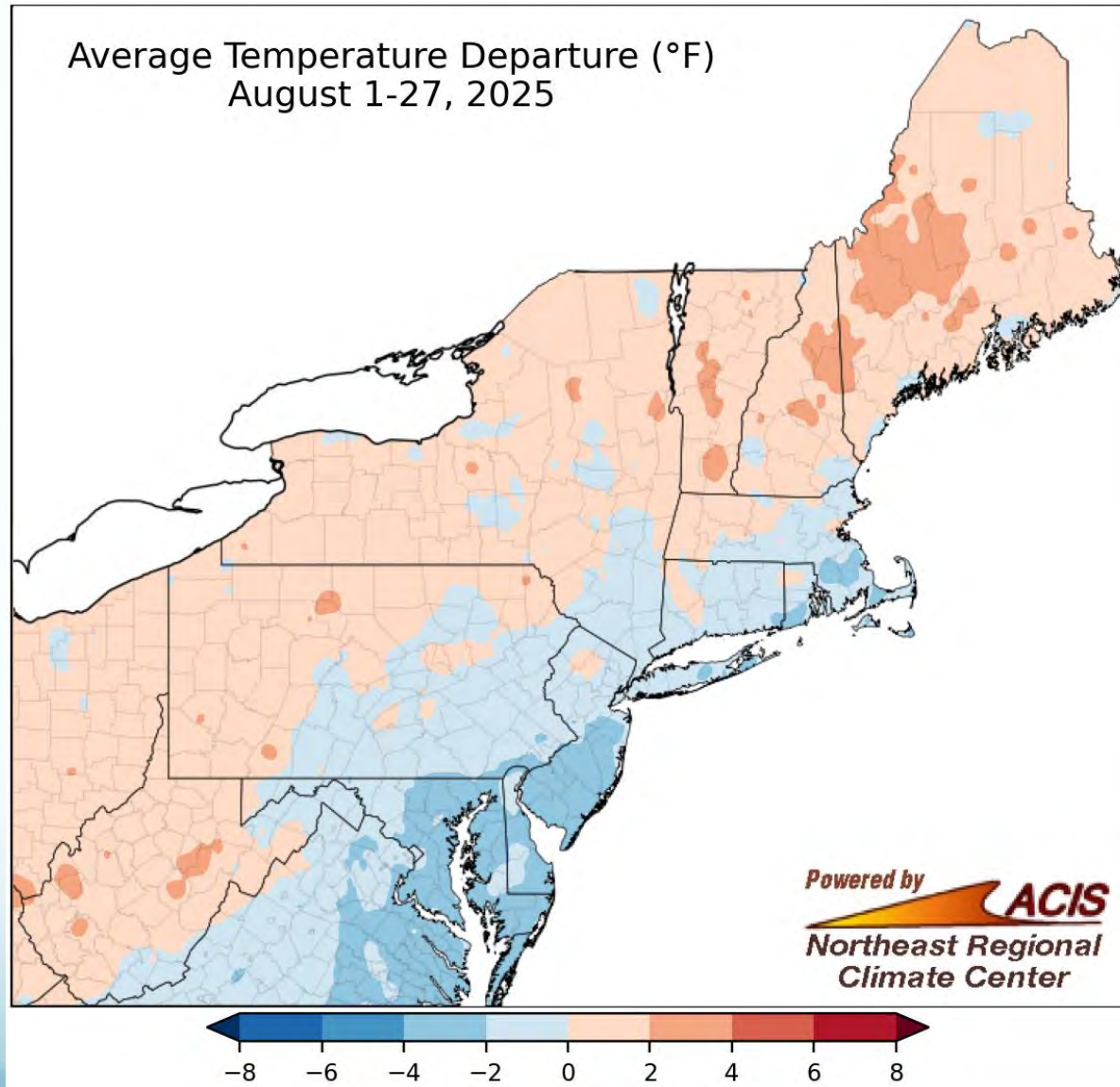


August Recap & Northeast DEWS Discussion

By: Jessica Spaccio, Climatologist
Northeast Regional Climate Center

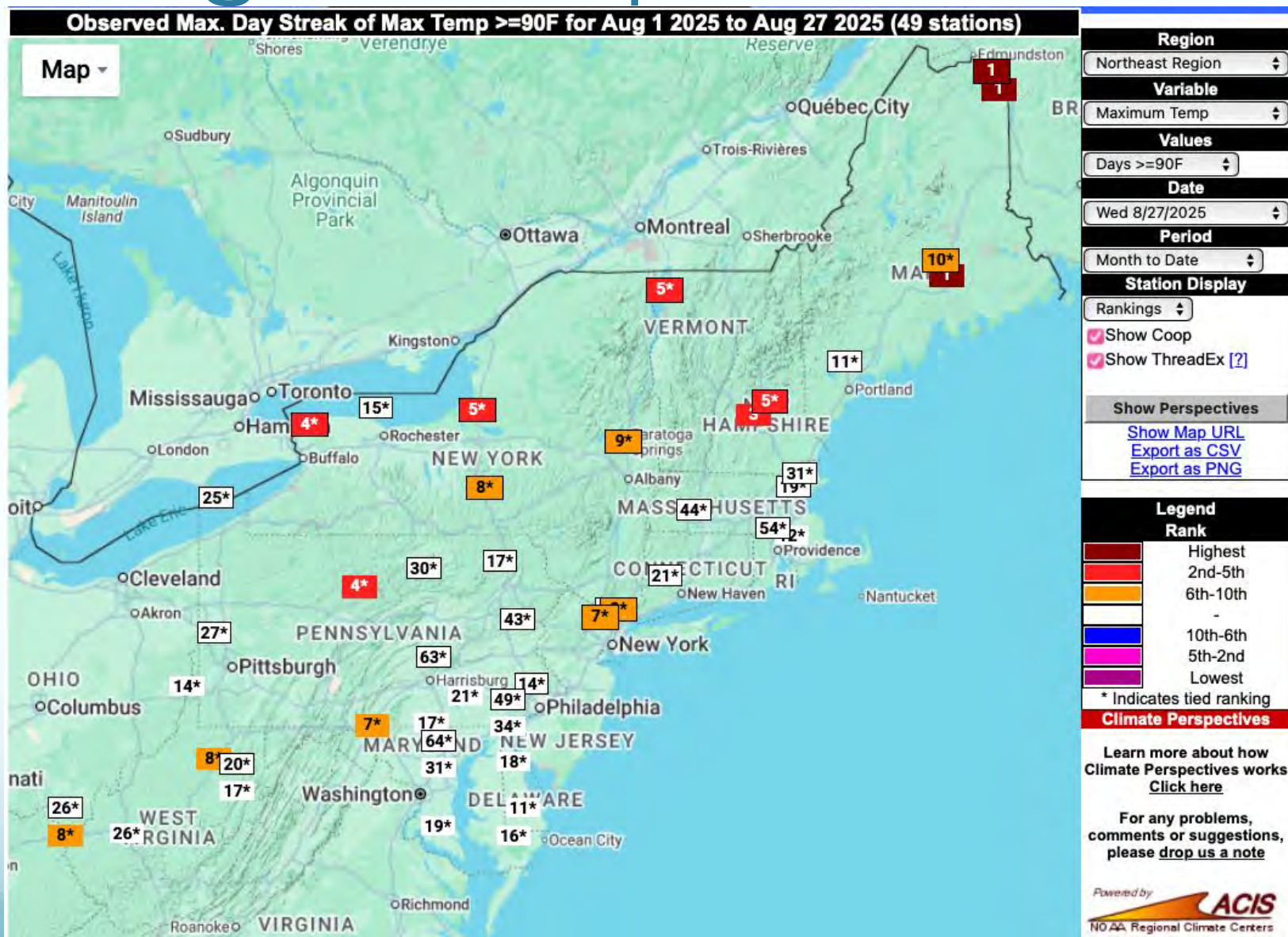


August Temperatures



Within 4°F of normal

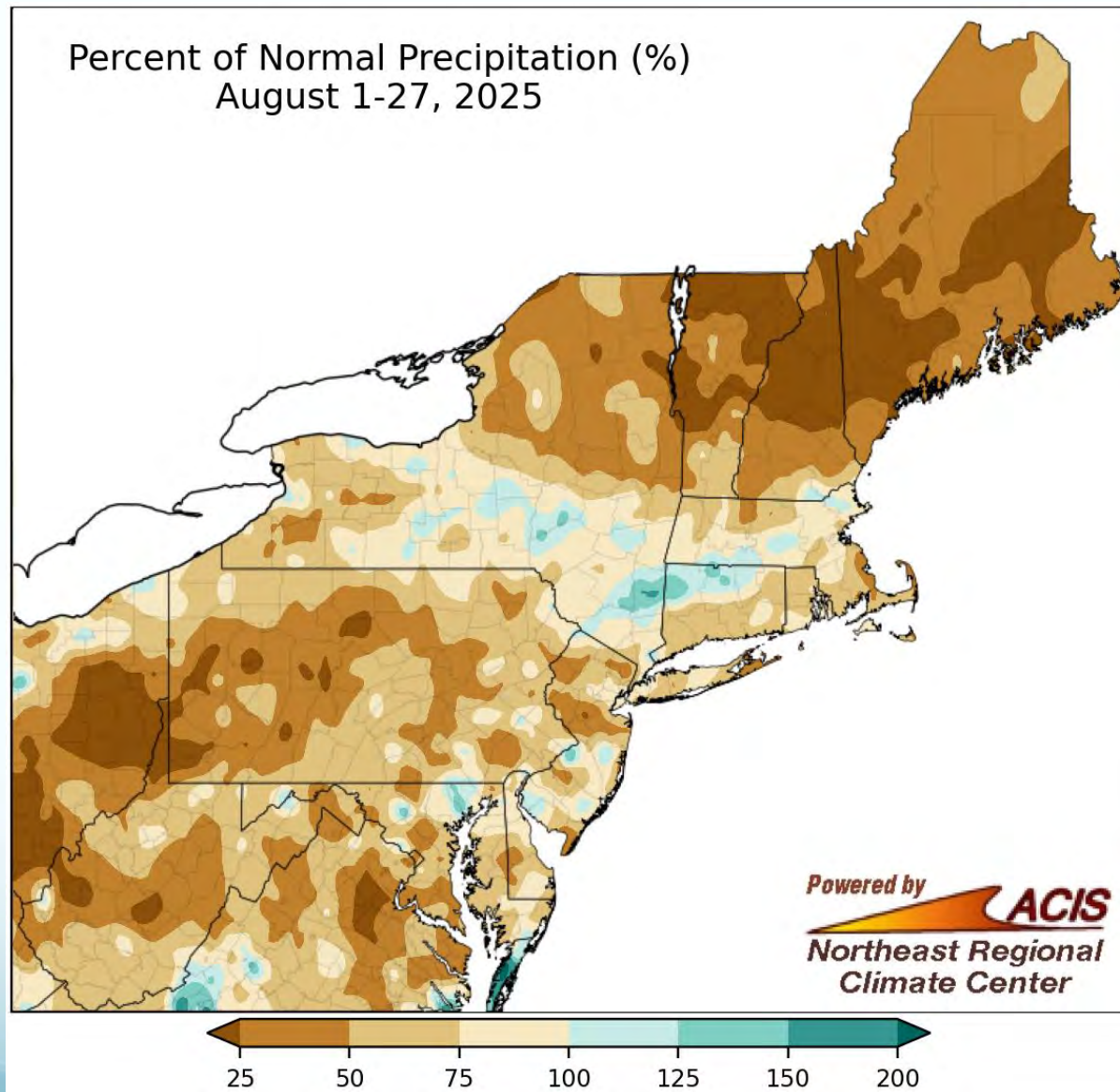
August Temperatures



Most consecutive days over 90°F for some areas in Maine

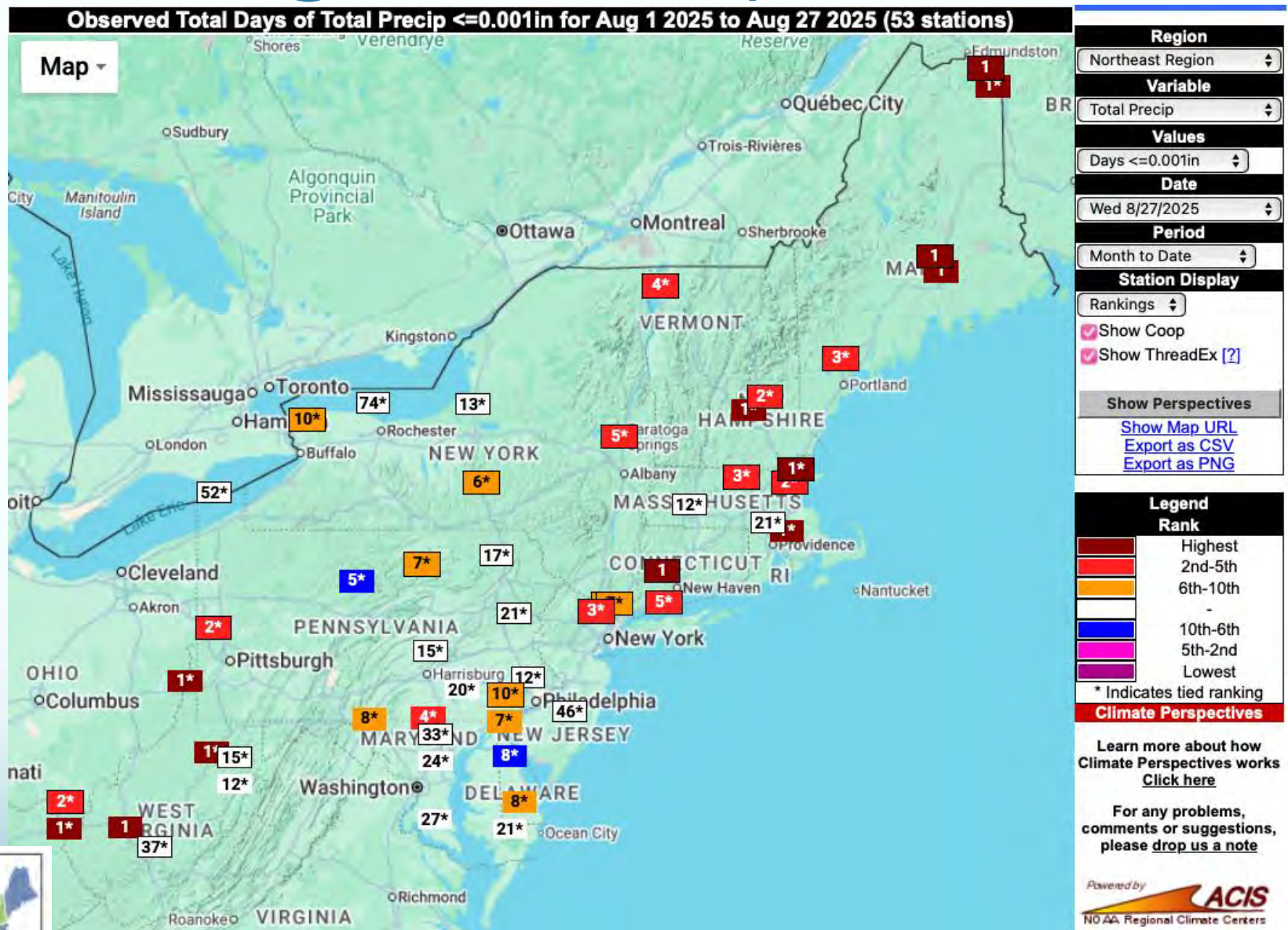


August Precipitation



From less than 25% of normal to over 150% of normal

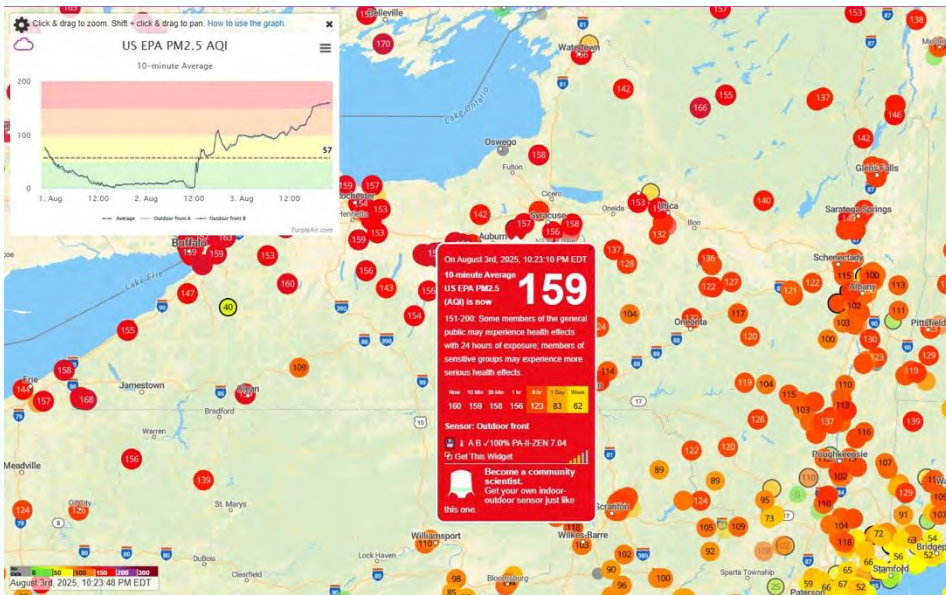
August Precipitation



