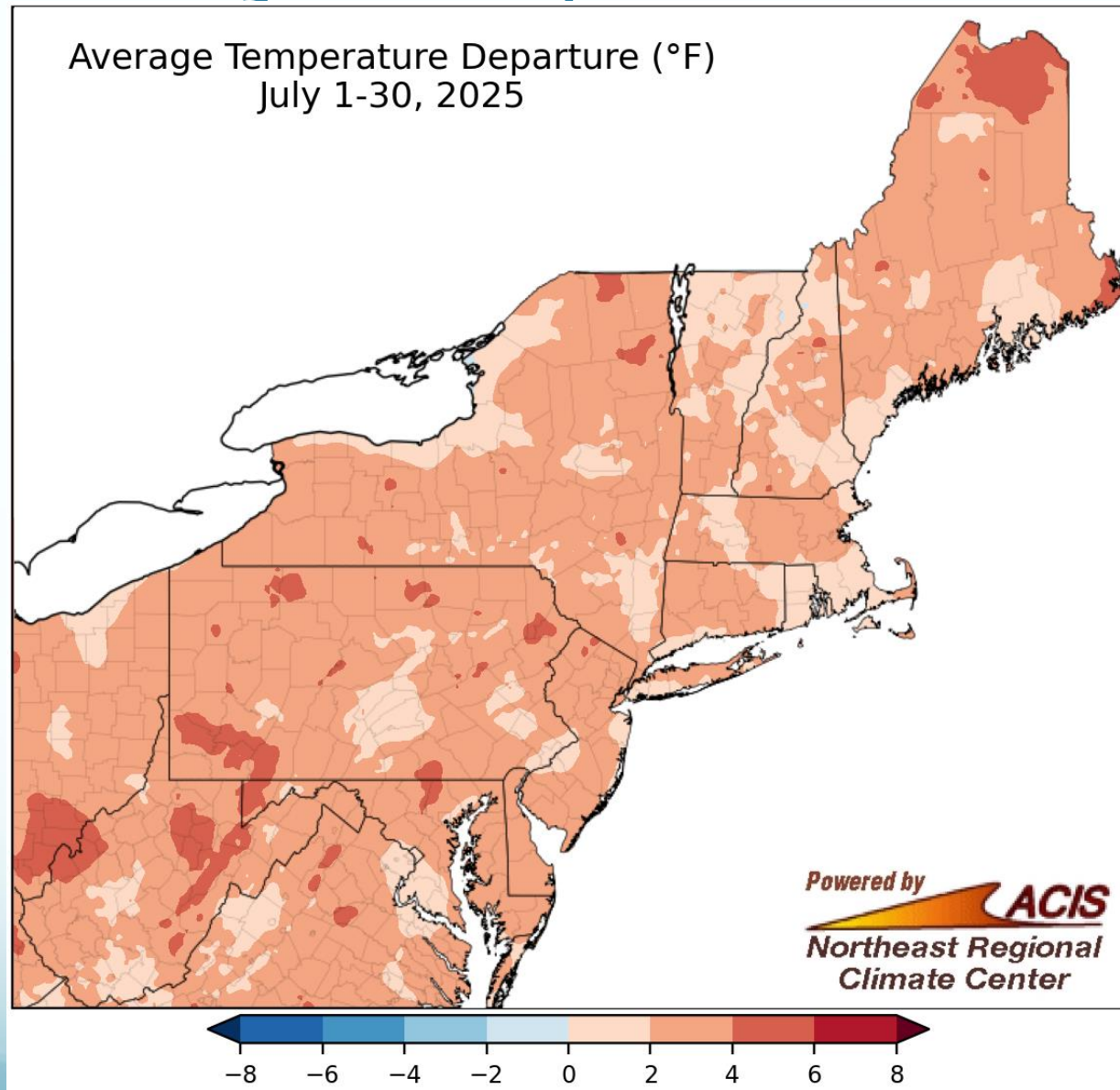


July Recap & Northeast DEWS Discussion

By: Jessica Spaccio, Climatologist
Northeast Regional Climate Center

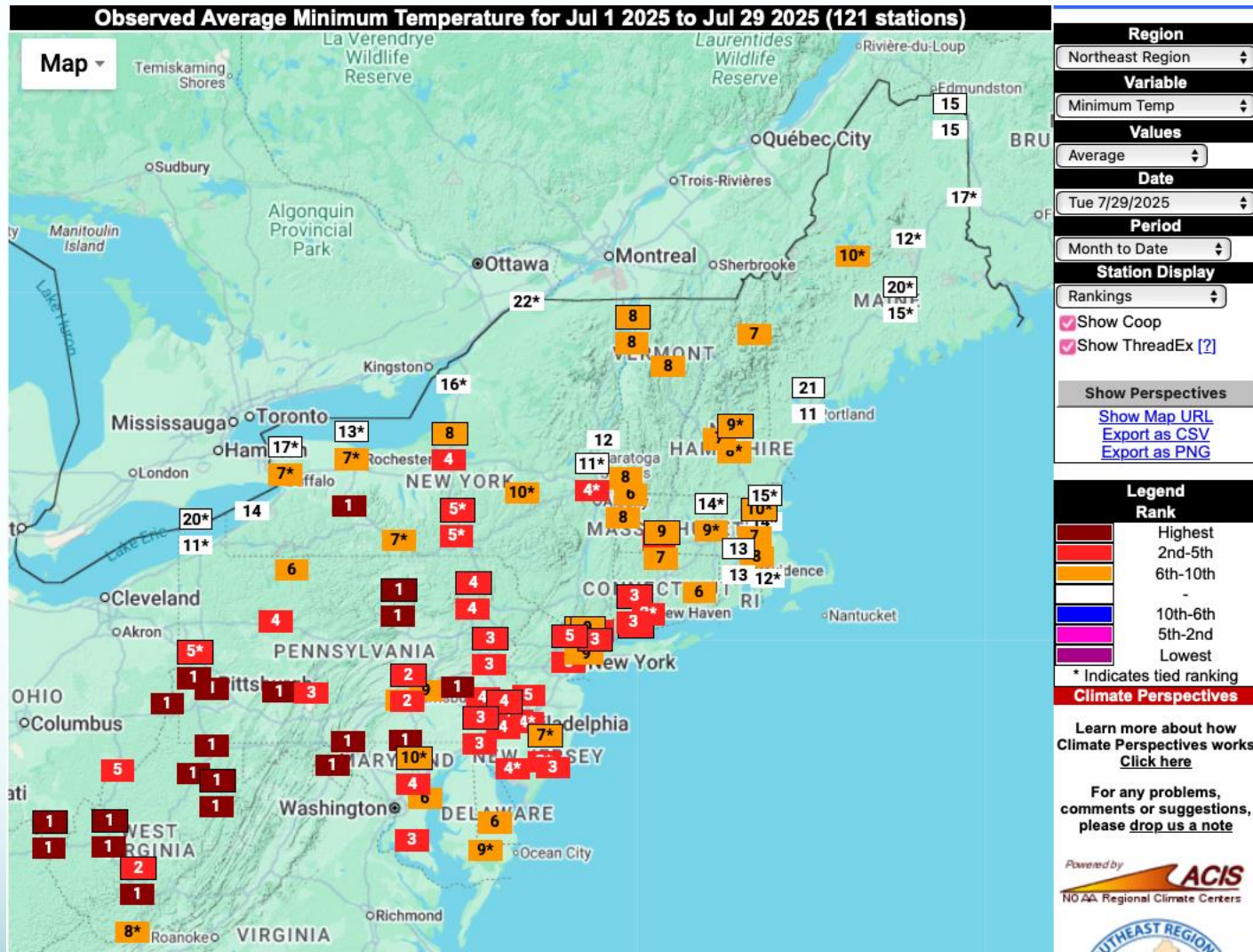


July Temperatures



From near normal to 6°F above normal

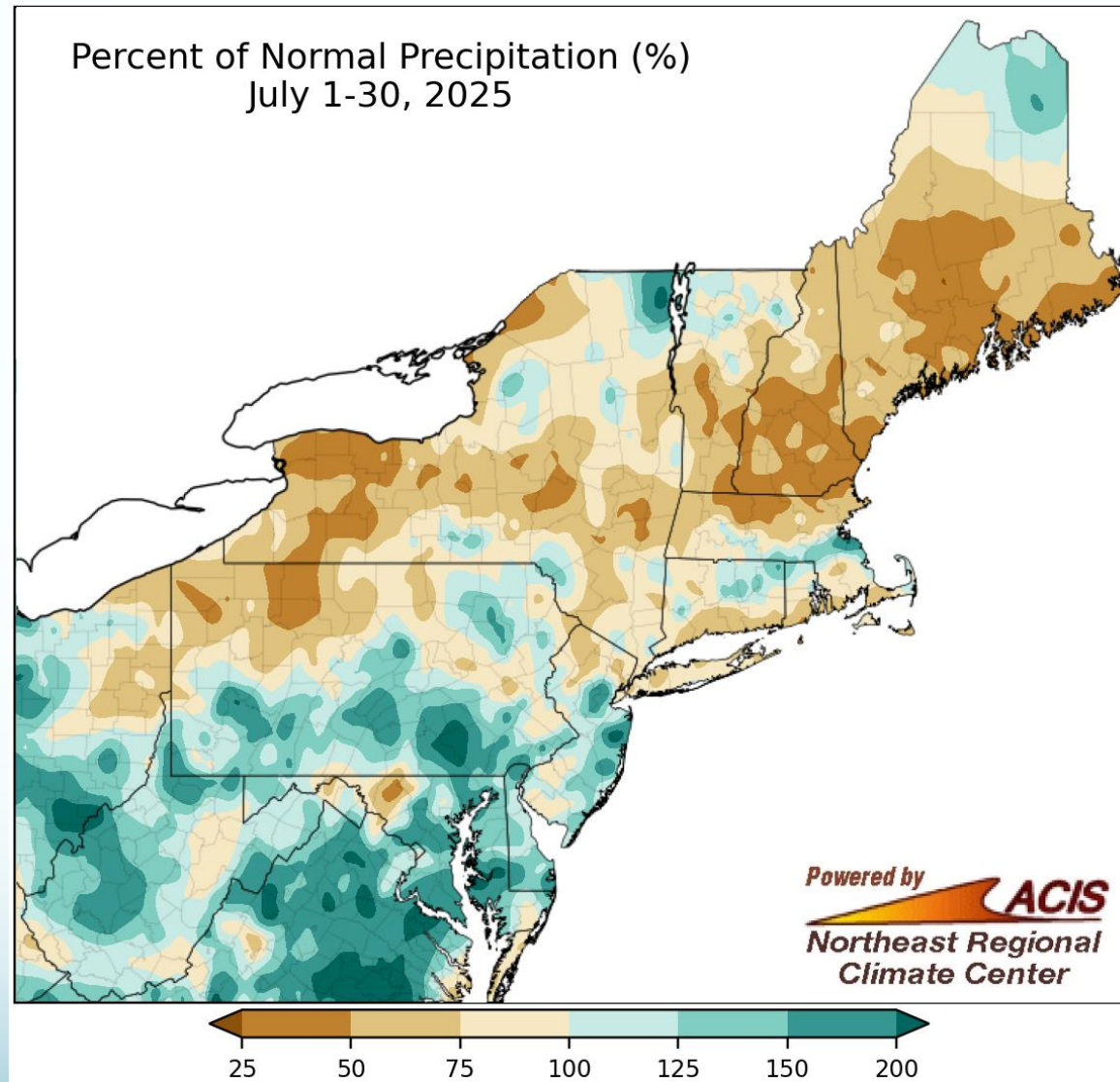
July Temperatures



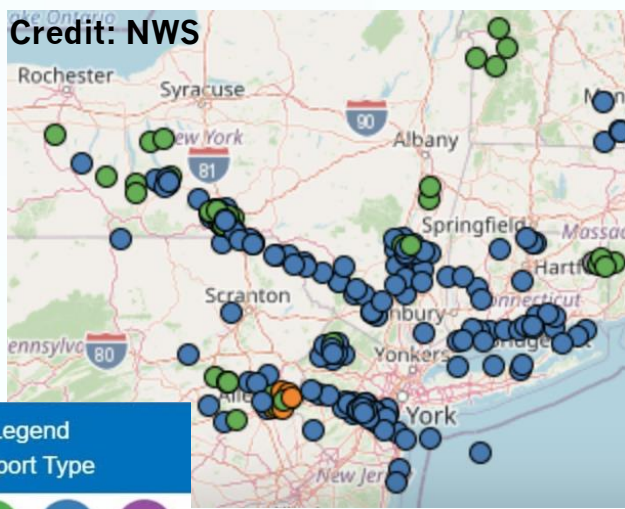
Among 5 warmest July 1-29 nights for some spots



July Precipitation



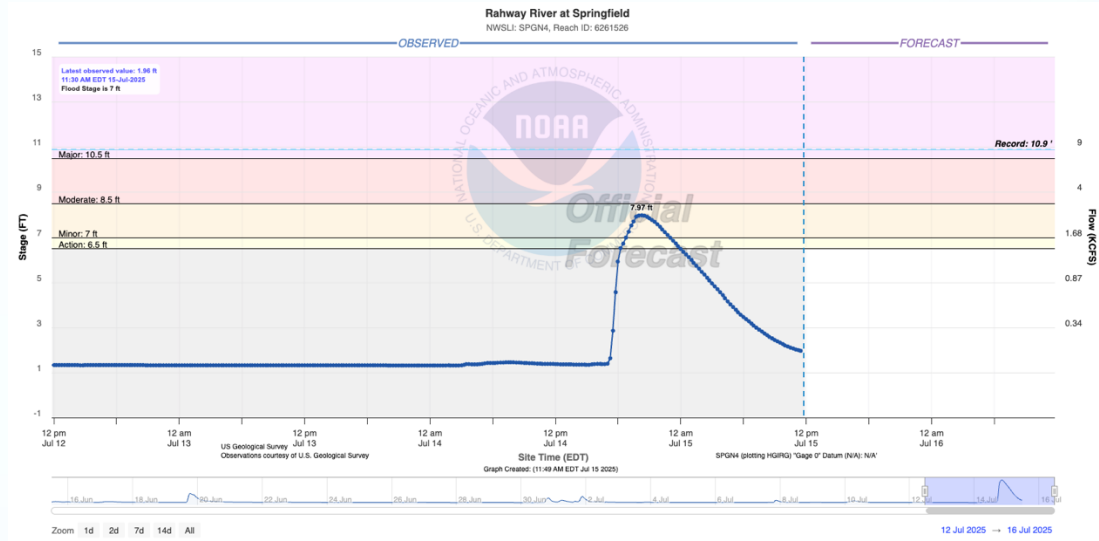
From less than 50% of normal to over 200% of normal



July 3 – supercell traveled 100+ miles; widespread damage from 60-100 mph wind gusts



July Storms



July 14 – Flash flooding in the NYC metro area



