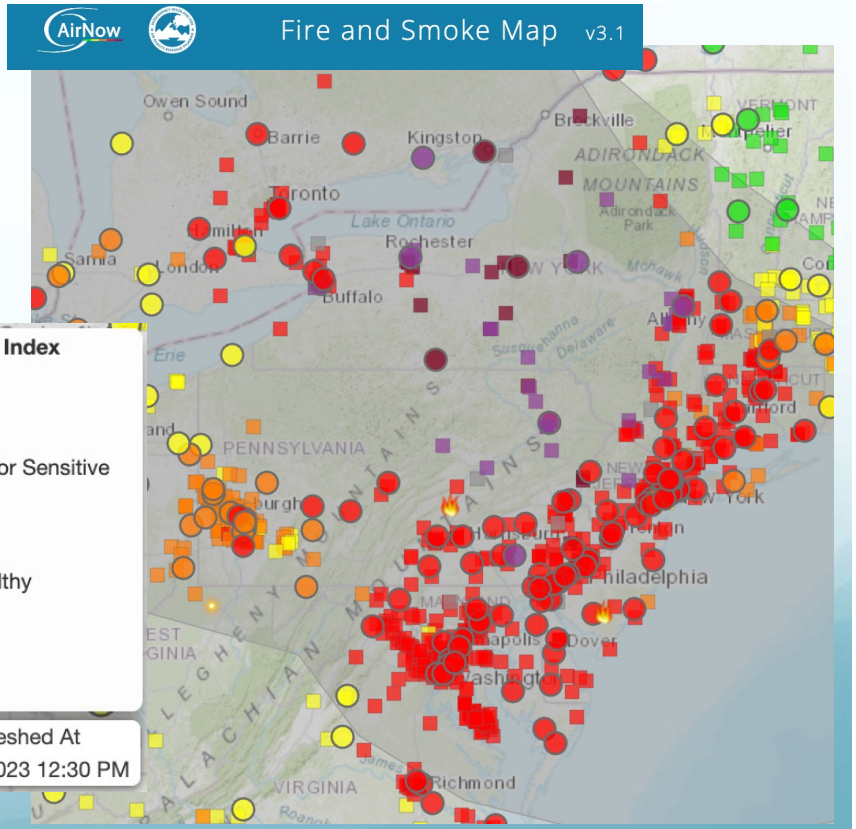
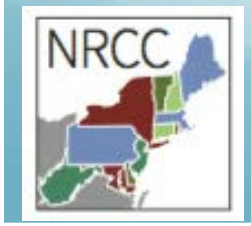
June Review & Northeast DEWS Discussion

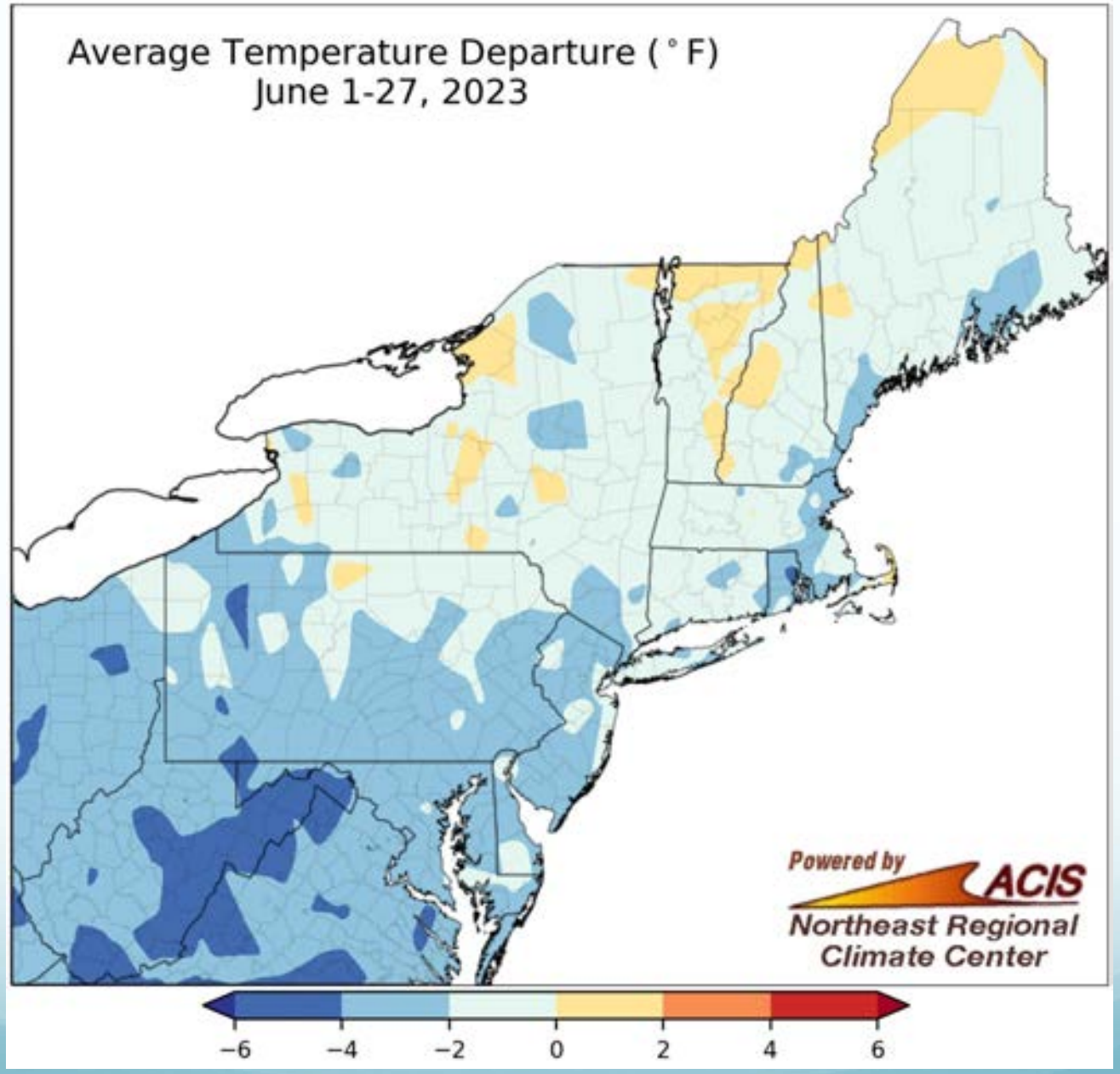
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center

