

May Recap & Northeast DEWS Discussion

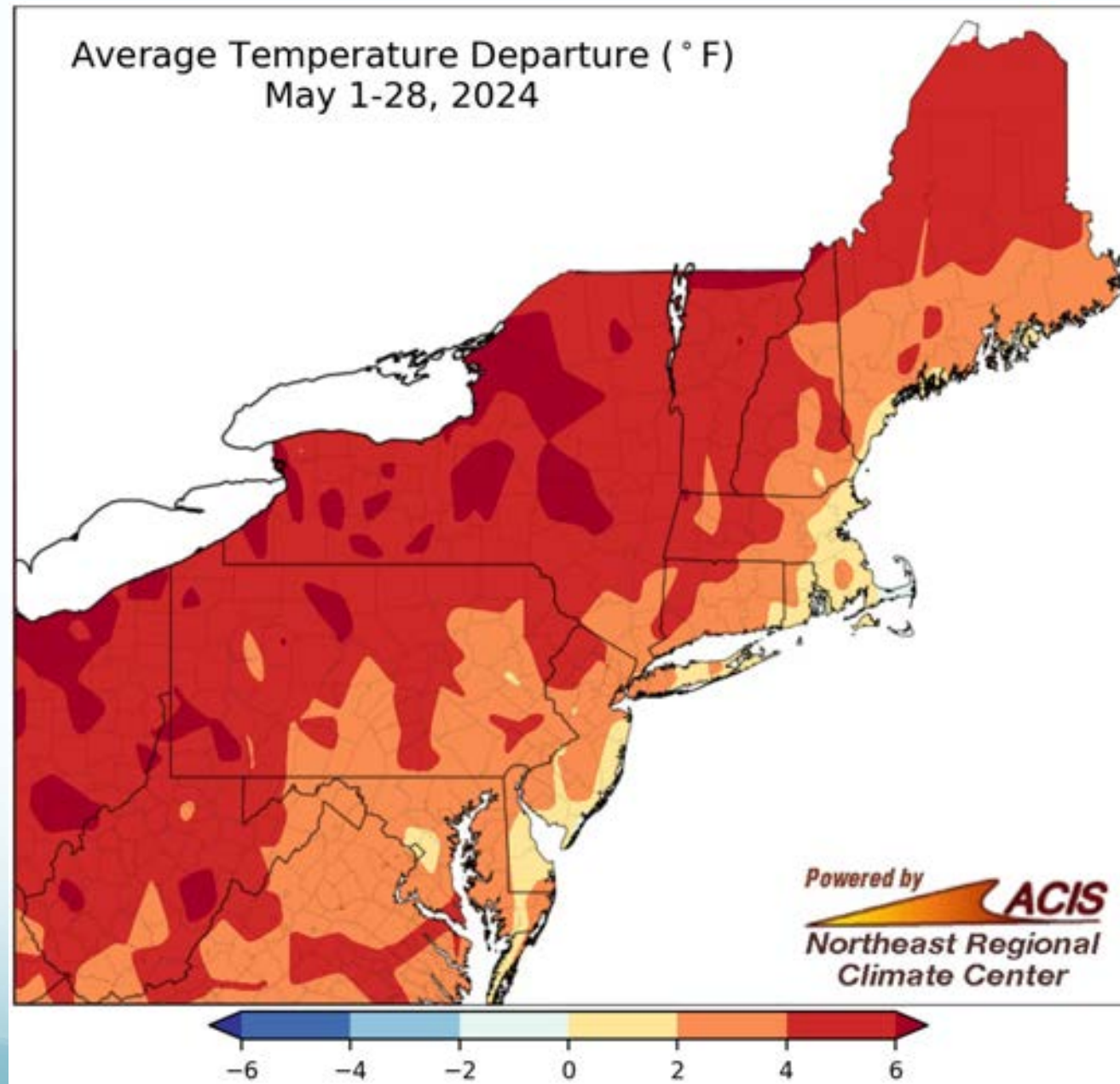
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center



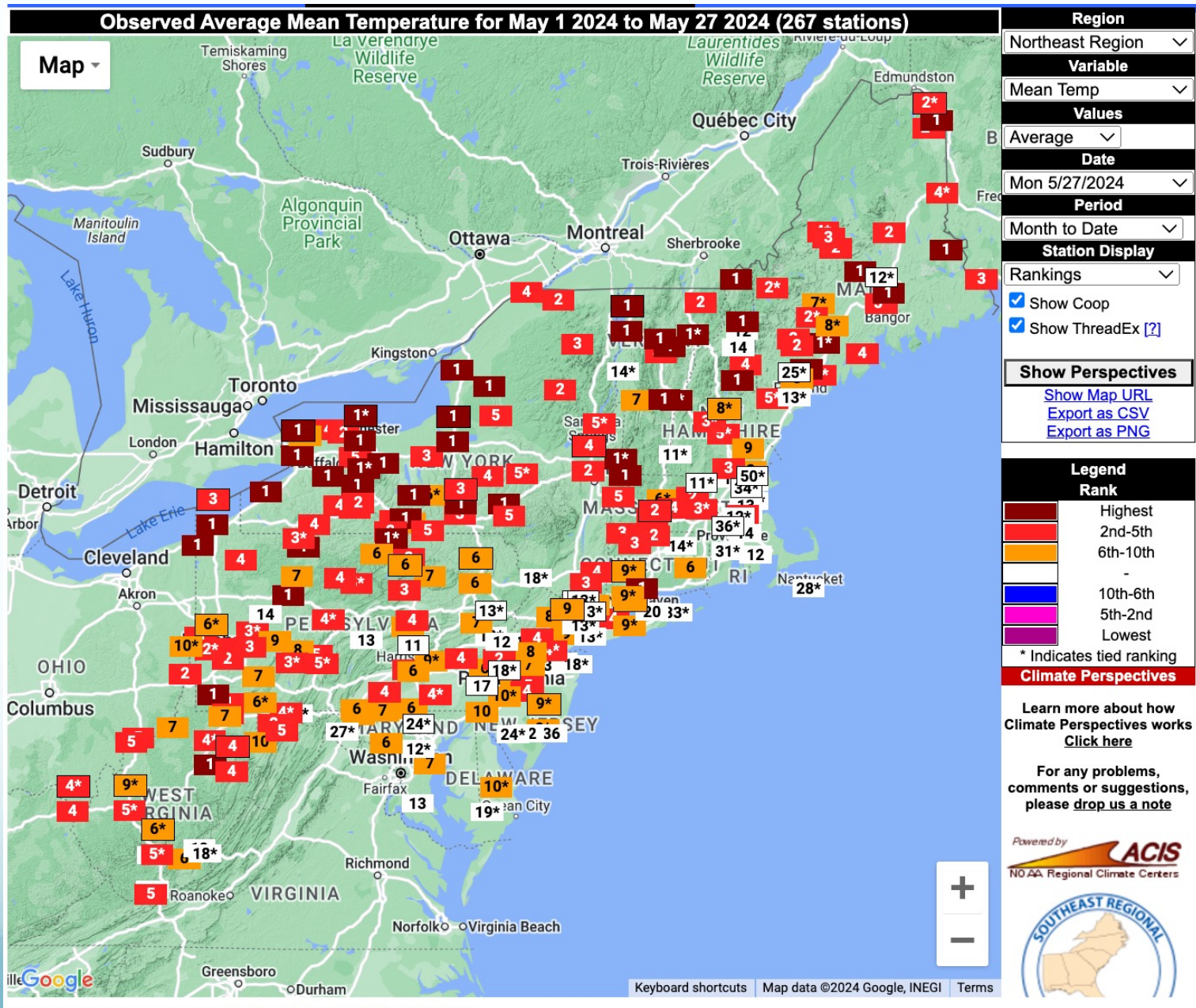
May Temperatures



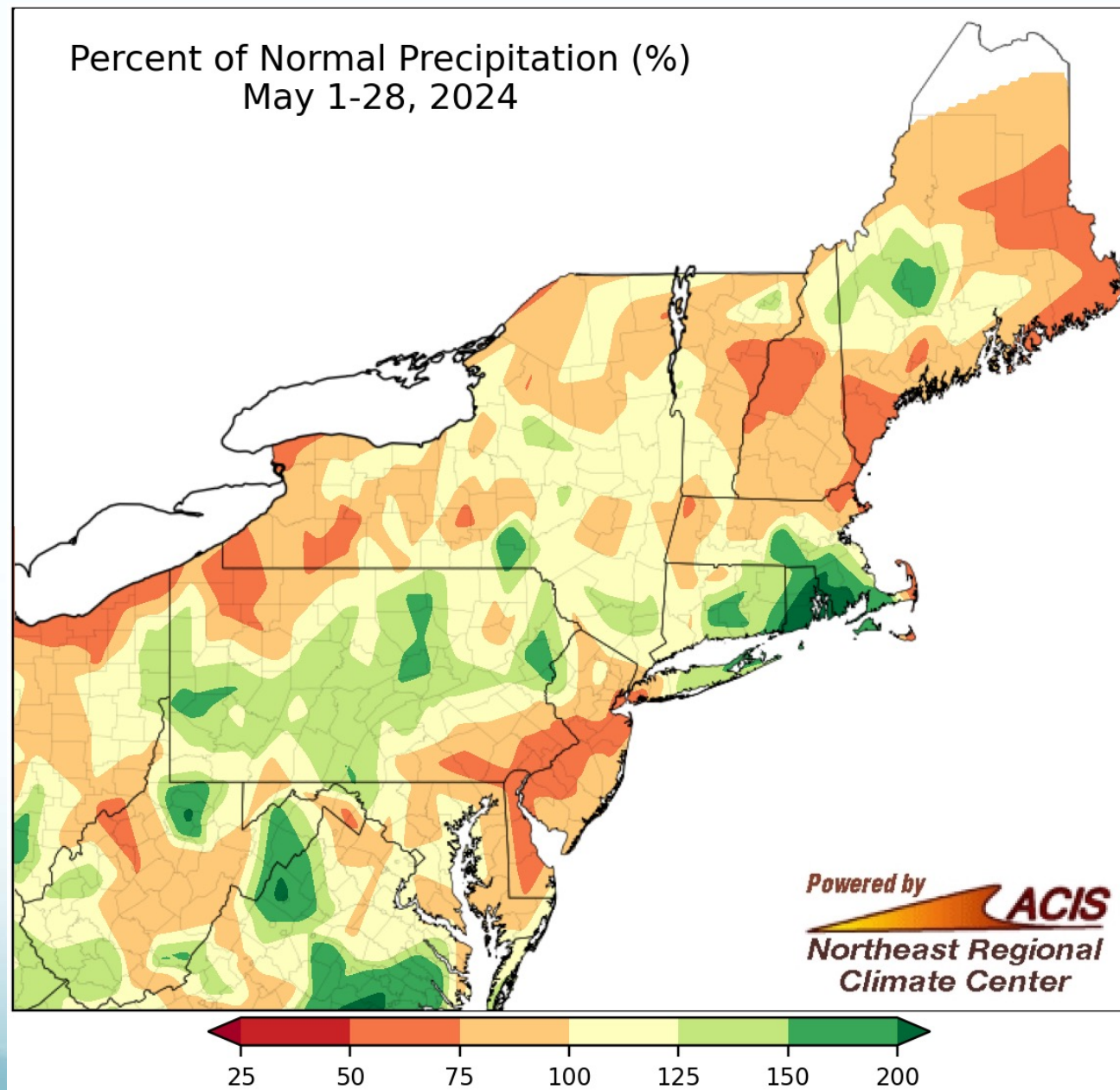
From near normal to more than 6°F above normal



