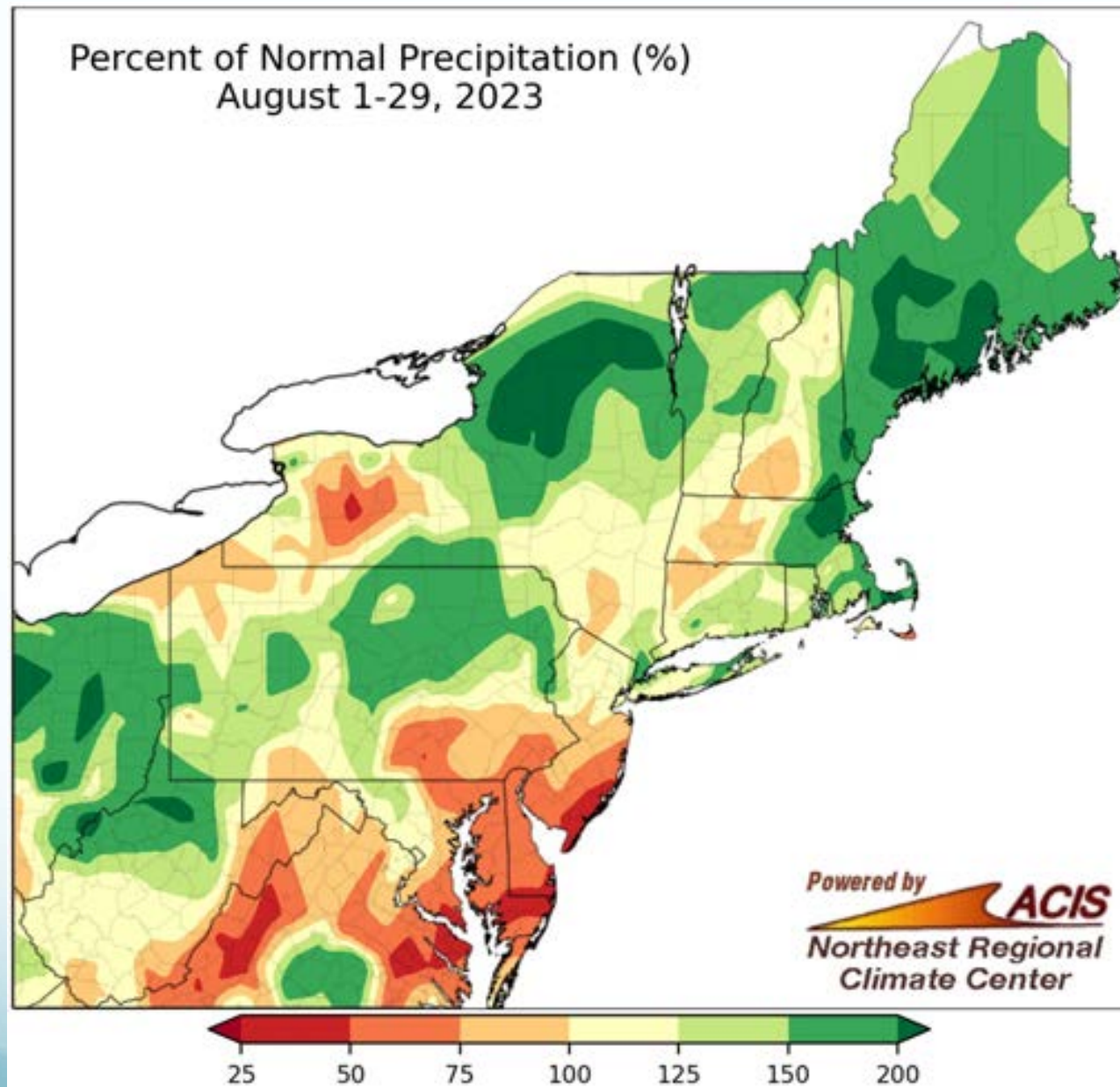


August Review & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center

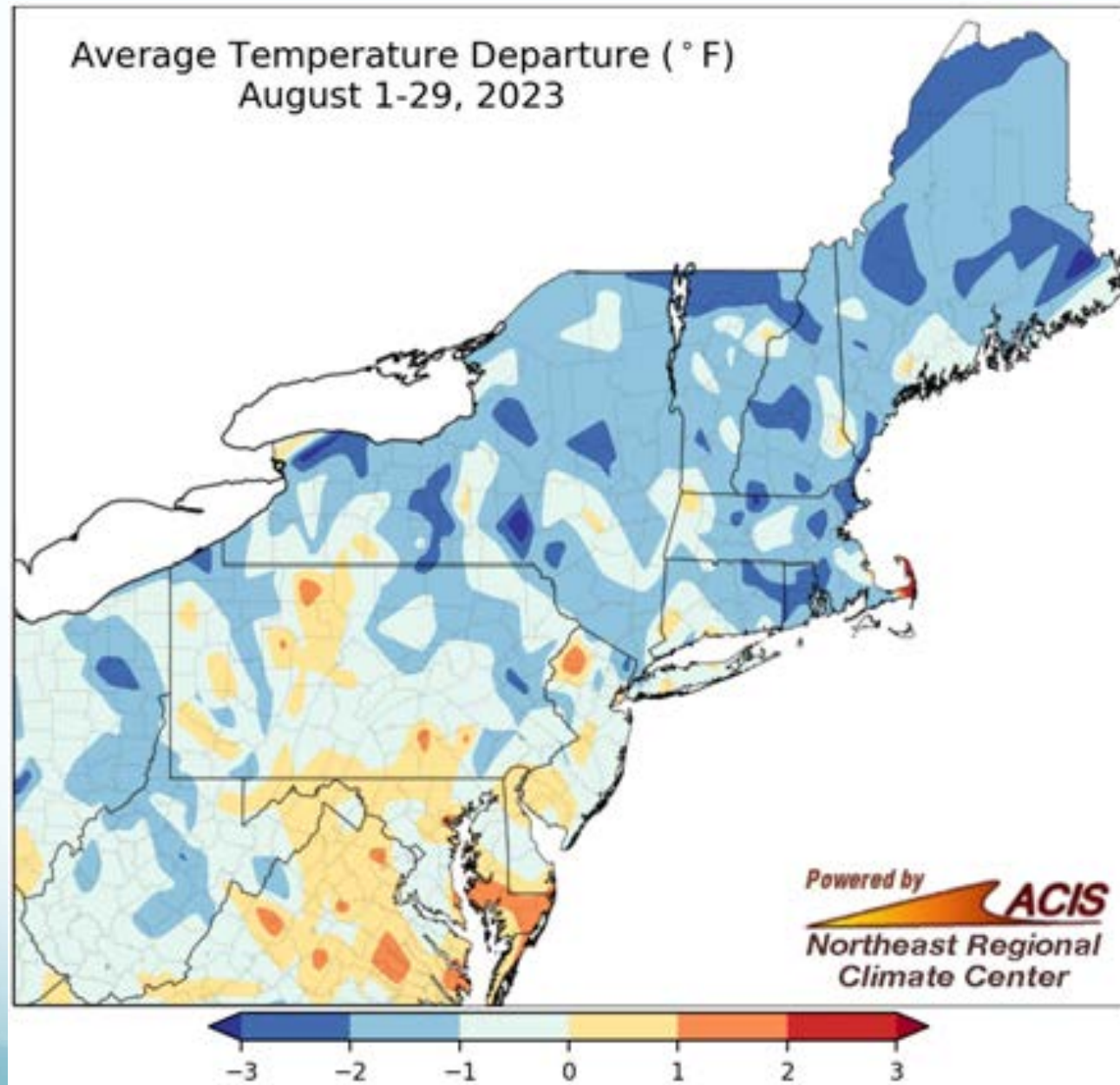


August Precipitation



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

August Temperatures



From 3°F below normal to 2°F above normal

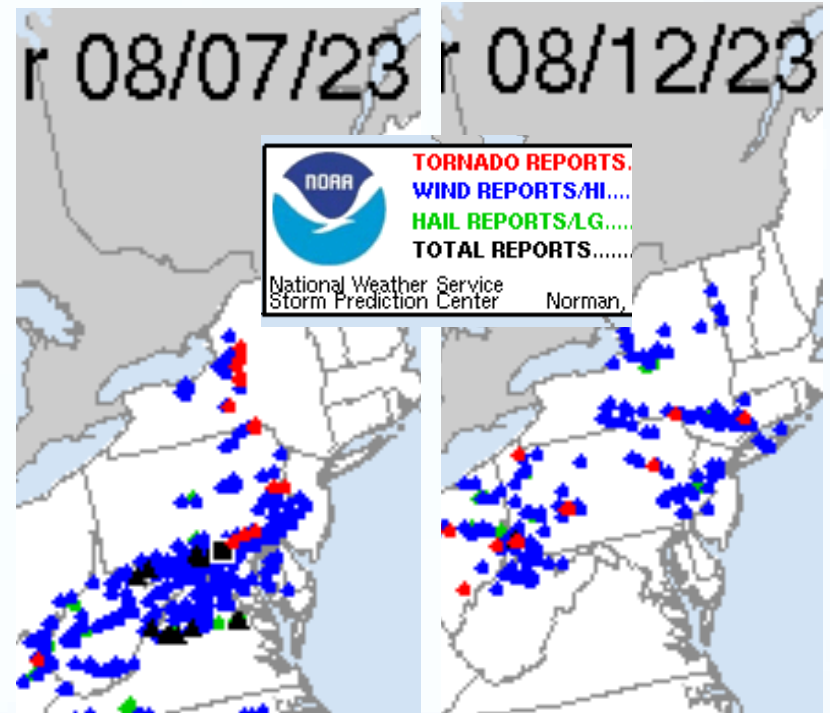
August Severe Weather



Courtesy of