July 19 – Flash Flood Emergency in Washington, D.C., metro area



Drought Monitor

U.S. Drought Monitor Northeast Climate Region

July 1, 2025
(Released Thursday, Jul. 3, 2025)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	96.04	3.16	0.79	0.00	0.00	0.00
Last Week 06-24-2025	96.64	2.62	0.74	0.00	0.00	0.00
3 Months Ago 04-01-2025	33.95	41.33	16.82	7.72	0.17	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 07-02-2024	62.28	25.49	10.85	1.38	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



U.S. Drought Monitor Northeast

July 29, 2025
(Released Thursday, Jul. 31, 2025)
Valid 8 a.m. EDT

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>

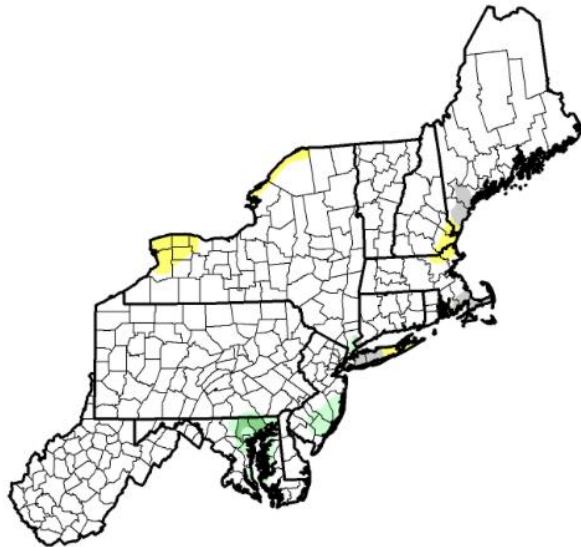
Author:

David Simera
Western Regional Climate Center



droughtmonitor.unl.edu

U.S. Drought Monitor Class Change - Northeast Climate Region 4 Week



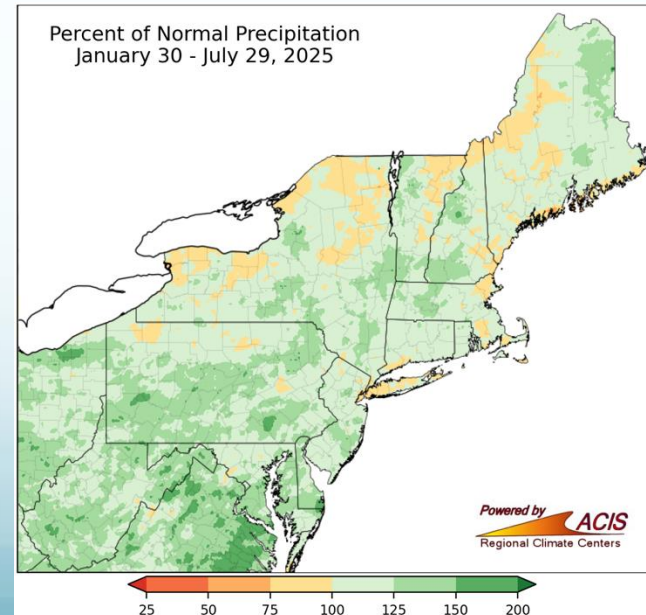
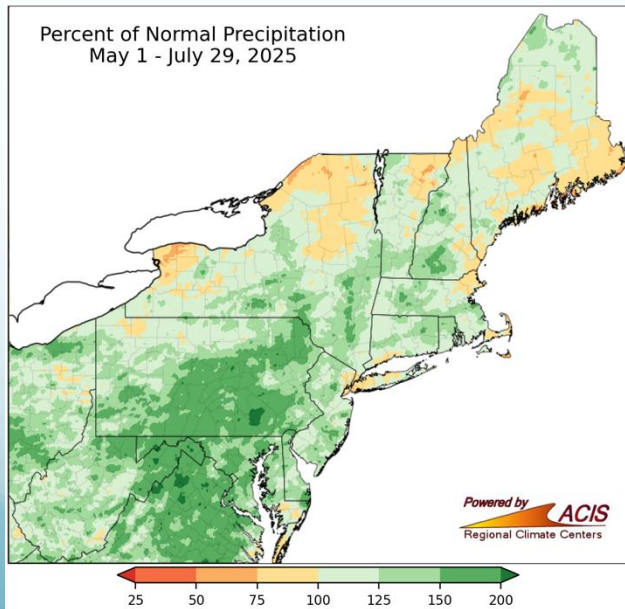
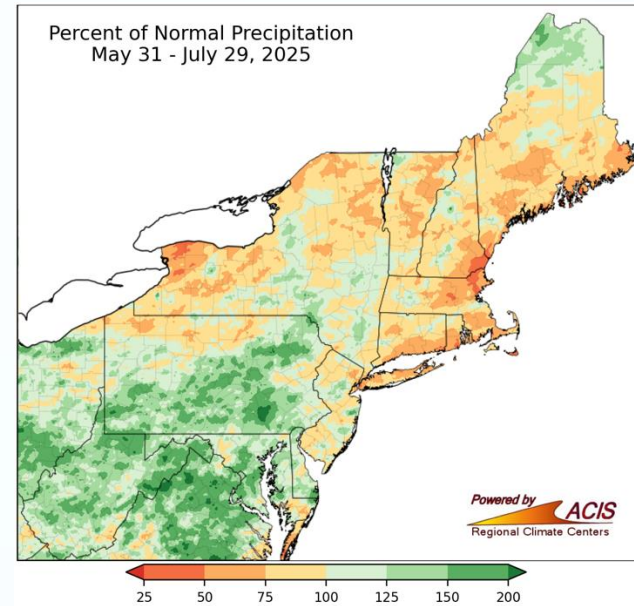
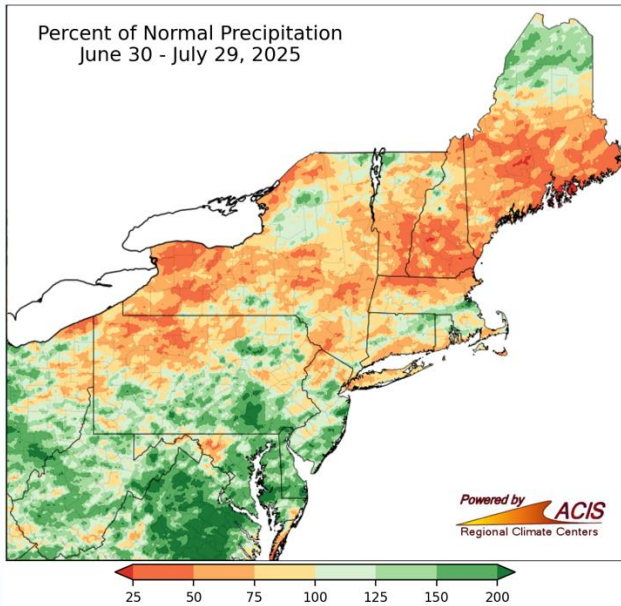
5 Class Degradation
4 Class Degradation
3 Class Degradation
2 Class Degradation
1 Class Degradation
No Change
1 Class Improvement
2 Class Improvement
3 Class Improvement
4 Class Improvement
5 Class Improvement

July 29, 2025
compared to
July 1, 2025

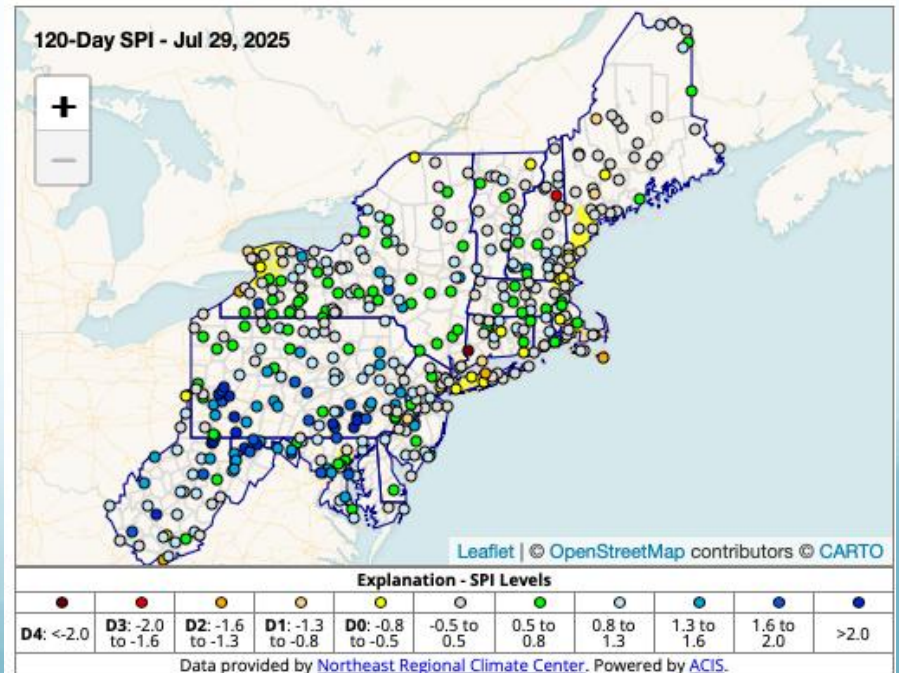
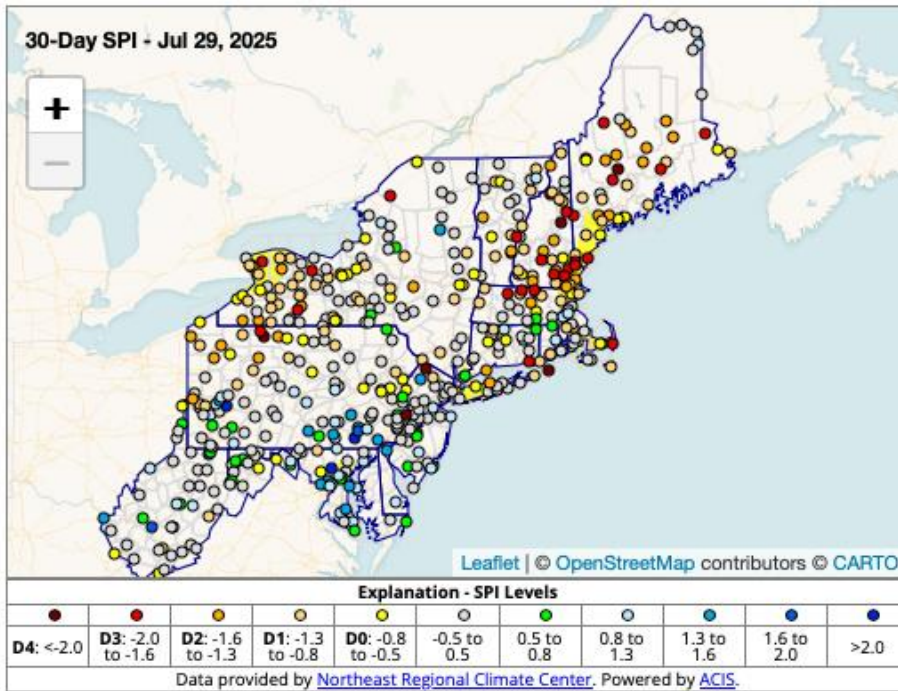
droughtmonitor.unl.edu



