

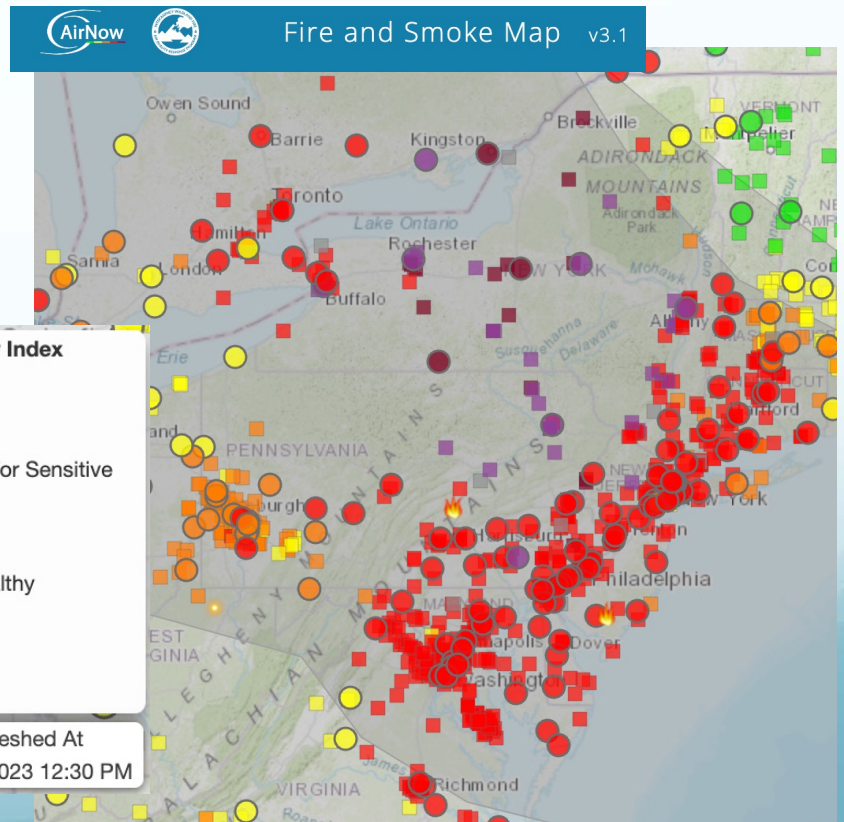
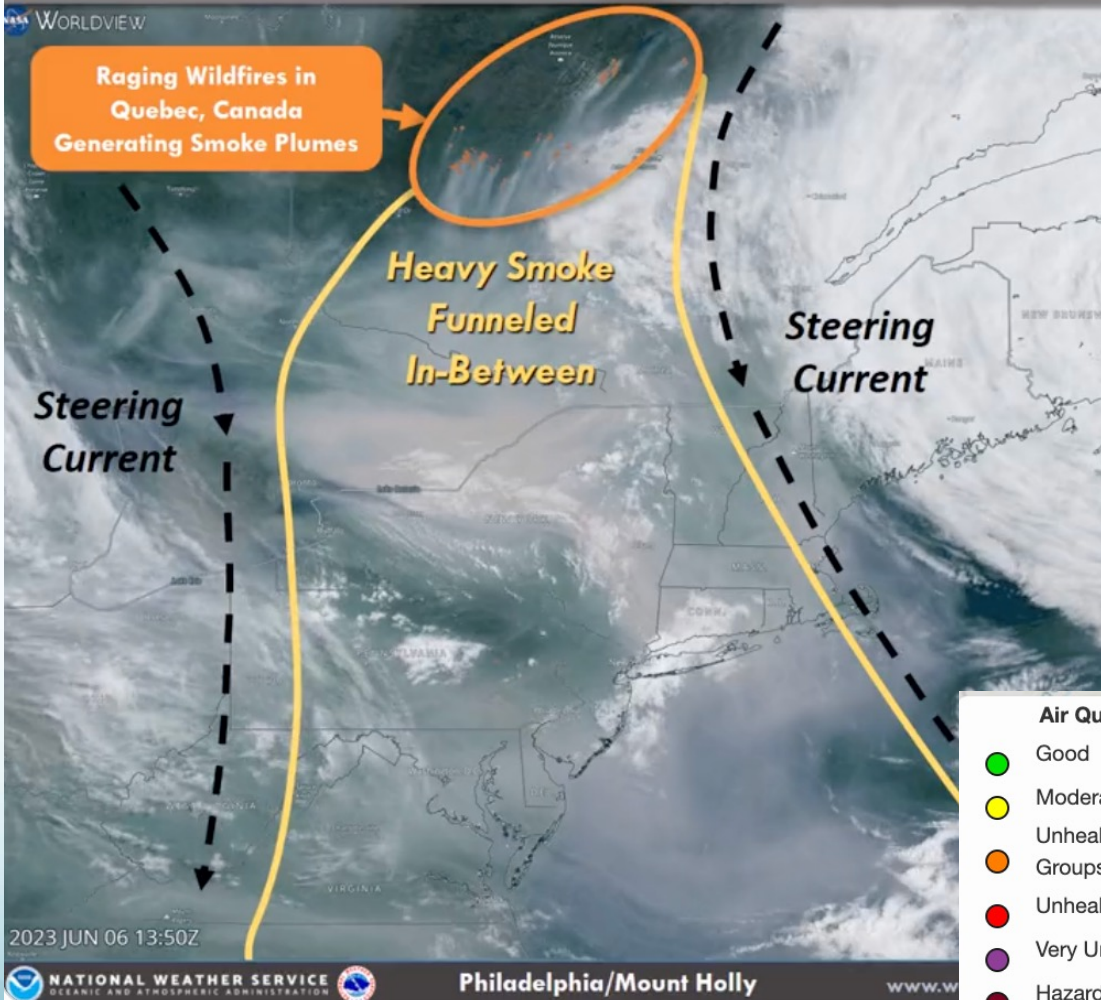
June Review & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center