NWS BUF

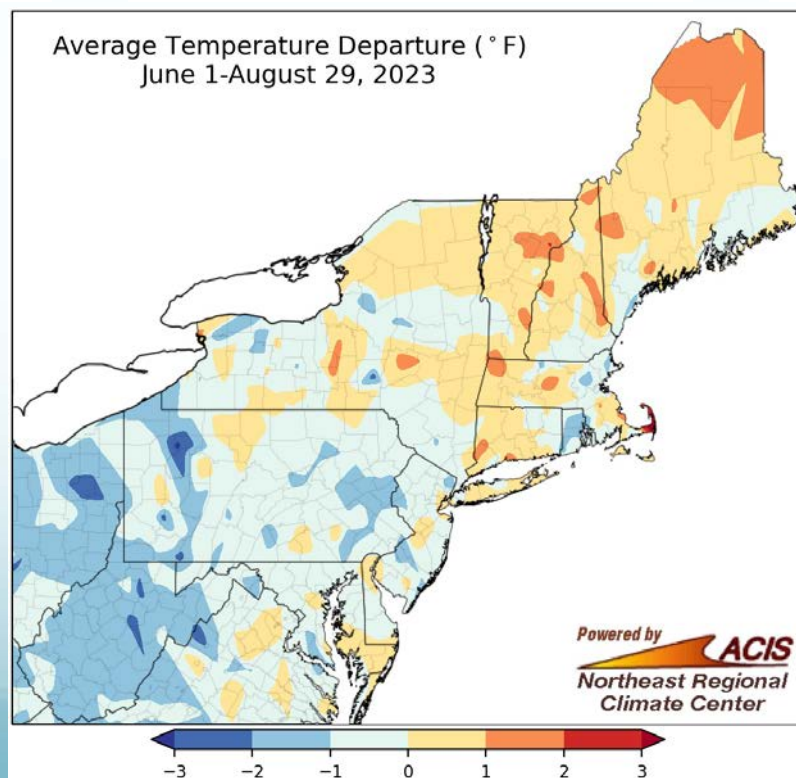
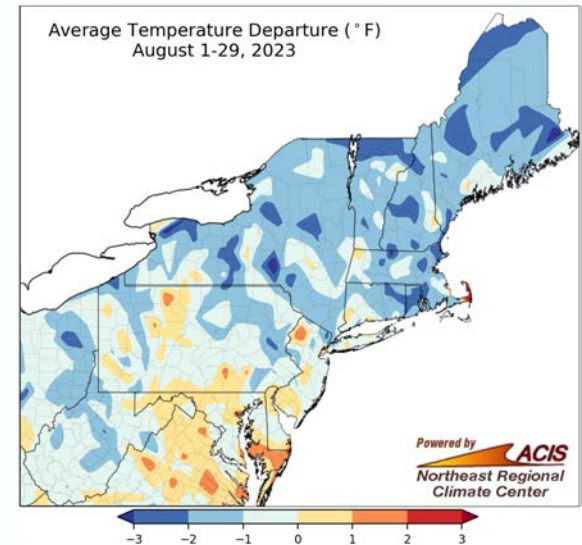
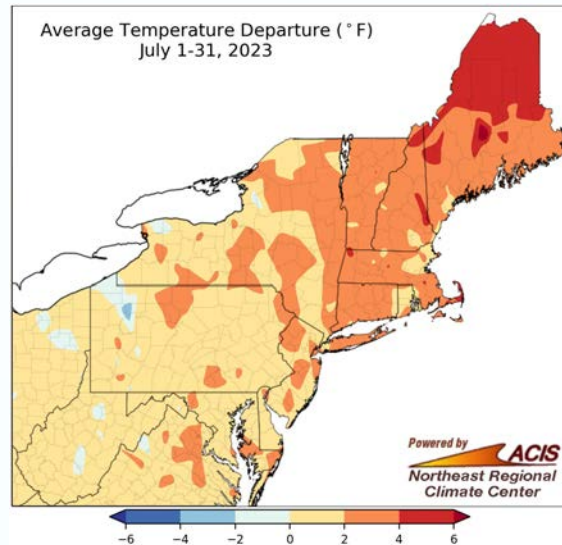
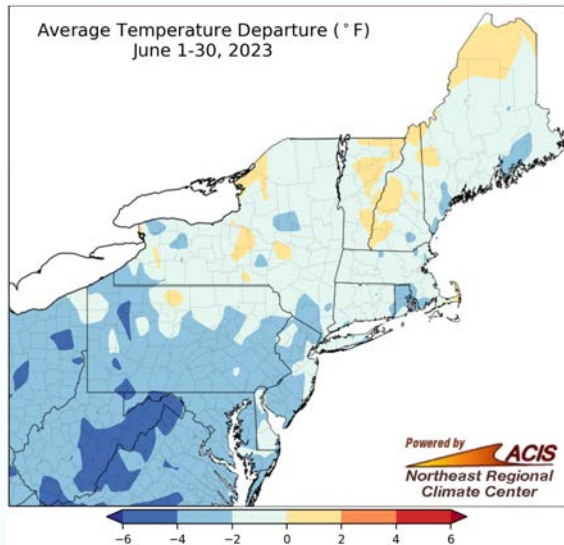


Courtesy of
NWS PBZ



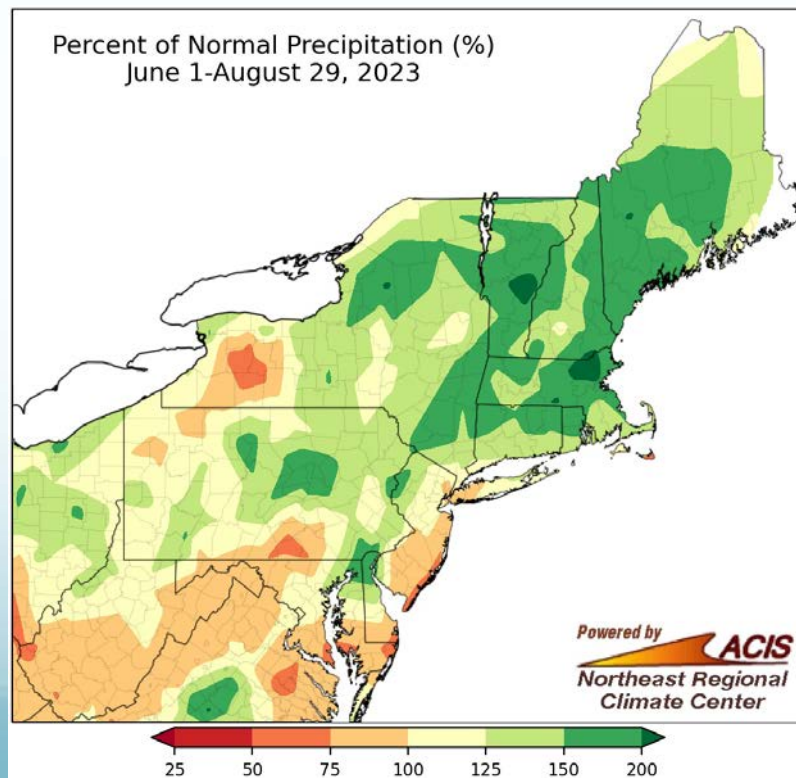
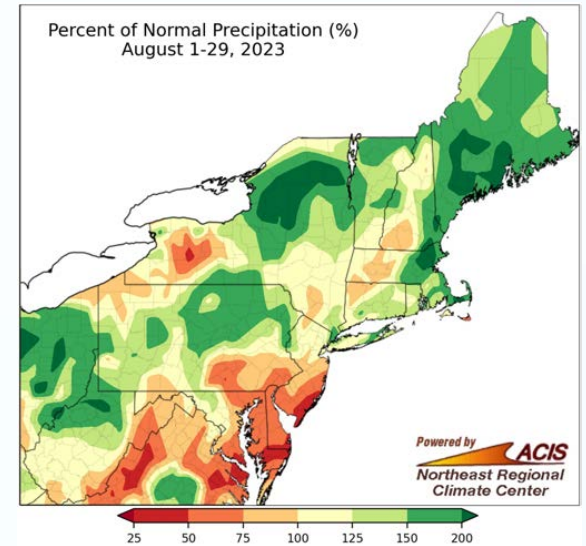
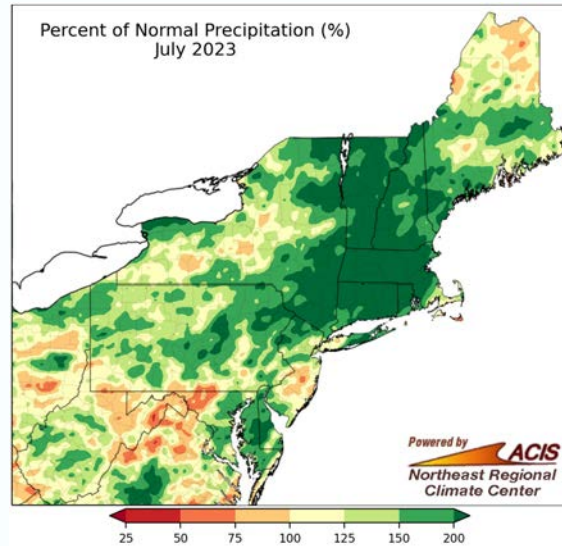
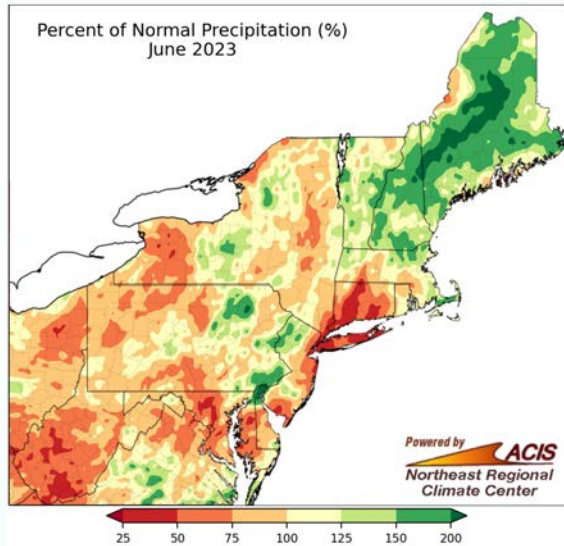
Courtesy of
NWS CTP