May Temperatures

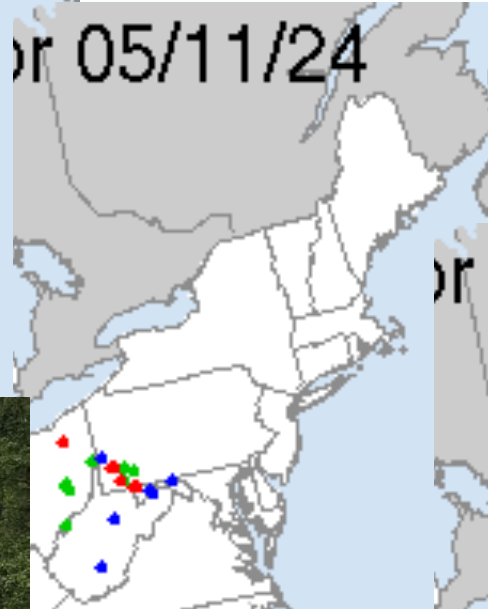
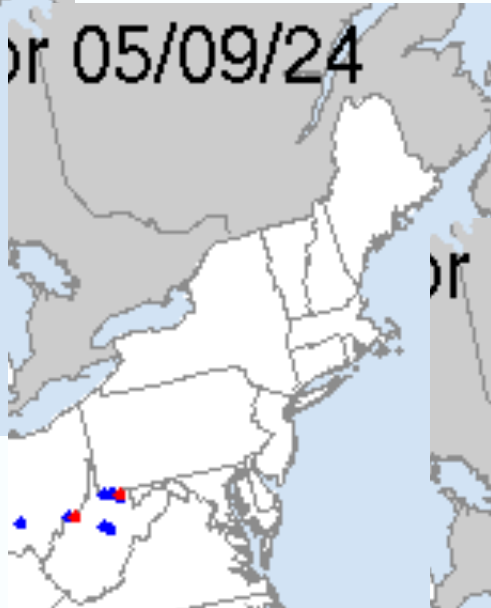
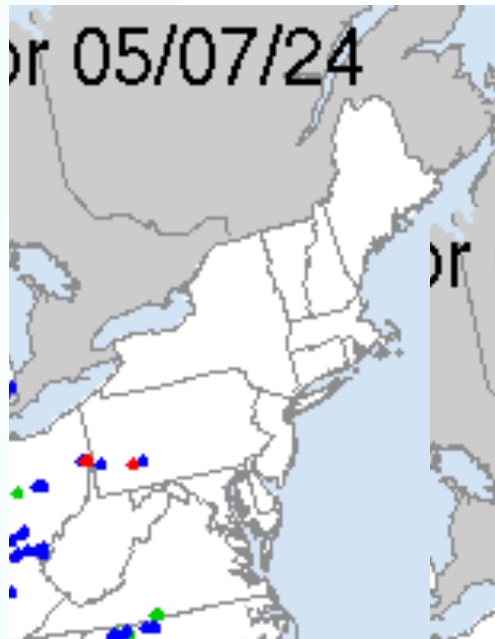


May Precipitation

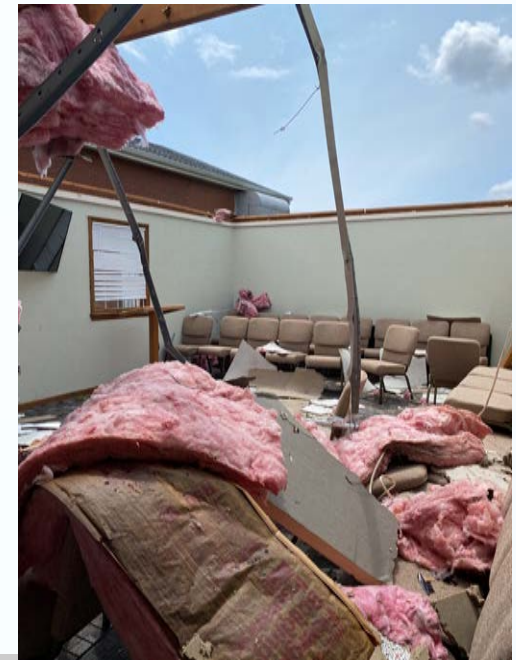


From 50% of normal to more than 200% of normal

May Storms



Northeast –
18 tornadoes in May;
average is 6



Courtesy of
NWS PBZ

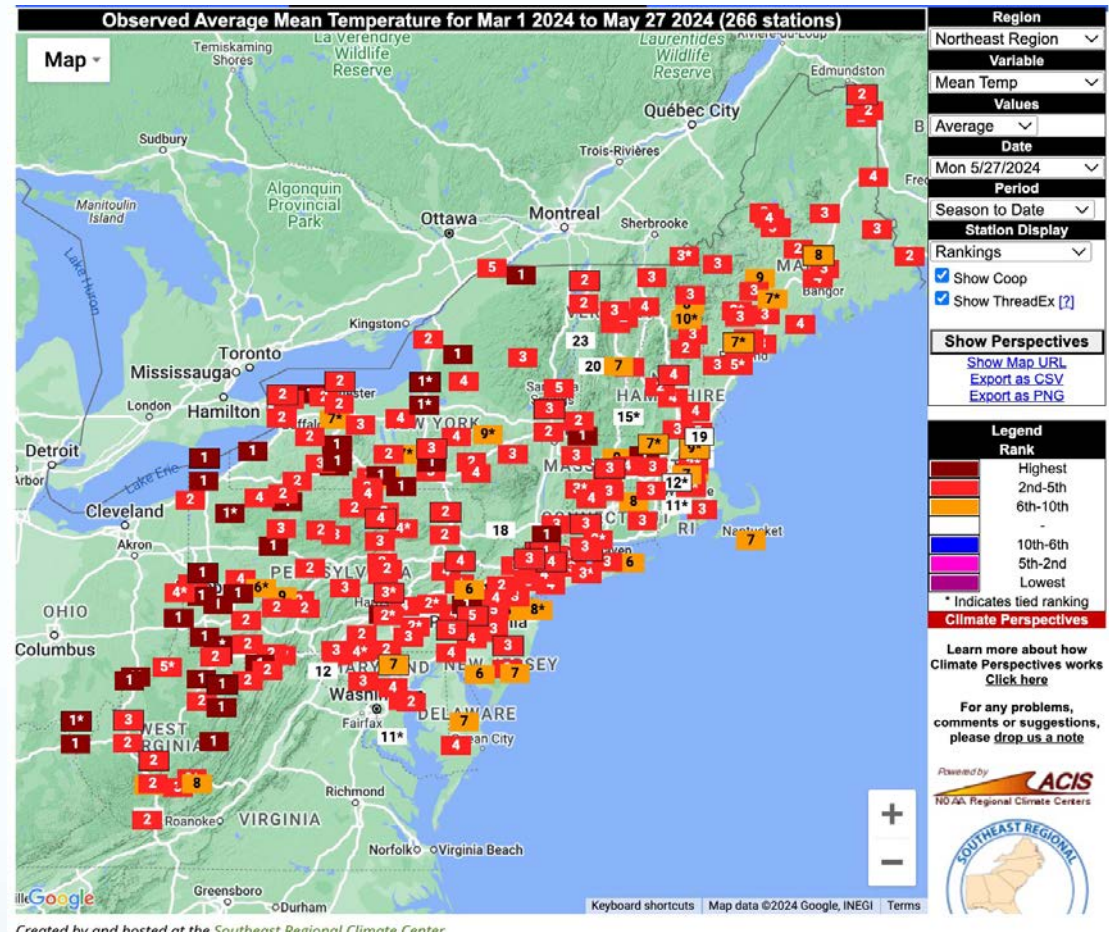
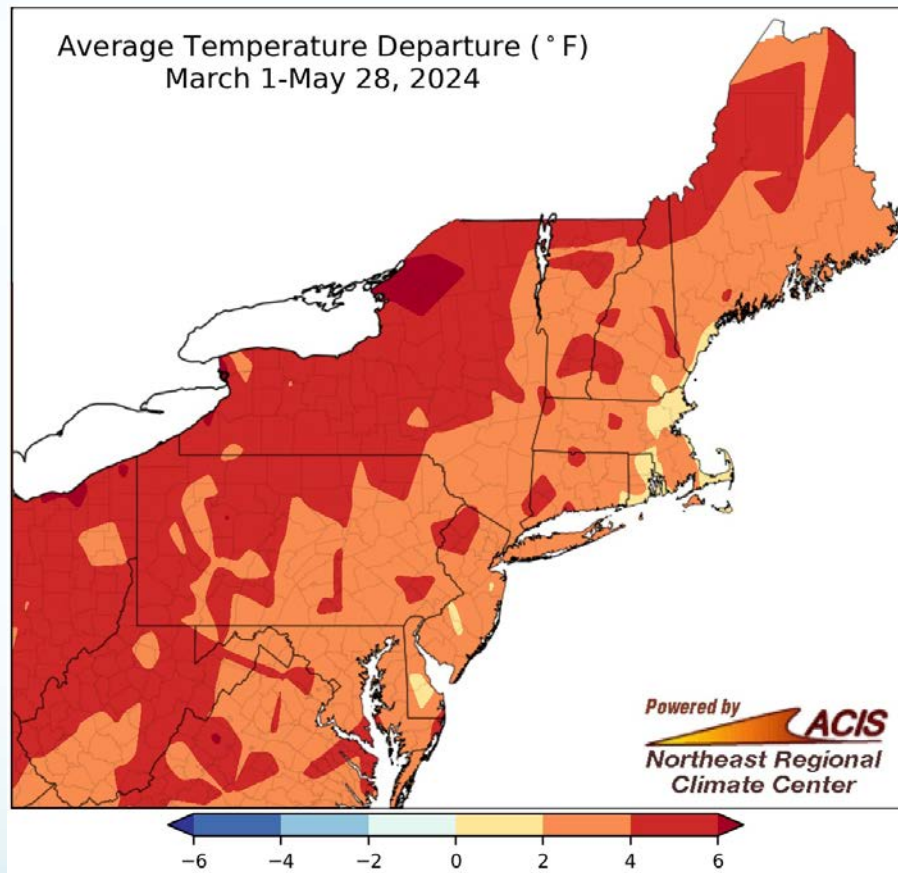


Courtesy of
NWS RLX



TORNADO REPORTS.
WIND REPORTS/HI.....
HAIL REPORTS/LG.....
TOTAL REPORTS.....