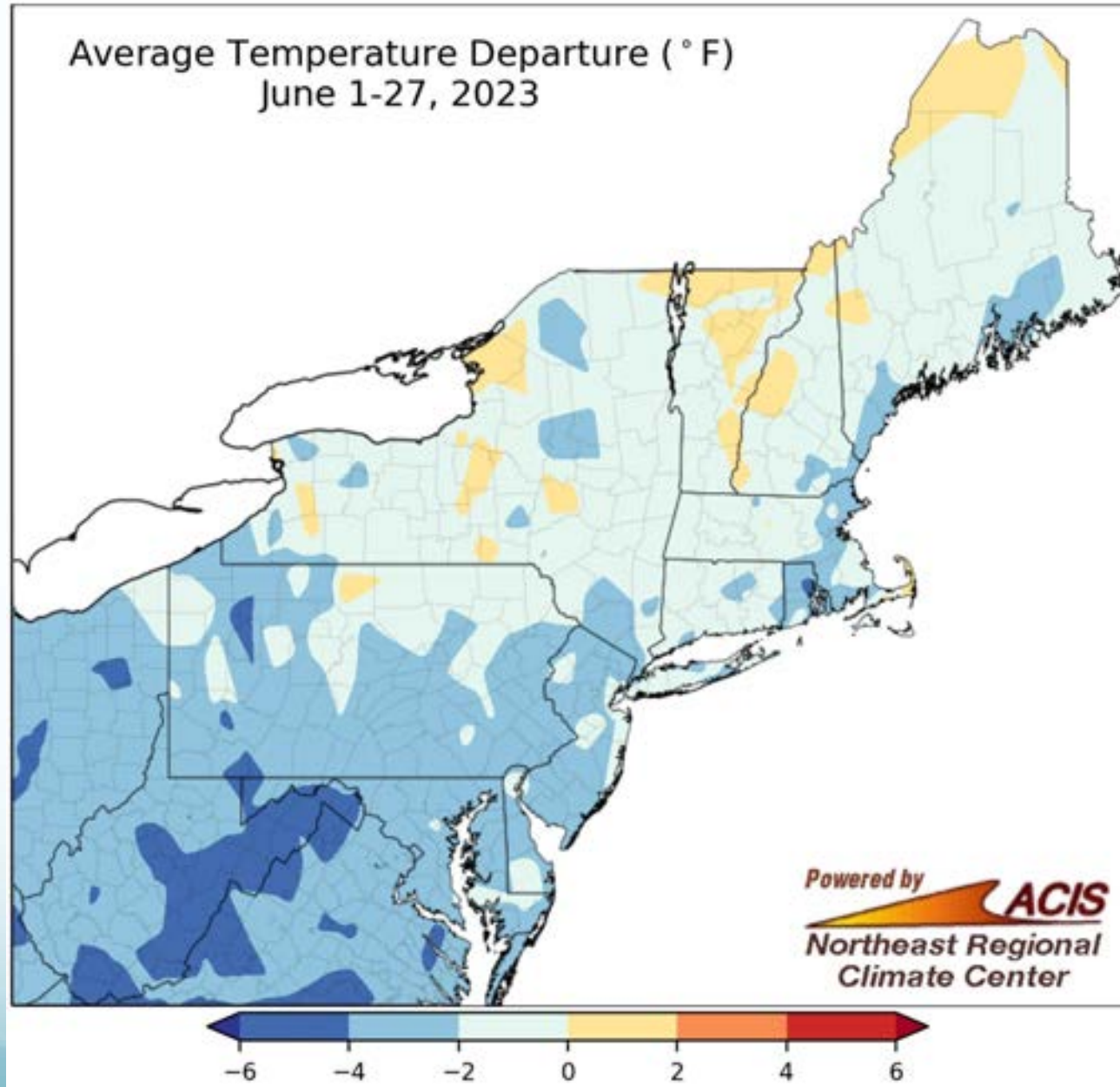


Early June Weather

Where Did All the Smoke Come From?



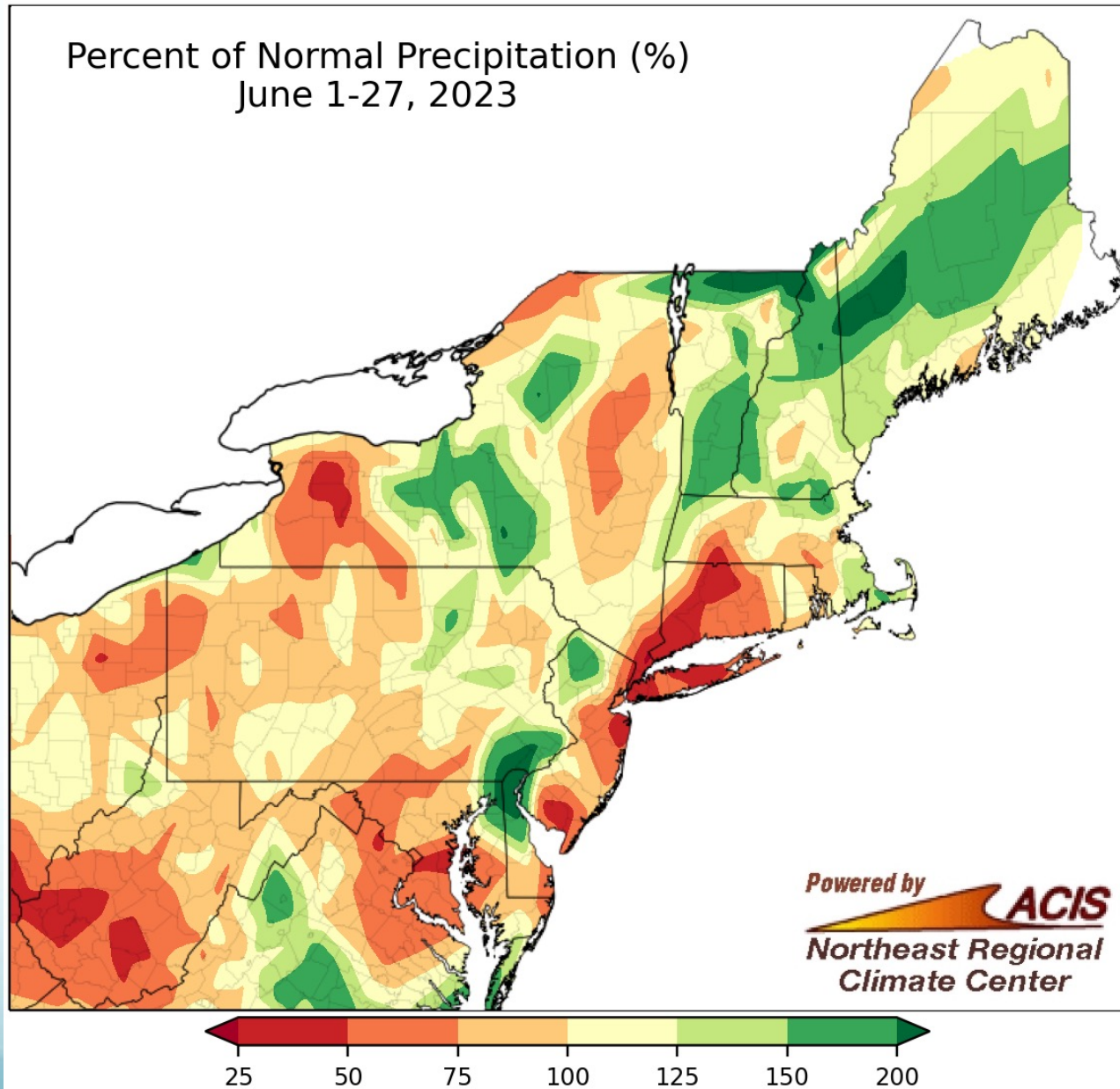
June Temperatures



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

June Precipitation

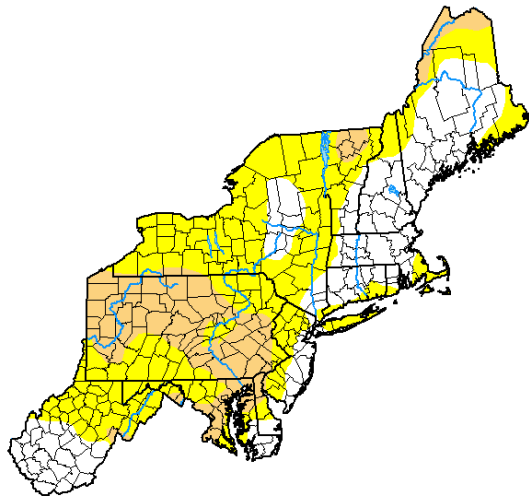
Percent of Normal Precipitation (%)
June 1-27, 2023



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	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>

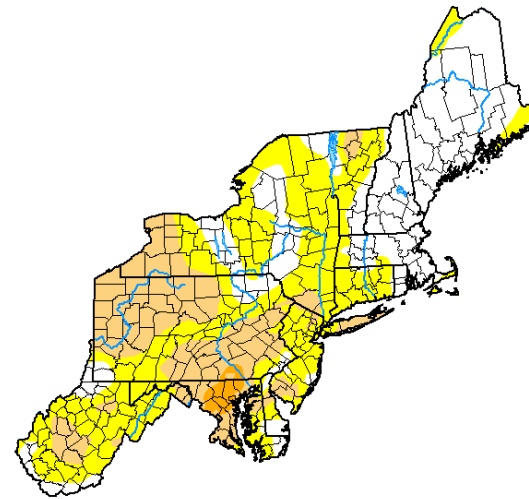
Author

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	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

