

November Recap & Northeast DEWS Discussion

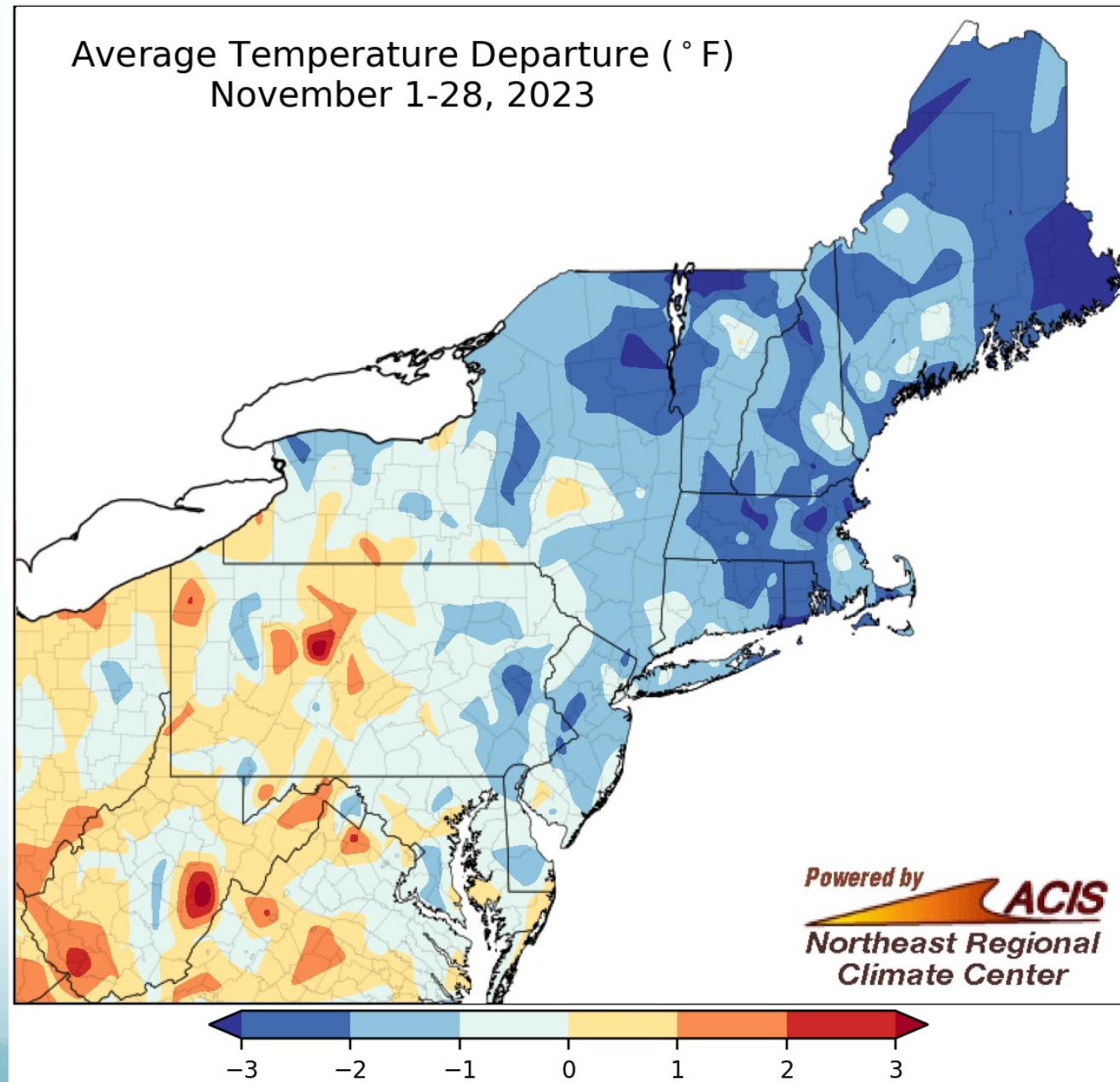
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center

