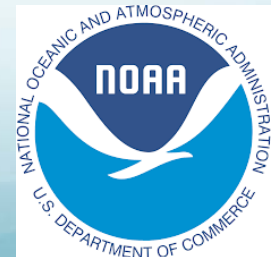


November Conditions & Northeast DEWS Discussion

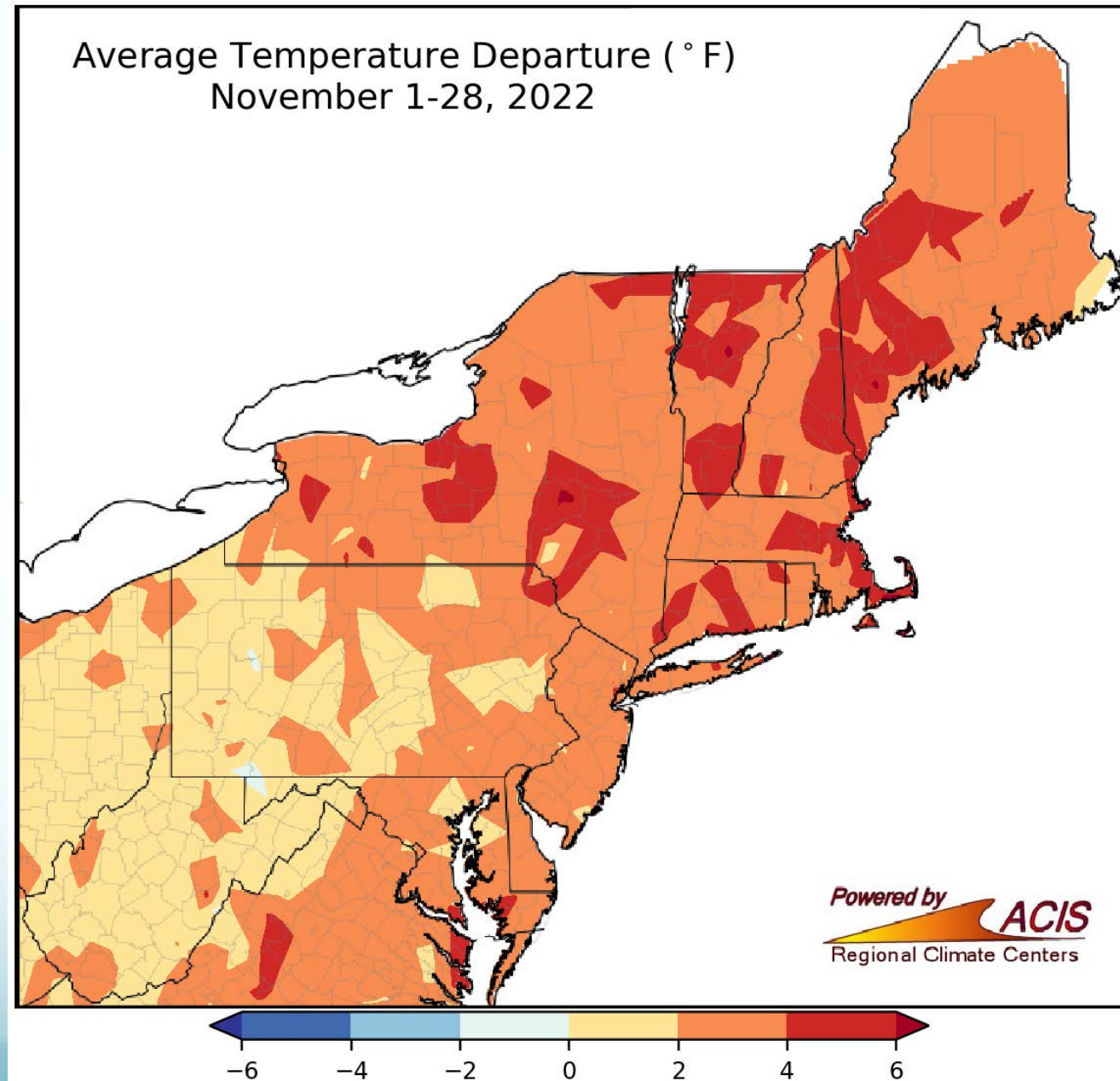
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center