Record number of days without measurable precipitation for multiple sites

August Events

Canadian wildfire smoke produced poor air quality across parts of the region



Credit: NWS

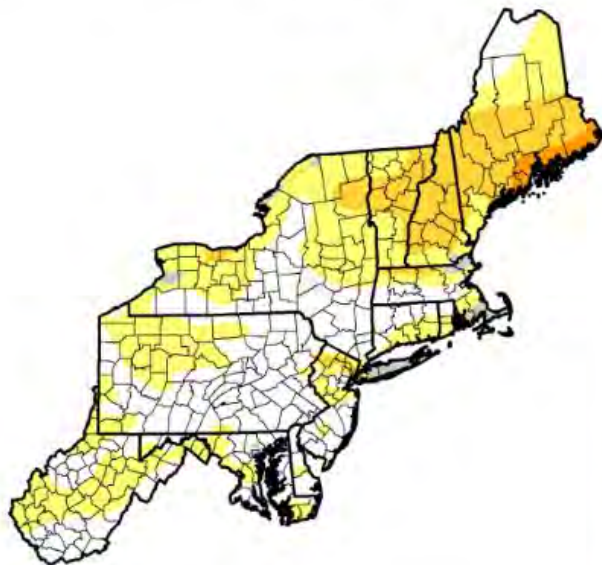
Drought impacts in the Northeast from August 10-19.



Credit: Gardner Bent & CMOR

Drought Monitor

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



August 26, 2025
compared to
July 29, 2025

droughtmonitor.unl.edu



U.S. Drought Monitor
Northeast

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



