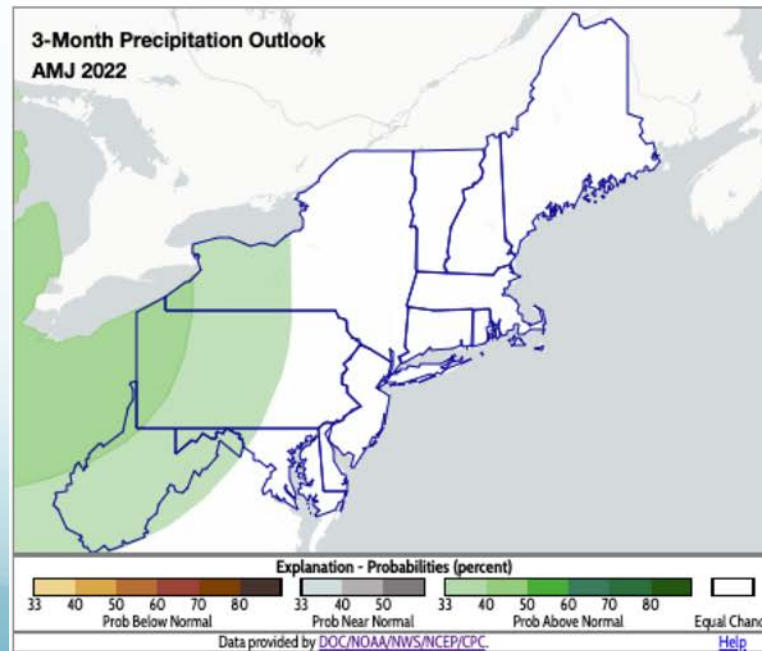
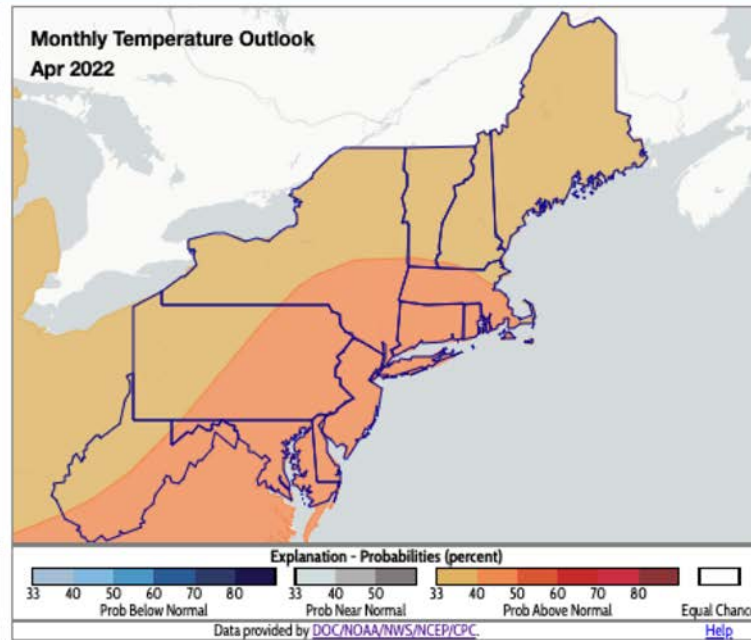
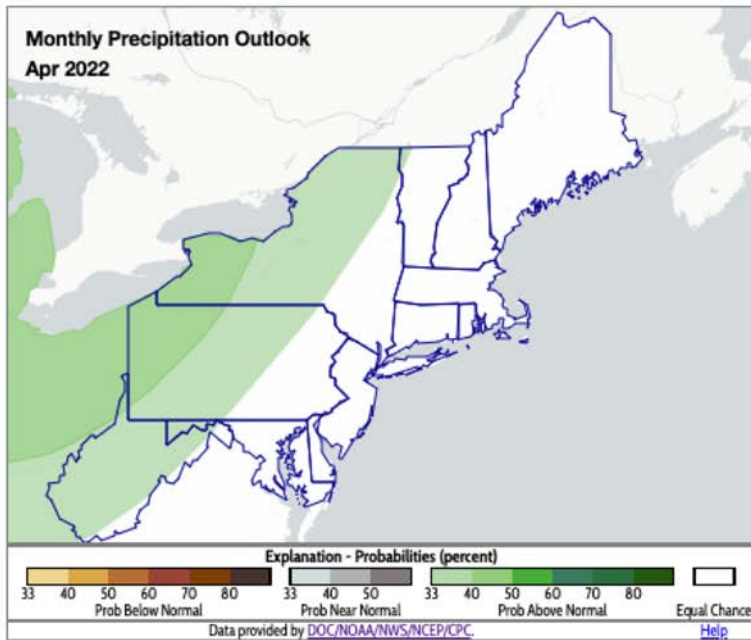
Precipitation Forecast



Short-term Outlooks



Monthly & 3-Month Outlooks



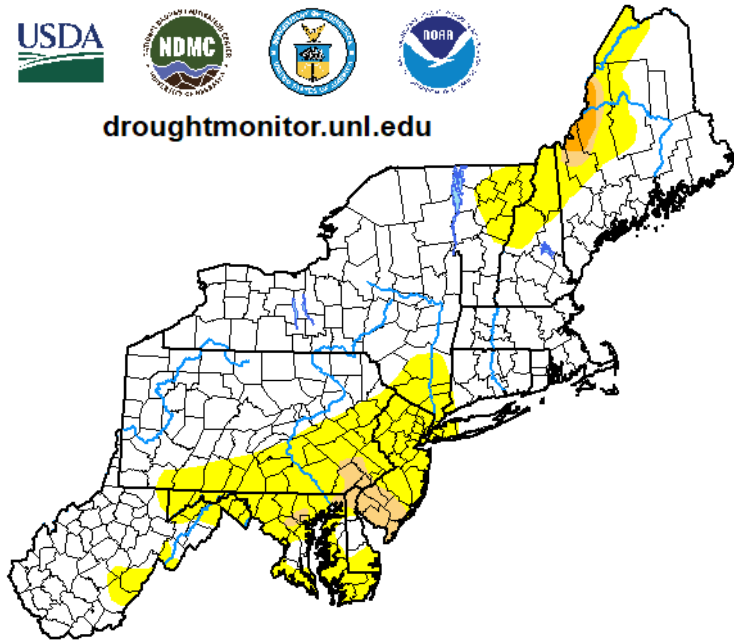
Summary

March-to-date conditions:

- Above-normal temperatures
- Below- or near-normal precipitation/snowfall in many areas



droughtmonitor.unl.edu



Drought:

- Northern New England:
 - Some improvement due to timely precipitation and improving streamflow and groundwater levels
- Southern parts of the Northeast:
 - Conditions deteriorated in some areas due to below-normal precipitation, declining streamflow and soil moisture, and below-normal groundwater levels

Outlooks:

- Next seven days – thunderstorms today and storm mid next week
- Short-term outlooks – near- or above-normal precipitation and near- or above-normal temperatures for most areas
- Month/three-month outlooks call for above-normal precipitation in western areas and above-normal temperatures for the whole region



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, April 28 at 9:30am
 - NE U.S. Precip Trends and Links w/ Drought
- Tuesday, May 31 at 9:30am
 - Heat, health, and drought



www.nrcc.cornell.edu