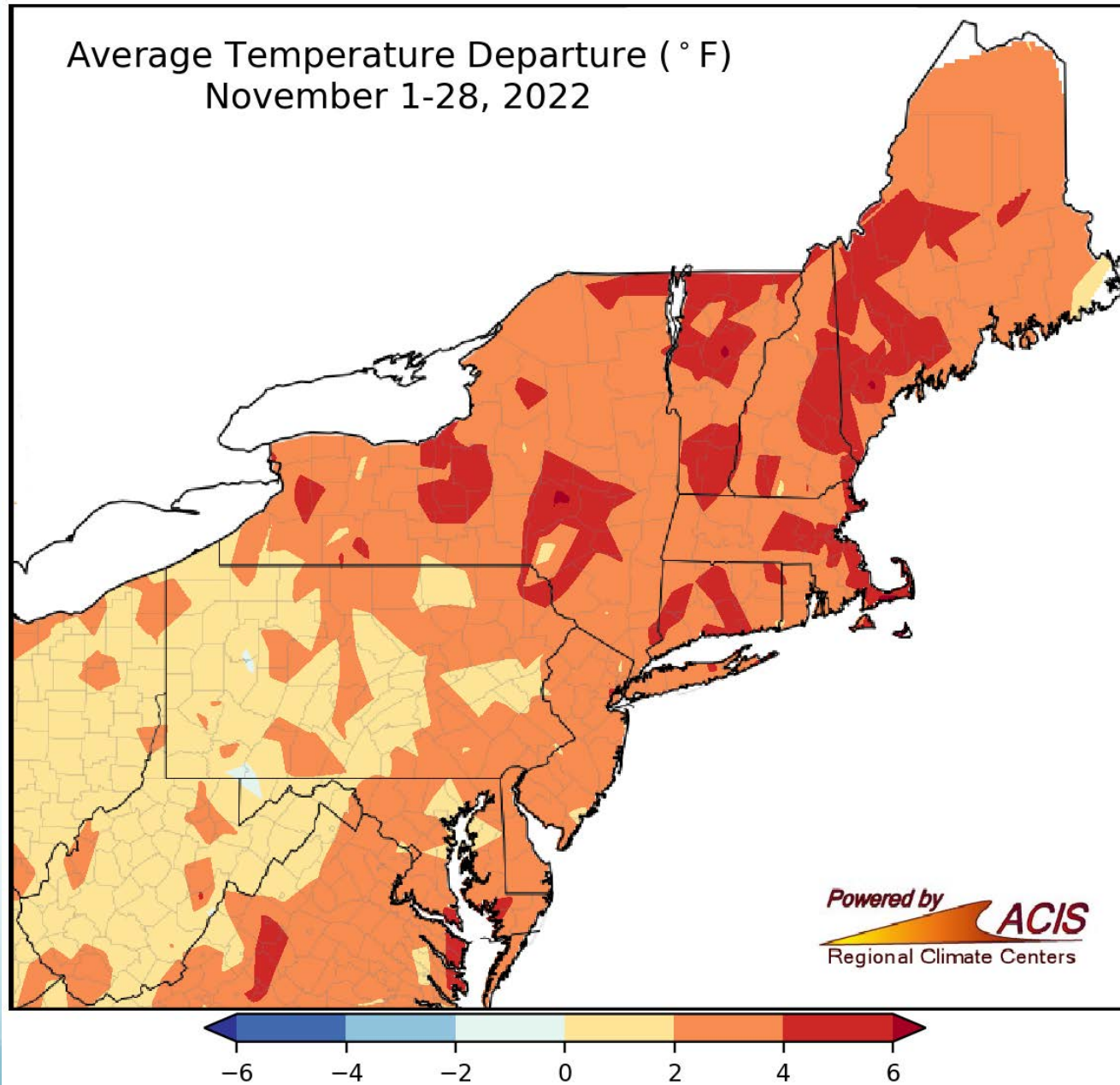


# November Conditions & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center



# November Temperatures



From near normal to 6°F above normal



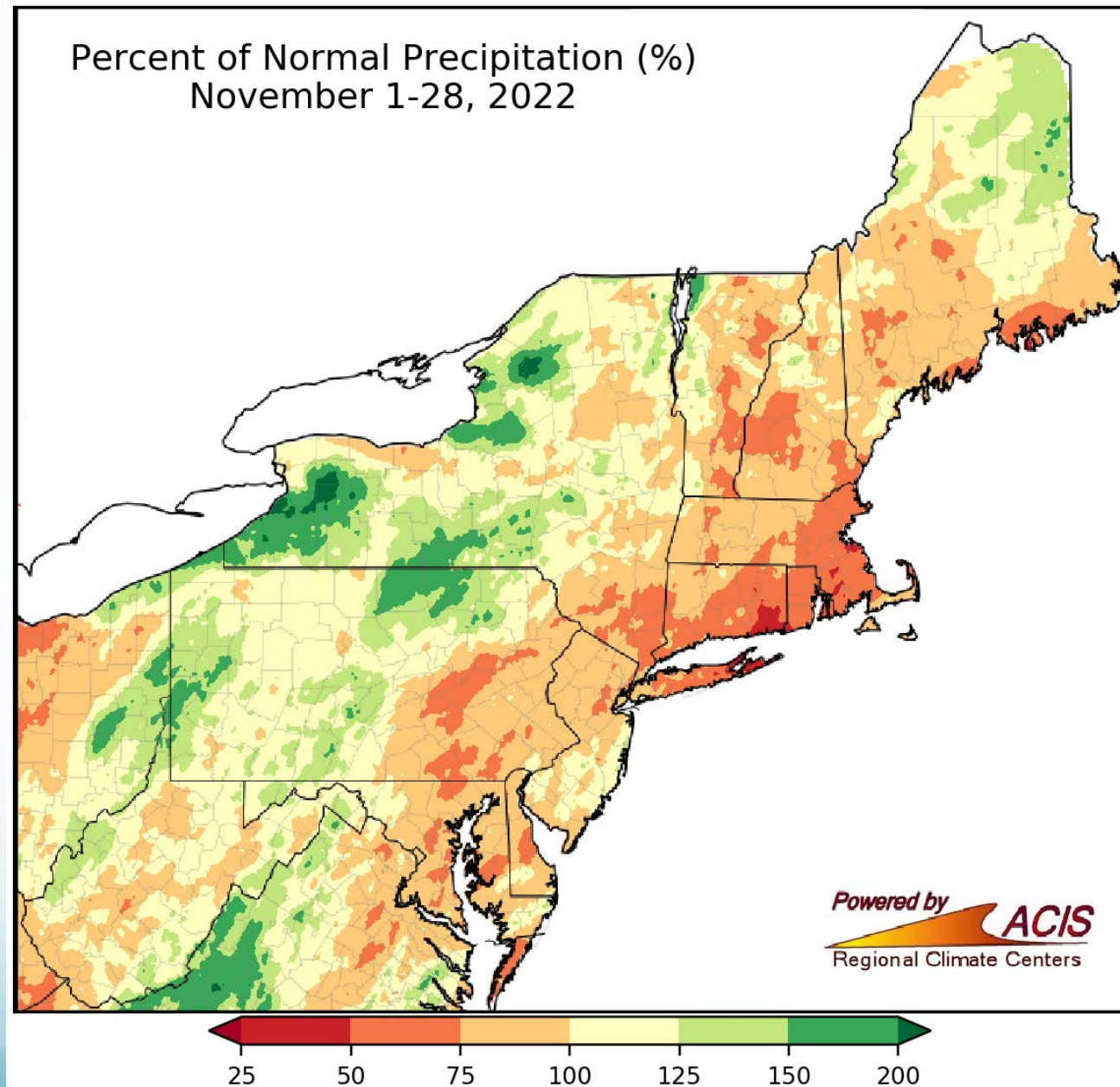
# November Temperatures

<i>Daily Maximum Temperature Records (°F)</i>			
Station	Date	Max Temp (°F)	Nov. Rank (warmest)
Albany, NY	5	76	5
Atlantic City, NJ	7	81	2
Baltimore, MD	7	81	8
Beckley, WV	6	79	3
Boston, MA	2	77	5
Bridgeport, CT	2	72	9
Bridgeport, CT	5	73	8
Bridgeport, CT	6	72	9
Bridgeport, CT	7	79	1
Buffalo, NY	4	74	8
Buffalo, NY	5	79	2
Buffalo, NY	6	74	8
Burlington, VT	5	74	4
Burlington, VT	6	76	1
Caribou, ME	4	67	7
Caribou, ME	5	73	2
Caribou, ME	6	71	3
Concord, NH	5	78	3
Dulles Airport, VA	5	81	5
Elkins, WV	6	81	3
Erie, PA	5	78	5
Hartford, CT	5	78	5
Hartford, CT	7	78	5
Islip, NY	6	74	10
Islip, NY	7	80	1
Kennedy Airport, NY	7	80	1
LaGuardia Airport, NY	7	78	6
Newark, NJ	5	79	9
Newark, NJ	7	81	3
Pittsburgh, PA	5	79	5
Portland, ME	5	75	1
Portland, ME	7	72	9
Providence, RI	7	79	2
Rochester, NY	5	77	6
Syracuse, NY	5	77	5
Syracuse, NY	6	80	2
Wilmington, DE	7	80	4