November Temperatures



From near normal to 6°F above normal



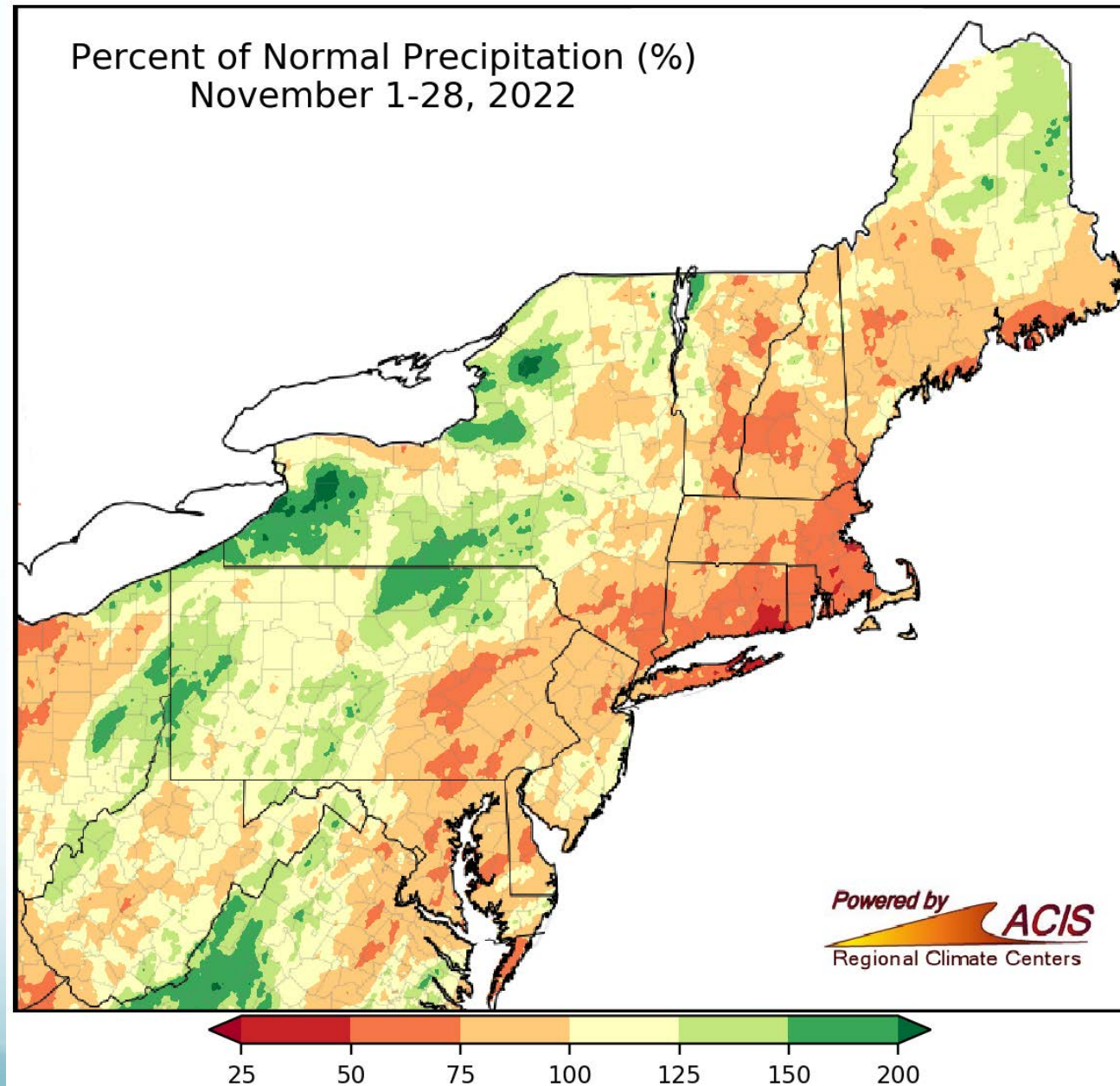
November Temperatures

Daily Maximum Temperature Records (°F)			
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

Daily High Minimum Temperature Records (°F)			
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



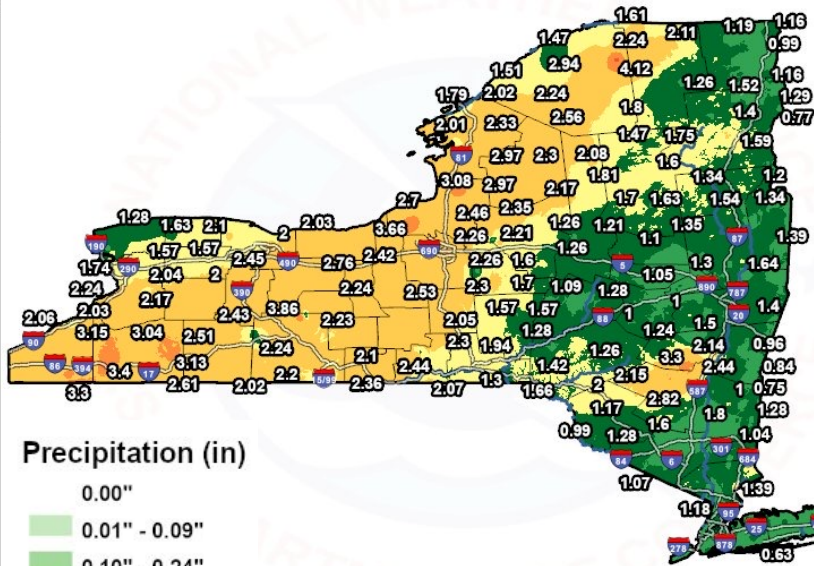
National Weather Service State of New York

November 11-12, 2022 Remnants of Nicole Event

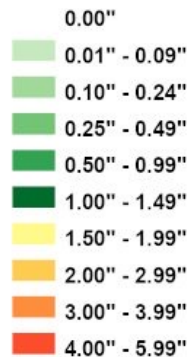
Analysis Data Source: Regional Observations