Summer Temperatures



From 3°F below normal
to 2°F above normal

Summer Precipitation



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

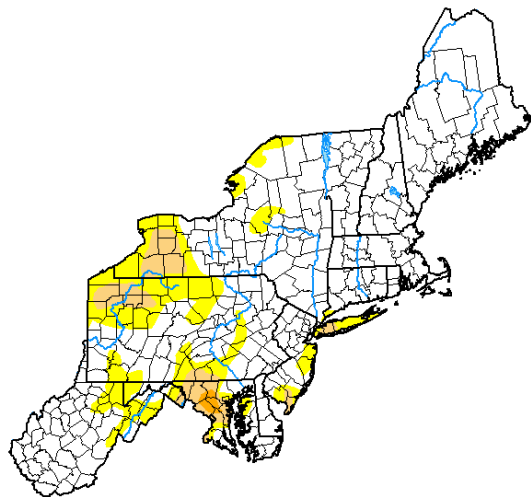
Summer Precipitation

Station	Summer 2023 (as of 8/29) Precipitation (in.)	Normal Summer Precipitation (in.)	Summer Rank as of Aug 29 (wettest)
Albany, NY	18.38	12.36	2
Boston, MA	19.79	10.39	2
Worcester, MA	22.57	12.29	2
Rochester, NY	14.80	10.24	4
Williamsport, PA	20.44	12.66	4
Binghamton, NY	17.86	12.59	5
Wilmington, DE	23.26	13.06	5
Portland, ME	16.40	11.15	8
Hartford, CT	19.02	12.66	10
Syracuse, NY	16.16	11.12	11
Providence, RI	16.09	10.31	12
Islip, NY	14.05	11.50	14
Concord, NH	14.85	11.02	15
Scranton, PA	15.37	11.26	15
Burlington, VT	14.67	11.86	16
Bridgeport, CT	13.04	11.07	17
Caribou, ME	12.68	11.73	19



Drought Monitor

U.S. Drought Monitor Northeast



July 25, 2023
(Released Thursday, Jul. 27, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	78.89	15.43	5.27	0.40	0.00	0.00
Last Week 07-18-2023	71.91	18.96	8.56	0.57	0.00	0.00
3 Months Ago 04-25-2023	72.19	21.66	6.15	0.00	0.00	0.00
Start of Calendar Year 01-01-2023	90.64	9.16	0.21	0.00	0.00	0.00
Start of Water Year 09-27-2022	69.23	17.83	9.11	3.70	0.14	0.00
One Year Ago 07-26-2022	50.54	28.39	18.28	2.80	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>

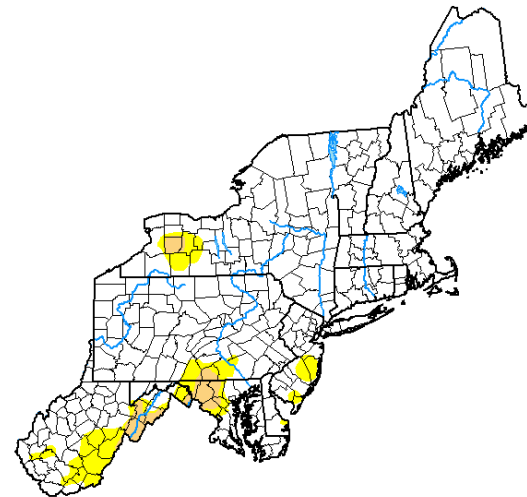
Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast



August 29, 2023
(Released Thursday, Aug. 31, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	91.45	6.27	2.26	0.02	0.00	0.00
Last Week 08-22-2023	89.84	8.55	1.61	0.00	0.00	0.00
3 Months Ago 05-30-2023	50.39	47.26	2.35	0.00	0.00	0.00
Start of Calendar Year 01-01-2023	90.64	9.16	0.21	0.00	0.00	0.00
Start of Water Year 09-27-2022	69.23	17.83	9.11	3.70	0.14	0.00
One Year Ago 08-30-2022	40.91	35.33	12.75	9.02	1.98	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:

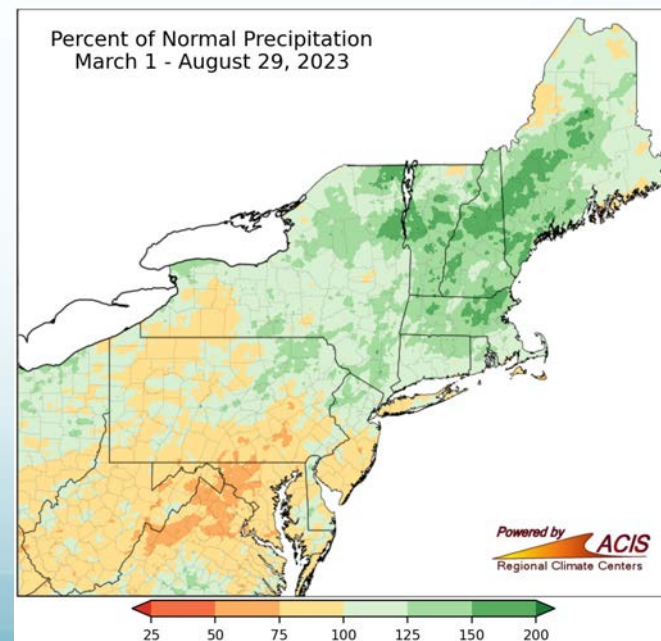
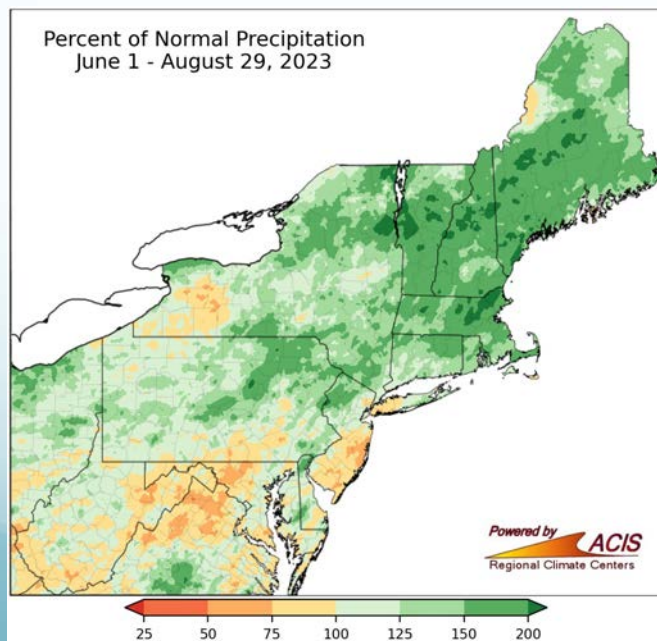
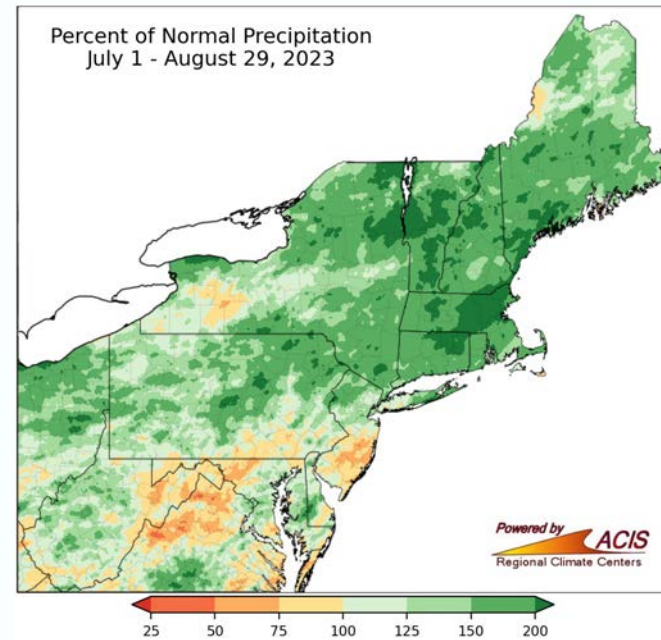
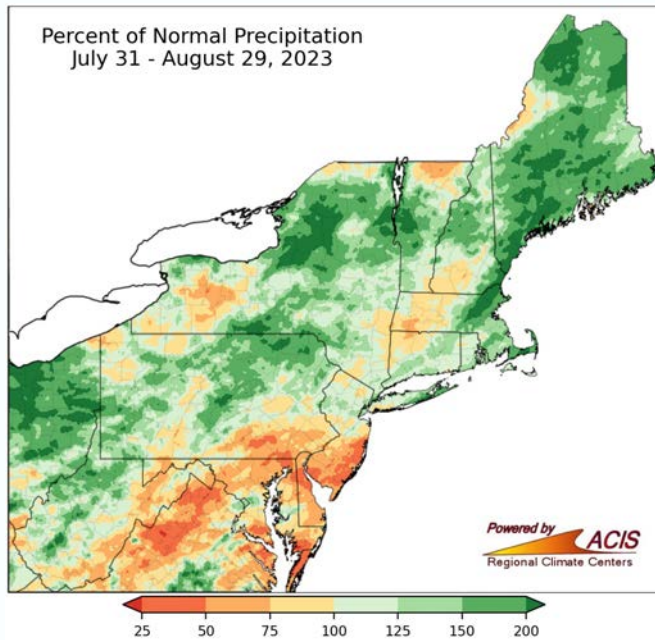
David Simerali
Western Regional Climate Center



