

# March Review & Northeast DEWS Discussion

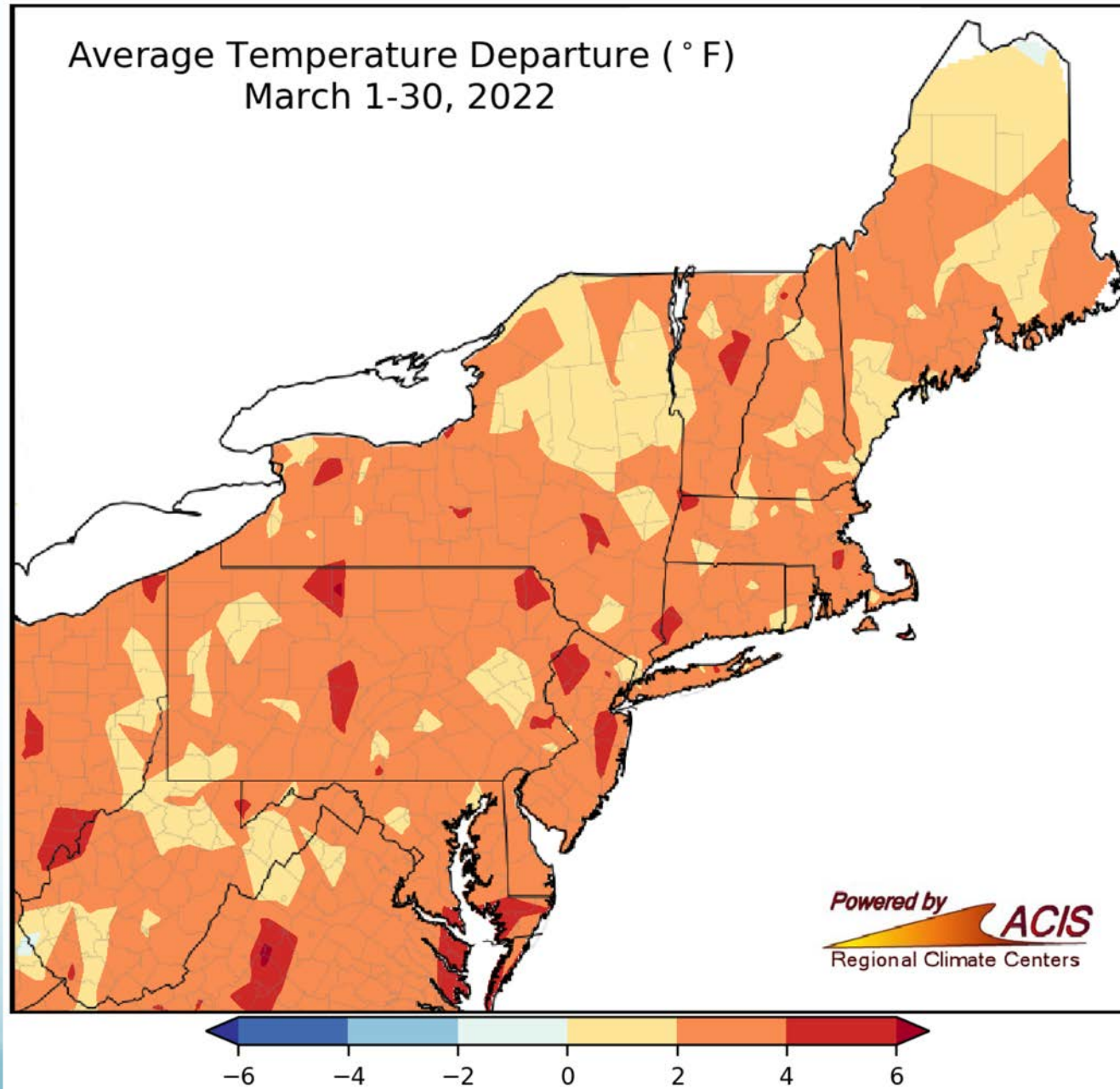
By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center