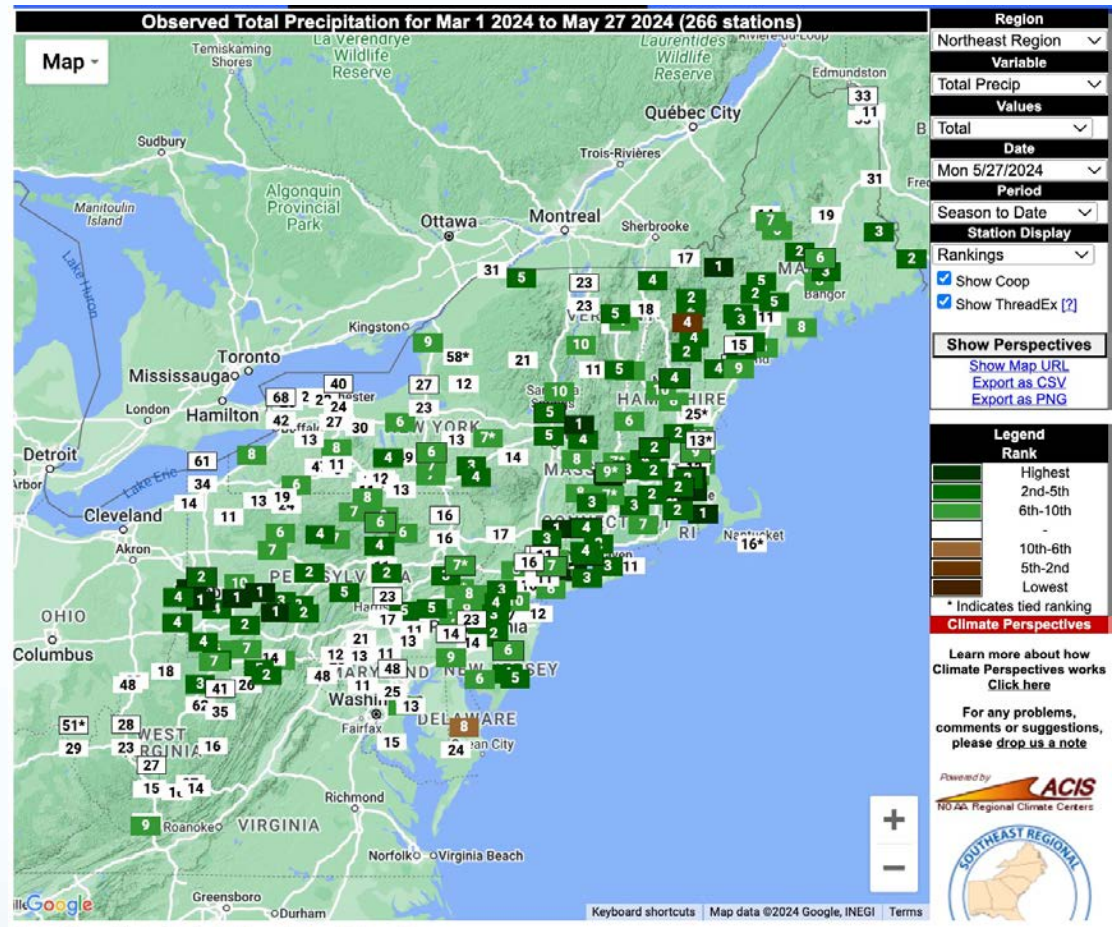
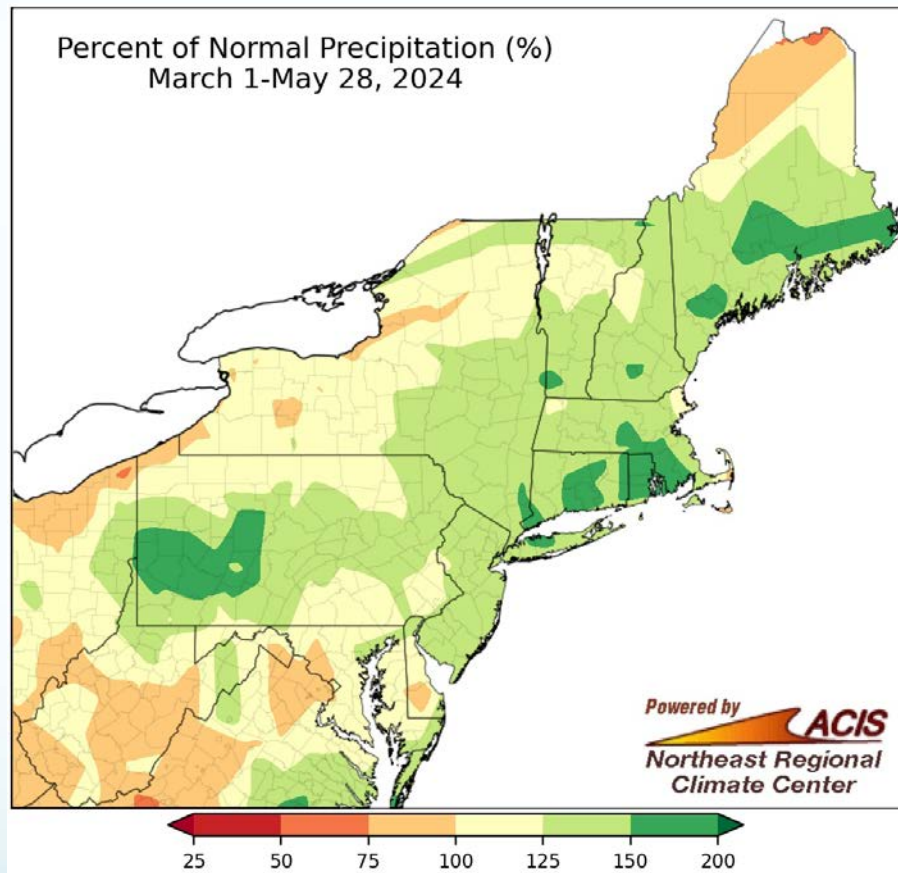
Spring Temperatures



From near normal to more than 6°F above normal



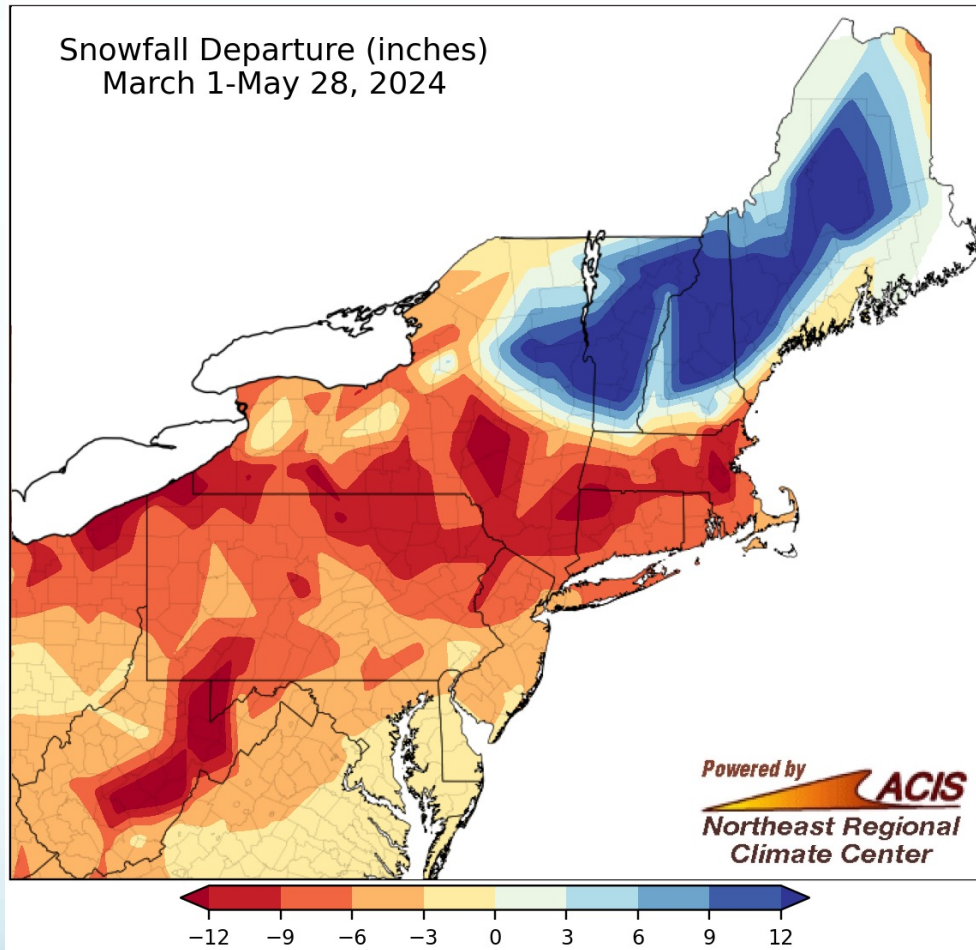
Spring Precipitation



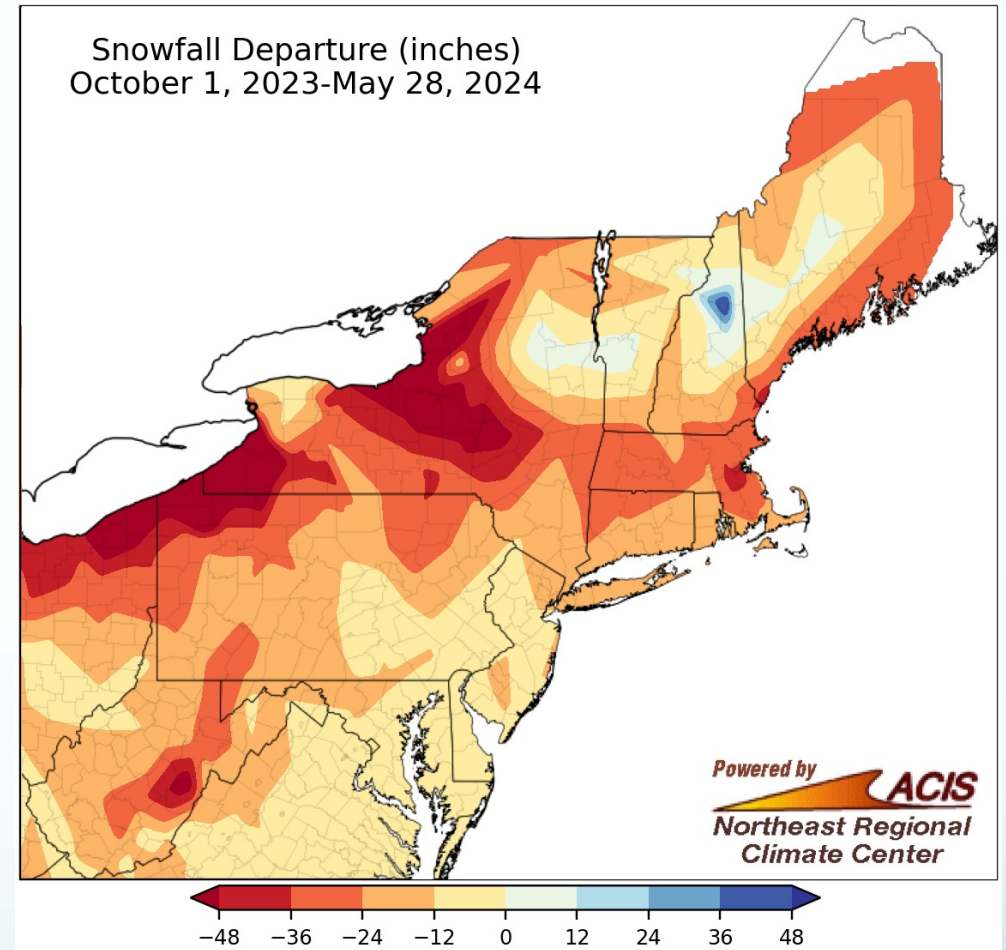
From 75% of normal to 200% of normal



Spring & Season Snowfall



From more than 12" below normal
to more than 12" above normal

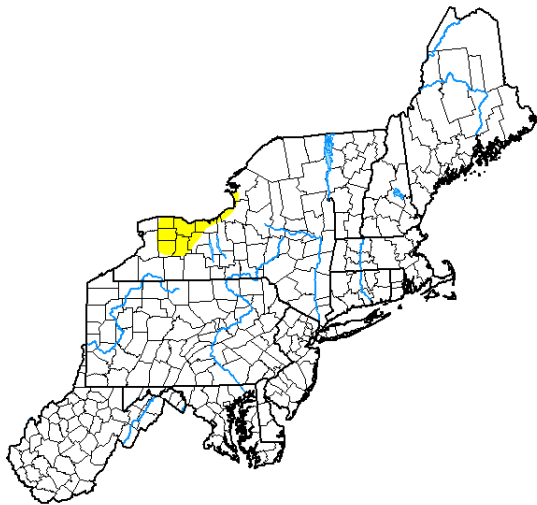


From more than 48" below normal
to near normal for most areas



Drought Monitor

U.S. Drought Monitor Northeast



April 30, 2024
(Released Thursday, May. 2, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	98.14	1.86	0.00	0.00	0.00	0.00
Last Week 04-23-2024	98.11	1.89	0.00	0.00	0.00	0.00
3 Months Ago 01-30-2024	96.89	2.85	0.19	0.07	0.00	0.00
Start of Calendar Year 01-02-2024	87.20	10.30	1.83	0.67	0.00	0.00
Start of Water Year 09-26-2023	88.48	10.08	1.36	0.08	0.00	0.00
One Year Ago 05-03-2023	84.22	15.15	0.64	0.00	0.00	0.00