<i>Daily High Minimum Temperature Records (°F)</i>			
Station	Date	Min Temp (°F)	Nov. Rank (warmest)
Albany, NY	5	61	4
Albany, NY	6	67	1
Allentown, PA	6	66	1
Atlantic City, NJ	5	62	10
Atlantic City, NJ	6	65	2
Baltimore, MD	6	64	4
Beckley, WV	5	60	5
Beckley, WV	6	61	3
Binghamton, NY	5	57	6
Binghamton, NY	6	63	1
Boston, MA	6	65	1
Bridgeport, CT	6	62	3
Buffalo, NY	5	61	4
Burlington, VT	5	60	2
Burlington, VT	6	62	1
Caribou, ME	6	59	1
Central Park, NY	5	64	5
Central Park, NY	6	66	2
Concord, NH	6	62	1
Dulles Airport, VA	5	65	5
Dulles Airport, VA	6	66	2
Elkins, WV	5	64	1
Erie, PA	5	61	8
Harrisburg, PA	6	64	1
Hartford, CT	6	64	2
Huntington, WV	6	63	8
Islip, NY	5	62	4
Islip, NY	6	65	1
Kennedy Airport, NY	5	60	9
Kennedy Airport, NY	6	64	3
LaGuardia Airport, NY	5	63	4
LaGuardia Airport, NY	6	63	4
Newark, NJ	5	61	10
Newark, NJ	6	66	2
Philadelphia, PA	6	67	1
Portland, ME	5	55	3
Portland, ME	6	59	1
Providence, RI	6	64	2
Rochester, NY	5	62	1
Scranton, PA	5	63	2
Scranton, PA	6	65	1
Syracuse, NY	5	63	1
Washington, DC	6	66	4
Williamsport, PA	5	59	9
Williamsport, PA	6	67	1
Wilmington, DE	6	63	6
Worcester, MA	5	58	8
Worcester, MA	6	62	1



# November Precipitation



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



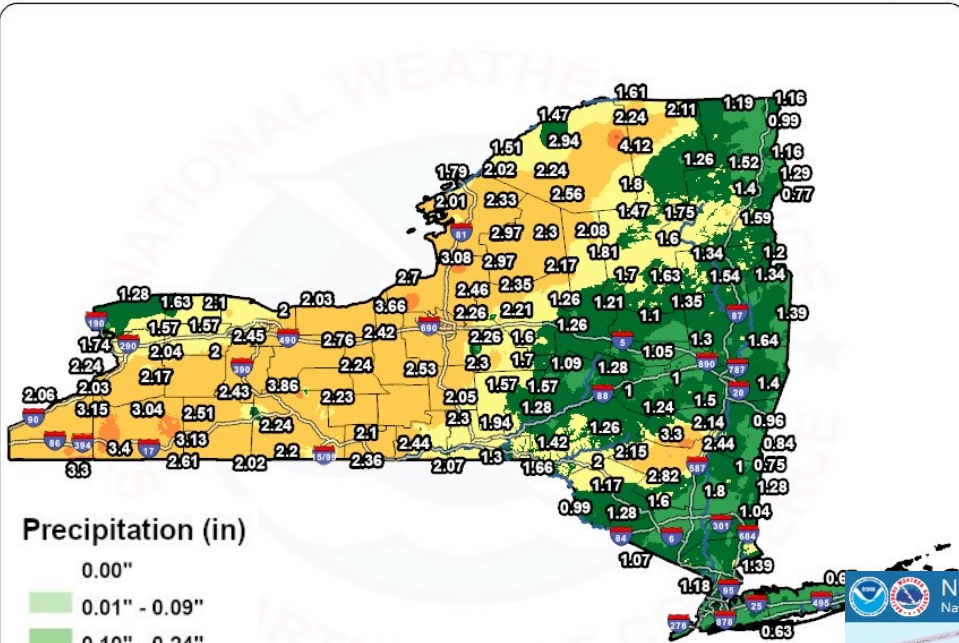
# National Weather Service State of New York

November 11-12, 2022 Remnants of Nicole Event

Analysis Data Source: Regional Observations



# Remnants of Nicole Rainfall



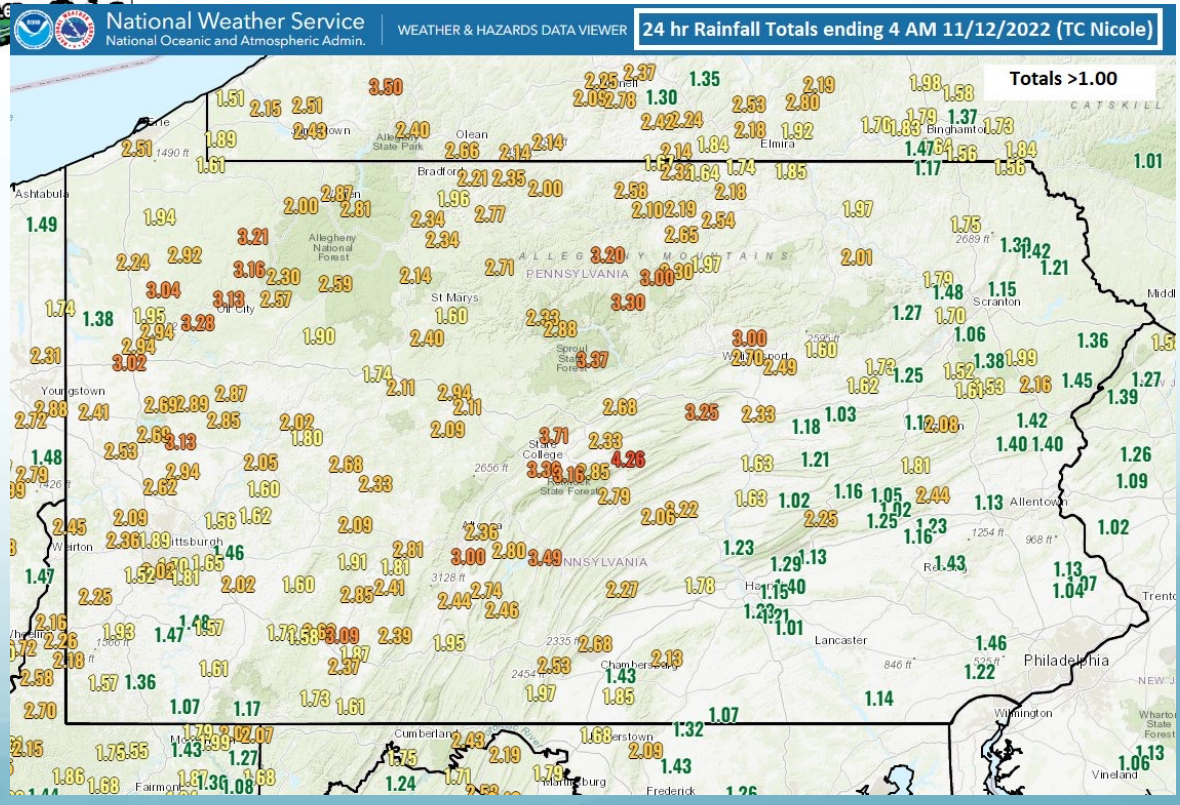
Precipitation (in)

- 0.00"
- 0.01" - 0.09"
- 0.10" - 0.24"
- 0.25" - 0.49"
- 0.50" - 0.99"
- 1.00" - 1.49"
- 1.50" - 1.99"
- 2.00" - 2.99"
- 3.00" - 3.99"
- 4.00" - 5.99"