Northeast Regional  
Climate Center



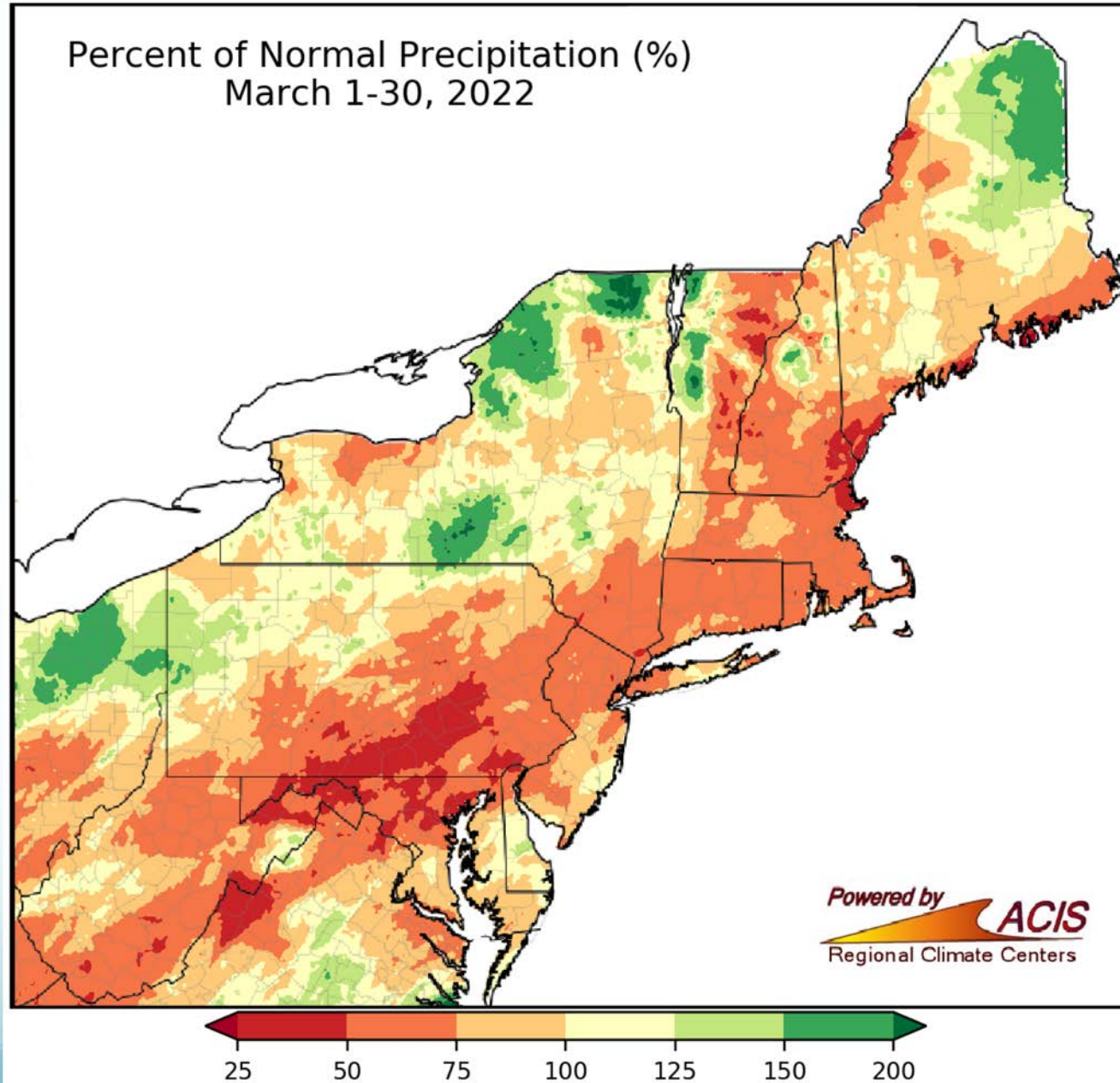
# March Temperatures



From near normal to 6°F above normal



# March Precipitation

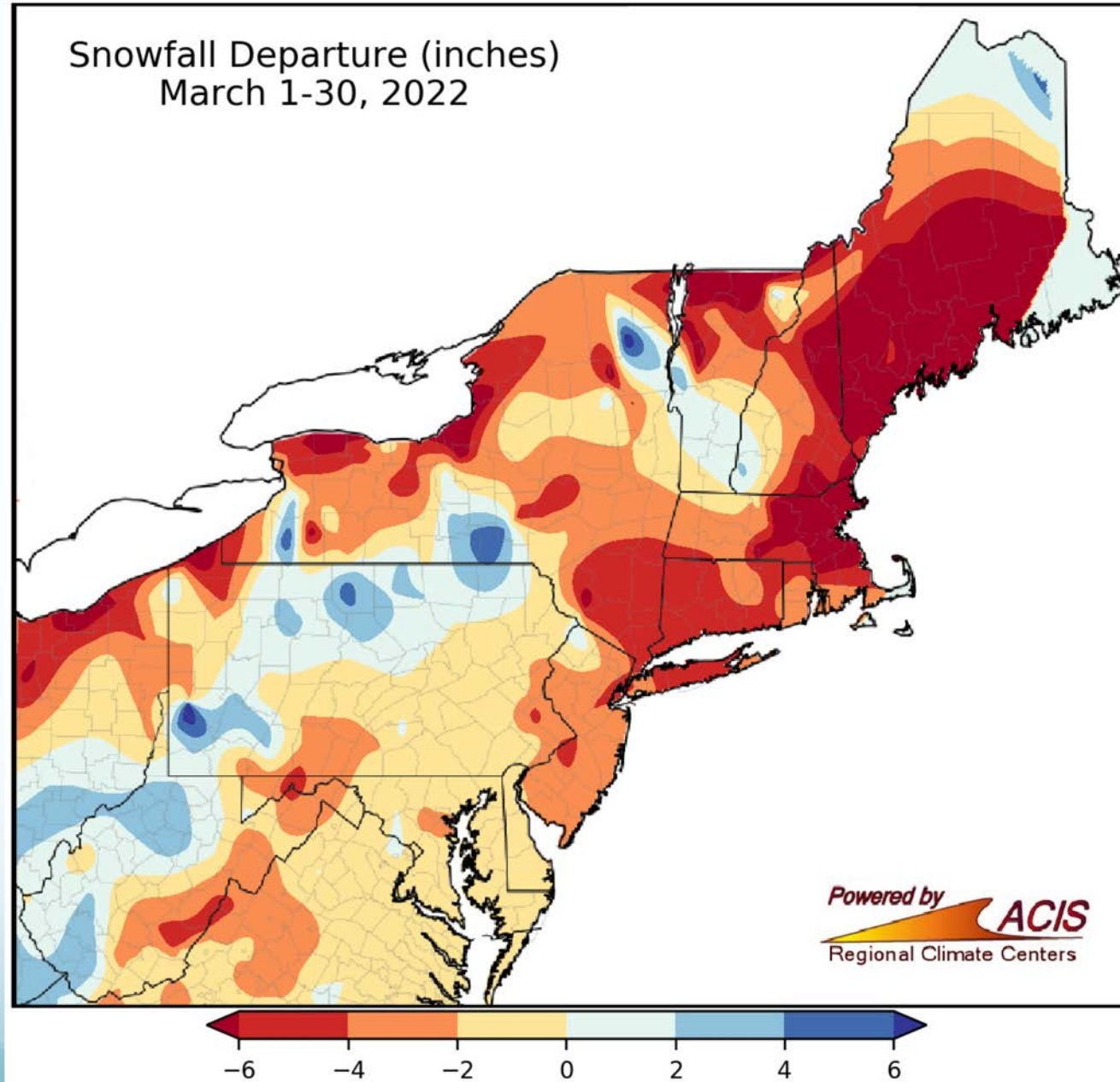


From 25% of normal to 200% of normal





# 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
<b>Current</b>	82.27	15.69	1.19	0.85	0.00	0.00
<b>Last Week</b> <small>02-22-2022</small>	82.28	15.69	1.19	0.85	0.00	0.00
<b>3 Months Ago</b> <small>11-30-2021</small>	90.30	7.66	1.19	0.85	0.00	0.00
<b>Start of Calendar Year</b> <small>01-04-2022</small>	84.91	12.92	1.32	0.85	0.00	0.00
<b>Start of Water Year</b> <small>09-29-2021</small>	90.30	6.56	2.35	0.80	0.00	0.00
<b>One Year Ago</b> <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

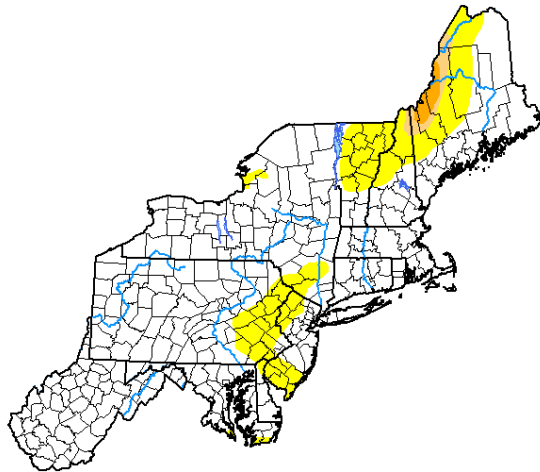
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Rippey  
U.S. Department of Agriculture



[droughtmonitor.unl.edu](https://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
<b>Current</b>	71.90	24.96	2.46	0.67	0.00	0.00
<b>Last Week</b> <small>03-22-2022</small>	70.79	26.08	2.46	0.67	0.00	0.00
<b>3 Months Ago</b> <small>12-28-2021</small>	77.53	19.05	2.57	0.85	0.00	0.00
<b>Start of Calendar Year</b> <small>01-04-2022</small>	84.91	12.92	1.32	0.85	0.00	0.00
<b>Start of Water Year</b> <small>09-29-2021</small>	90.30	6.56	2.35	0.80	0.00	0.00
<b>One Year Ago</b> <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

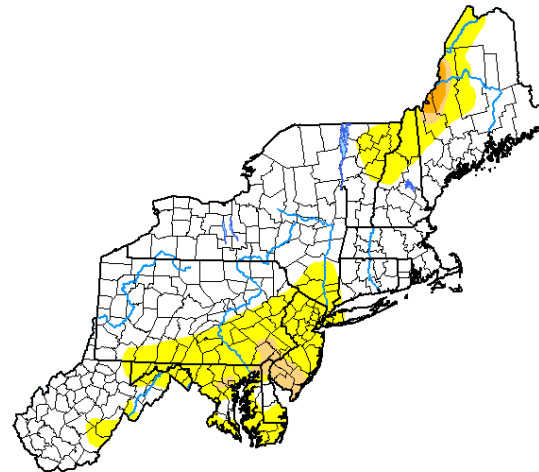
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Author:

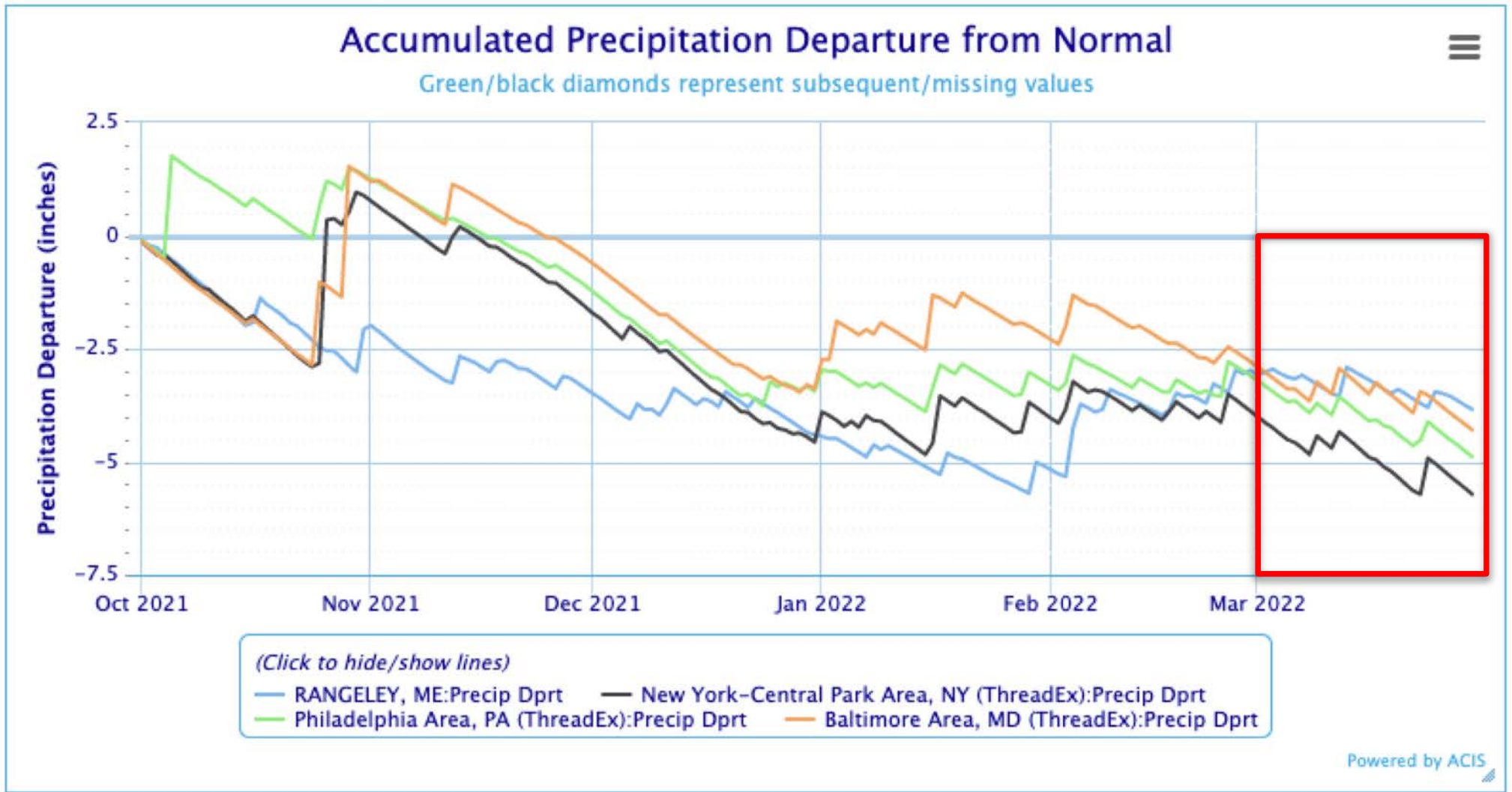
Deborah Bathke  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

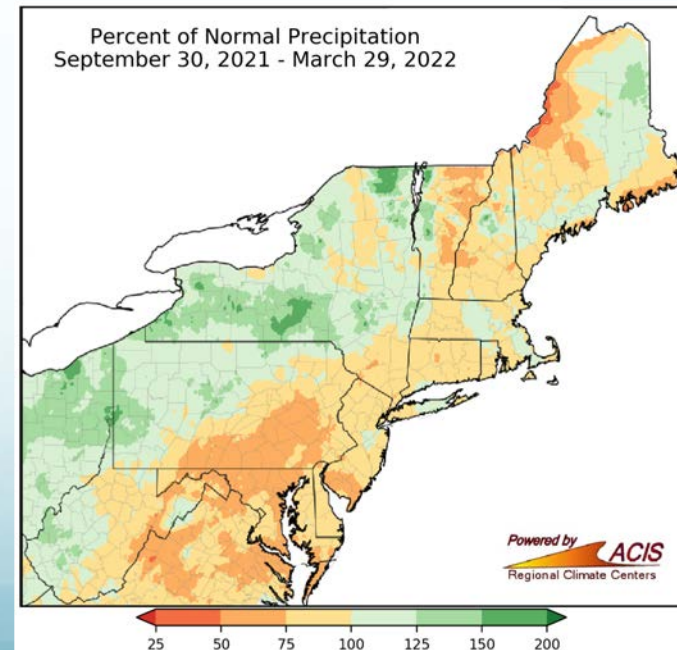
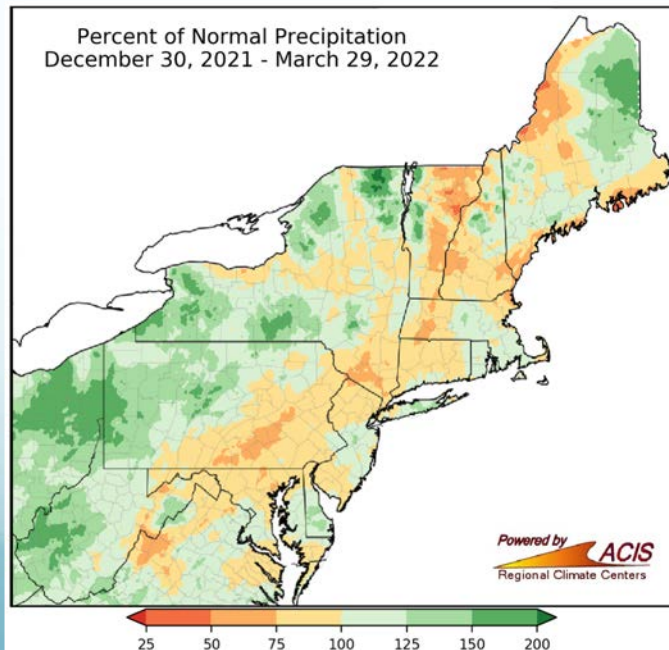
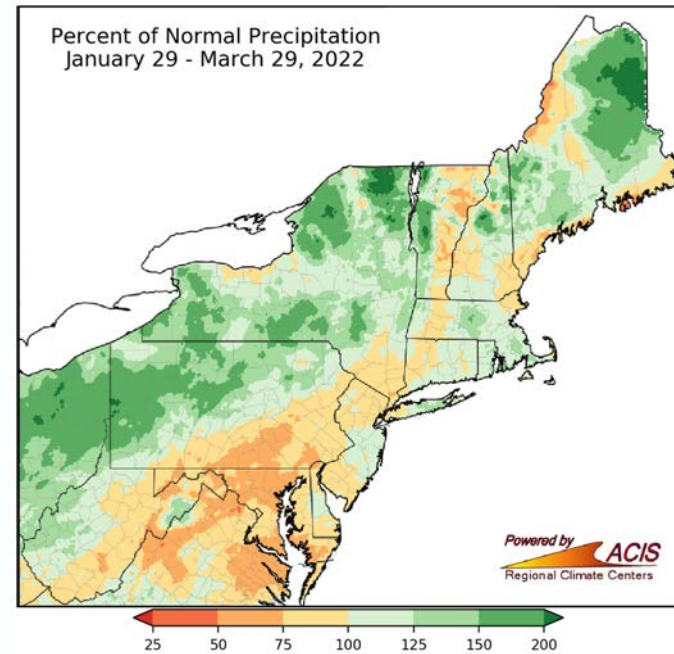
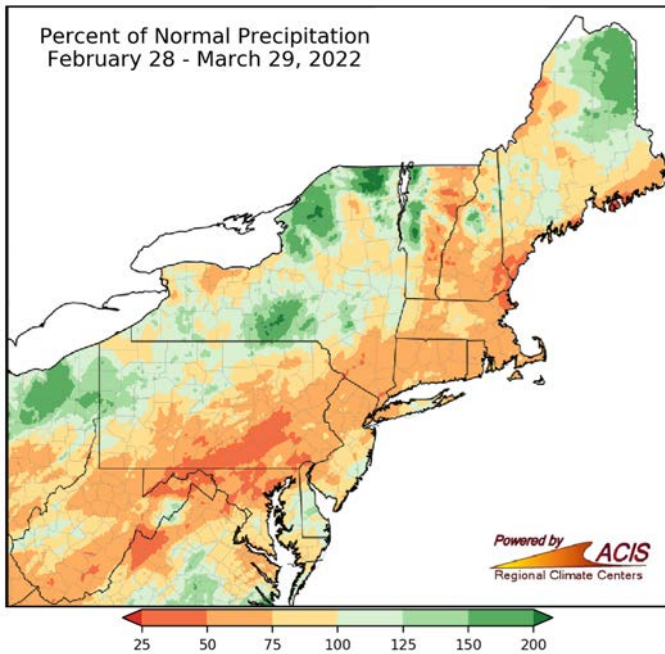