Intensity:



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:

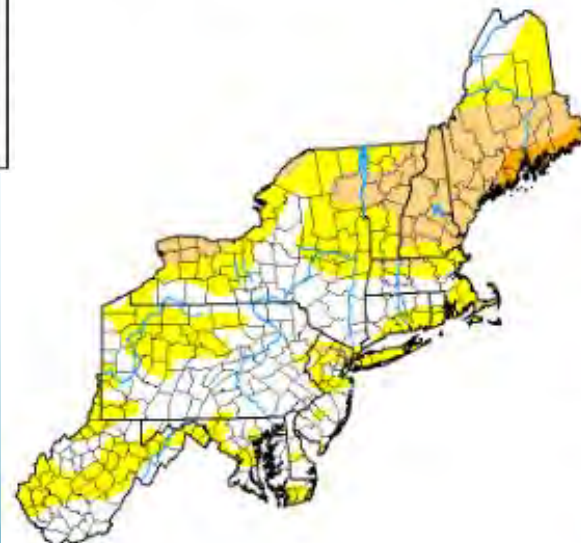
David Silliman
Western Regional Climate Center



droughtmonitor.unl.edu

U.S. Drought Monitor
Northeast

August 26, 2025
(Released Thursday, Aug. 28, 2025)
Valid 8 a.m. EDT



Intensity:



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>

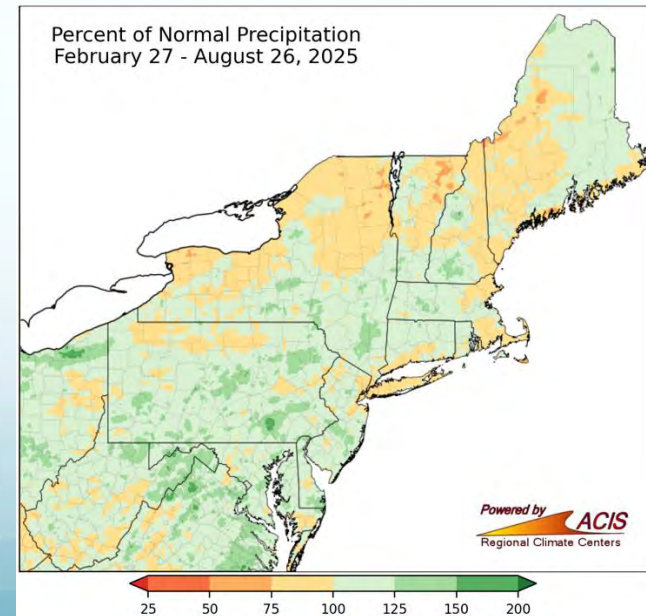
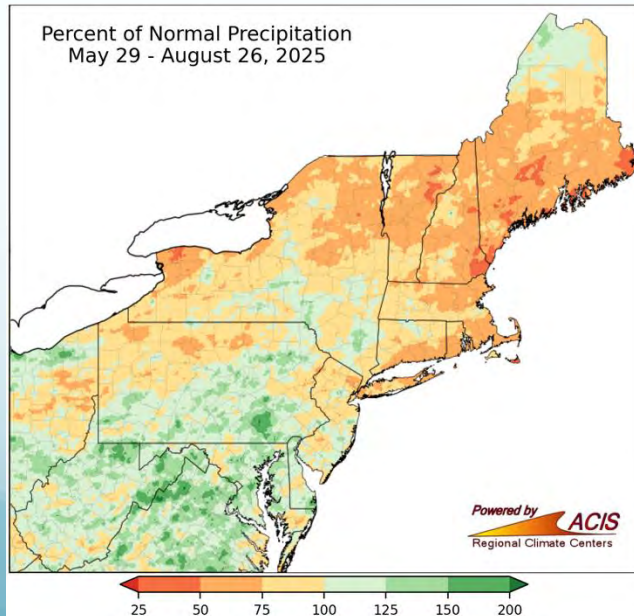
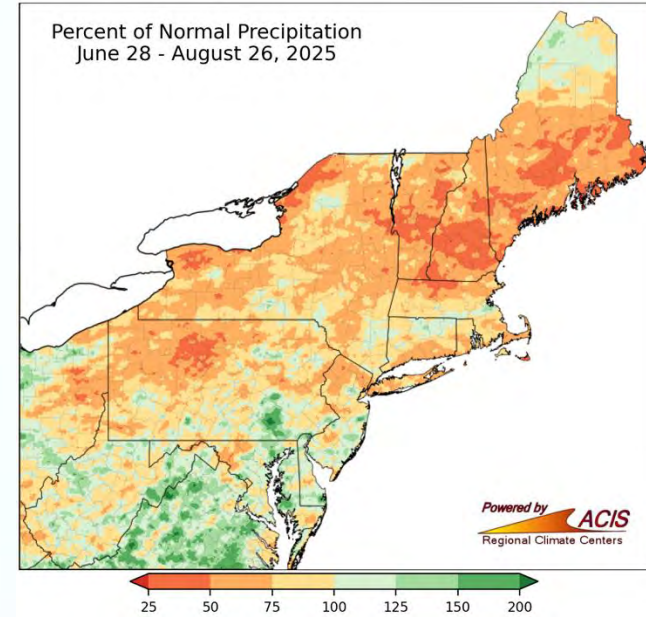
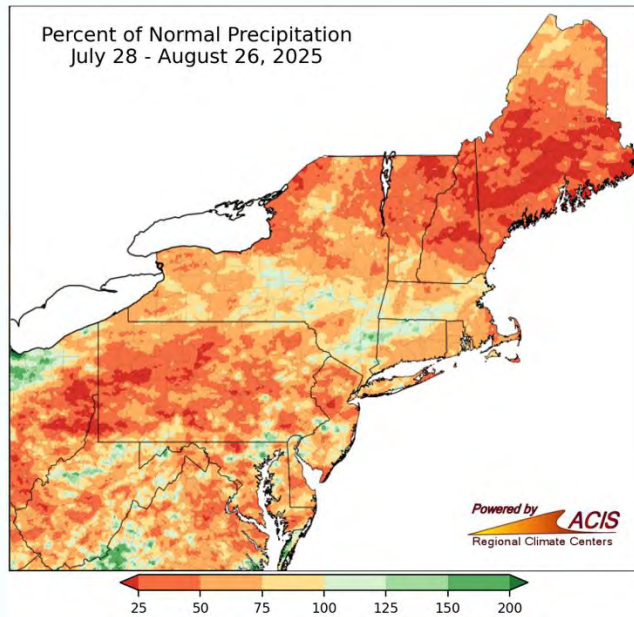
Author:

Brad Rippey
U.S. Department of Agriculture

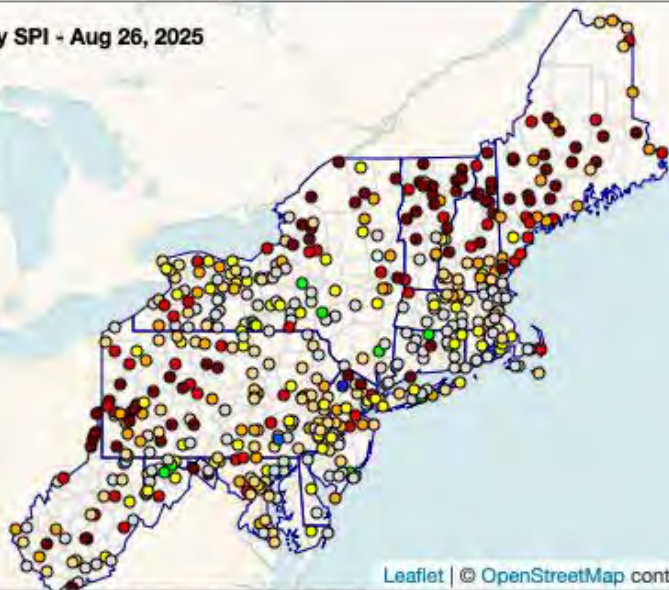


droughtmonitor.unl.edu

Precipitation



30-Day SPI - Aug 26, 2025



Leaflet | © OpenStreetMap contributors © CARTO

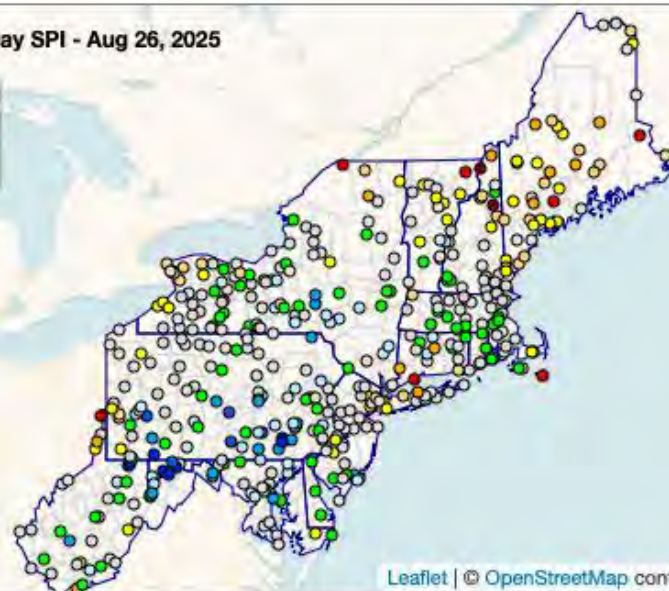
Explanation - SPI Levels

D4: <-2.0	D3: -2.0 to -1.6	D2: -1.6 to -1.3	D1: -1.3 to -0.8	D0: -0.8 to -0.5	-0.5 to 0.5	0.5 to 0.8	0.8 to 1.3	1.3 to 1.6	1.6 to 2.0	>2.0

Data provided by [Northeast Regional Climate Center](#). Powered by [ACIS](#).

Standardized Precipitation Index

120-Day SPI - Aug 26, 2025



Leaflet | © OpenStreetMap contributors © CARTO

Explanation - SPI Levels

D4: <-2.0	D3: -2.0 to -1.6	D2: -1.6 to -1.3	D1: -1.3 to -0.8	D0: -0.8 to -0.5	-0.5 to 0.5	0.5 to 0.8	0.8 to 1.3	1.3 to 1.6	1.6 to 2.0	>2.0

Data provided by [Northeast Regional Climate Center](#). Powered by [ACIS](#).