Early June Weather



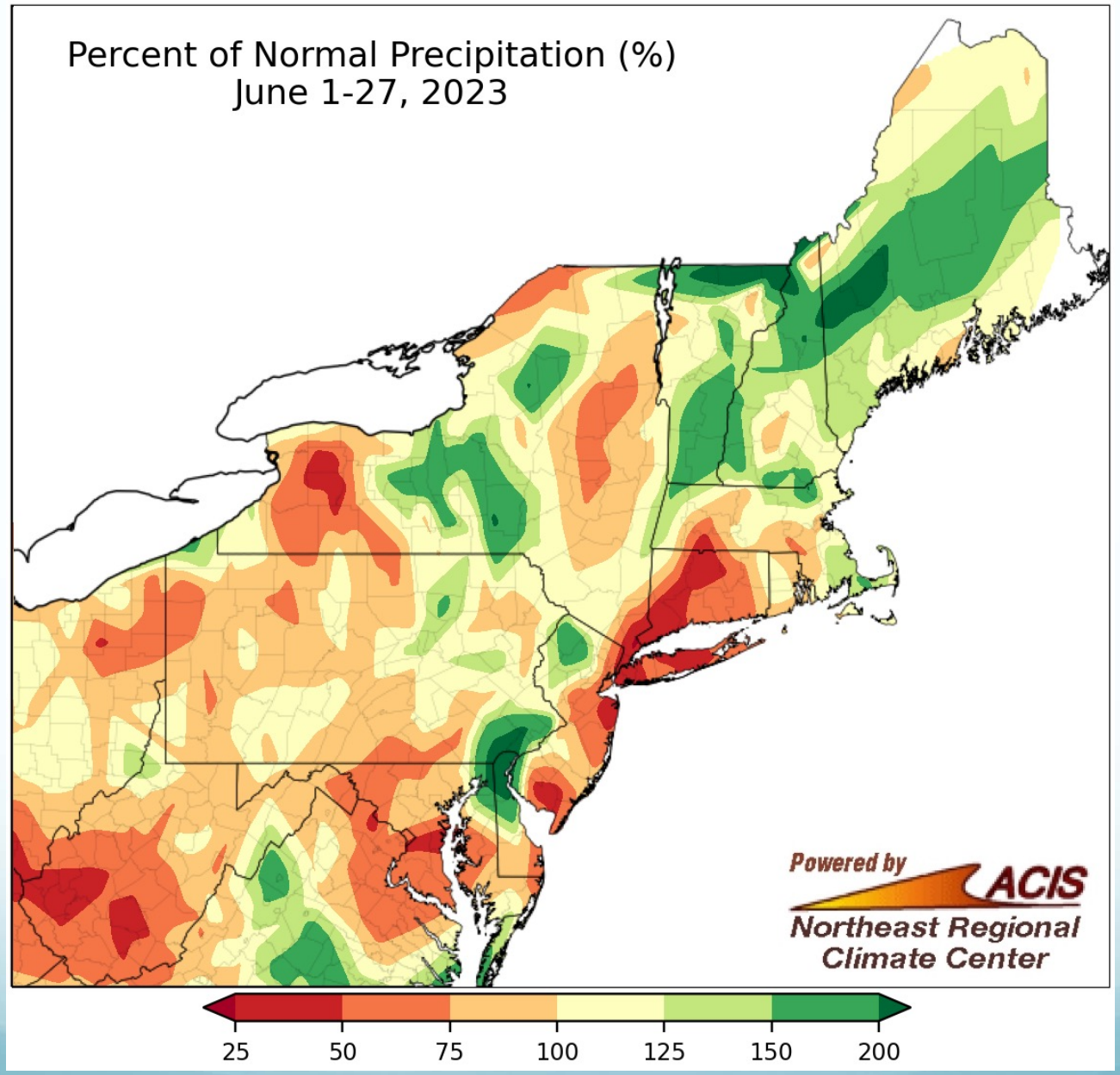


June Temperatures



From 6°F below normal to 2°F above normal

June Precipitation

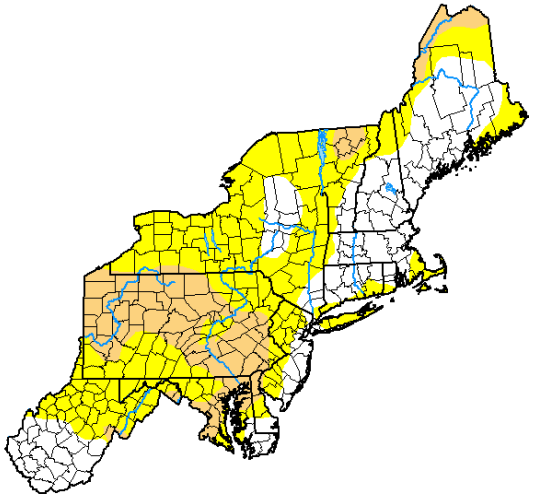


From 25% of normal to more than 200% of normal

Drought Monitor

U.S. Drought Monitor

Northeast



June 6, 2023

(Released Thursday, Jun. 8, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	32.32	47.42	20.27	0.00	0.00	0.00
Last Week 05-30-2023	50.39	47.26	2.35	0.00	0.00	0.00
3 Months Ago 03-07-2023	98.29	1.71	0.00	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 06-07-2022	85.65	12.12	2.23	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:

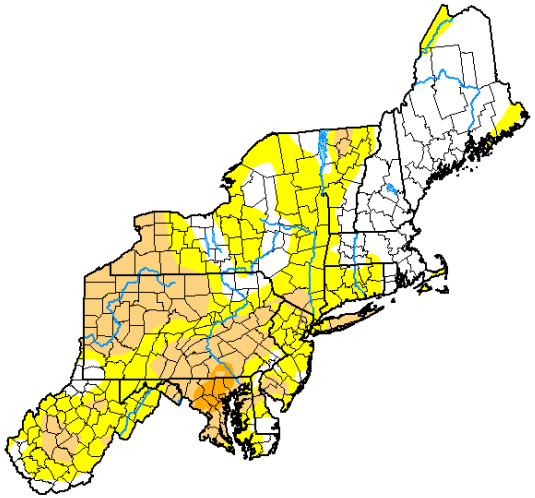
Lindsay Johnson

National Drought Mitigation Center

droughtmonitor.unl.edu

U.S. Drought Monitor

Northeast



June 27, 2023

(Released Thursday, Jun. 29, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	34.94	39.89	23.80	1.37	0.00	0.00
Last Week 06-20-2023	28.52	37.35	32.61	1.52	0.00	0.00
3 Months Ago 03-28-2023	92.34	6.36	1.30	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 06-28-2022	70.69	21.85	7.46	0.00	0.00	0.00

Intensity:

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

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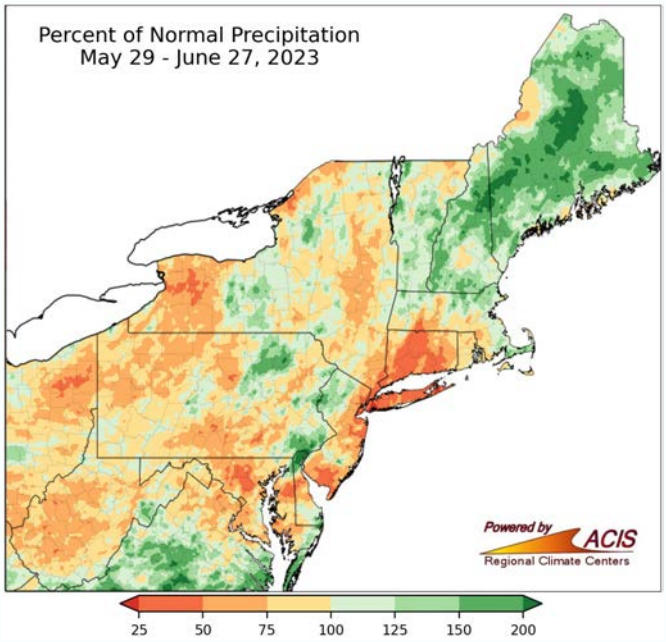
Author:

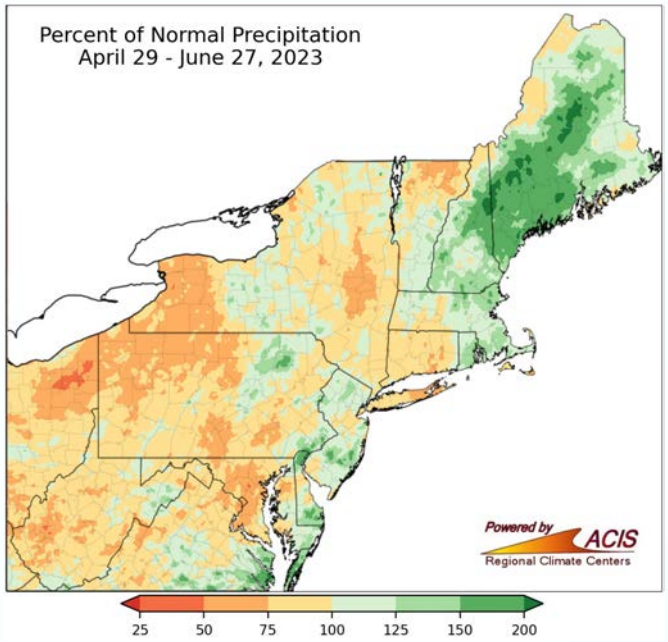
Curtis Riganti

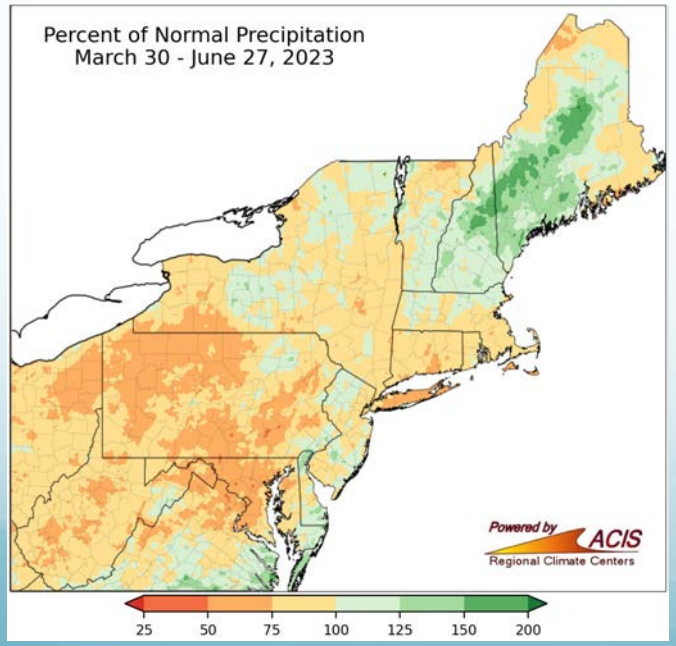
National Drought Mitigation Center

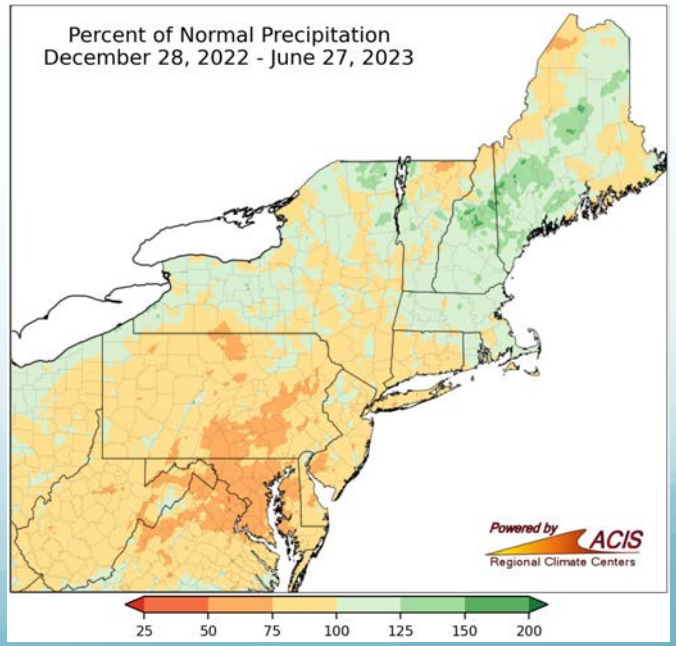
droughtmonitor.unl.edu

Precipitation

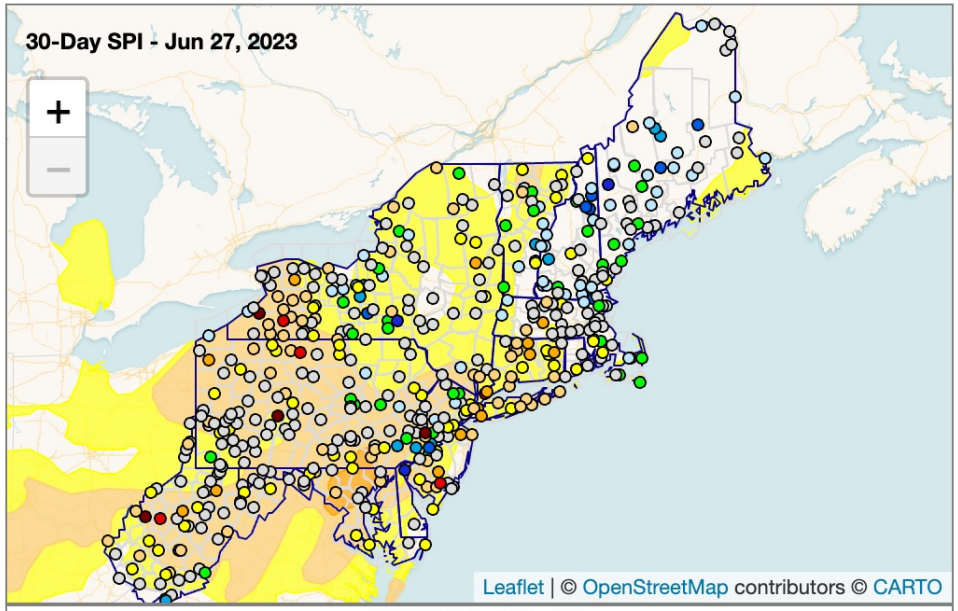






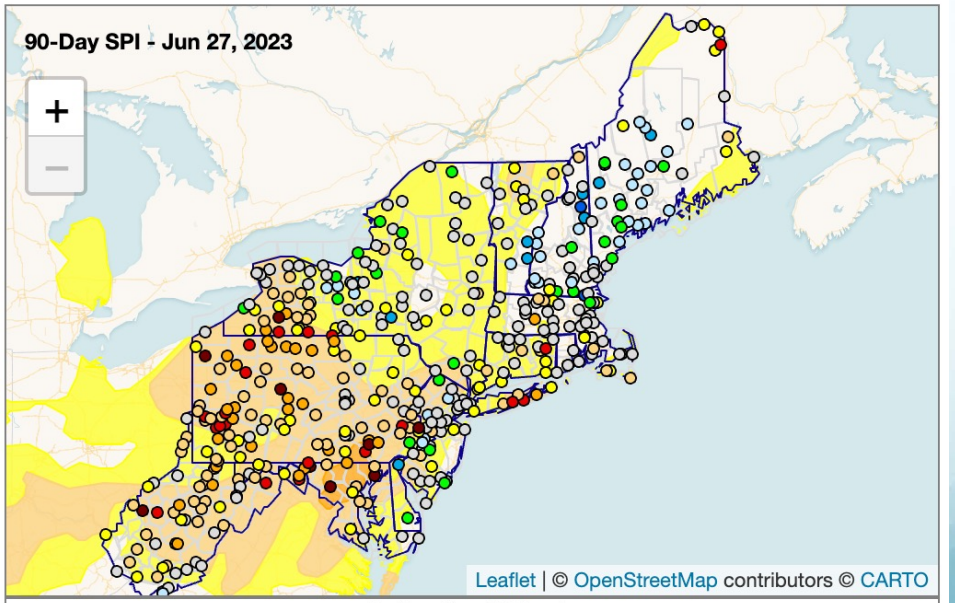


Standardized Precipitation Index



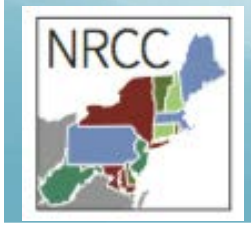
Explanation - SPI Levels										