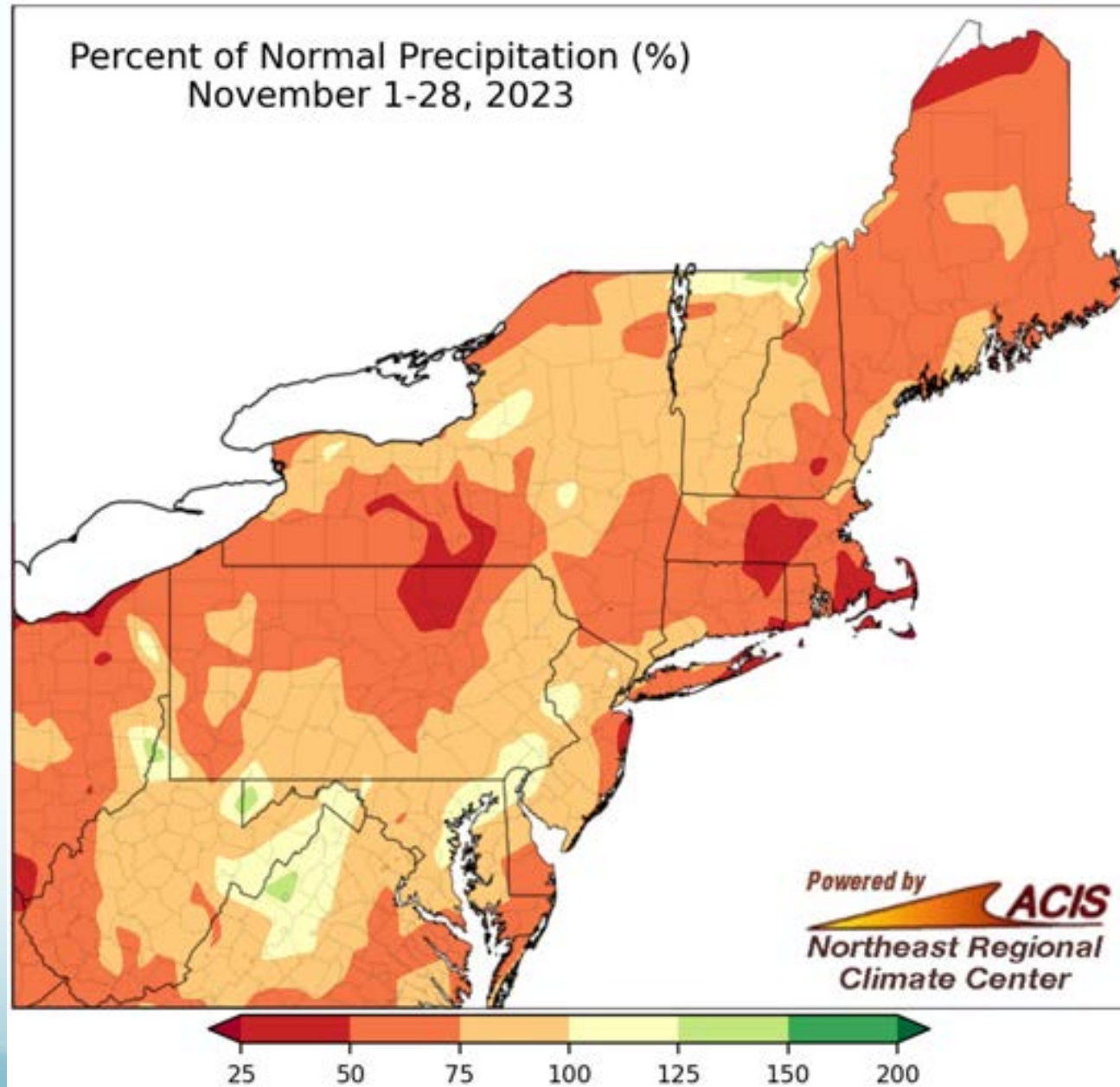


November Temperatures



From more than 3°F below normal to 3°F above normal

November Precipitation

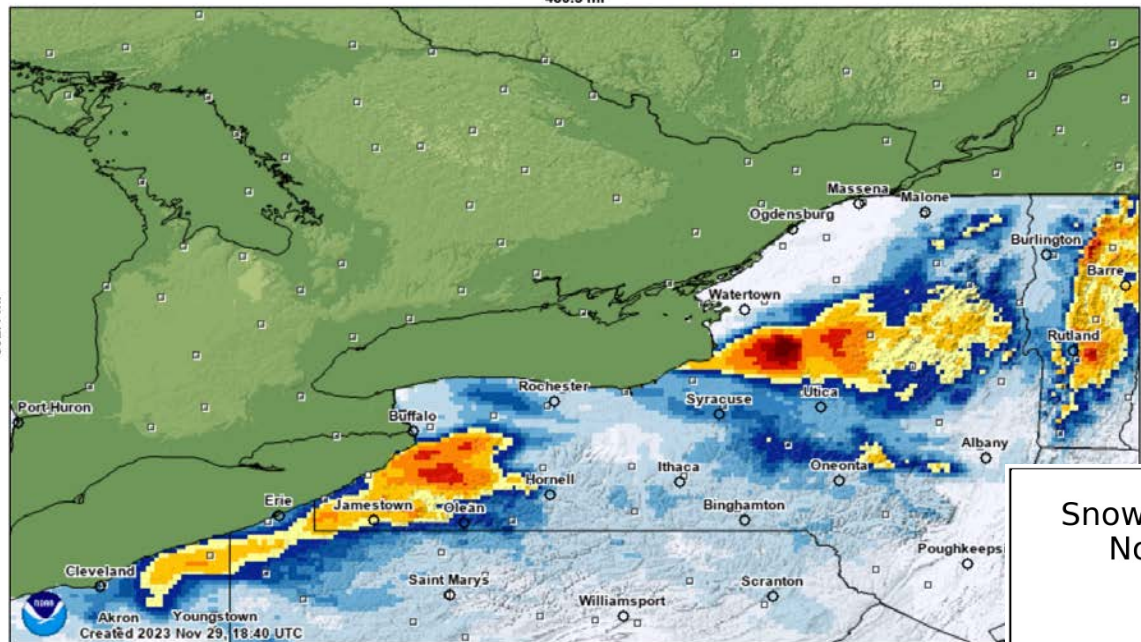


From 25% of normal to 150% of normal

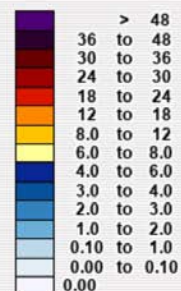


National Gridded Snowfall Analysis during 48h preceding 2023 November 29, 0:00 UTC

480.3 mi

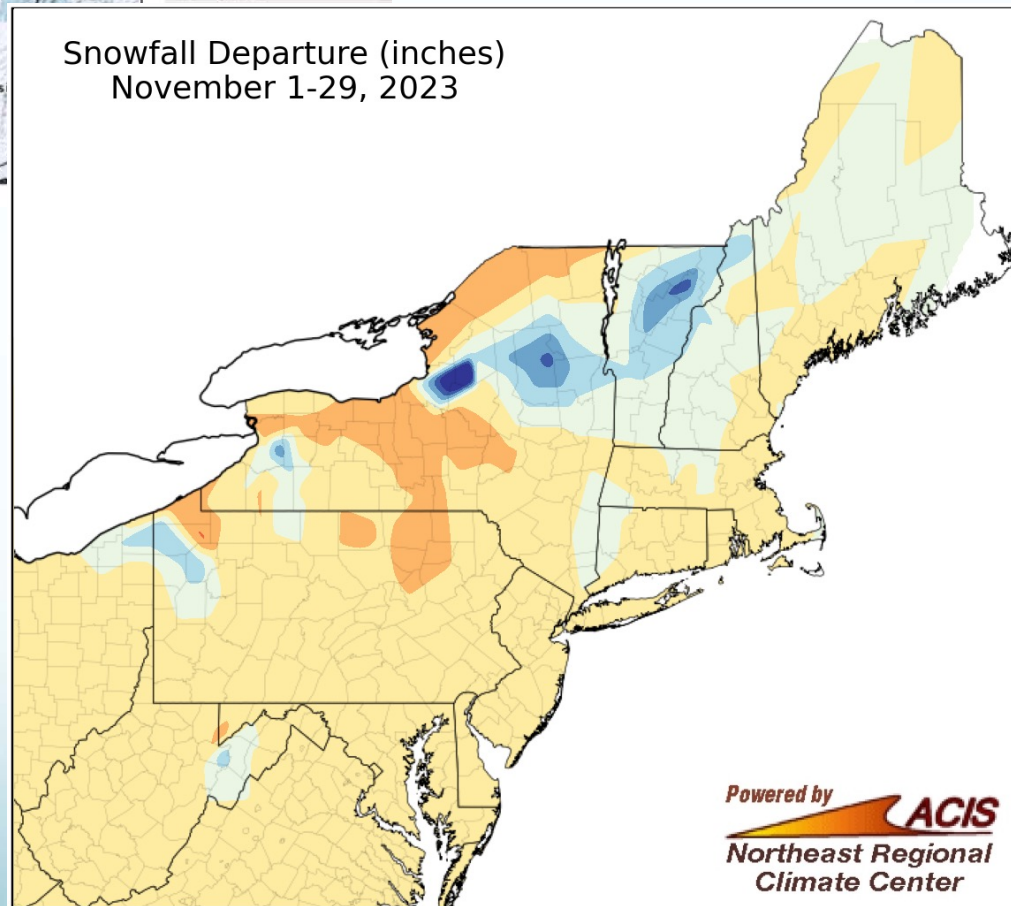


Inches of depth

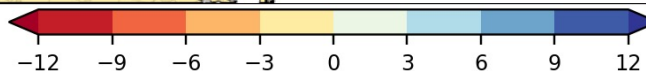


November Snowfall

Snowfall Departure (inches) November 1-29, 2023



Powered by
ACIS
Northeast Regional
Climate Center



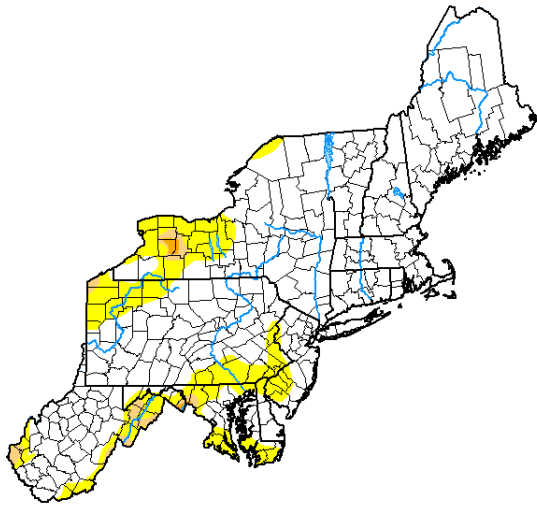
...Lewis County...

Highmarket 2W	42.7 in	0545 AM 11/29	COOP
2 NNW Osceola	33.0 in	0900 AM 11/29	Public
Constableville 1.2 NW	30.0 in	0600 AM 11/29	COCORAHS
3 NNW Osceola	20.1 in	1250 PM 11/28	Trained Spotter
Constableville	18.0 in	1247 PM 11/28	Public
Chases Lake	15.3 in	0600 AM 11/29	COOP
Glenfield	15.0 in	0330 PM 11/28	Public
Glenfield 4.1 NNE	13.0 in	0800 AM 11/29	COCORAHS
Lyons Falls	12.5 in	0730 AM 11/28	Public
Lowville	8.0 in	0700 AM 11/28	COOP



Drought Monitor

U.S. Drought Monitor Northeast



October 31, 2023
(Released Thursday, Nov. 2, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	82.70	15.28	1.75	0.27	0.00	0.00
Last Week 10-24-2023	83.24	14.73	1.76	0.27	0.00	0.00
3 Months Ago 08-01-2023	85.77	10.68	2.96	0.59	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 09-26-2022	88.48	10.08	1.36	0.08	0.00	0.00
One Year Ago 11-01-2022	79.09	18.75	1.78	0.37	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>

