

October Conditions & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center

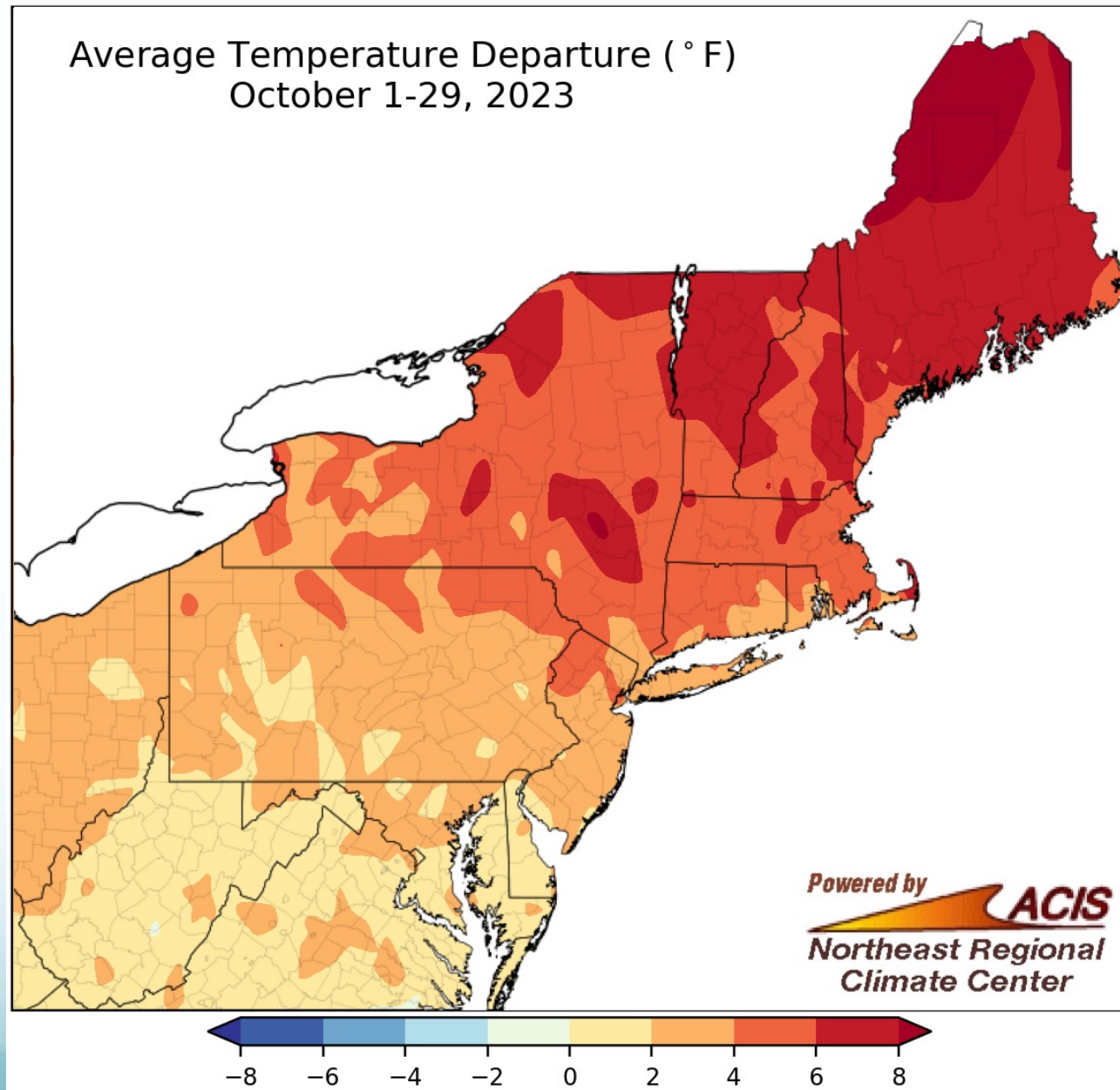


Early October Warmth

<i>Daily Maximum Temperature Records (°F)</i>			
Station	Oct. Date	Max Temp	Rank for Oct.
Albany, NY	4	86	9
Binghamton, NY	3	82	2
Binghamton, NY	4	82	2
Buffalo, NY	4	84	10
Burlington, VT	3	84	4
Burlington, VT	4	86	1
Burlington, VT	5	83	7
Caribou, ME	3	79	2
Islip, NY	4	83	9
Rochester, NY	4	87	10
Syracuse, NY	4	89	1
Syracuse, NY	5	85	10

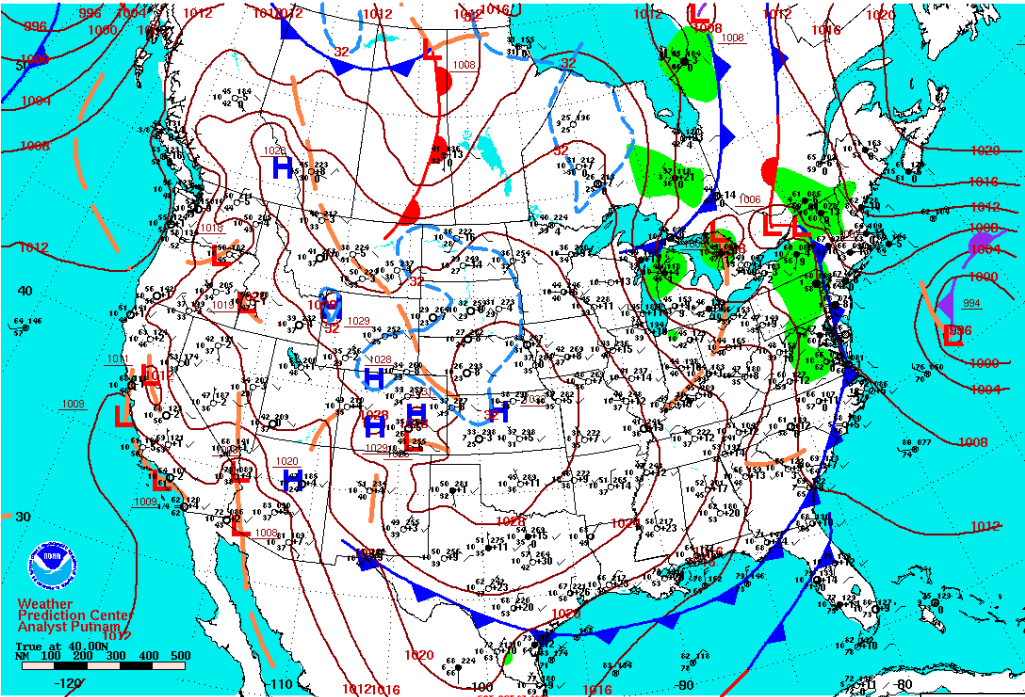


October Temperatures



From near normal to more than 8°F above normal

October Storms



Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

...Waldo County...

Belfast 3.9 NNE	5.88 in	0700 AM 10/08	COCORAHS
Prospect 2.6 W	5.14 in	0600 AM 10/08	COCORAHS
Searsport	5.13 in	0930 AM 10/08	CWOP
Northport	4.90 in	0725 AM 10/08	Emergency Mngr

...Hancock County...

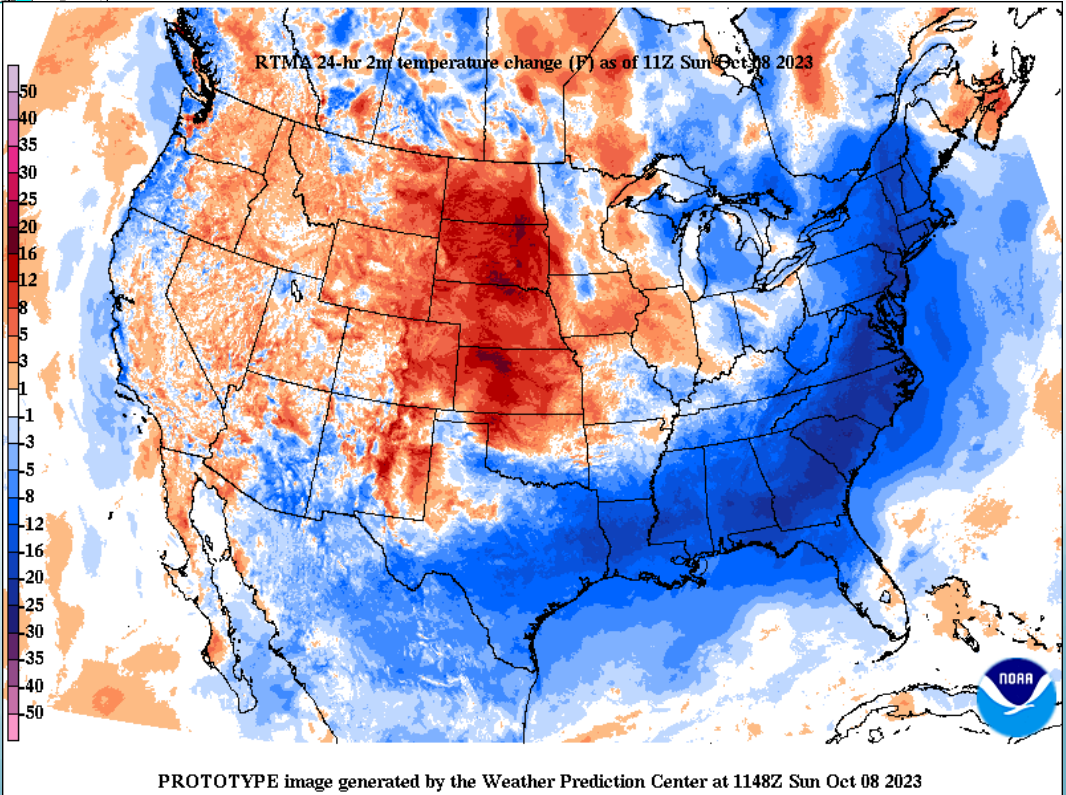
Brooksville - 3.5 ESE	4.85 in	0900 AM 10/08	CWOP
Brooksville	4.50 in	0900 AM 10/08	Public
Sargentville 0.1 W	4.10 in	0800 AM 10/08	COCORAHS
Mount Desert 2.3 NE	3.95 in	0700 AM 10/08	COCORAHS
Castine	3.85 in	0900 AM 10/08	CWOP
Castine	3.85 in	0915 AM 10/08	CWOP