D4: <-2.0	D3: -2.0 to -1.6	D2: -1.6 to -1.3	D1: -1.3 to -0.8	D0: -0.8 to -0.5	-0.5 to 0.5	0.5 to 0.8	0.8 to 1.3	1.3 to 1.6	1.6 to 2.0	>2.0

Data provided by Northeast Regional Climate Center. Powered by ACIS.

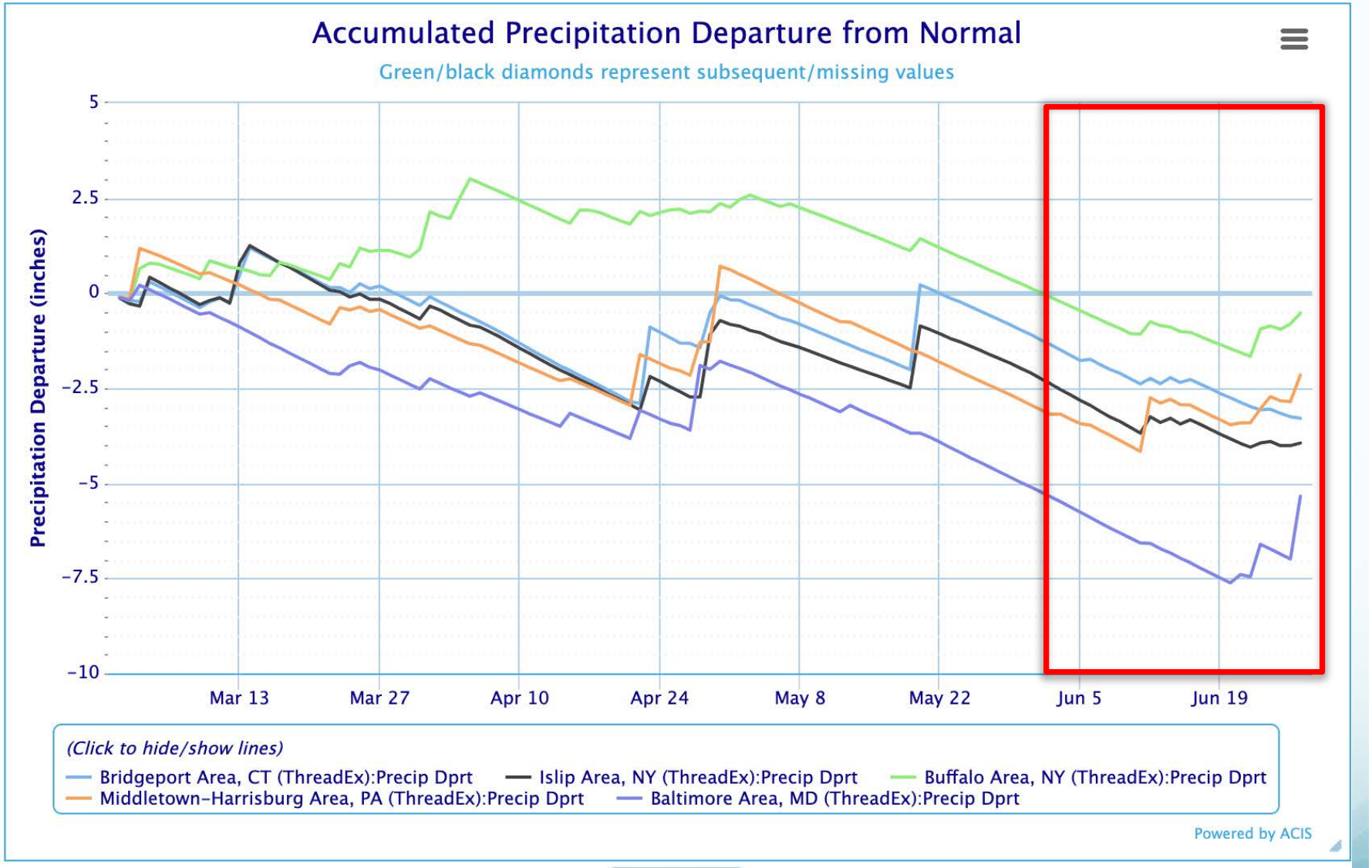


Explanation - SPI Levels										
D4: <-2.0	D3: -2.0 to -1.6	D2: -1.6 to -1.3	D1: -1.3 to -0.8	D0: -0.8 to -0.5	-0.5 to 0.5	0.5 to 0.8	0.8 to 1.3	1.3 to 1.6	1.6 to 2.0	>2.0