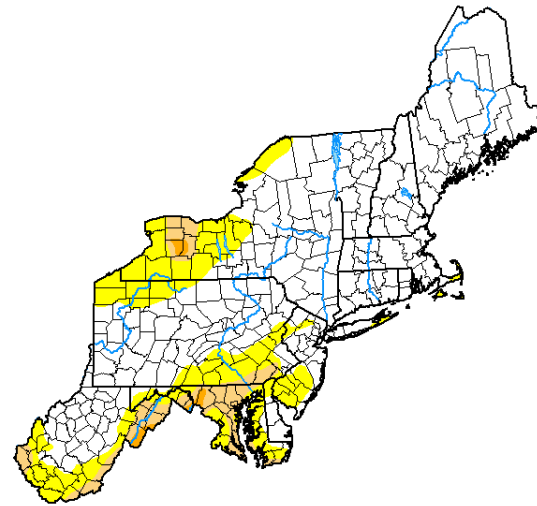
Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast



November 28, 2023
(Released Thursday, Nov. 30, 2023)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	74.36	19.18	5.76	0.71	0.00	0.00
Last Week 11-21-2023	72.02	20.39	6.87	0.71	0.00	0.00
3 Months Ago 08-29-2023	91.45	6.27	2.26	0.02	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 09-26-2022	88.48	10.08	1.36	0.08	0.00	0.00
One Year Ago 11-29-2022	89.43	8.52	1.93	0.13	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:

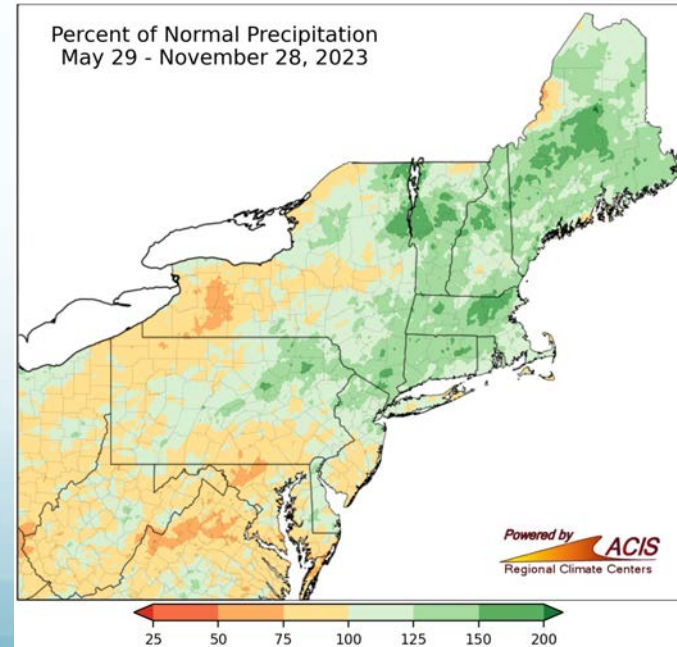
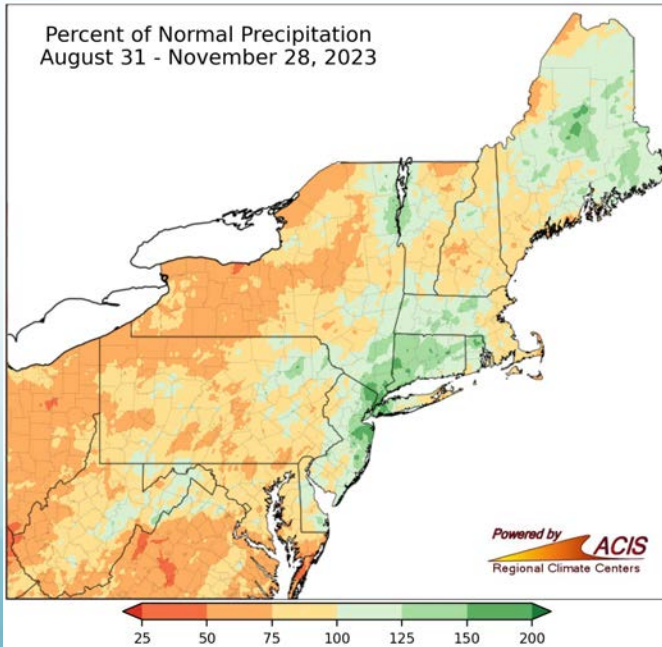
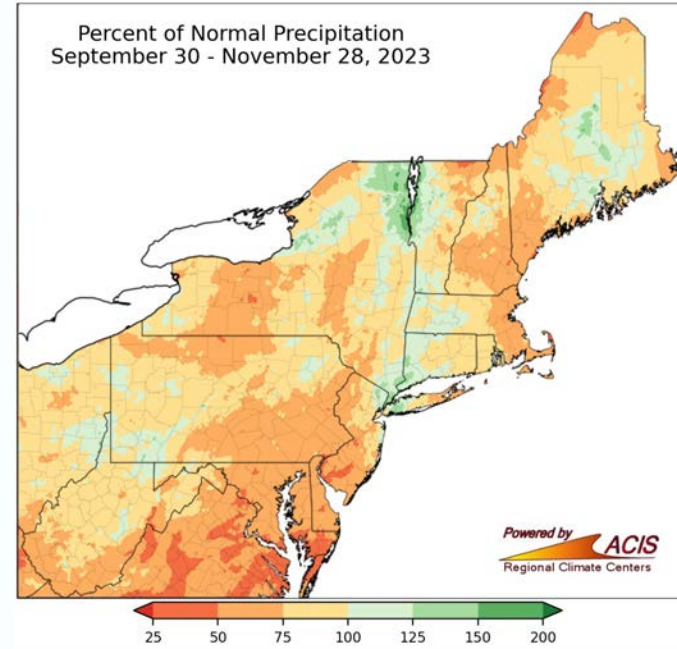
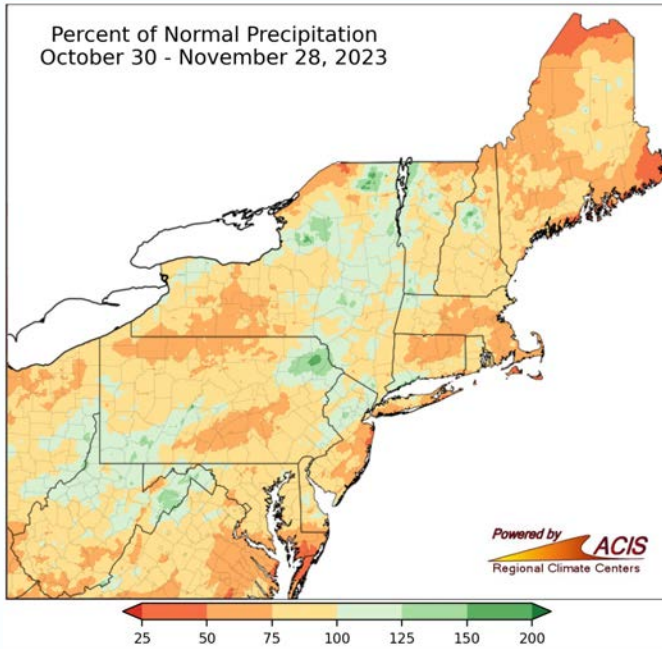
David Simerali
Western Regional Climate Center