Courtesy of NWS ALY



Courtesy of NWS CTP

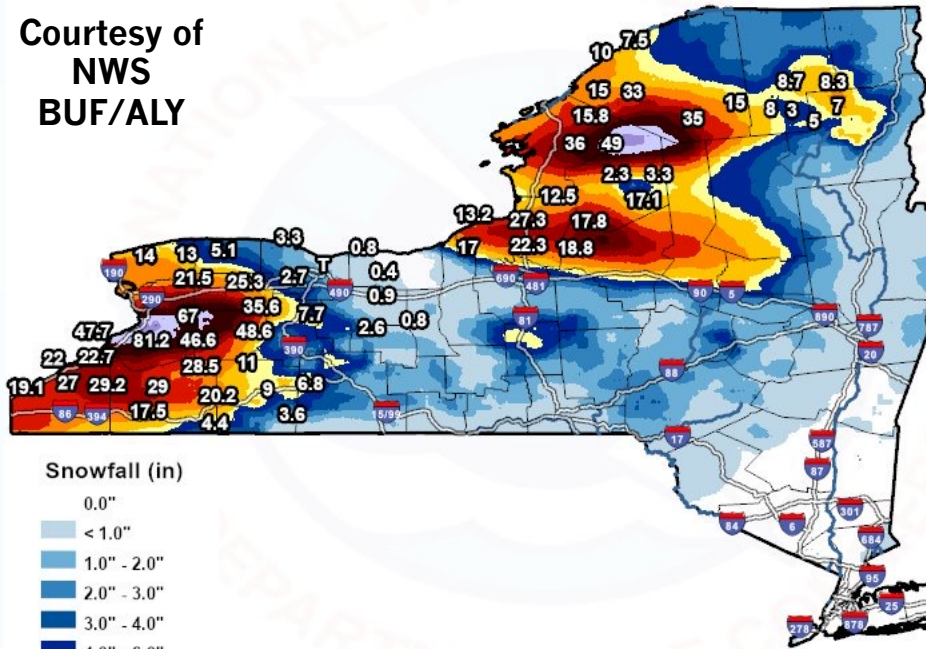


National Weather Service National Oceanic and Atmospheric Admin. WEATHER & HAZARDS DATA VIEWER 24 hr Rainfall Totals ending 4 AM 11/12/2022 (TC Nicole)

Totals >1.00

# November 16-21 Lake Effect

Courtesy of  
NWS  
BUF/ALY



Snowfall (in)



...Erie County...

5 W Hamburg  
1 NE Orchard Park  
Hamburg 1.9 NNW  
3 SSW Blasdell  
Elma Center 0.7 SE  
Elma 2.7 [WSW](#)  
East [Aurora](#) 0.1 ENE  
Boston 2.5 NE  
Angola  
Wales  
West Seneca 2.5 SE  
Eden 1.4 SSE  
East [Aurora](#) 2.7 SSE  
Colden 1.4 NNW  
Colden 1W  
1 NW Alden  
Holland  
N Buffalo Airport

81.2 in	0700 AM 11/21	CO-OP Observer
80.0 in	0647 AM 11/20	Public
77.3 in	0900 AM 11/21	COCORAHS
76.0 in	0700 AM 11/21	Public
67.0 in	0900 AM 11/21	COCORAHS
61.7 in	0700 AM 11/21	COCORAHS
51.3 in	0700 AM 11/21	COCORAHS
51.0 in	0700 AM 11/21	COCORAHS
47.7 in	0800 AM 11/21	COCORAHS
46.6 in	0700 AM 11/21	COOP
46.6 in	0700 AM 11/21	COCORAHS
46.2 in	0700 AM 11/21	COCORAHS
45.1 in	0700 AM 11/21	COCORAHS
44.9 in	0730 AM 11/21	COCORAHS
44.9 in	0730 AM 11/21	COOP
40.5 in	0700 AM 11/21	Trained Spotter
39.0 in	0800 PM 11/20	Public
36.6 in	0700 AM 11/21	Official <a href="#">NWS Obs</a>

...Jefferson County...