Remnants of Nicole Rainfall



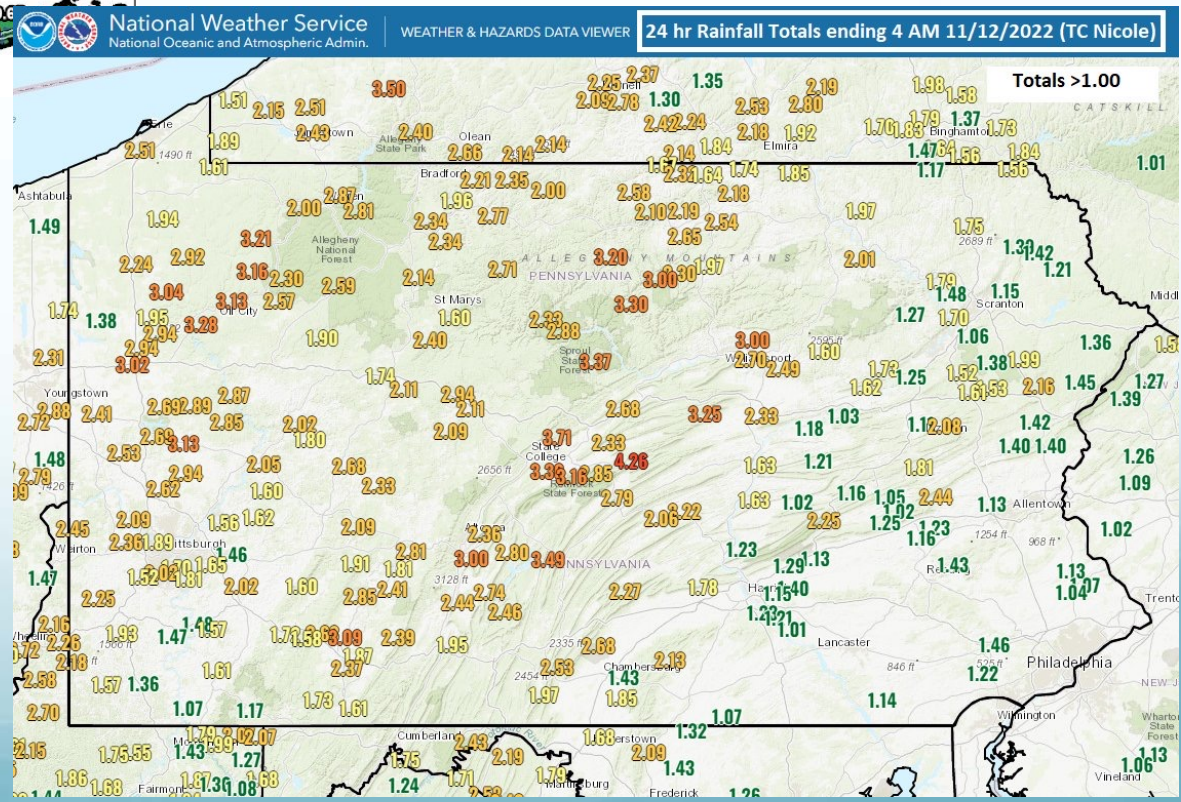
Precipitation (in)



Courtesy of
NWS ALY

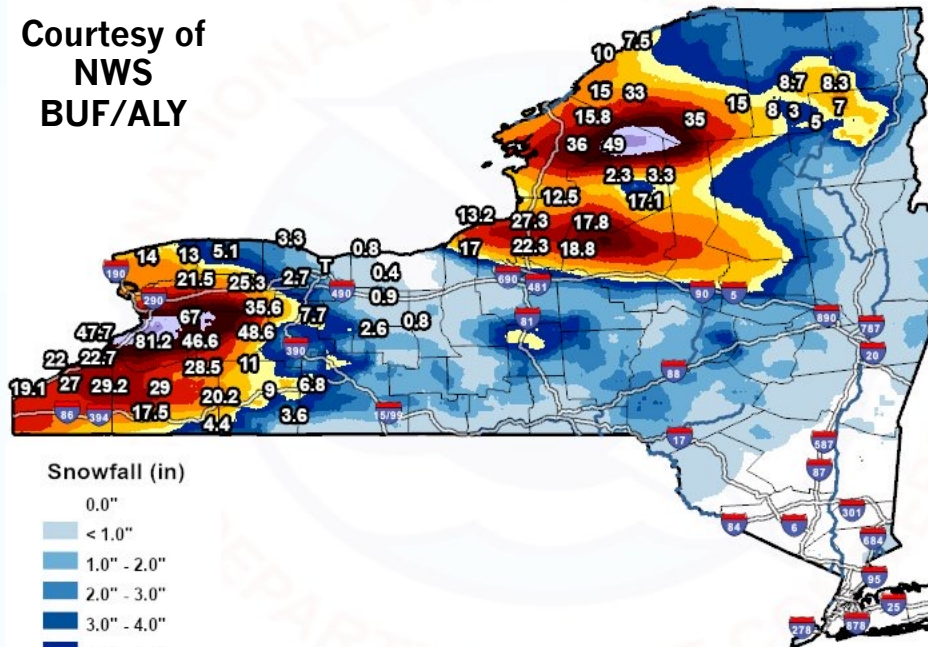


Courtesy of
NWS CTP



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 NWS Obs

...Jefferson County...