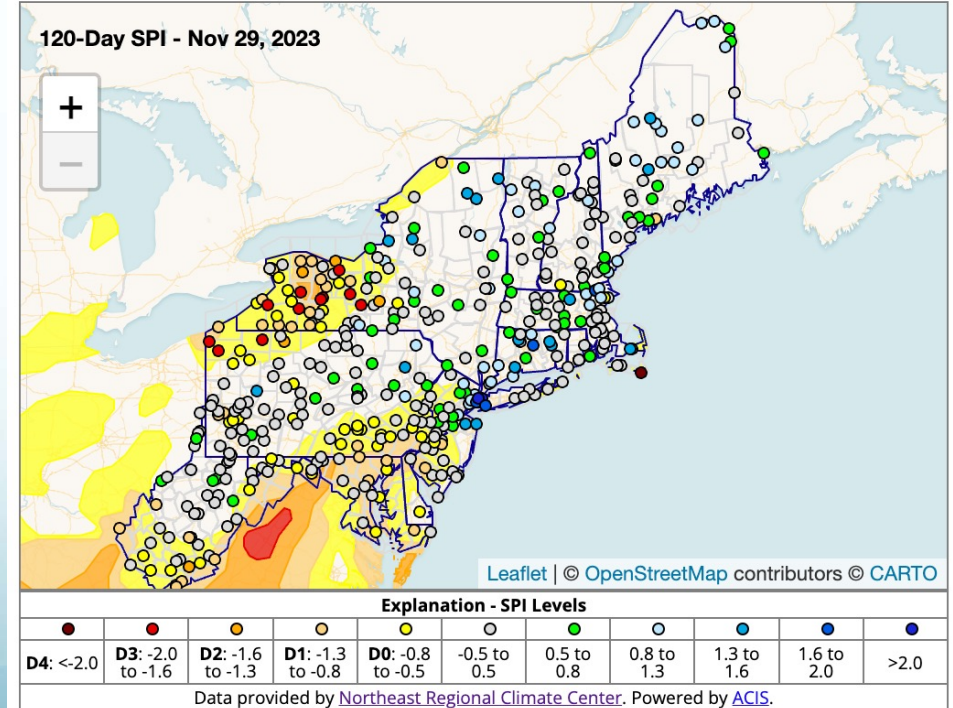
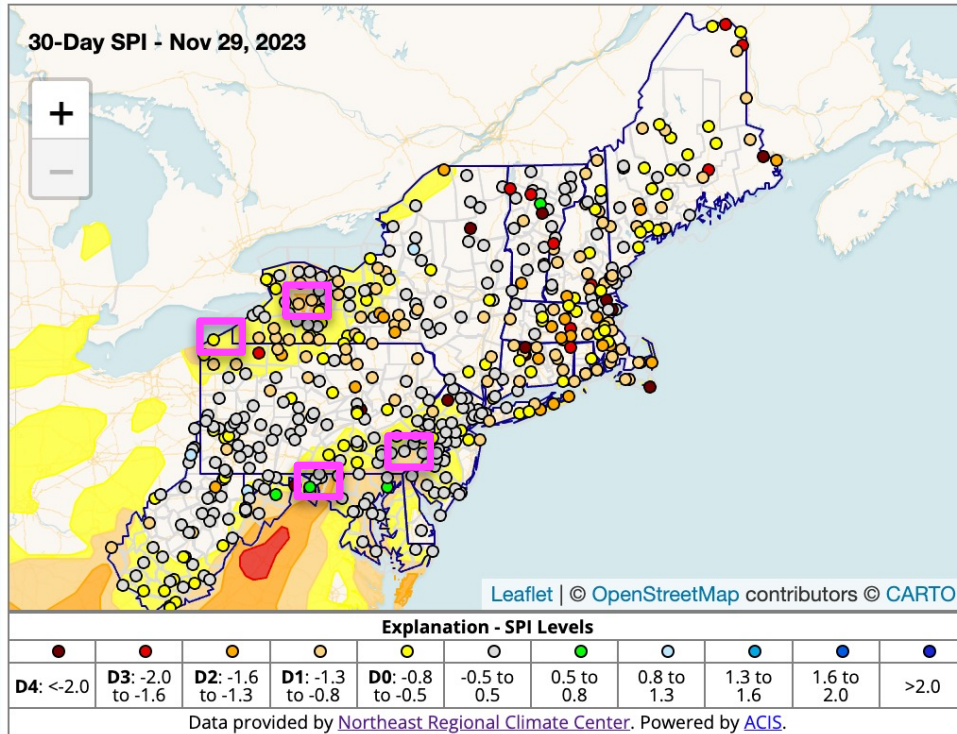
droughtmonitor.unl.edu