# Precipitation

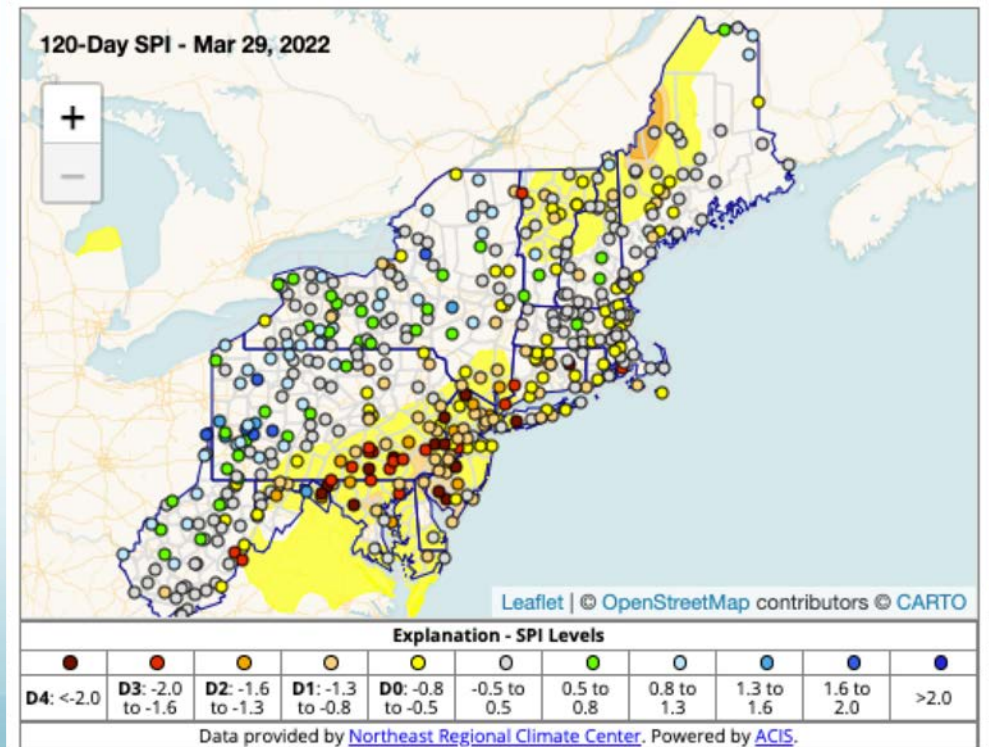
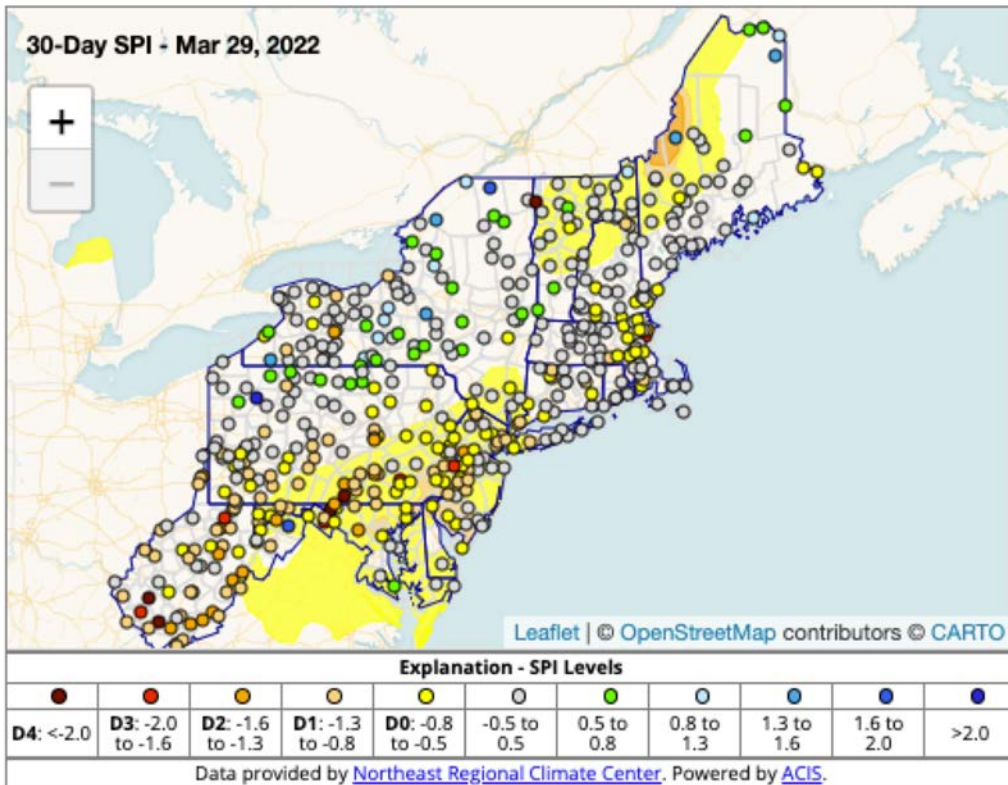