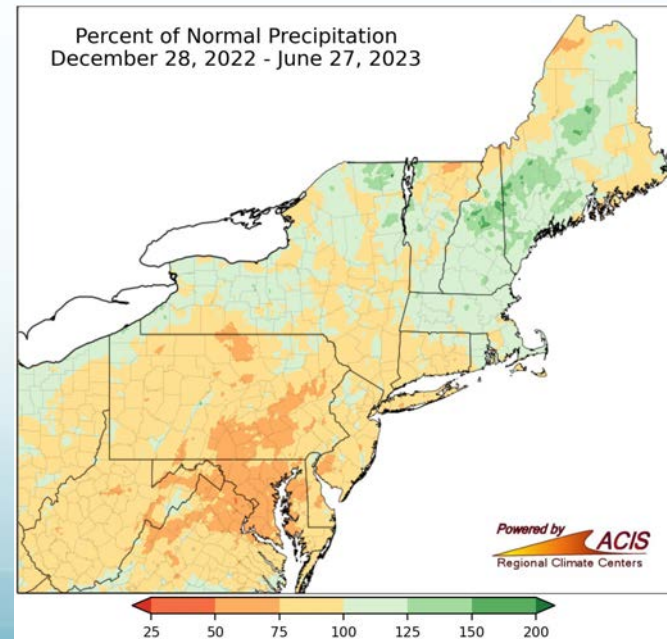
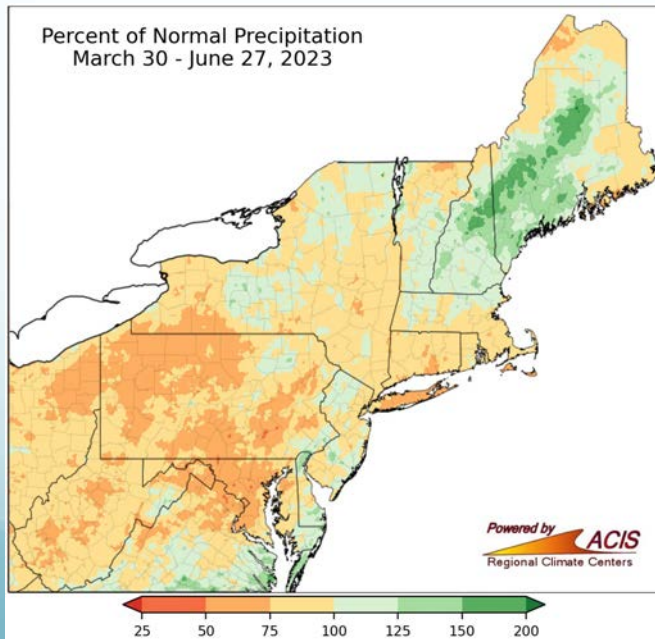
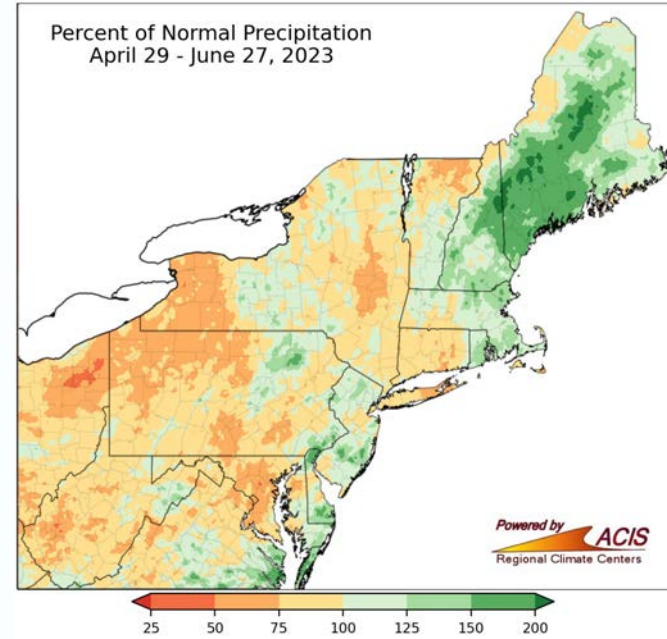
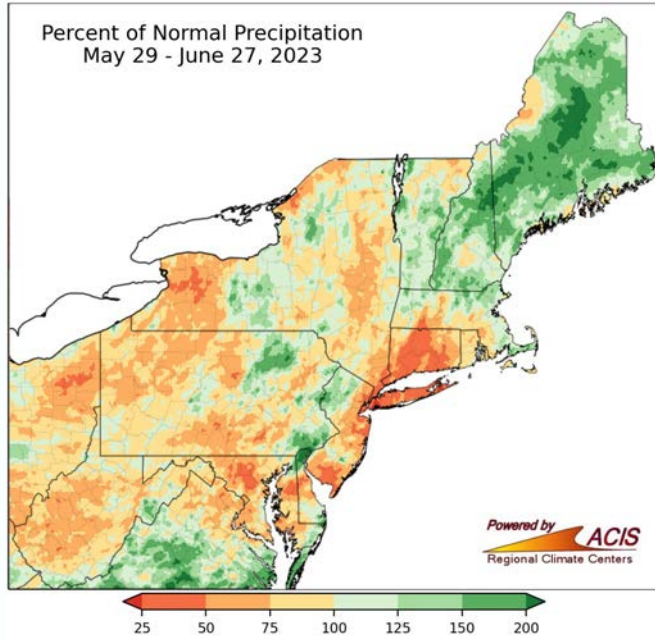
Curtis Riganti
National Drought Mitigation Center



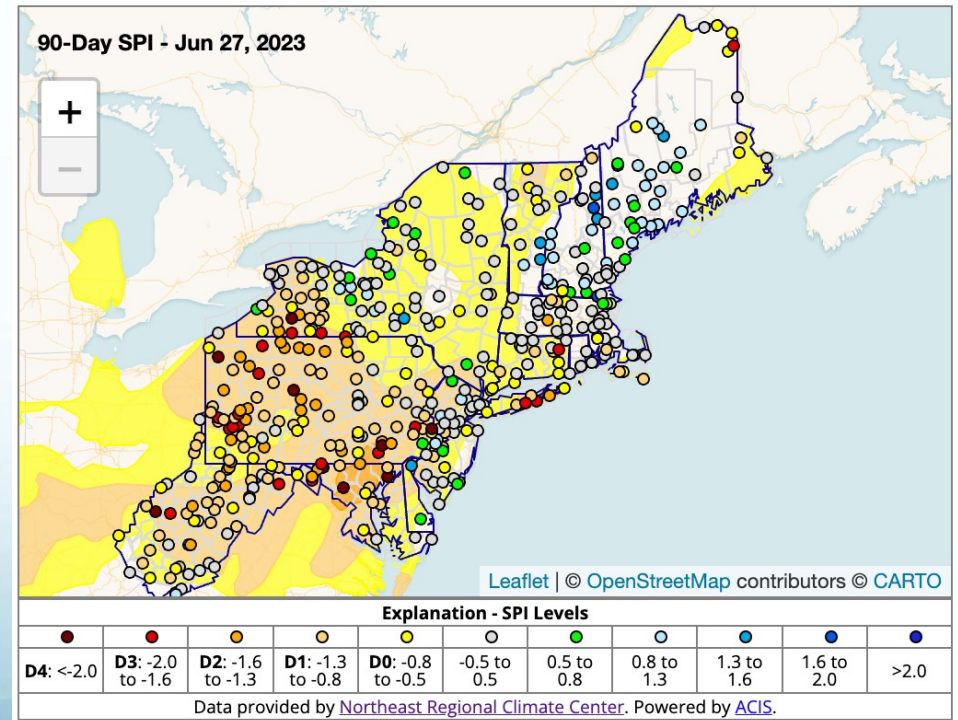
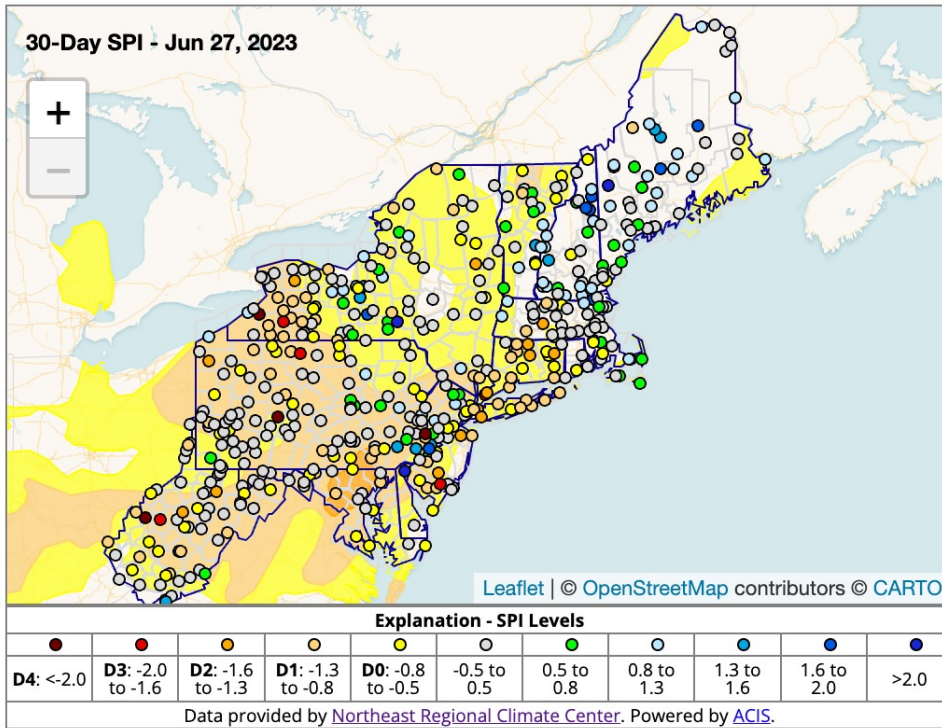
droughtmonitor.unl.edu