Precipitation



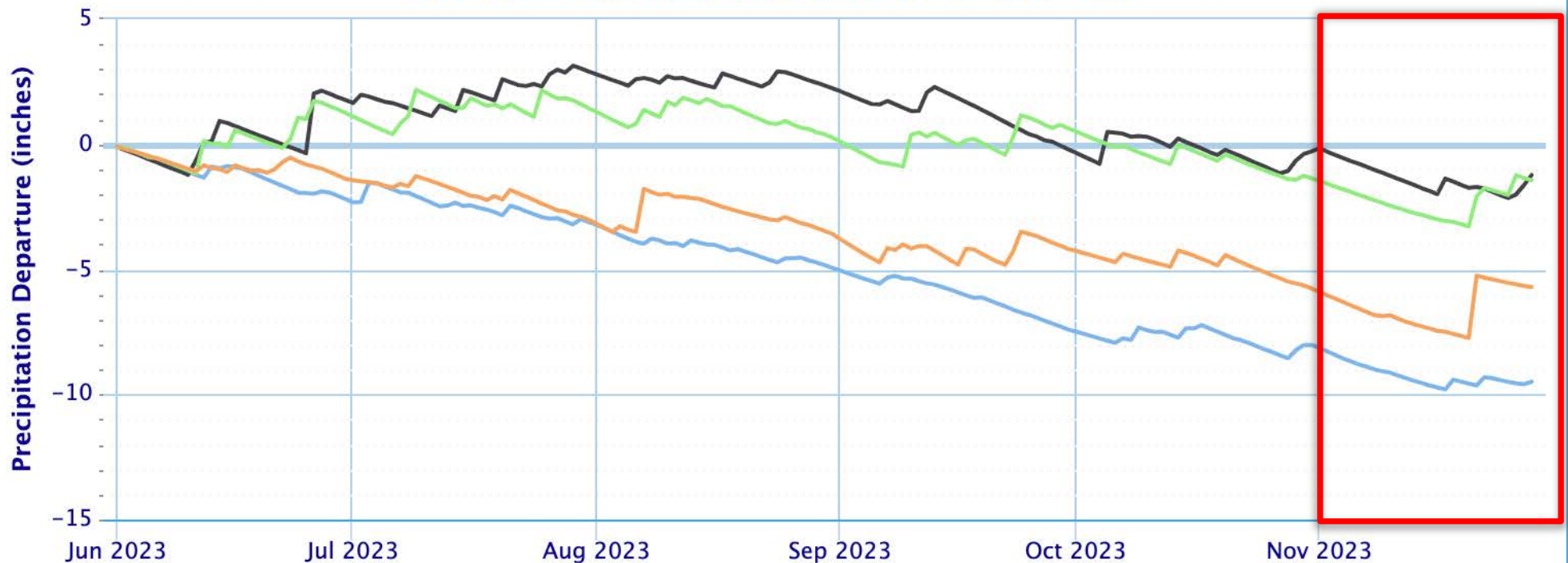
Standardized Precipitation Index



Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

— SILVER SPRINGS 3N, NY:Precip Dprt
— HAGERSTOWN 1 E, MD:Precip Dprt

— Erie Area, PA (ThreadEx):Precip Dprt

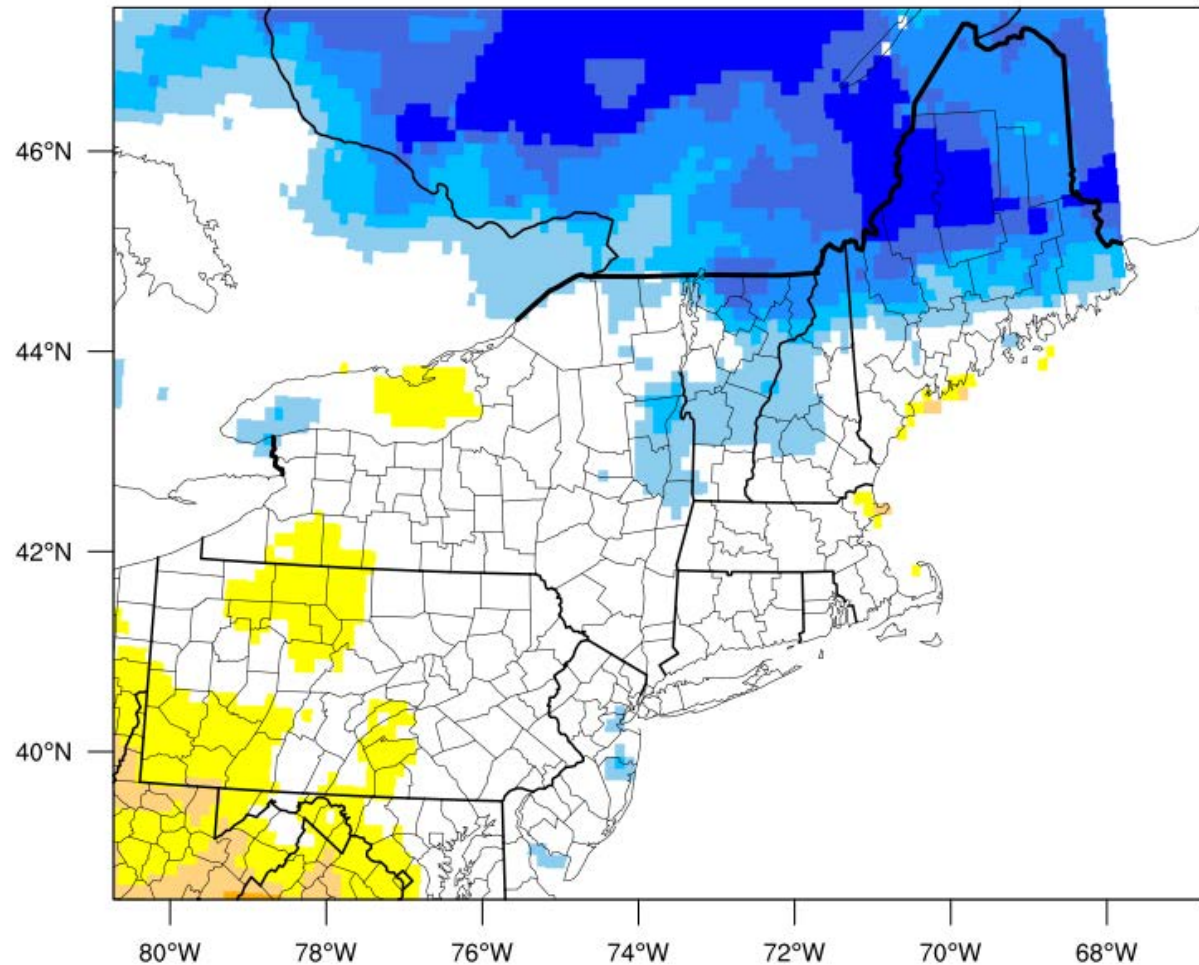
— HERITAGE FIELD AIRPORT, PA:Precip Dprt