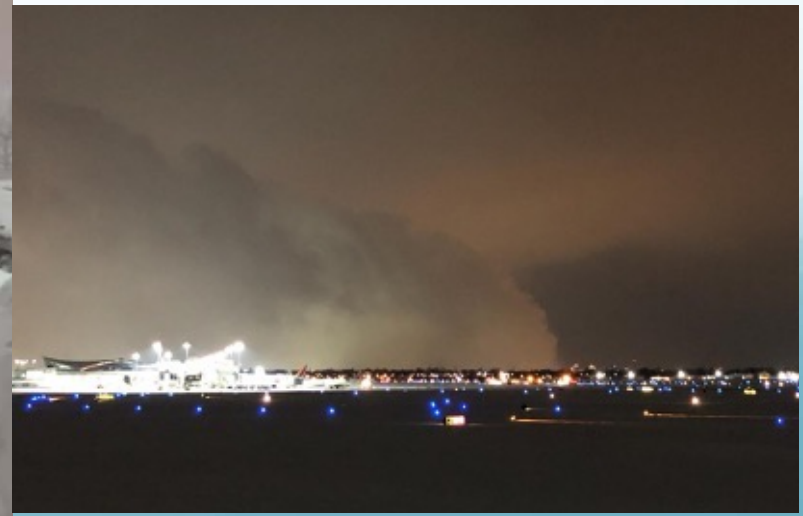
West Carthage 0.3 ENE
Watertown

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

Courtesy of
NWS BUF

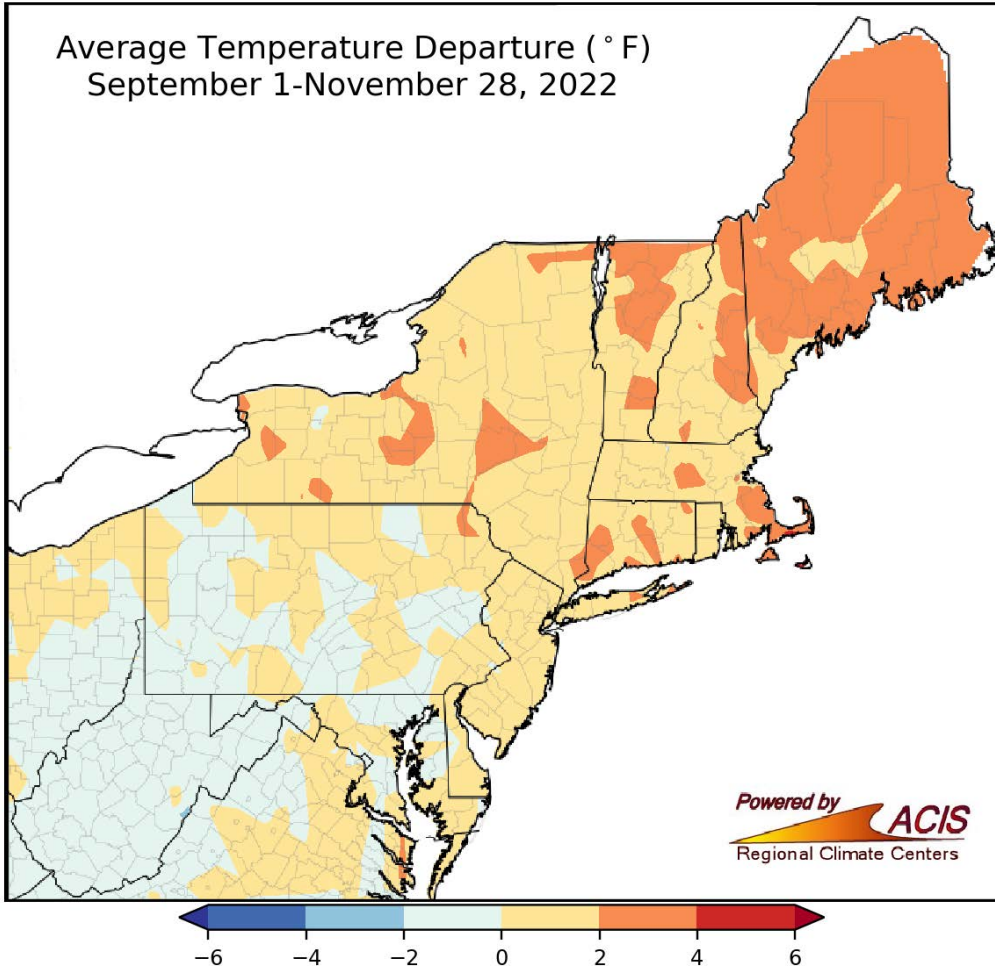
Courtesy of
Dan Kelly

Courtesy of
John Jarosz

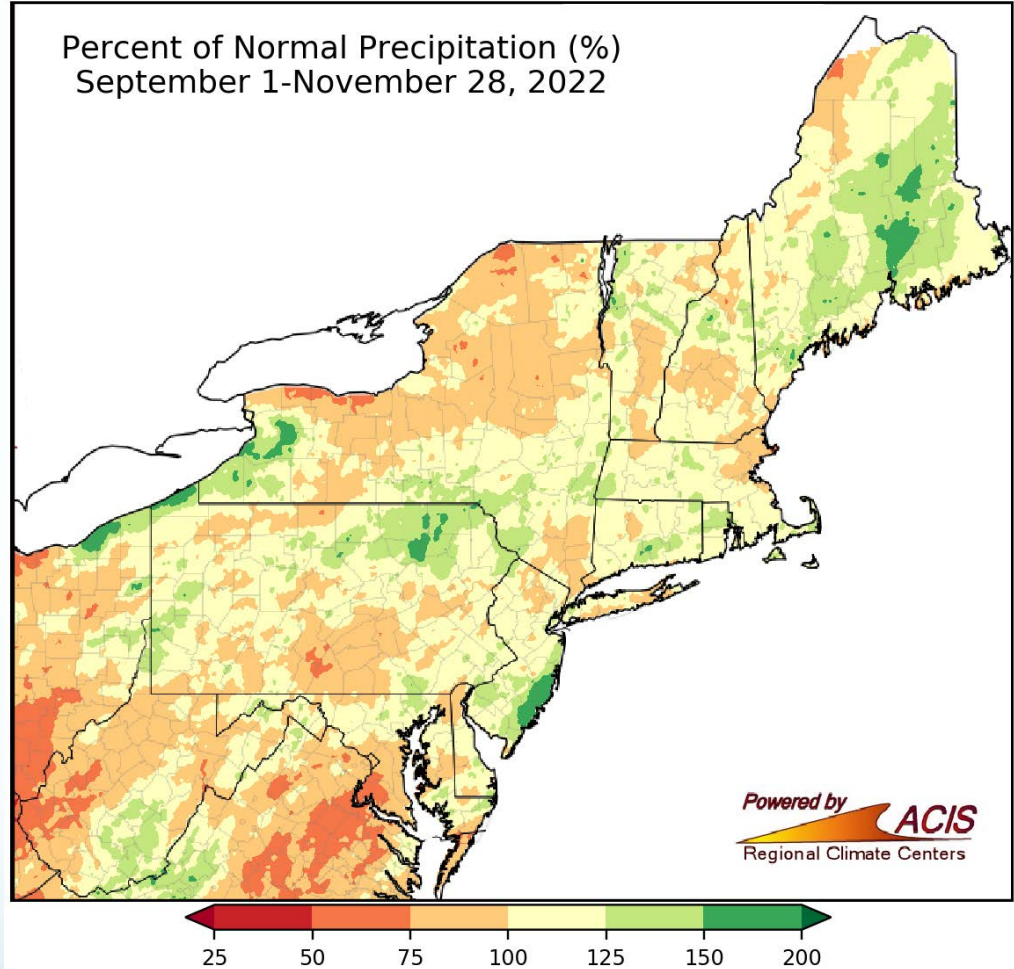


Fall Temperature/Precipitation

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

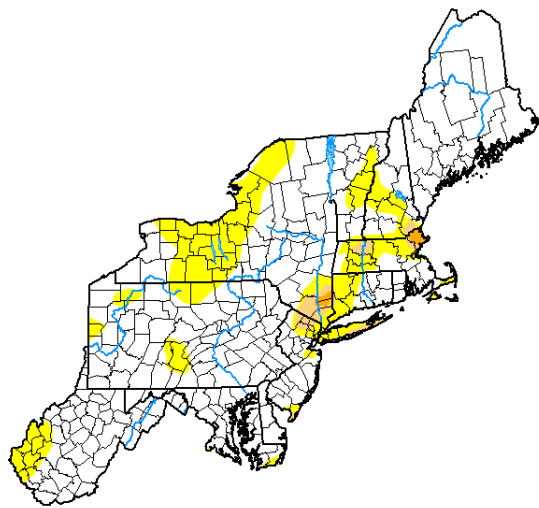


Percent of Normal Precipitation (%)
September 1-November 28, 2022



