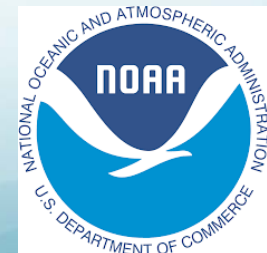


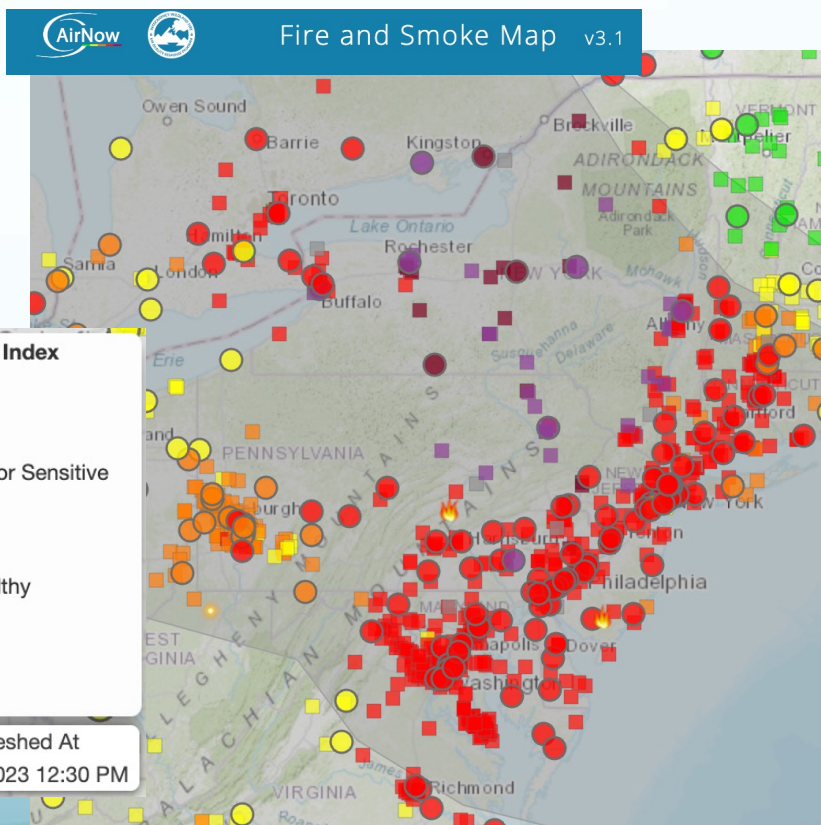
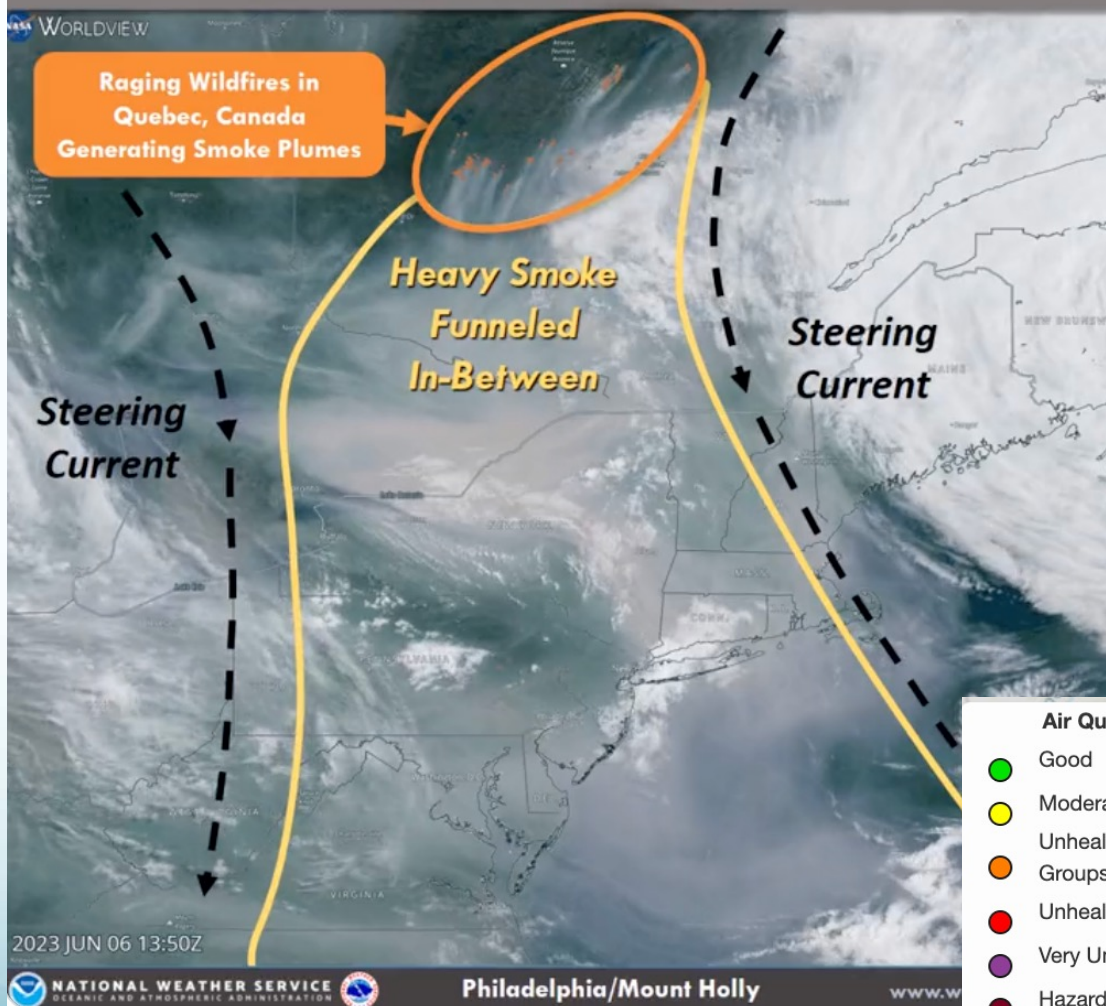
# June Review & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center