# Precipitation



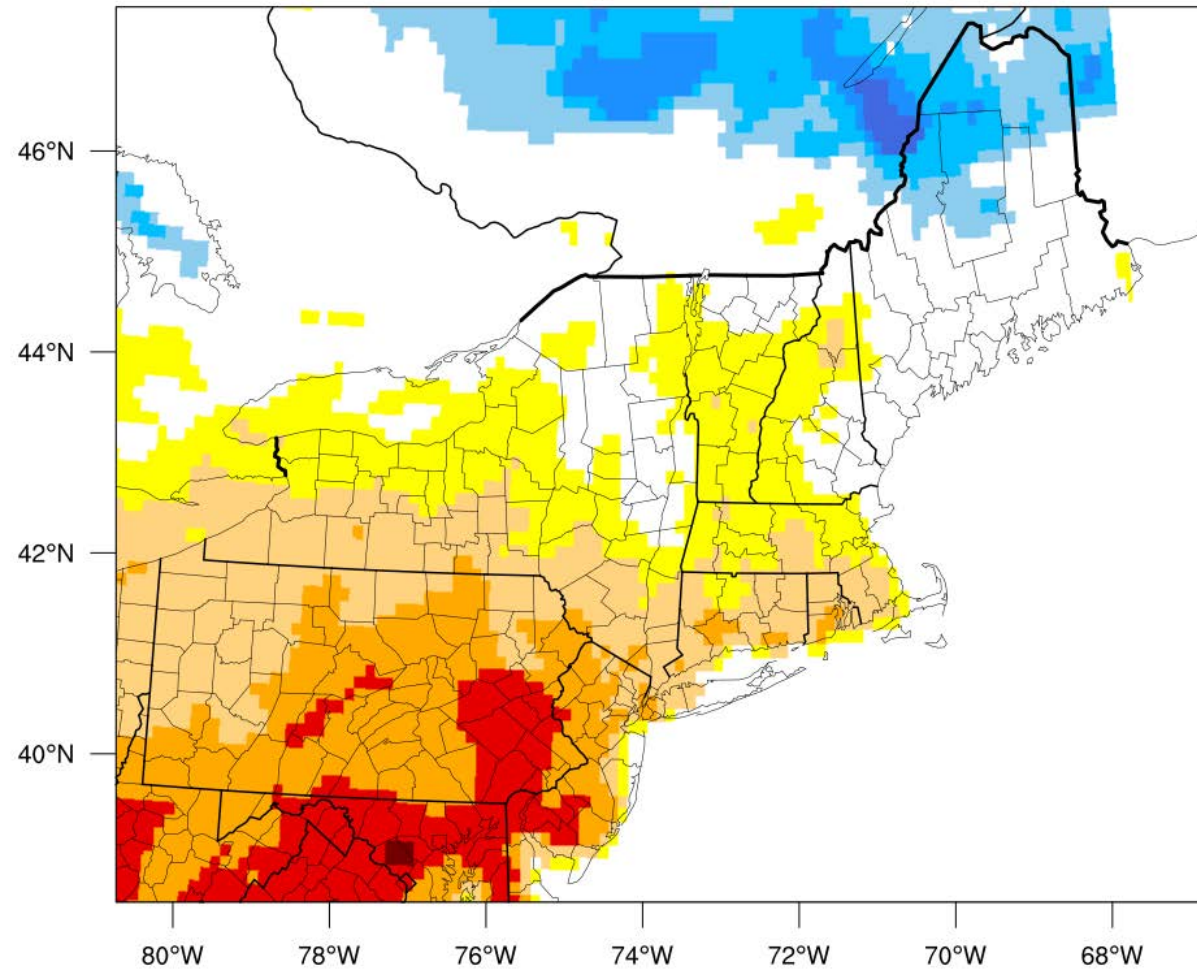
# Standardized Precipitation Index





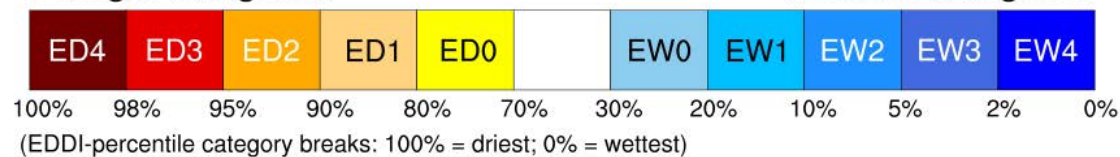
# Evap. Demand Drought Index

3-week EDDI categories for March 23, 2022