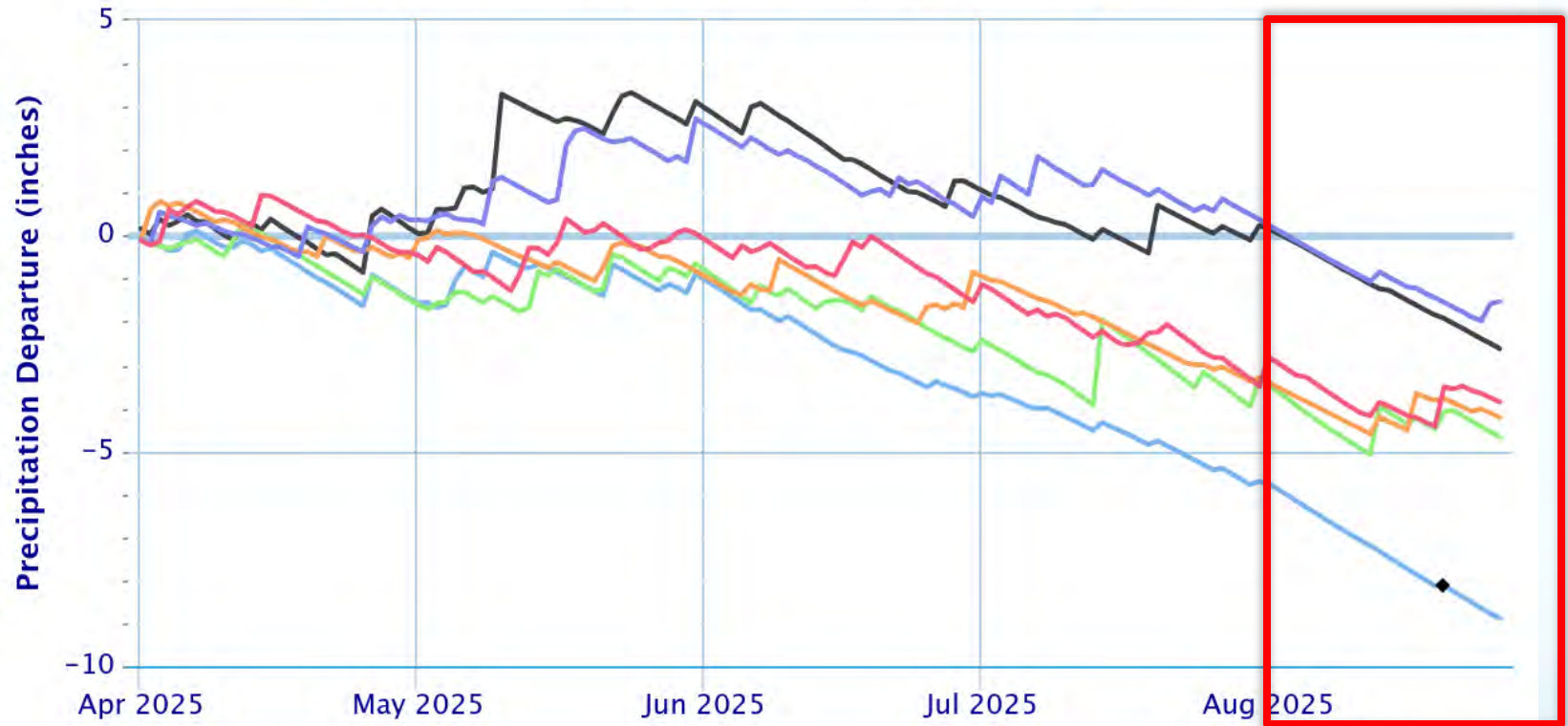
NRCC



Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



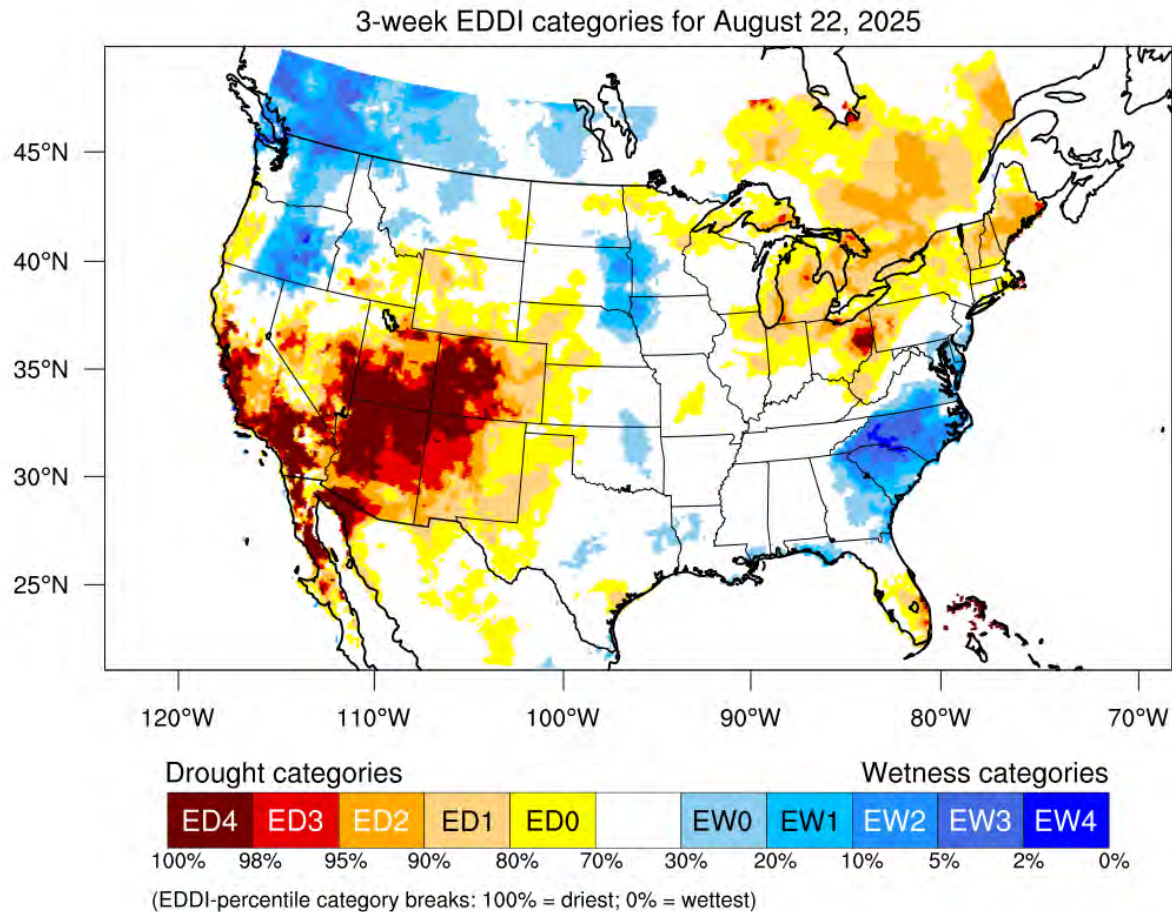
(Click to hide/show lines)

Bridgeport Area, CT (ThreadEx):Precip Dprt
Newark Area, NJ (ThreadEx):Precip Dprt
Burlington Area, VT (ThreadEx):Precip Dprt
Portland Area, ME (ThreadEx):Precip Dprt
Buffalo Area, NY (ThreadEx):Precip Dprt
Beckley Area, WV (ThreadEx):Precip Dprt



Powered by ACIS

Evap. Demand Drought Index

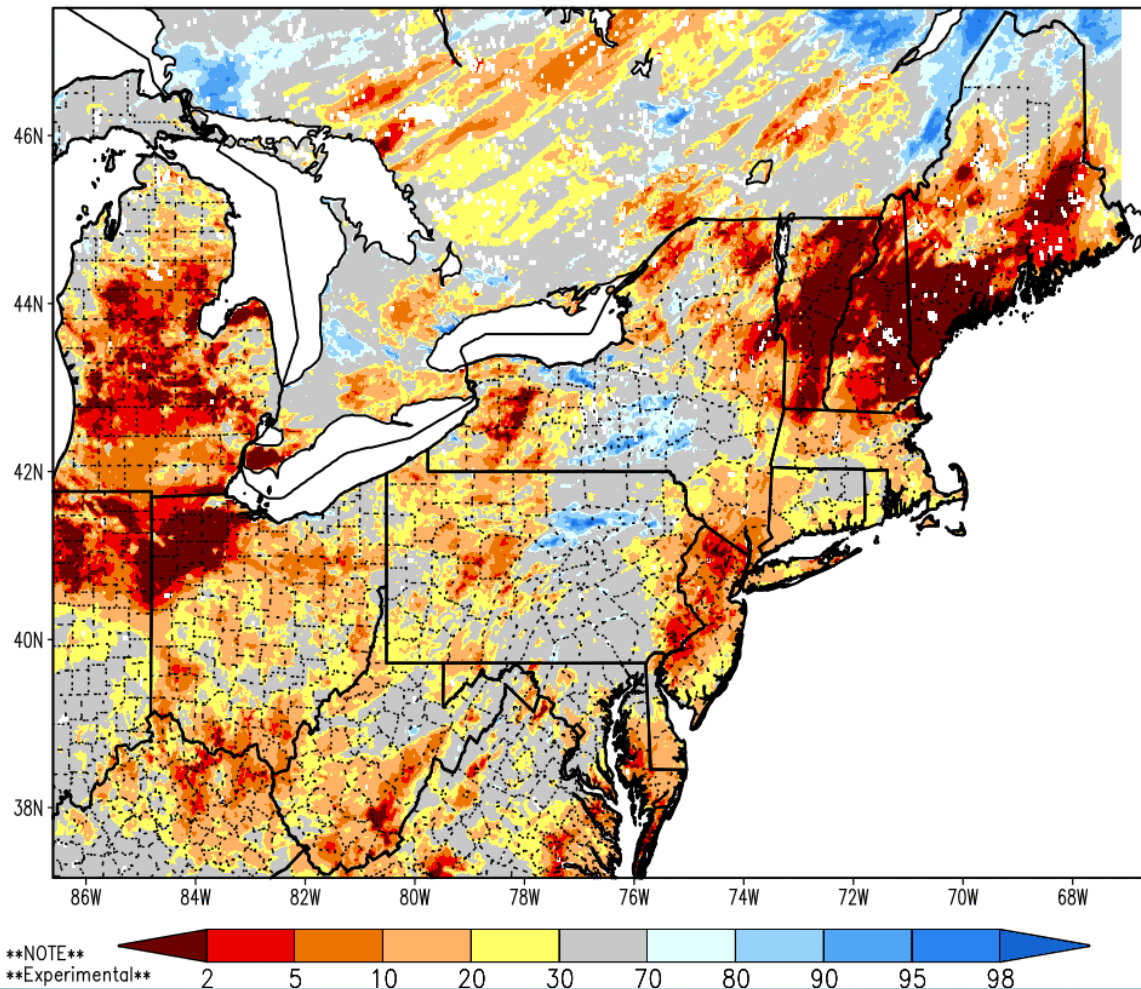


Generated by NOAA/ESRL/Physical Sciences Laboratory



Soil Moisture

SPoRT-LIS 0-10 cm Soil Moisture percentile valid 27 Aug 2025



Streamflow

7-Day Streamflow



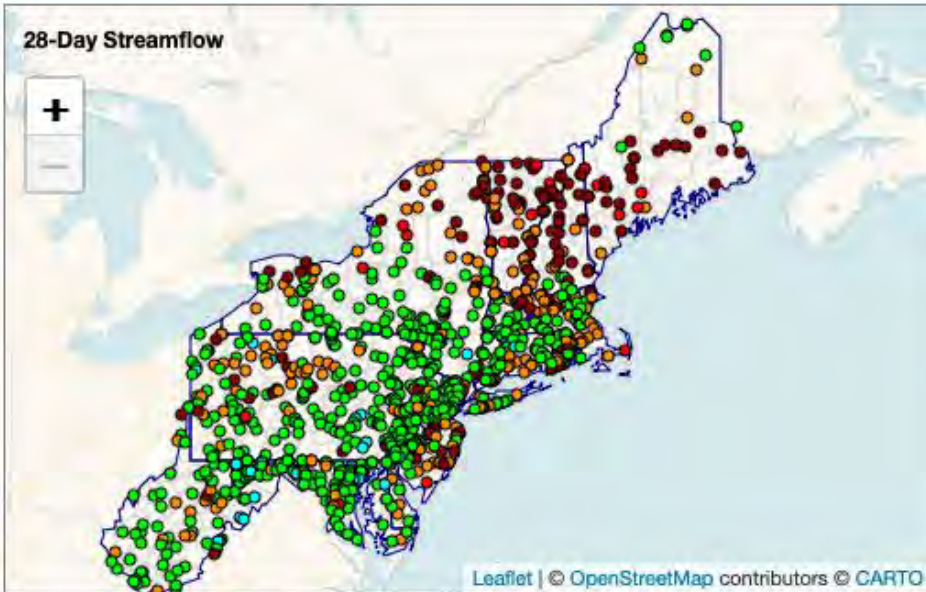
Leaflet | © OpenStreetMap contributors © CARTO

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 2025-08-27.