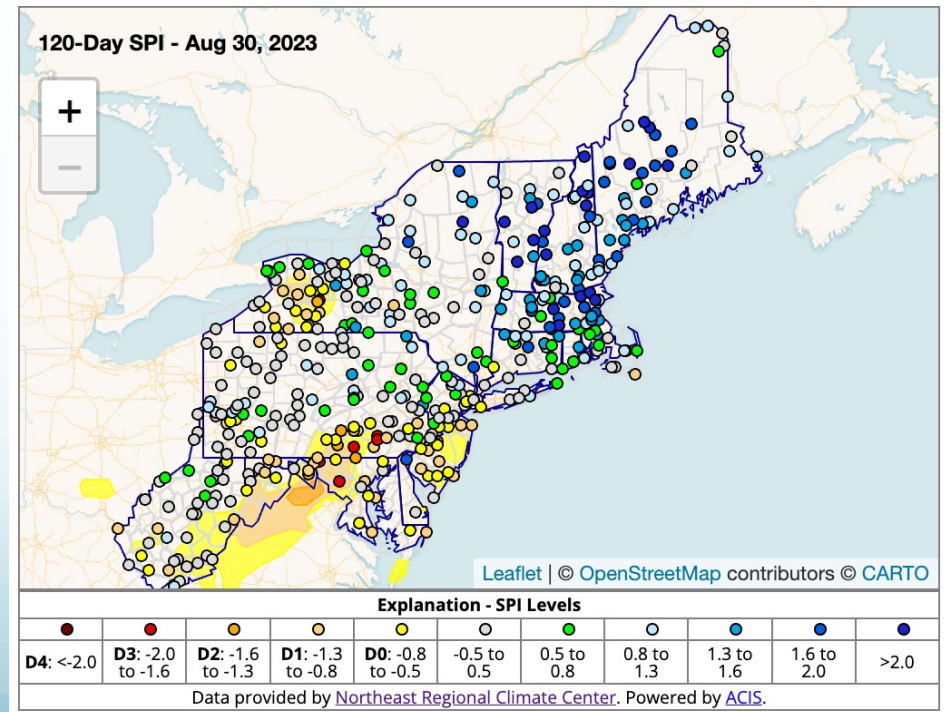
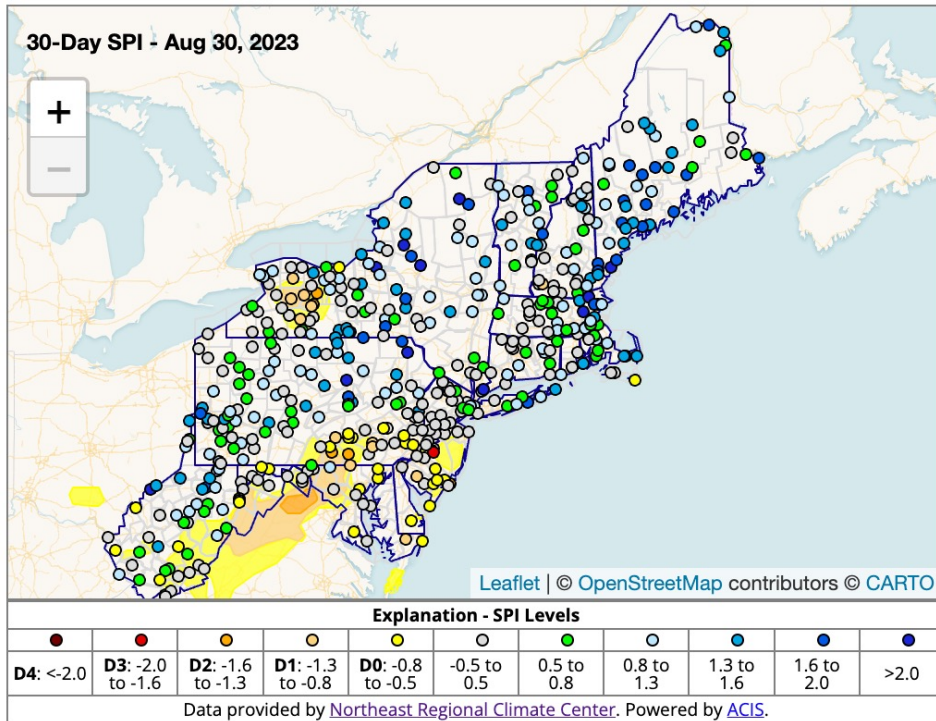
droughtmonitor.unl.edu