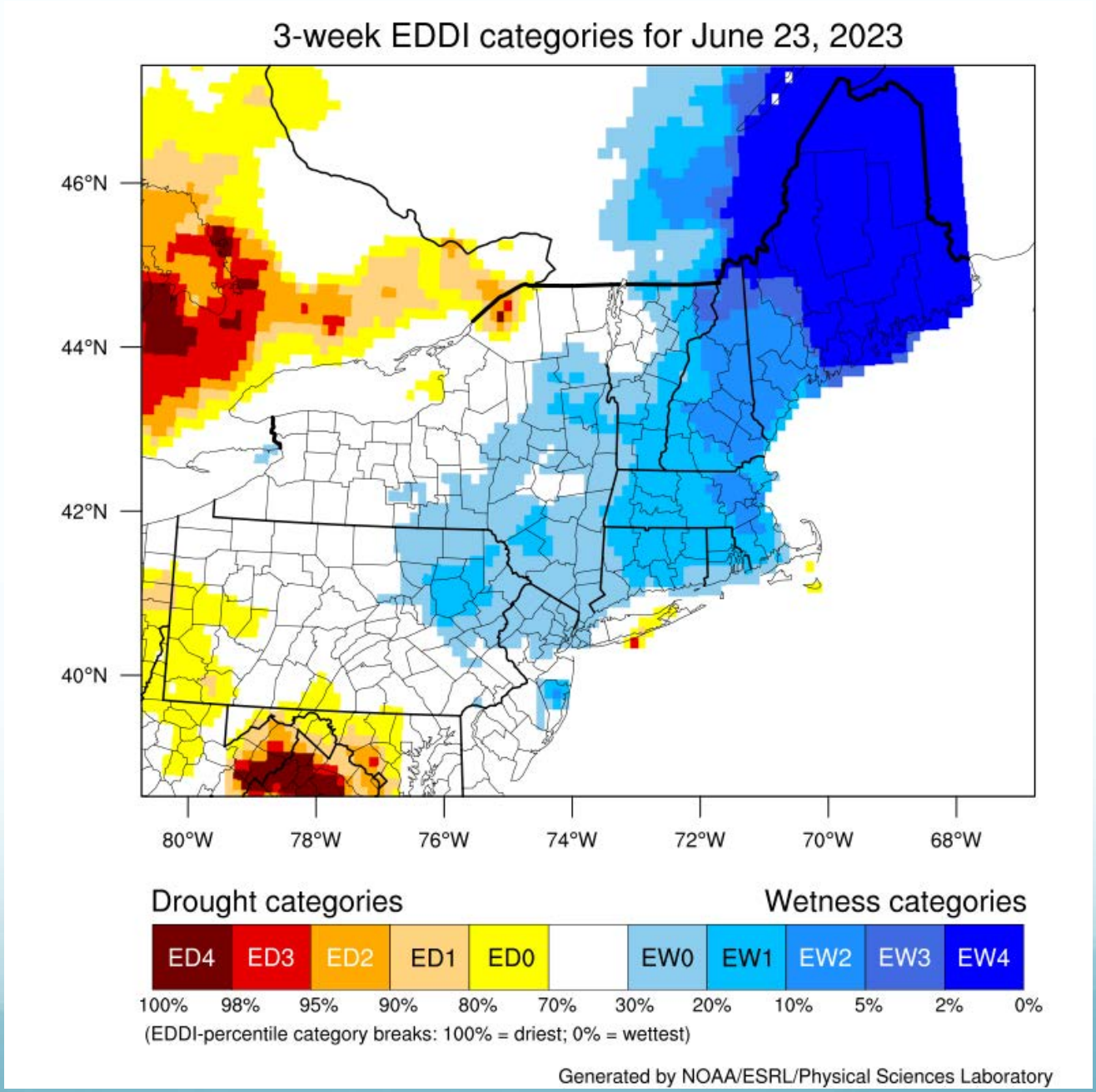
Data provided by Northeast Regional Climate Center. Powered by ACIS.