28-Day Streamflow



Leaflet | © OpenStreetMap contributors © CARTO

Explanation - Percentile Classes

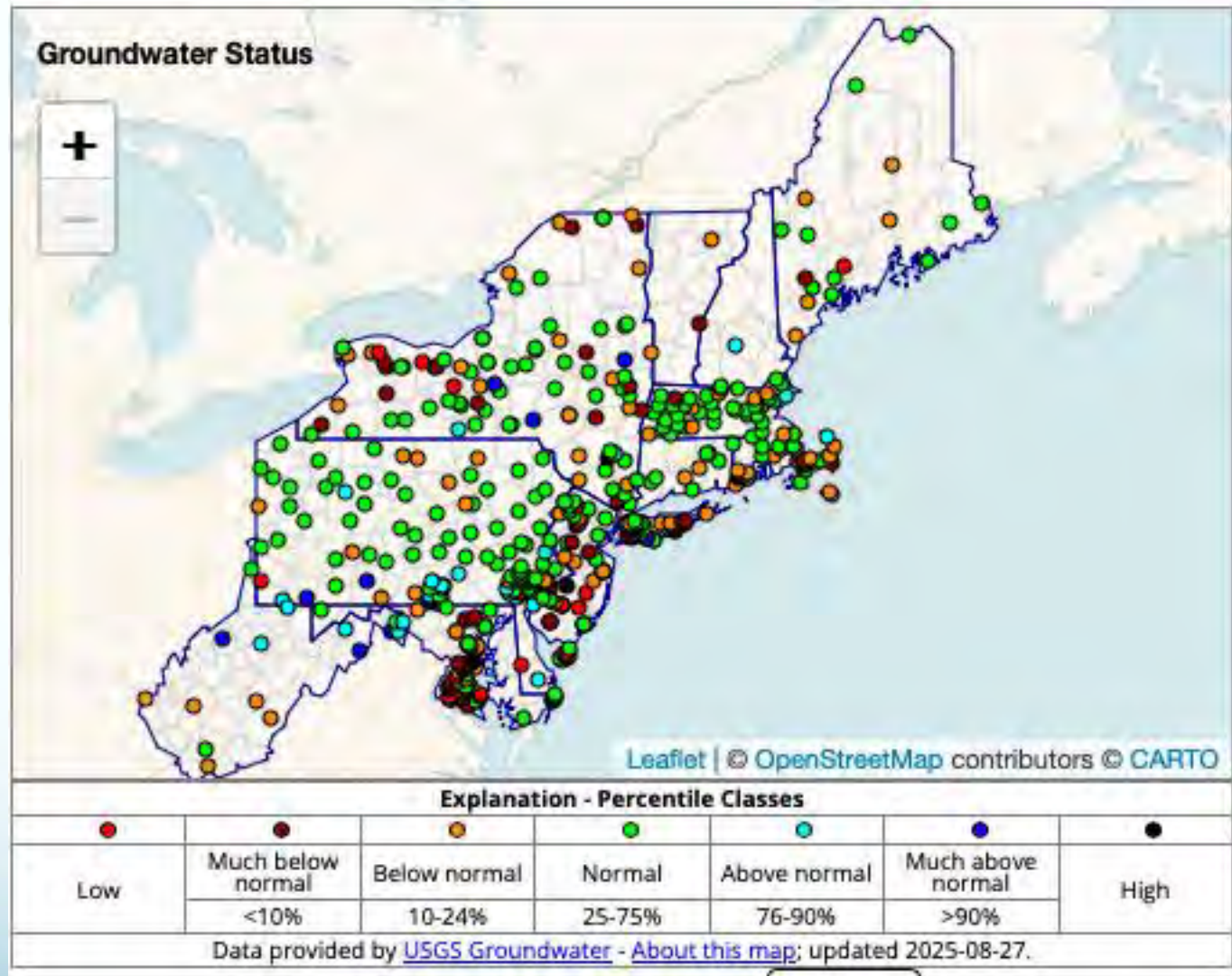
Low	Much below normal	Below normal	Normal	Above normal	Much above normal		High
	<10%	10-24%	25-75%	76-90%	>90%		

Data provided by [USGS WaterWatch - Streamflow](#); updated 2025-08-27.