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
Current	79.09	18.75	1.78	0.37	0.00	0.00
Last Week 10-25-2022	81.30	16.44	1.89	0.37	0.00	0.00
3 Months Ago 08-02-2022	51.08	25.55	18.01	5.36	0.00	0.00
Start of Calendar Year 01-04-2022	84.91	12.92	1.32	0.85	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 11-02-2021	92.54	5.42	0.97	1.07	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>

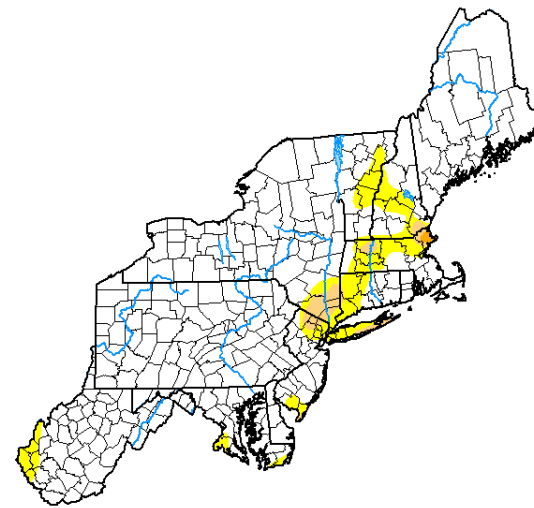
Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast