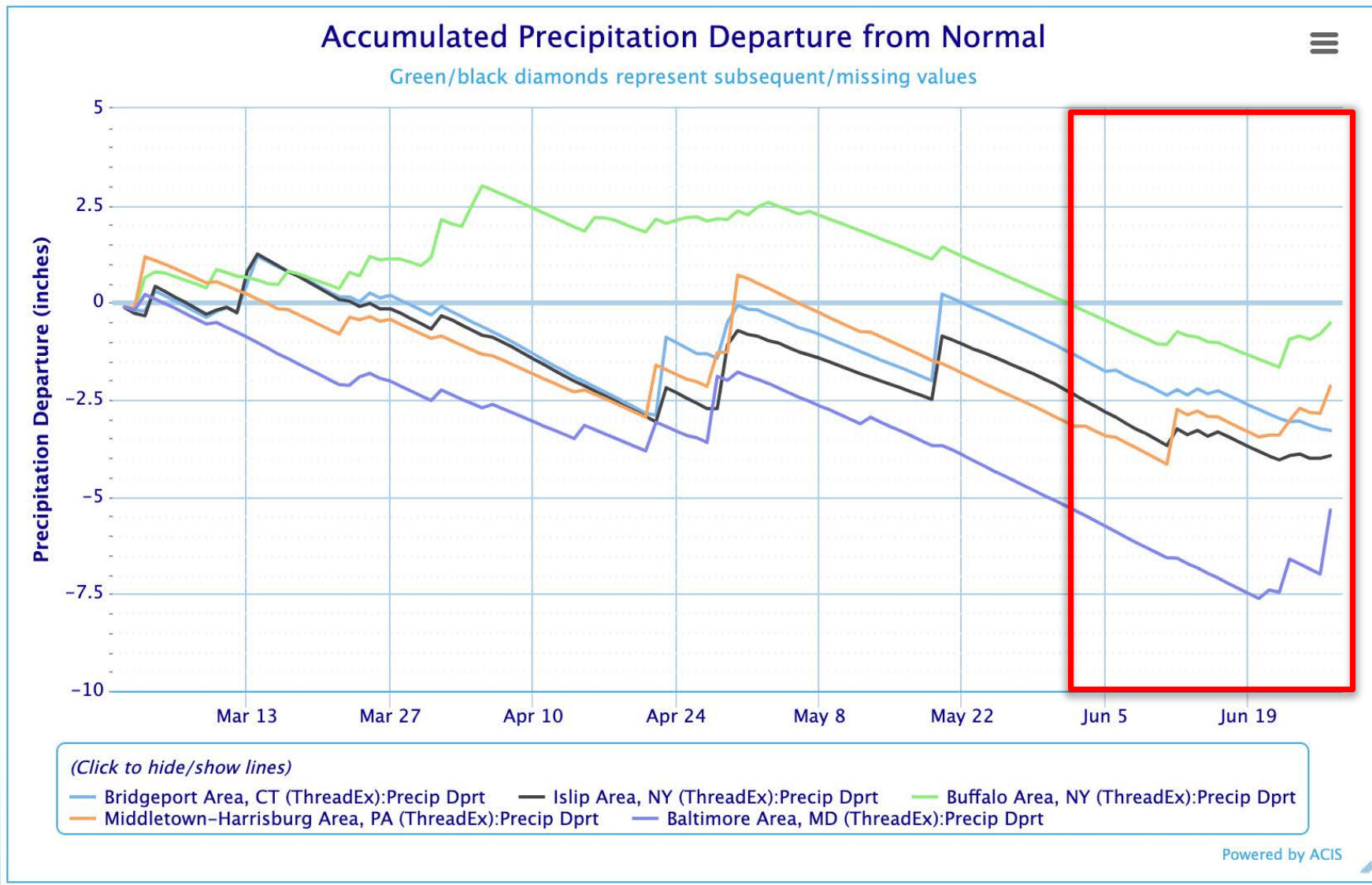
Precipitation



Standardized Precipitation Index

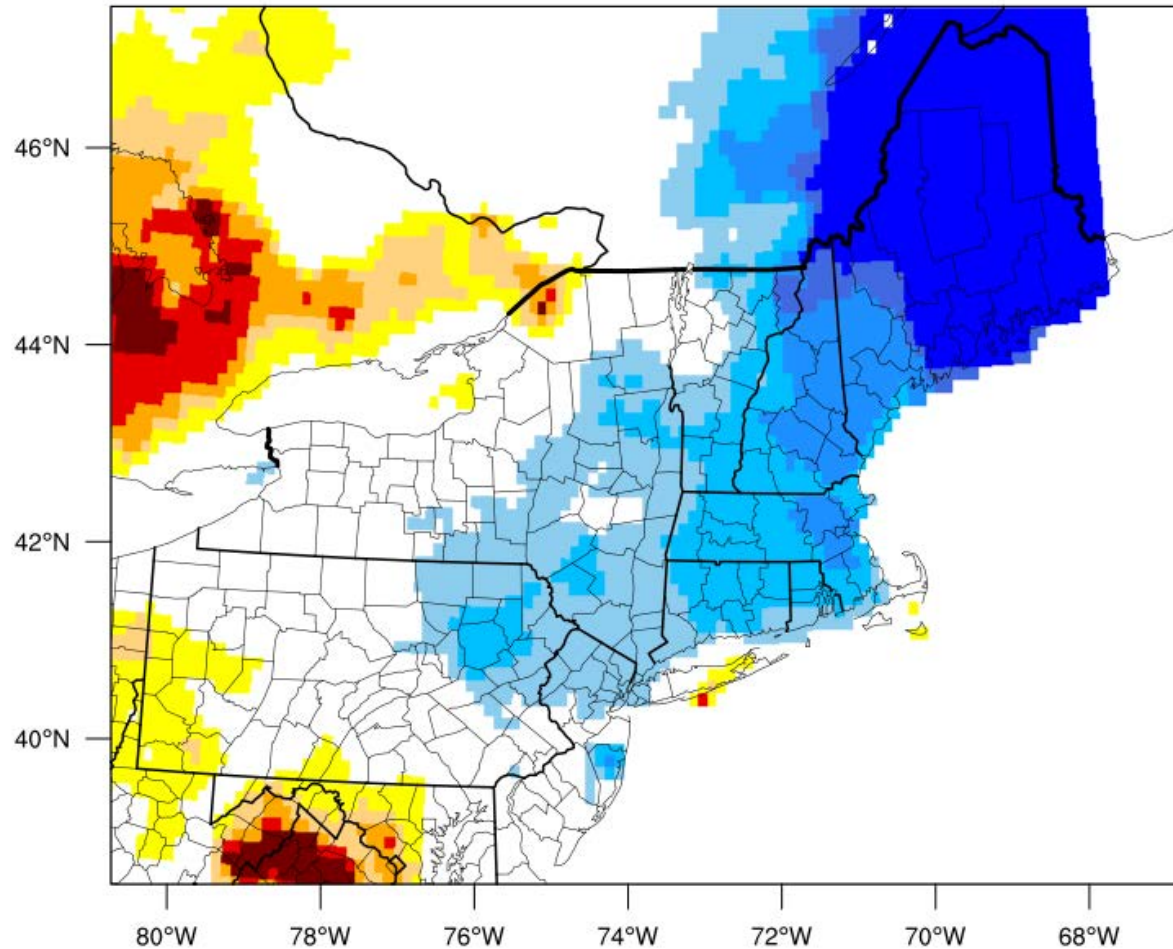


Precipitation



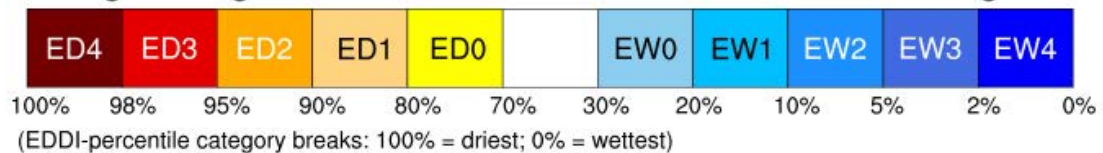
Evap. Demand Drought Index

3-week EDDI categories for June 23, 2023



Drought categories

Wetness categories