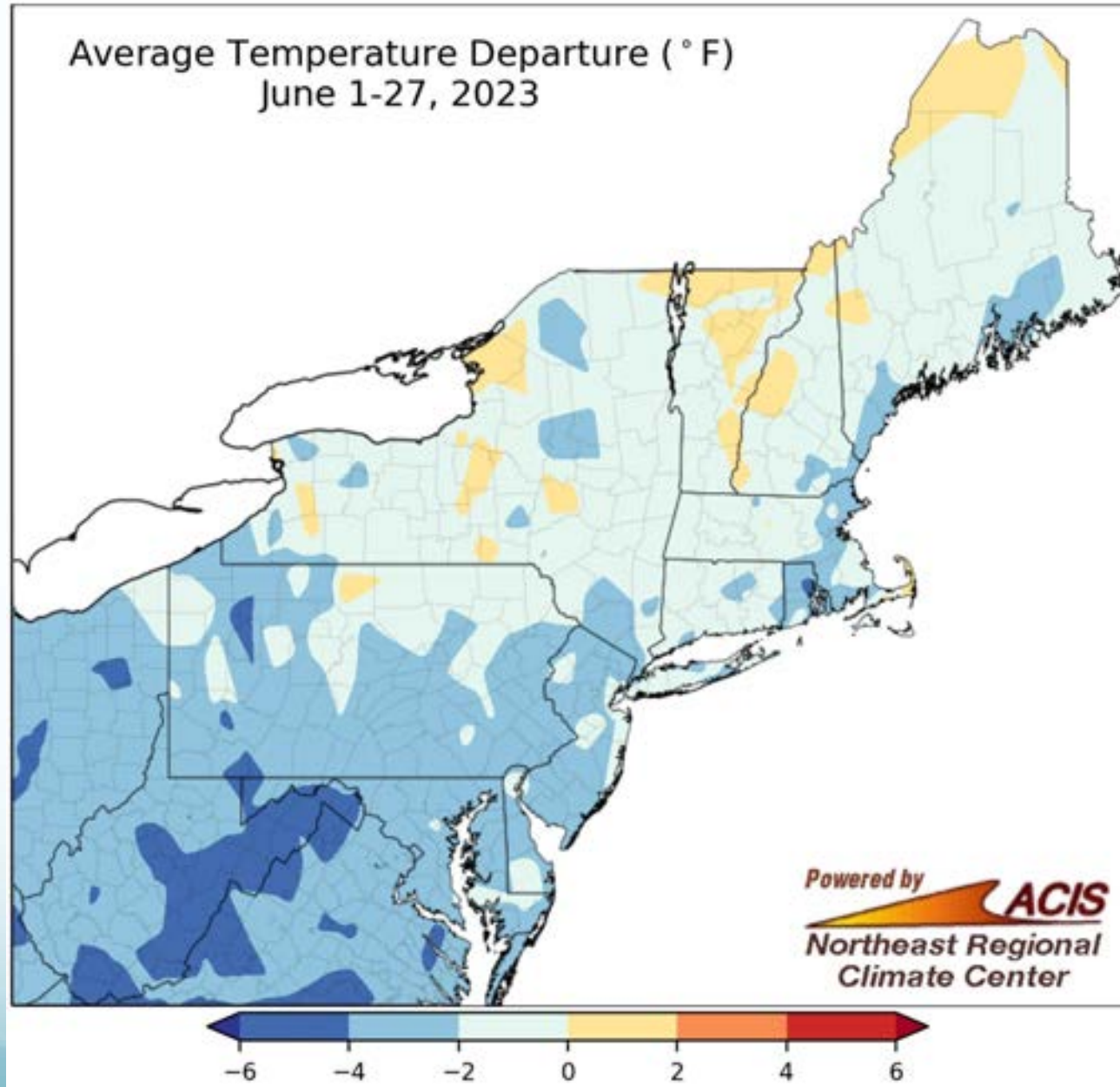


# Early June Weather

## Where Did All the Smoke Come From?



# June Temperatures

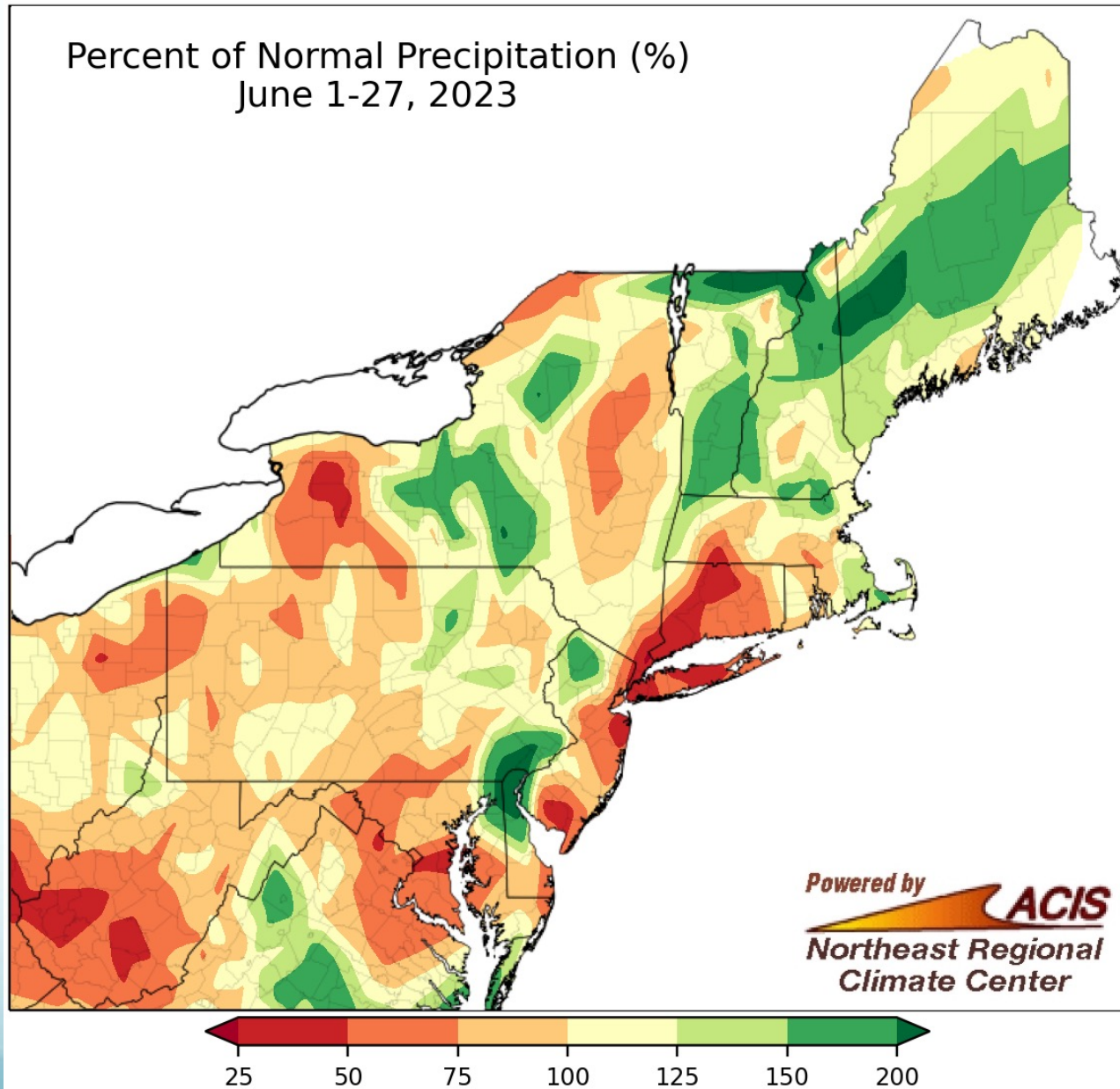


From 6°F below normal to 2°F above normal



# June Precipitation

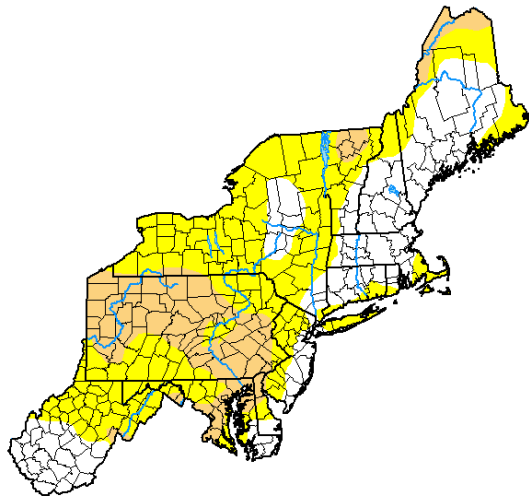
Percent of Normal Precipitation (%)  
June 1-27, 2023



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
<b>Current</b>	32.32	47.42	20.27	0.00	0.00	0.00
<b>Last Week</b> 05-30-2023	50.39	47.26	2.35	0.00	0.00	0.00
<b>3 Months Ago</b> 03-07-2023	98.29	1.71	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2023	90.64	9.16	0.21	0.00	0.00	0.00
<b>Start of Water Year</b> 09-27-2022	69.23	17.83	9.11	3.70	0.14	0.00
<b>One Year Ago</b> 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>

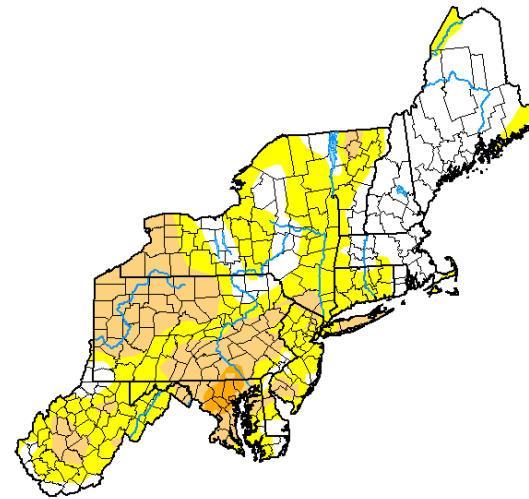
Author

Lindsay Johnson  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://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
<b>Current</b>	34.94	39.89	23.80	1.37	0.00	0.00
<b>Last Week</b> 06-20-2023	28.52	37.35	32.61	1.52	0.00	0.00
<b>3 Months Ago</b> 03-28-2023	92.34	6.36	1.30	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2023	90.64	9.16	0.21	0.00	0.00	0.00
<b>Start of Water Year</b> 09-27-2022	69.23	17.83	9.11	3.70	0.14	0.00
<b>One Year Ago</b> 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
- 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