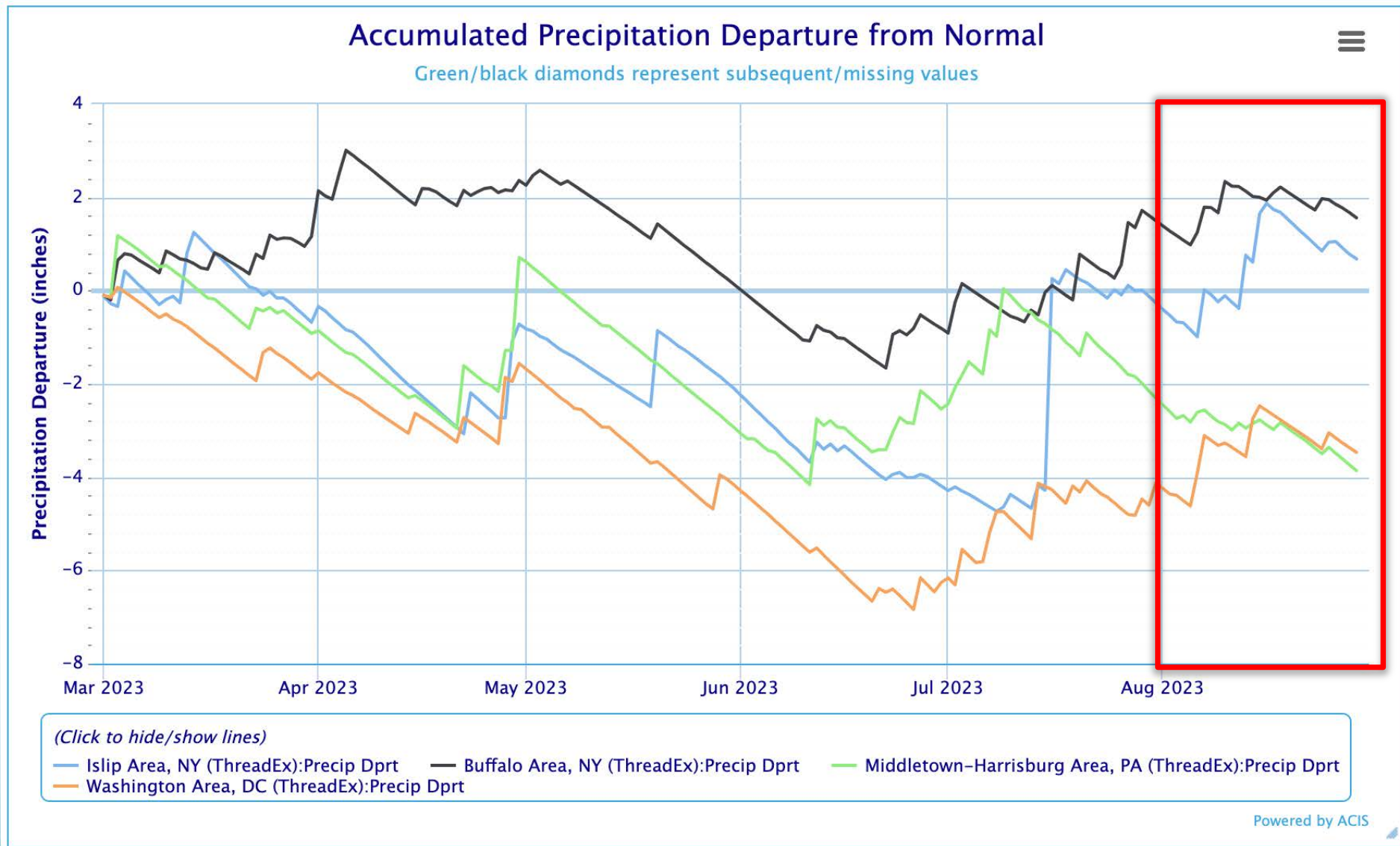
Precipitation



Standardized Precipitation Index

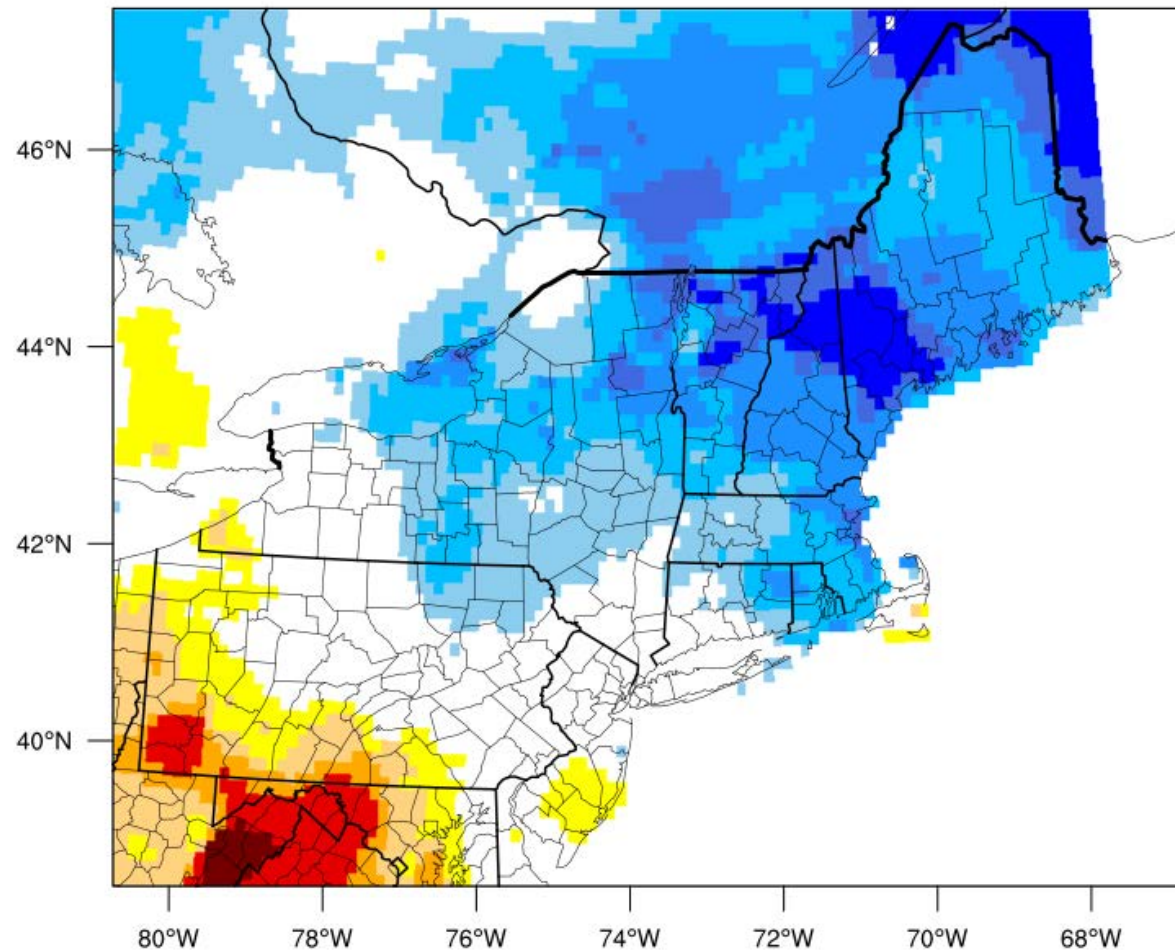


Precipitation



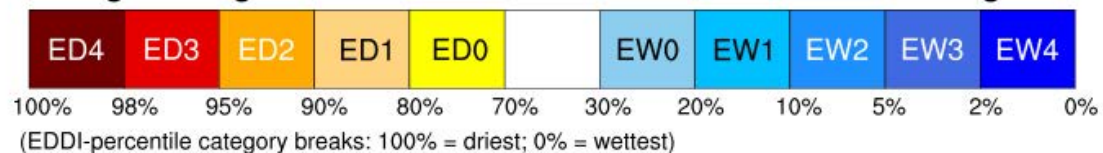
Evap. Demand Drought Index

3-week EDDI categories for August 25, 2023



Drought categories

Wetness categories

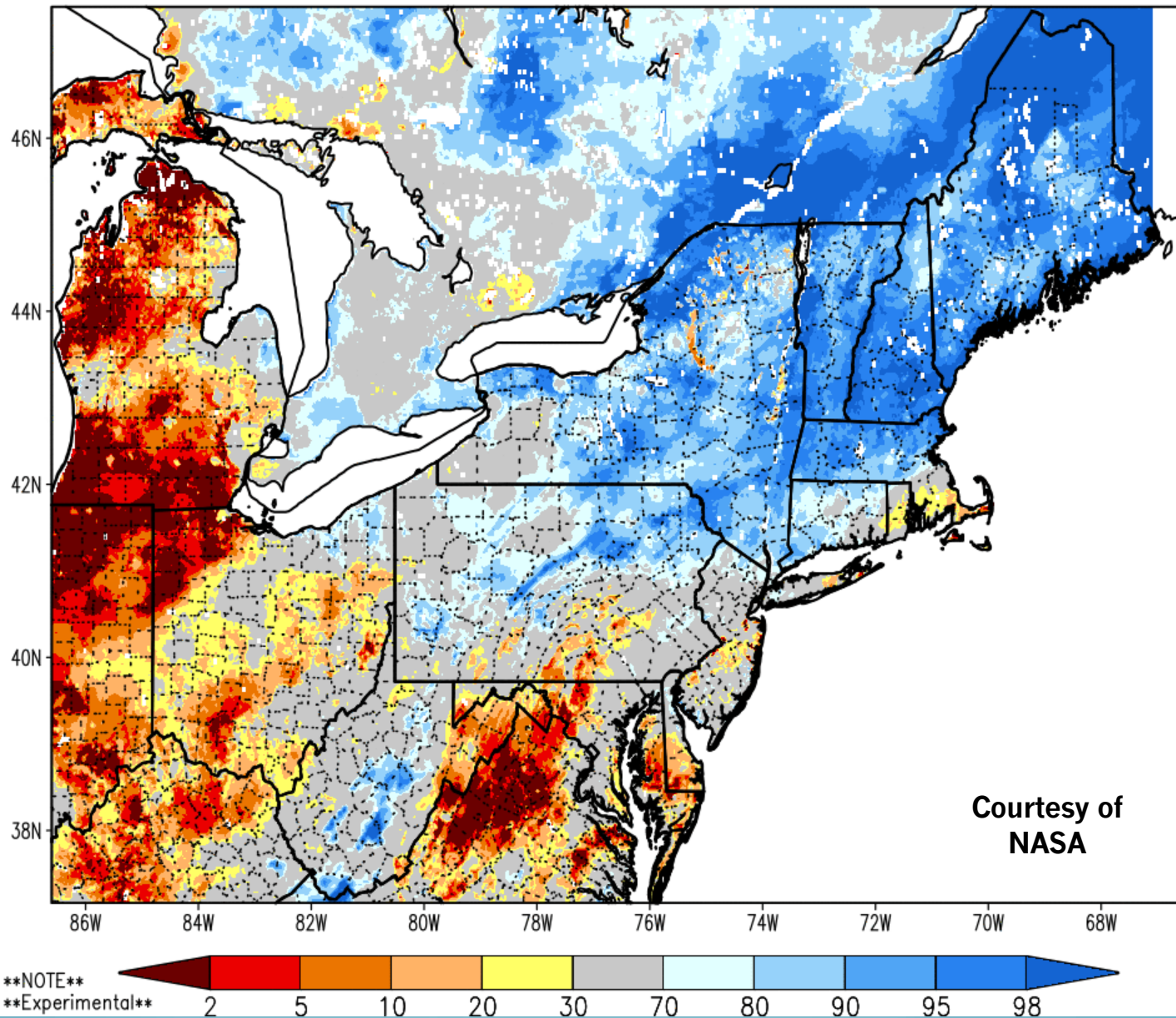


Generated by NOAA/ESRL/Physical Sciences Laboratory