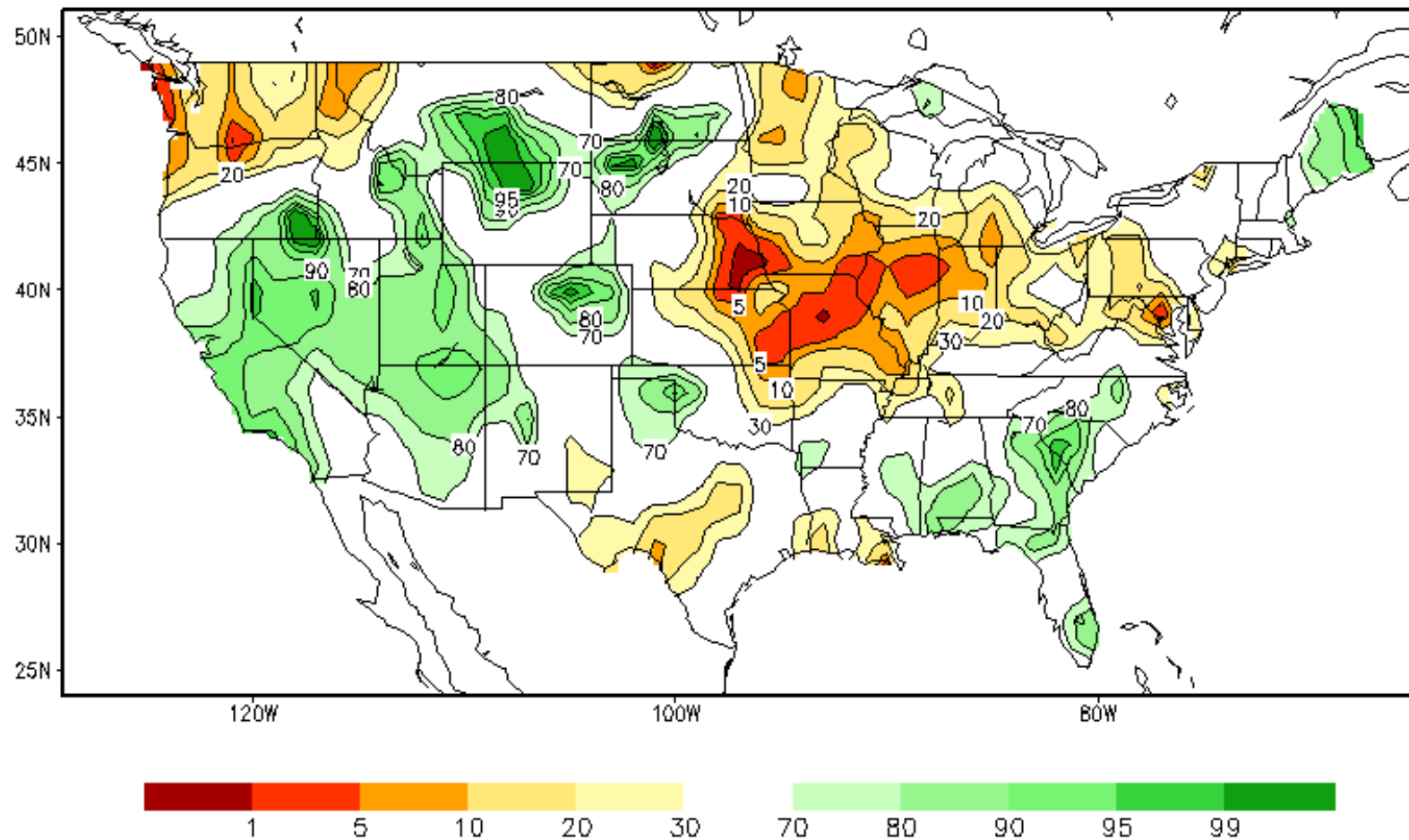


Generated by NOAA/ESRL/Physical Sciences Laboratory



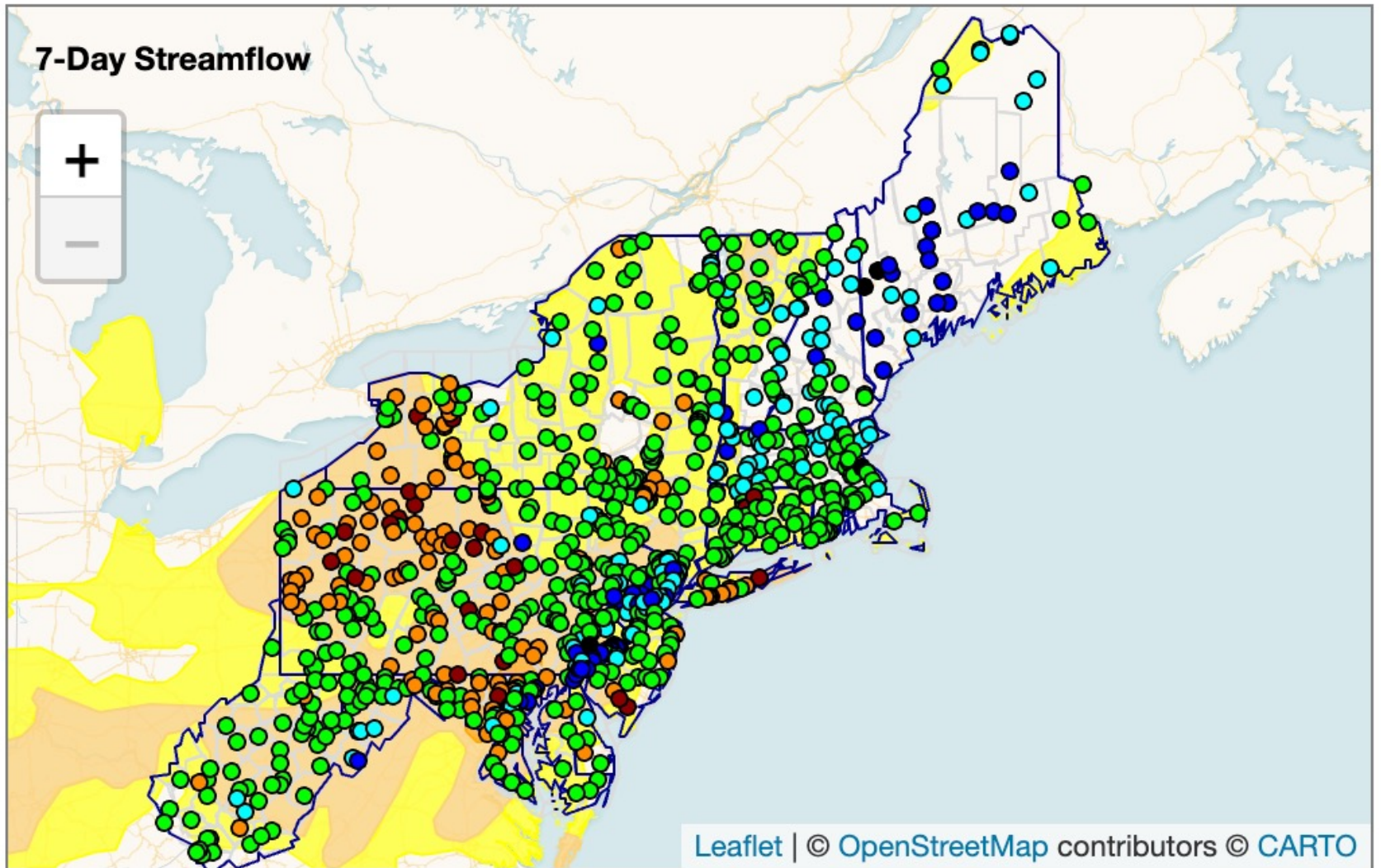
Soil Moisture

Calculated Soil Moisture Ranking Percentile
JUN 27, 2023



Courtesy of
NOAA CPC

Streamflow



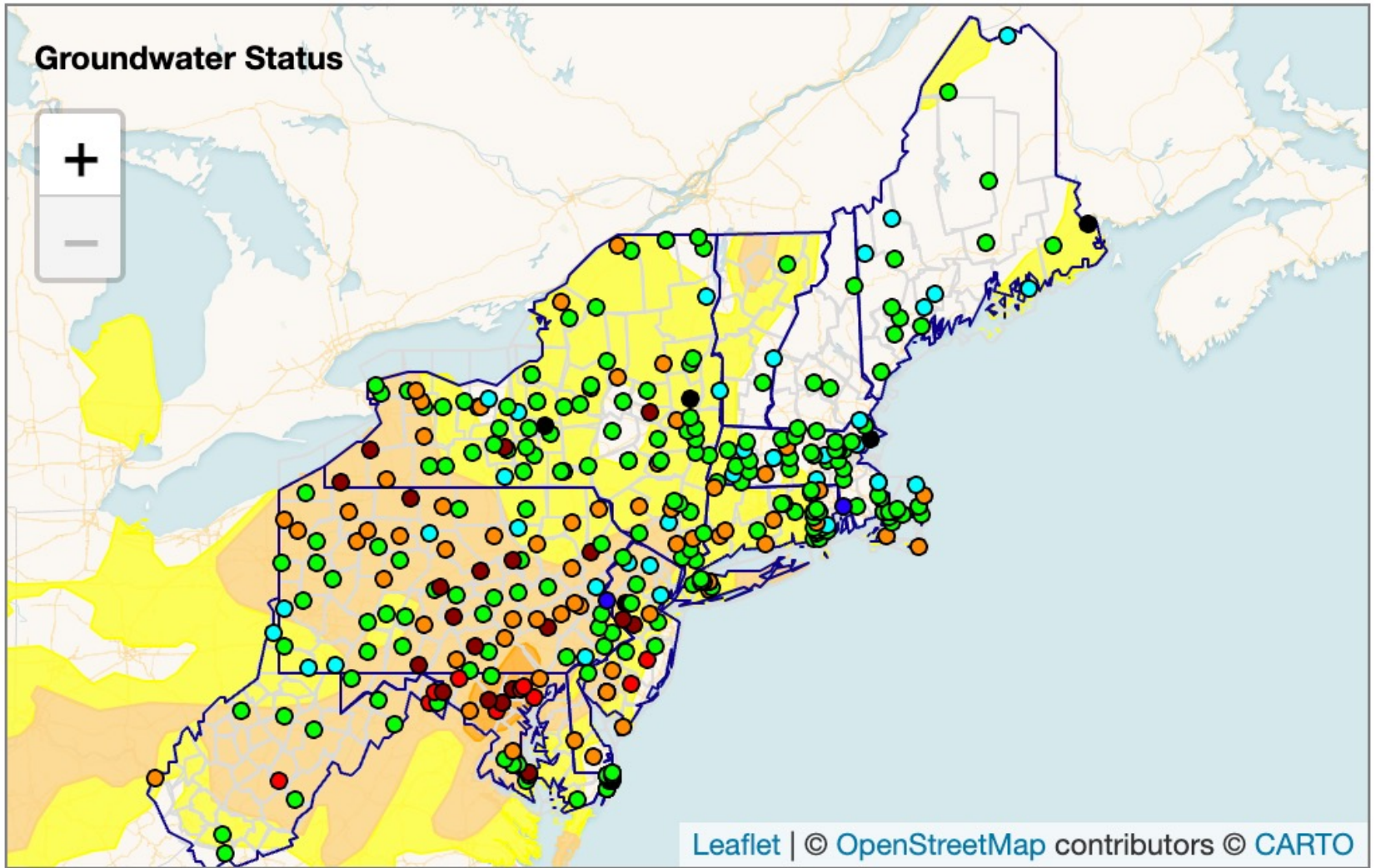
Explanation - Percentile Classes