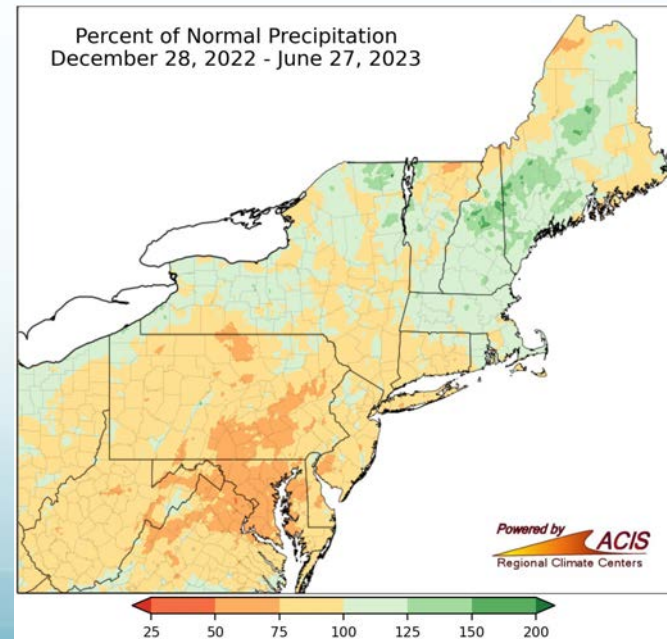
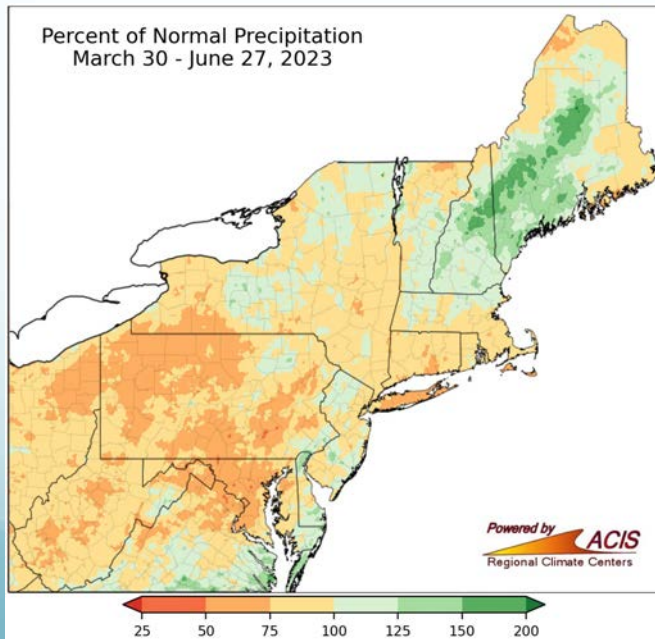
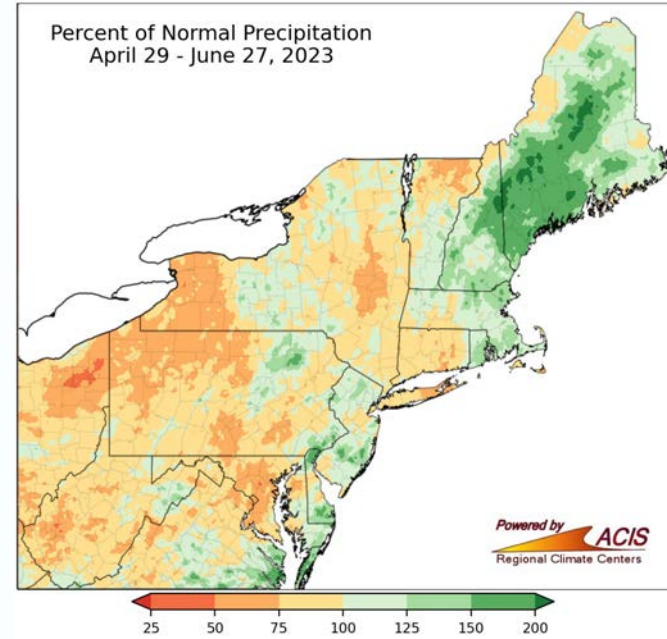
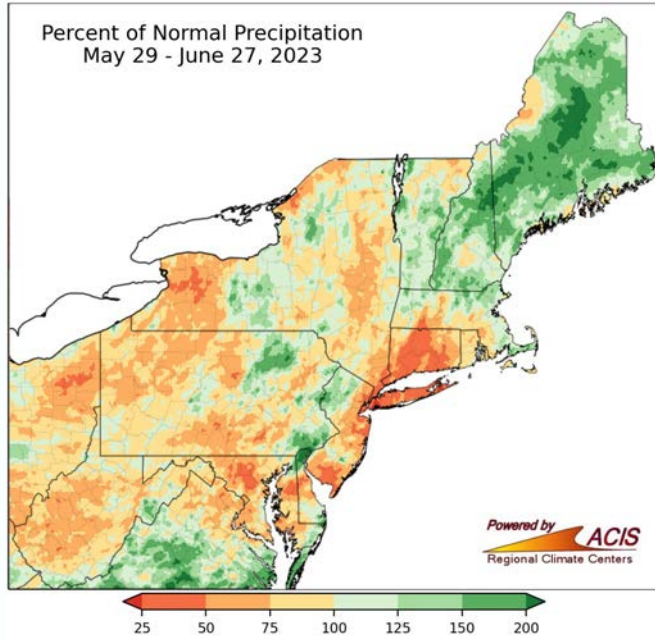
Curtis Riganti  
National Drought Mitigation Center



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

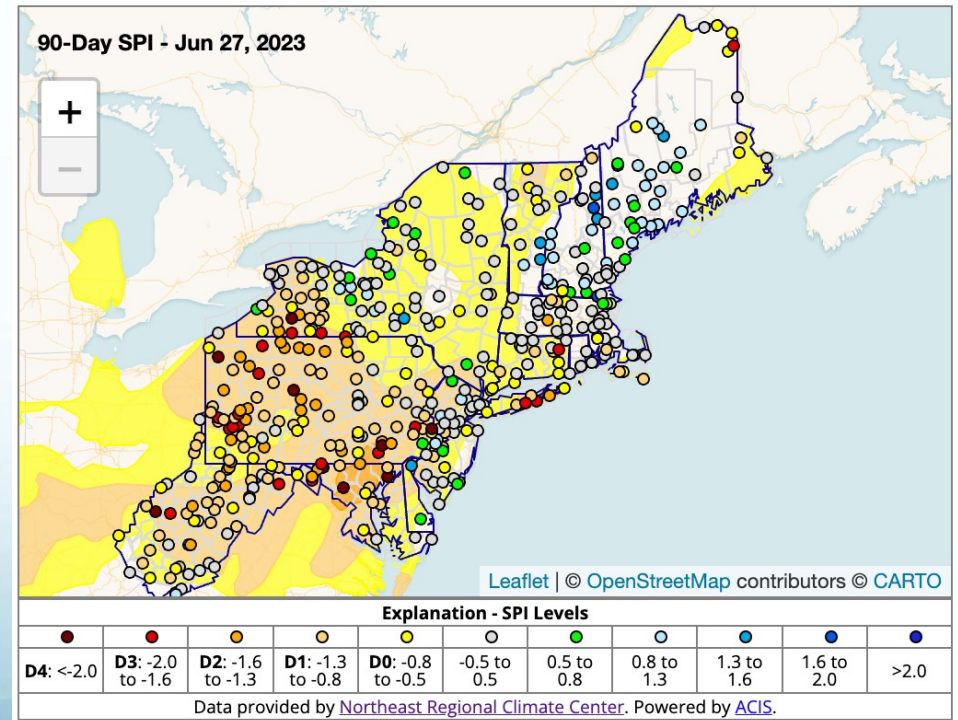
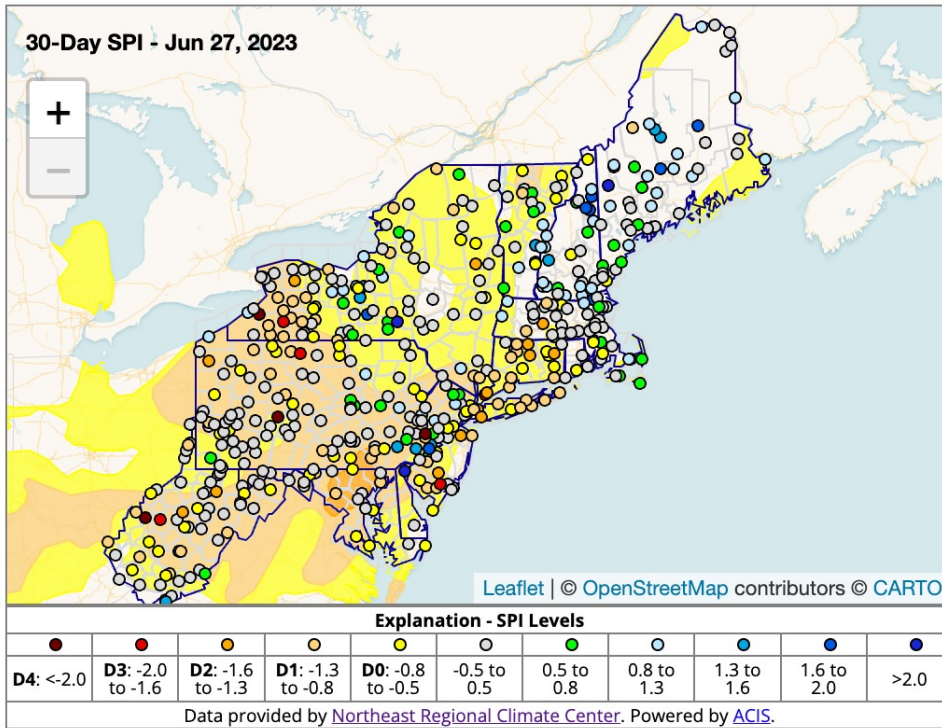