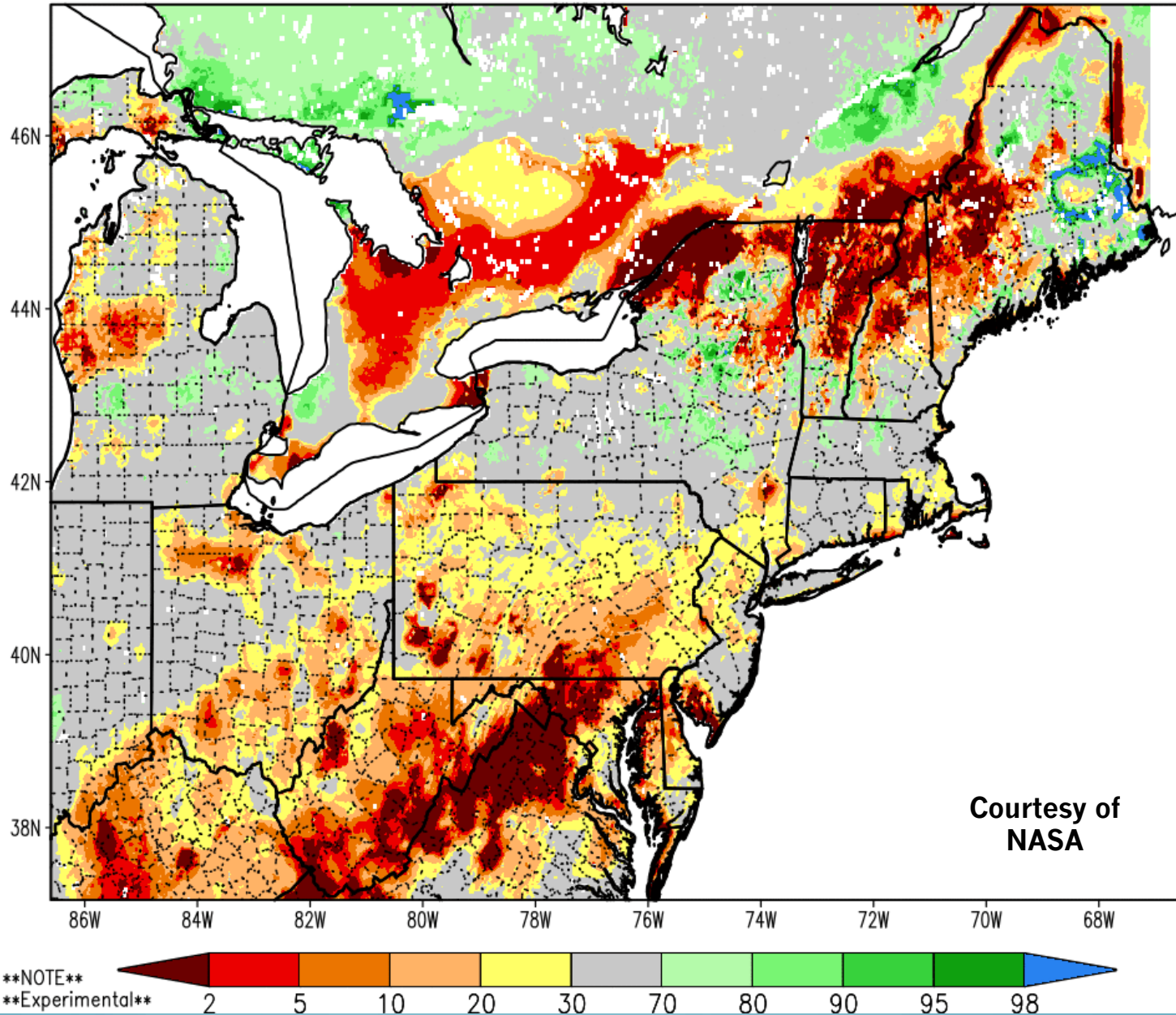
Drought categories

Wetness categories



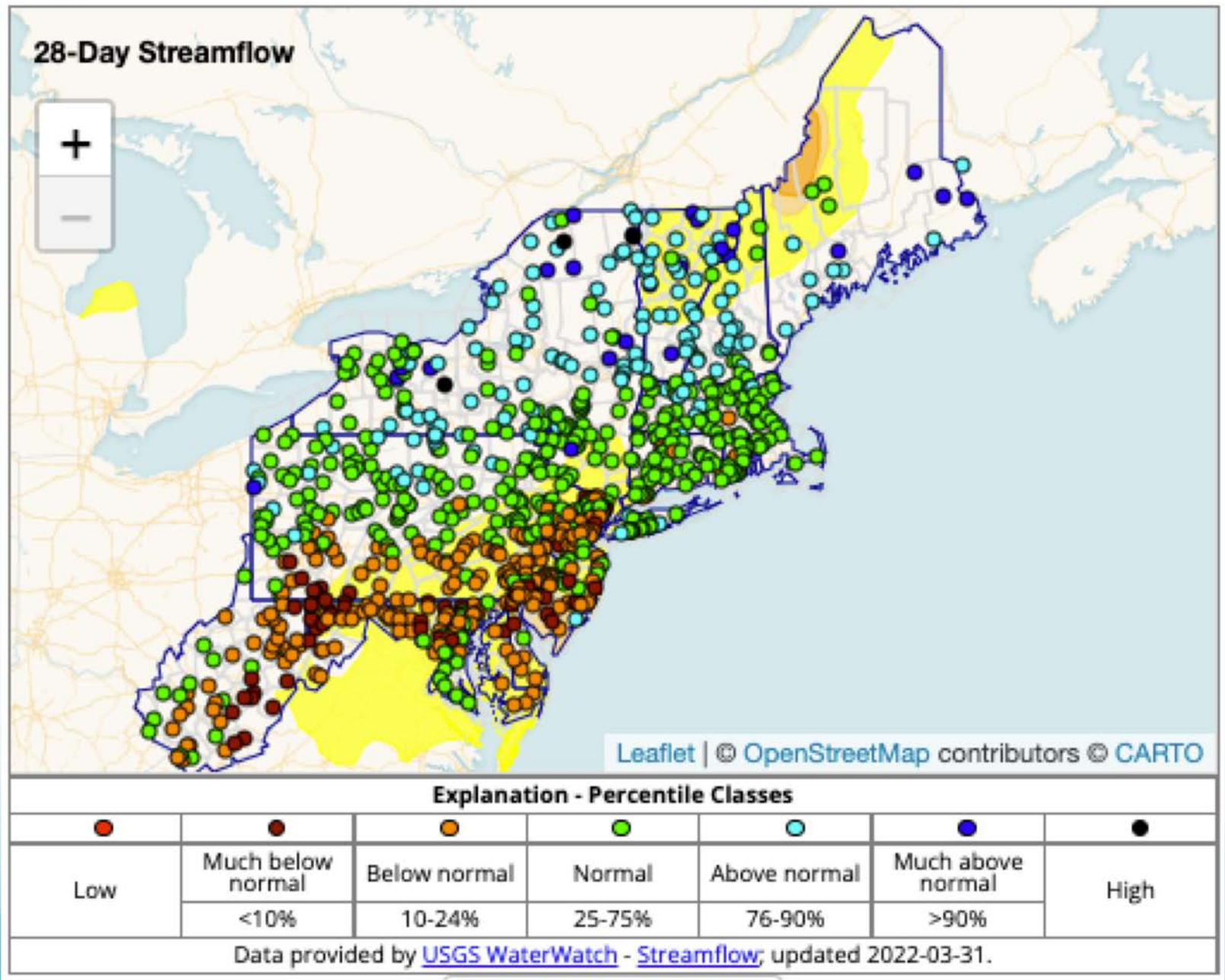
# Soil Moisture

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



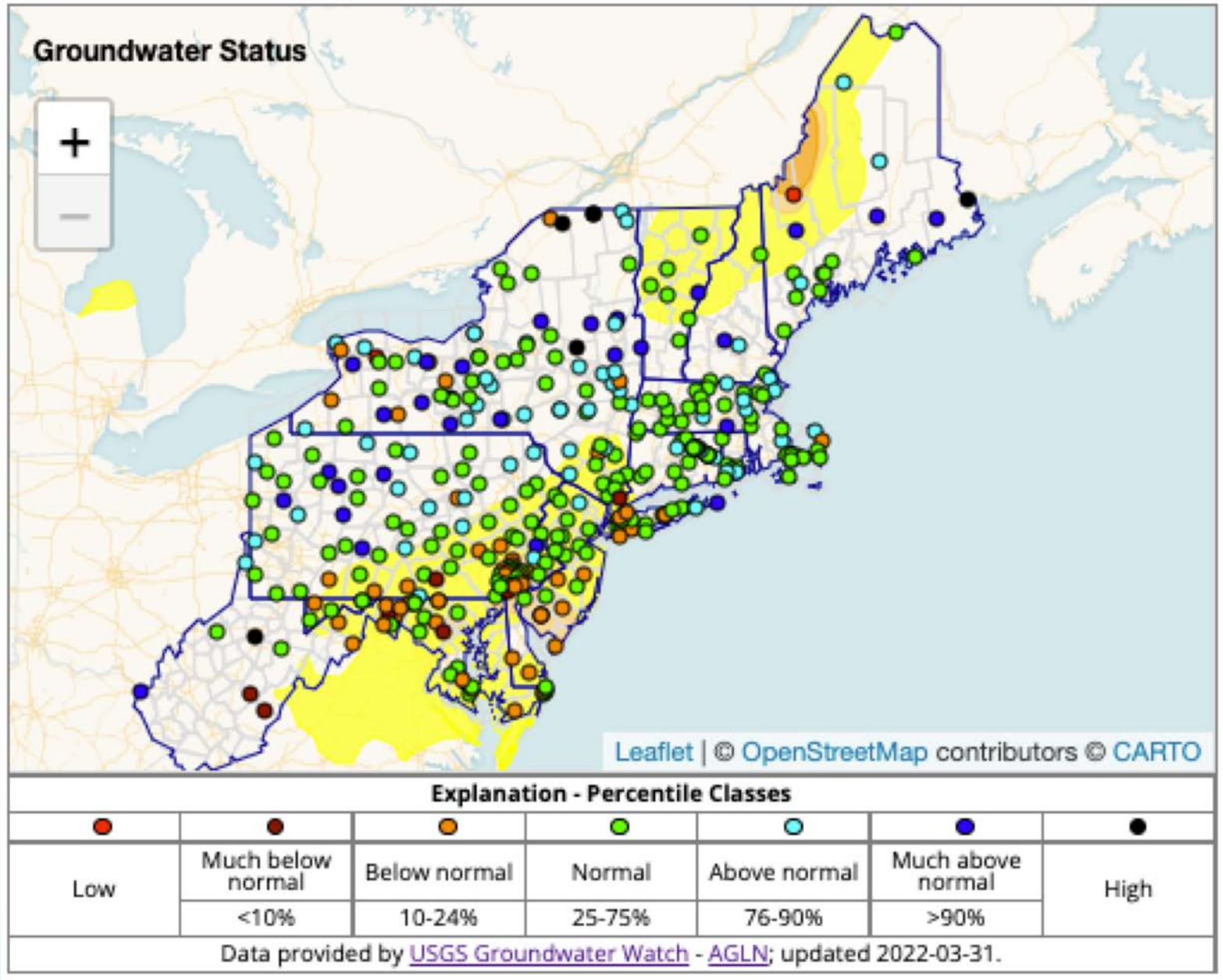