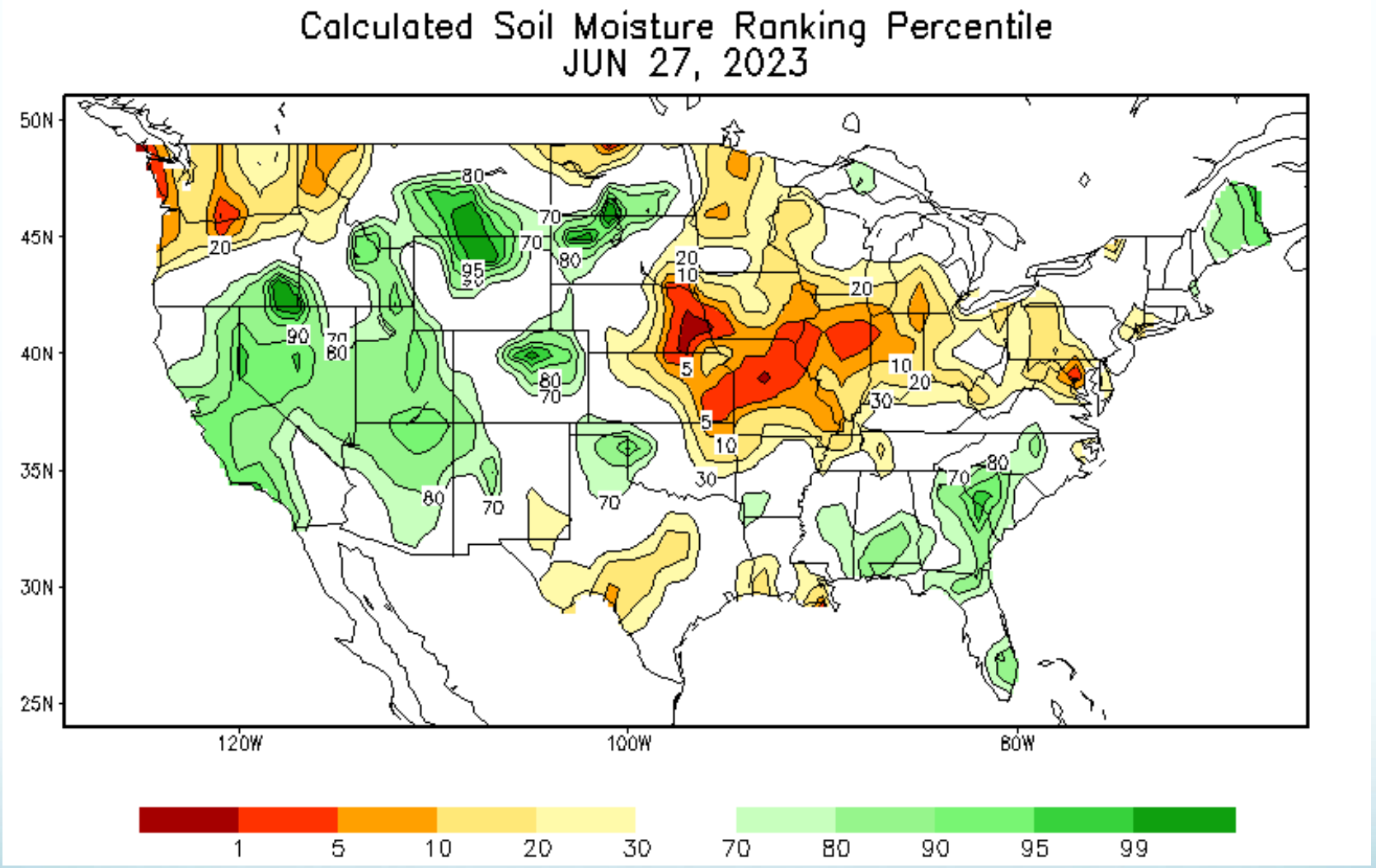
Precipitation



Evap. Demand Drought Index

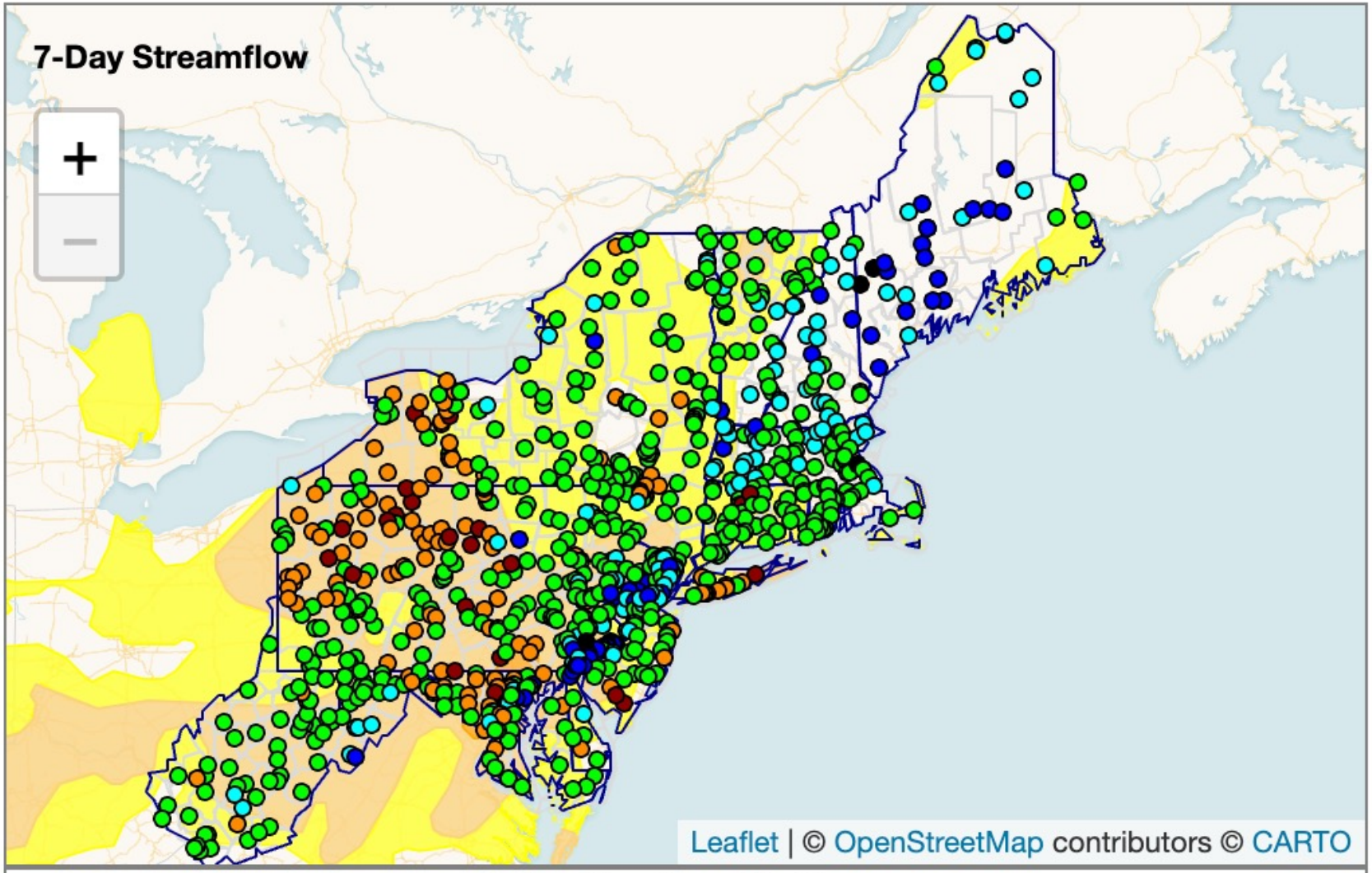


Soil Moisture



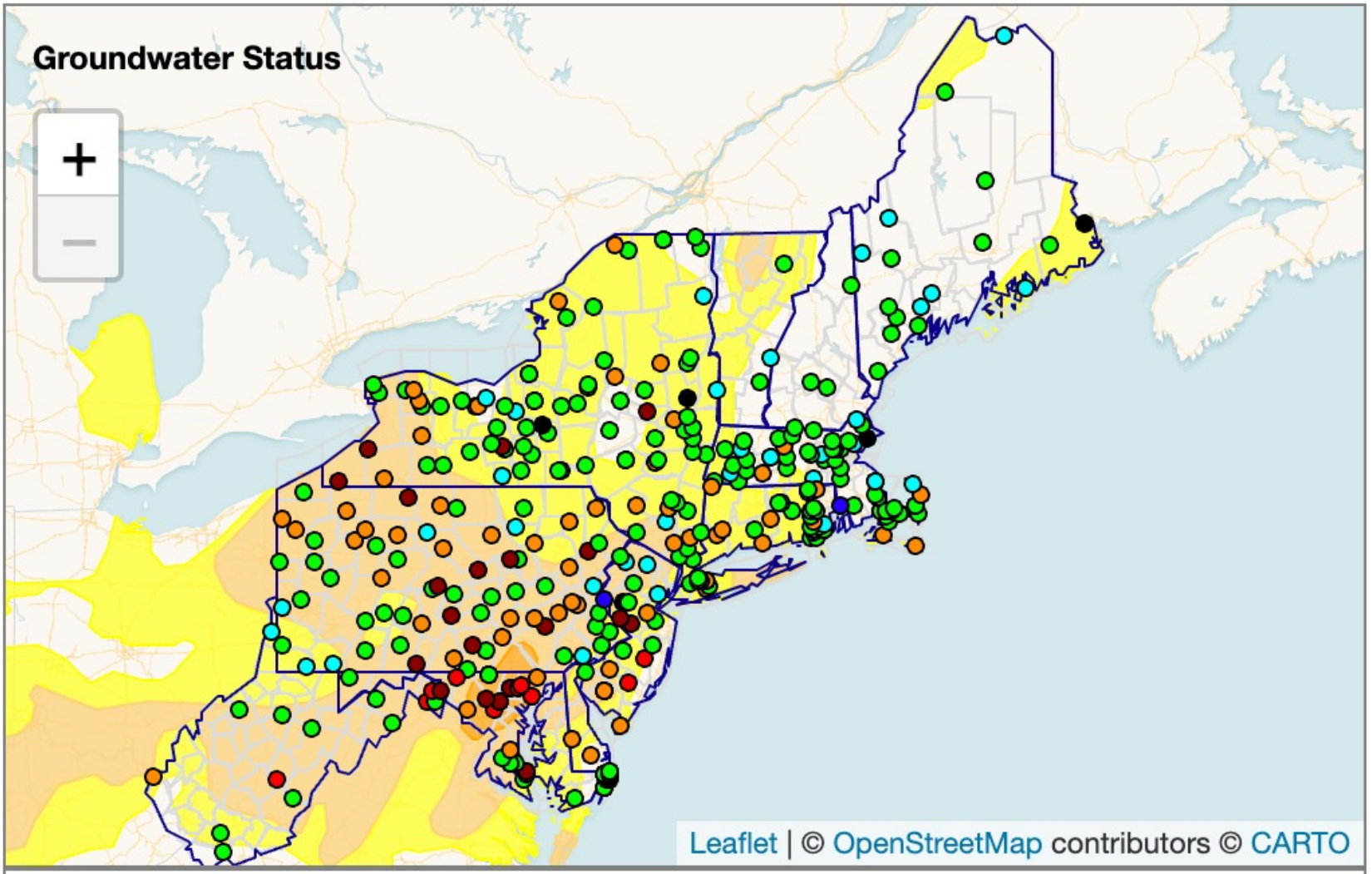
Courtesy of
NOAA CPC

Streamflow



Explanation - Percentile Classes						
●	●	●	●	●	●	●
Low	Much below normal	Below normal	Normal	Above normal	Much above normal	High
	<10%	10-24%	25-75%	76-90%	>90%	
Data provided by USGS WaterWatch - Streamflow; updated 2023-06-28.						