# Precipitation

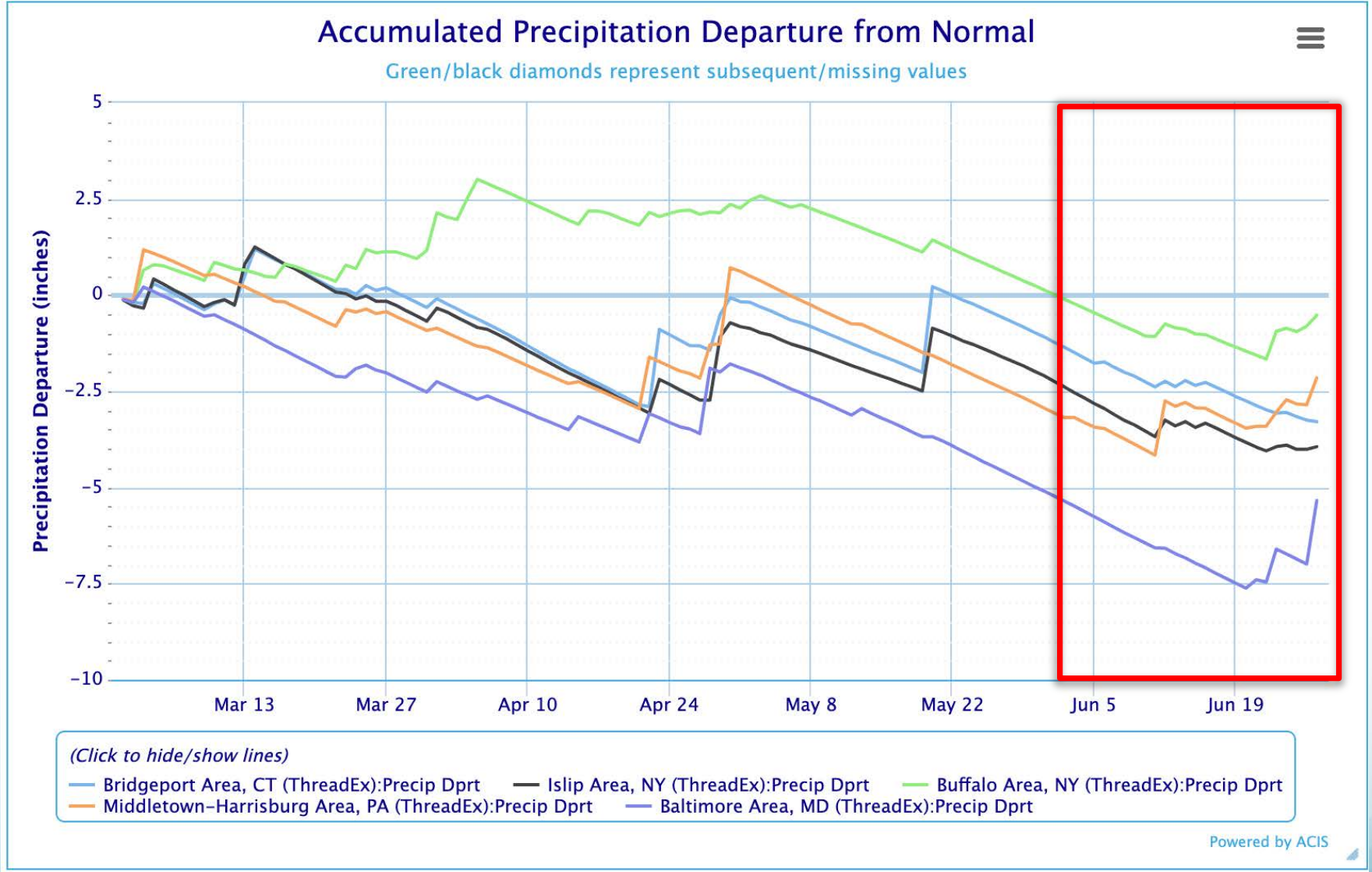




# Standardized Precipitation Index



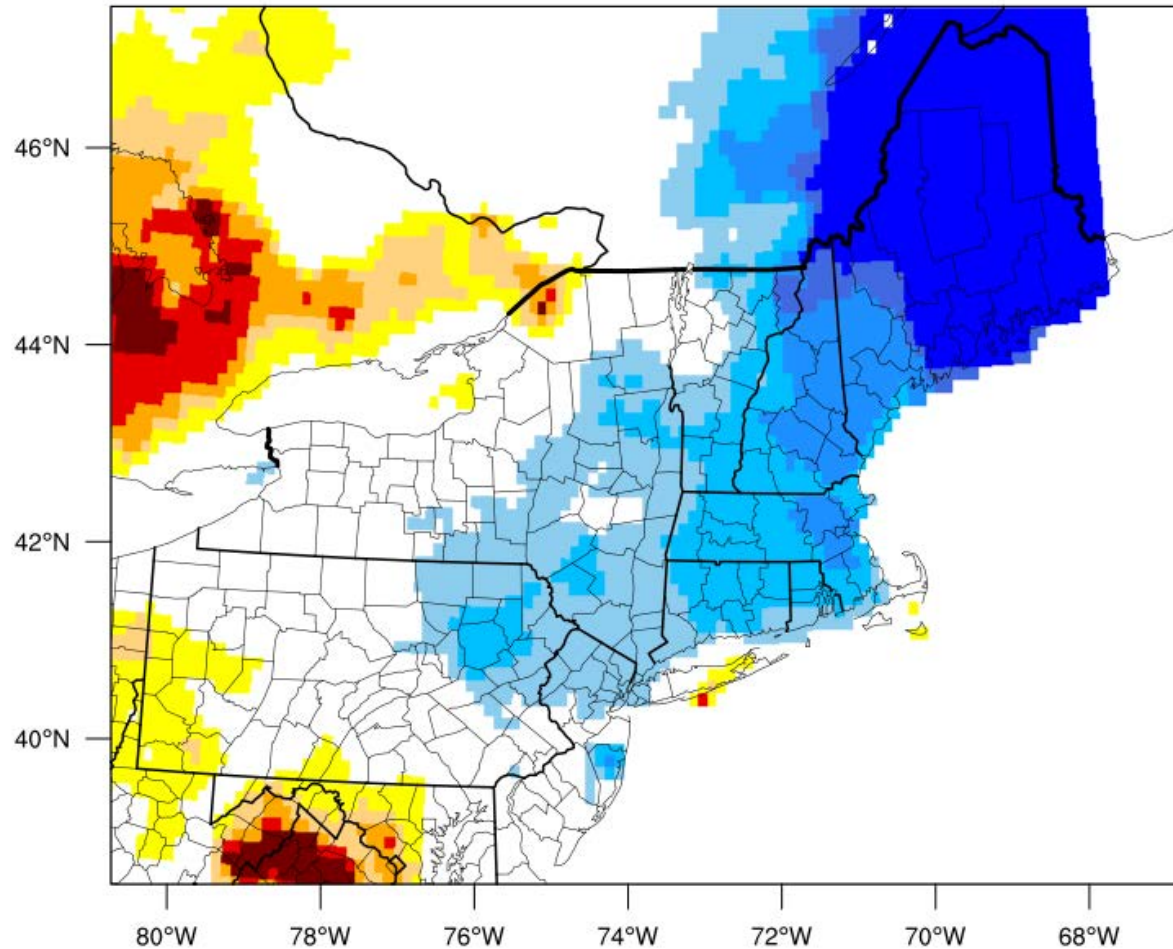
# Precipitation





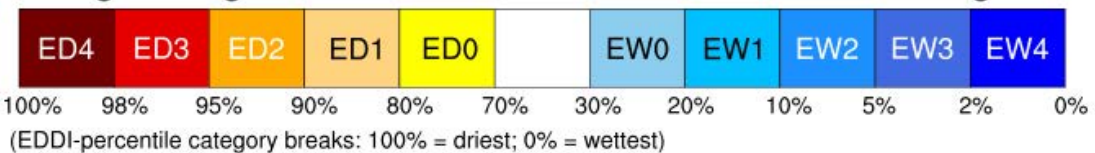
# Evap. Demand Drought Index

3-week EDDI categories for June 23, 2023



Drought categories

Wetness categories

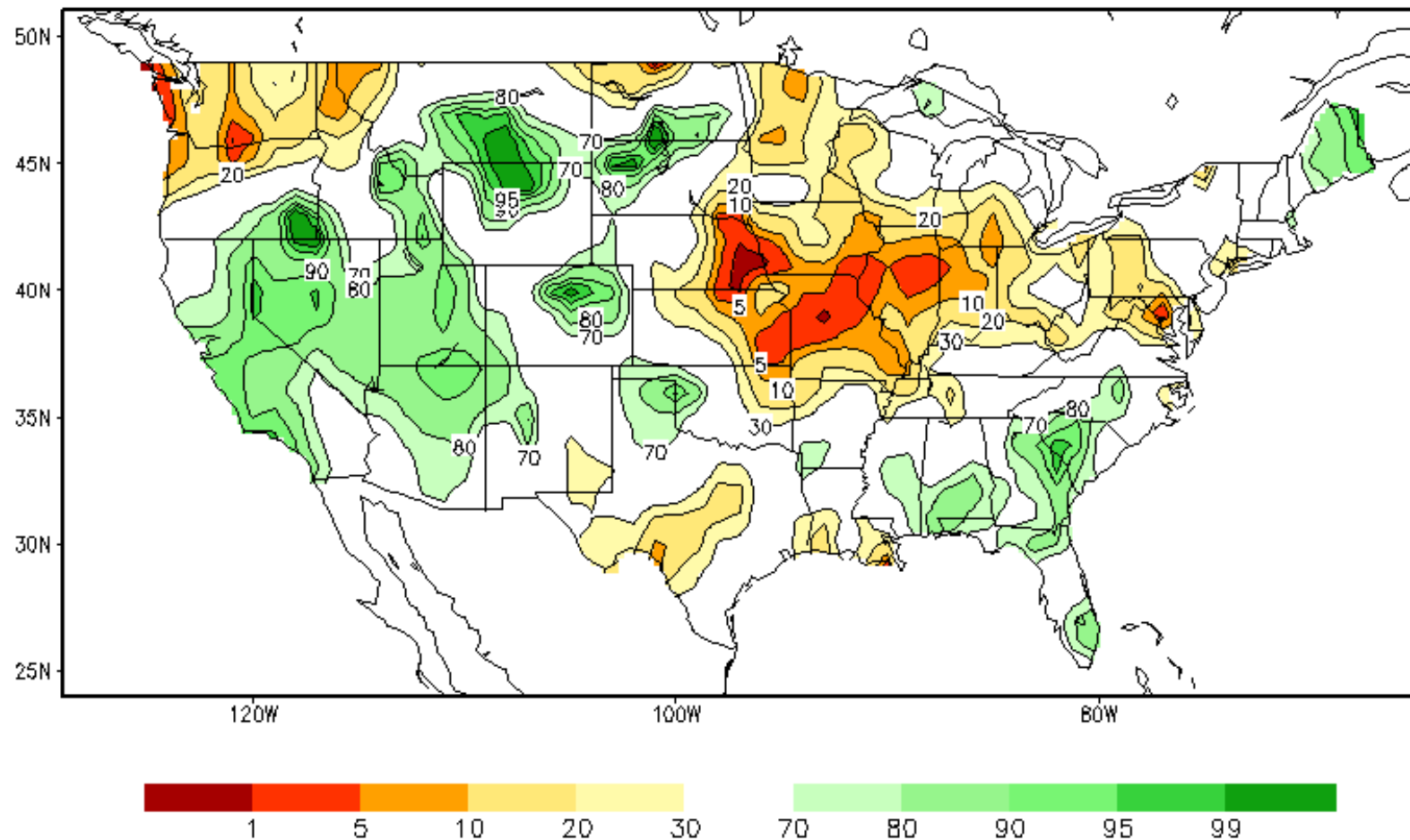


Generated by NOAA/ESRL/Physical Sciences Laboratory