# Streamflow

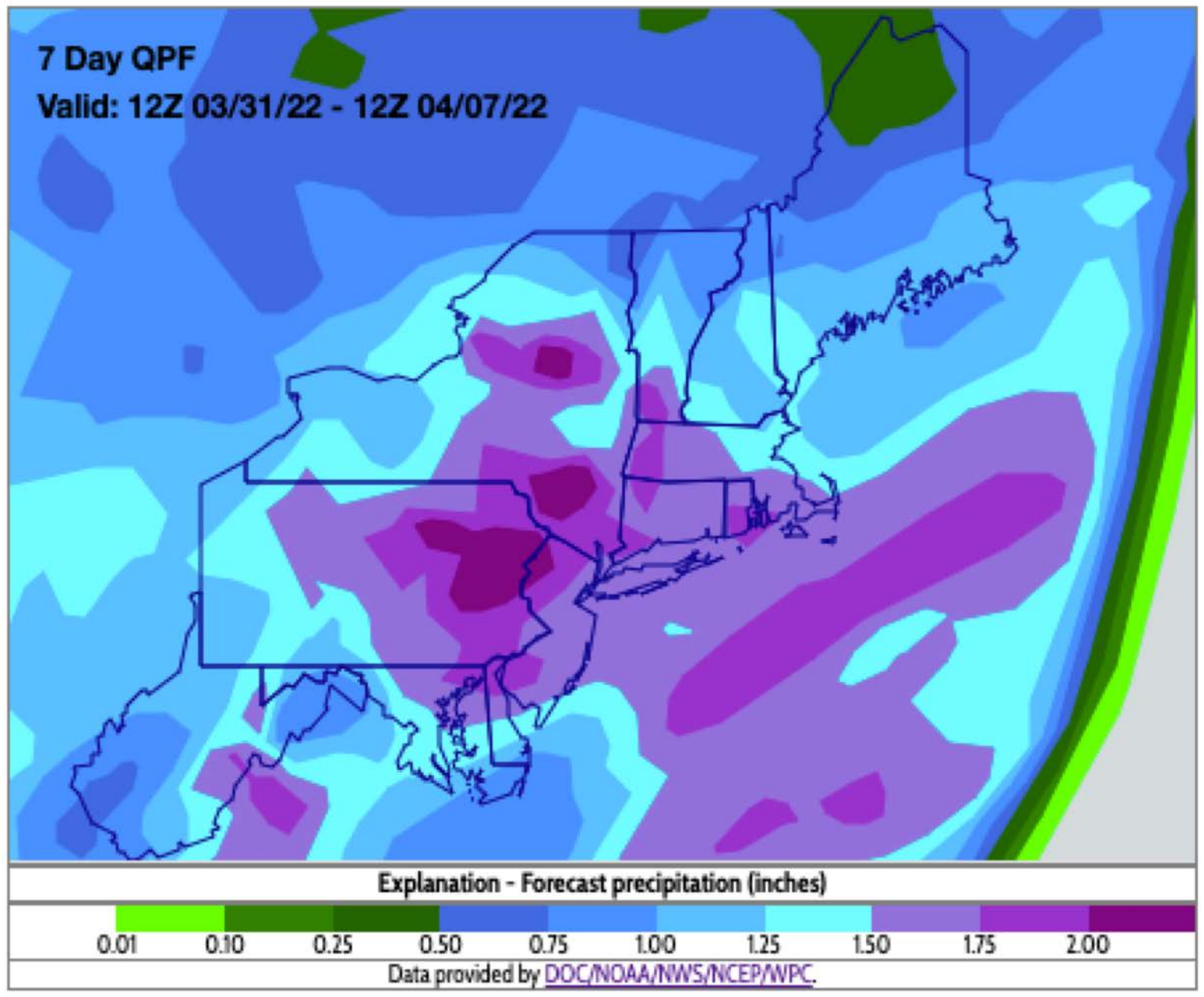




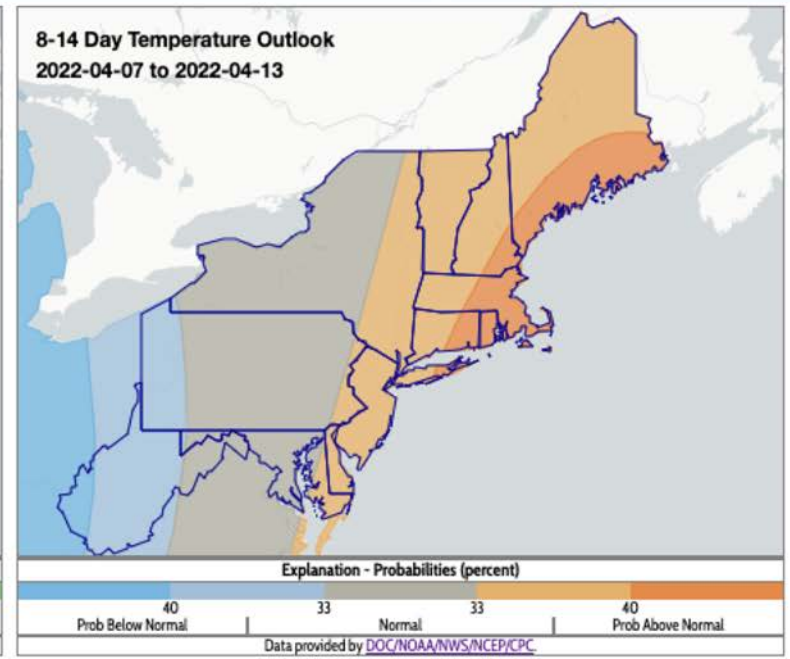
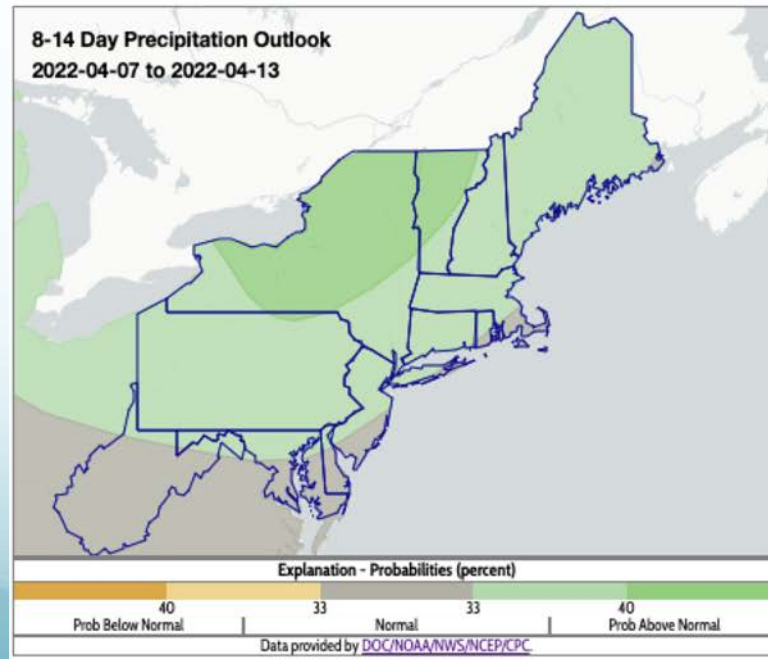
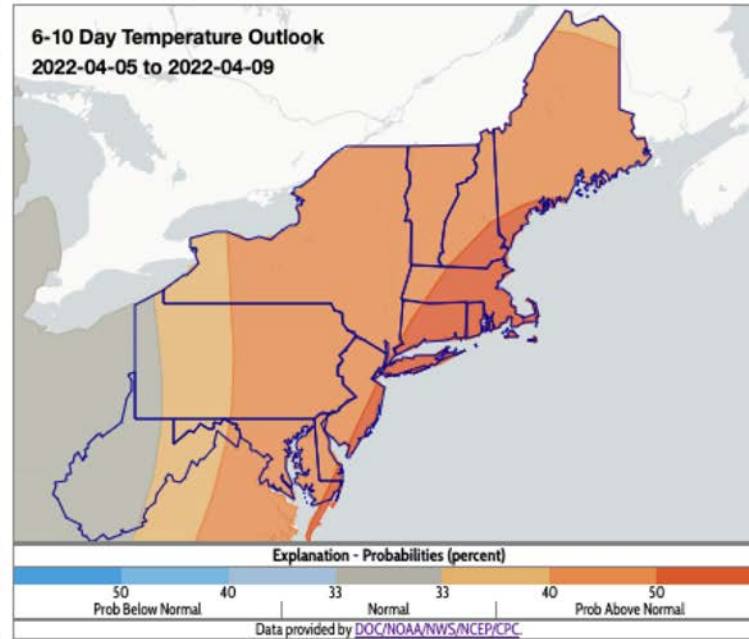
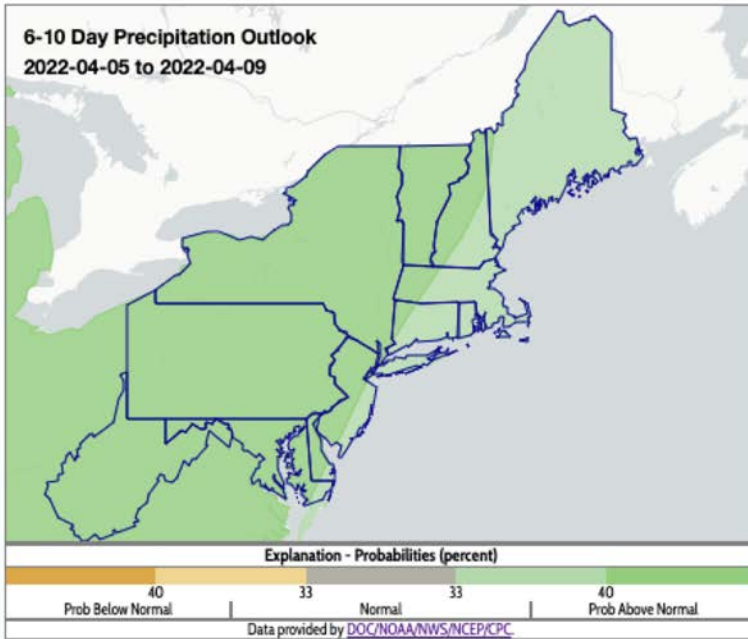
# Groundwater