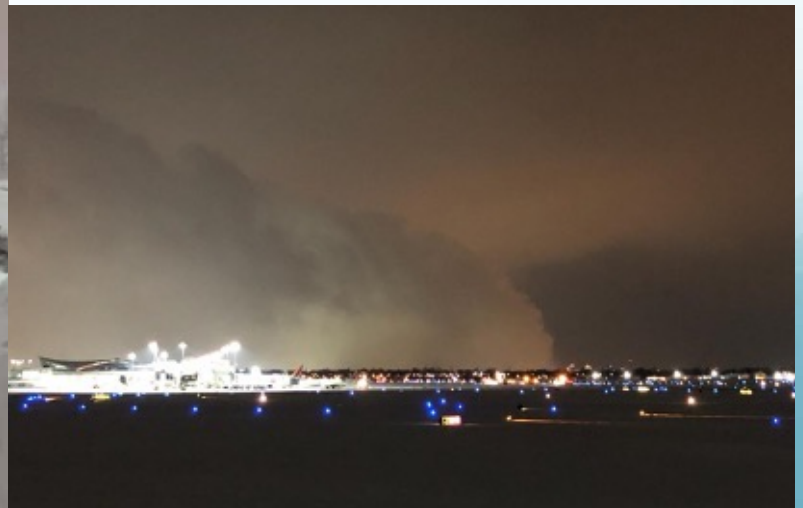
West Carthage 0.3 ENE  
Watertown

49.0 in	0700 AM 11/21	COCORAHS
36.0 in	0800 AM 11/21	COOP



Courtesy of  
NWS BUF

Courtesy of  
Dan Kelly

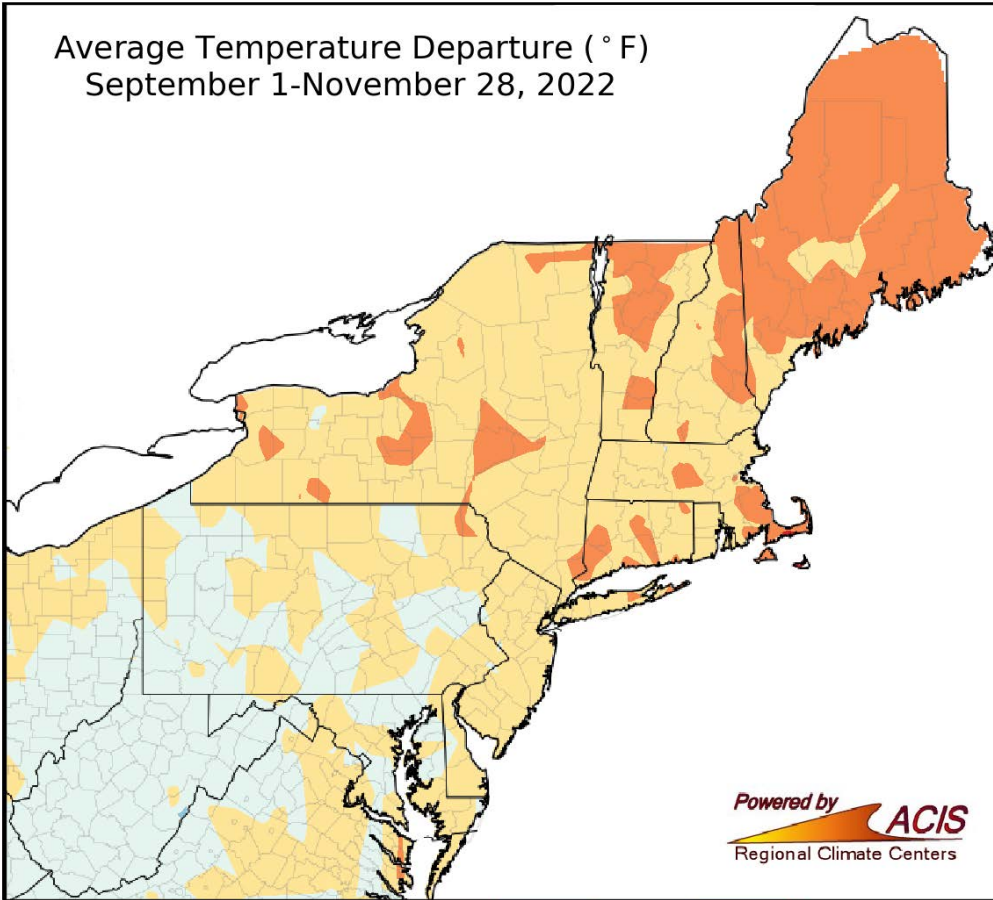


Courtesy of  
John Jarosz



# Fall Temperature/Precipitation

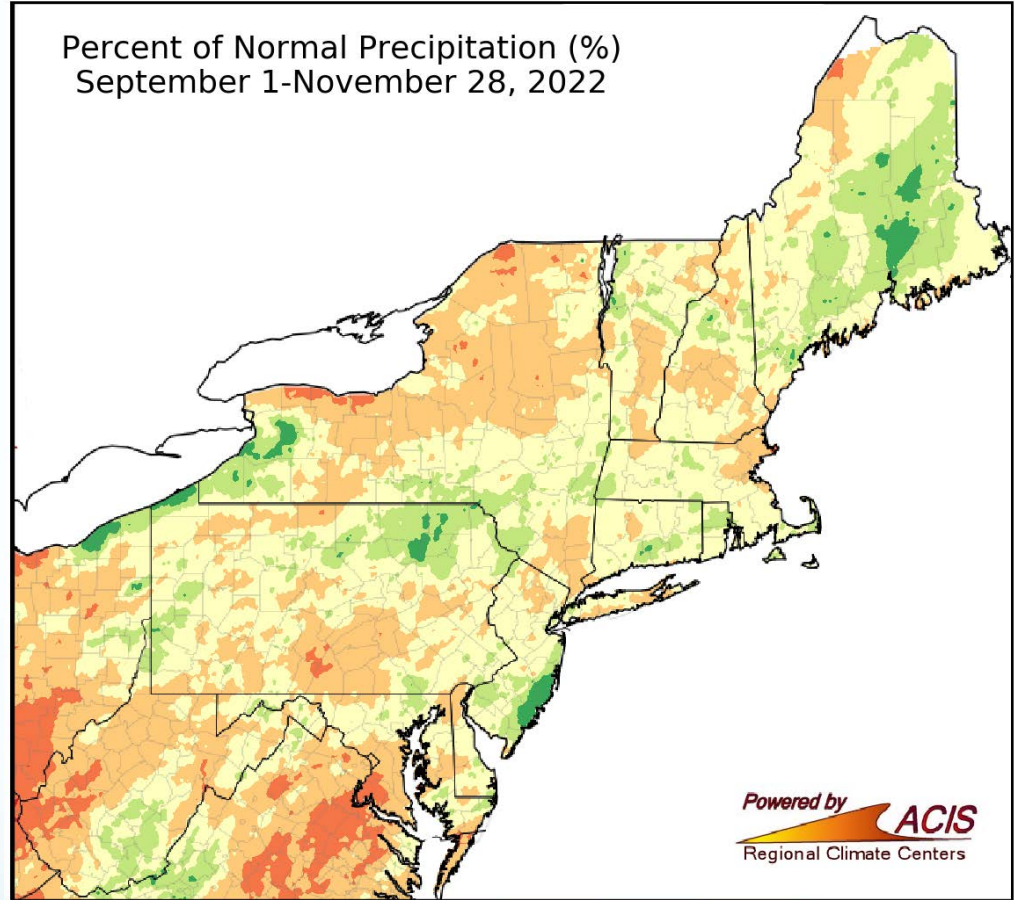
Average Temperature Departure (°F)  
September 1-November 28, 2022



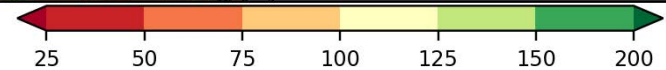
Powered by **ACIS**  
Regional Climate Centers



Percent of Normal Precipitation (%)  
September 1-November 28, 2022

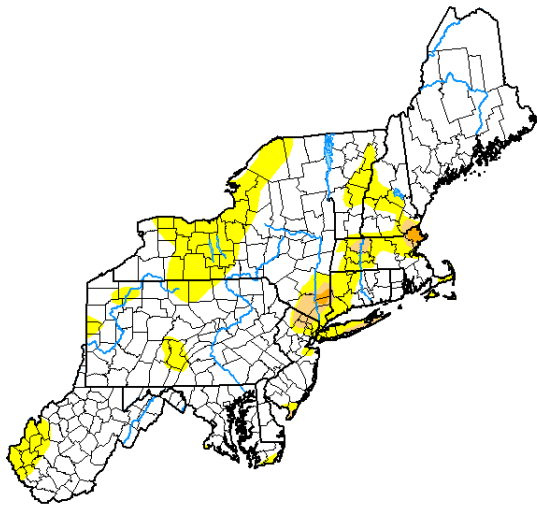


Powered by **ACIS**  
Regional Climate Centers



# Drought Monitor

## U.S. Drought Monitor Northeast



**November 1, 2022**  
(Released Thursday, Nov. 3, 2022)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	79.09	18.75	1.78	0.37	0.00	0.00
<b>Last Week</b> 10-25-2022	81.30	16.44	1.89	0.37	0.00	0.00
<b>3 Months Ago</b> 08-02-2022	51.08	25.55	18.01	5.36	0.00	0.00
<b>Start of Calendar Year</b> 01-04-2022	84.91	12.92	1.32	0.85	0.00	0.00
<b>Start of Water Year</b> 09-27-2021	69.23	17.83	9.11	3.70	0.14	0.00
<b>One Year Ago</b> 11-02-2021	92.54	5.42	0.97	1.07	0.00	0.00

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>

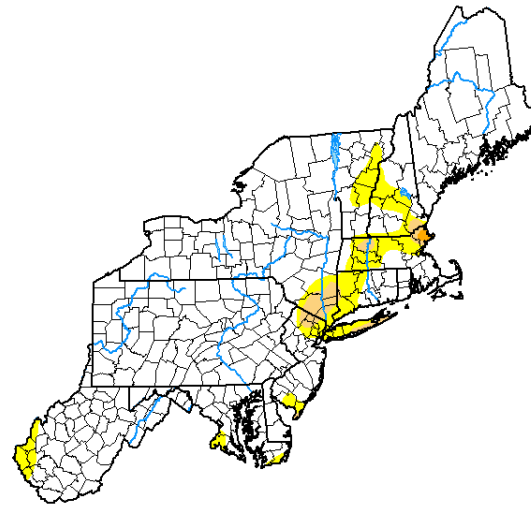
Author:

Brian Fuchs  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

## U.S. Drought Monitor Northeast



**November 22, 2022**  
(Released Wednesday, Nov. 23, 2022)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	89.68	8.34	1.85	0.13	0.00	0.00
<b>Last Week</b> 11-15-2022	88.94	9.02	1.85	0.19	0.00	0.00
<b>3 Months Ago</b> 08-23-2022	49.73	27.69	12.38	7.71	2.48	0.00
<b>Start of Calendar Year</b> 01-04-2022	84.91	12.92	1.32	0.85	0.00	0.00
<b>Start of Water Year</b> 09-27-2021	69.23	17.83	9.11	3.70	0.14	0.00
<b>One Year Ago</b> 11-23-2021	91.59	6.37	1.19	0.85	0.00	0.00