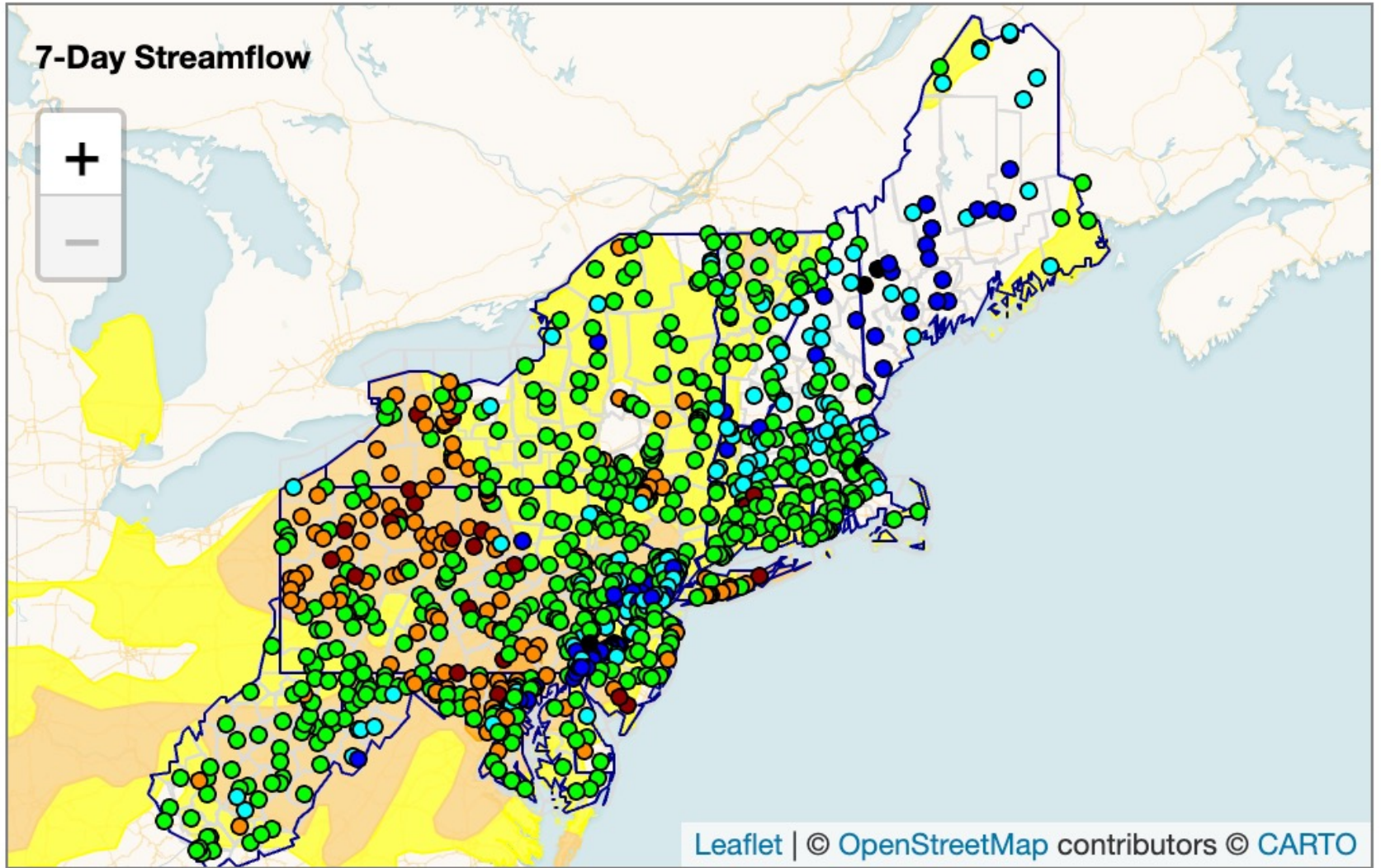
# Soil Moisture

Calculated Soil Moisture Ranking Percentile  
JUN 27, 2023



Courtesy of  
NOAA CPC

# Streamflow



## Explanation - Percentile Classes

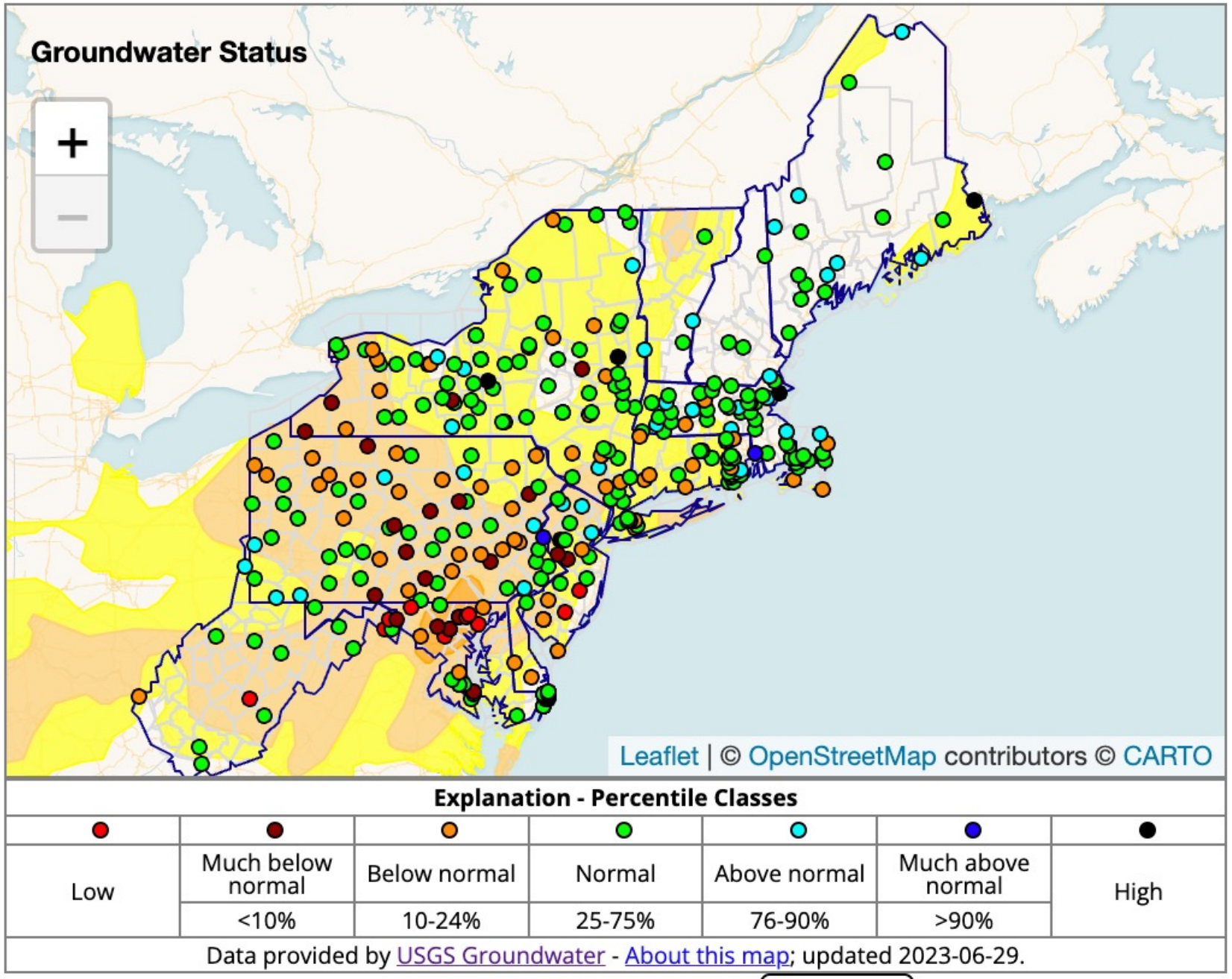
Low	Much below normal	Below normal	Normal	Above normal	Much above normal		High
	<10%	10-24%	25-75%	76-90%	>90%		

Data provided by [USGS WaterWatch - Streamflow](#); updated 2023-06-28.