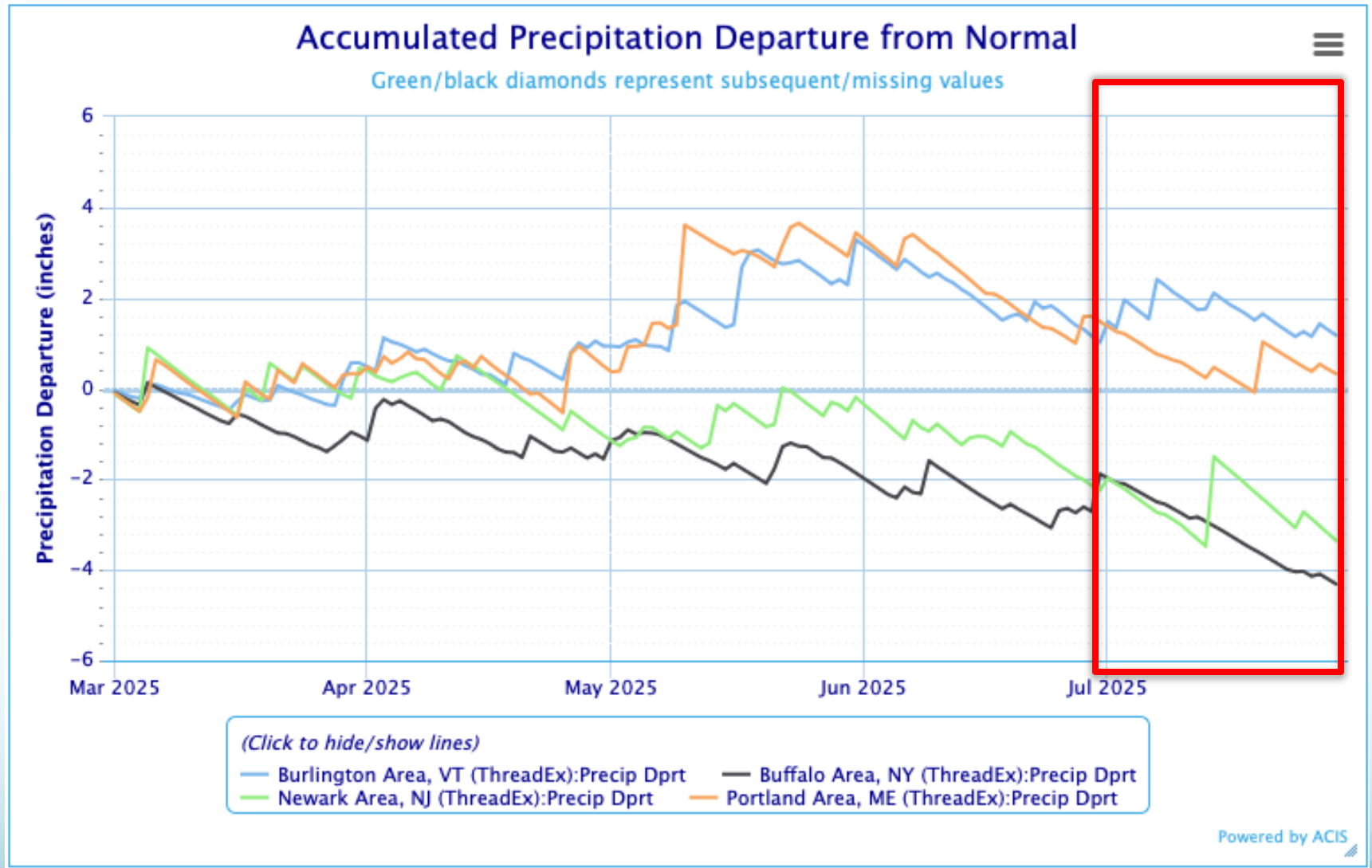
Precipitation



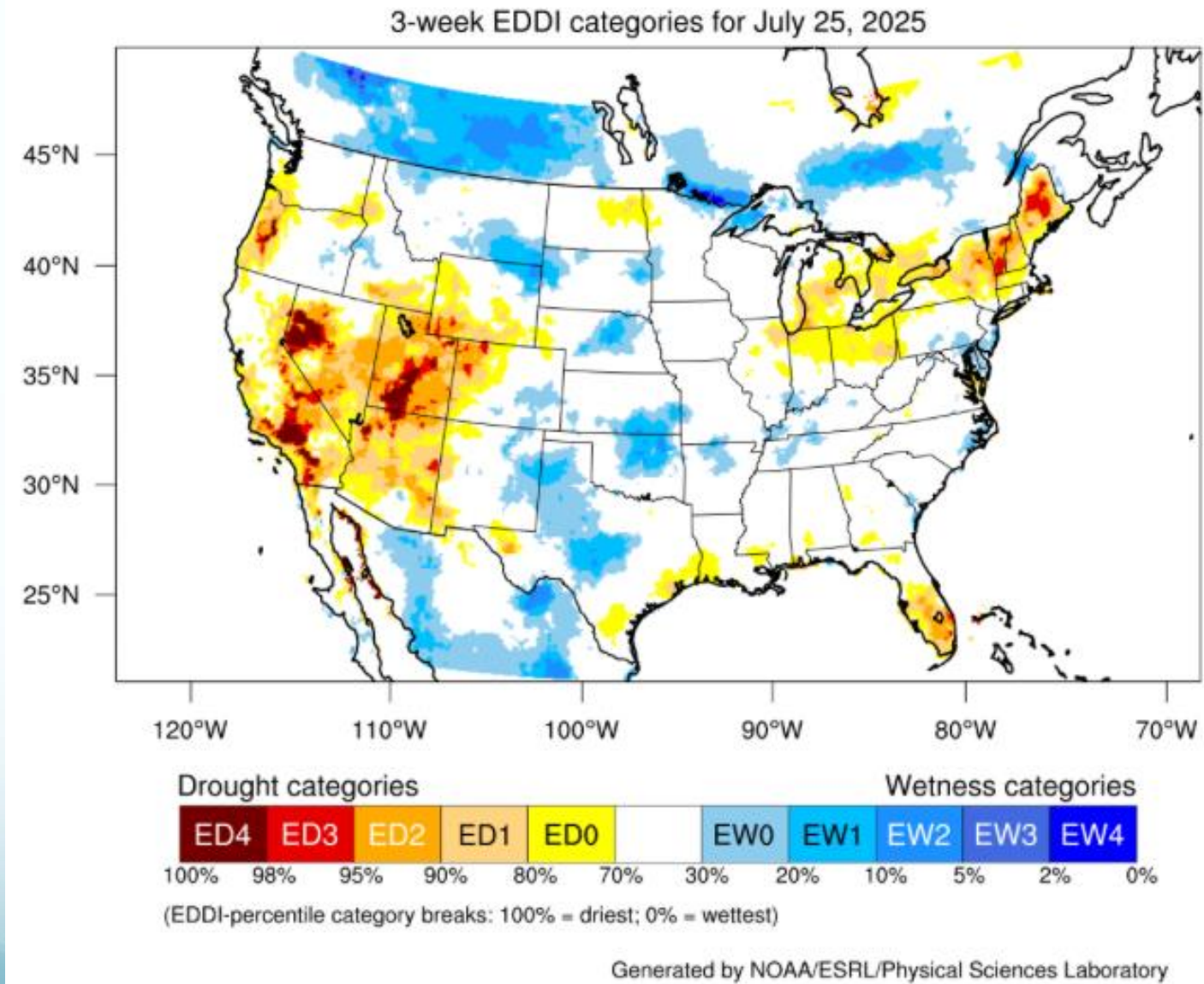
Standardized Precipitation Index



Precipitation

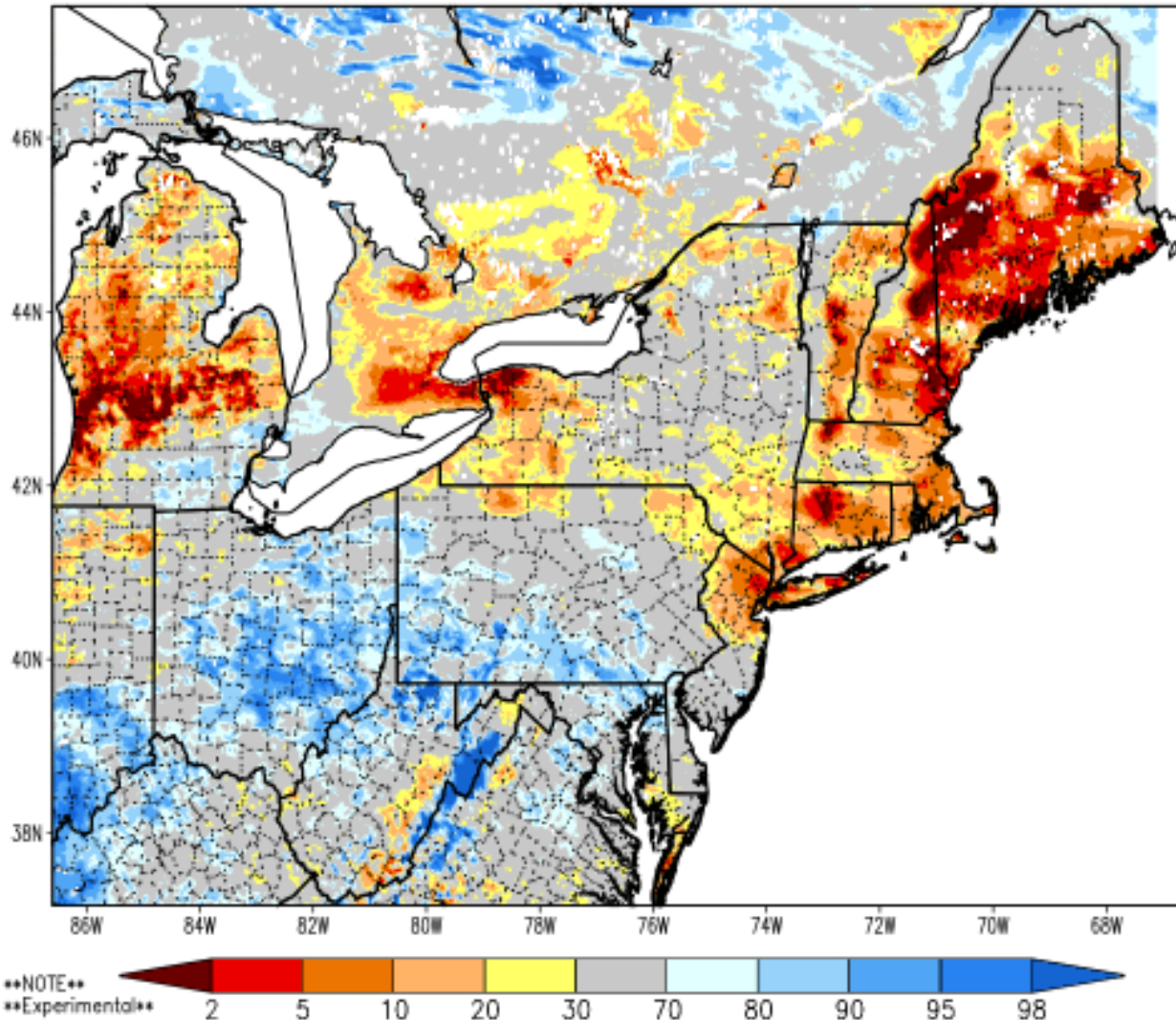


Evap. Demand Drought Index



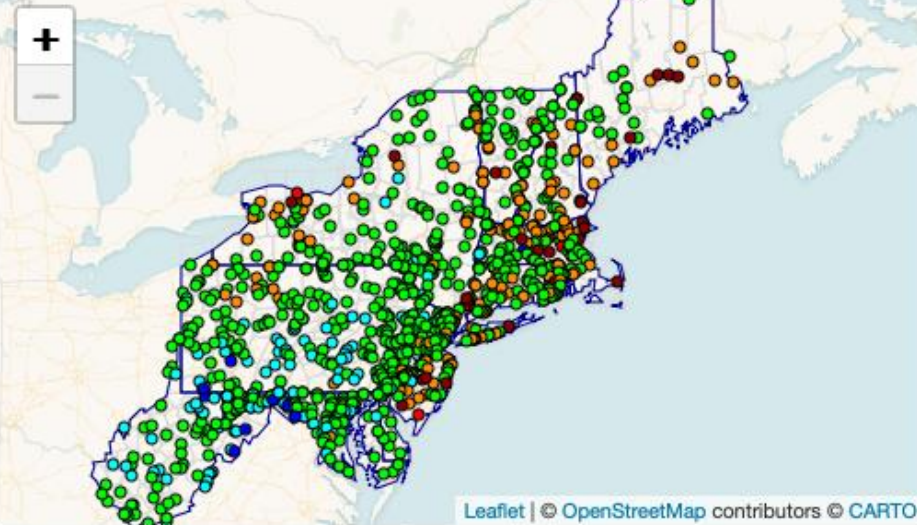