Intensity:

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

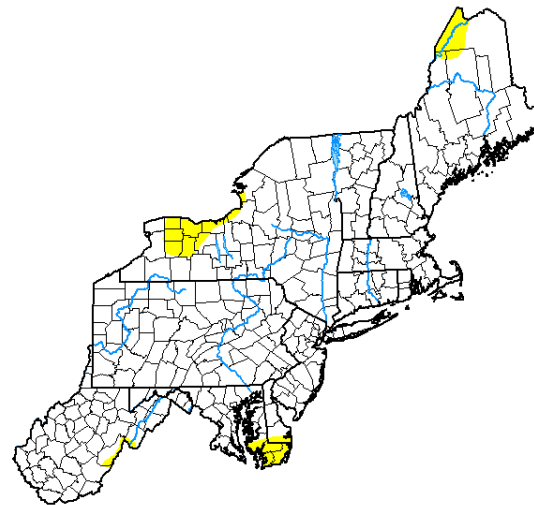
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Curtis Riganti
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast



May 28, 2024
(Released Thursday, May. 30, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	95.80	4.20	0.00	0.00	0.00	0.00
Last Week 05-21-2024	96.27	3.73	0.00	0.00	0.00	0.00
3 Months Ago 02-27-2024	97.07	2.72	0.21	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	87.20	10.30	1.83	0.67	0.00	0.00
Start of Water Year 09-26-2023	88.48	10.08	1.36	0.08	0.00	0.00
One Year Ago 05-30-2023	50.39	47.26	2.35	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>

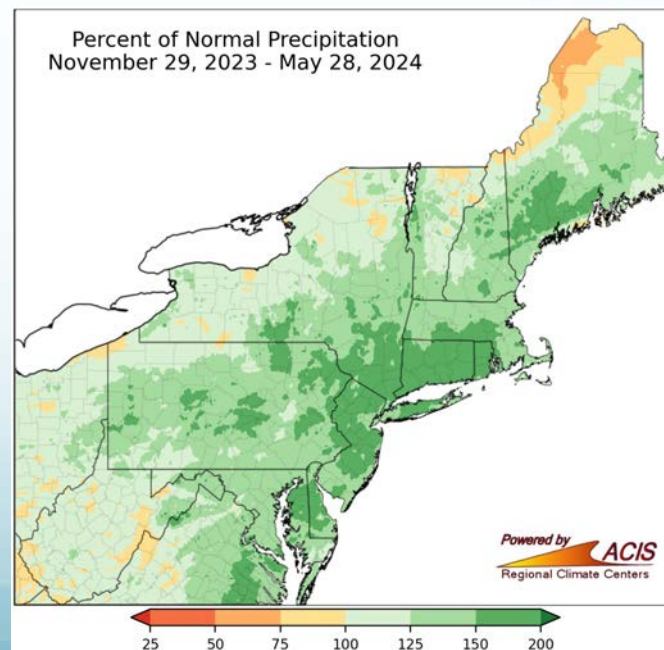
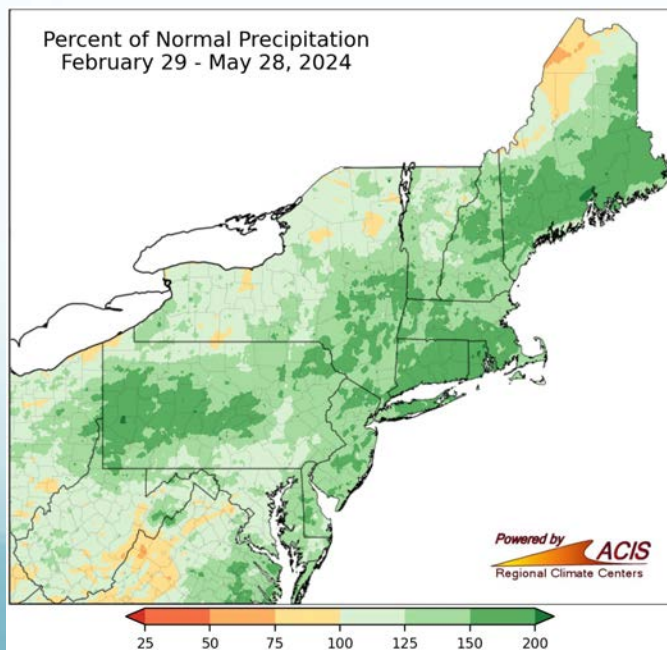
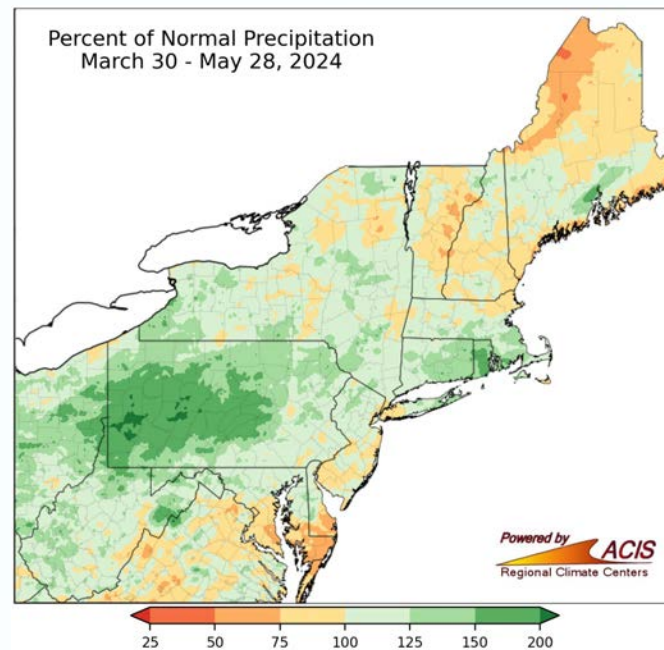
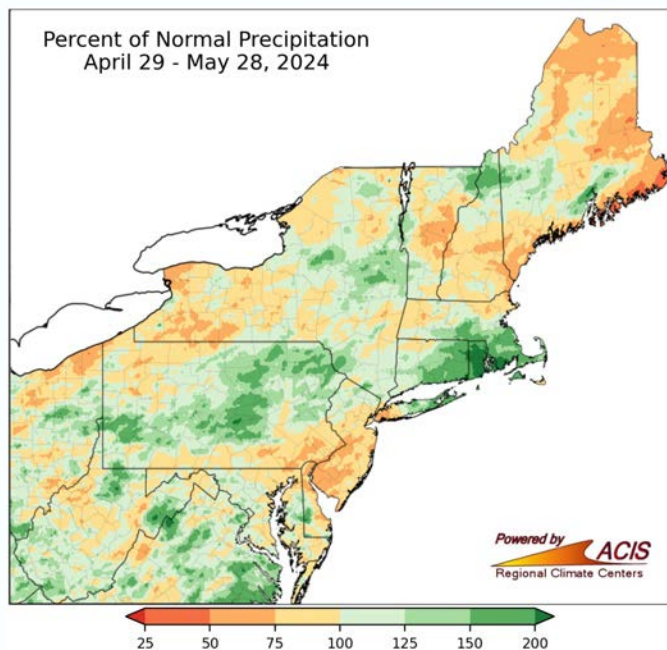
Author:
Rocky Bilotta
NCEI/NOAA



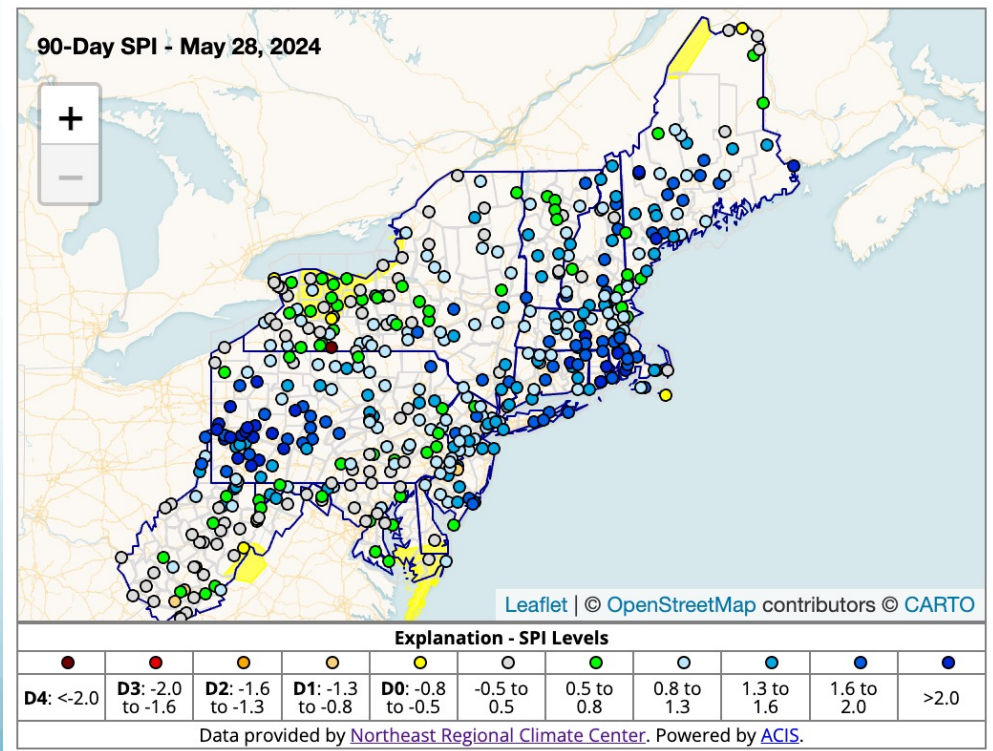
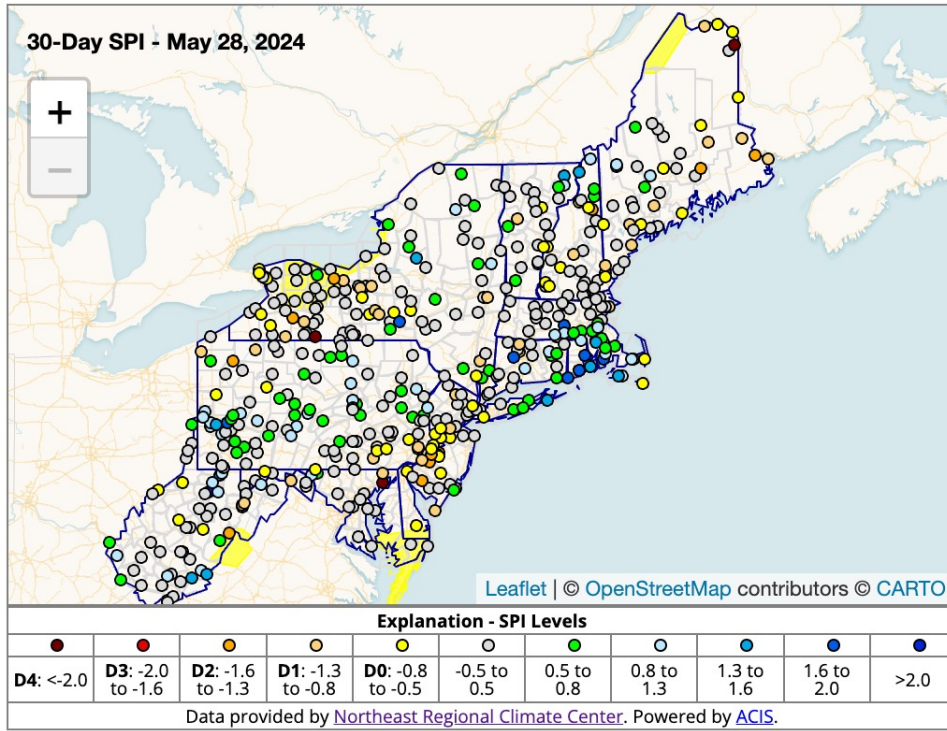
droughtmonitor.unl.edu