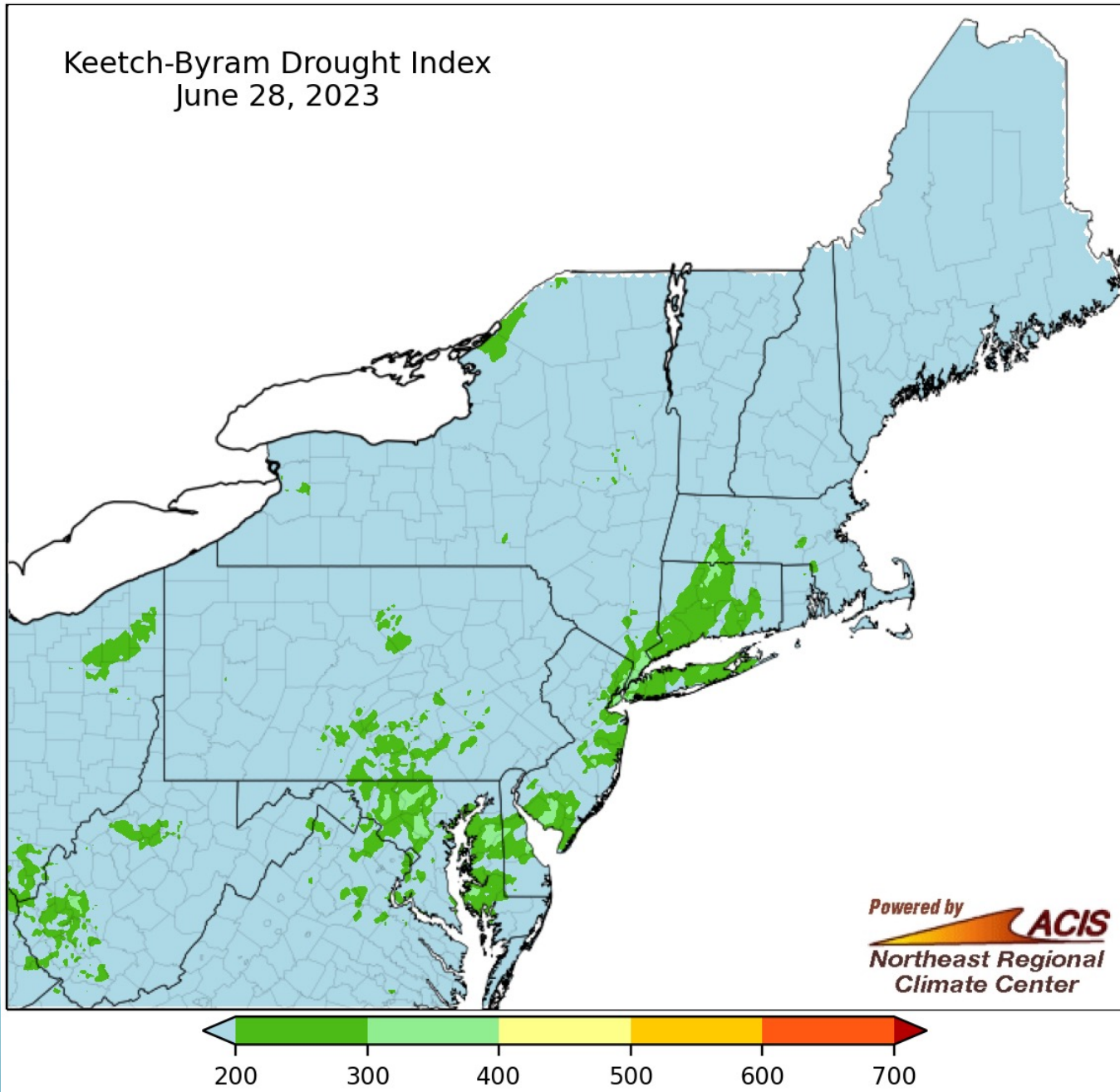


# Groundwater



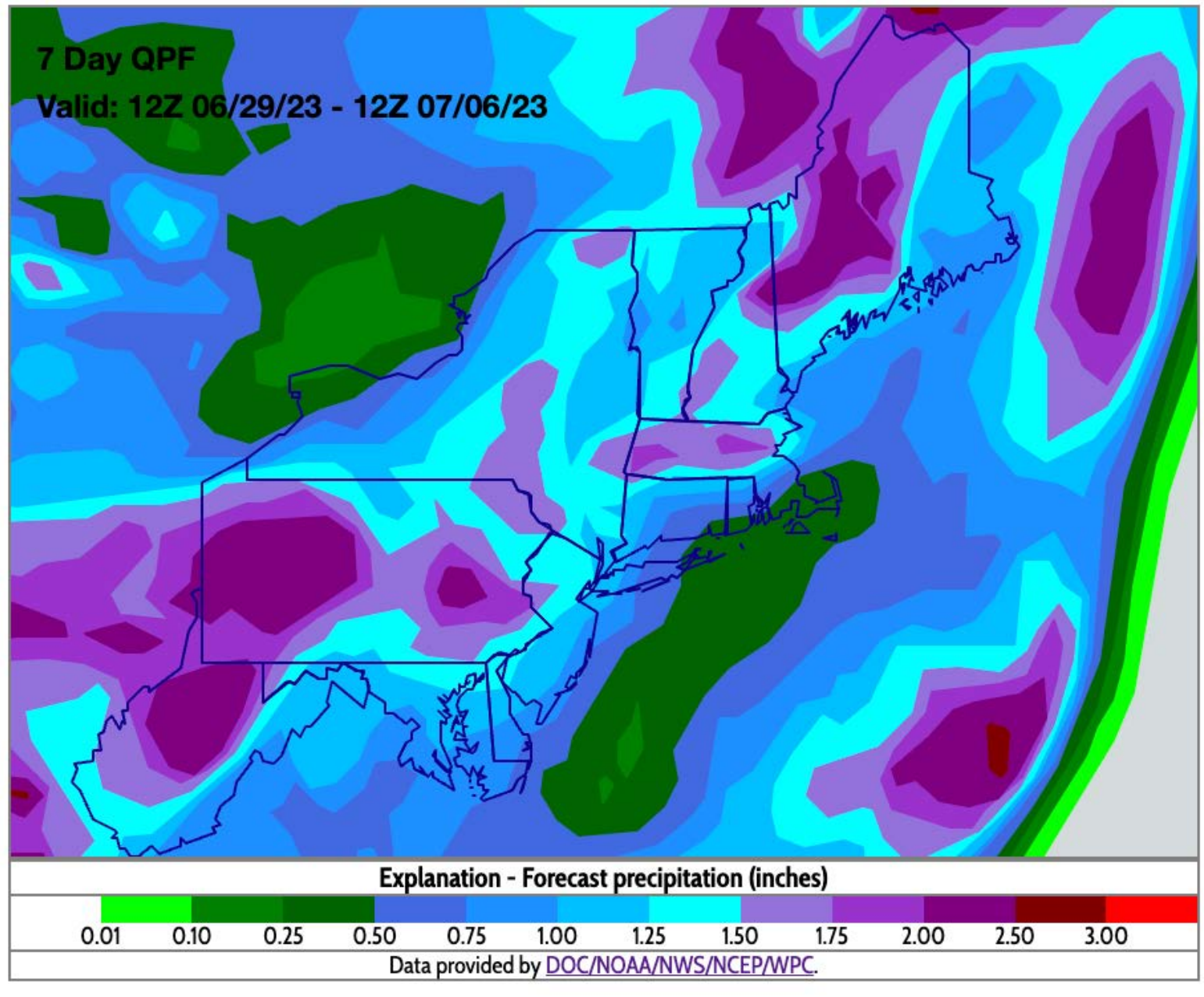
# Wildfire Risk

Keetch-Byram Drought Index  
June 28, 2023