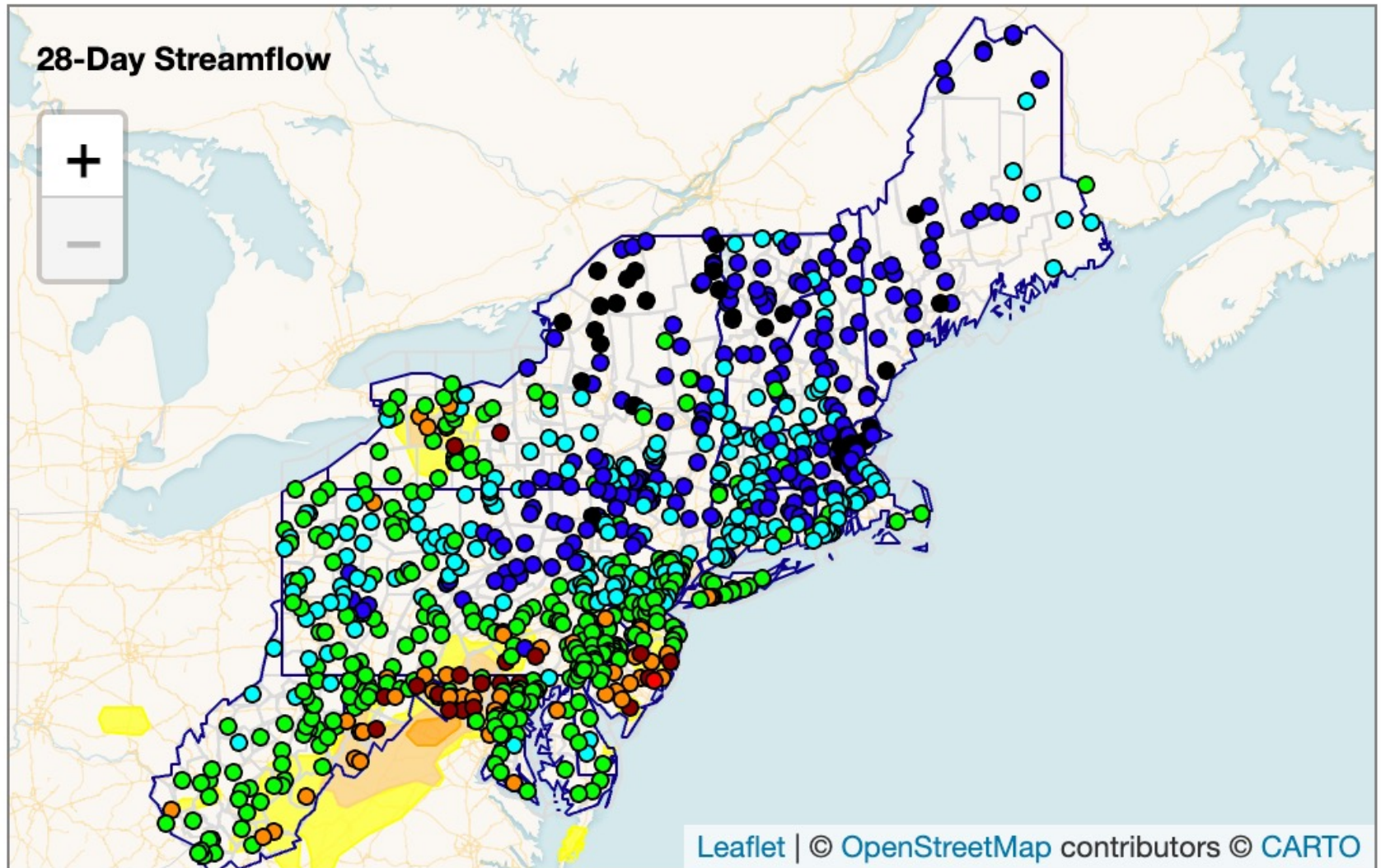









Soil Moisture

SPoRT-LIS 0-100 cm Soil Moisture percentile valid 31 Aug 2023



Streamflow

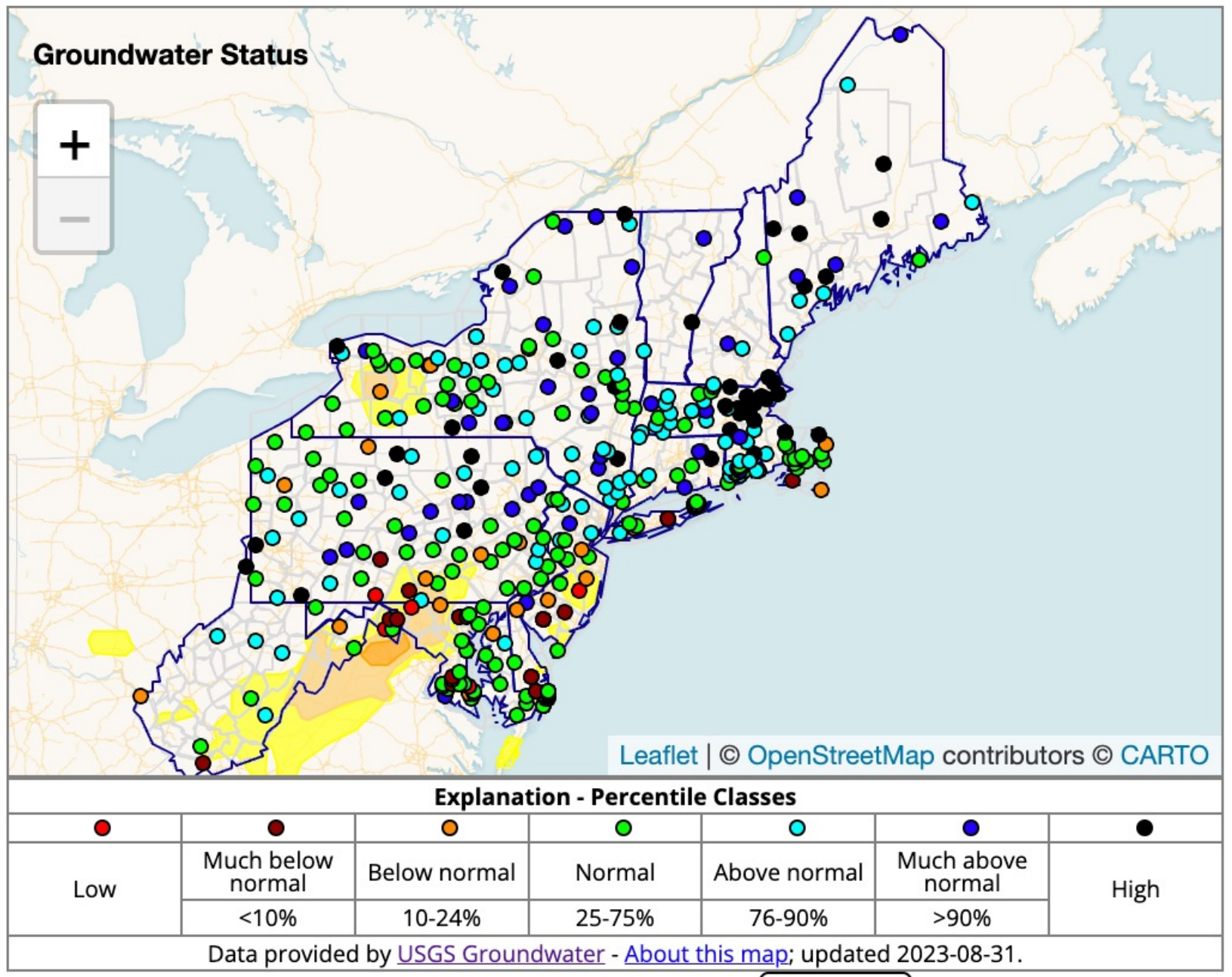


Explanation - Percentile Classes						
						
Low	Much below normal	Below normal	Normal	Above normal	Much above normal	High
	<10%	10-24%	25-75%	76-90%	>90%	

Data provided by [USGS WaterWatch](#) - [Streamflow](#); updated 2023-08-31.