# Precipitation Forecast

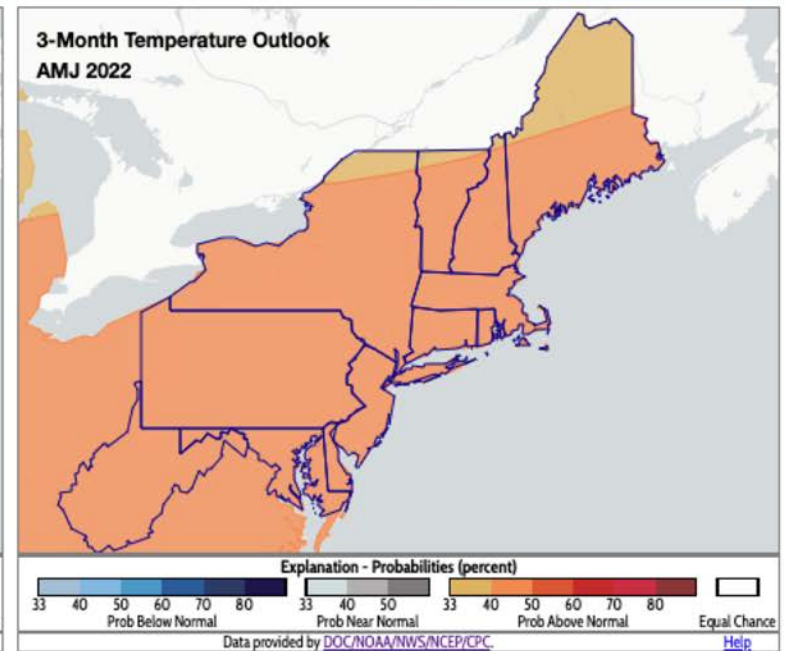
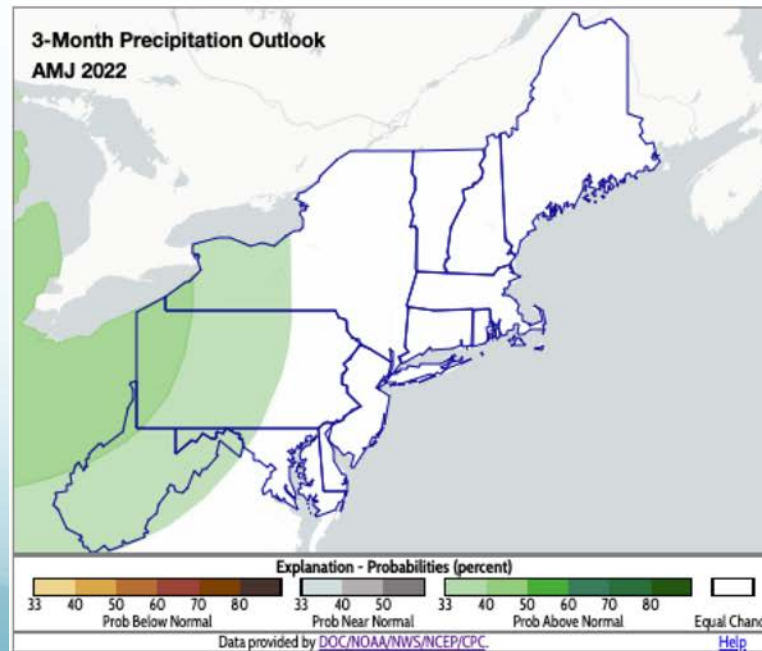
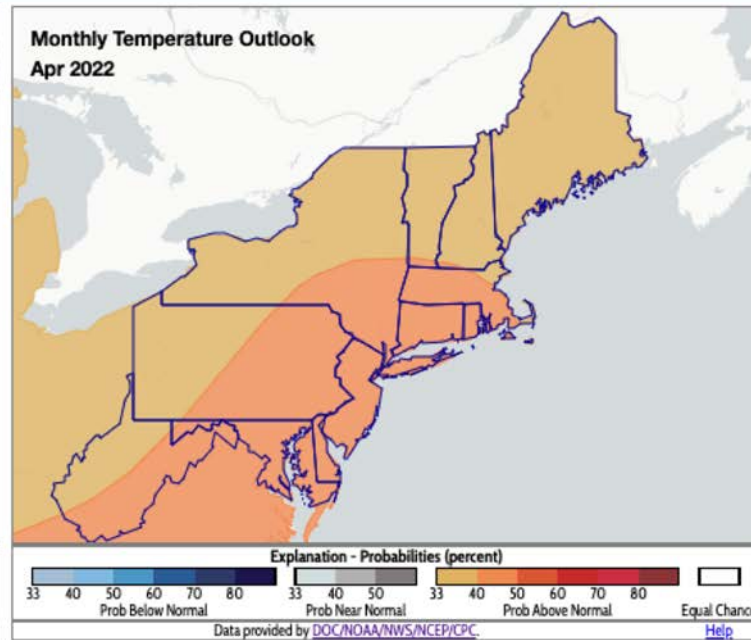
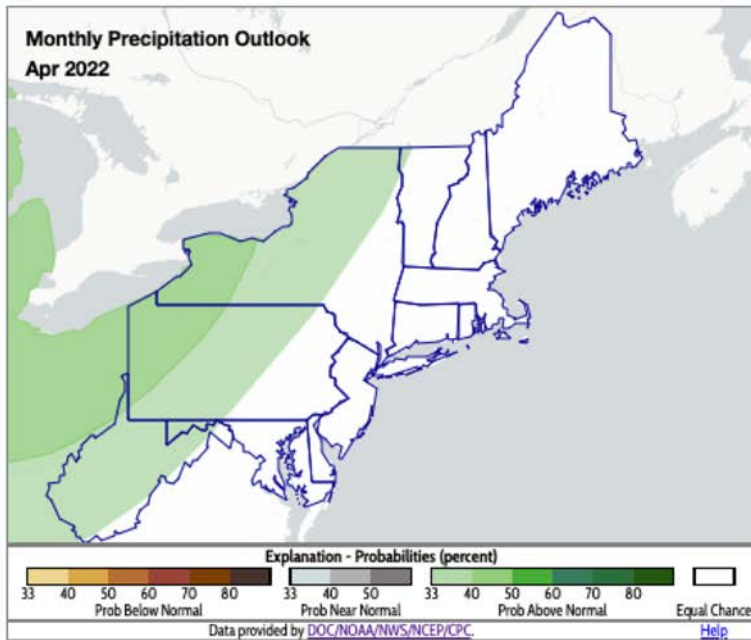


# Short-term Outlooks





# Monthly & 3-Month Outlooks



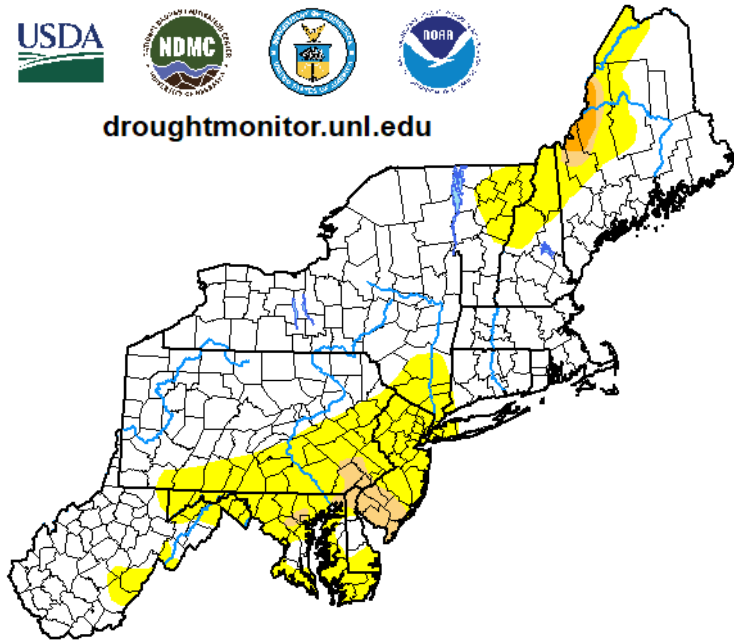
# Summary

## March-to-date conditions:

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



[droughtmonitor.unl.edu](http://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](mailto: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](http://www.nrcc.cornell.edu)