Courtesy of NWS Caribou & Gray

...Hancock County...

Bar Harbor, ME	62 MPH	1130 PM 10/07	NOS-NWLON
Naskeag	56 MPH	1128 PM 10/07	CWOP
Sedgwick Ridge	51 MPH	1045 PM 10/07	CWOP

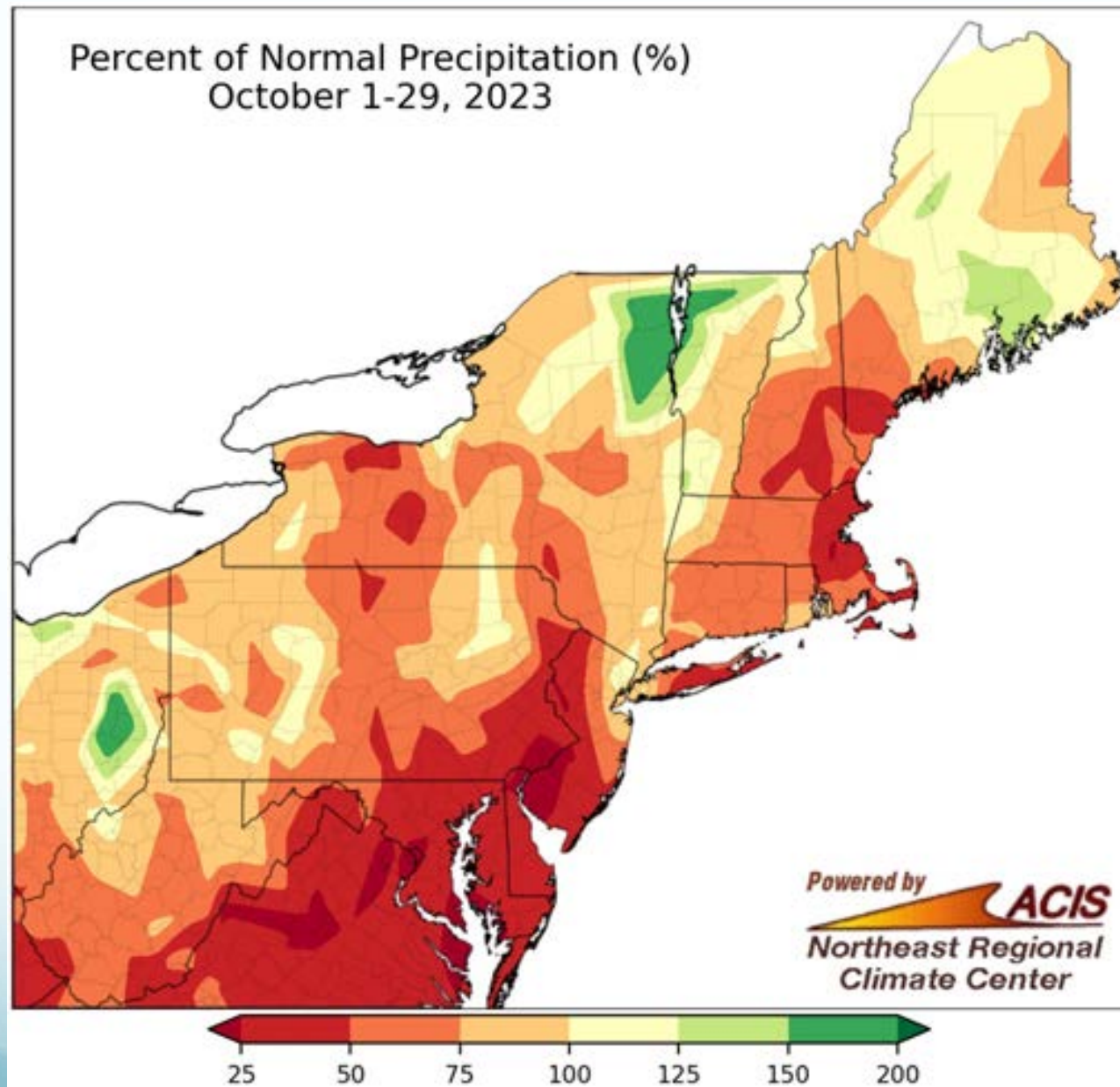
Courtesy of NWS Caribou



PROTOTYPE image generated by the Weather Prediction Center at 1148Z Sun Oct 08 2023



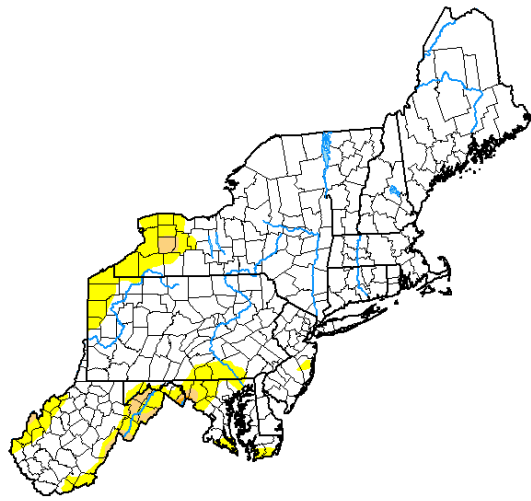
October Precipitation



From less than 25% of normal to 200% of normal

Drought Monitor

U.S. Drought Monitor Northeast



September 26, 2023
(Released Thursday, Sep. 28, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	88.48	10.08	1.36	0.08	0.00	0.00
Last Week 09-19-2023	86.71	10.72	2.48	0.09	0.00	0.00
3 Months Ago 06-27-2023	34.94	39.89	23.80	1.37	0.00	0.00
Start of Calendar Year 01-03-2023	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 09-27-2022	69.23	17.83	9.11	3.70	0.14	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>

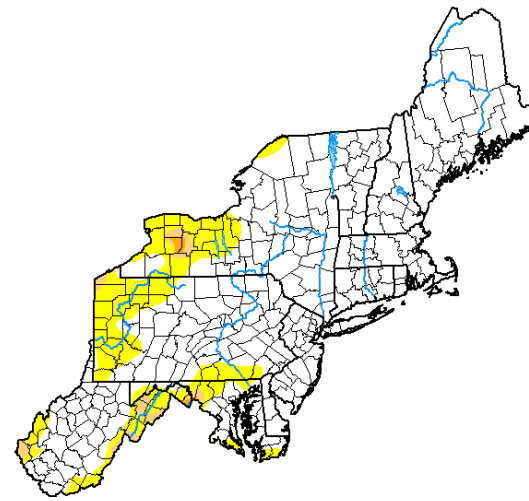
Author:

Richard Heim
NCEI/NOAA



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast



October 24, 2023
(Released Thursday, Oct. 26, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	83.24	14.73	1.76	0.27	0.00	0.00
Last Week 10-17-2023	83.01	14.48	2.24	0.27	0.00	0.00
3 Months Ago 07-25-2023	78.89	15.43	5.27	0.40	0.00	0.00
Start of Calendar Year 01-03-2023	90.64	9.16	0.21	0.00	0.00	0.00
Start of Water Year 09-26-2022	88.48	10.08	1.36	0.08	0.00	0.00
One Year Ago 10-25-2022	81.30	16.44	1.89	0.37	0.00	0.00

Intensity:

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

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Author:

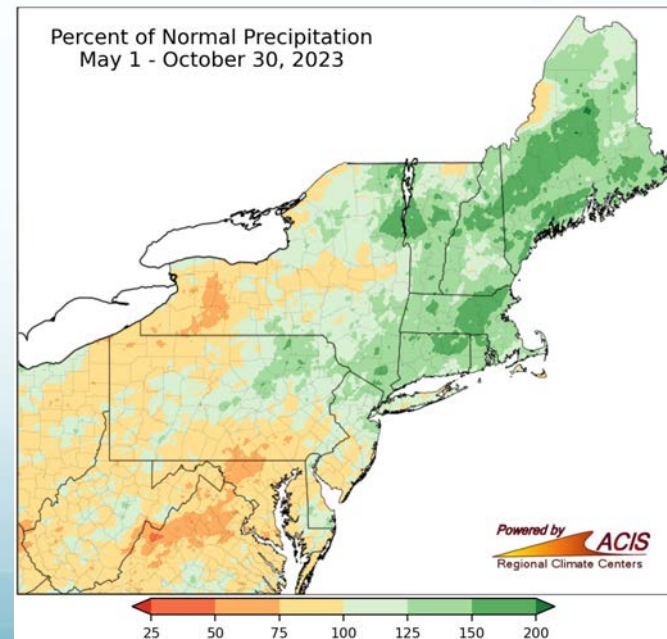
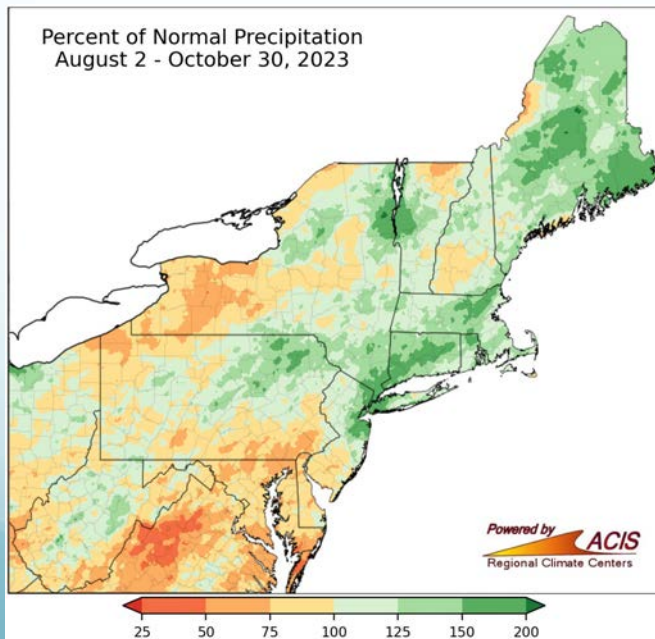
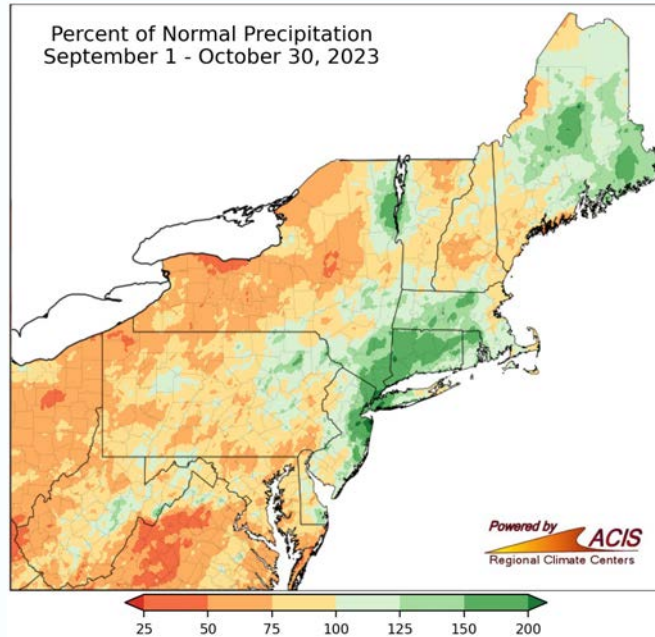
Rocky Blotta
NCEI/NOAA



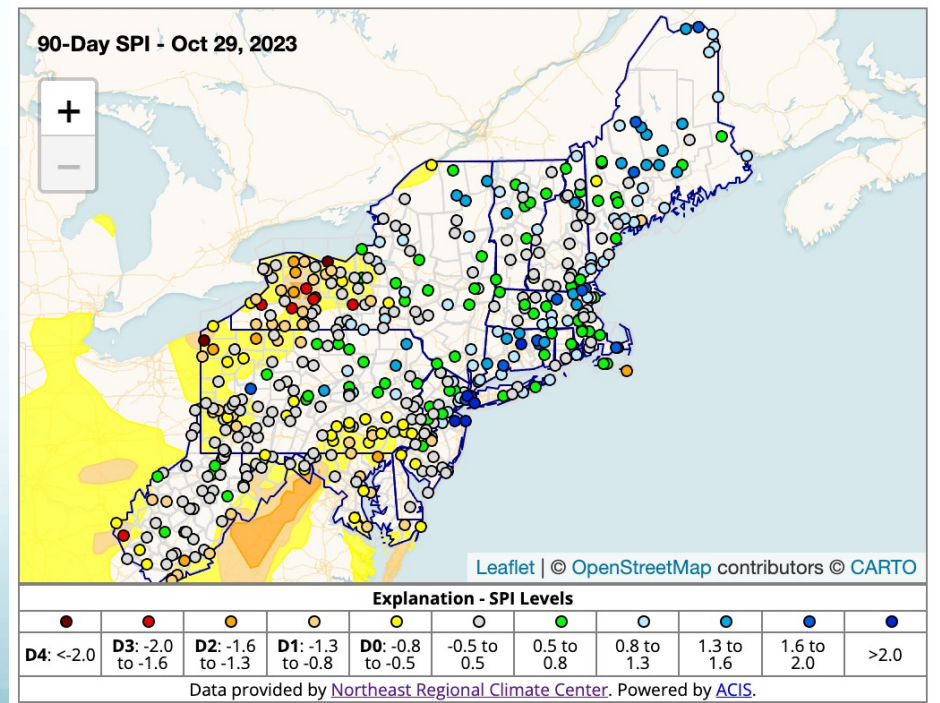
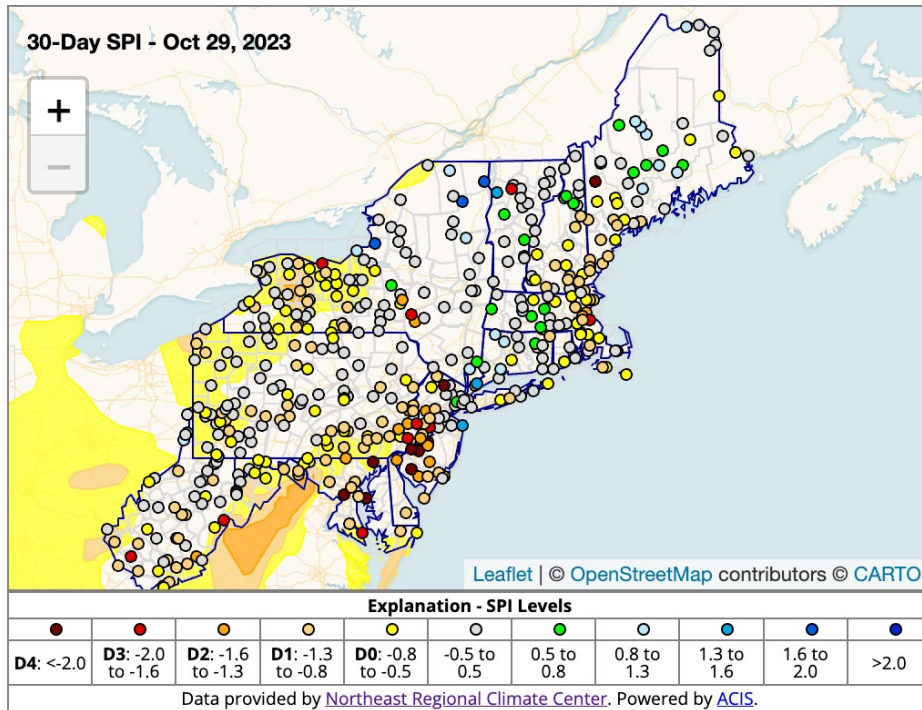
droughtmonitor.unl.edu