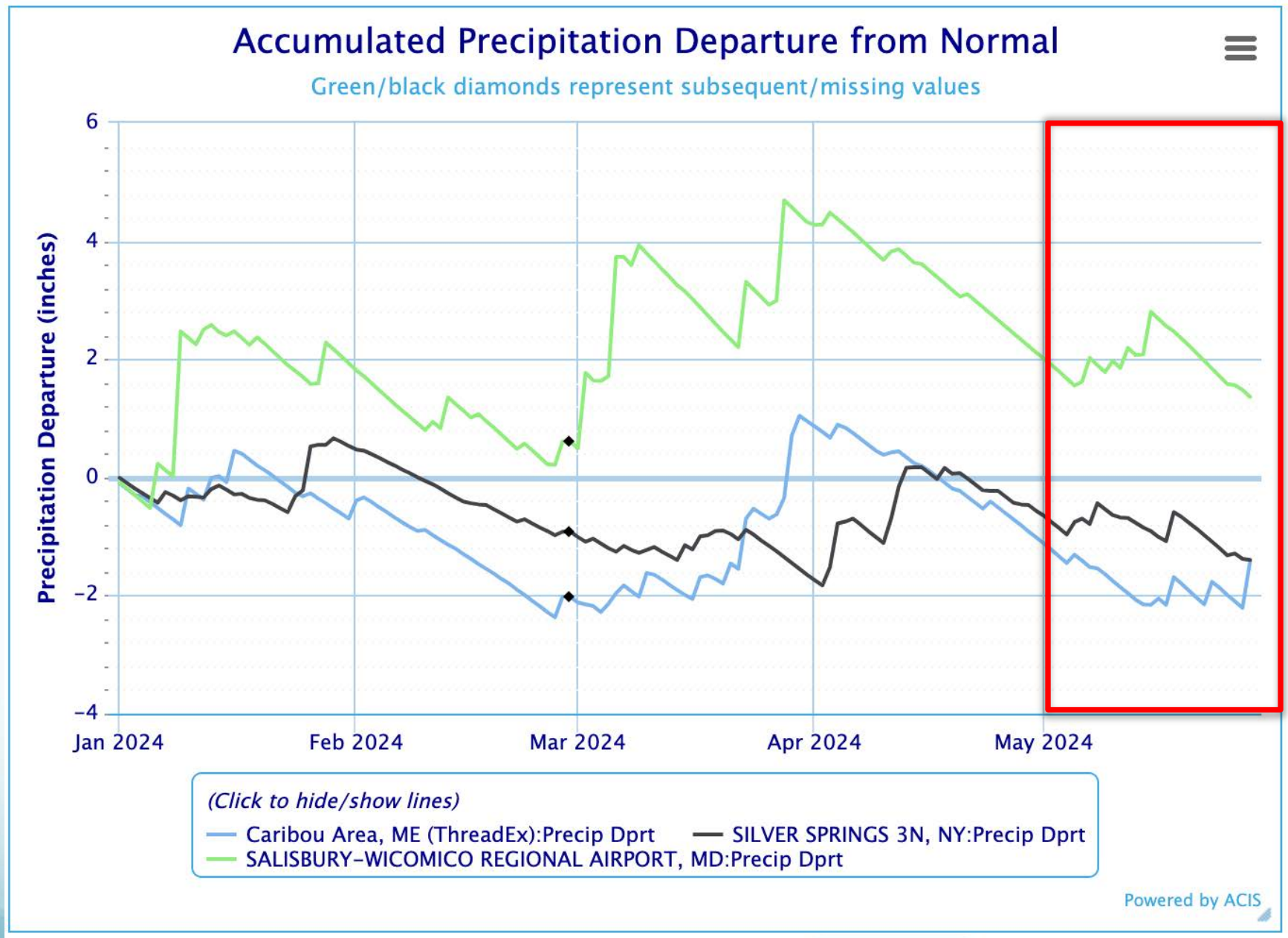
Precipitation



Standardized Precipitation Index

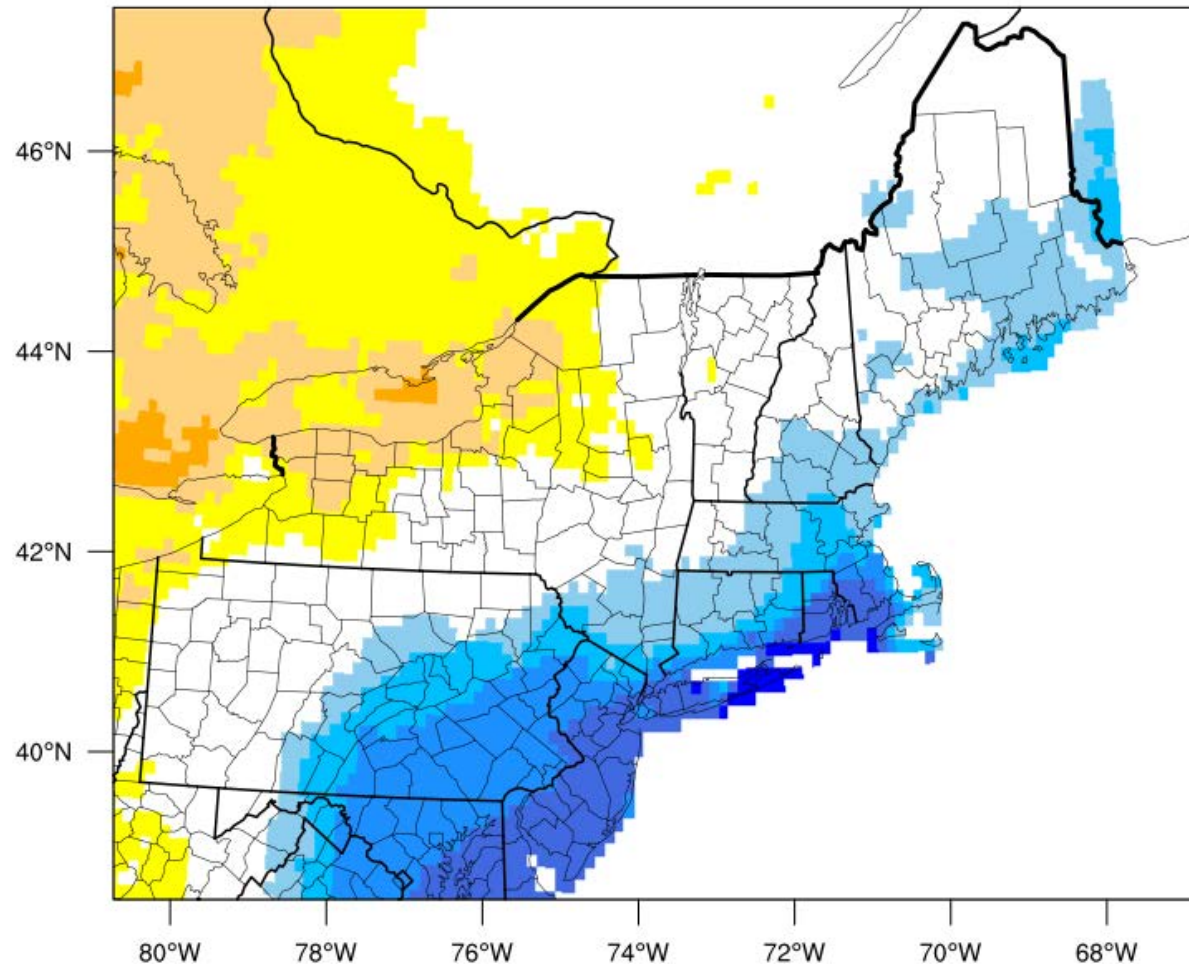


Precipitation



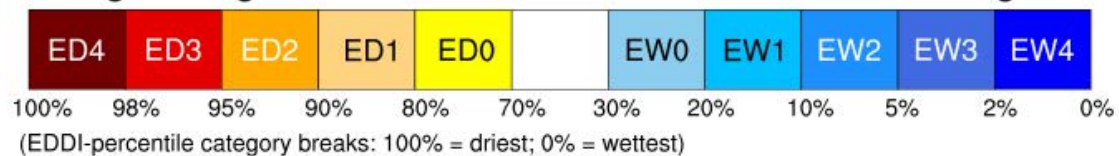
Evap. Demand Drought Index

3-week EDDI categories for May 24, 2024



Drought categories

