

May Recap & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center

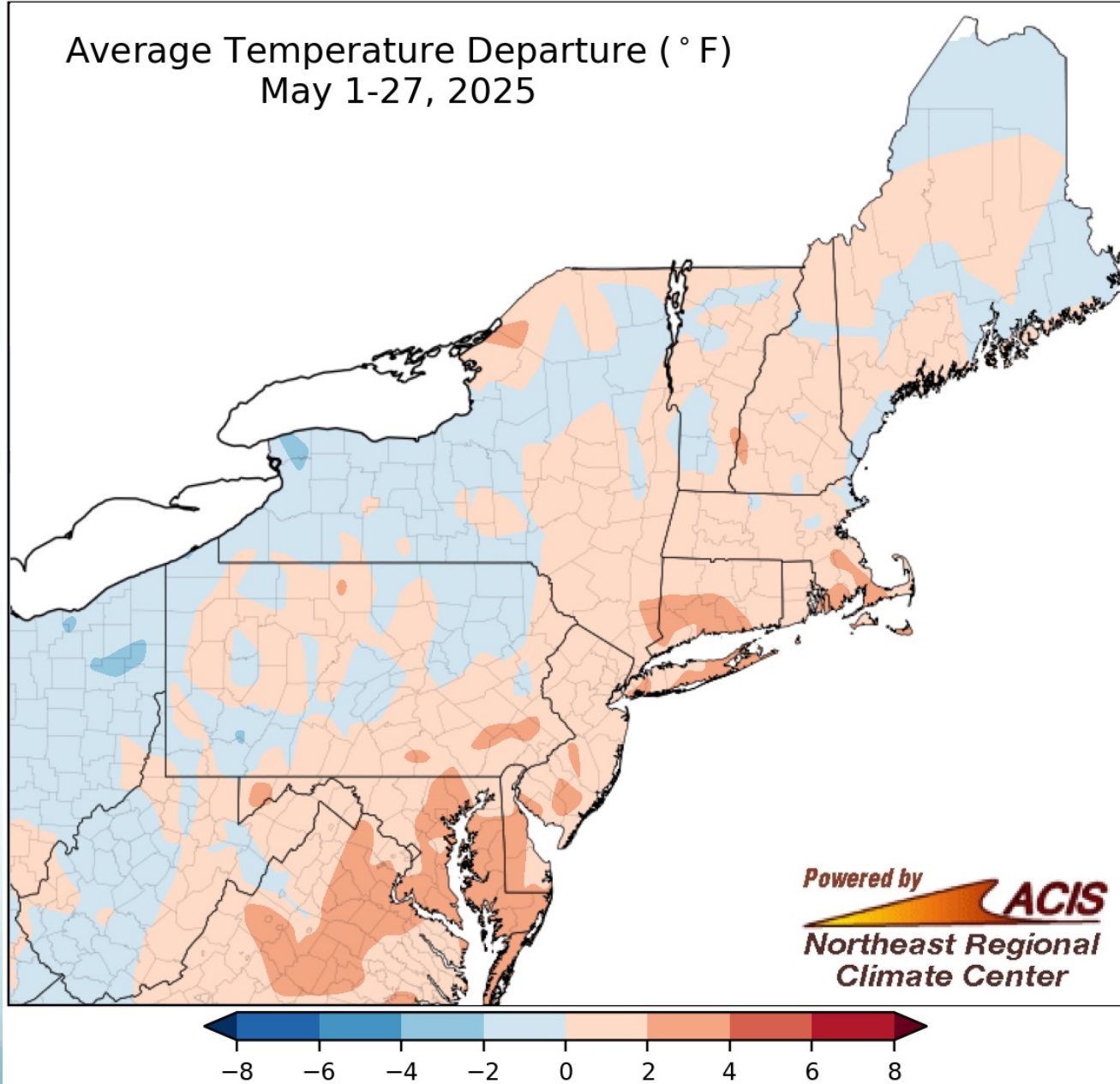


Northeast Regional
Climate Center



May Temperatures

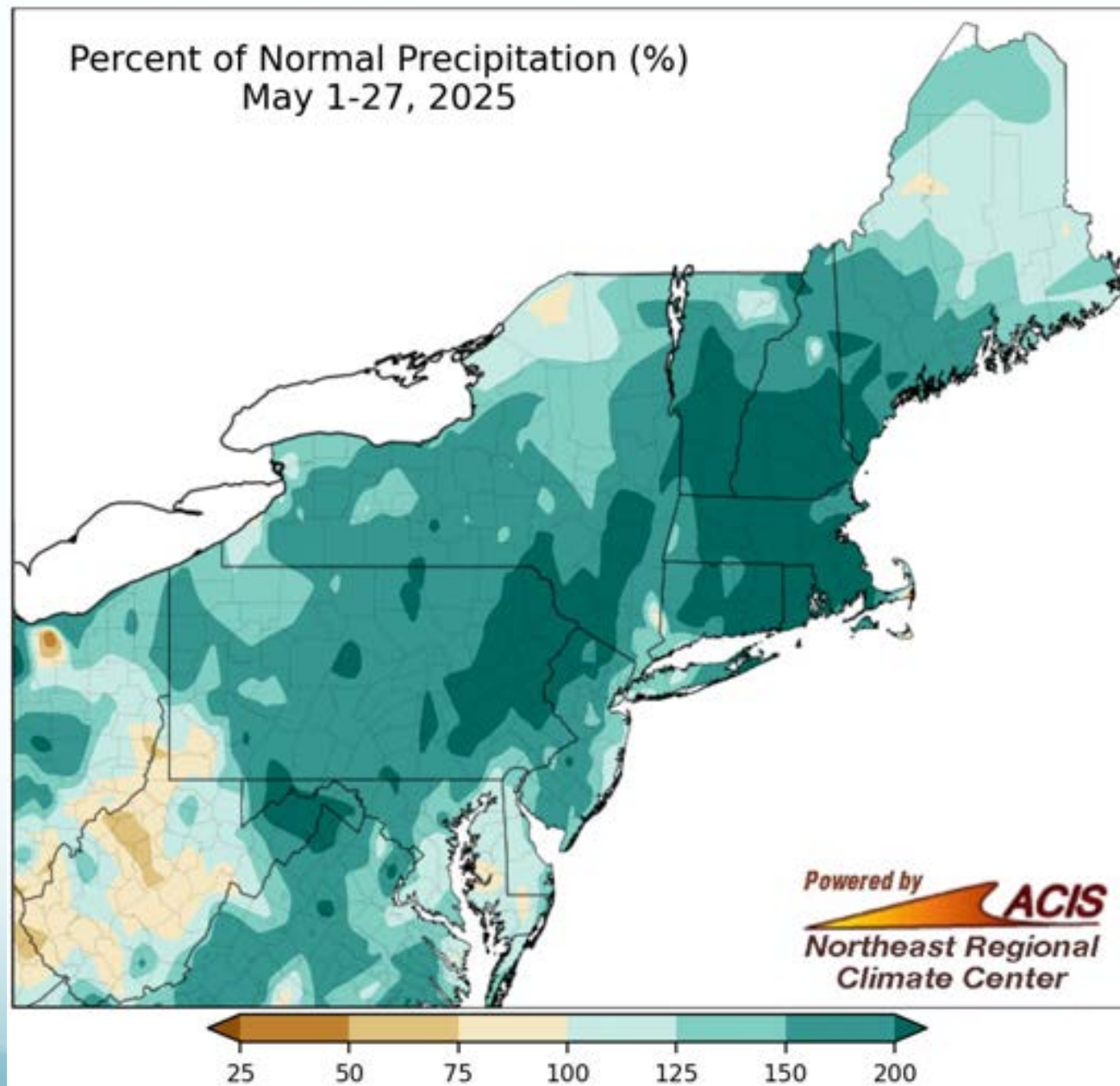
Average Temperature Departure (°F)
May 1-27, 2025



From 2°F below normal to 4°F above normal

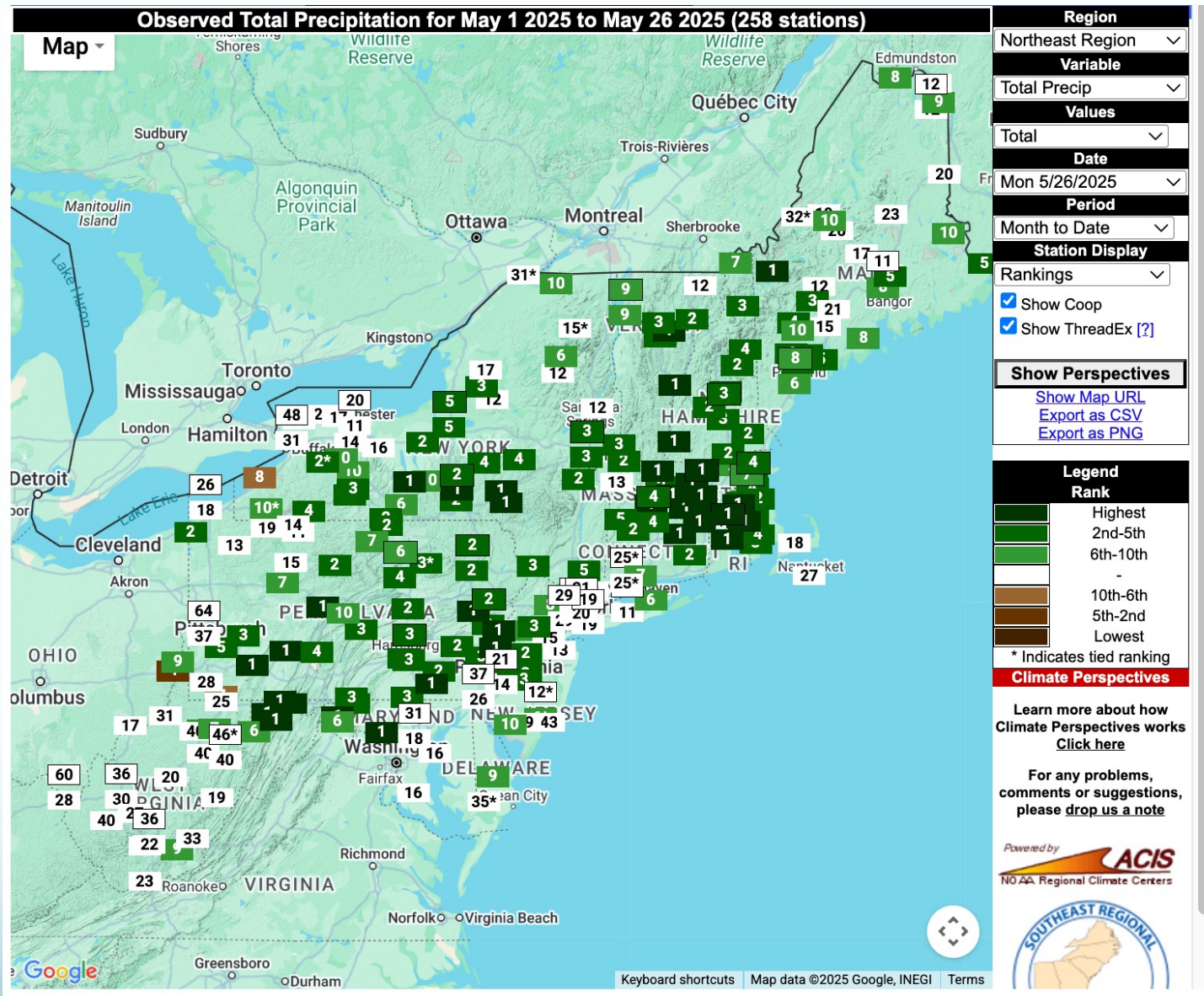


May Precipitation



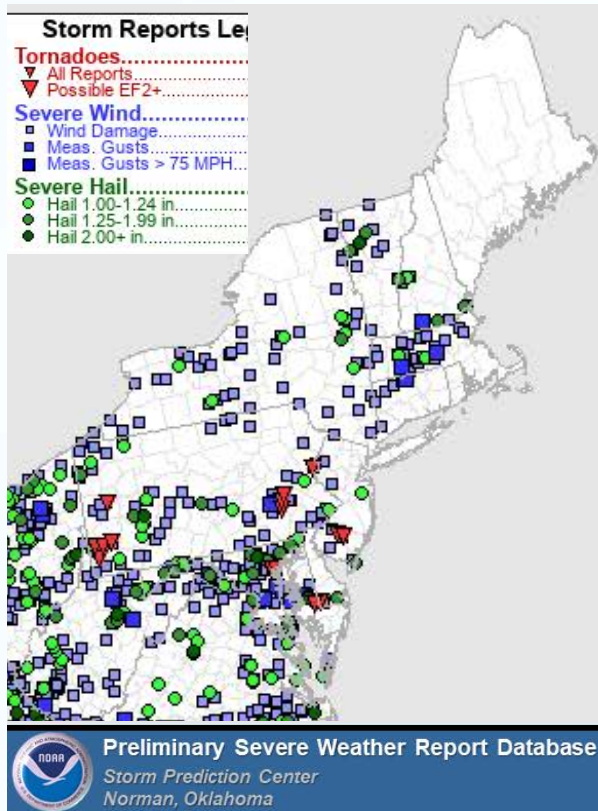
From 50% of normal to over 200% of normal