Powered by ACIS



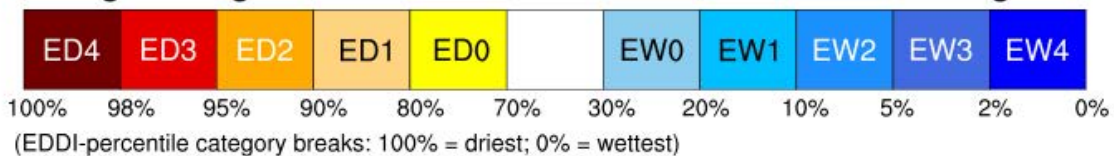
Evap. Demand Drought Index

3-week EDDI categories for November 24, 2023



Drought categories

Wetness categories

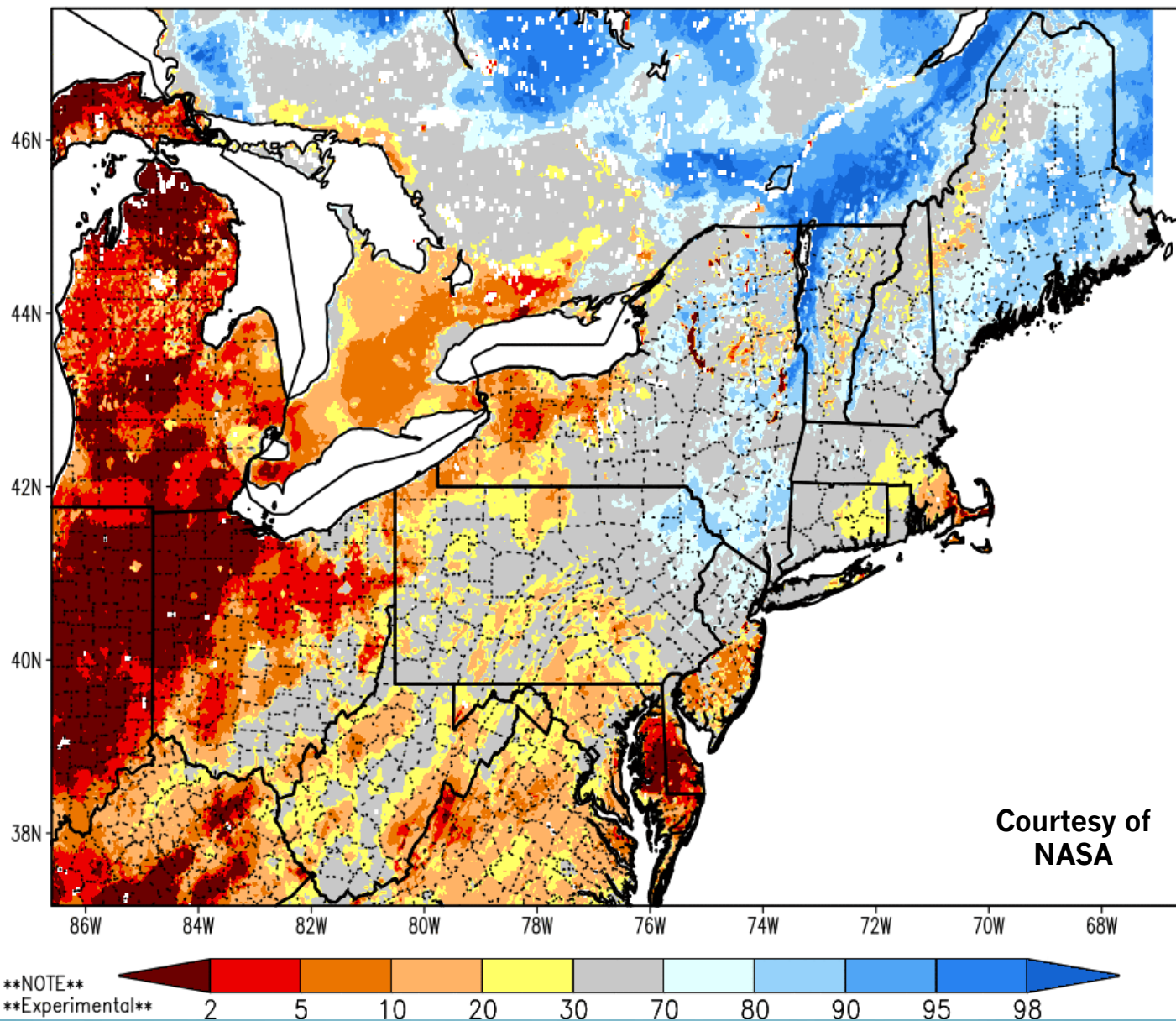


Generated by NOAA/ESRL/Physical Sciences Laboratory

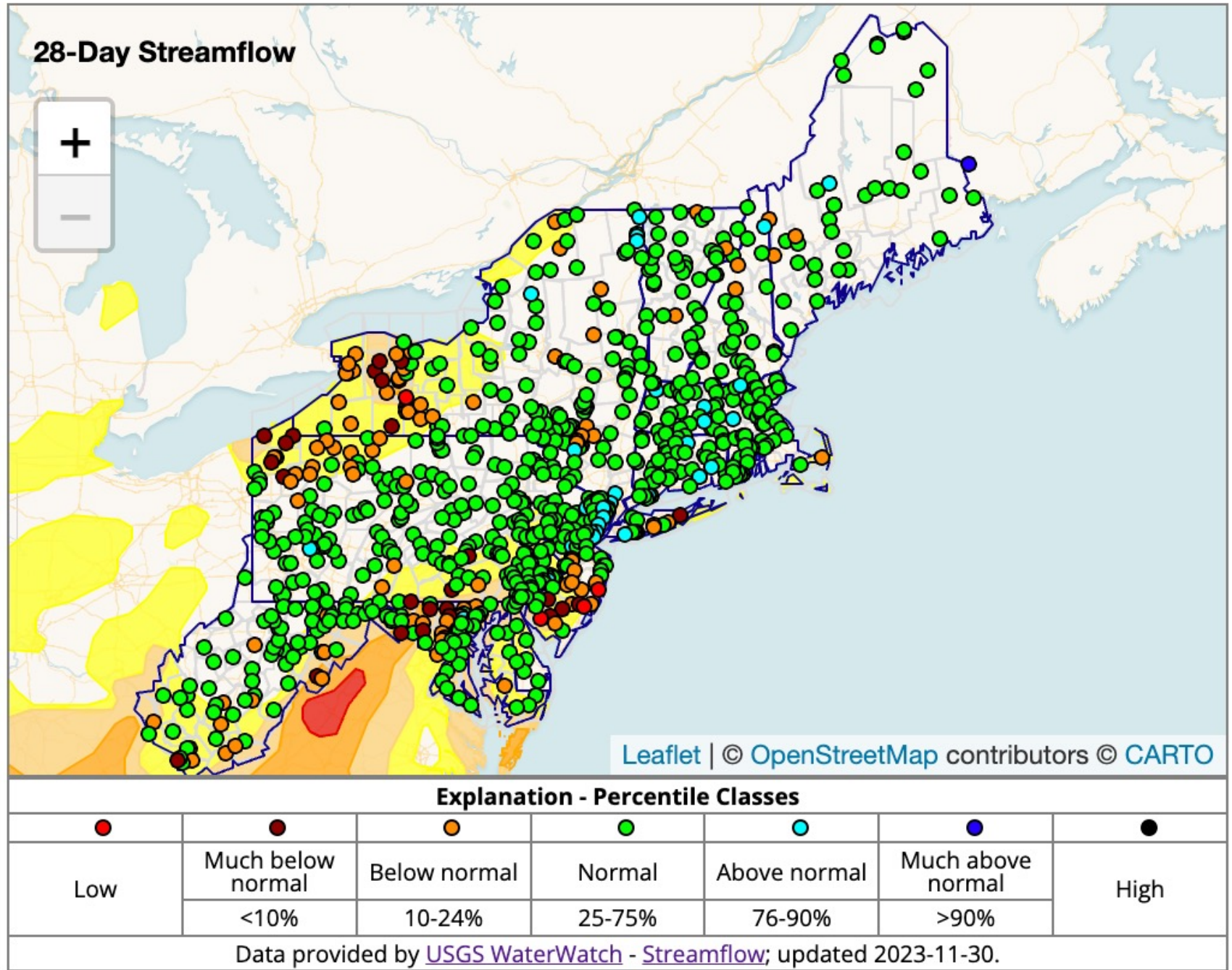


Soil Moisture

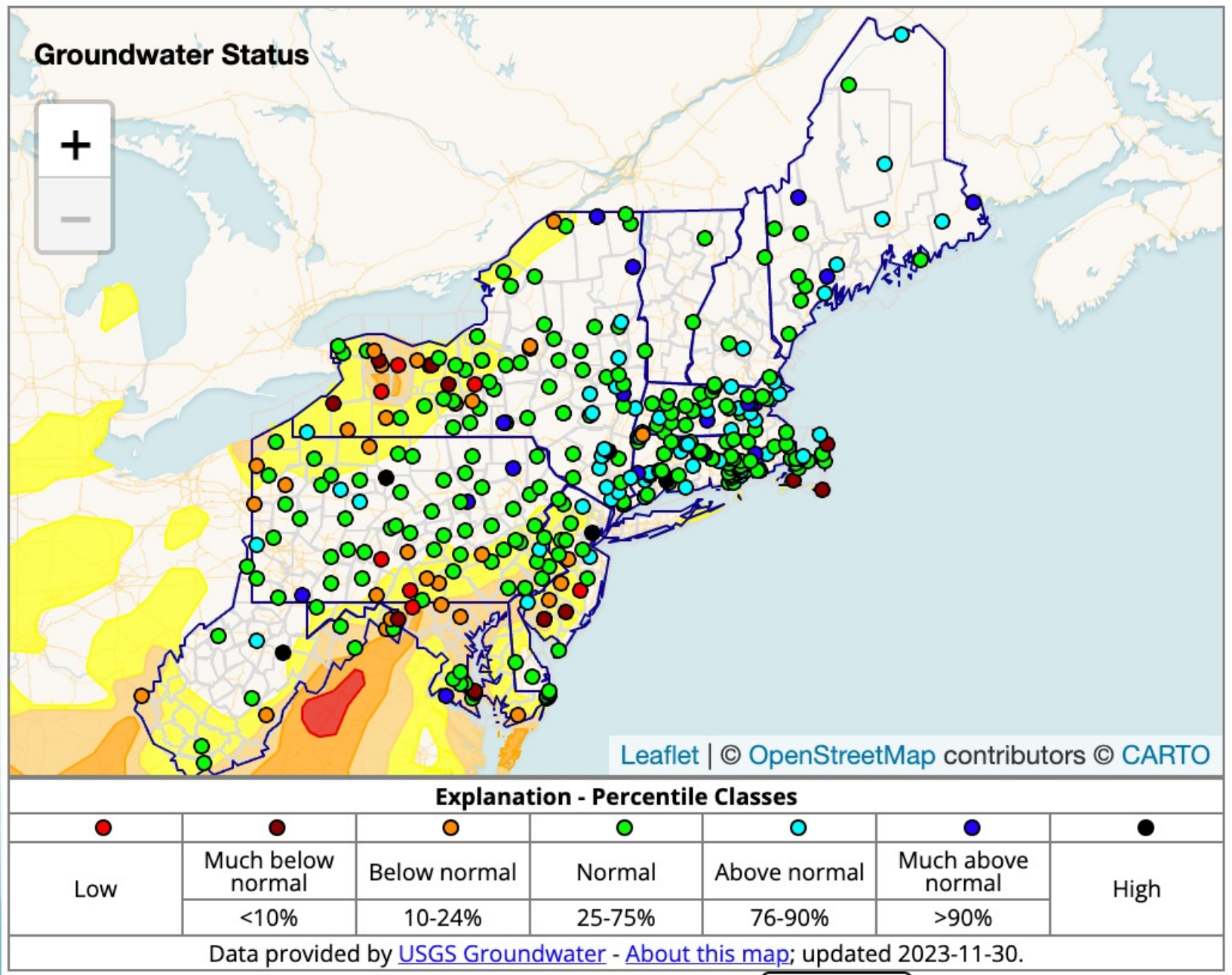
SPoRT-LIS 0–100 cm Soil Moisture percentile valid 30 Nov 2023