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

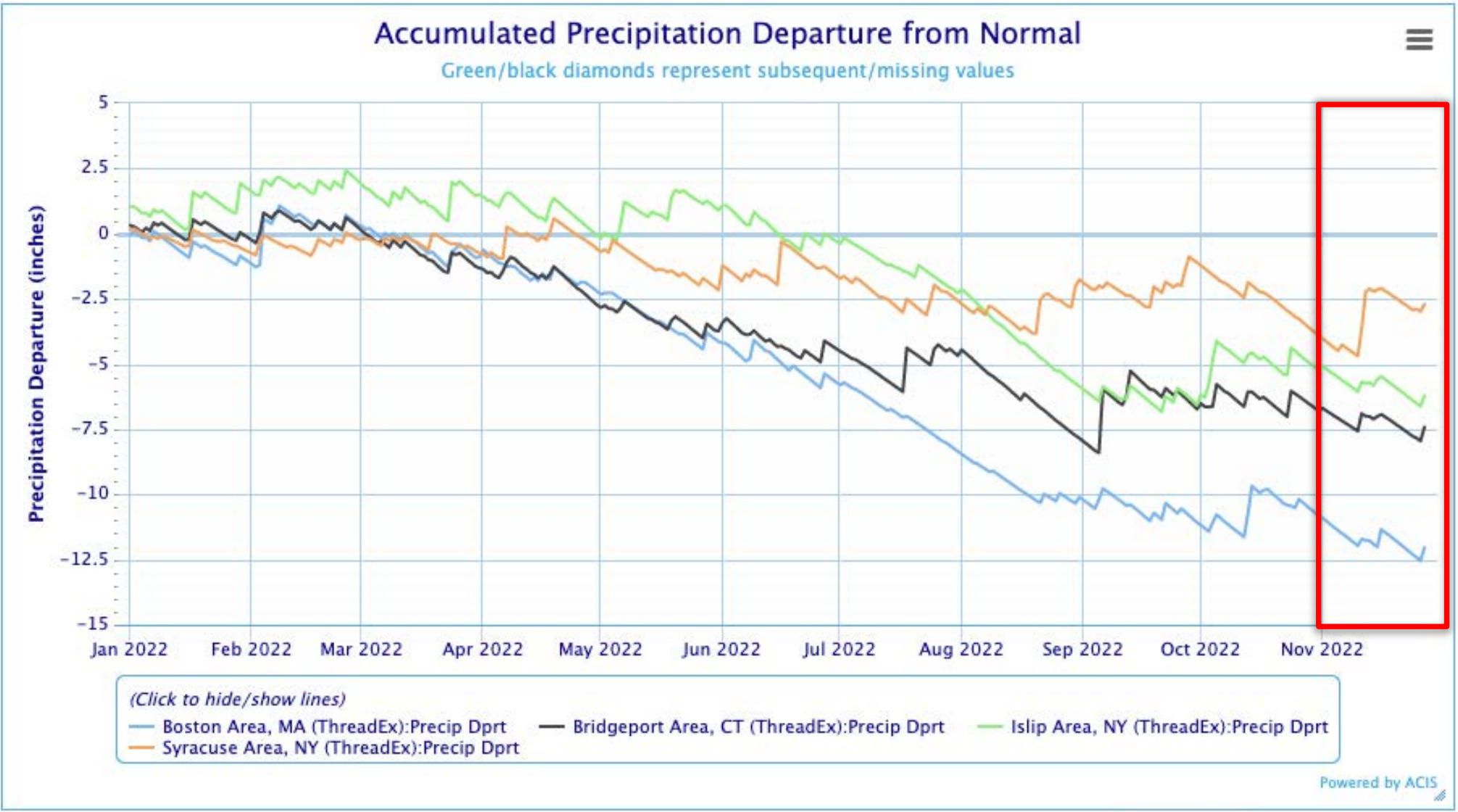


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

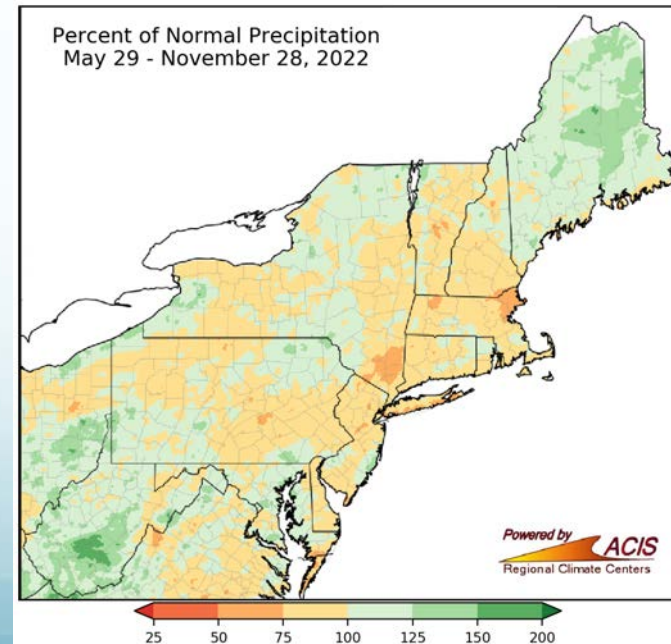
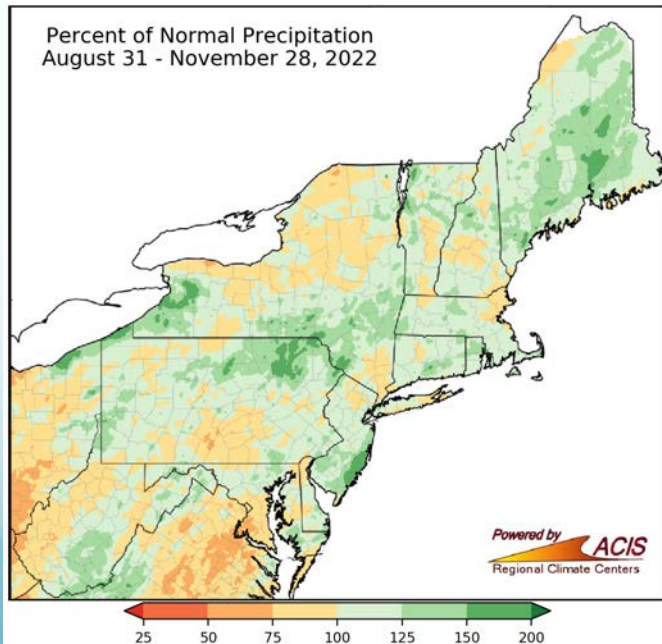
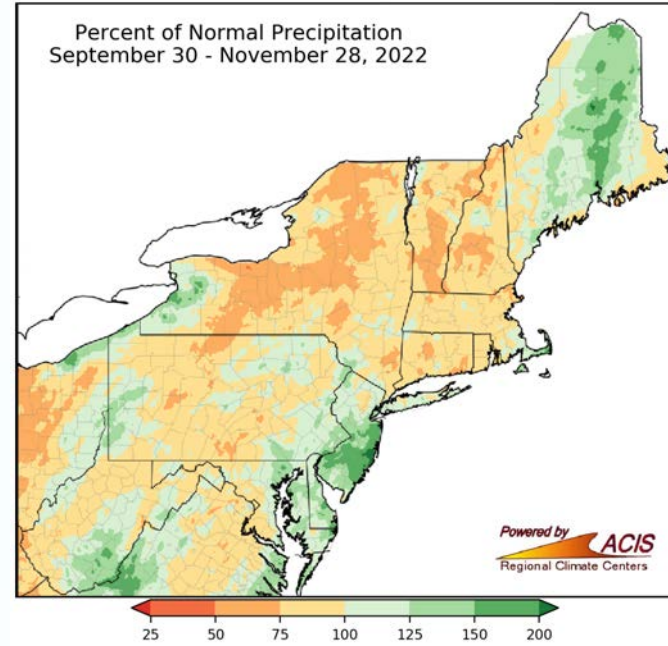
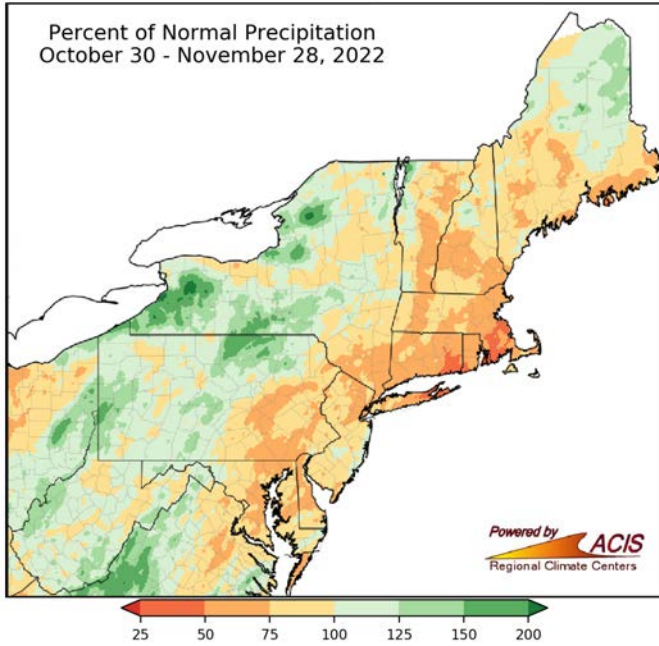