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

	Drought Conditions (Percent Area)					
	None	D0	D1	D2	D3	D4
Current	89.68	8.34	1.85	0.13	0.00	0.00
Last Week 11-15-2022	88.94	9.02	1.85	0.19	0.00	0.00
3 Months Ago 08-23-2022	49.73	27.69	12.38	7.71	2.48	0.00
Start of Calendar Year 01-04-2022	84.91	12.92	1.32	0.85	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 11-23-2021	91.59	6.37	1.19	0.85	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:

Brad Rippey
U.S. Department of Agriculture



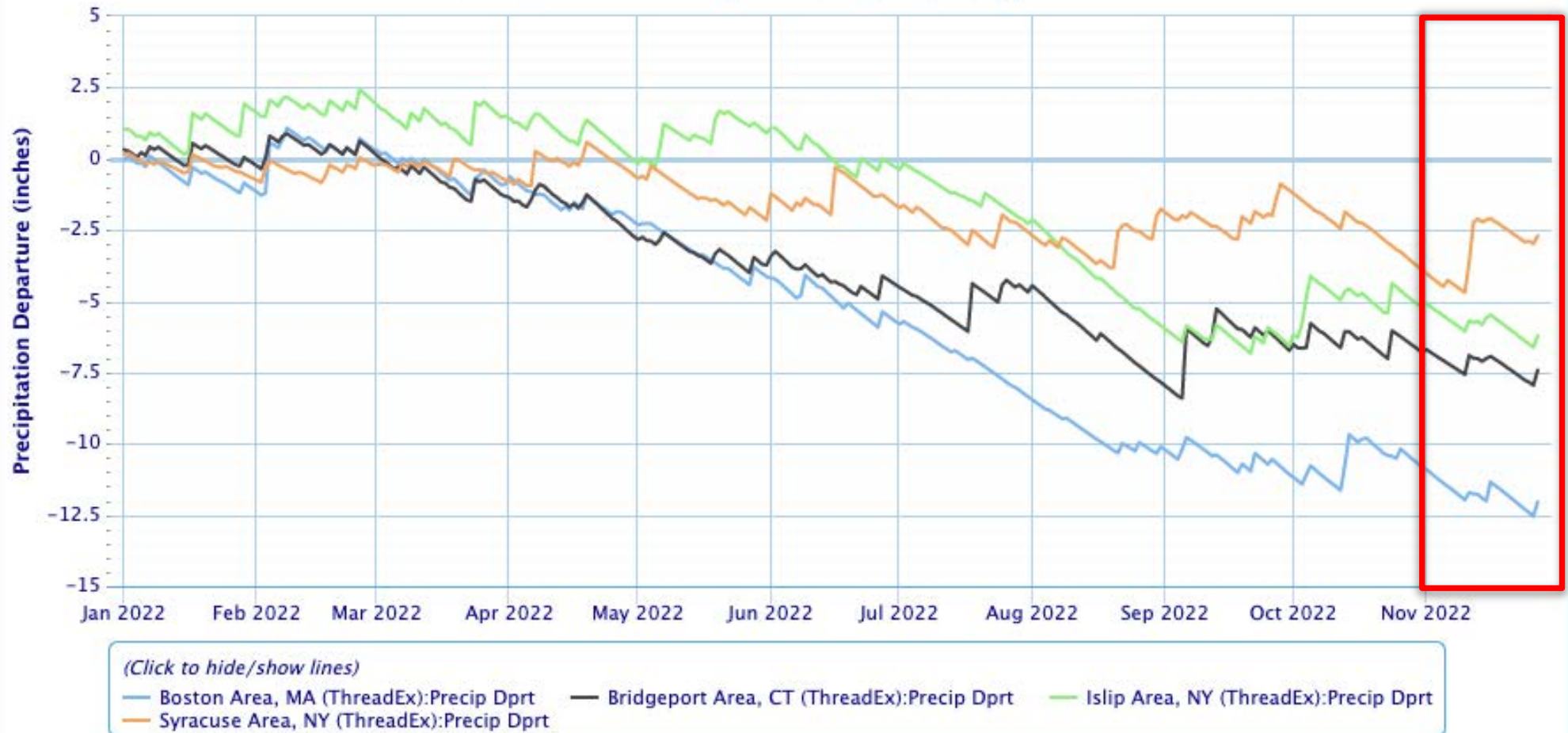
droughtmonitor.unl.edu



Precipitation

Accumulated Precipitation Departure from Normal

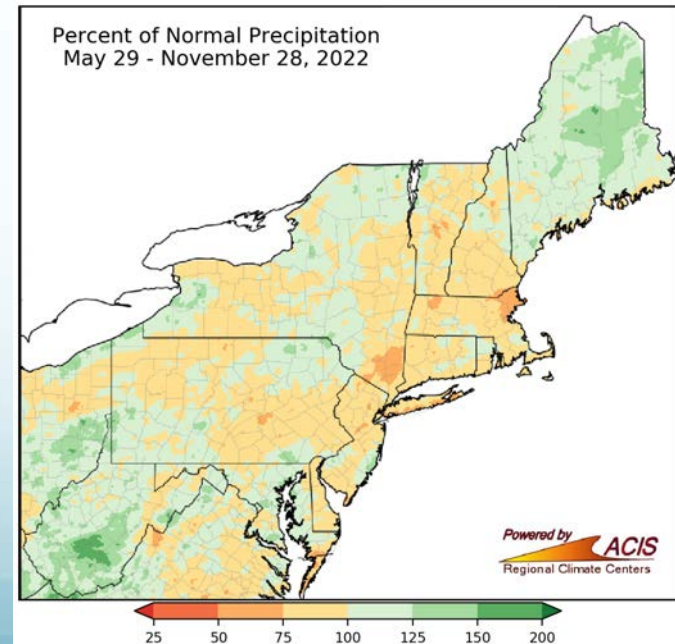
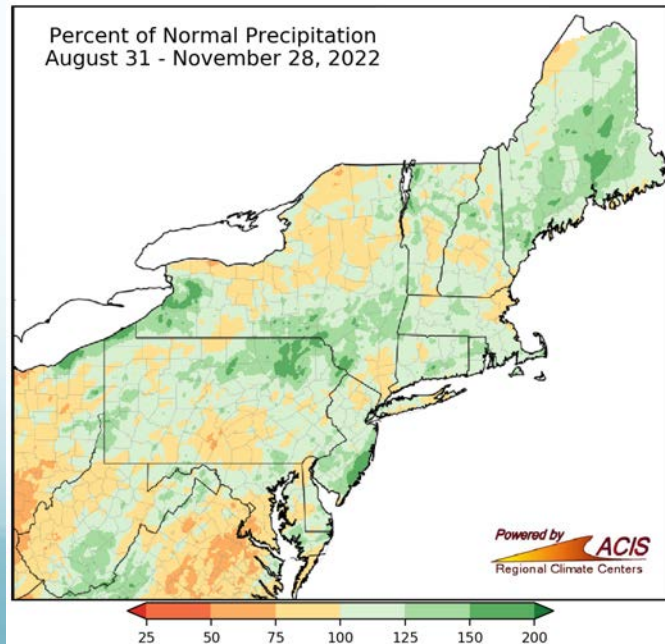
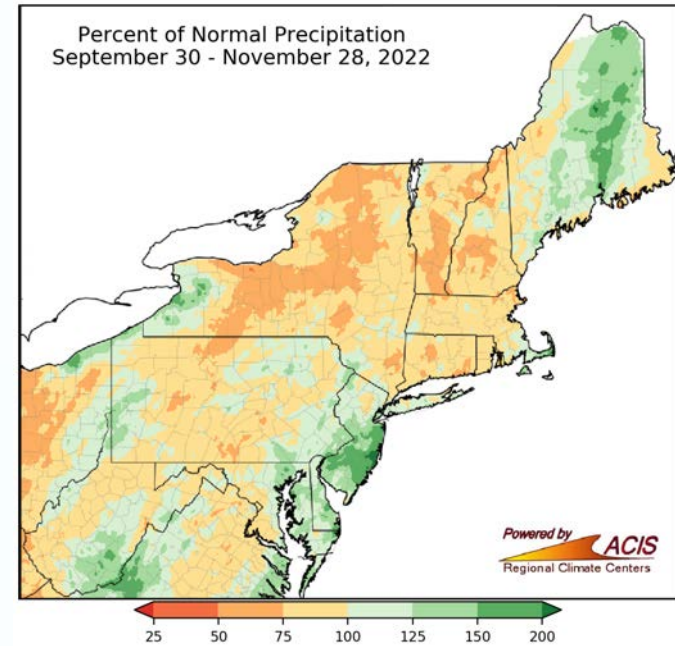
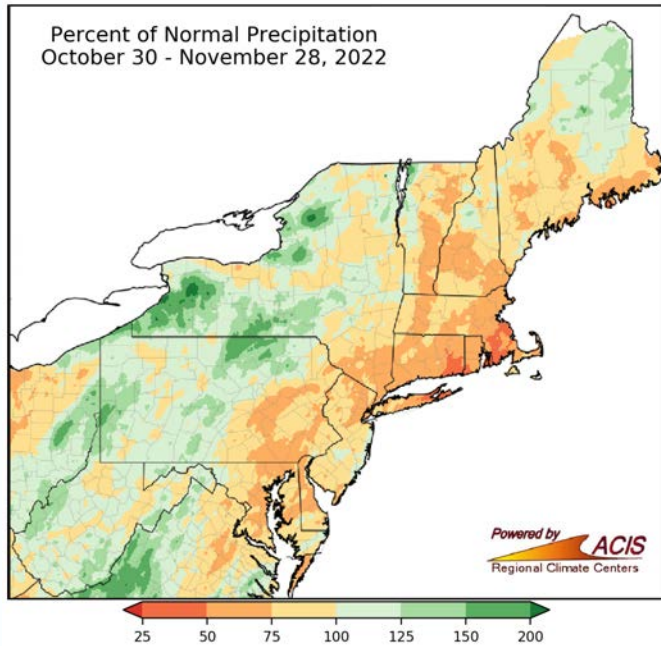
Green/black diamonds represent subsequent/missing values