Precipitation



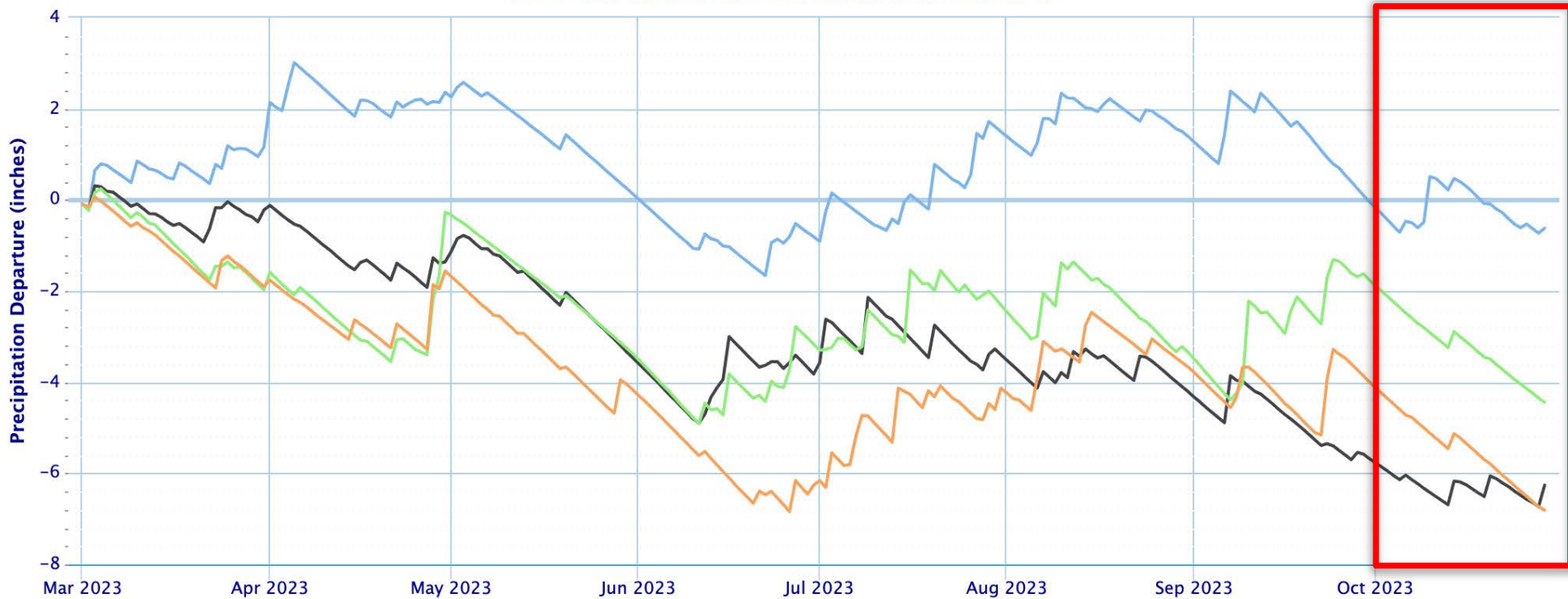
Standardized Precipitation Index



Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

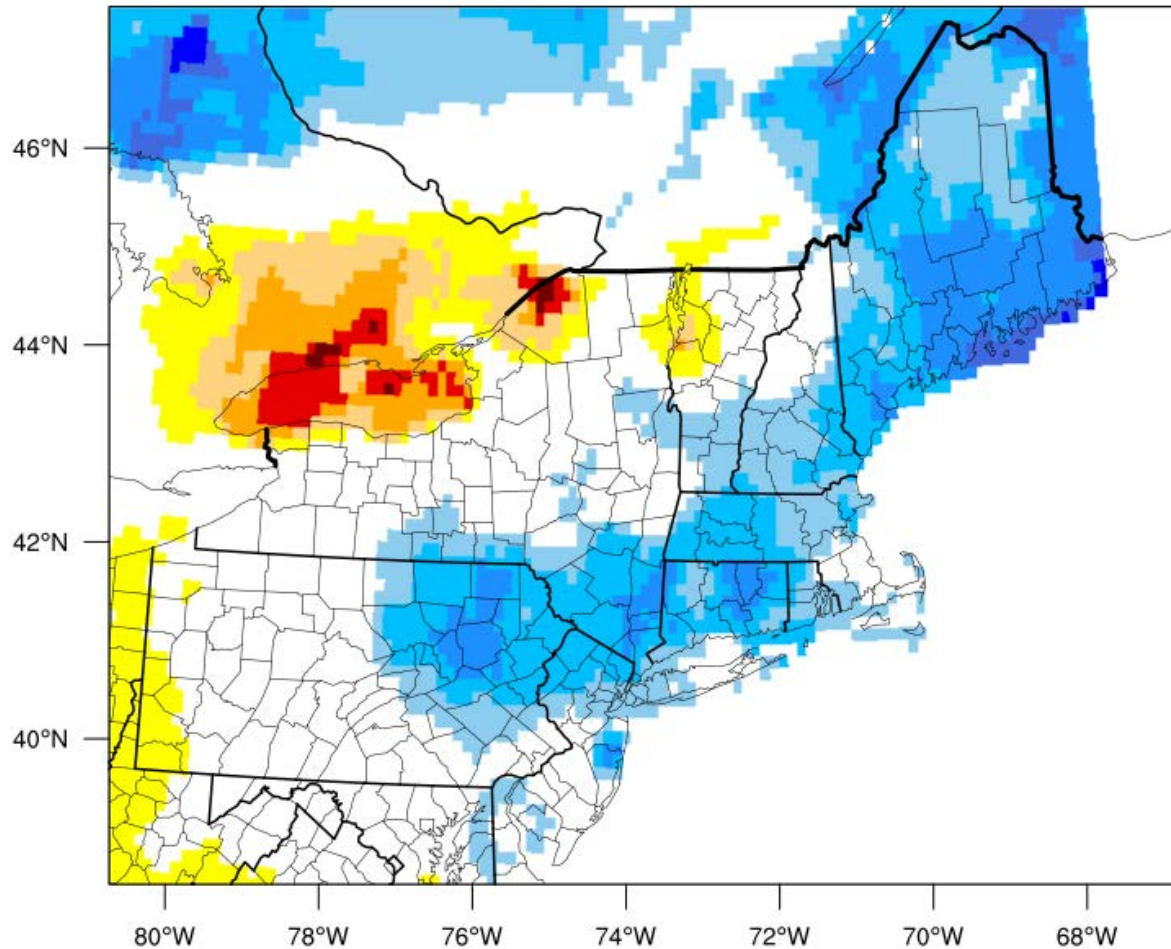
— Buffalo Area, NY (ThreadEx):Precip Dpirt — Pittsburgh Area, PA (ThreadEx):Precip Dpirt — Philadelphia Area, PA (ThreadEx):Precip Dpirt
— Washington Area, DC (ThreadEx):Precip Dpirt