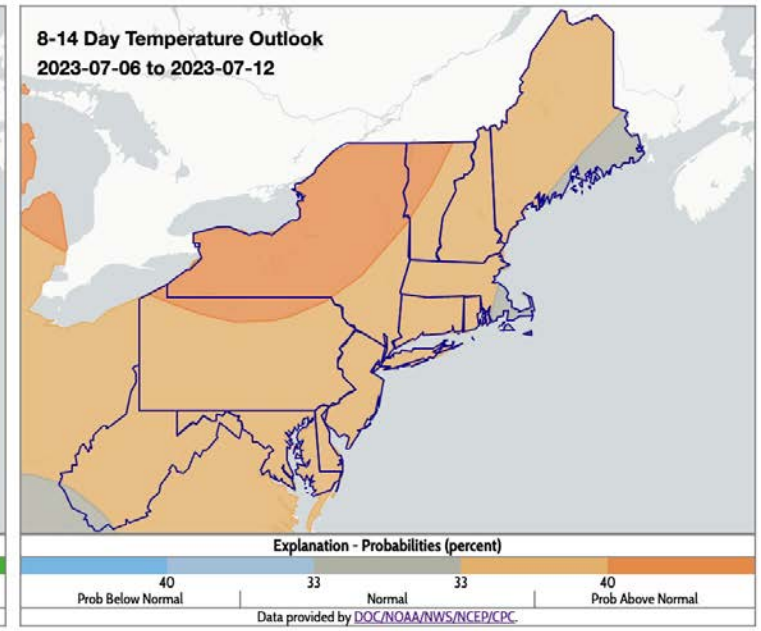
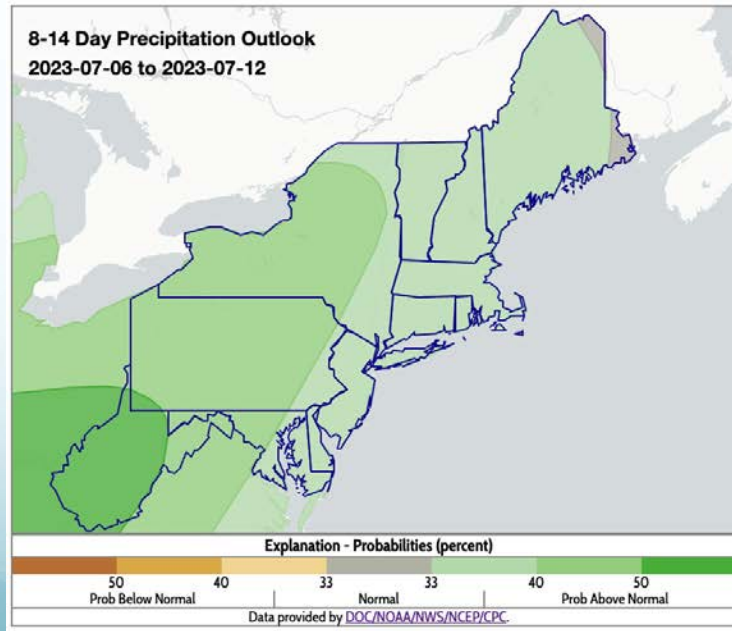
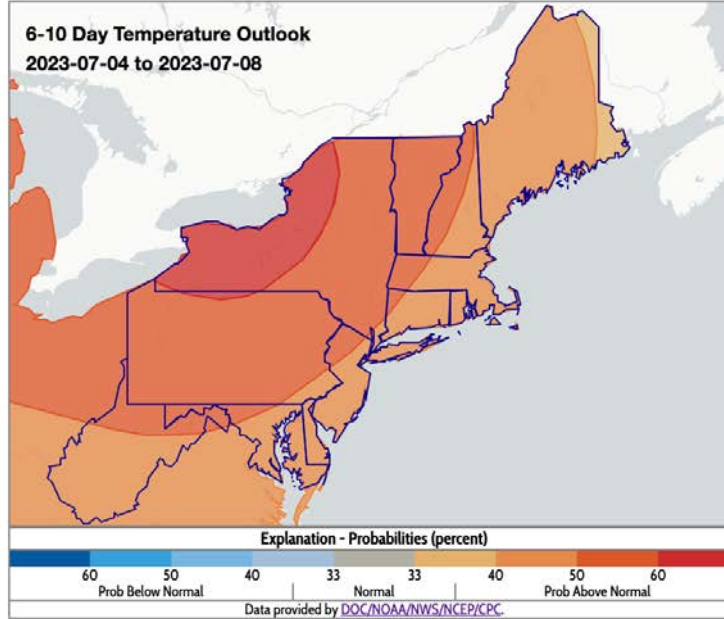
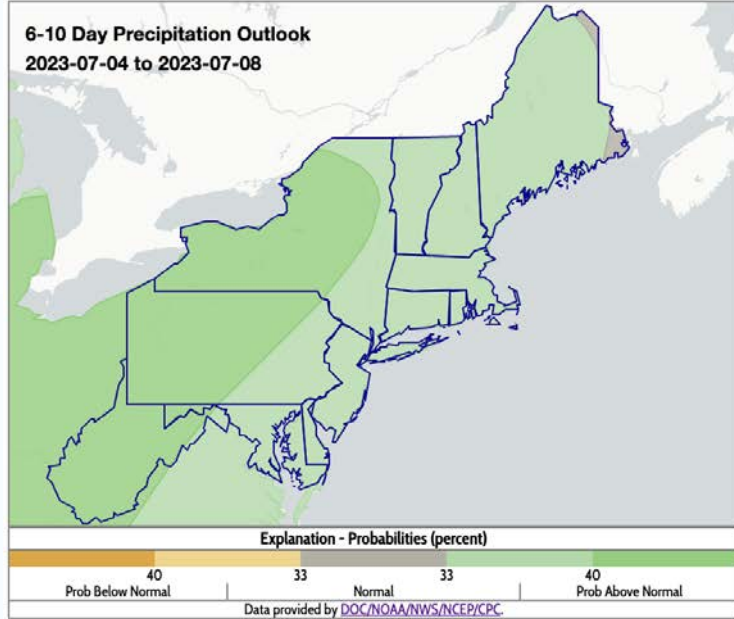