May Precipitation



Among 10 wettest May 1-26 periods for multiple sites

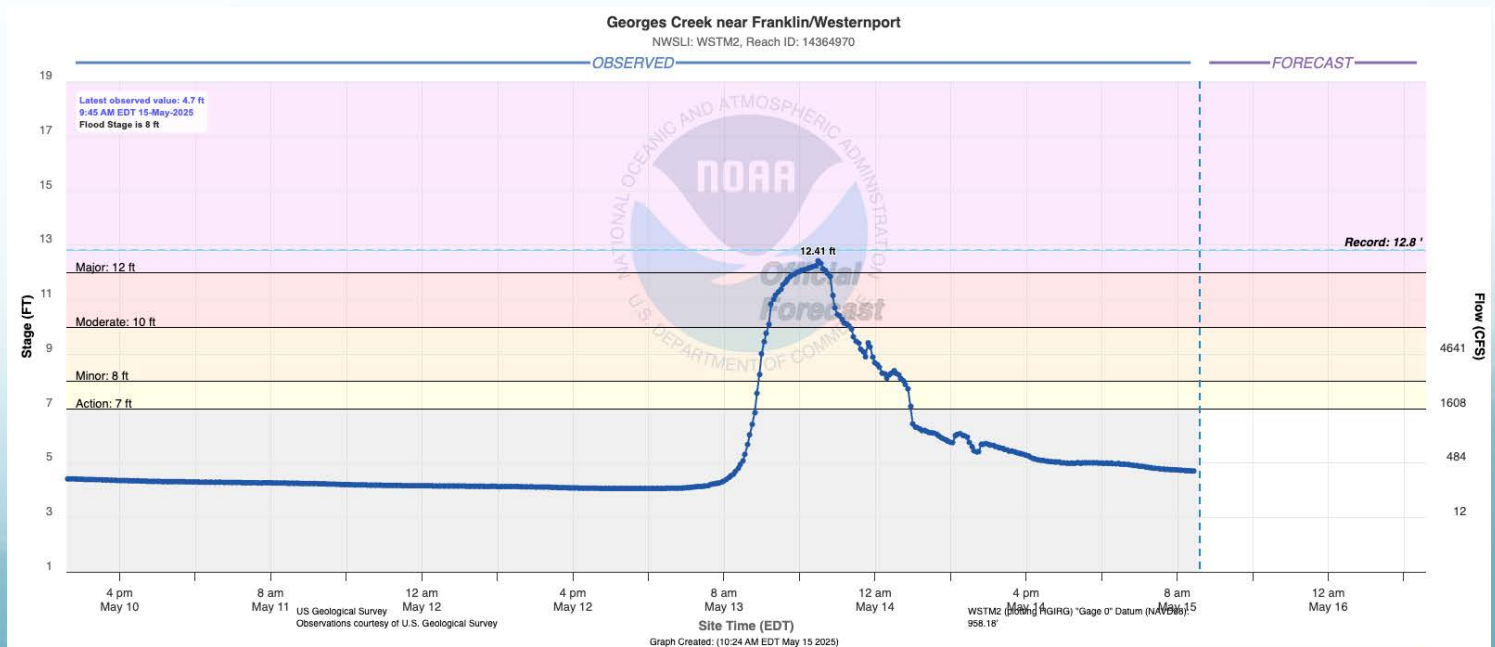
May Severe



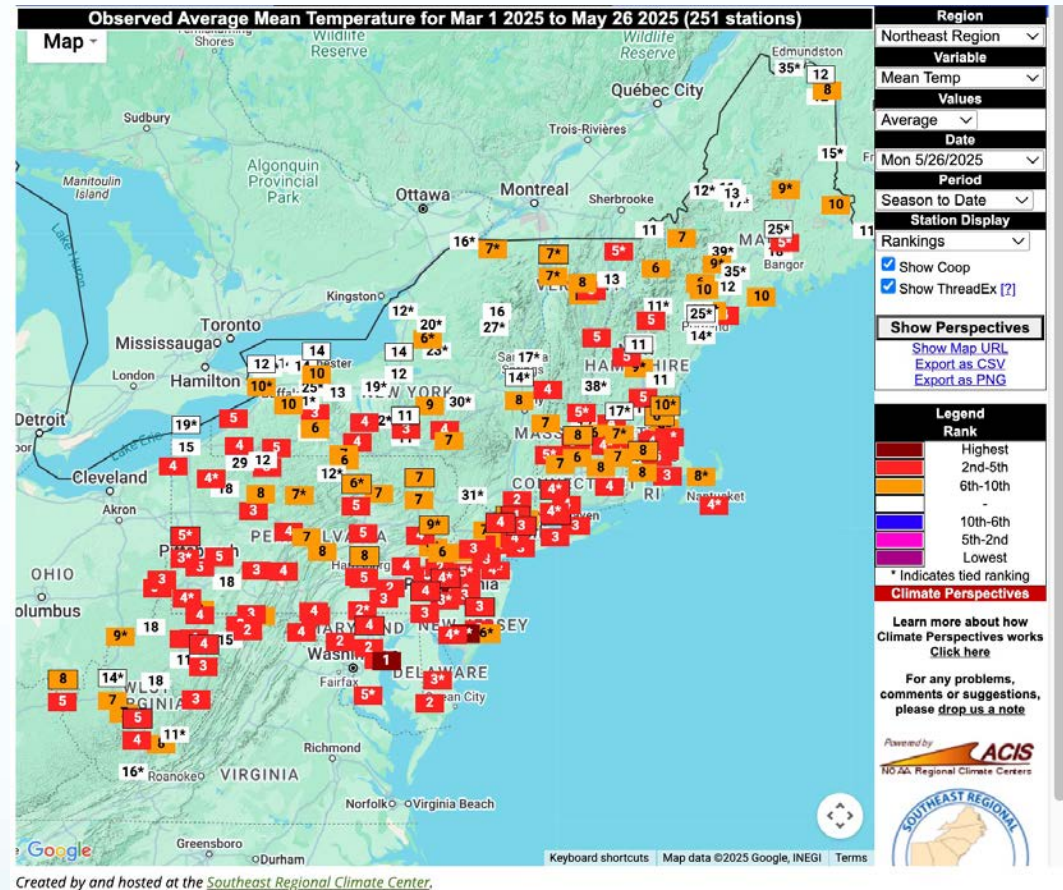
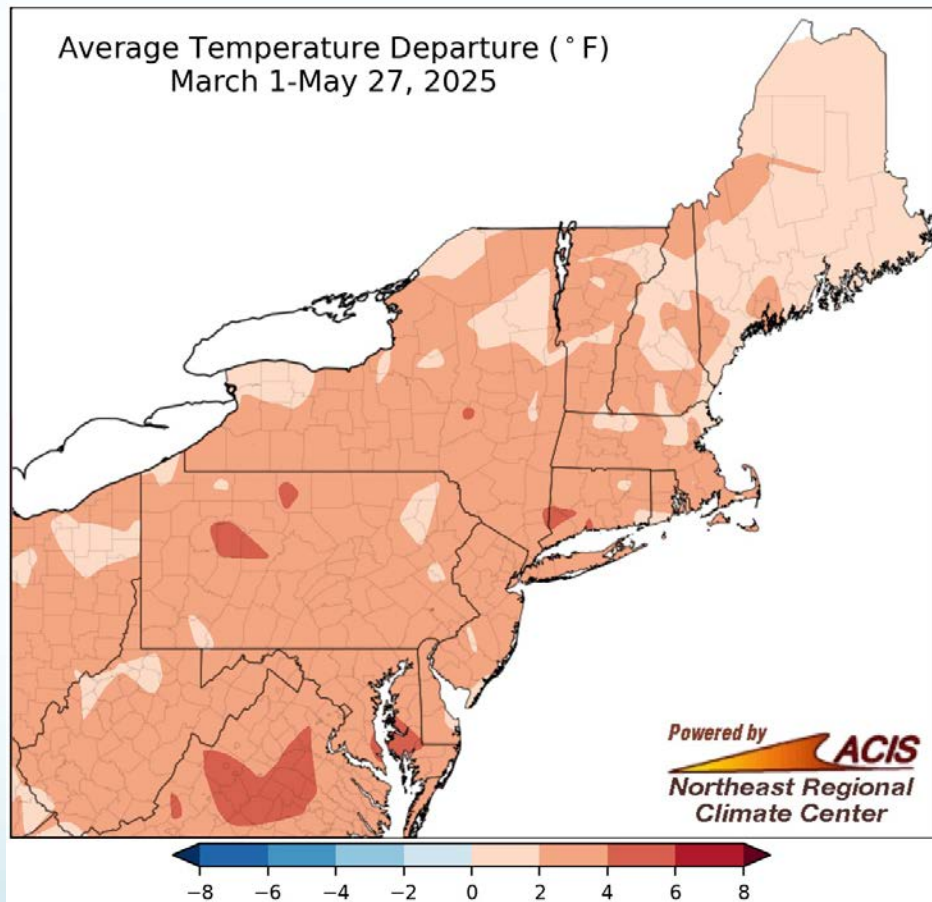
Credit: USGS