Powered by ACIS



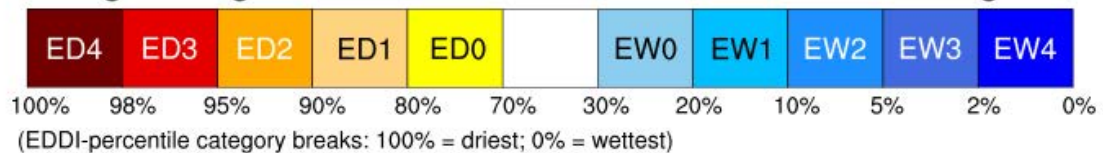
Evap. Demand Drought Index

3-week EDDI categories for October 25, 2023



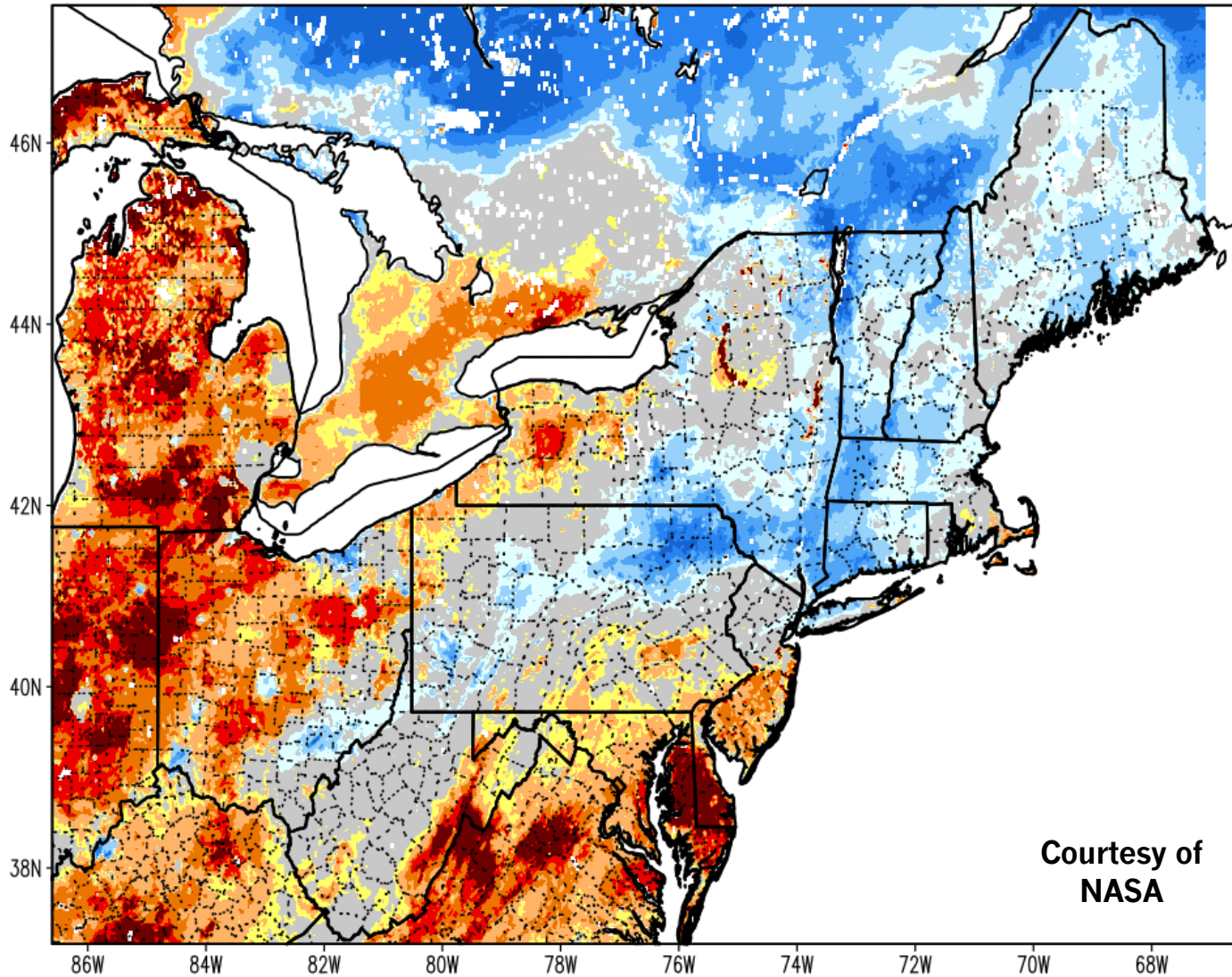
Drought categories

Wetness categories

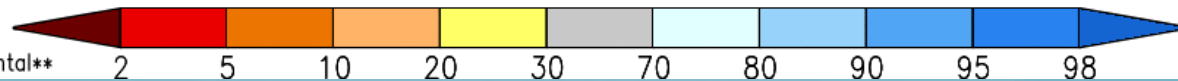


Soil Moisture

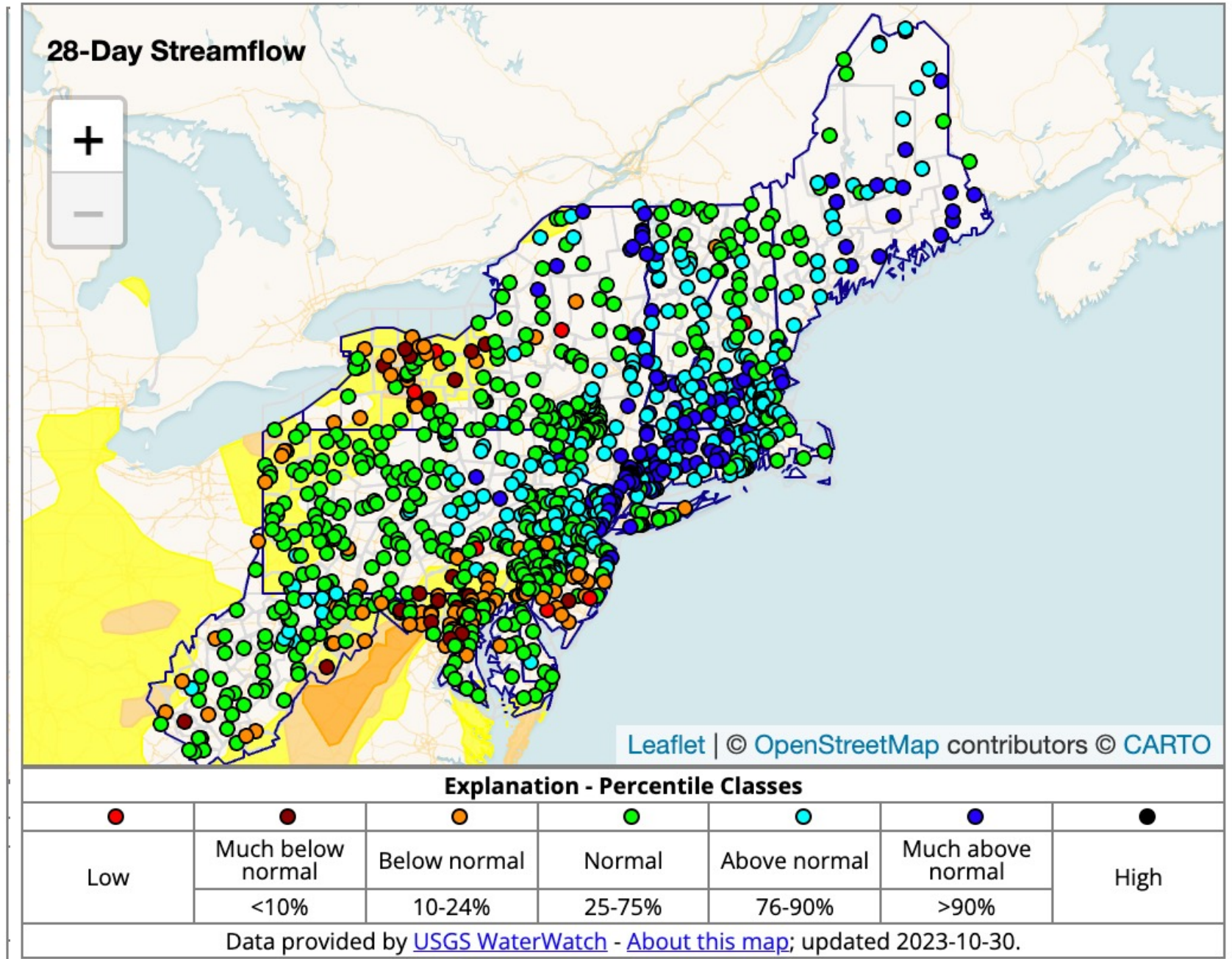
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 31 Oct 2023