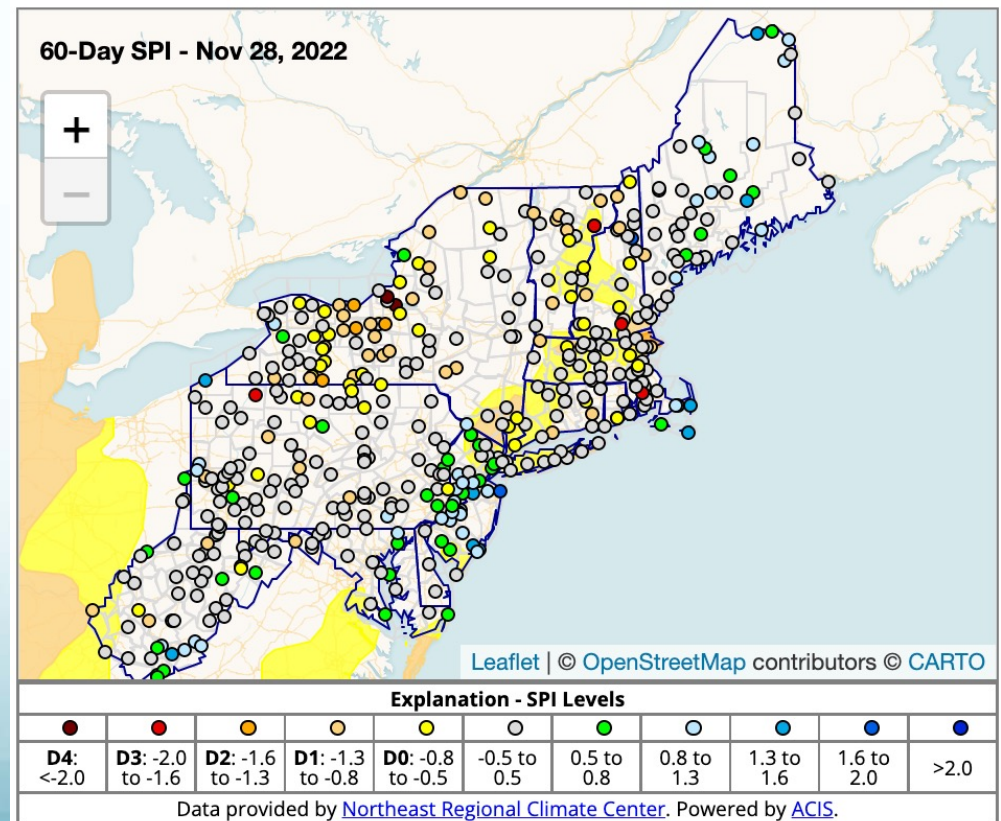
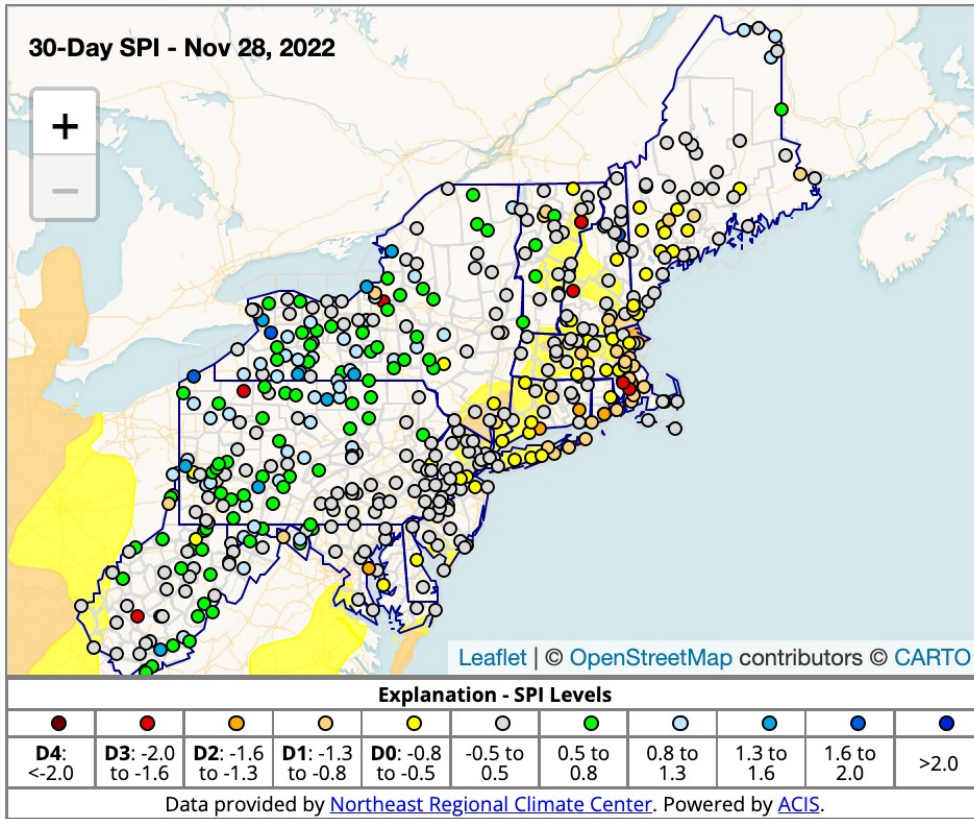
# Precipitation