Credit: NPS



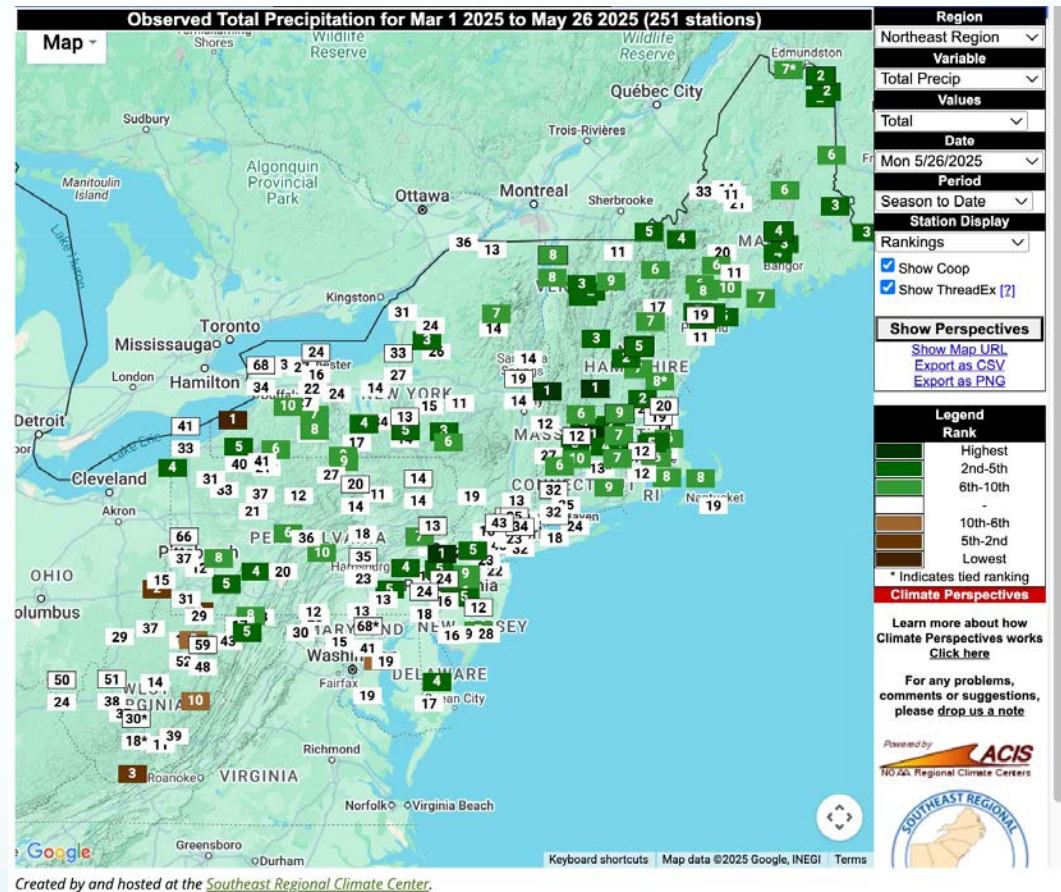
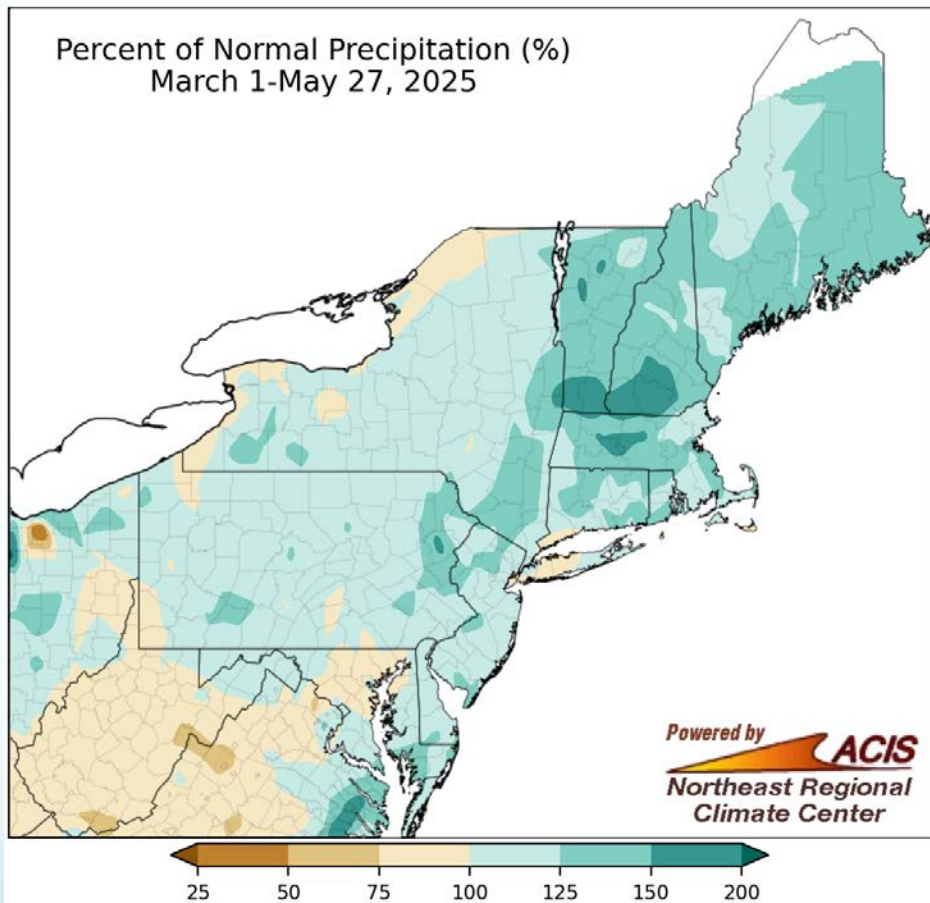
Spring Temperatures



Up to 6°F warmer than normal and
Among the 10 warmest springs for some sites



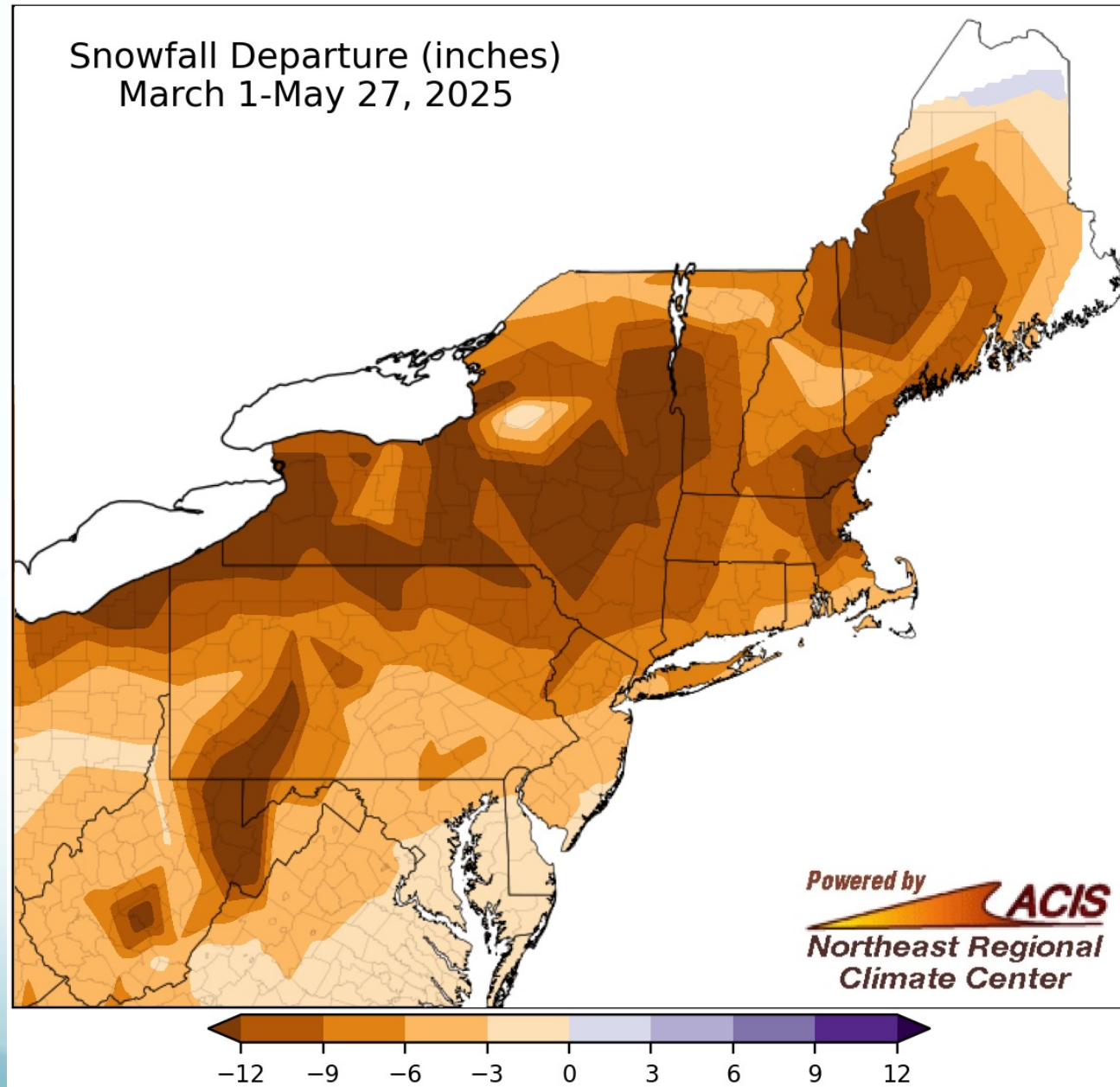
Spring Precipitation



50% of normal to 200% of normal and
Among the 10 wettest springs for a few sites



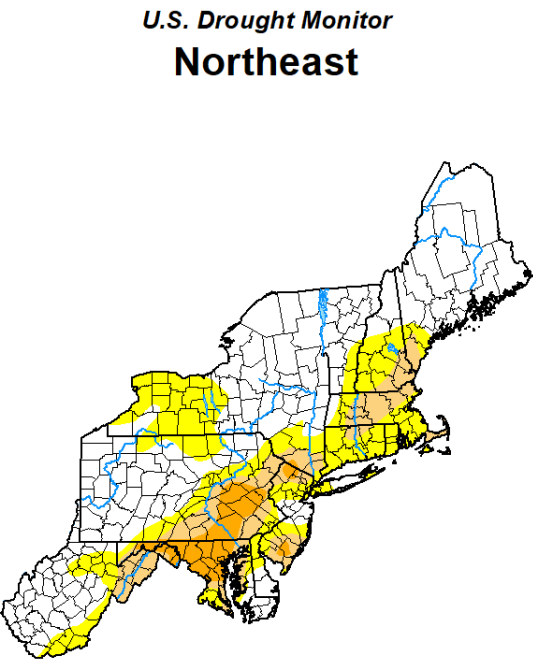
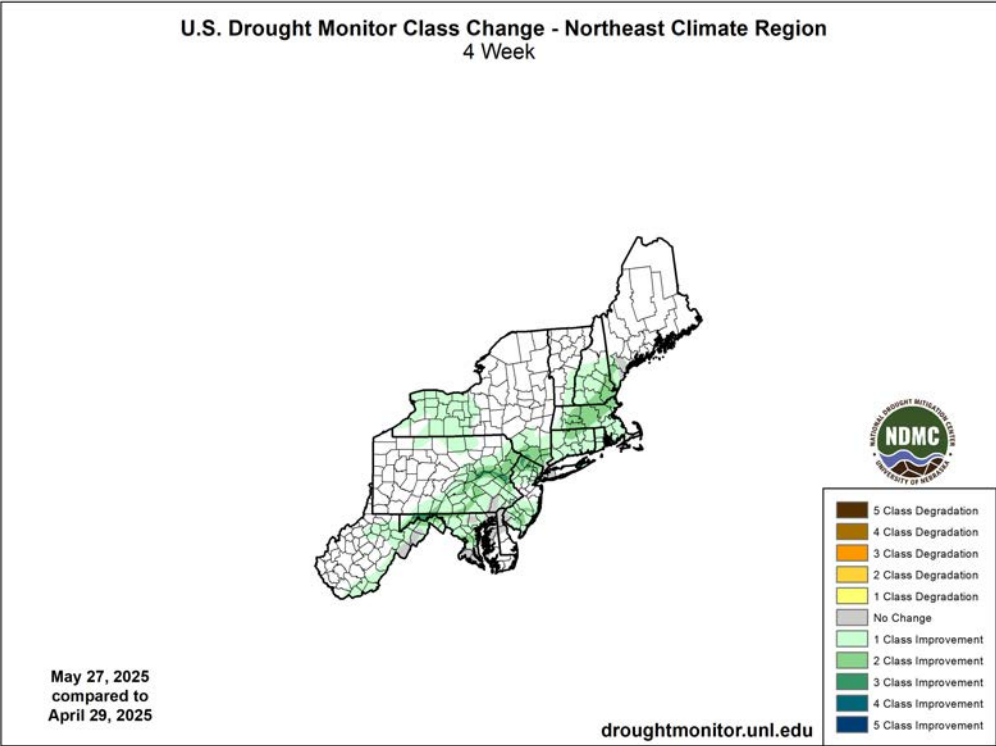
Spring Snowfall