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

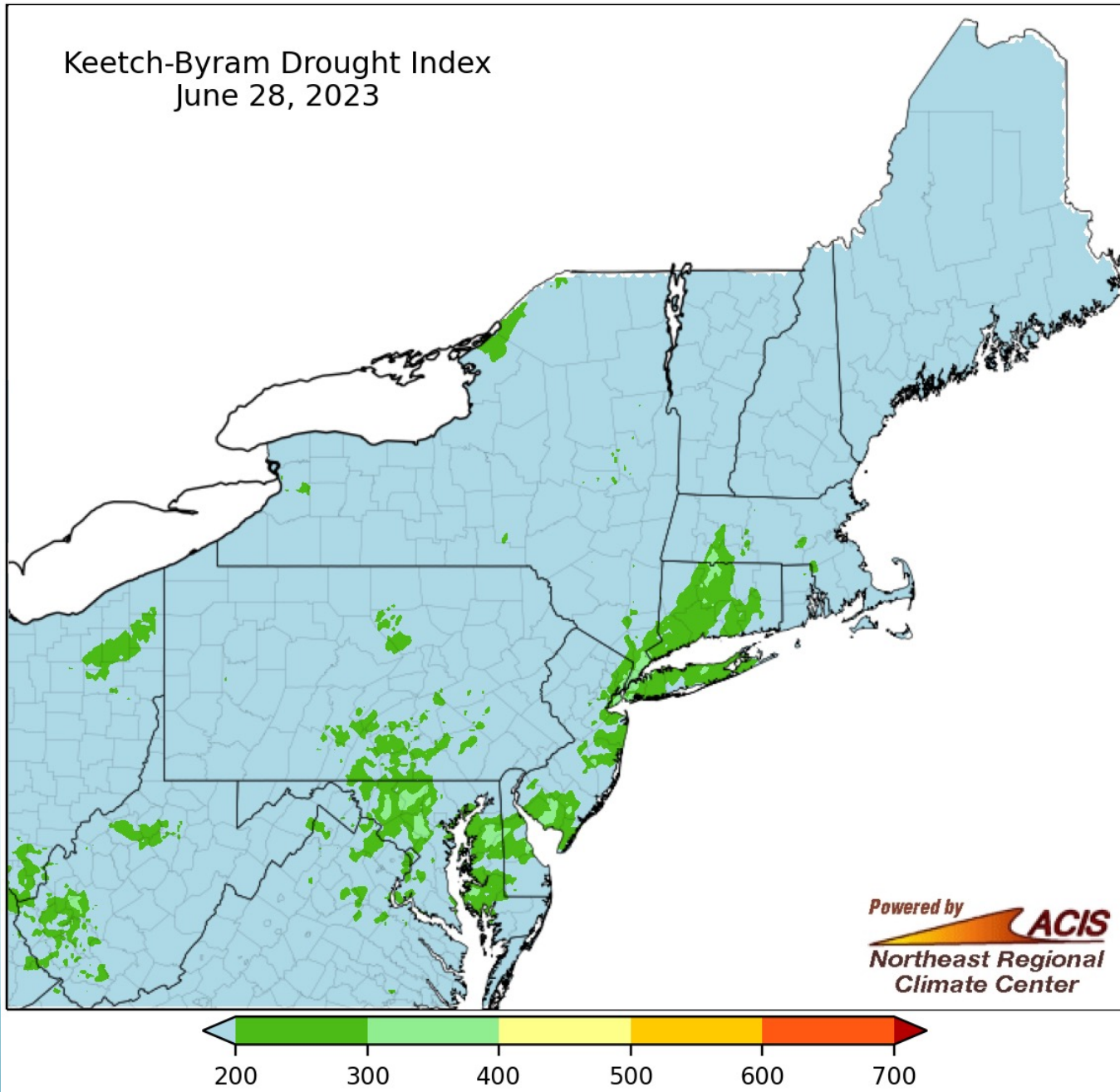
Low	Much below normal	Below normal	Normal	Above normal	Much above normal		High
	<10%	10-24%	25-75%	76-90%	>90%		

Data provided by [USGS Groundwater](#) - [About this map](#); updated 2023-06-29.