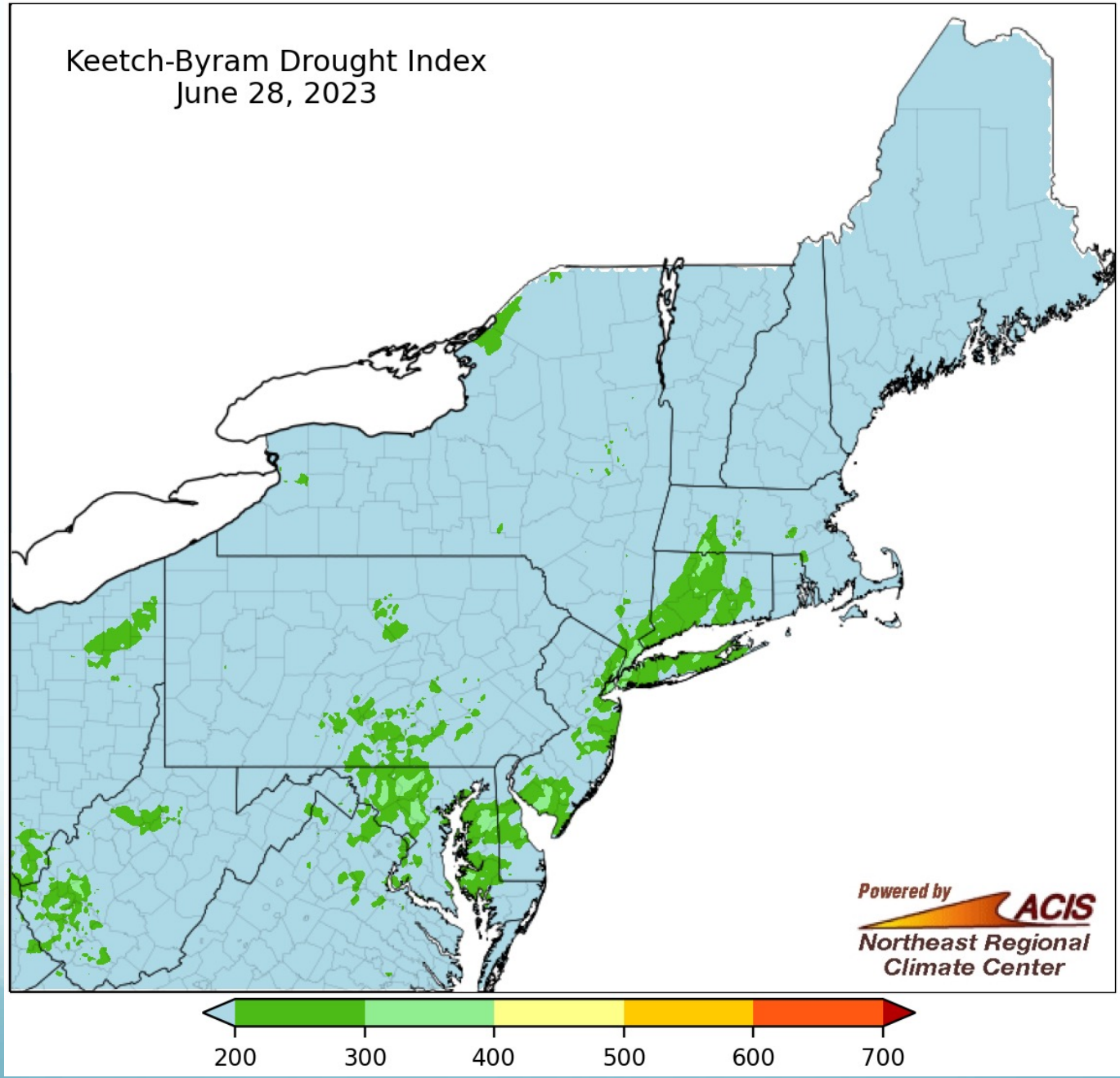
Groundwater



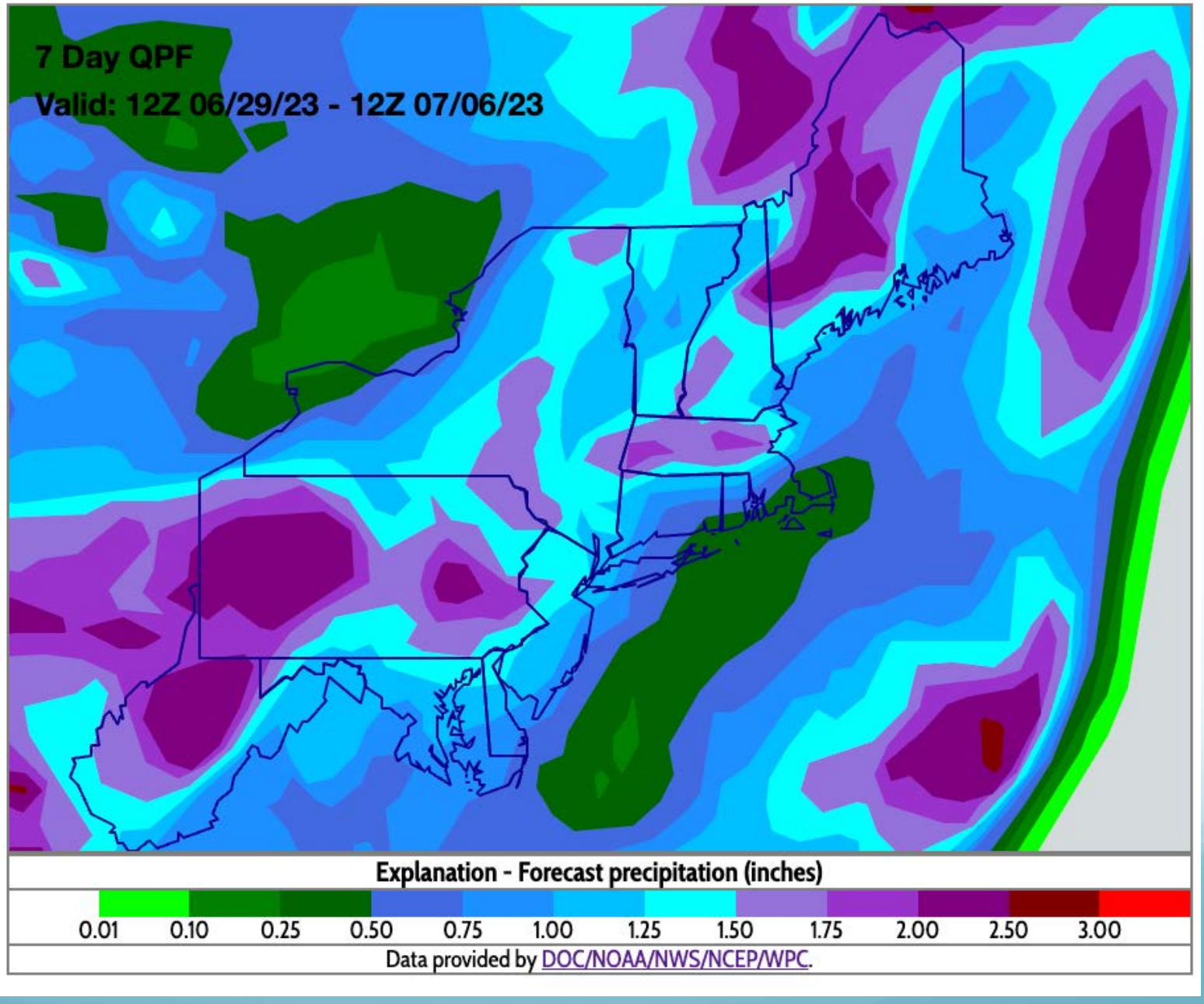
Explanation - Percentile Classes						
Low	Much below normal	Below normal	Normal	Above normal	Much above normal	High
	<10%	10-24%	25-75%	76-90%	>90%	

Data provided by USGS Groundwater - About this map; updated 2023-06-29.

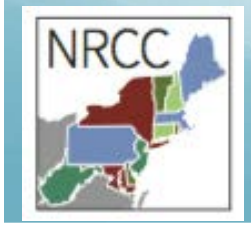
Wildfire Risk



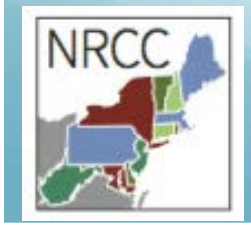
Precipitation Forecast



Short-term Outlooks



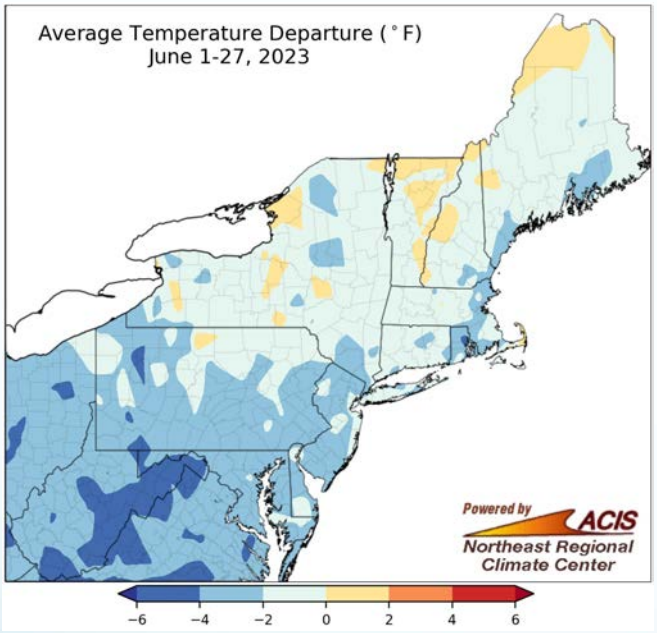
Monthly & 3-Month Outlooks



Summary

June-to-date conditions:

- Below or near-normal temperatures
- Variable precipitation amounts



Drought:

- Drought and dryness expanded in areas outside of northern New England through last week
- Locally heavy rain led to some improvements this week

Outlooks:

- Short-term: favor wet and warm conditions
- July: Parts of the Mid-Atlantic could be wet w/ equal chances elsewhere; above-normal temperatures for all
- July-September: Equal chances precipitation; above-normal temperatures for all

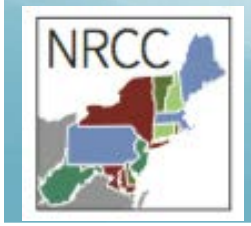
NRCC

Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, July 27 at 9:30am EDT
  - Drought.gov Update
- Thursday, August 31 at 9:30am EDT
  - Hurricane Season Update and Outlook
- Thursday, September 28 at 9:30am EDT
  - The Role of the State Climatologist Office – NJ & MD



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