Soil Moisture

SPoRT-LIS 0-10 cm Soil Moisture percentile valid 30 Jul 2025



Streamflow

7-Day Streamflow

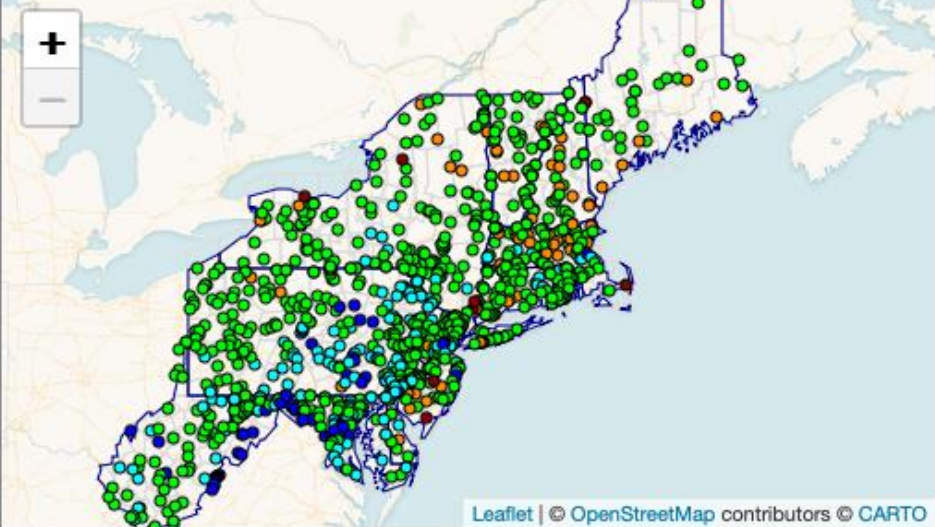


Explanation - Percentile Classes

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 2025-07-30.