# Precipitation Forecast

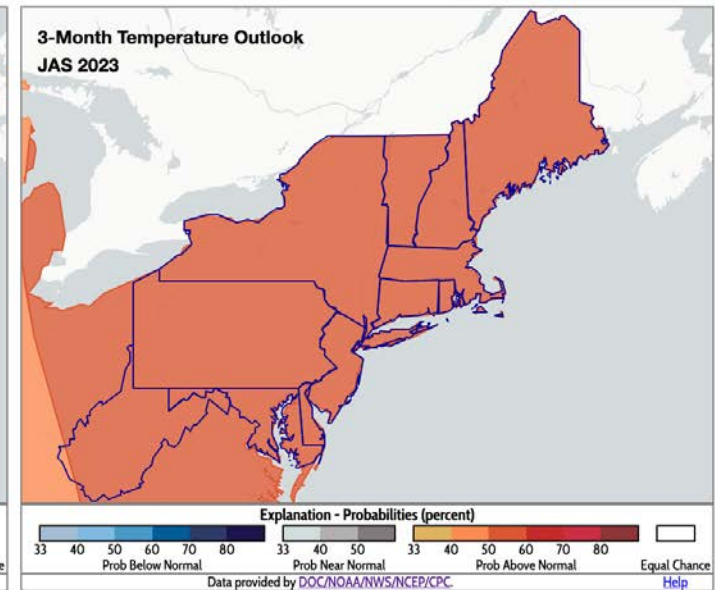
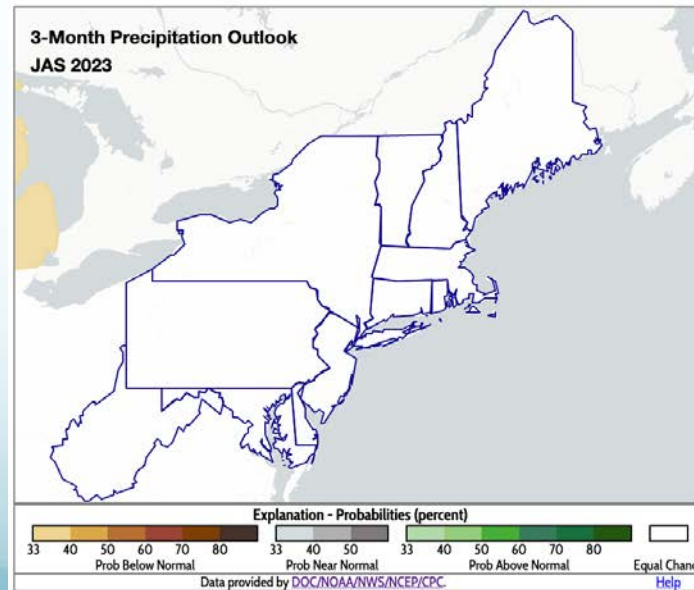
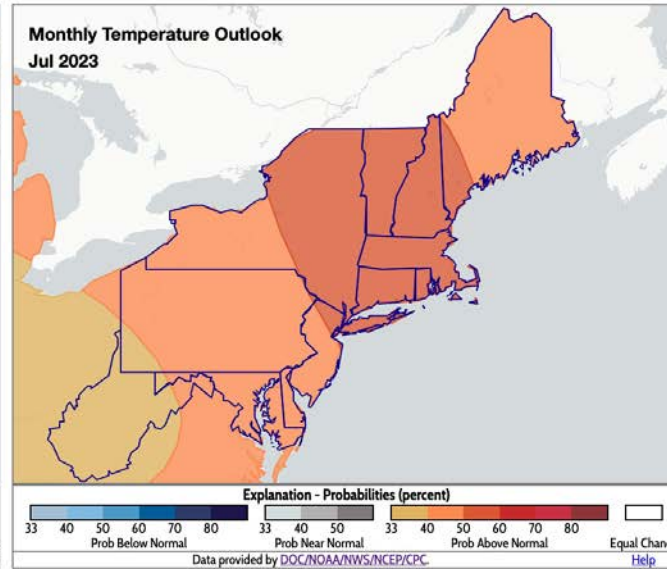
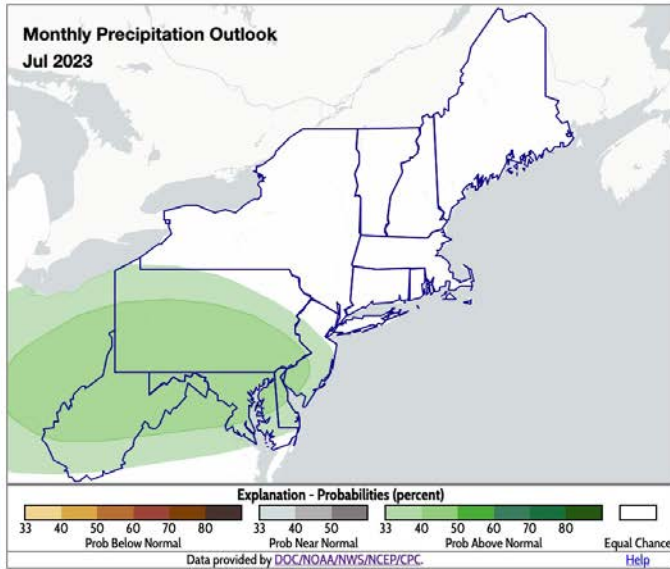




# Short-term Outlooks



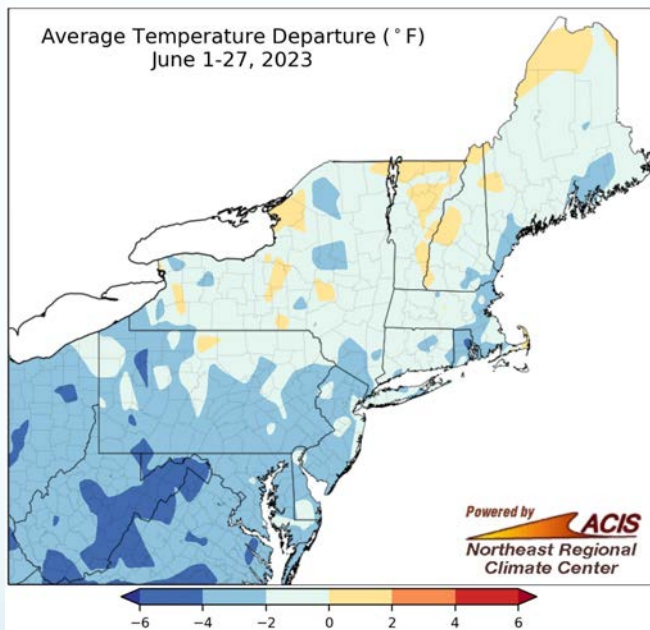
# Monthly & 3-Month Outlooks



# 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](mailto: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



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