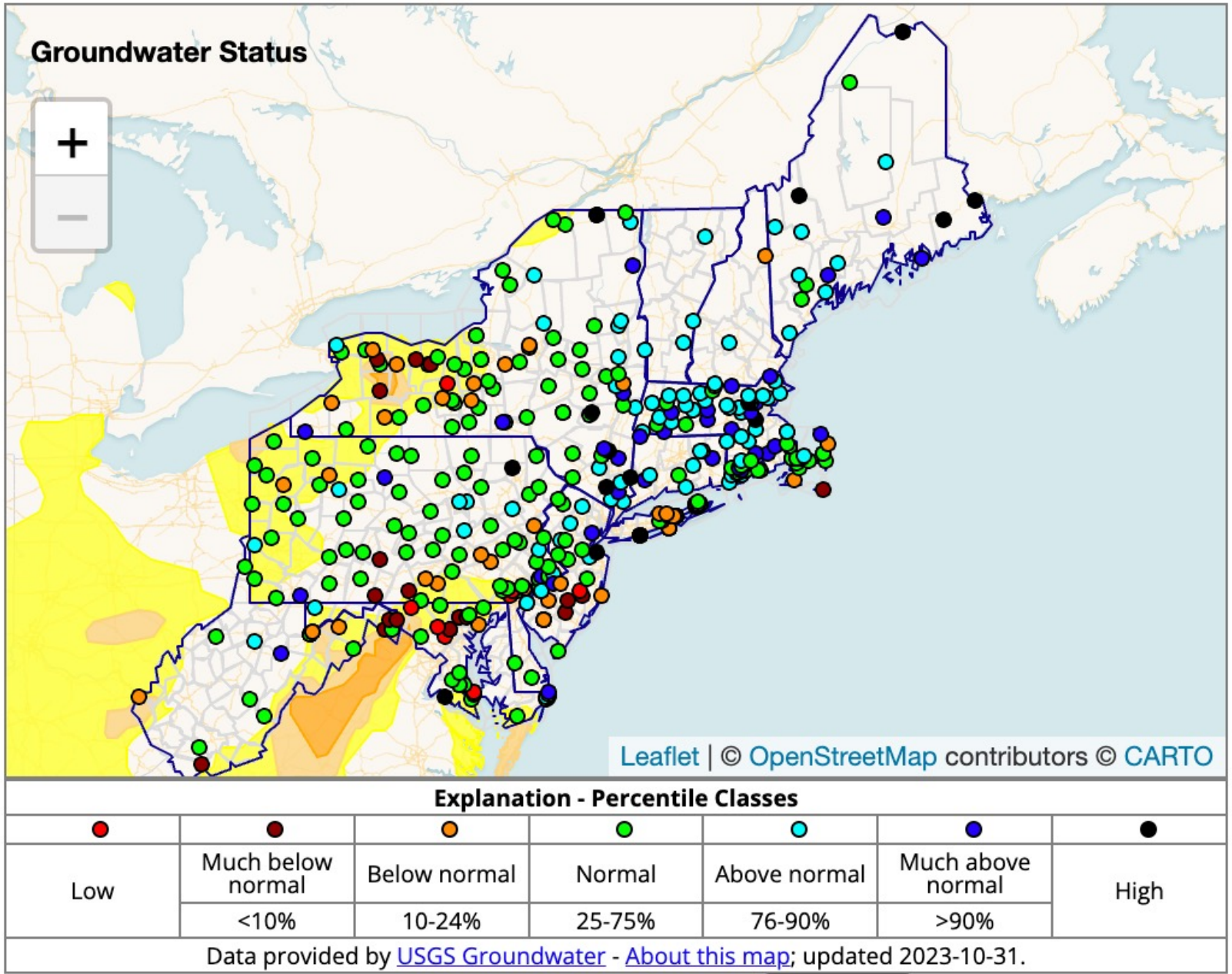
****NOTE****
****Experimental****



Streamflow

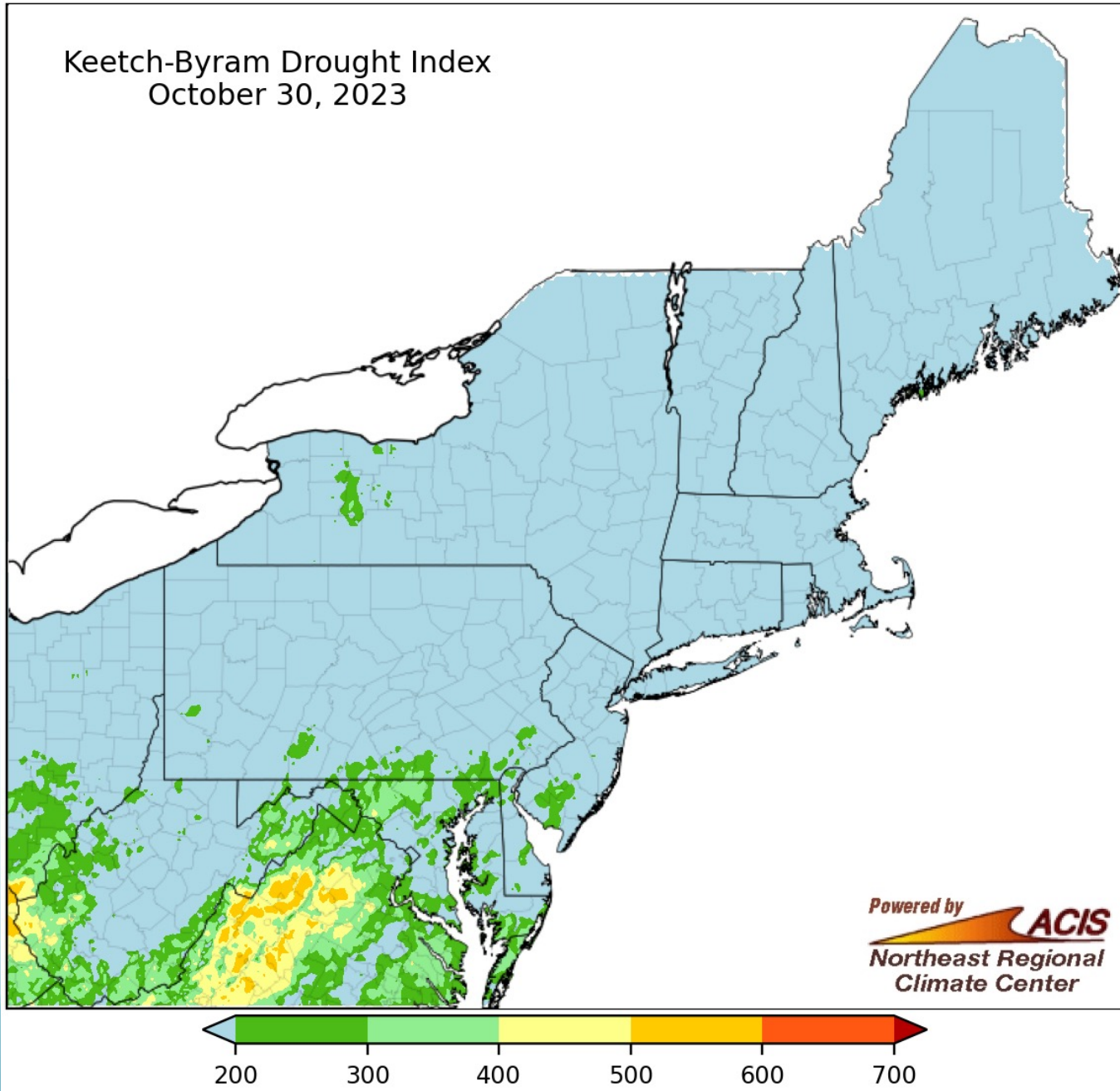


Groundwater

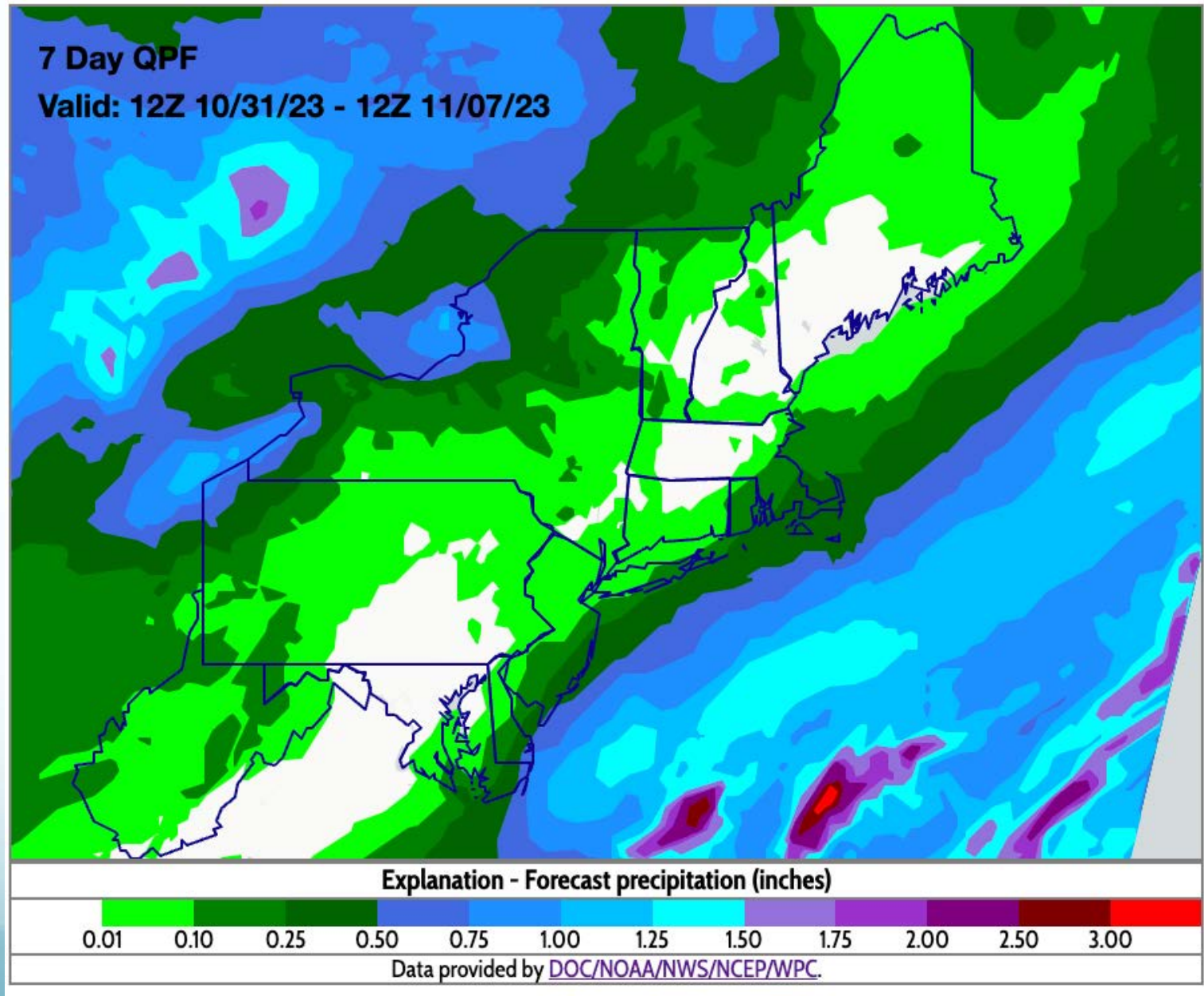


Wildfire Risk