From more than 12" below normal to near normal



Drought Monitor



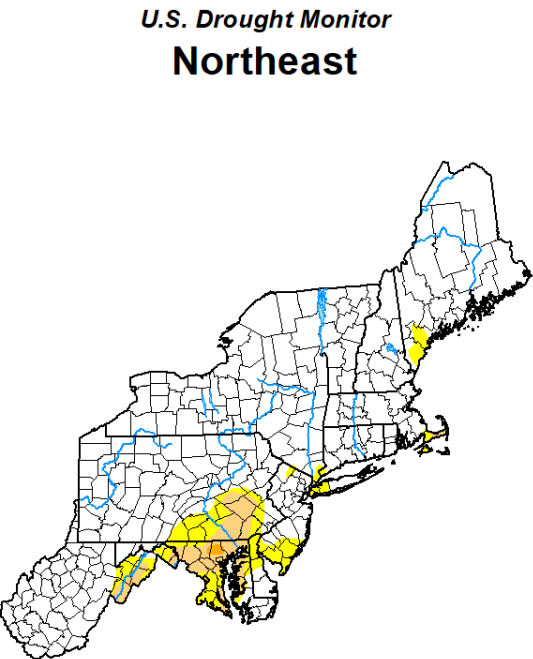
April 29, 2025
(Released Thursday, May. 1, 2025)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	59.17	24.40	11.25	5.19	0.00	0.00
Last Week 04-22-2025	57.25	26.15	11.49	5.10	0.00	0.00
3 Months Ago 01-28-2025	27.00	39.10	22.64	9.90	1.37	0.00
Start of Calendar Year 01-01-2025	33.83	32.27	24.14	8.39	1.37	0.00
Start of Water Year 10-01-2024	45.94	34.77	9.37	4.97	4.27	0.67
One Year Ago 04-30-2024	98.14	1.86	0.00	0.00	0.00	0.00

Intensity:

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



May 27, 2025
(Released Thursday, May. 29, 2025)
Valid 8 a.m. EDT

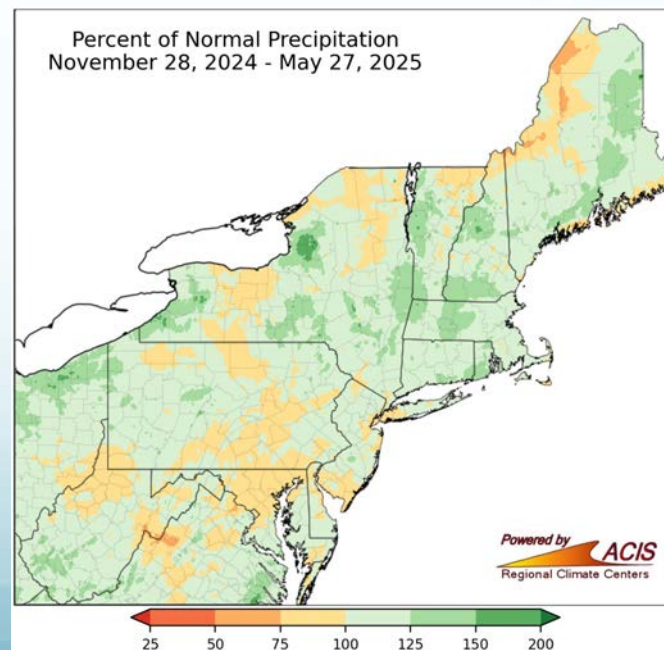
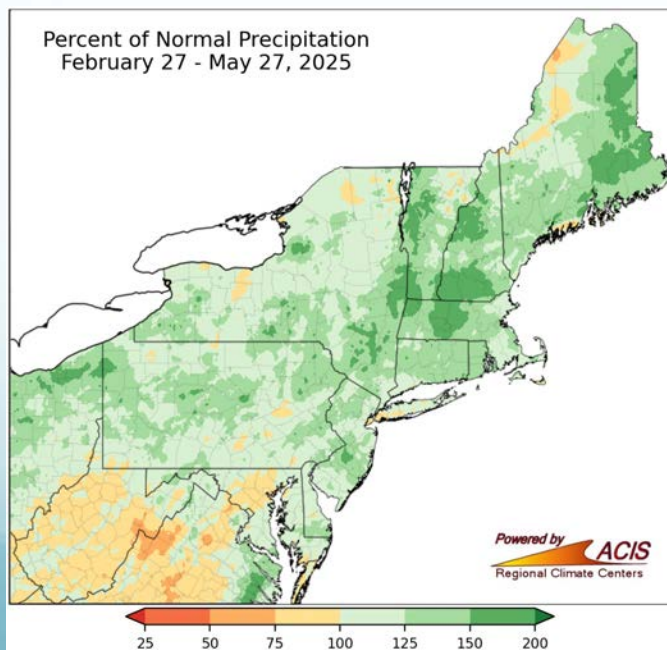
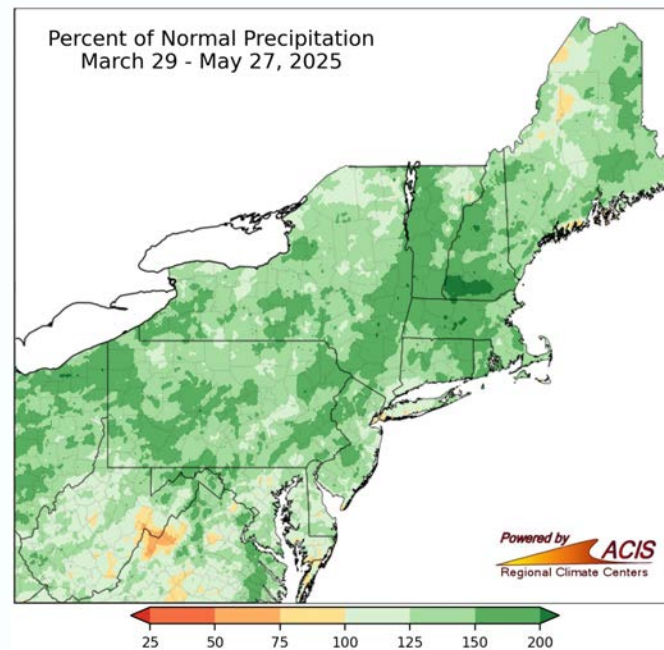
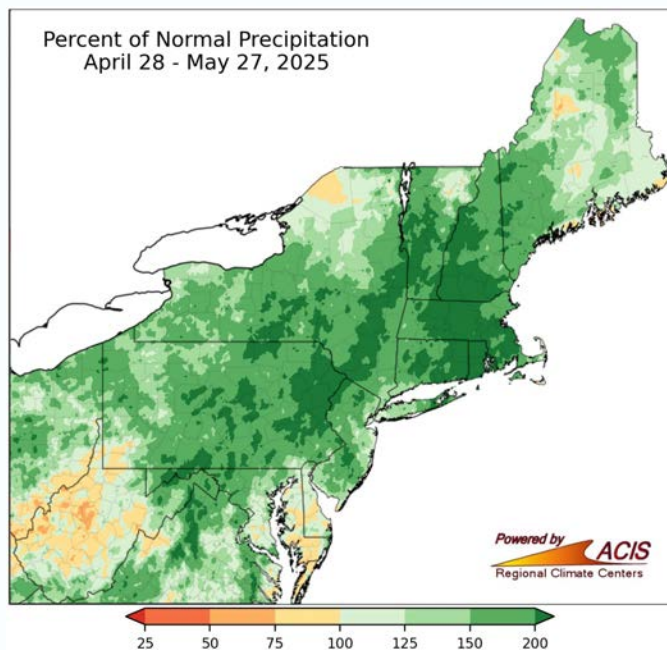
Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	88.56	6.74	4.54	0.16	0.00	0.00
Last Week 05-20-2025	83.87	10.28	5.40	0.45	0.00	0.00
3 Months Ago 02-25-2025	32.97	35.90	21.88	8.39	0.86	0.00
Start of Calendar Year 01-01-2025	33.83	32.27	24.14	8.39	1.37	0.00
Start of Water Year 10-01-2024	45.94	34.77	9.37	4.97	4.27	0.67
One Year Ago 05-28-2024	95.80	4.20	0.00	0.00	0.00	0.00

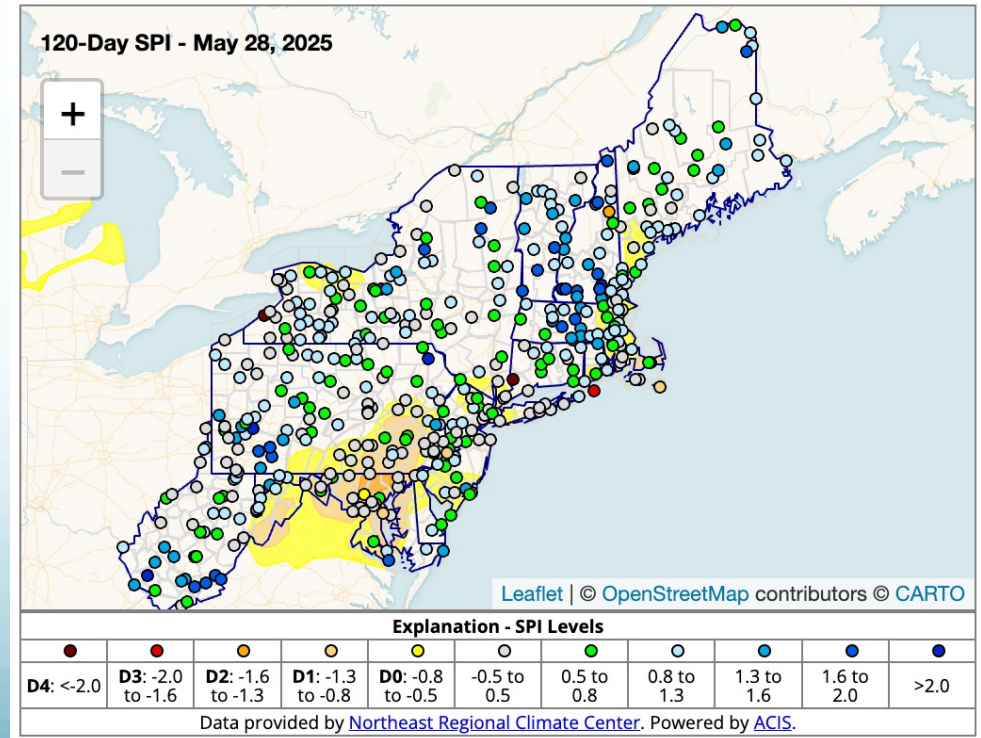
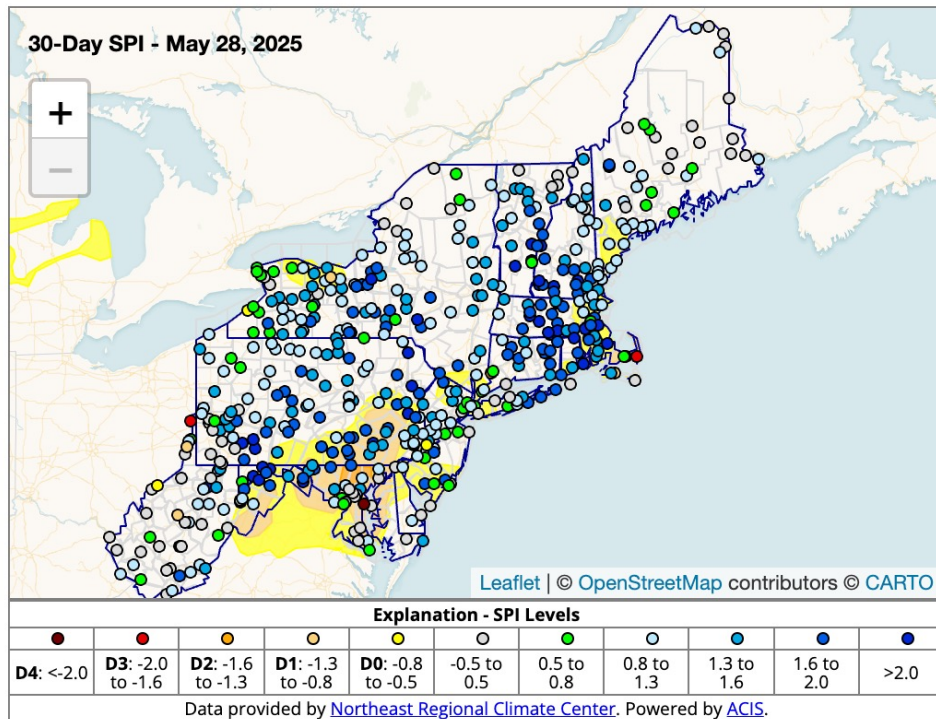
Intensity:

- None
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Precipitation



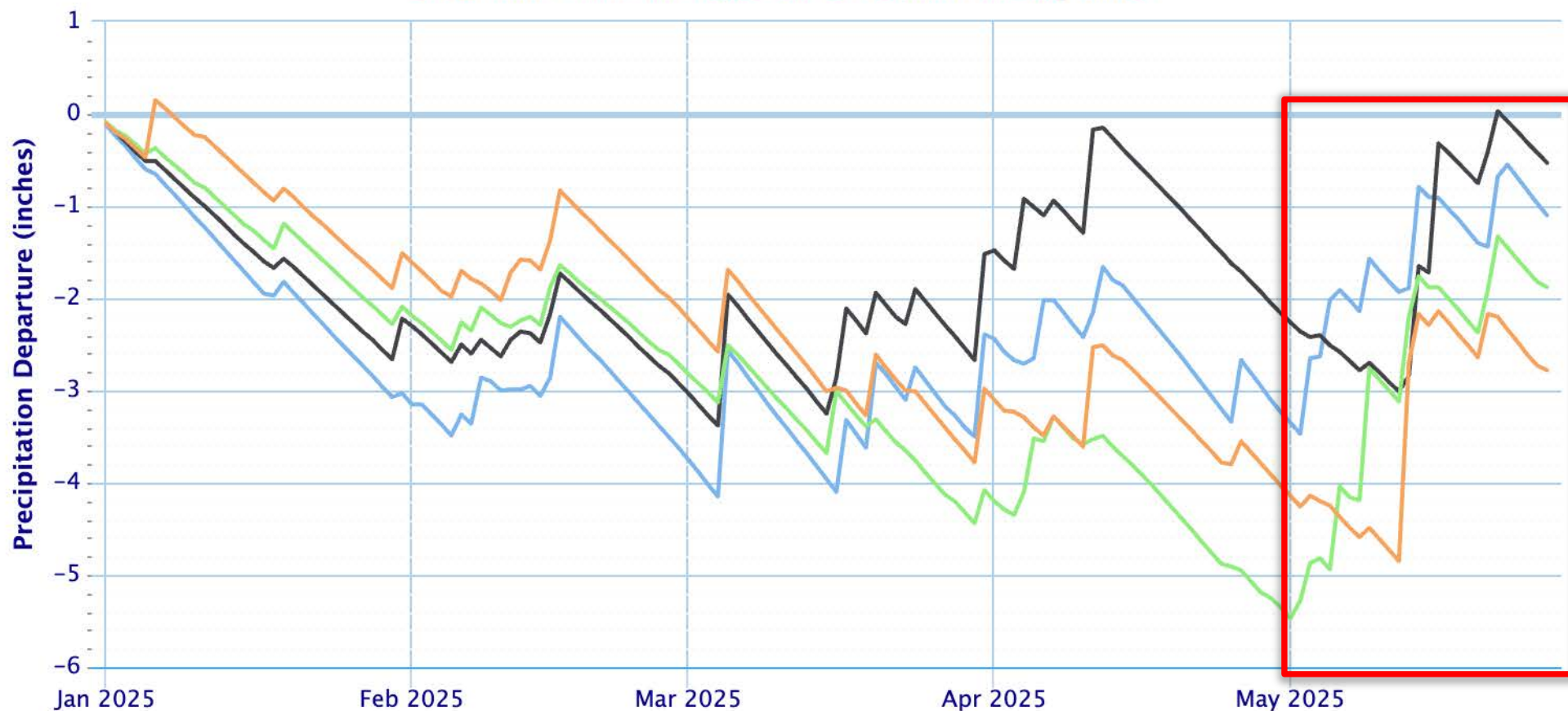
Standardized Precipitation Index



Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

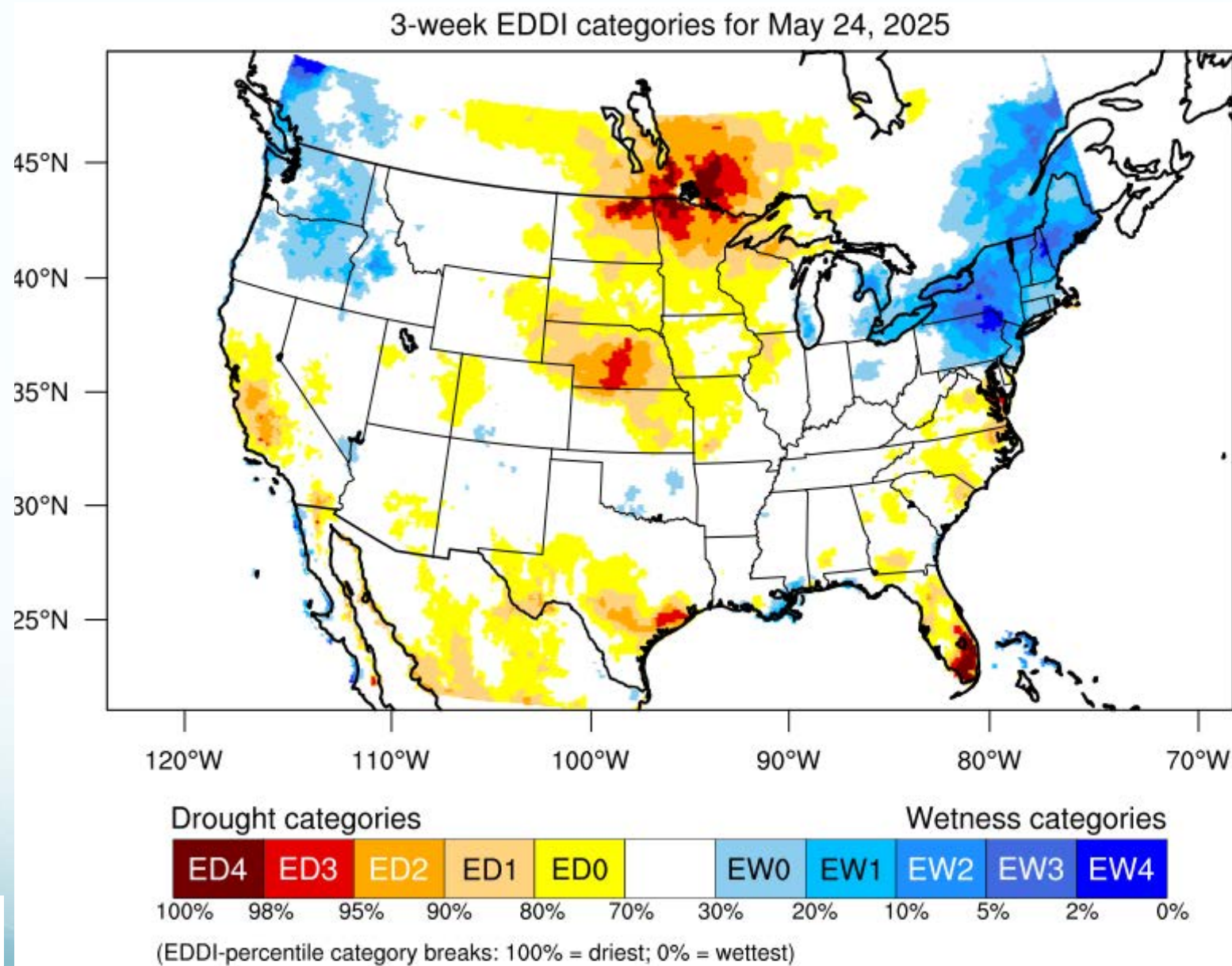
— New York–Central Park Area, NY (ThreadEx):Precip Dprt
— Middletown–Harrisburg Area, PA (ThreadEx):Precip Dprt

— Philadelphia Area, PA (ThreadEx):Precip Dprt
— Baltimore Area, MD (ThreadEx):Precip Dprt