# Precipitation

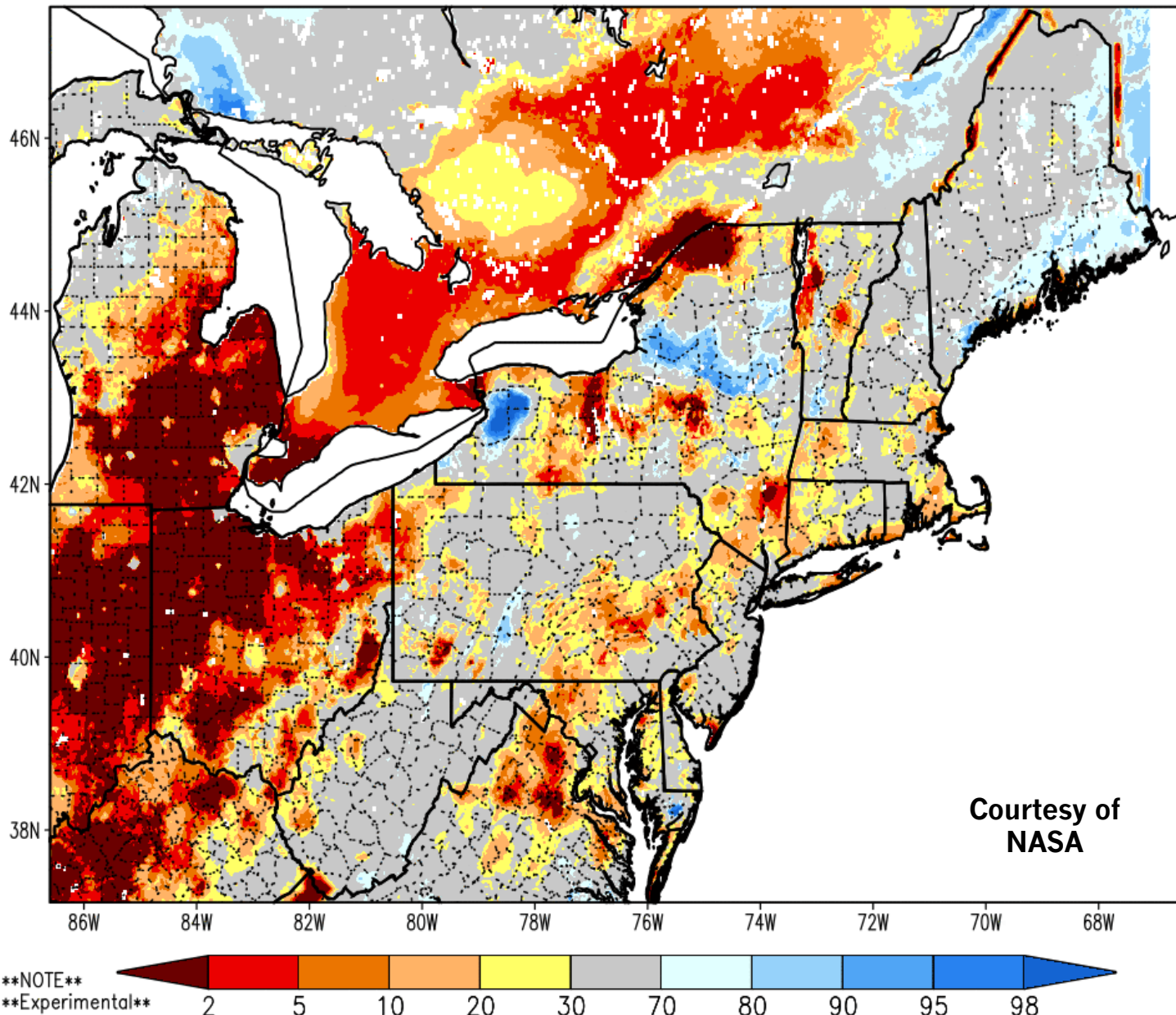


# Standardized Precipitation Index

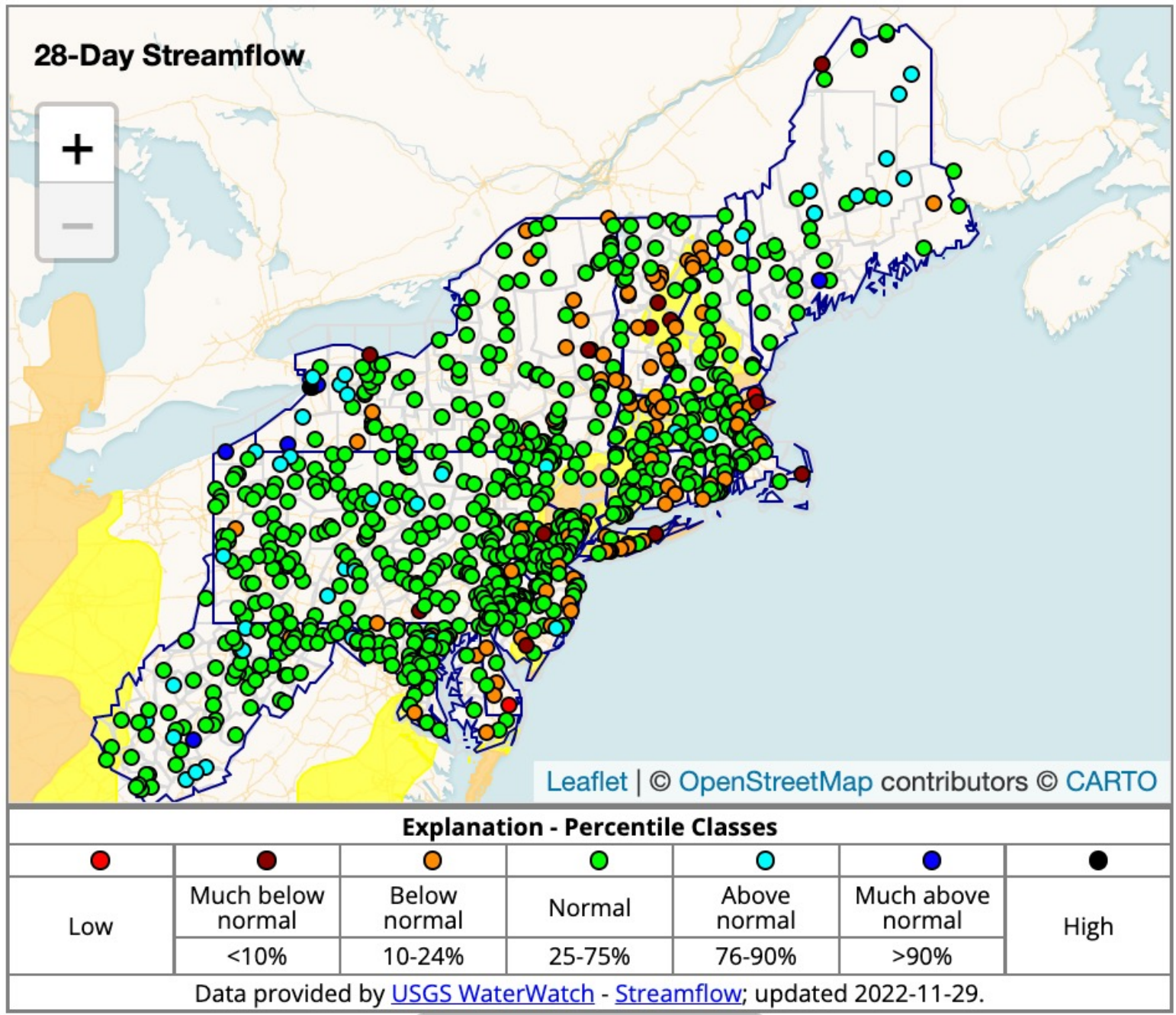


# Soil Moisture

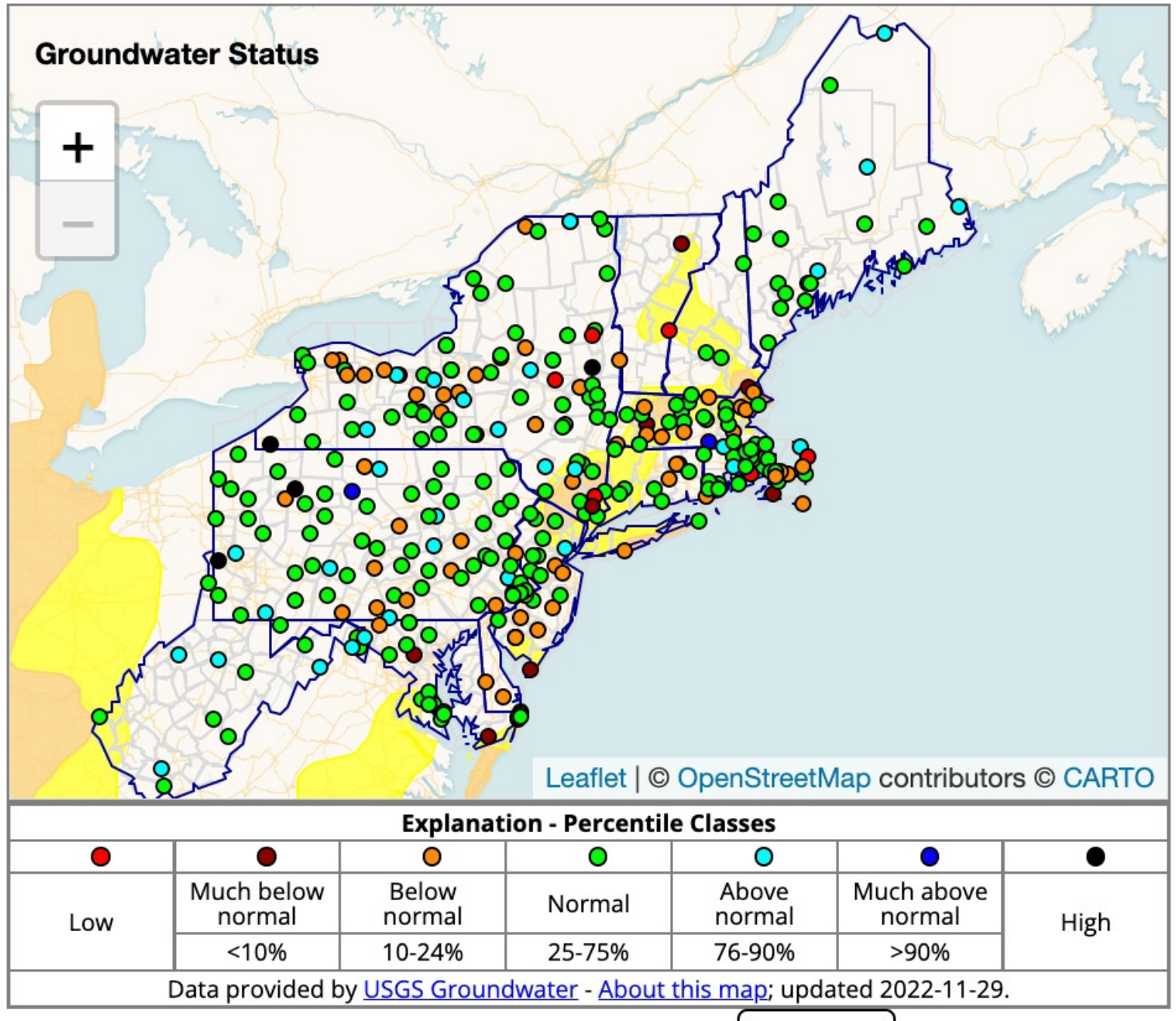
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 29 Nov 2022