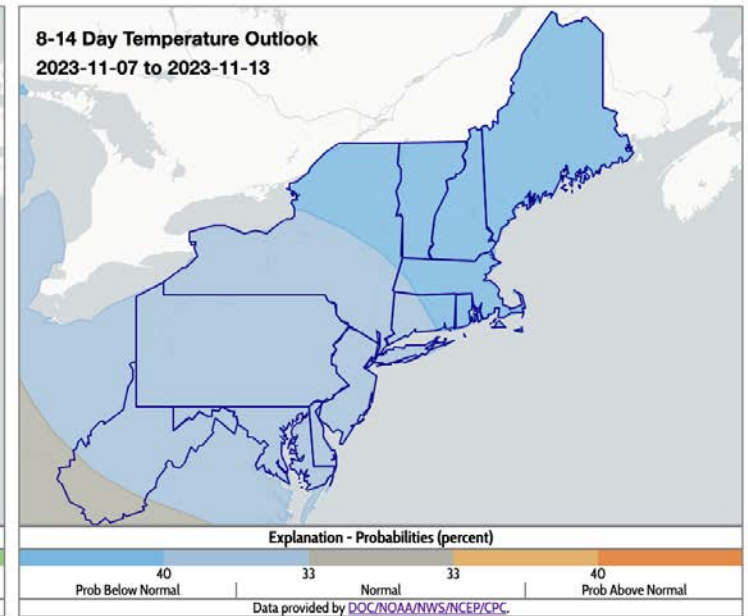
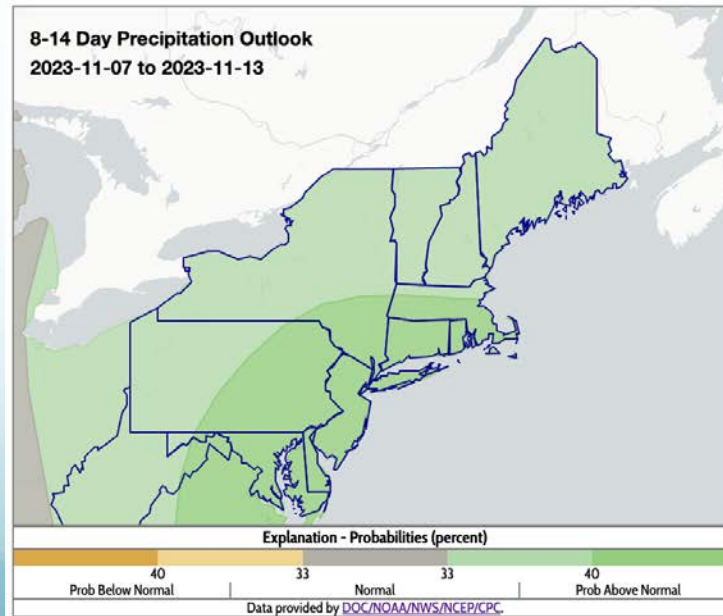
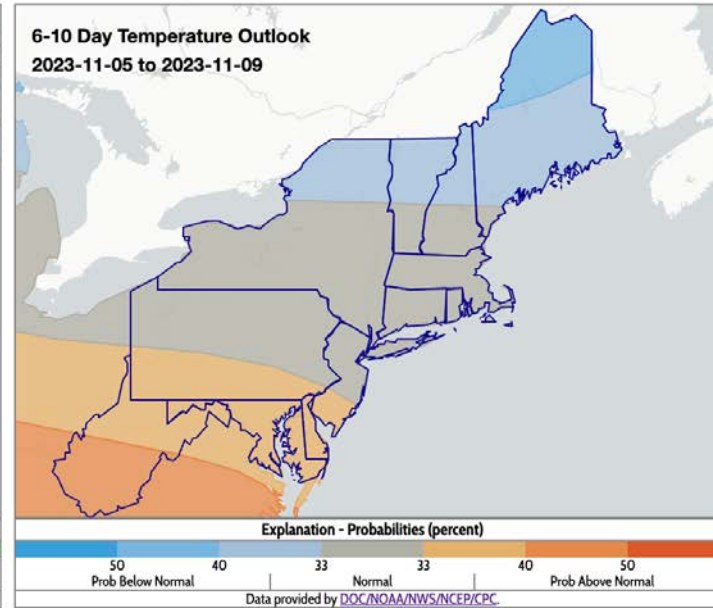
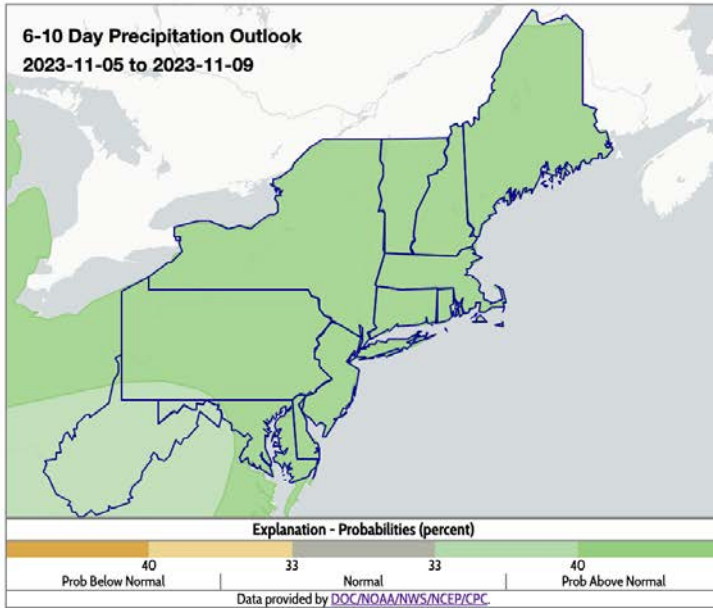
Keetch-Byram Drought Index
October 30, 2023