Wetness categories

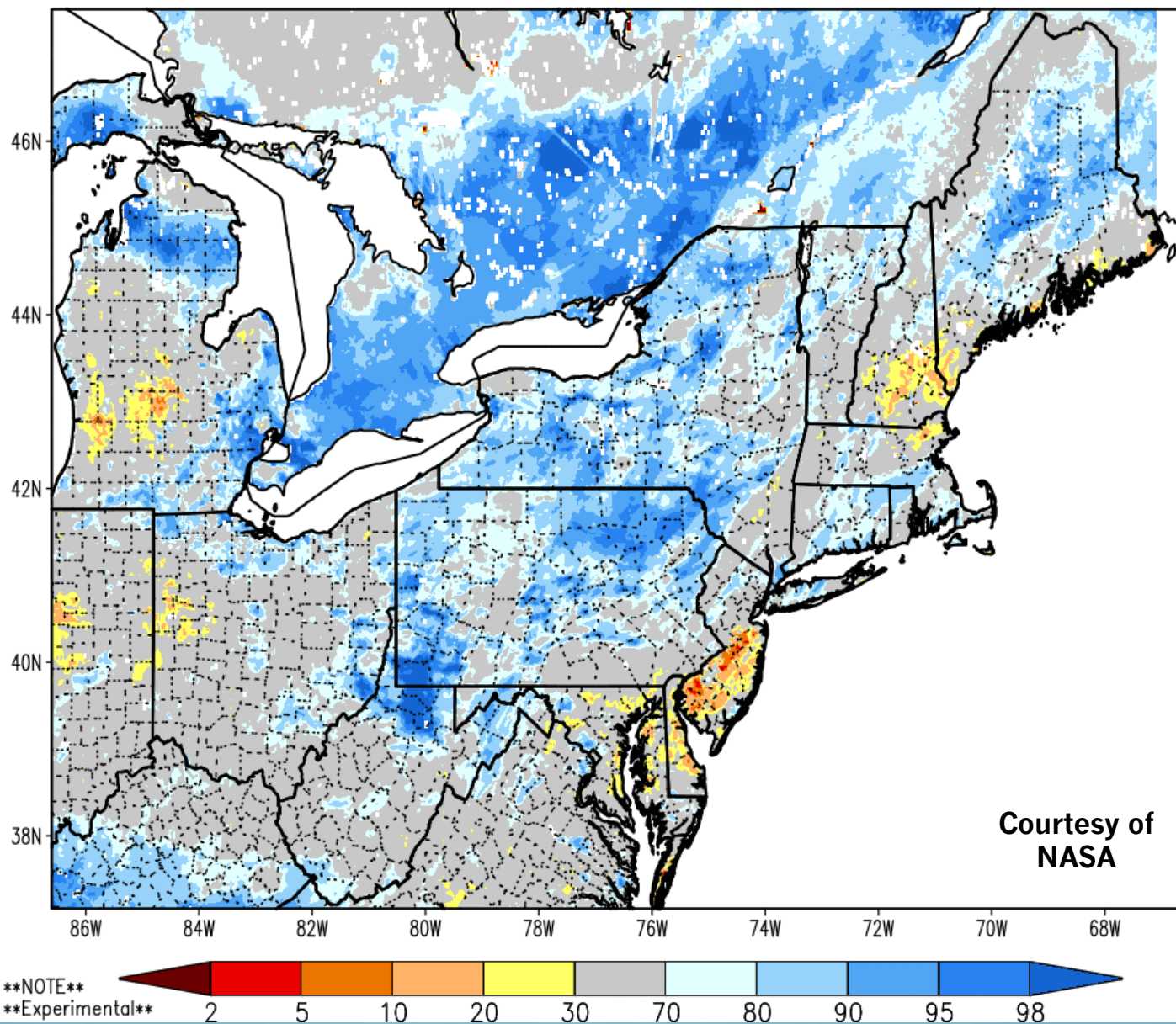


Generated by NOAA/ESRL/Physical Sciences Laboratory

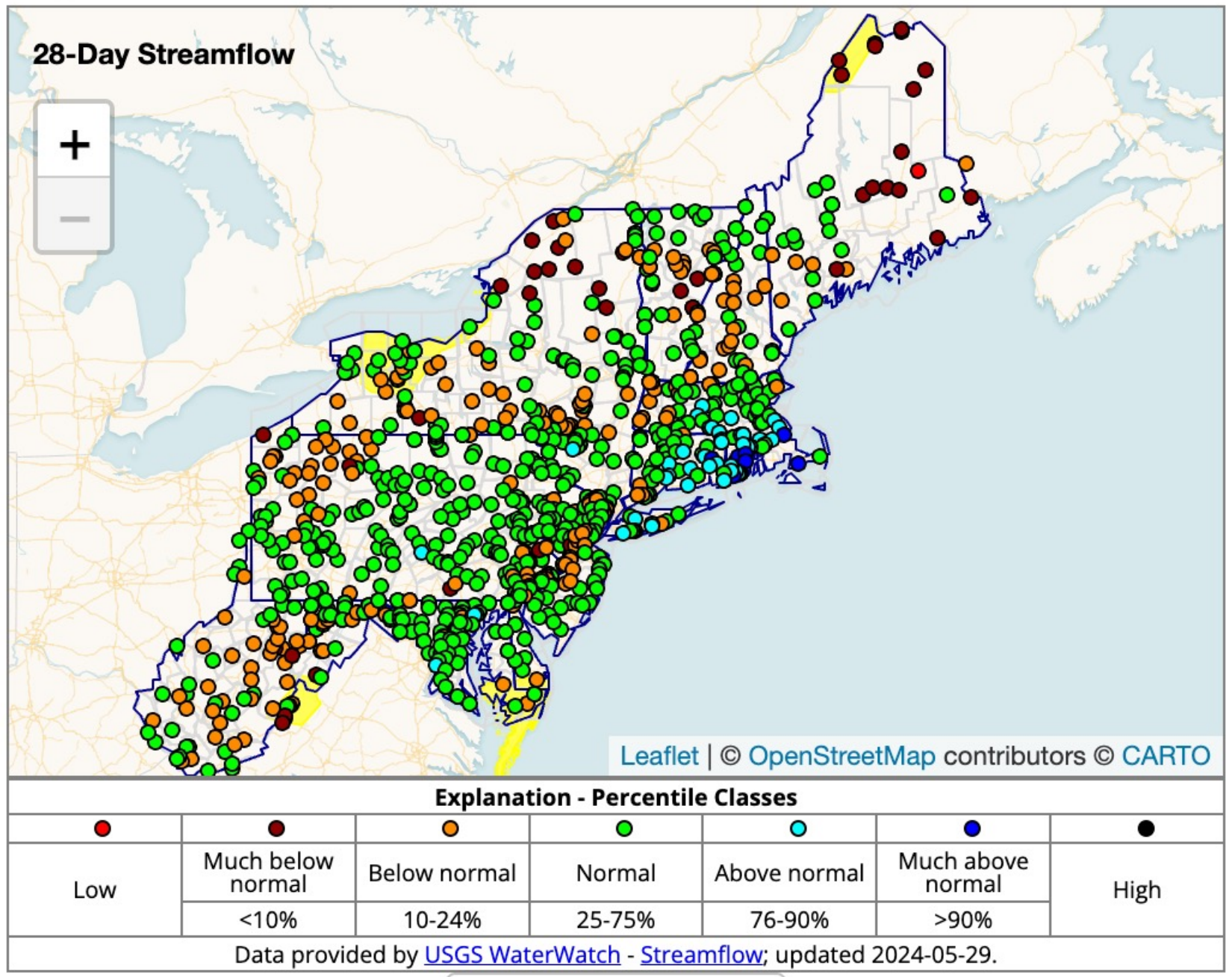


Soil Moisture

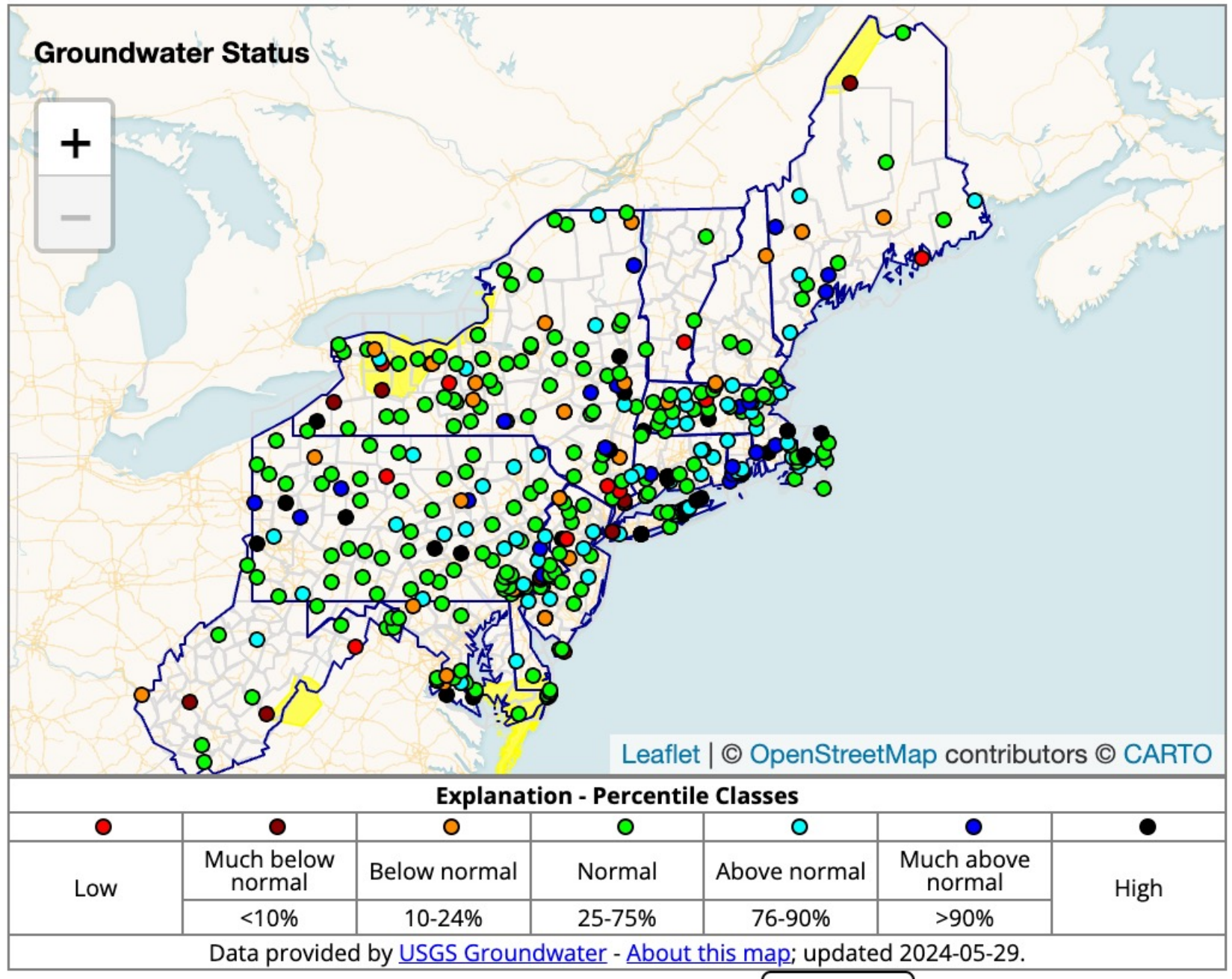
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 30 May 2024