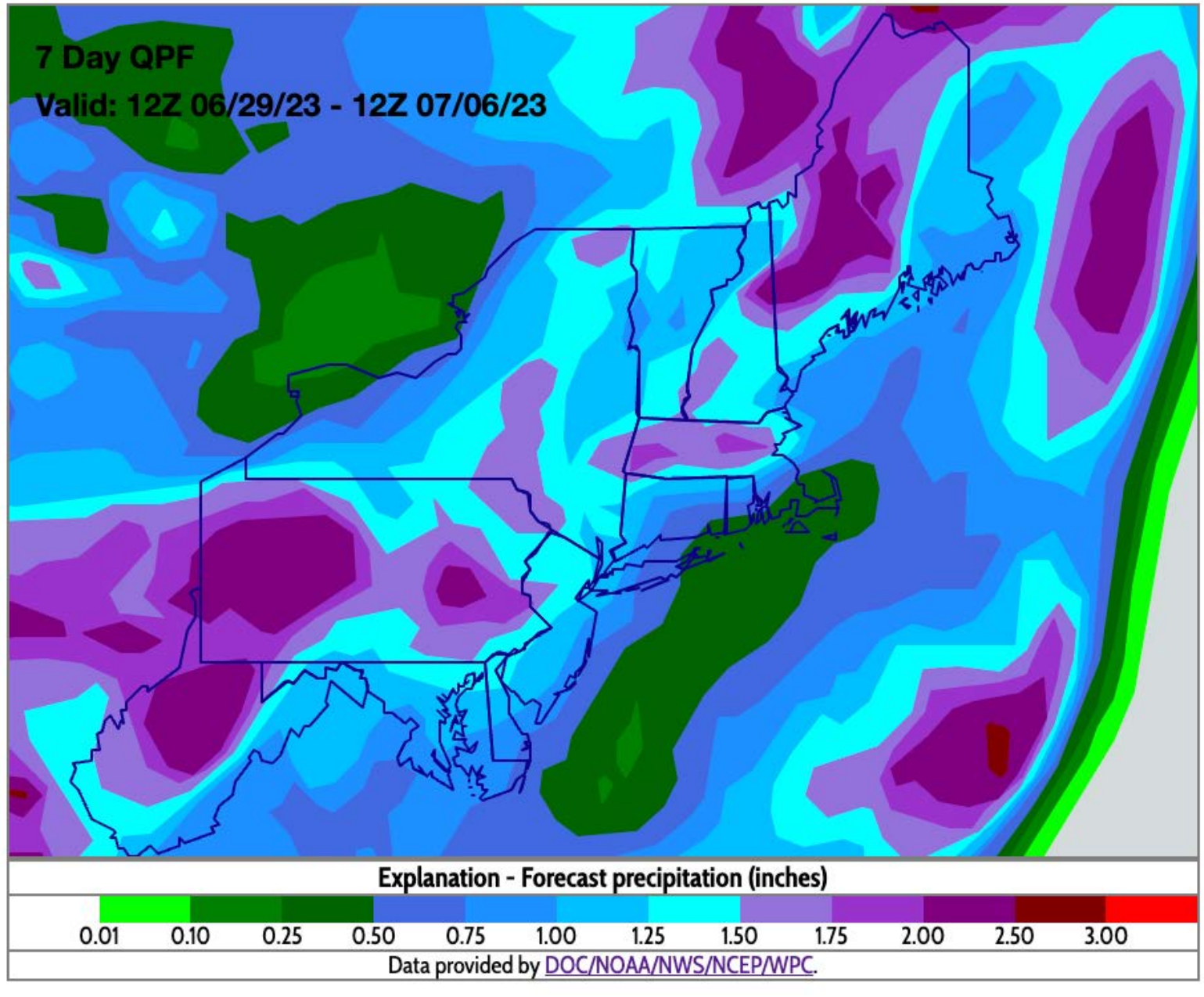


Wildfire Risk

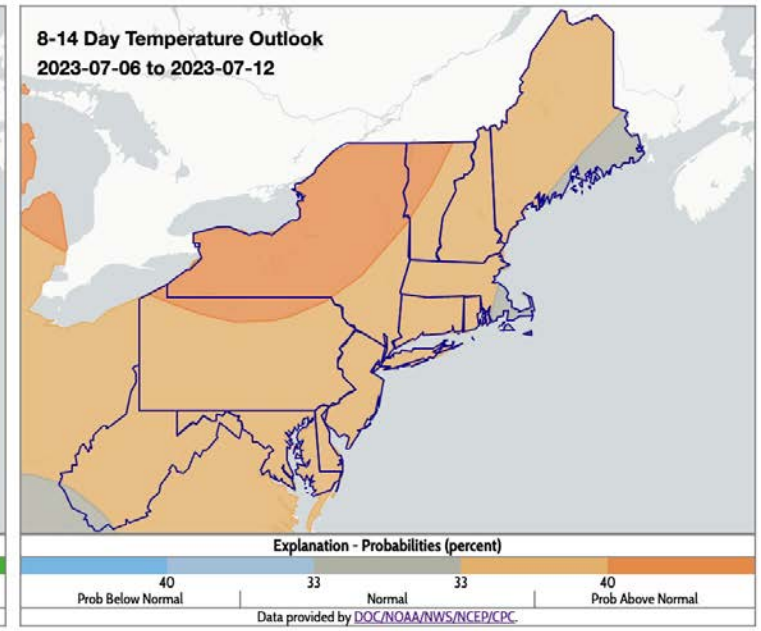
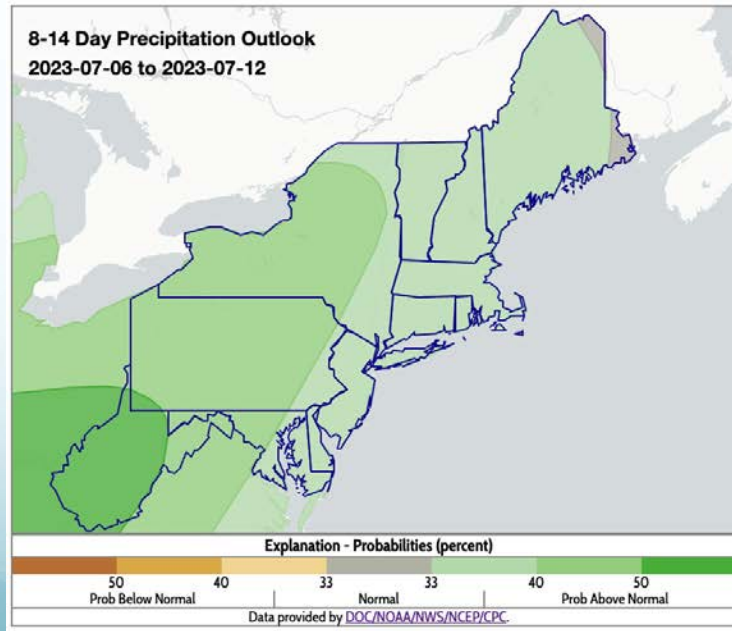
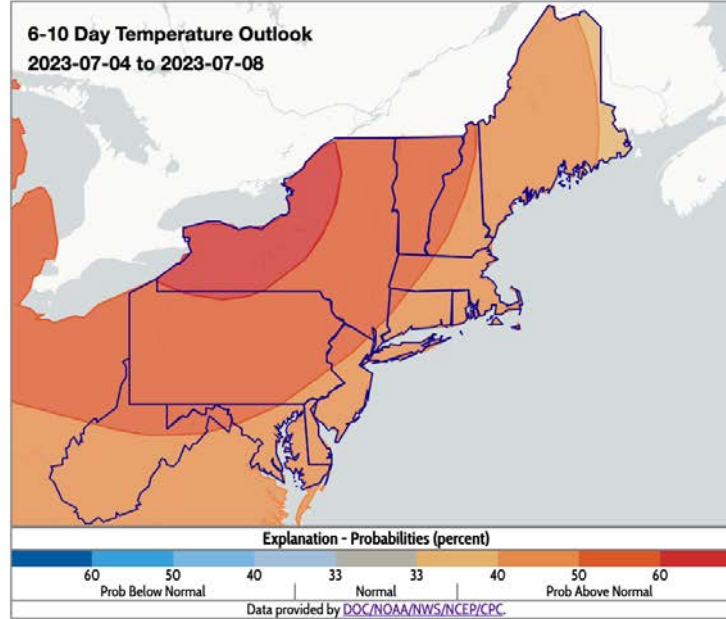
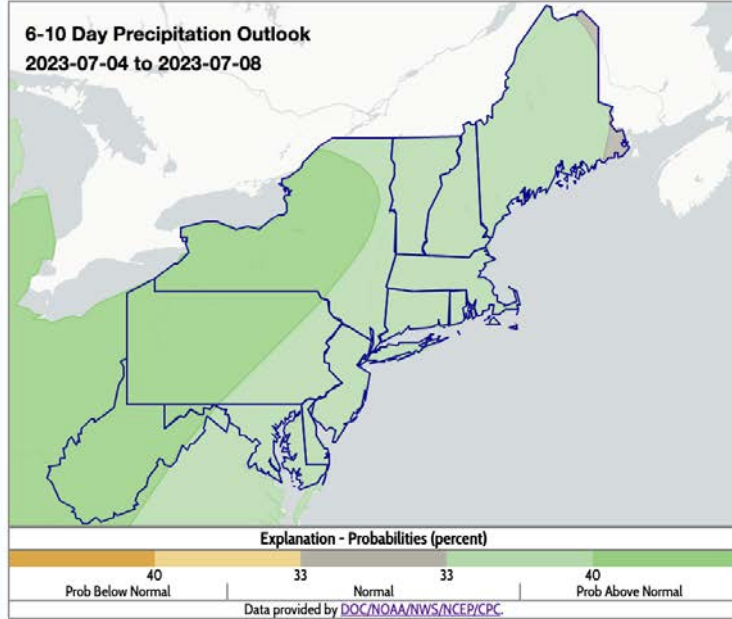
Keetch-Byram Drought Index
June 28, 2023