28-Day Streamflow



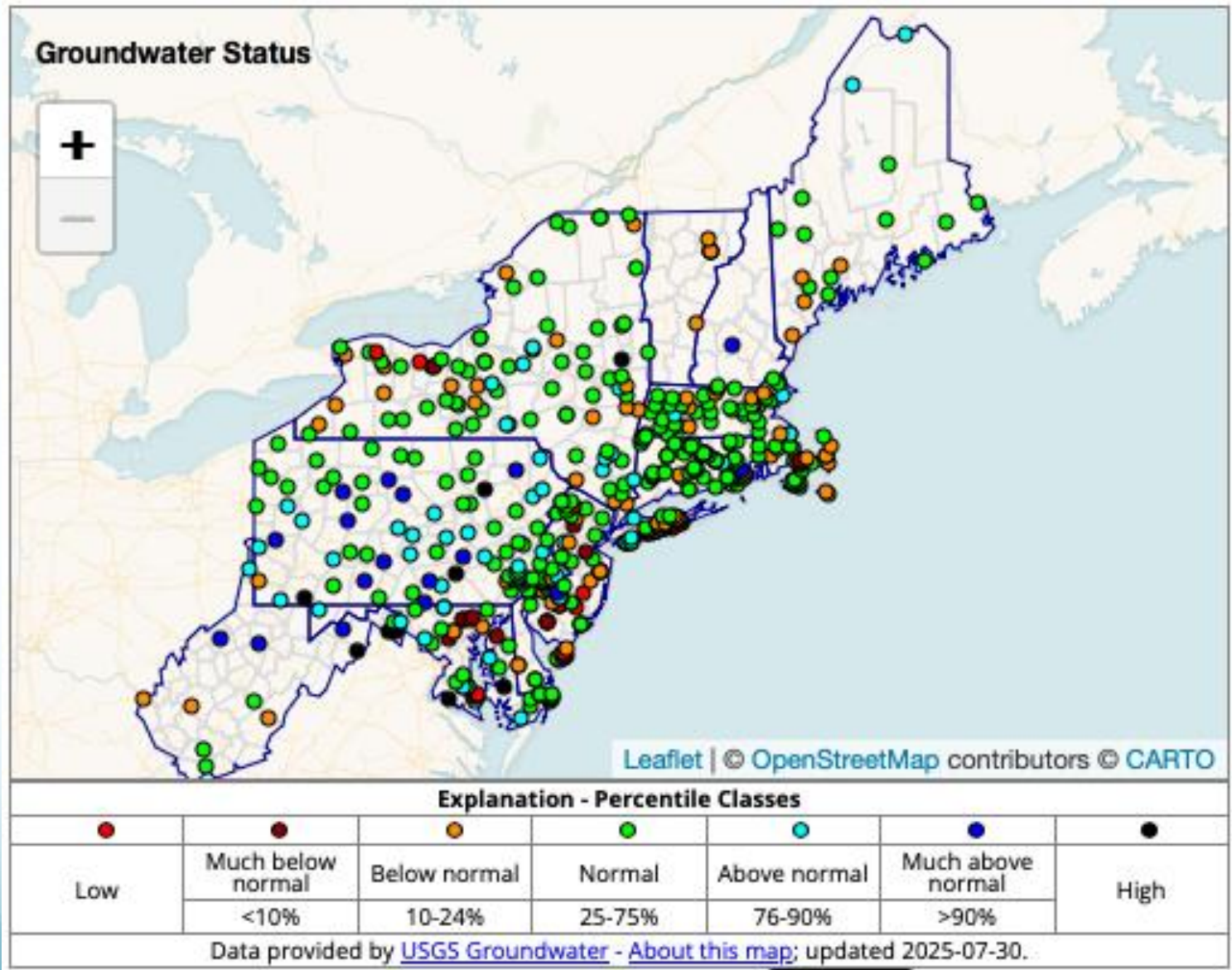
Explanation - Percentile Classes

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 2025-07-30.