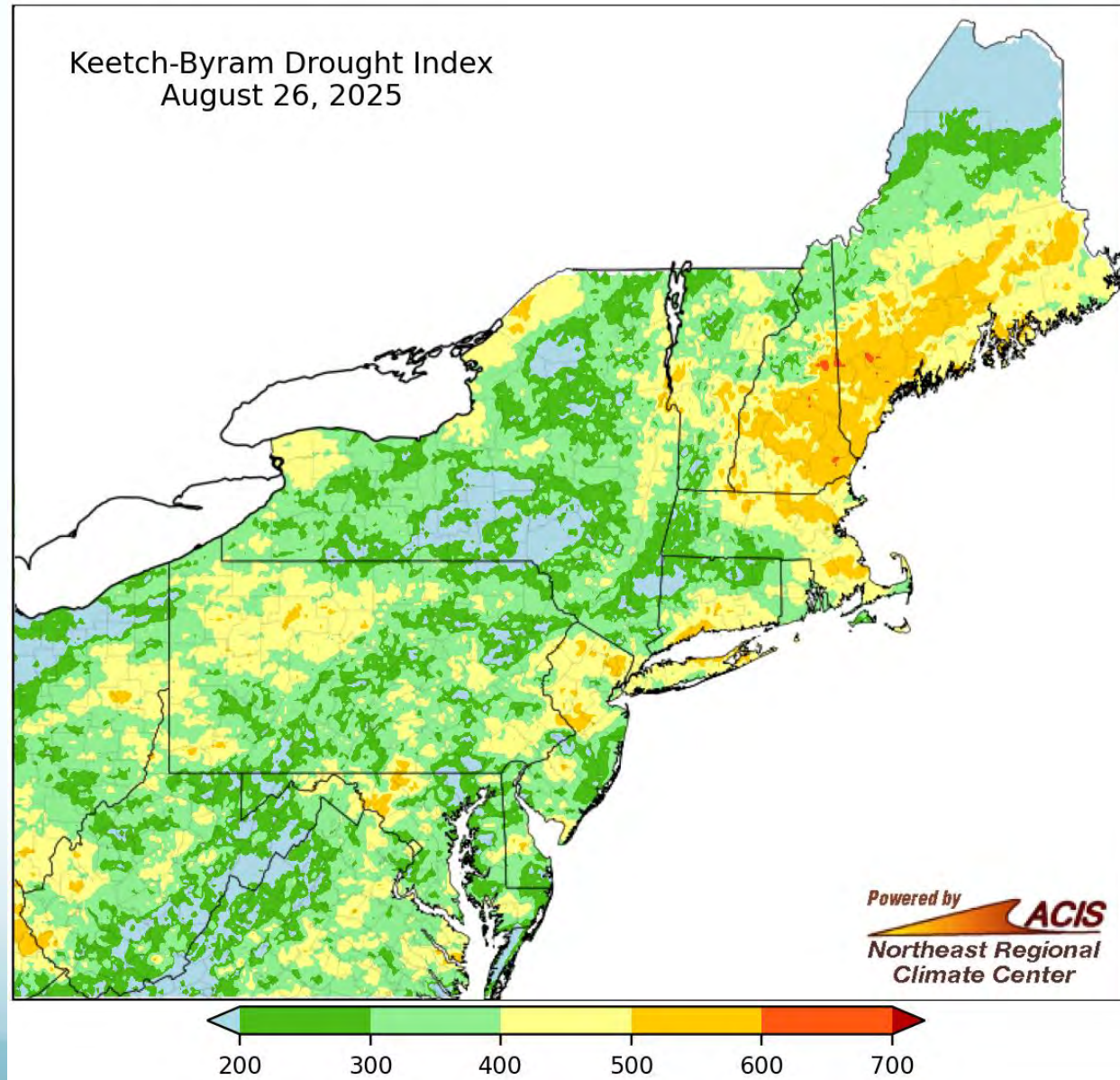
NRCC



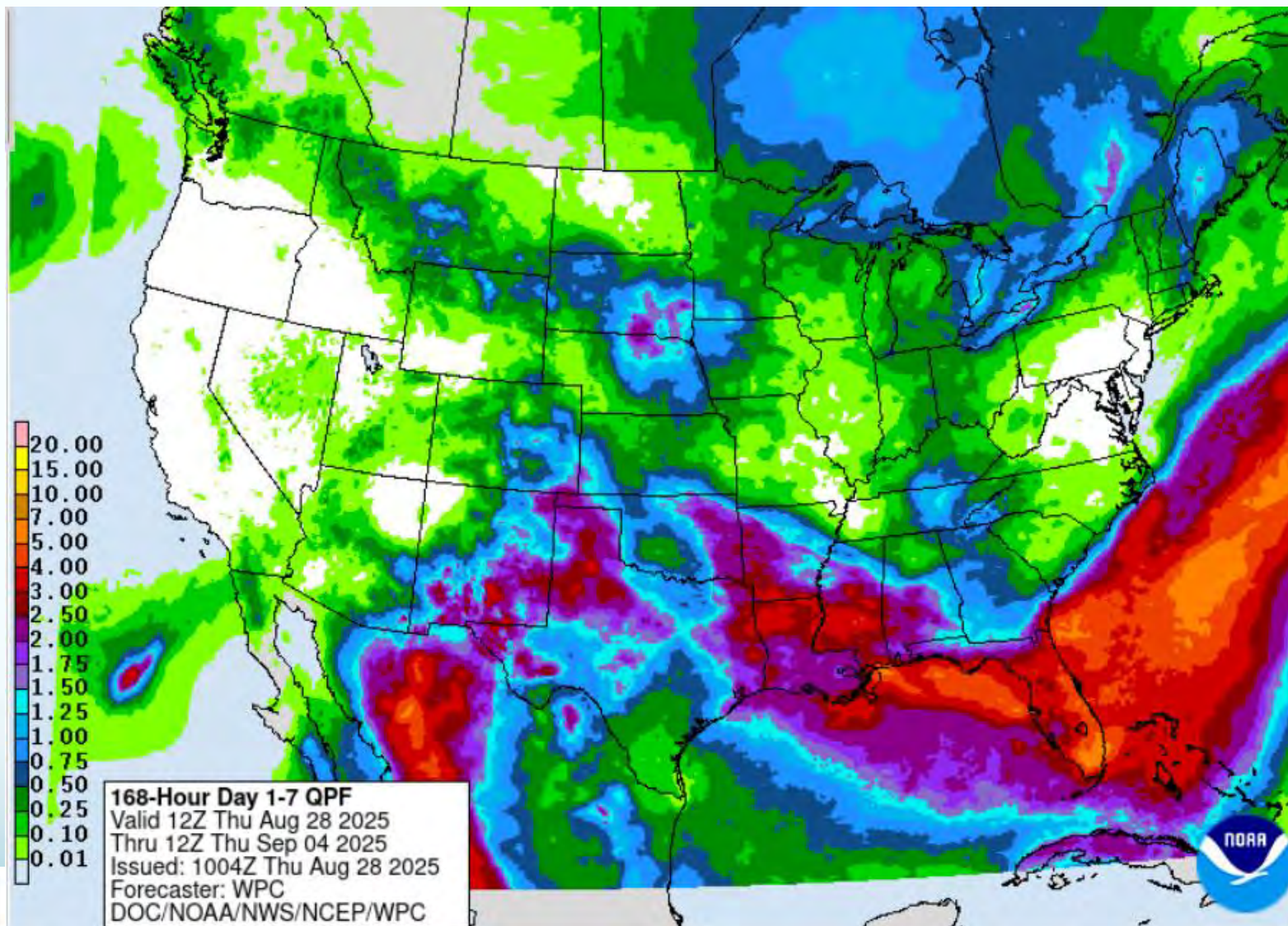
Groundwater



Wildfire Risk



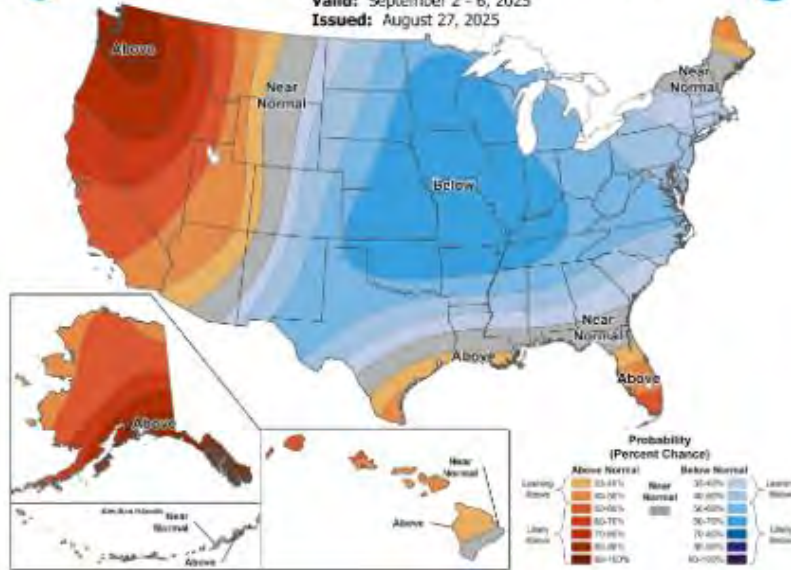
Precipitation Forecast



Short-term Outlooks

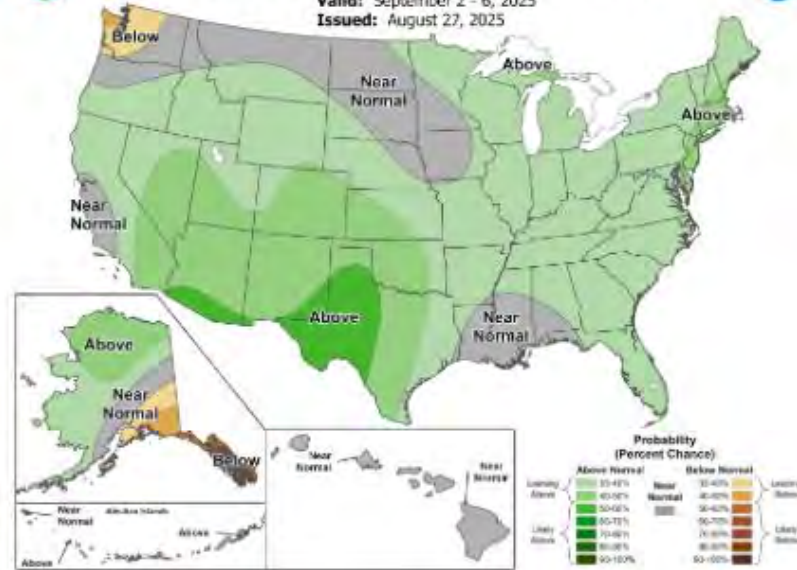
6-10 Day Temperature Outlook

Valid: September 2 - 6, 2025
Issued: August 27, 2025



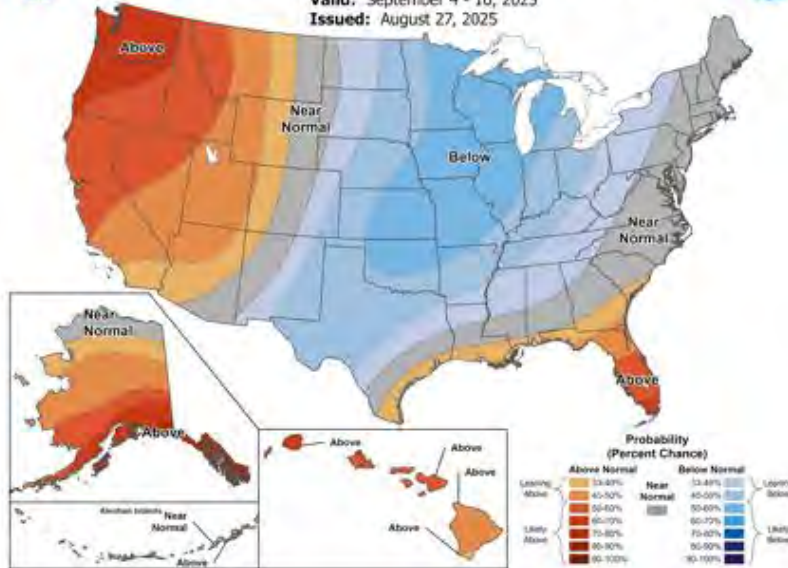
6-10 Day Precipitation Outlook

Valid: September 2 - 6, 2025
Issued: August 27, 2025



8-14 Day Temperature Outlook

Valid: September 4 - 10, 2025
Issued: August 27, 2025



8-14 Day Precipitation Outlook

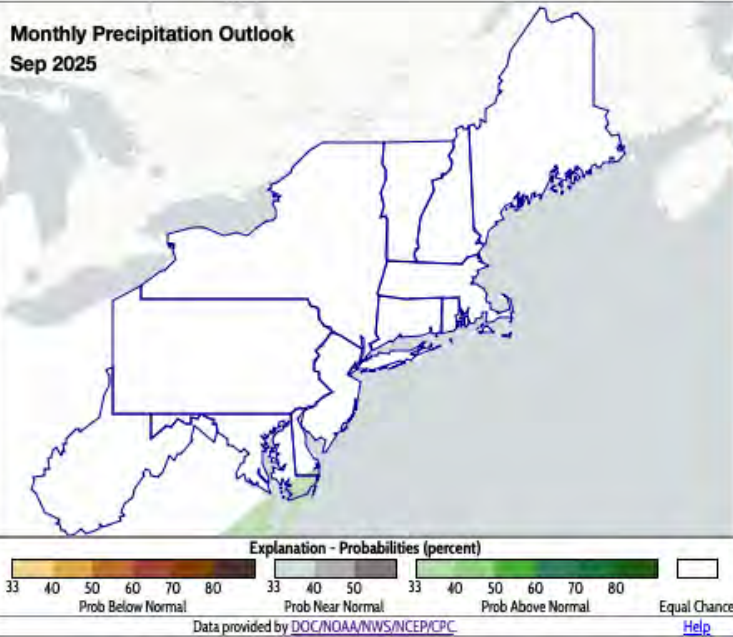
Valid: September 4 - 10, 2025
Issued: August 27, 2025



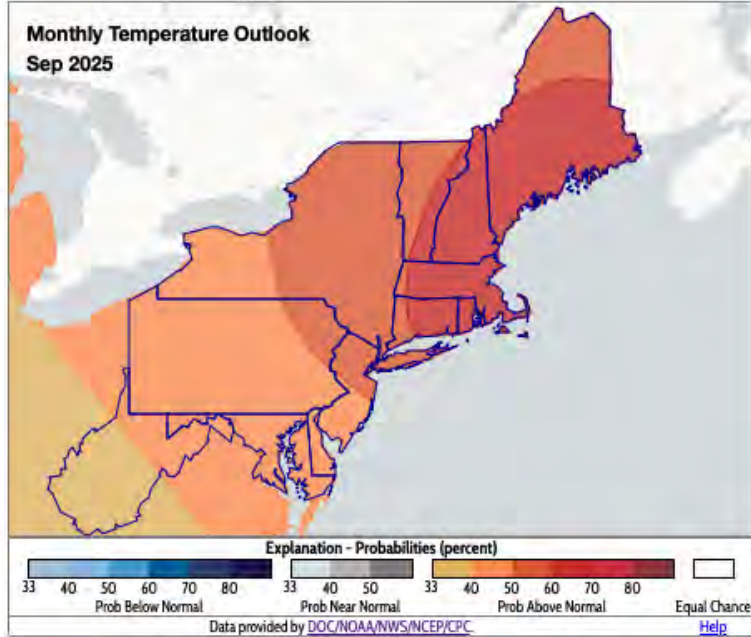
NRCC

Monthly & 3-Month Outlooks

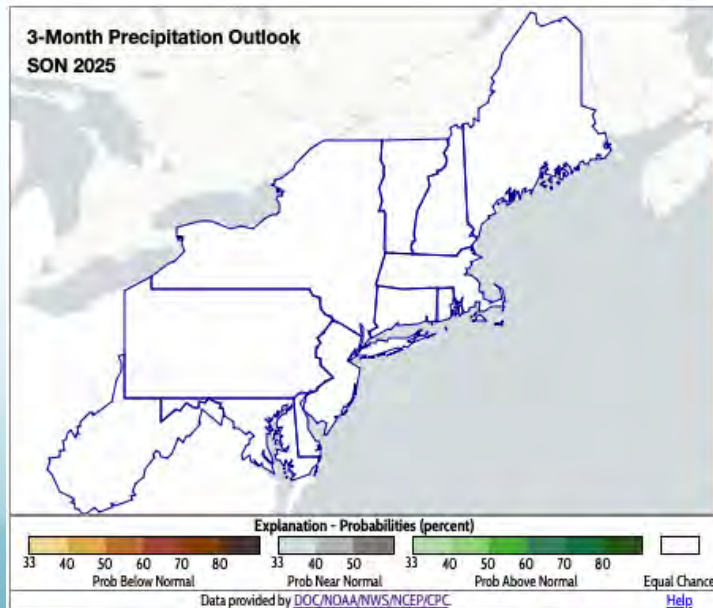
Monthly Precipitation Outlook
Sep 2025



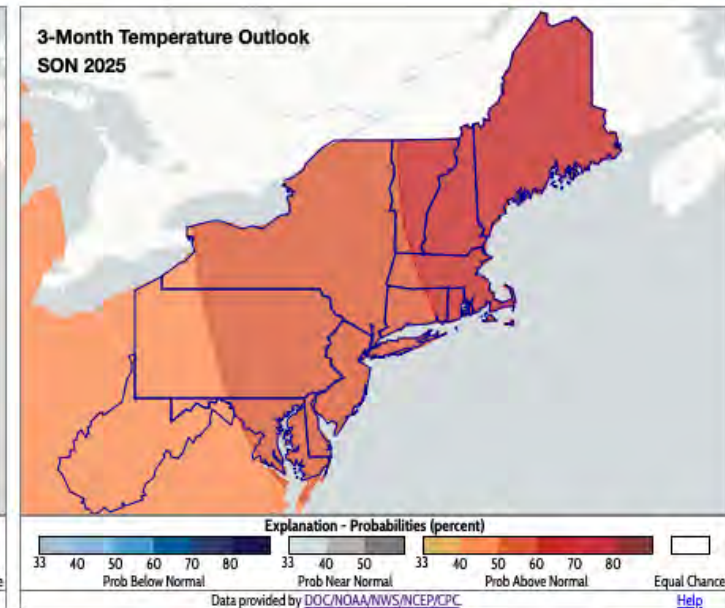
Monthly Temperature Outlook
Sep 2025



3-Month Precipitation Outlook
SON 2025



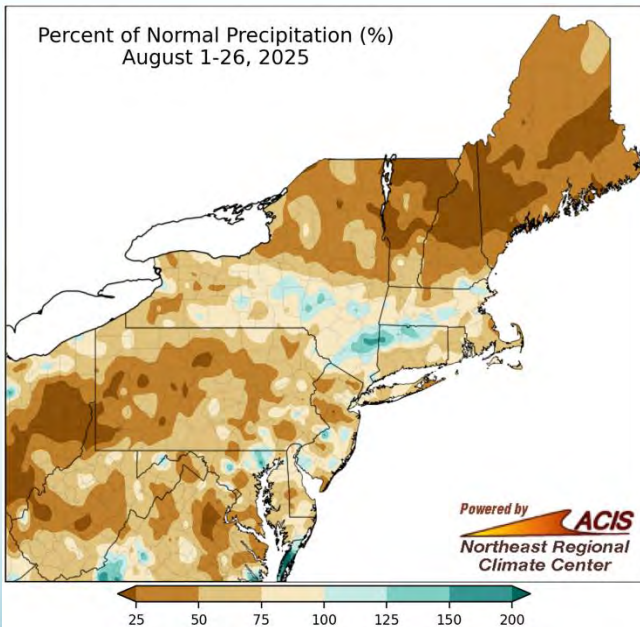
3-Month Temperature Outlook
SON 2025



Summary

August-to-date conditions:

- Temperatures were mostly within a couple degrees of normal with early month heat in some areas
- Most of the region was dryer than normal with some isolated wet spots. Several locations had record or near-record number of days with out measurable precipitation.
- Wildfire smoke and drought.



Drought:

- Rapidly expanding dry and drought conditions over the past month
- Severe drought in Maine
- Moderate drought in New England, New York, and New Jersey
- Abnormally dry conditions in every state

Outlooks:

- Short term: Near- to above-normal precipitation and near to below-normal temperatures favored
- September and September-November: warmer than normal for the entire region; equal chances of precipitation probabilities for the entire region



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Tuesday, September 30 at 9:30am EDT
 - TBD
- Thursday, October 30 at 9:30am EDT
 - TBD
- Thursday, November 20 at 9:30am EDT
 - ENSO Update & Winter Outlook



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