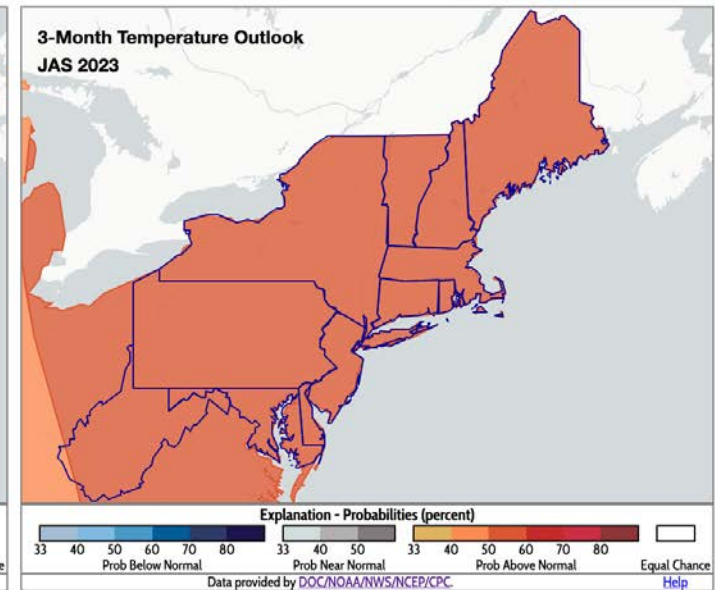
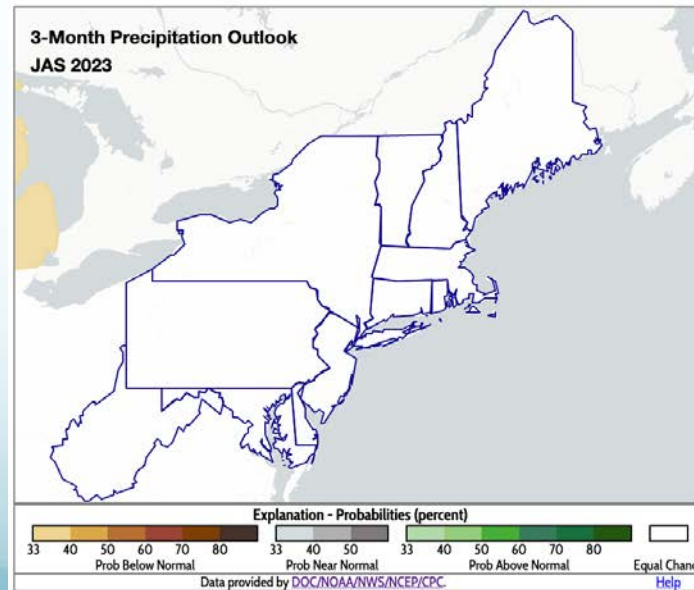
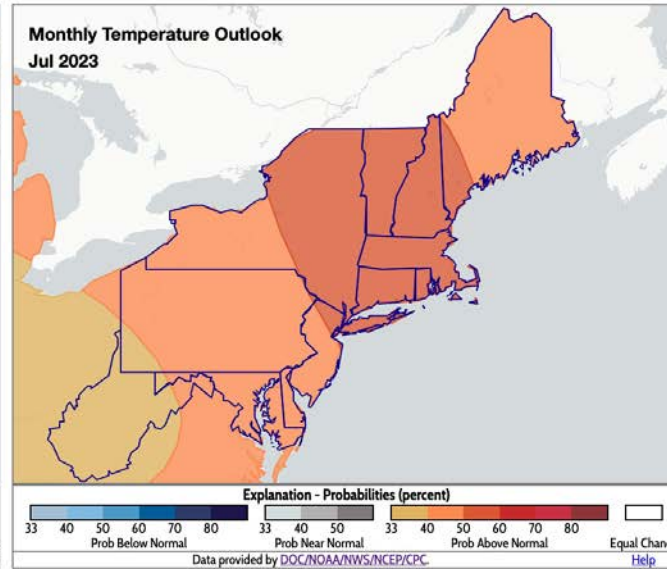
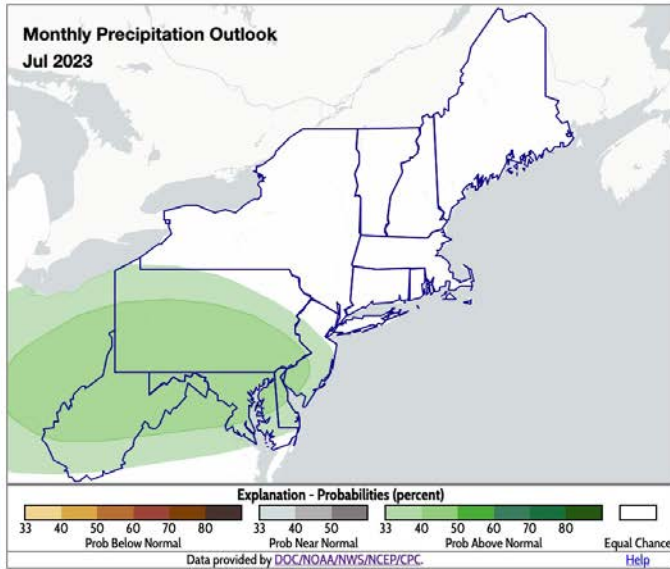
Precipitation Forecast



Short-term Outlooks



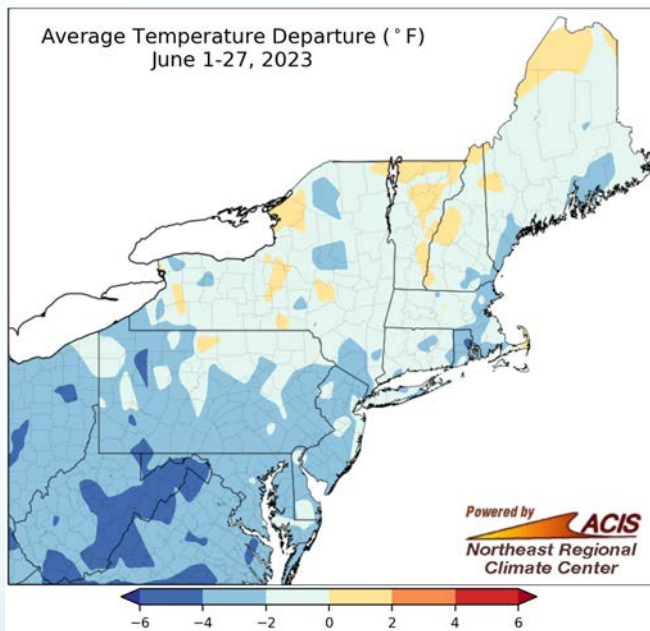
Monthly & 3-Month Outlooks



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



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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