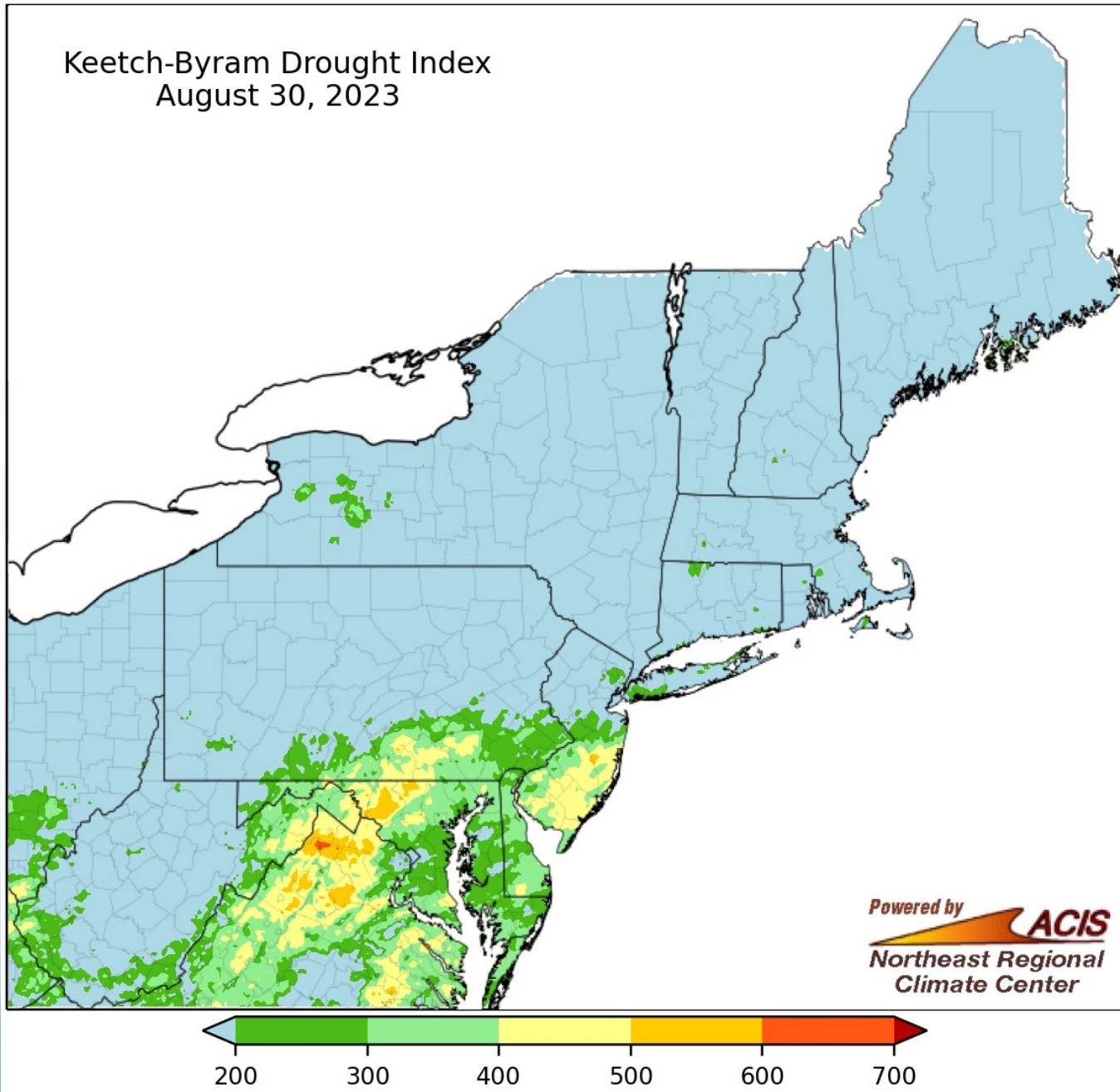


Groundwater

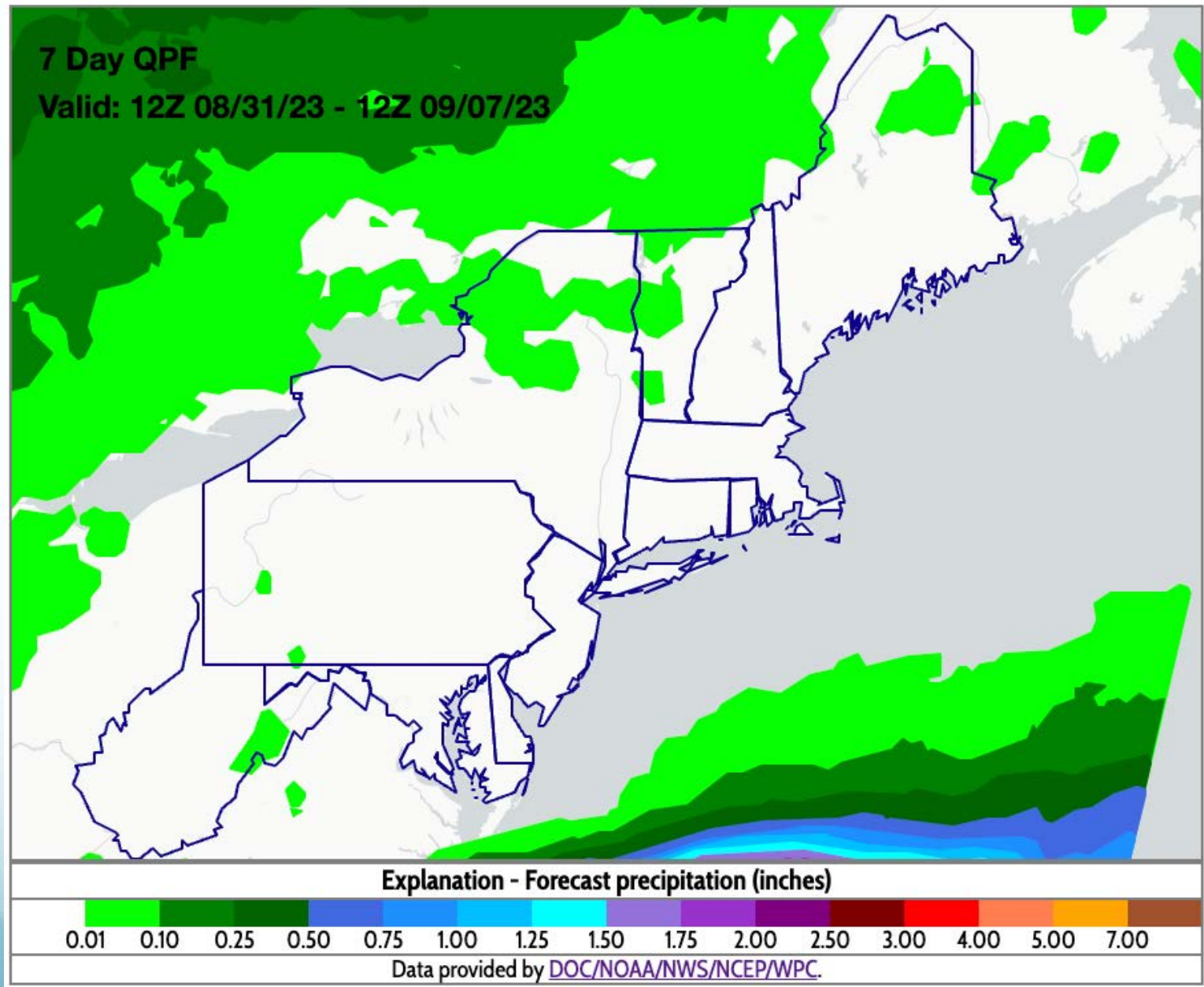


Wildfire Risk

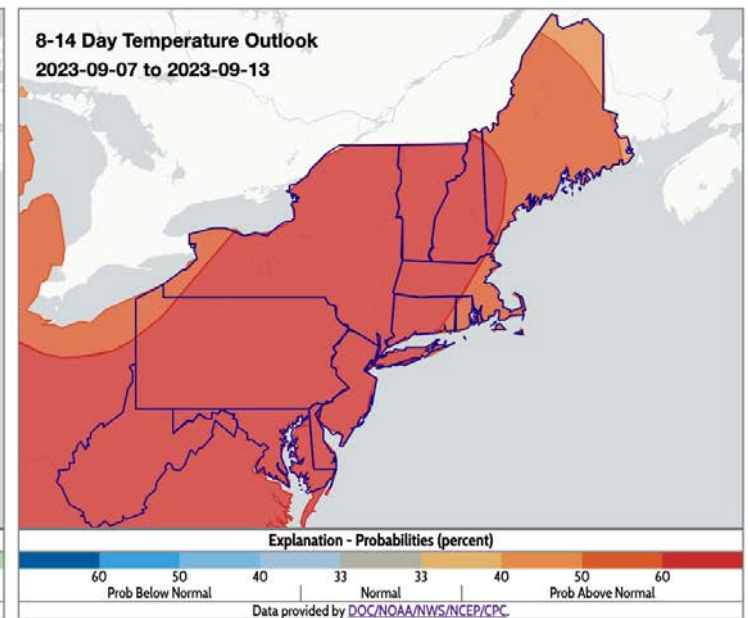
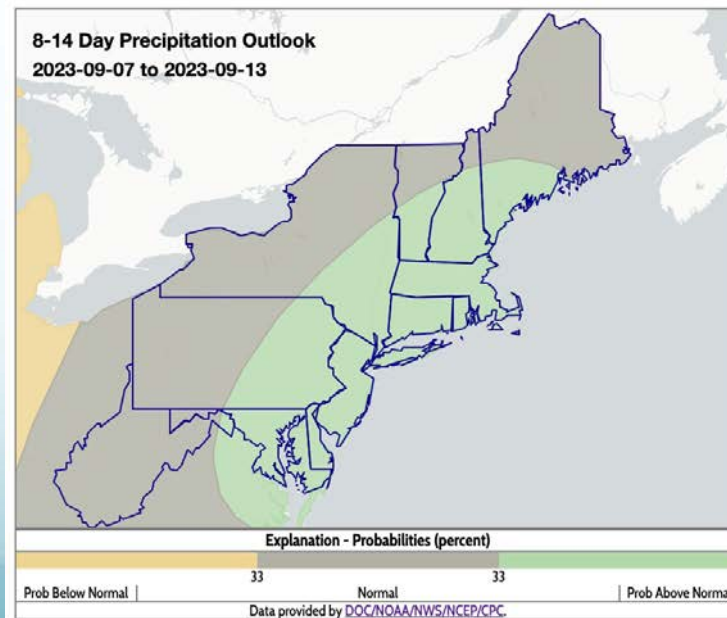
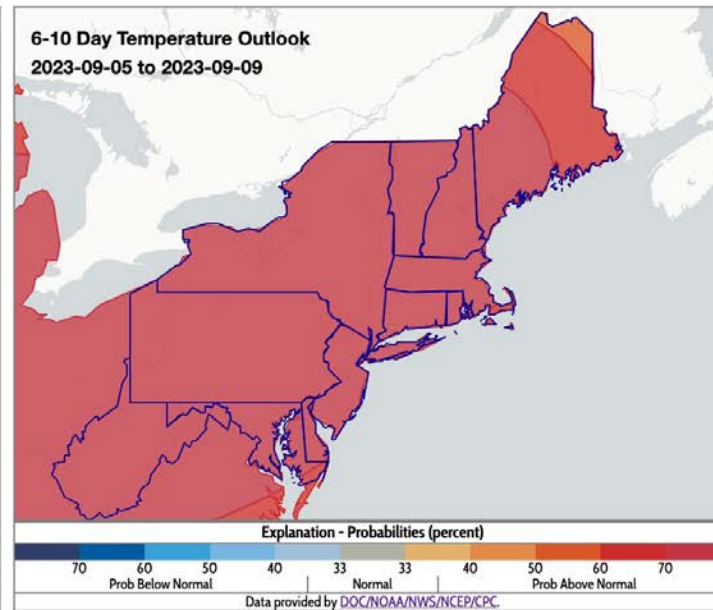
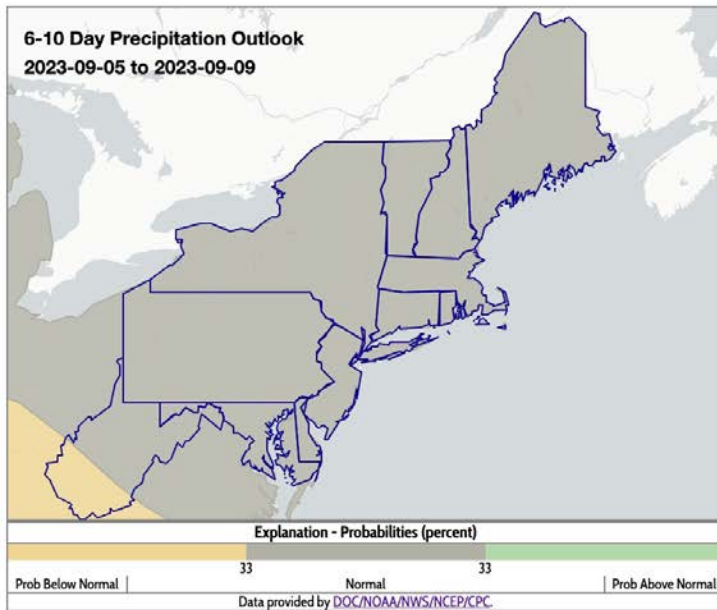
Keetch-Byram Drought Index
August 30, 2023