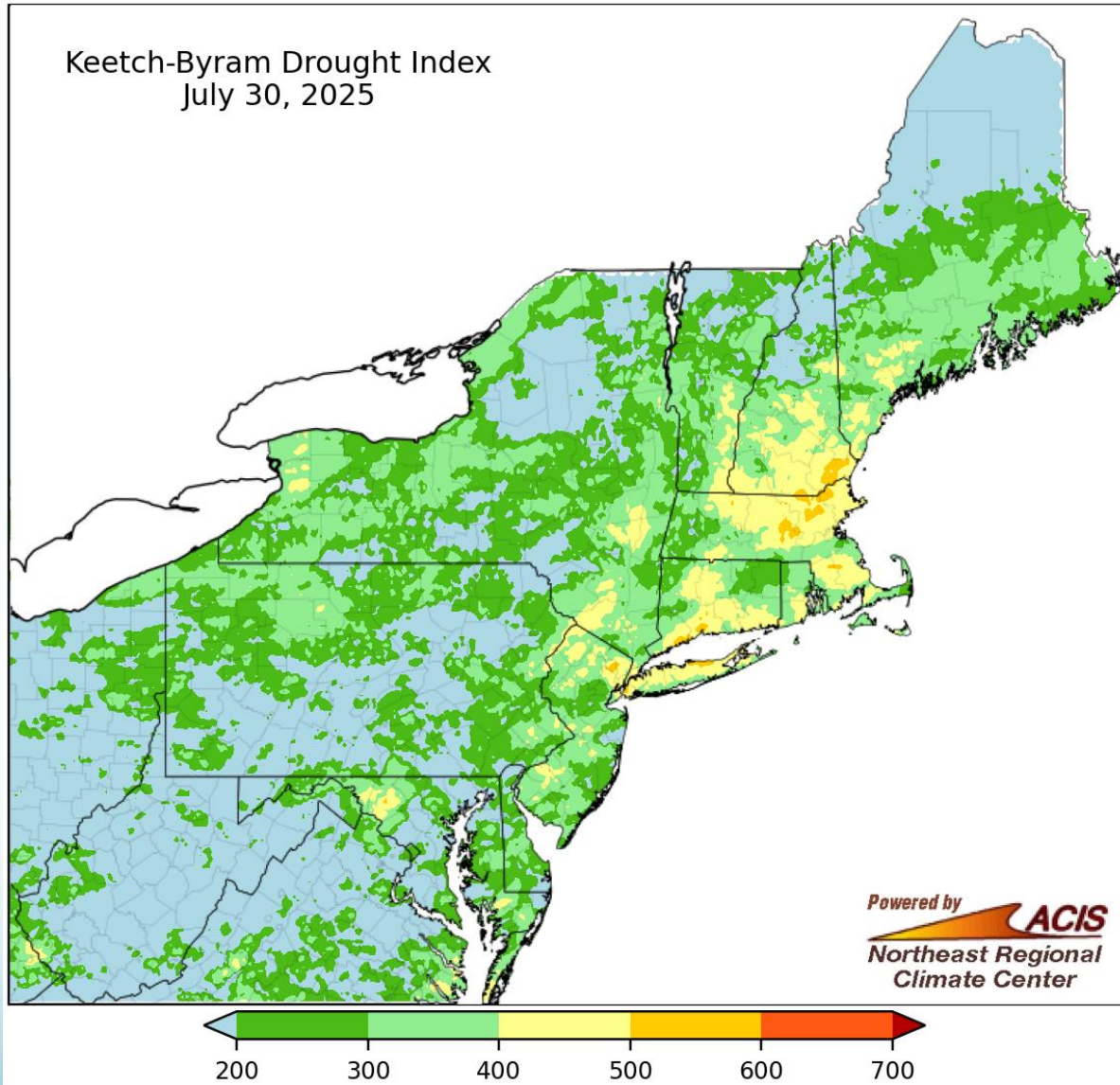


Groundwater

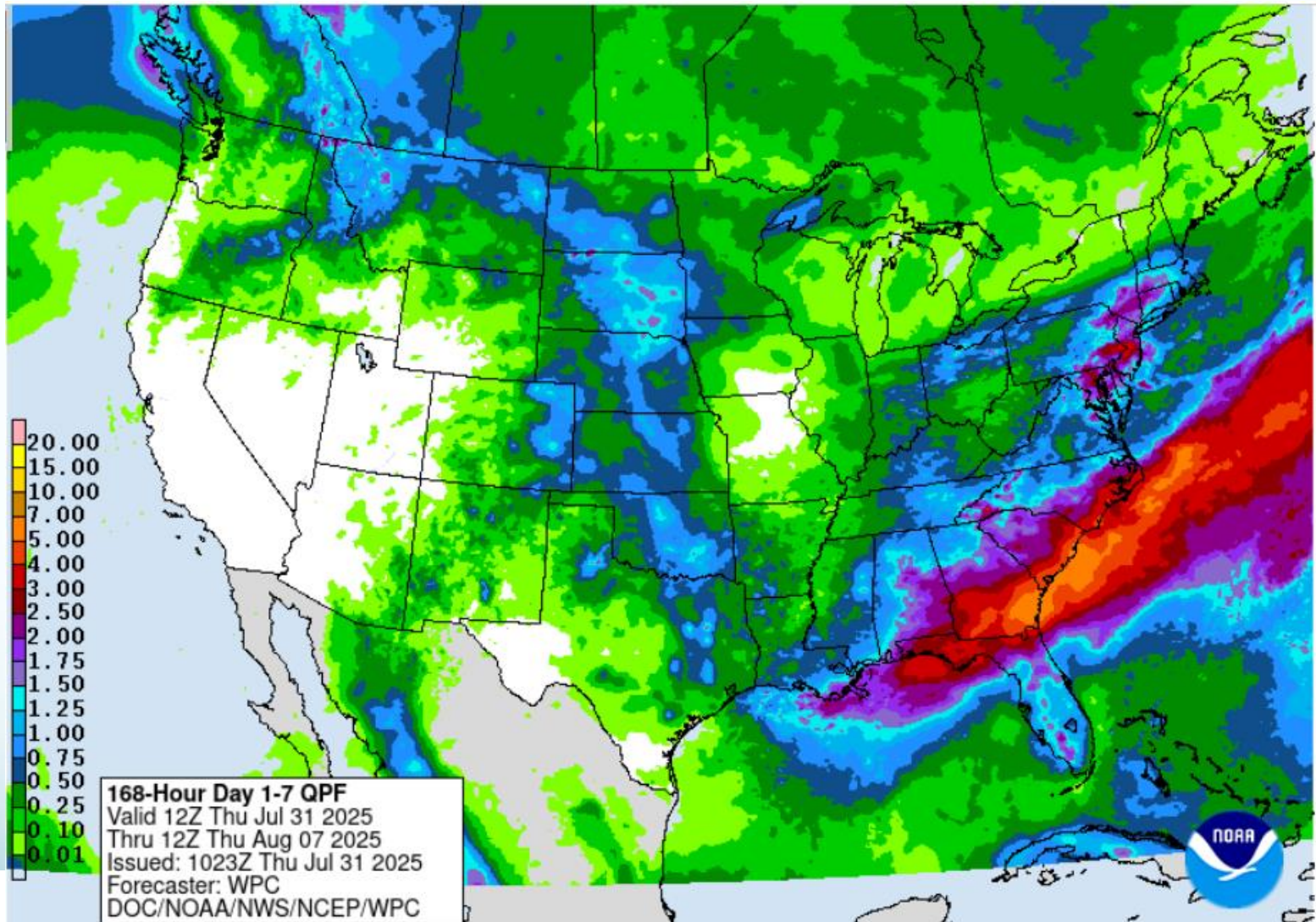


Wildfire Risk

Keetch-Byram Drought Index
July 30, 2025

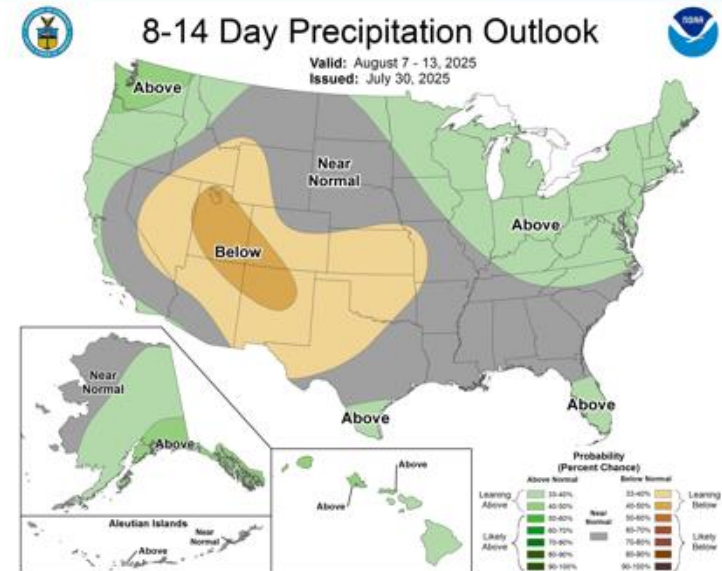
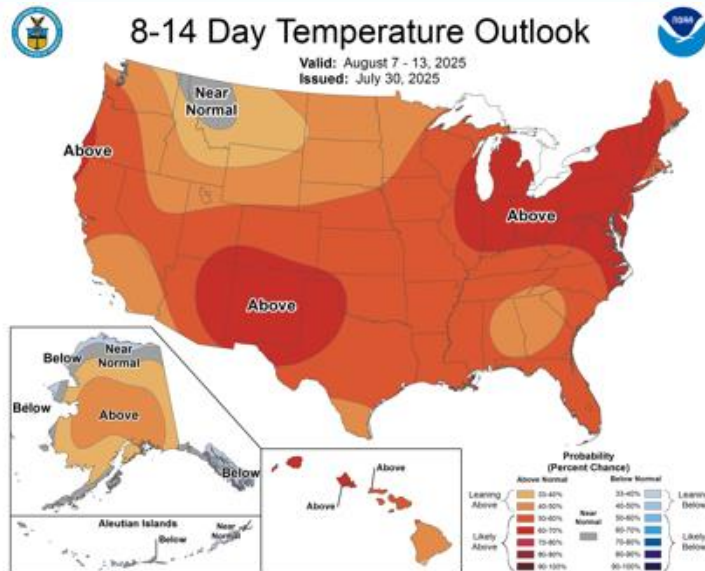
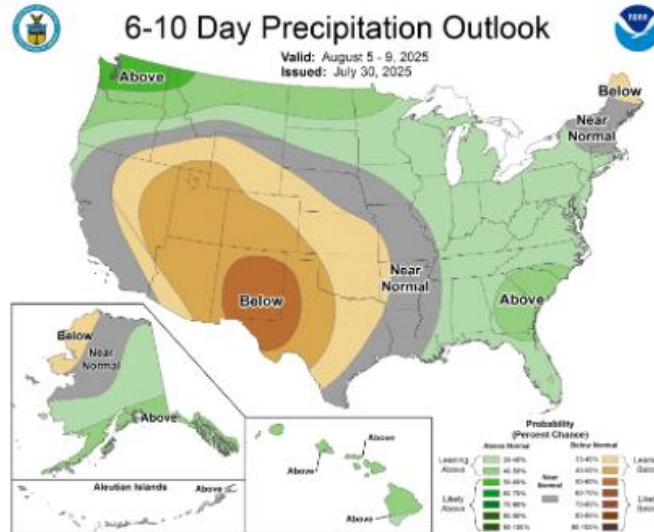
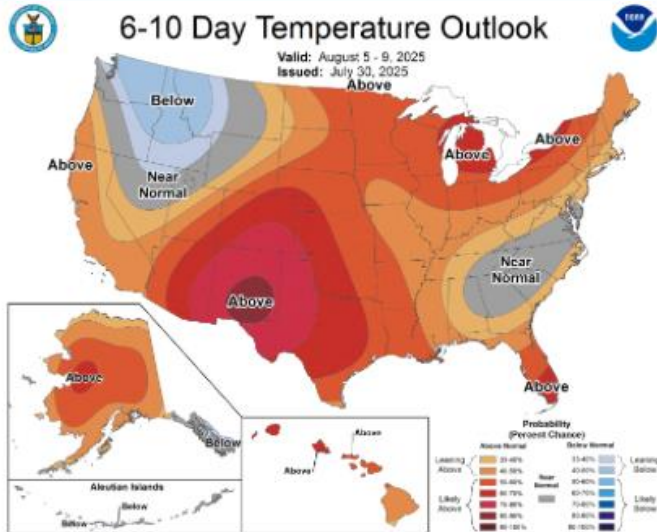