Powered by ACIS

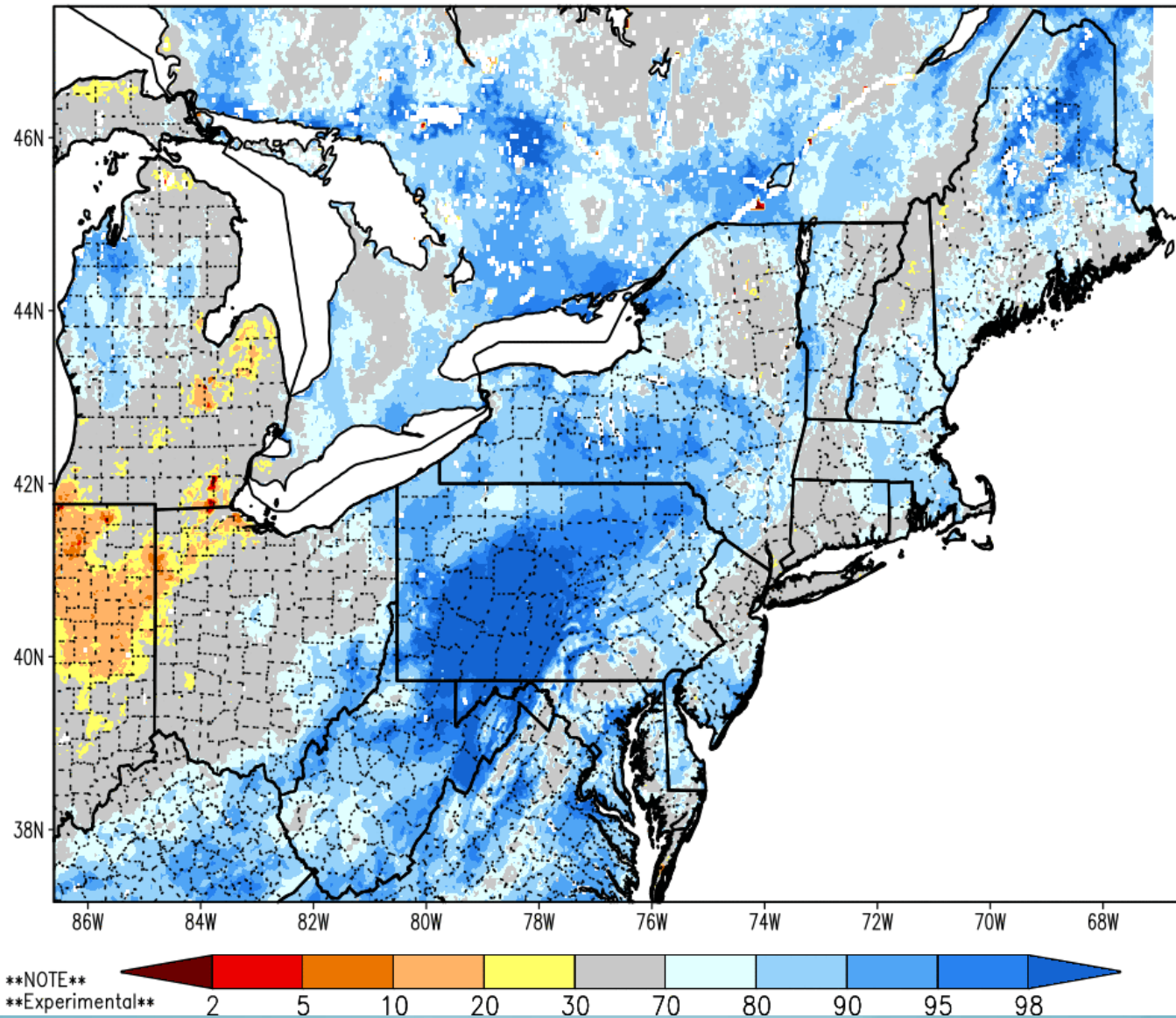
Evap. Demand Drought Index



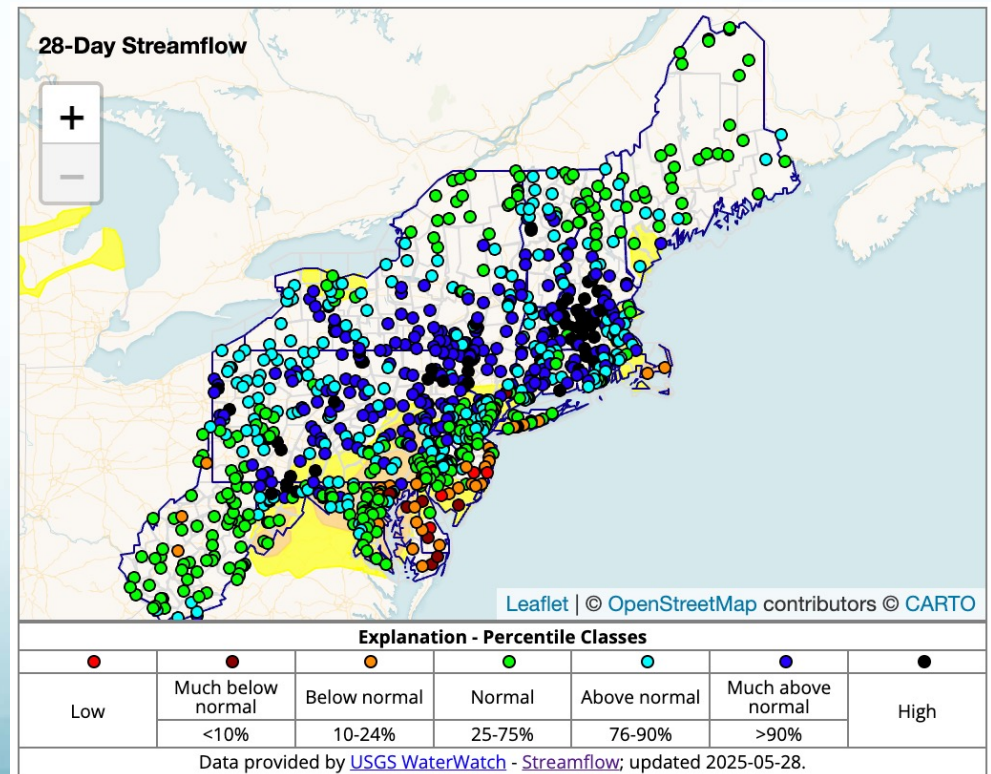
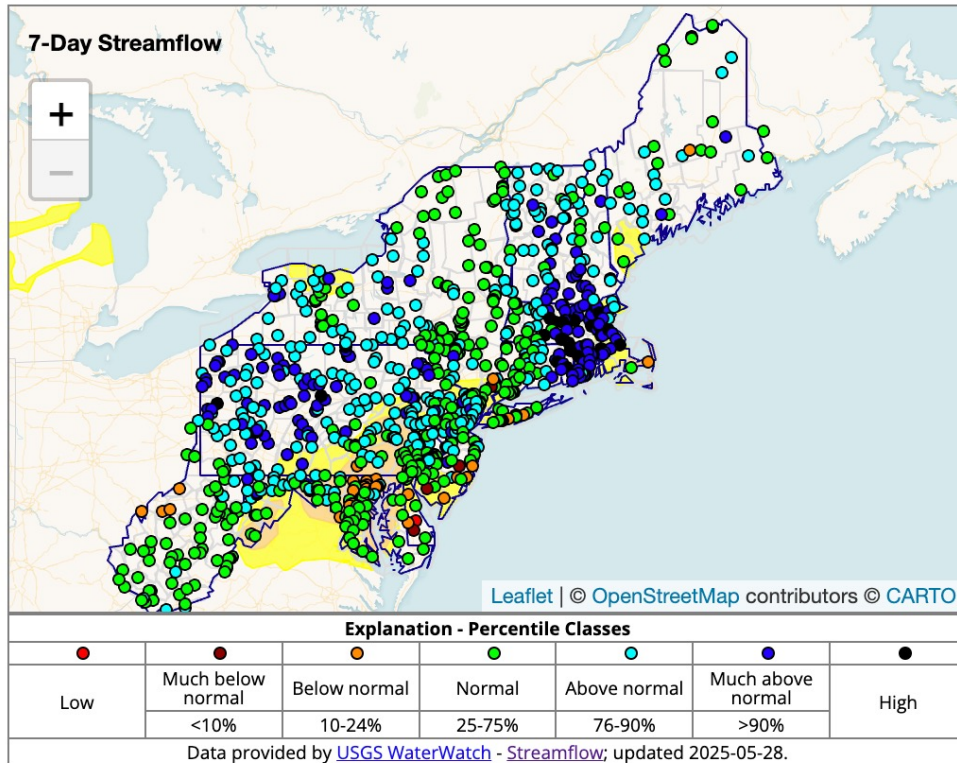
Generated by NOAA/ESRL/Physical Sciences Laboratory

Soil Moisture

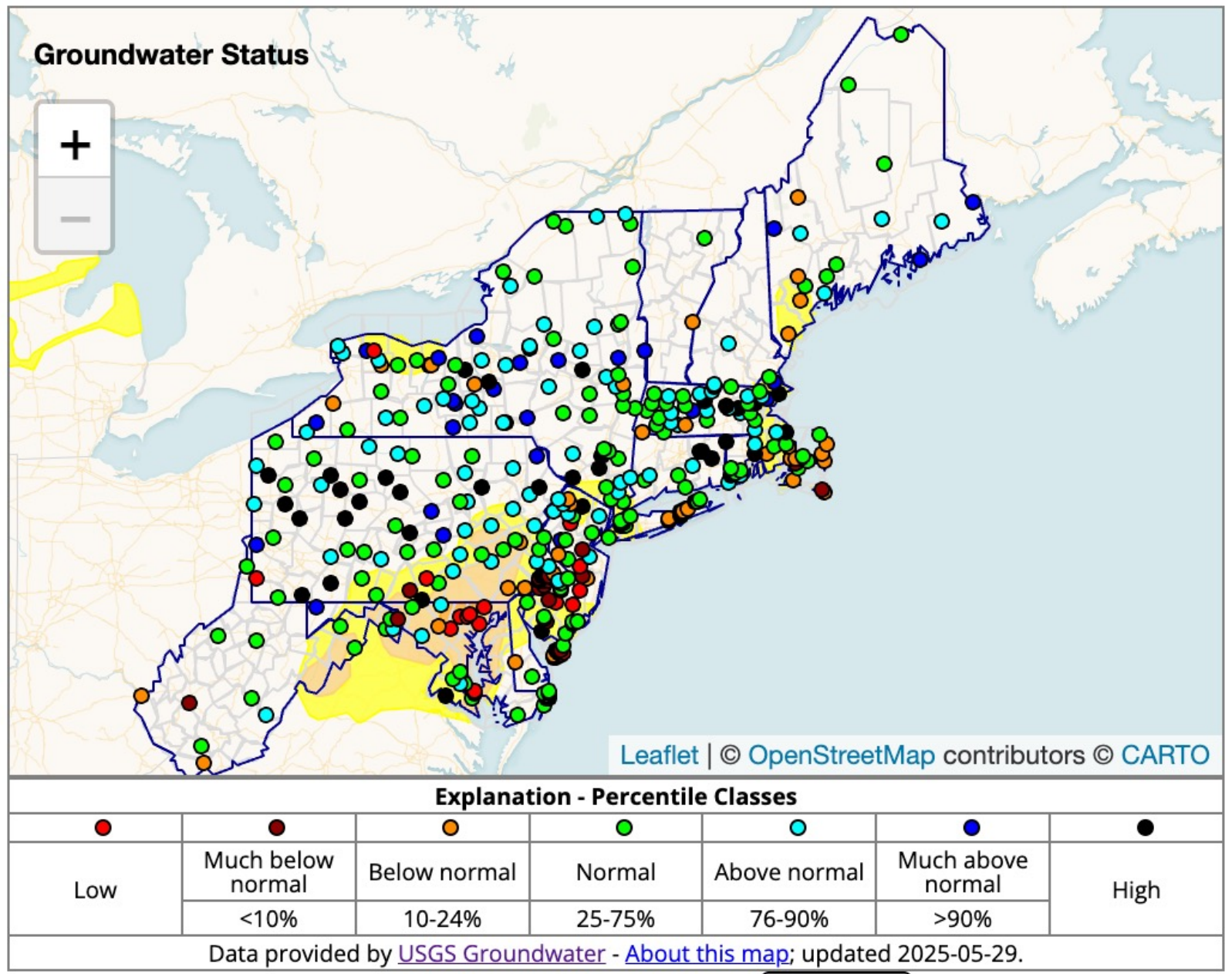
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 29 May 2025