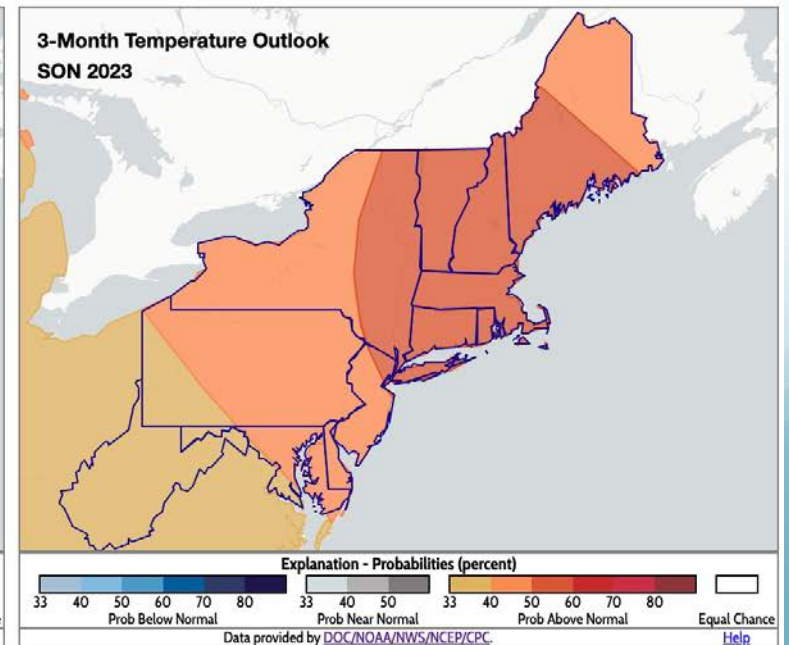
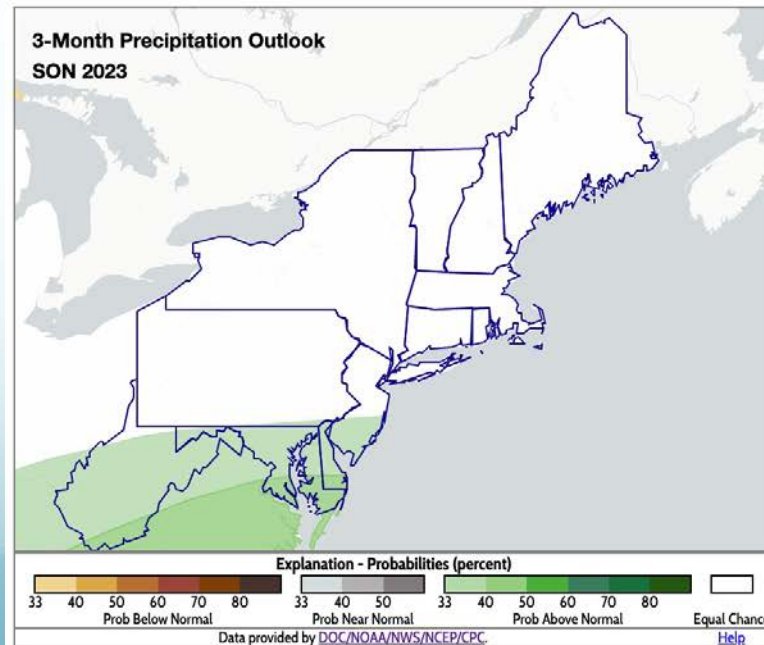
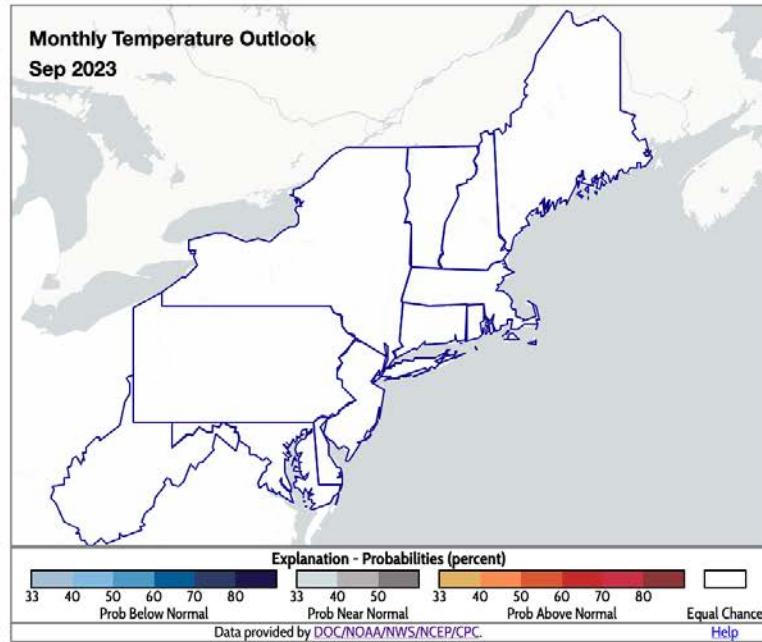
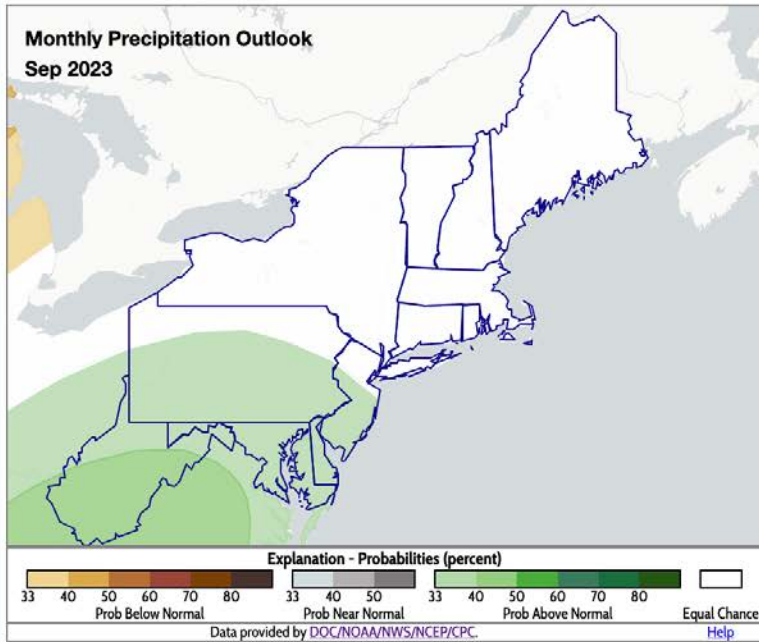
Precipitation Forecast



Short-term Outlooks



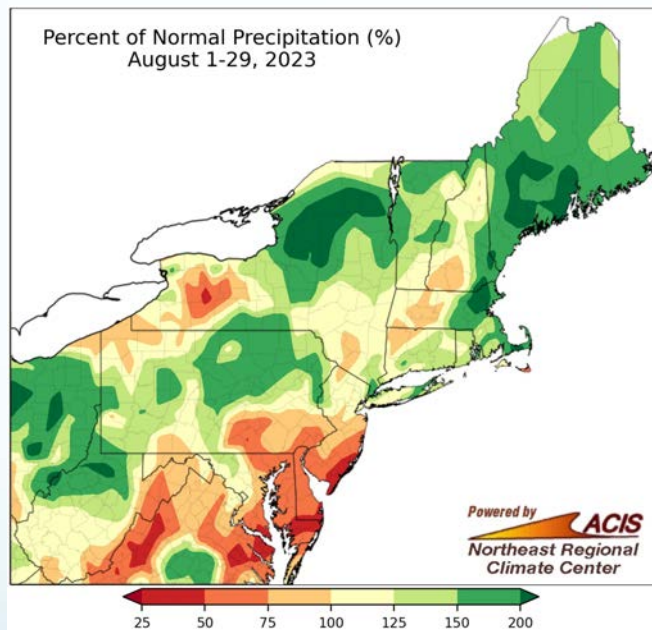
Monthly & 3-Month Outlooks



Summary

August-to-date conditions:

- Below- or near-normal temperatures for most
- Near- or above-normal precipitation for most; drier in the region's southeastern corner and western New York



Drought:

- Drought and dryness contracted in many areas but expanded in some drier areas such as eastern West Virginia

Outlooks:

- Short-term: little, if any, rainfall over the next week; 6-10-day favors below- or near-normal precipitation while 8-14 day favors near- or above-normal precipitation; both periods tilt toward above-normal temperatures
- Sep: Southern areas could be wet; no clear temperature signal
- Autumn: Tilt toward wet for southern areas; above-normal temperatures for all



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, September 28 at 9:30am EDT
 - The Role of the State Climatologist Office – NJ & MD
- Tuesday, October 31 at 9:30am EDT
 - Climate Change and Agriculture
- Thursday, November 30 at 9:30am EDT
 - ENSO and the Winter Outlook



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