Streamflow

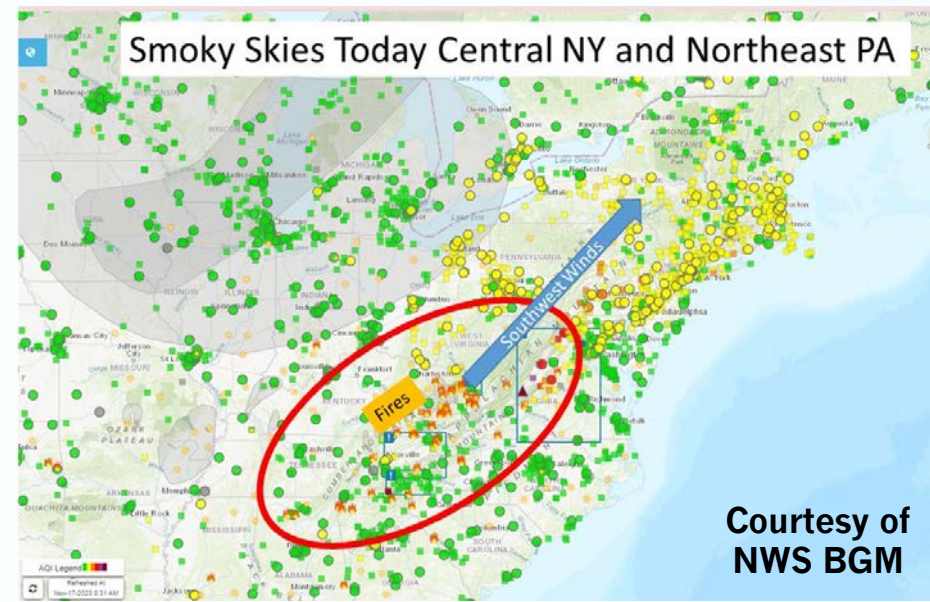
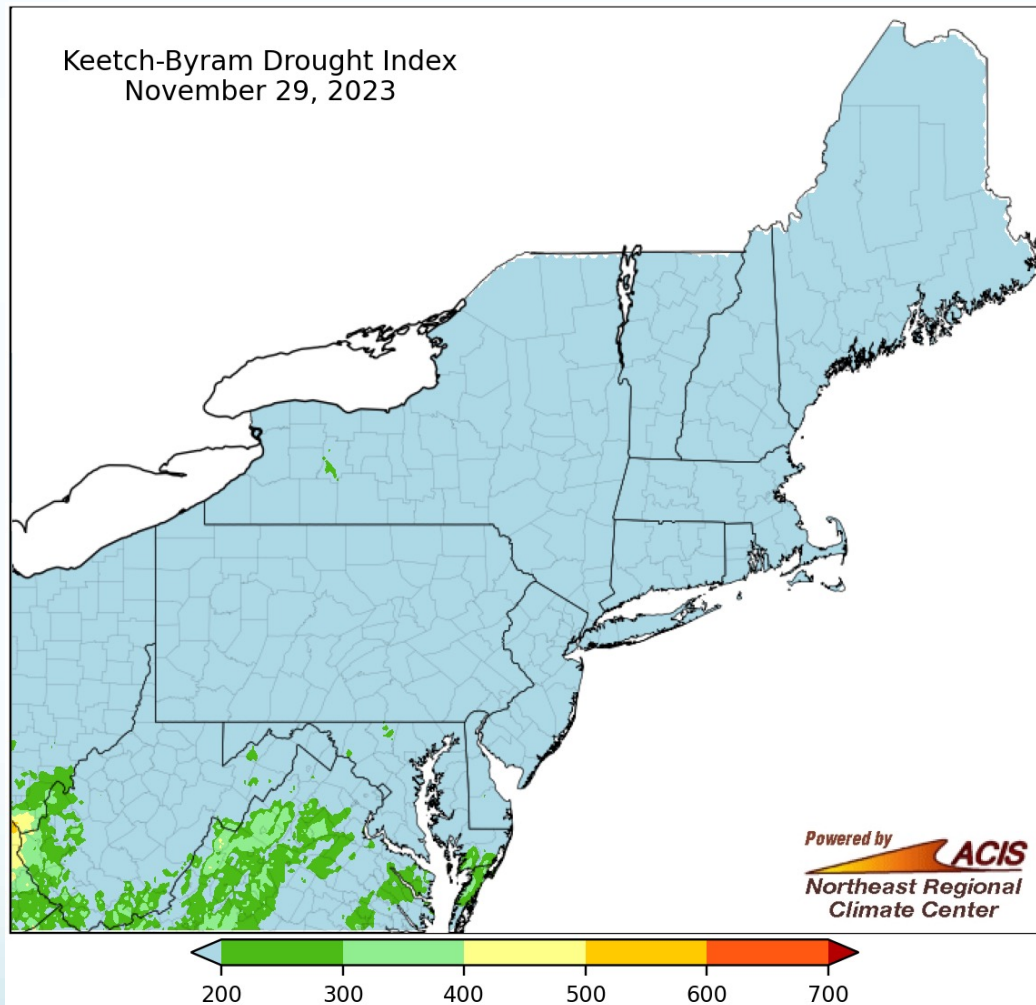


Groundwater



Wildfire Risk

Keetch-Byram Drought Index
November 29, 2023



HAZY SKIES & POOR AIR QUALITY: Through Friday

Air Quality and Health

Exposure to air pollutants such as particulate matter and ground-level ozone can cause:

- Headaches
- Difficulty breathing
- Irritated eyes, sinuses
- Chest pains, asthma attacks
- Fatigue
- Irritated throat, increased coughing

Poor air quality can be hazardous to anyone, and it can aggravate health problems such as asthma, heart disease, and lung disease. Seniors, children and those with compromised immune systems are especially at risk.

Air quality info can be found at airnow.gov or locally:

West Virginia:
<https://dep.wv.gov/daq/air-monitoring/pages/airqualityindex.aspx>

Virginia:
<https://www.deq.virginia.gov/our-programs/air/monitoring-assessments/air-quality-forecast>

Maryland:
<https://mde.maryland.gov/programs/Air/AirQualityMonitoring/Pages/index.aspx>