Precipitation Forecast



Short-term Outlooks



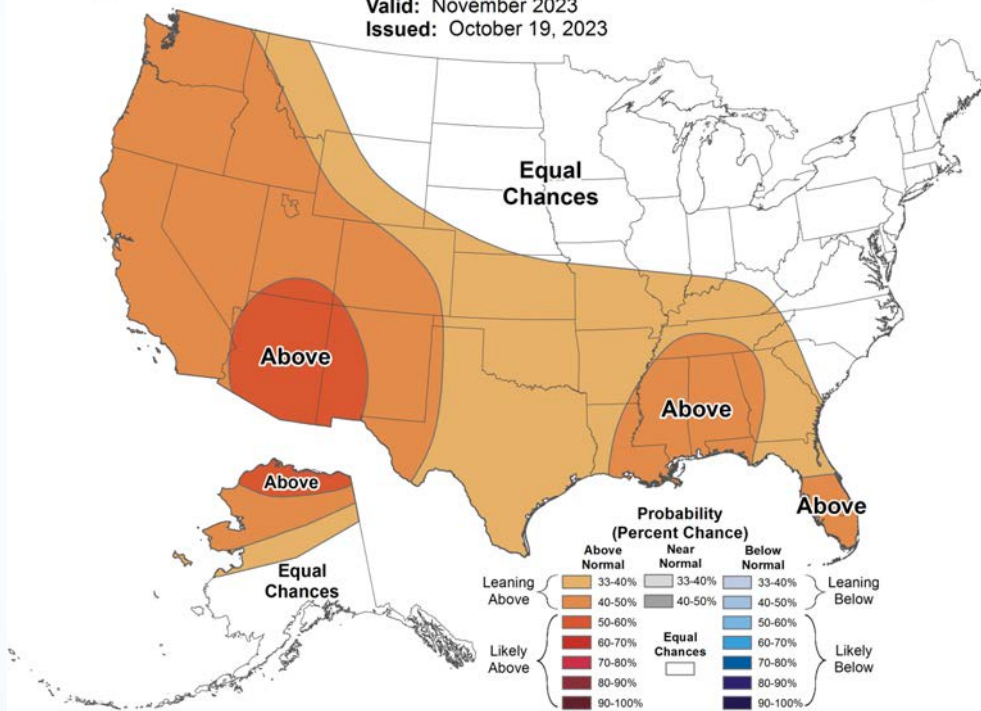
Monthly Outlooks



Monthly Temperature Outlook



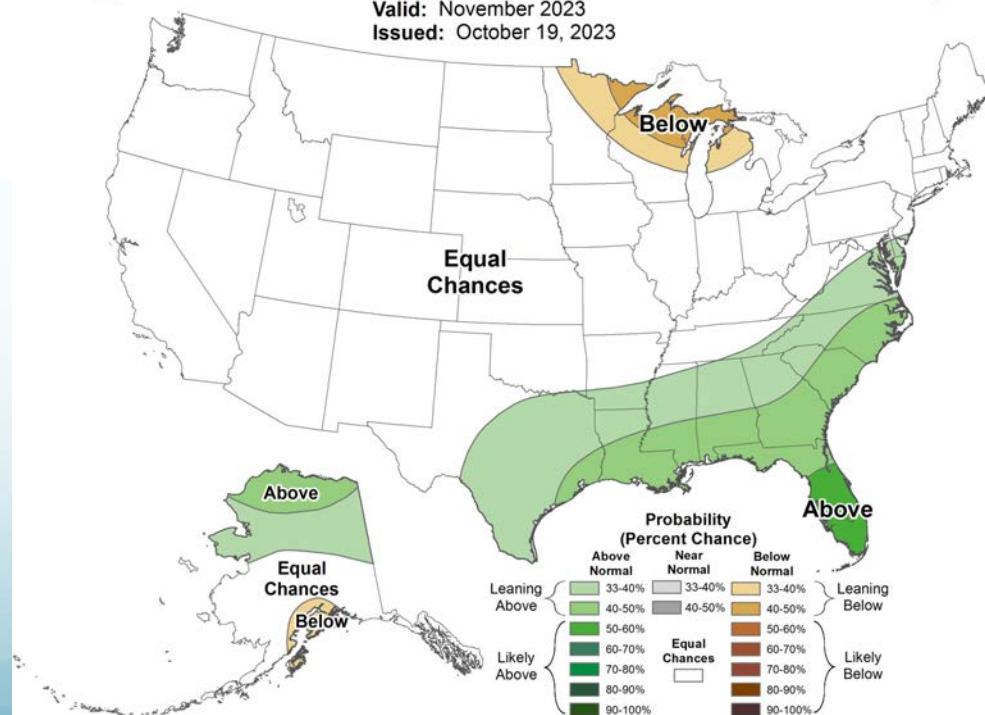
Valid: November 2023
Issued: October 19, 2023



Monthly Precipitation Outlook



Valid: November 2023
Issued: October 19, 2023



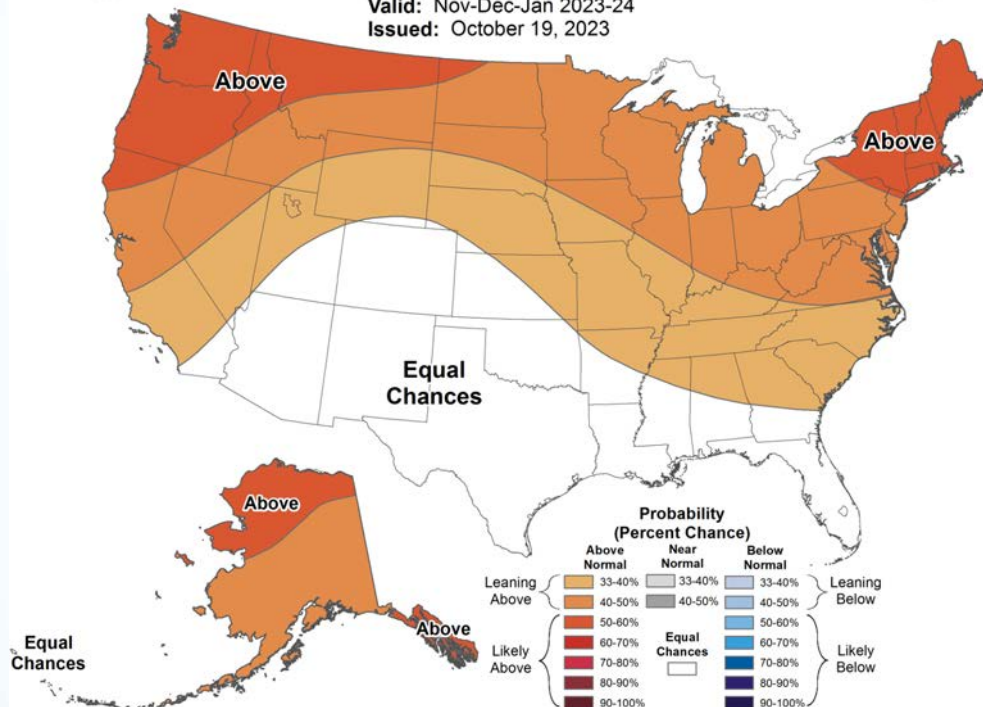
Seasonal Outlooks



Seasonal Temperature Outlook



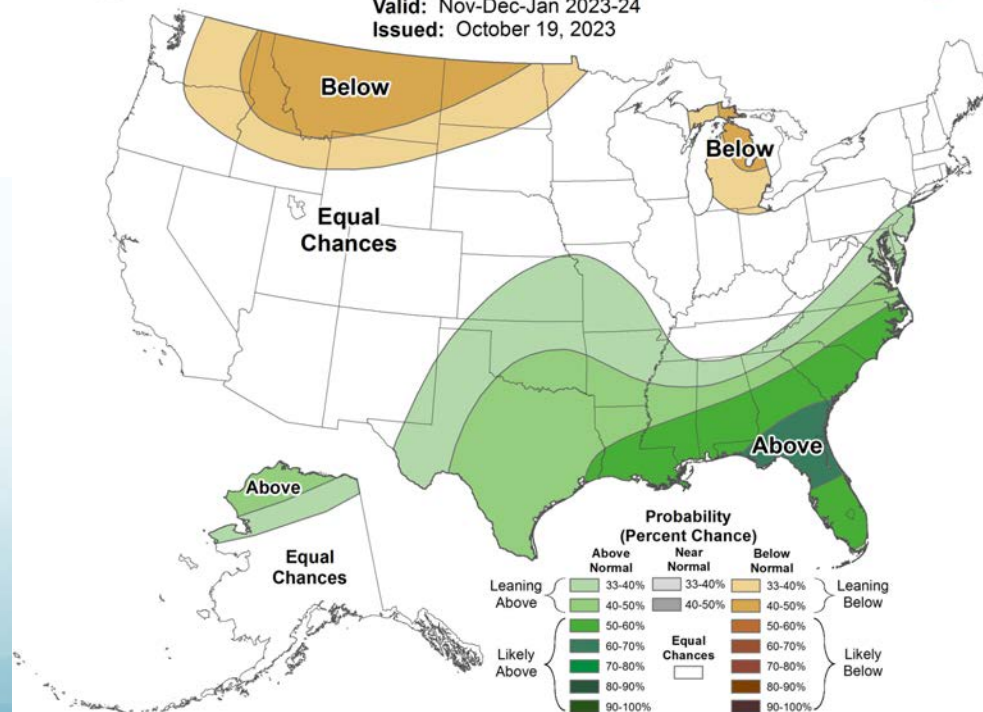
Valid: Nov-Dec-Jan 2023-24
 Issued: October 19, 2023



Seasonal Precipitation Outlook



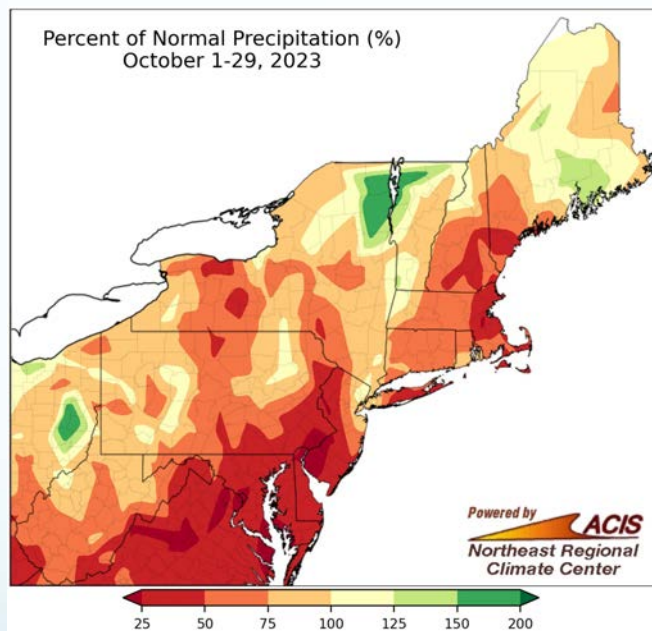
Valid: Nov-Dec-Jan 2023-24
 Issued: October 19, 2023



Summary

October-to-date conditions:

- Above-normal temperatures across the Northeast
- Below-normal precipitation for most areas



Drought:

- Drought and dryness persisted or expanded in some areas due to dry conditions this month

Outlooks:

- Short-term: Above-normal precipitation and below- or near-normal temperatures are generally favored
- Nov: Equal chances temperatures; wetter in Mid-Atlantic coastal areas
- Nov-Jan: Above-normal temperatures favored for all; wetter in Mid-Atlantic coastal areas



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Autumn ACIS Fridays 1-2pm EDT
 - LAST ONE - Nov. 3
 - Recordings available here:
https://www.nrcc.cornell.edu/workshops/acis_training/acis_training.html
- Thursday, November 30 at 9:30am EST
 - ENSO and the Winter Outlook
- Thursday, December 14 at 9:30am EST
 - National Climate Assessment 5
- Tuesday, January 30 at 9:30am EST
 - TBD
- Thursday, February 29 at 9:30am EST
 - Coastal Inundation and High Tide Flooding



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