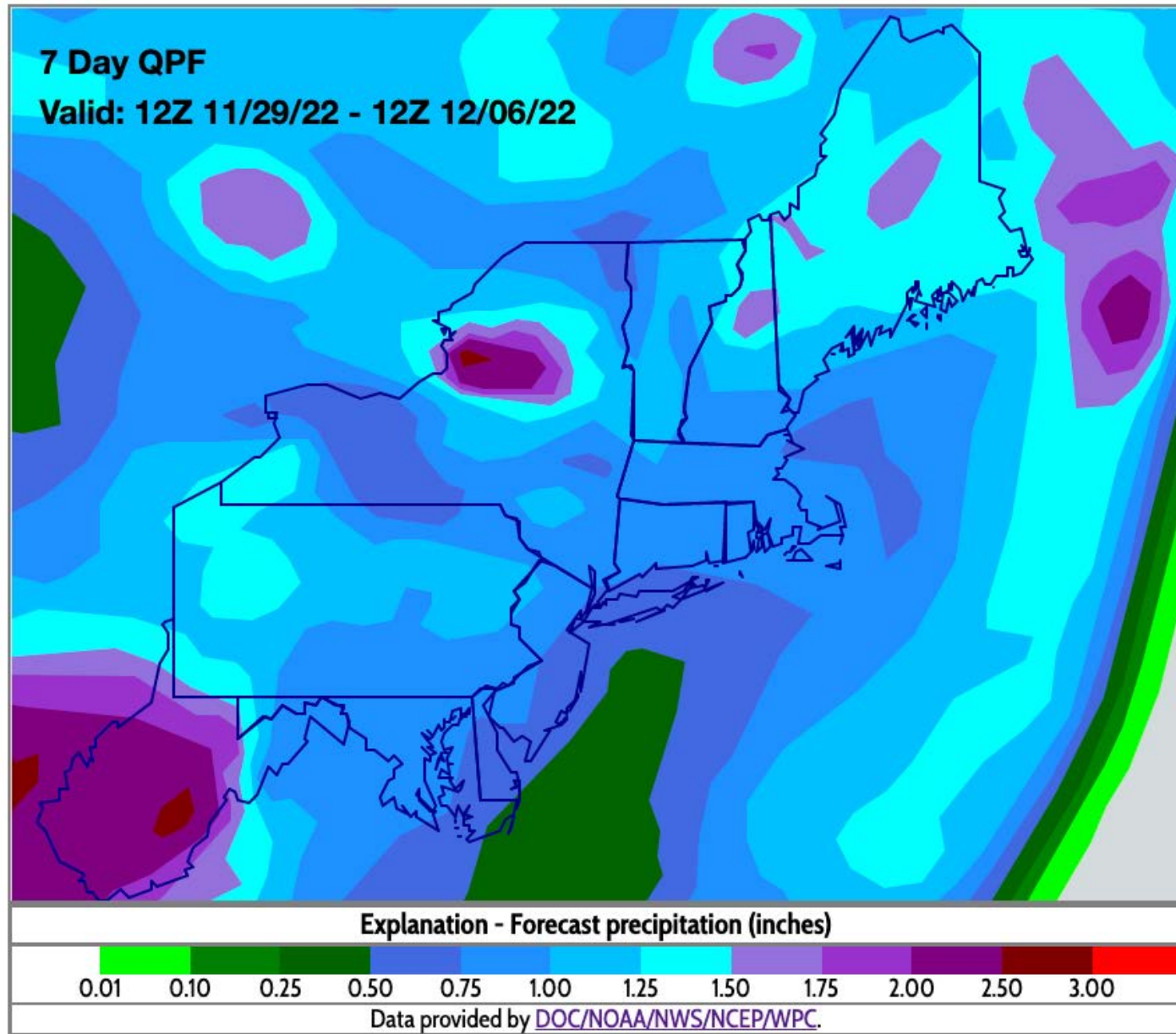
# Streamflow



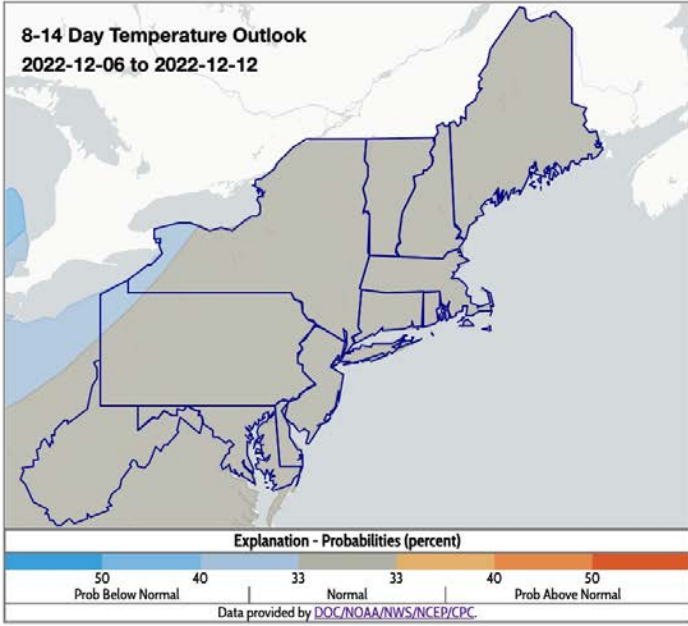
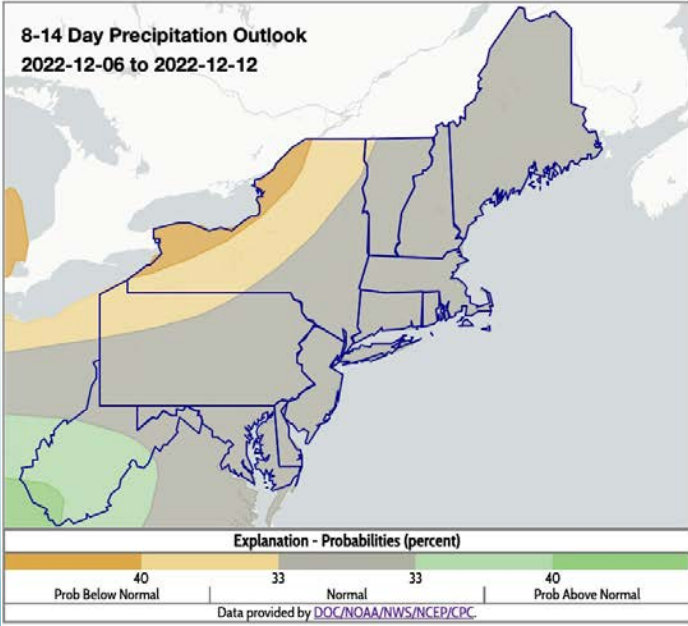
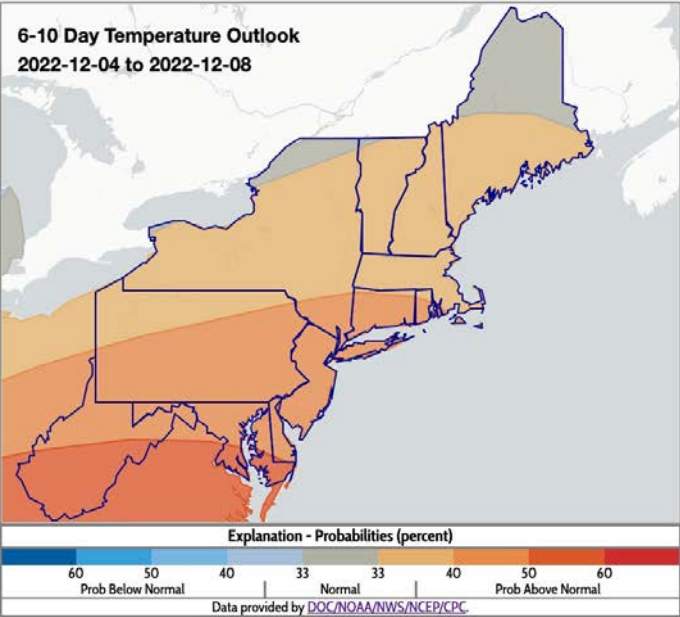
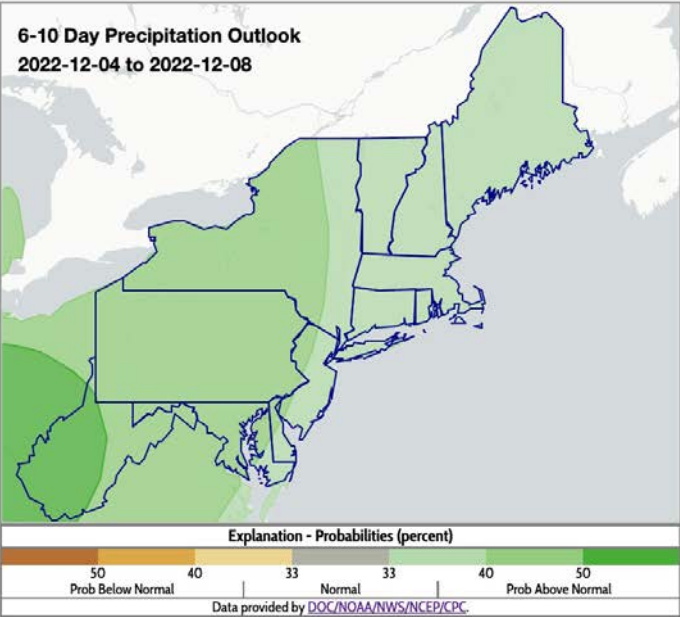
# Groundwater



# Precipitation Forecast



# Short-term Outlooks

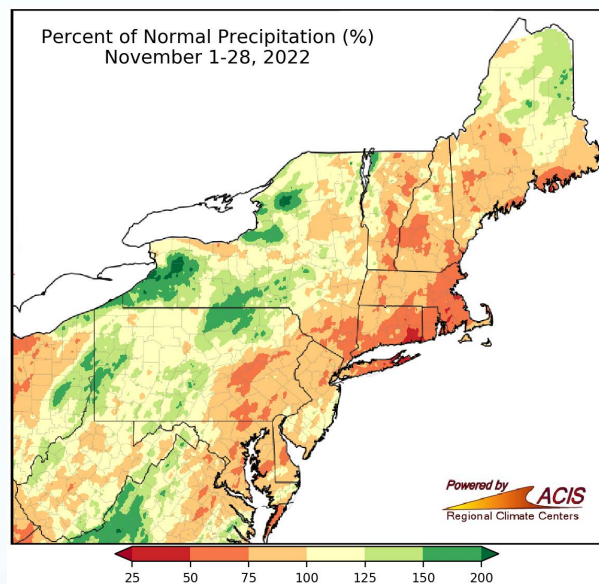




# Summary

## November-to-date conditions:

- Near- to above-normal temperatures, driven by early November warmth
- Below-normal precipitation coastal areas; above-normal precipitation for some inland areas due to Hurricane Nicole's remnants



## Drought:

- Limited recovery due to drier-than-normal conditions in New England and eastern New York
- Abnormal dryness erased in upstate New York by Hurricane Nicole's remnants

## Outlooks:

- Short-term outlooks: above-normal precipitation and near- to above-normal temperatures favored for 8–10-day period; near-normal precipitation and near-normal temperatures are predicted for many areas



# Contact Information

- [nrcc@cornell.edu](mailto:nrcc@cornell.edu)

## Upcoming Webinars

- Thursday, December 15 at 9:30am EST
  - Massachusetts Drought Dashboard
- Tuesday, January 31 at 9:30am EST
  - Climate Mapping for Resilience and Adaptation Tool



[www.nrcc.cornell.edu](http://www.nrcc.cornell.edu)