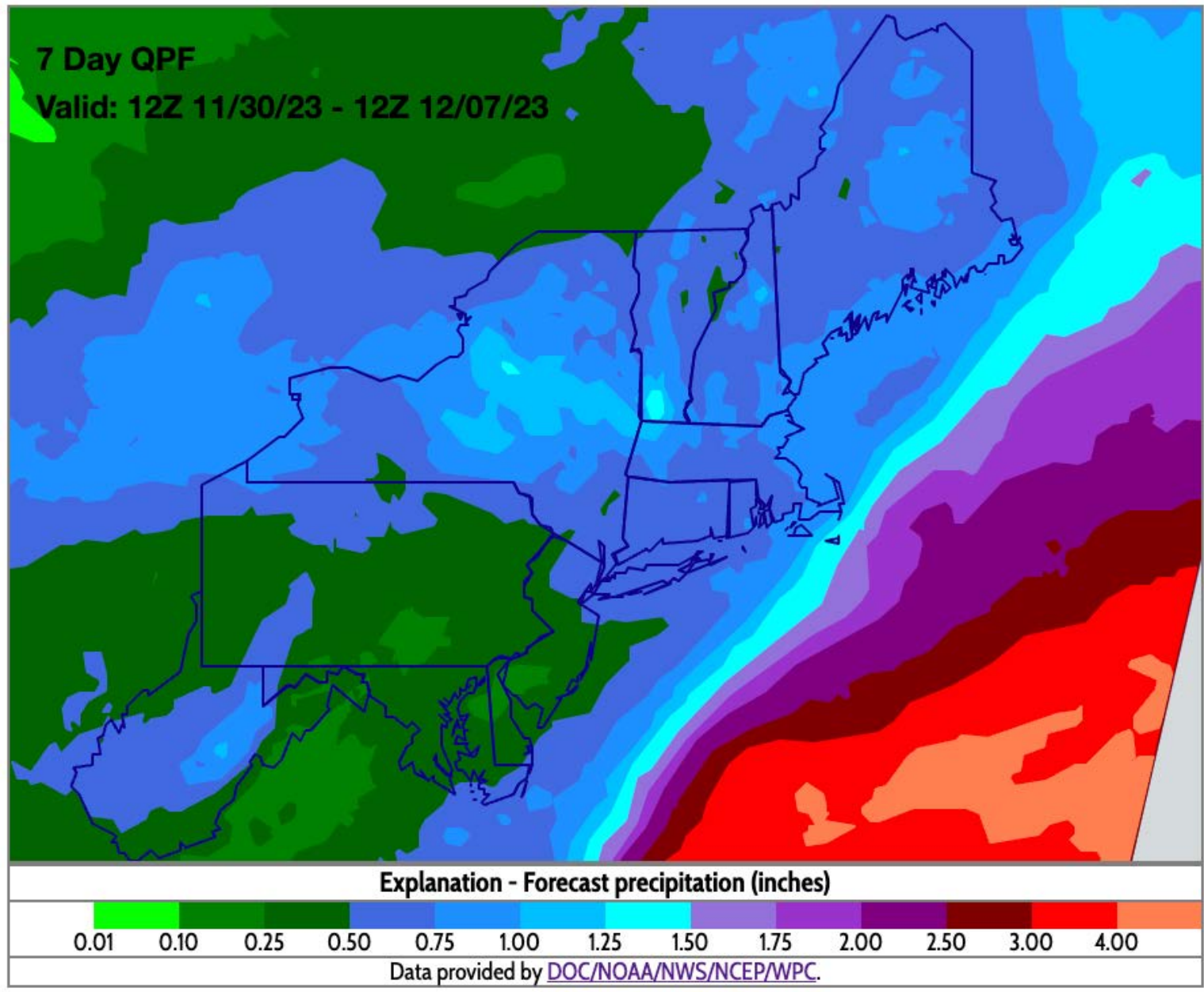


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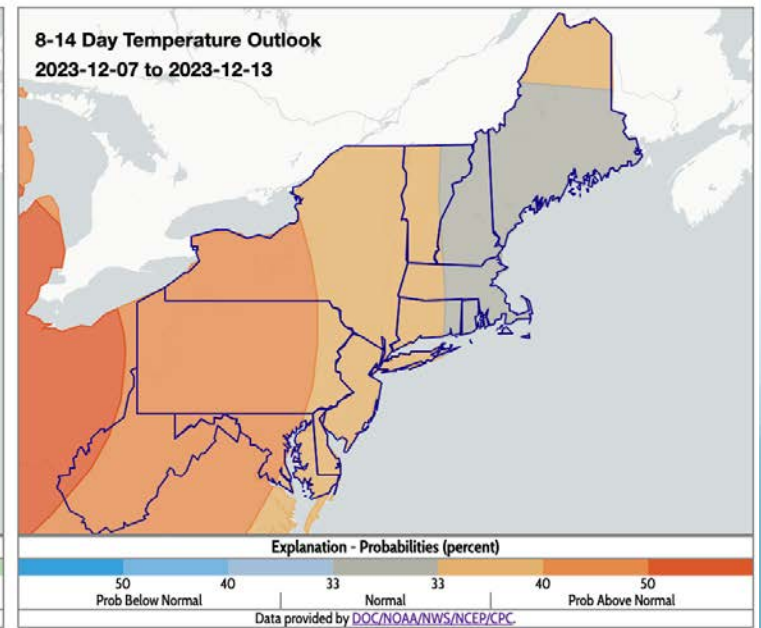
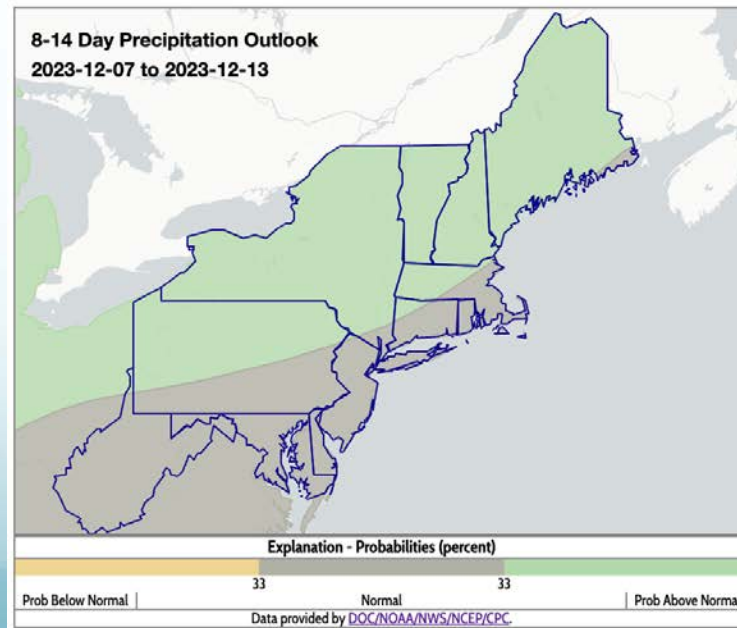
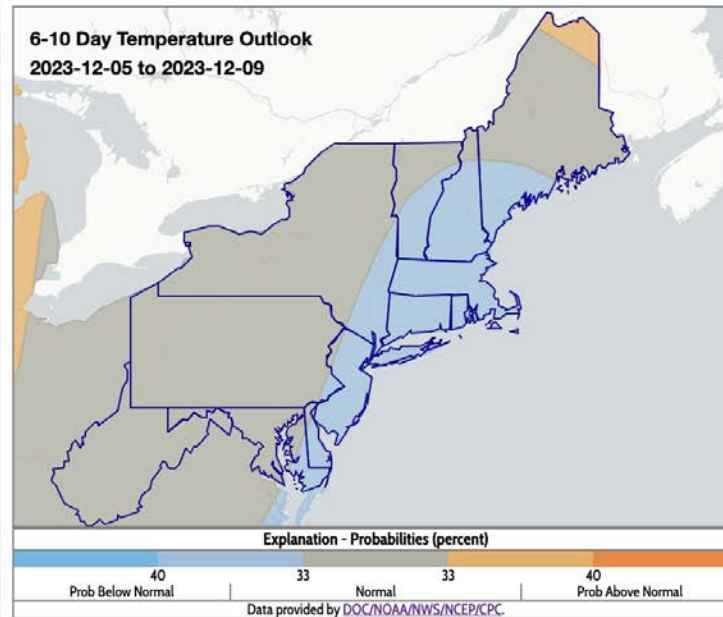
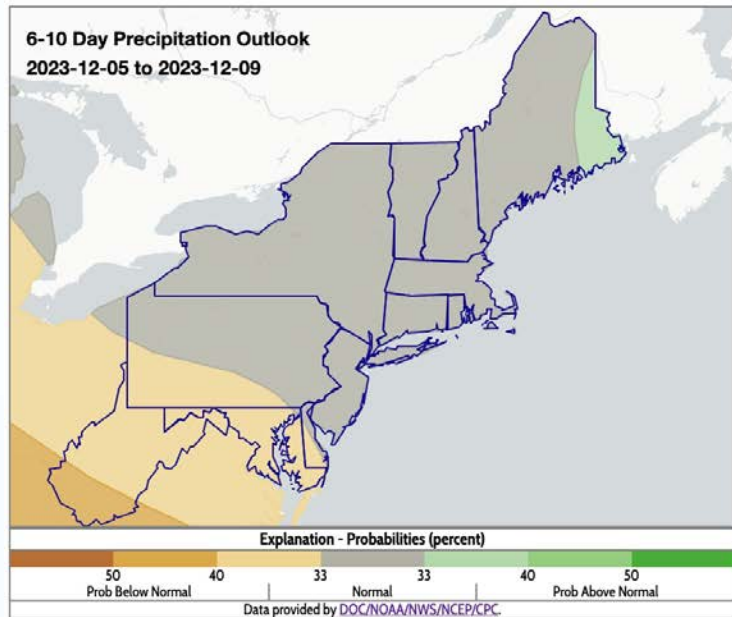
NATIONAL WEATHER SERVICE
Weather Forecast Office • Baltimore-Washington DC

weather.gov/lux

Precipitation Forecast



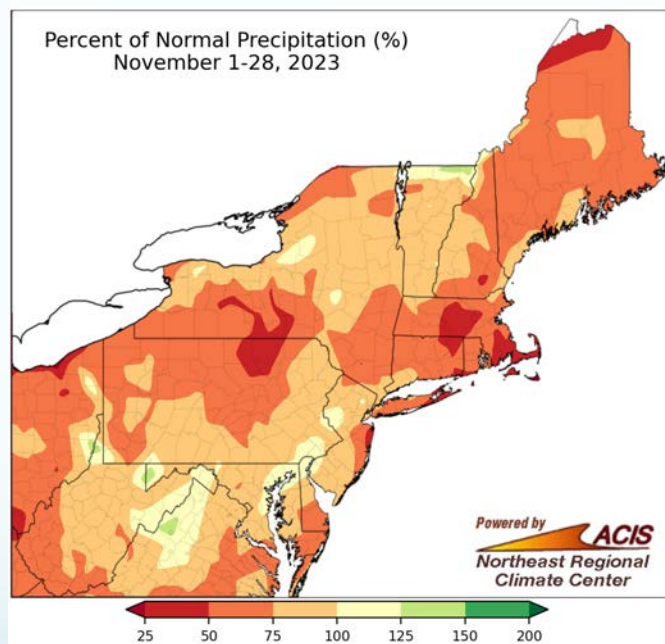
Short-term Outlooks



Summary

November-to-date conditions:

- Below or near-normal temperatures for many areas
- Below-normal precipitation for most of the region



Drought:

- Below-normal precipitation generally allowed drought and dryness to persist or expand

Outlooks:

- Short-term: Below- or near-normal precipitation and temperatures favored for 6-10 day; Near- or above-normal precipitation and temperatures favored for 8-14 day
- Dec: Updated outlook released later this morning!
- Dec-Feb: Michelle will discuss!



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- 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

El Niño Resource

- <https://elnino.nrcc.cornell.edu>

www.nrcc.cornell.edu