Streamflow

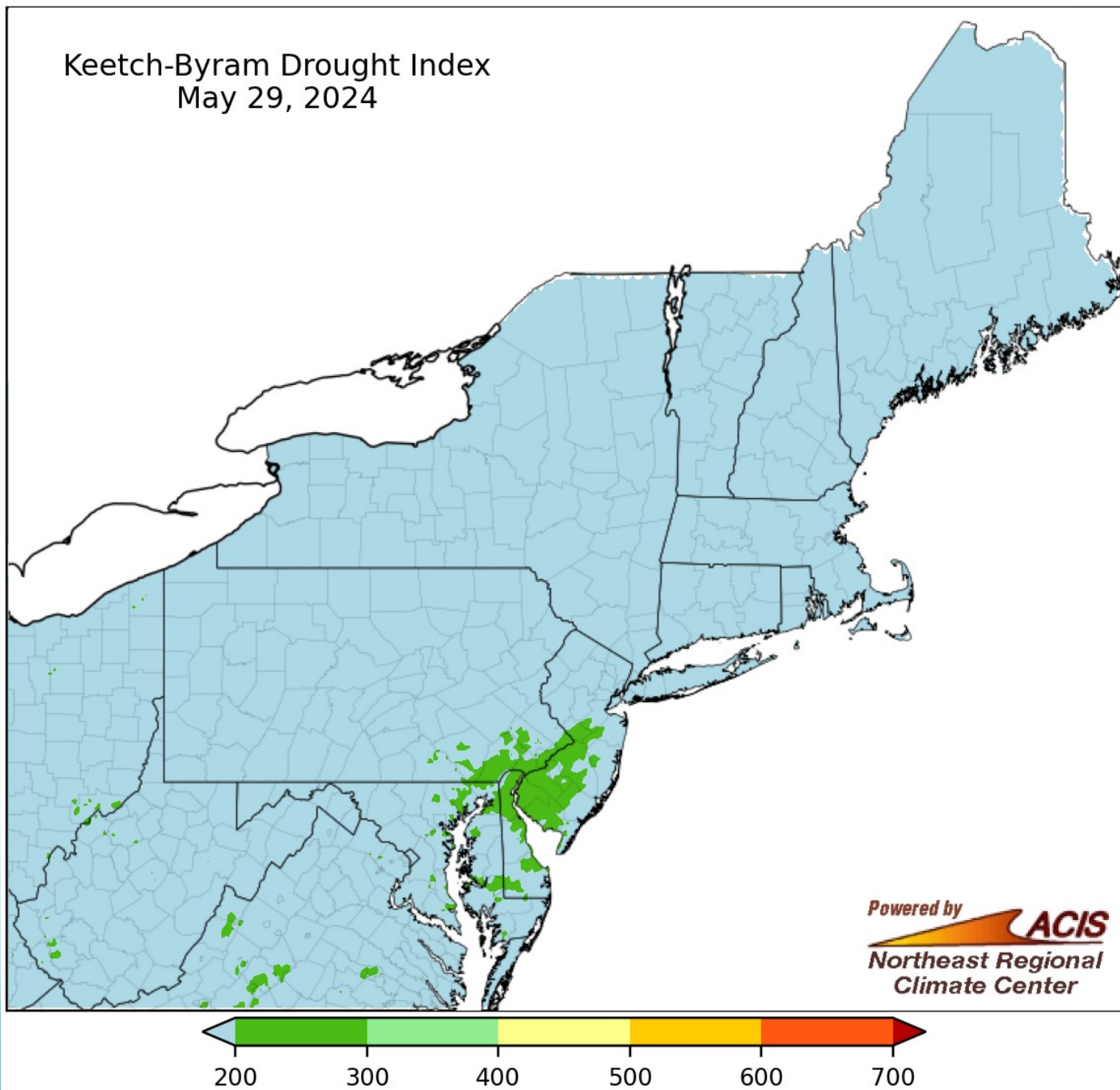


Groundwater

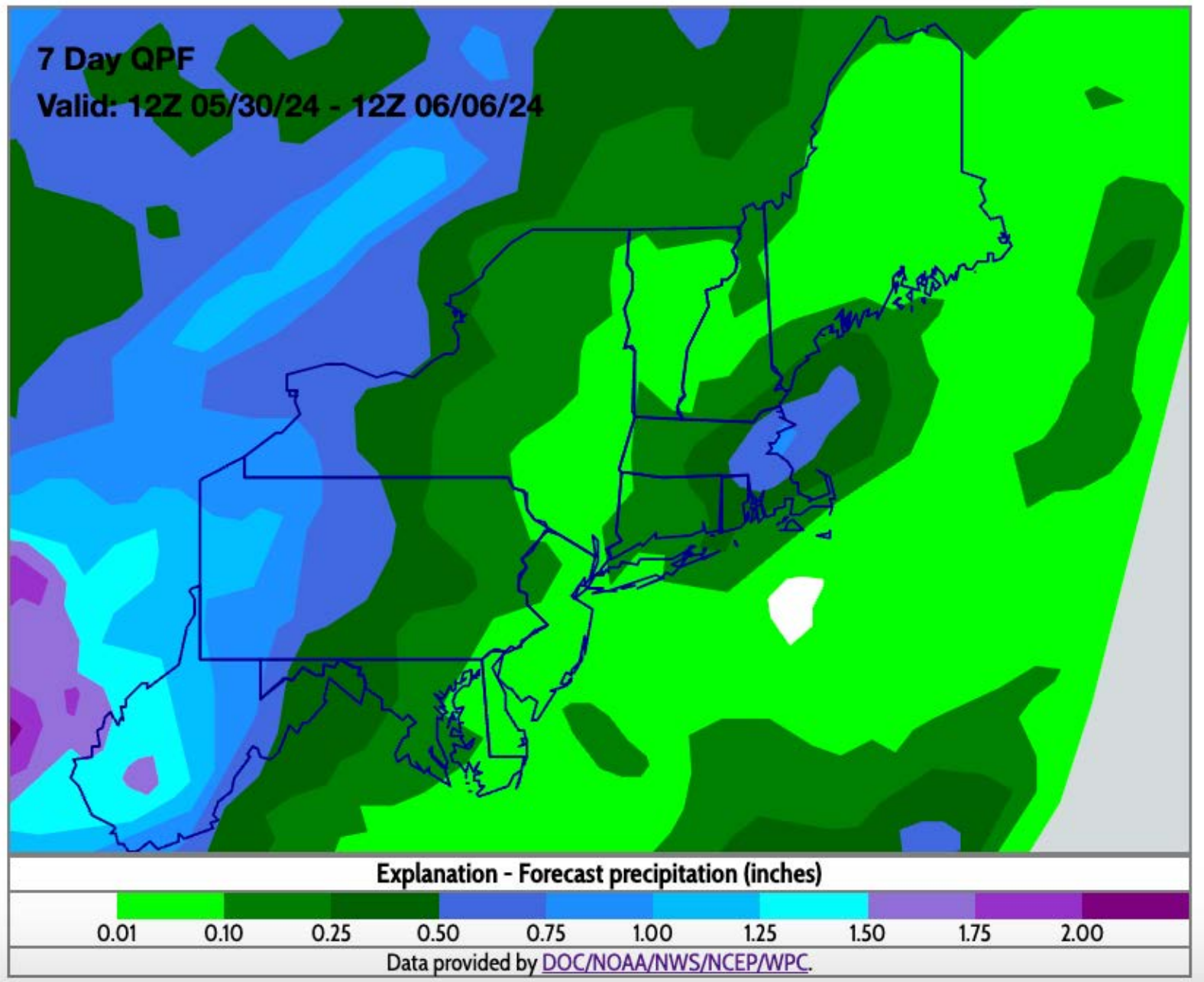


Wildfire Risk

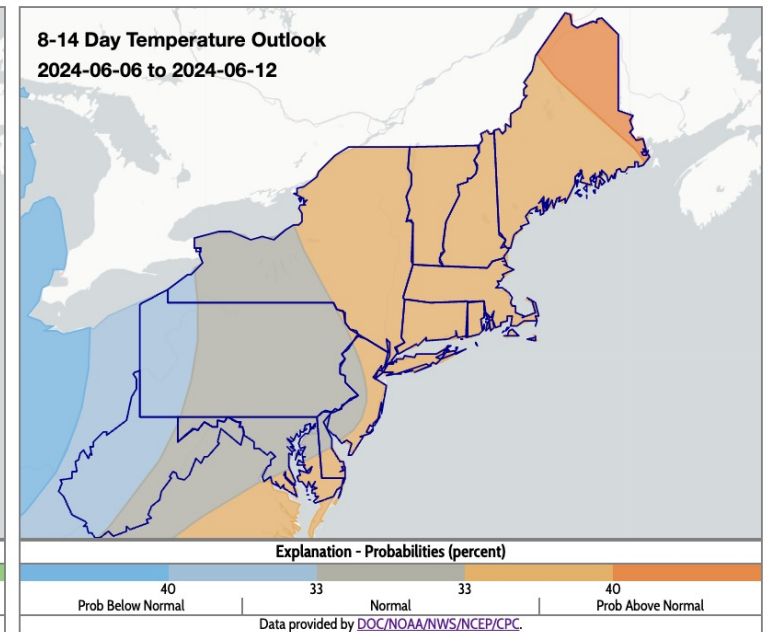
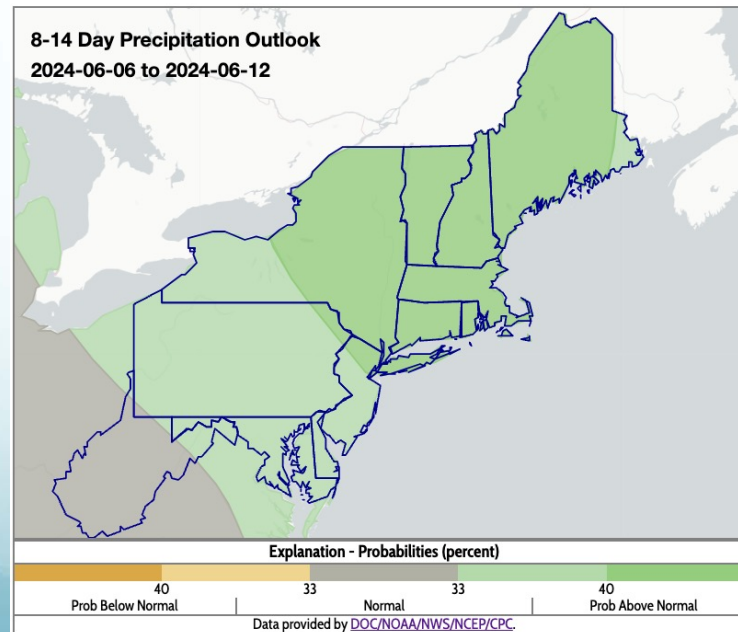
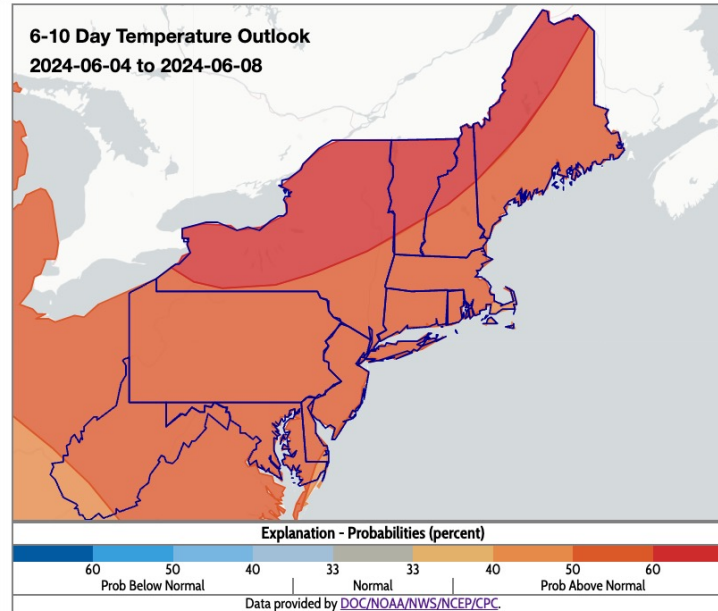
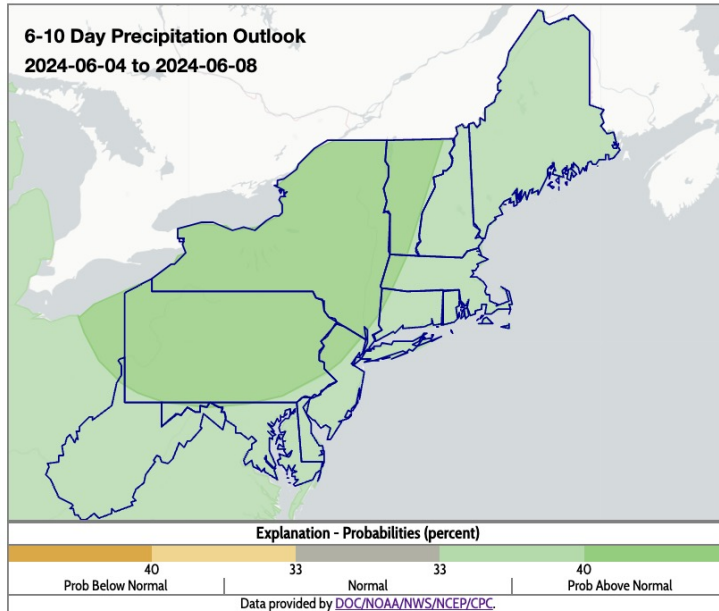
Keetch-Byram Drought Index
May 29, 2024