Precipitation Forecast

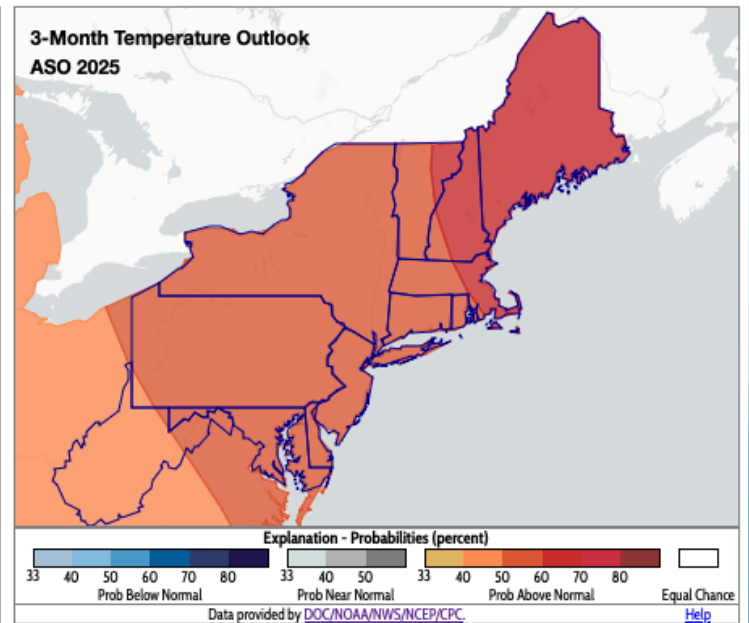
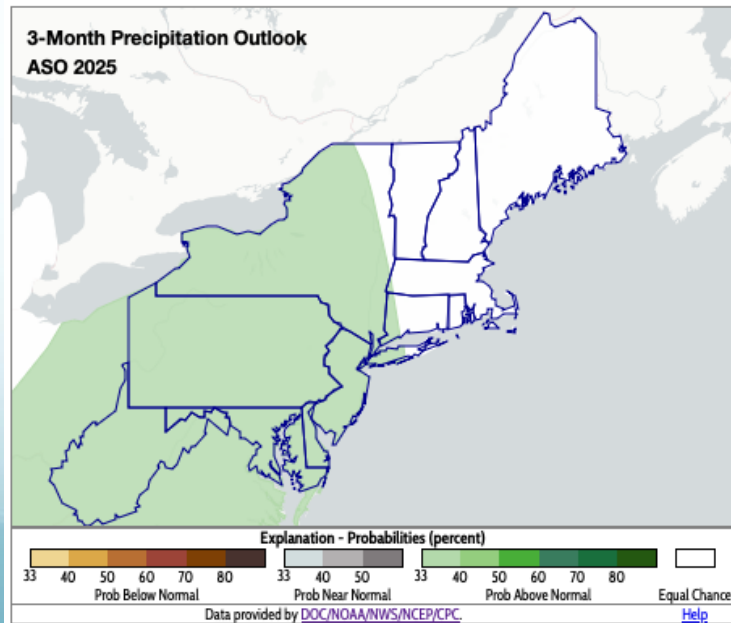
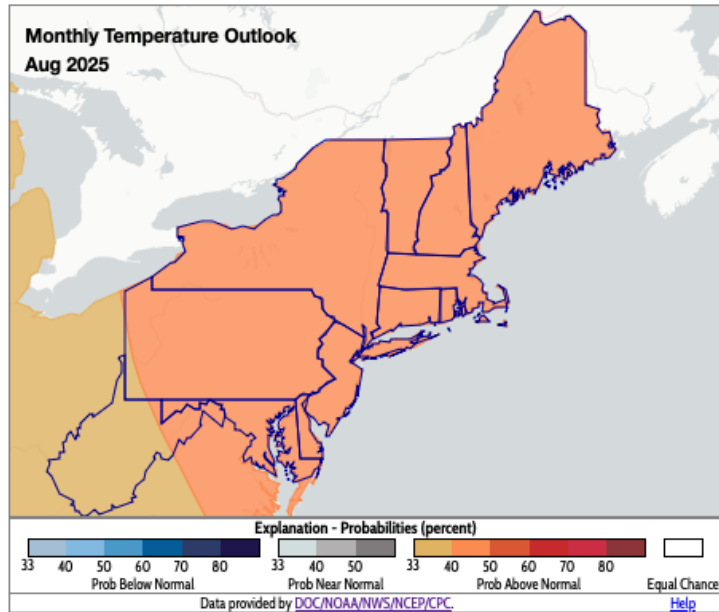
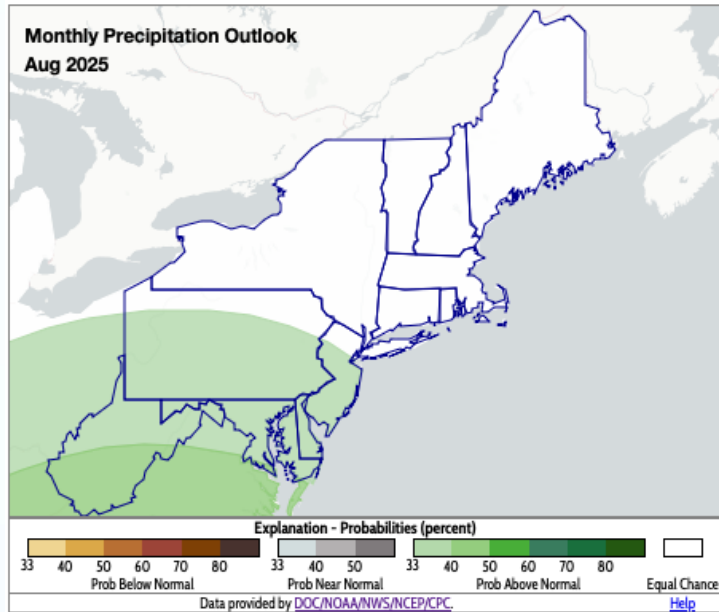


“Normal” precipitation for this period is about 0.70” to 1.4”

Short-term Outlooks



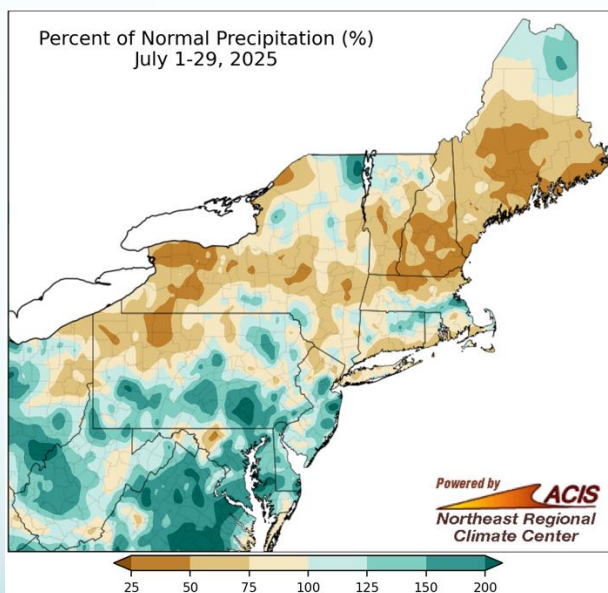
Monthly & 3-Month Outlooks



Summary

July-to-date conditions:

- Above-normal temperatures region-wide, including record warm night-time lows
- Northern parts of the region dryer, southern areas wetter
- Severe weather and flooding



Drought:

- Limited, but increased amounts with abnormal dryness
- Moderate drought on Cape Code, none elsewhere
- Watching areas of below-normal streamflow and groundwater

Outlooks:

- Short term: Near- or slightly above-normal precipitation and above-normal temperatures favored
- August and August-October: warmer than normal for the entire region; equal chances to wetter than normal, odds increasing southward



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, August 28 at 9:30am EDT
 - Atlantic Hurricane Season
- Tuesday, September 30 at 9:30am EDT
 - TBD
- Thursday, October 30 at 9:30am EDT
 - TBD



www.nrcc.cornell.edu