Streamflow

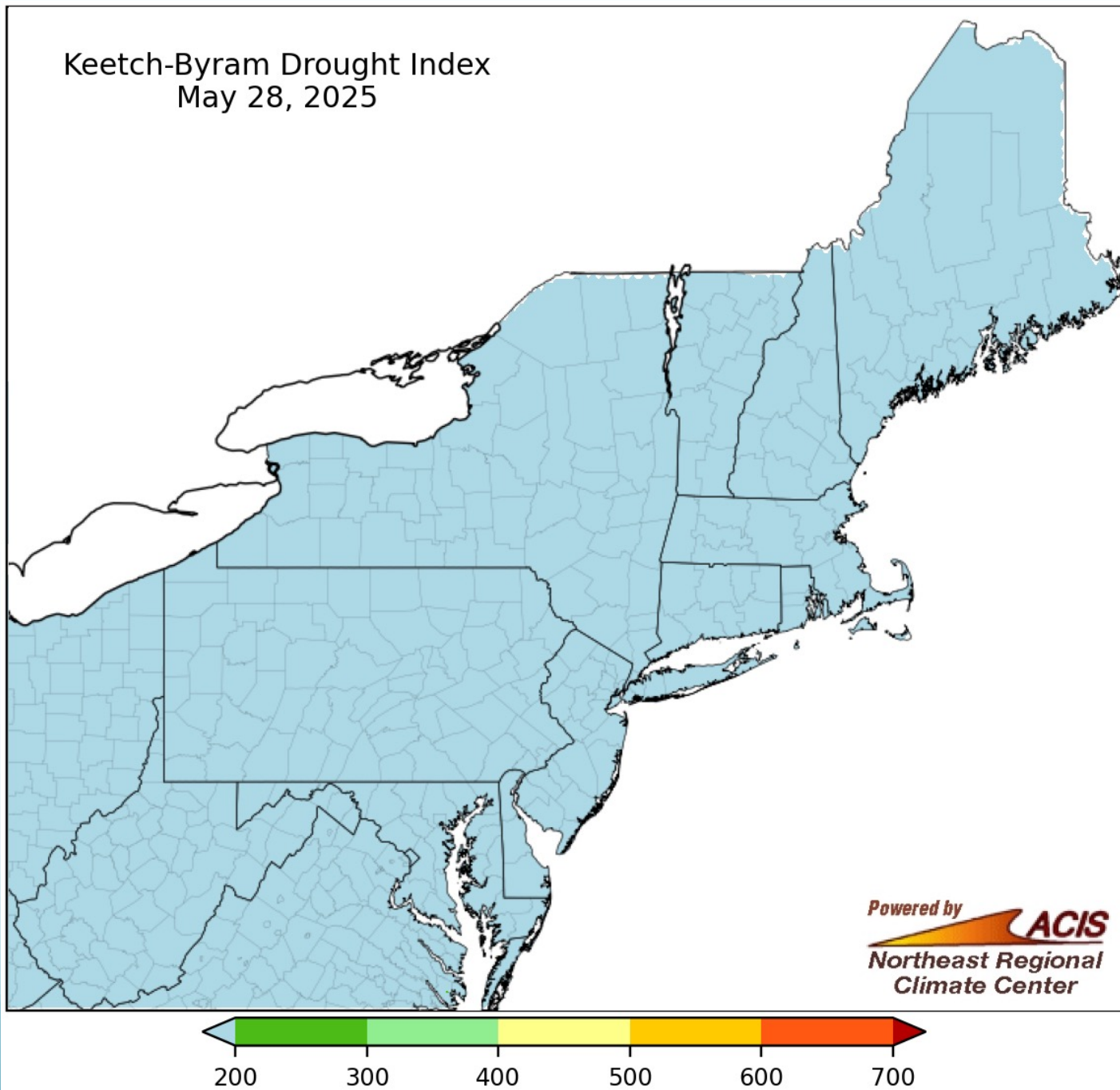


Groundwater

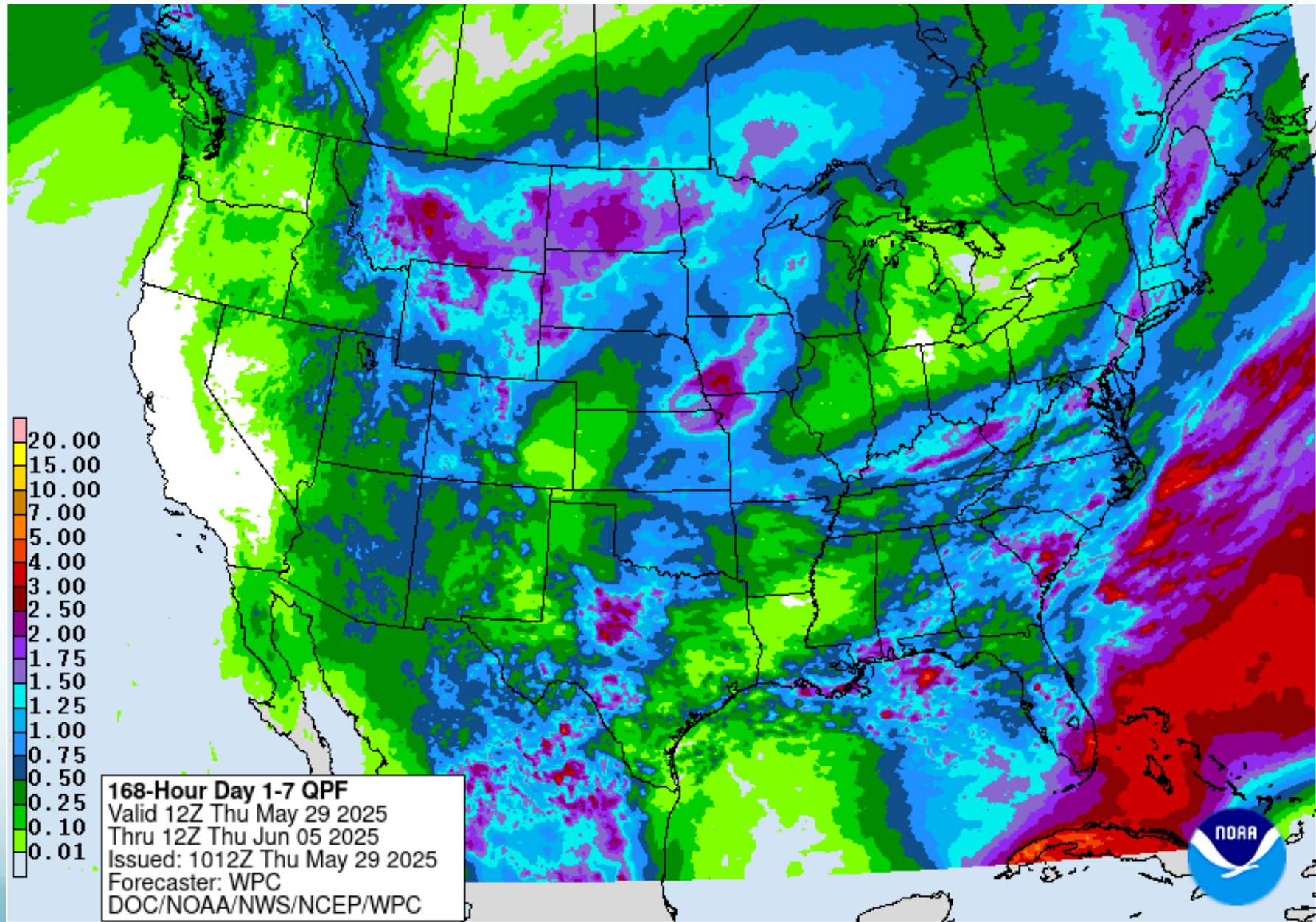


Wildfire Risk

Keetch-Byram Drought Index
May 28, 2025



Precipitation Forecast



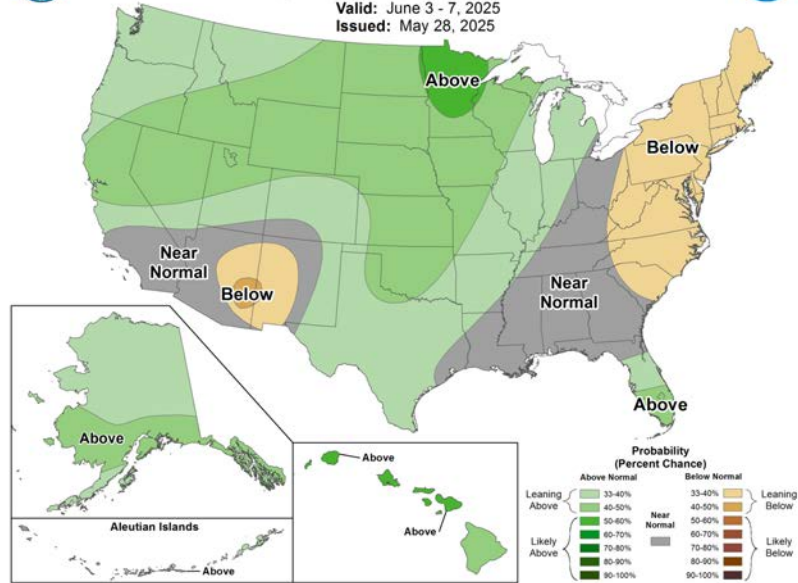
“Normal” precipitation for this period is about 0.80” to 1.10”