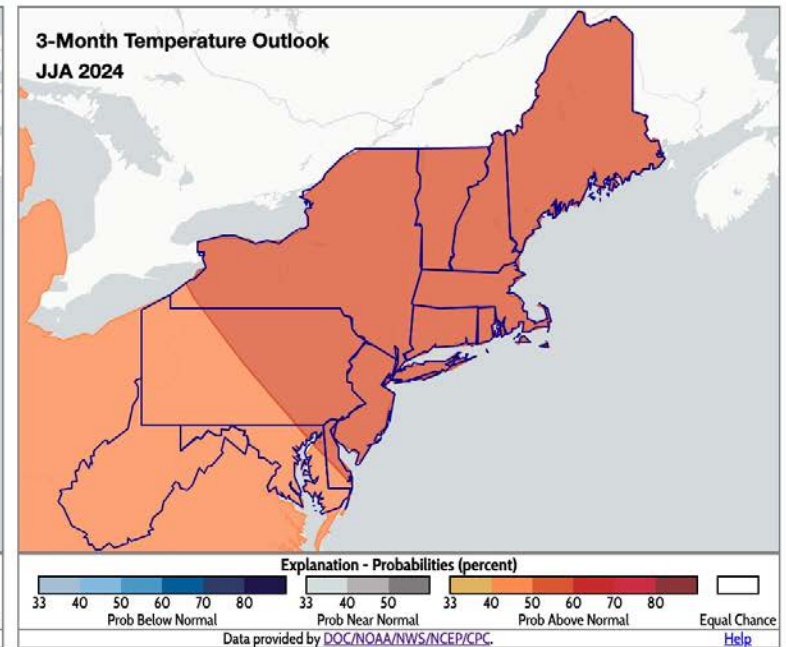
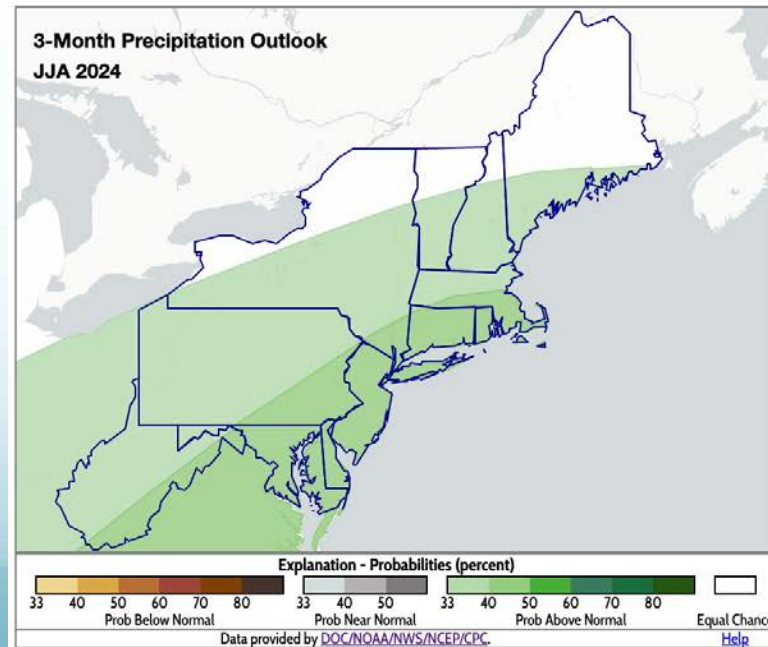
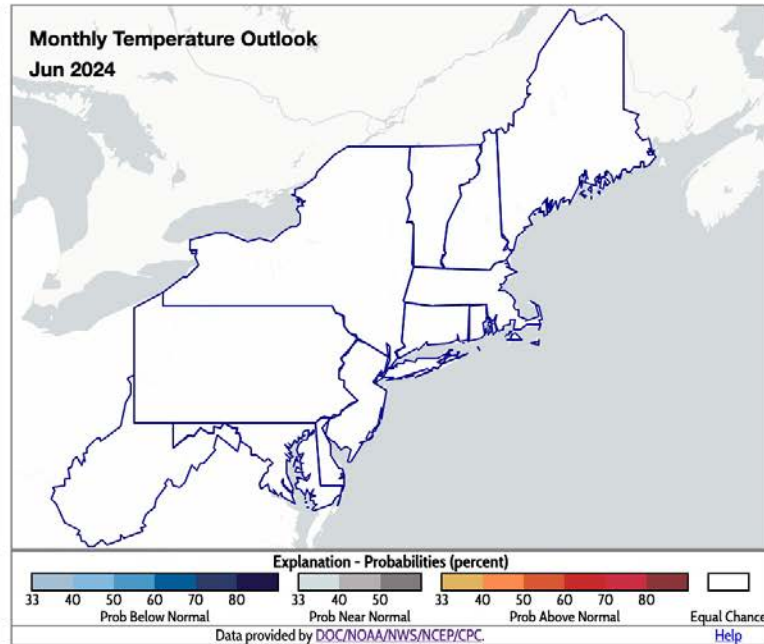
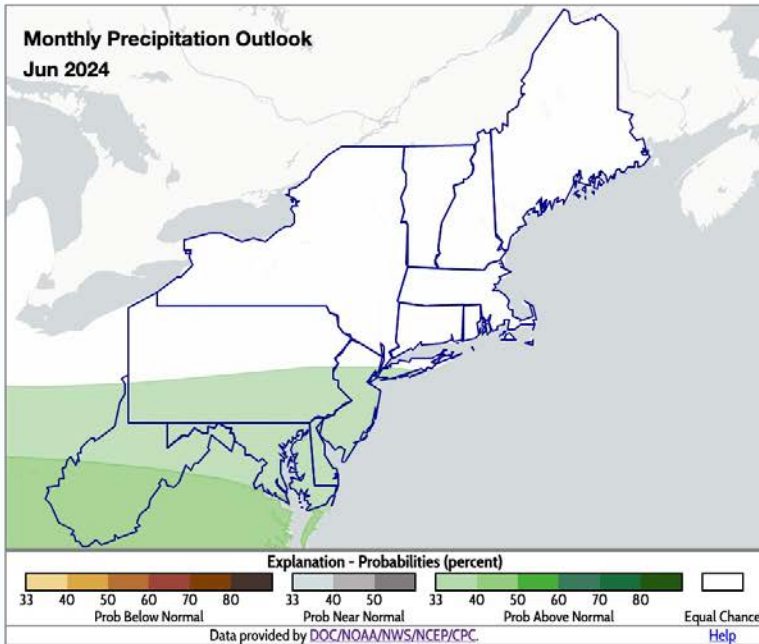
Precipitation Forecast



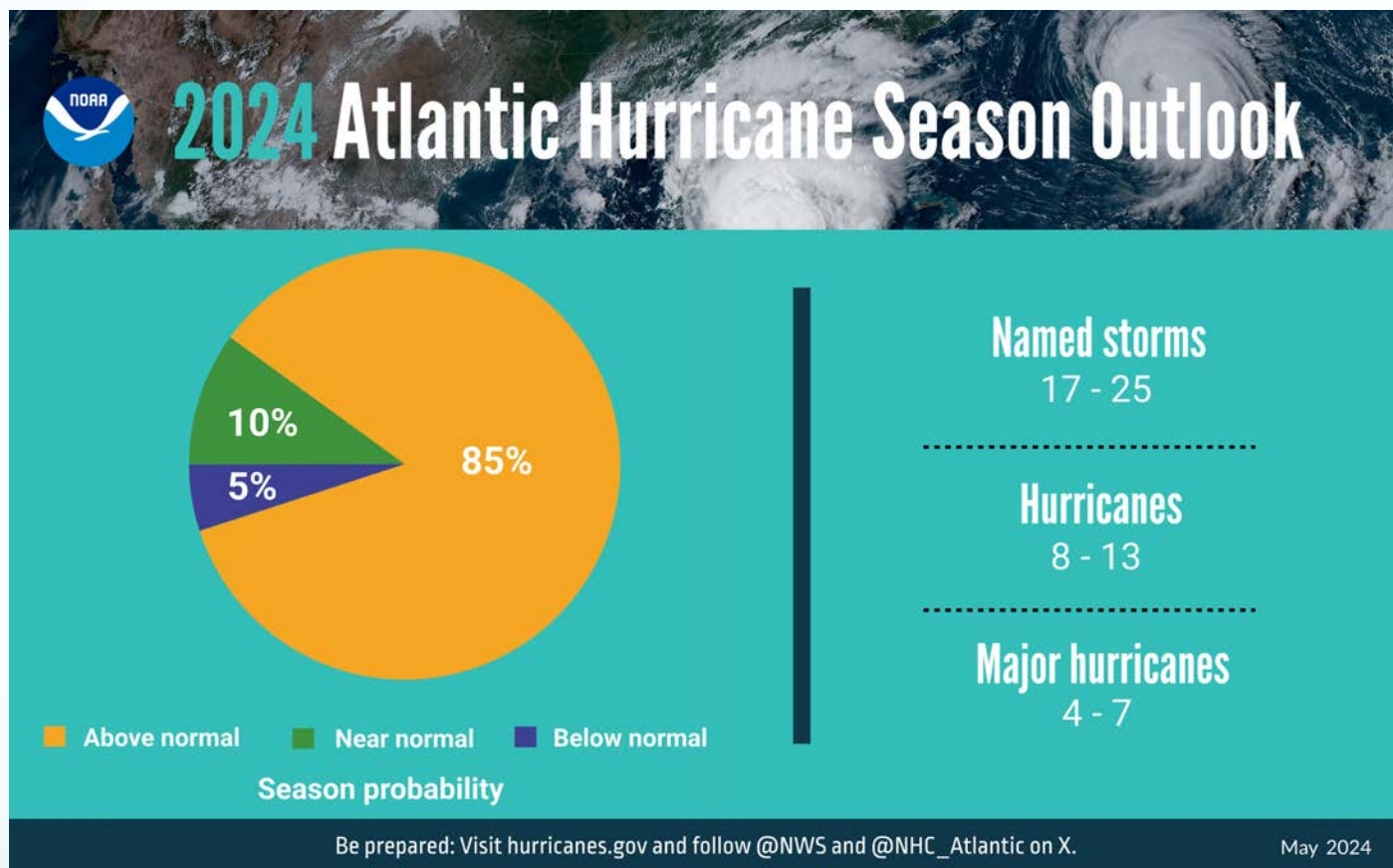
Short-term Outlooks



Monthly & 3-Month Outlooks



Hurricane Outlook



	2024 Atlantic Season Outlook	1991-2020 Average Season
Number of Named Storms	17-25	14
Number of Hurricanes	8-13	7
Number of Major Hurricanes	4-7	3



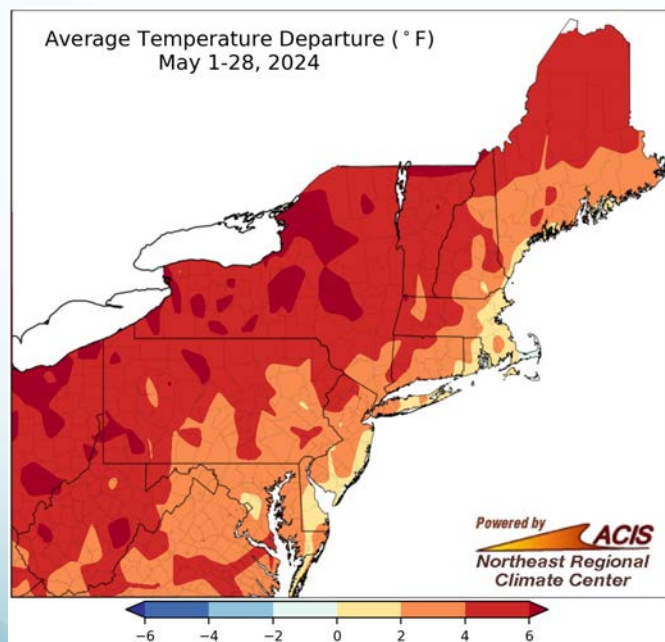
Summary

May-to-date conditions:

- Near- or above-normal temperatures; variable precipitation

Spring-to-date conditions:

- Near- or above-normal temperatures; near- or above-normal precipitation for much of the region
- Below-normal snowfall for most; above-normal for northern New England and northern New York



Drought:

- Abnormal dryness lingered in western New York and was introduced in northern Maine and southeastern Maryland

Outlooks:

- Short-term: near- or above-normal precipitation and temperatures favored for most areas
- June: above-normal precipitation for southern areas; “equal chances” for temperatures
- Summer: above-normal precipitation for multiple areas; above-normal temperatures for all
- Atlantic hurricane season: prepare now for a potentially very active season

Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, June 27 at 9:30am EDT
 - US DOT/FHWA on PROTECT funding in Eastern Region on climate and transportation infrastructure
- Tuesday, July 30 at 9:30am EDT
 - National Integrated Heat Health Information System on the upcoming heat season, extreme heat, and community pilots
- Thursday, August 29 at 9:30am EDT
 - Hurricane outlook and season update
- Thursday, September 26 at 9:30am EDT
 - NRCC projects



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