Short-term Outlooks



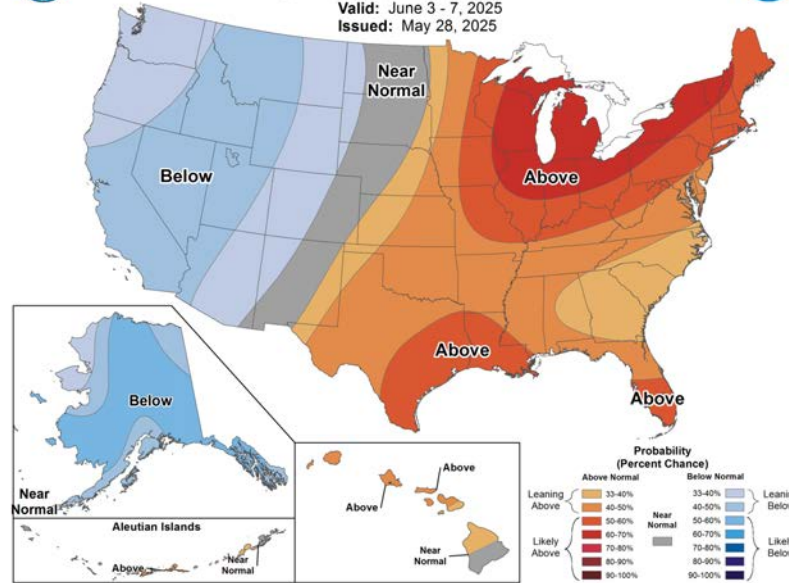
6-10 Day Precipitation Outlook

Valid: June 3 - 7, 2025
Issued: May 28, 2025



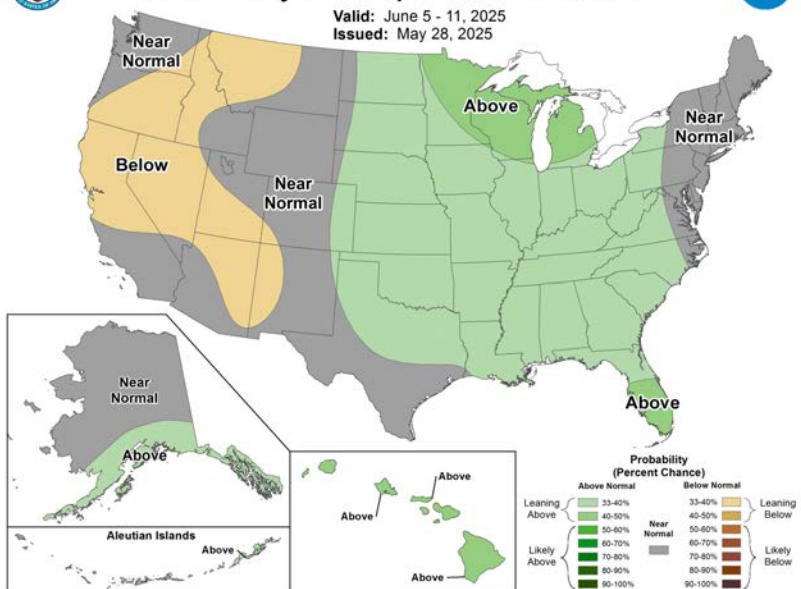
6-10 Day Temperature Outlook

Valid: June 3 - 7, 2025
Issued: May 28, 2025



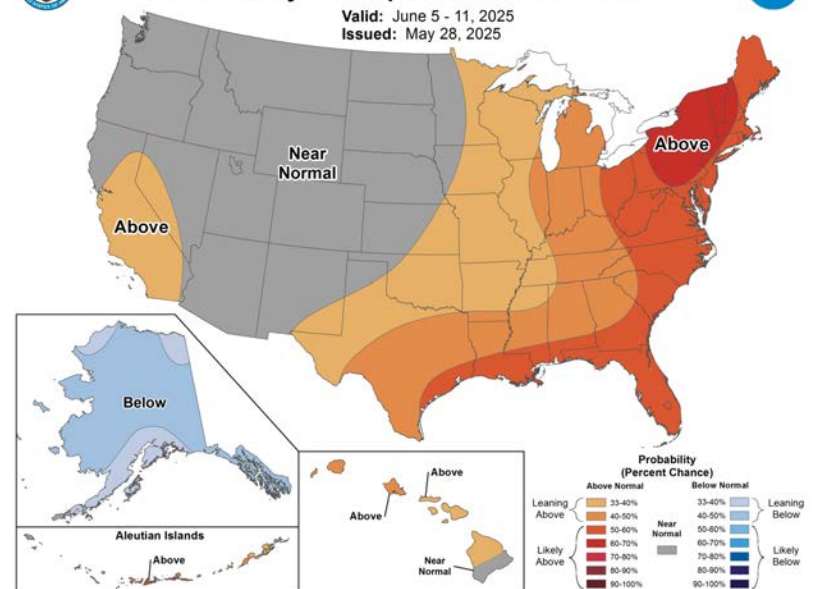
8-14 Day Precipitation Outlook

Valid: June 5 - 11, 2025
Issued: May 28, 2025

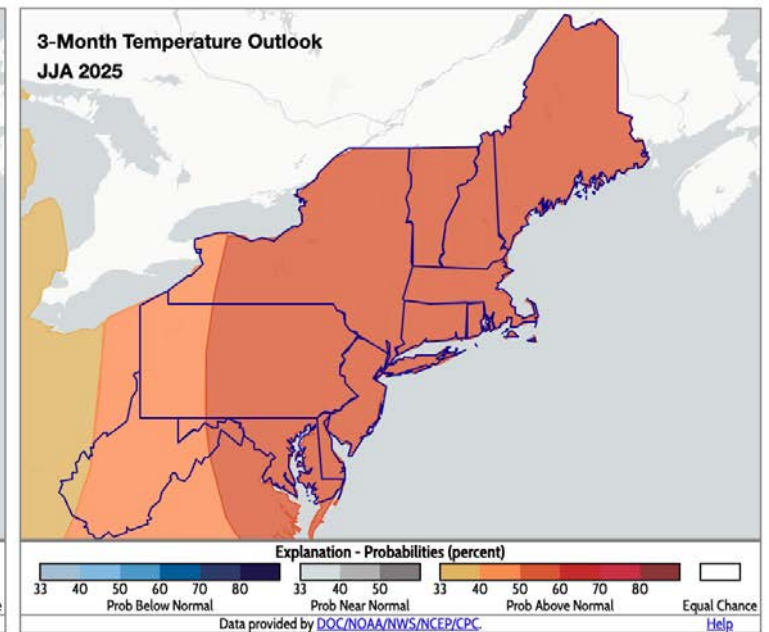
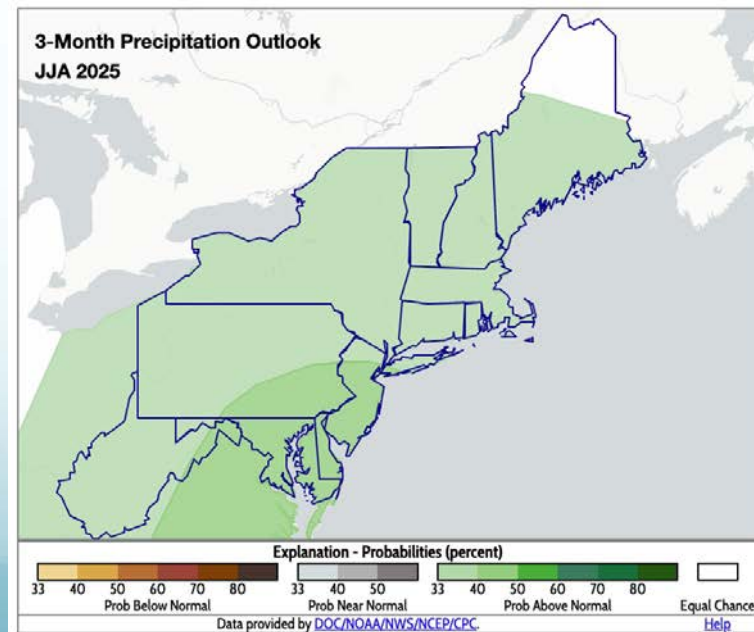
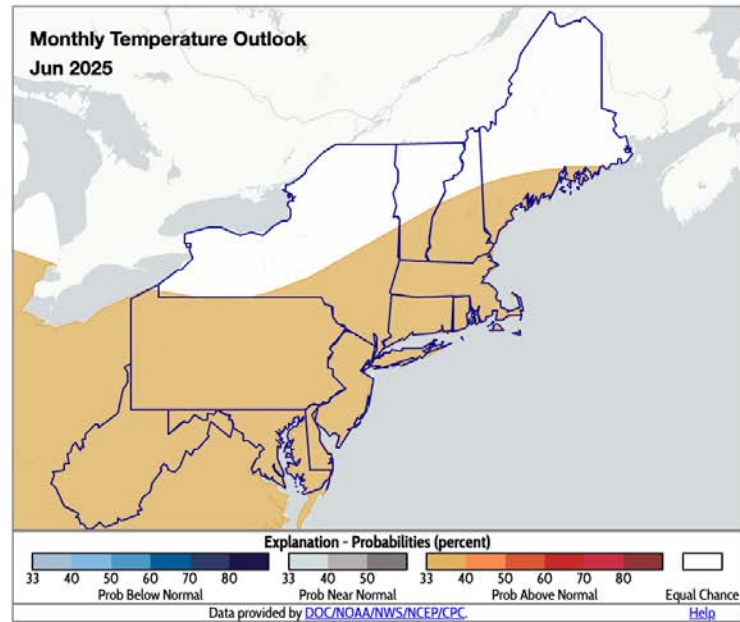
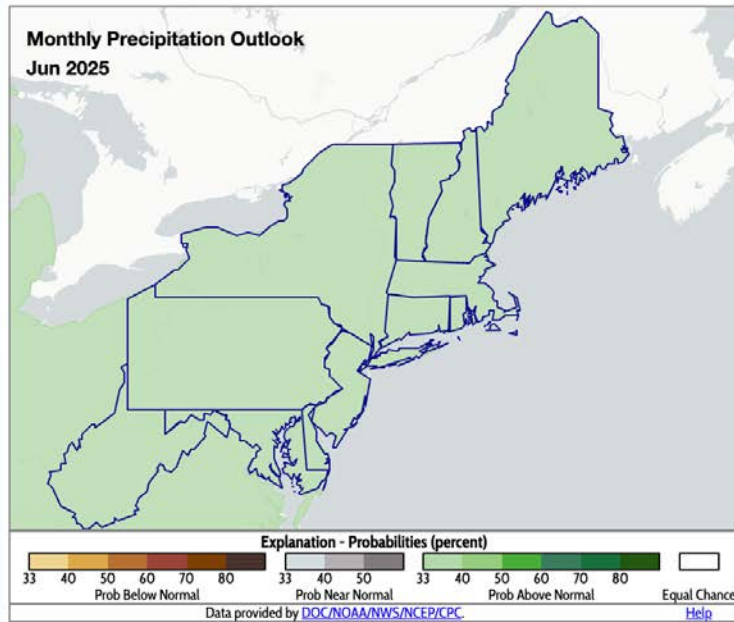


8-14 Day Temperature Outlook

Valid: June 5 - 11, 2025
Issued: May 28, 2025



Monthly & 3-Month Outlooks

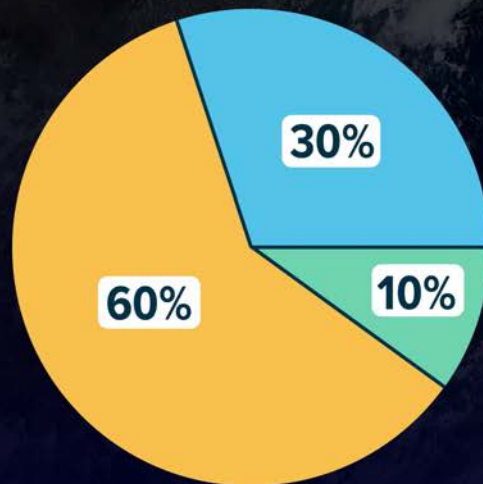


Hurricane Outlook



2025 Atlantic Hurricane Season Outlook

Season Probability



 Above Normal  Near Normal  Below Normal

Named Storms
13 - 19

Hurricanes
6 - 10

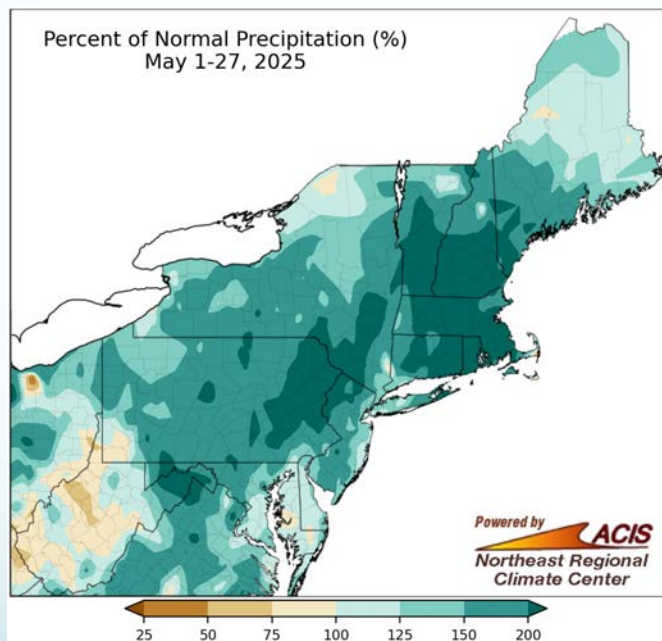
Major Hurricanes
3 - 5



Summary

May-to-date conditions:

- Most areas within 2°F of normal – warm start, cooler end
- Wet for most areas
- Below-normal seasonal snowfall



Drought:

- Wet weather has led to significant improvement
- Still seeing some below-normal or lower streamflow and/or groundwater levels

Outlooks:

- Short term: Above-normal temperatures; below-normal precip for the 6-10 day period but near- or above-normal for the 8-14 day period
- June and summer: tilt toward wetter than normal and warmer than normal for many areas
- Above-normal hurricane season expected



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, June 26 at 9:30am EDT
 - Heat Outlook and Heat.gov Overview
- Thursday, July 31 at 9:30am EDT
 - TBD
- Thursday, August 28 at 9:30am EDT
 - Atlantic Hurricane Season



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