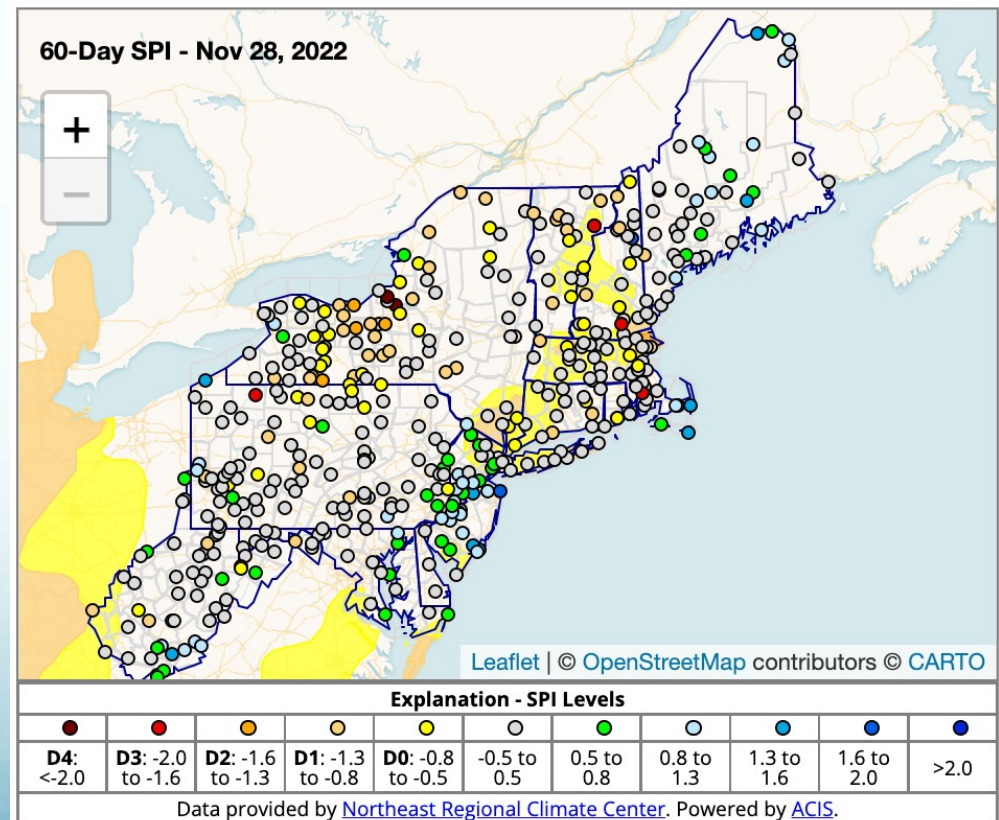
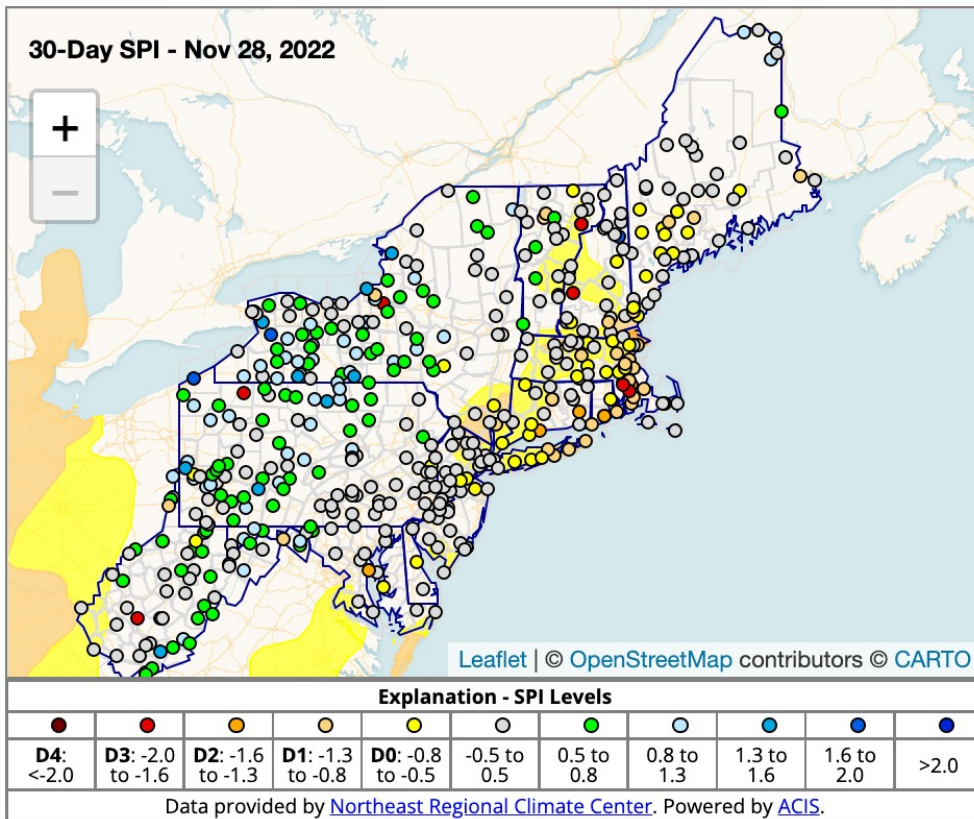
Powered by ACIS



Precipitation

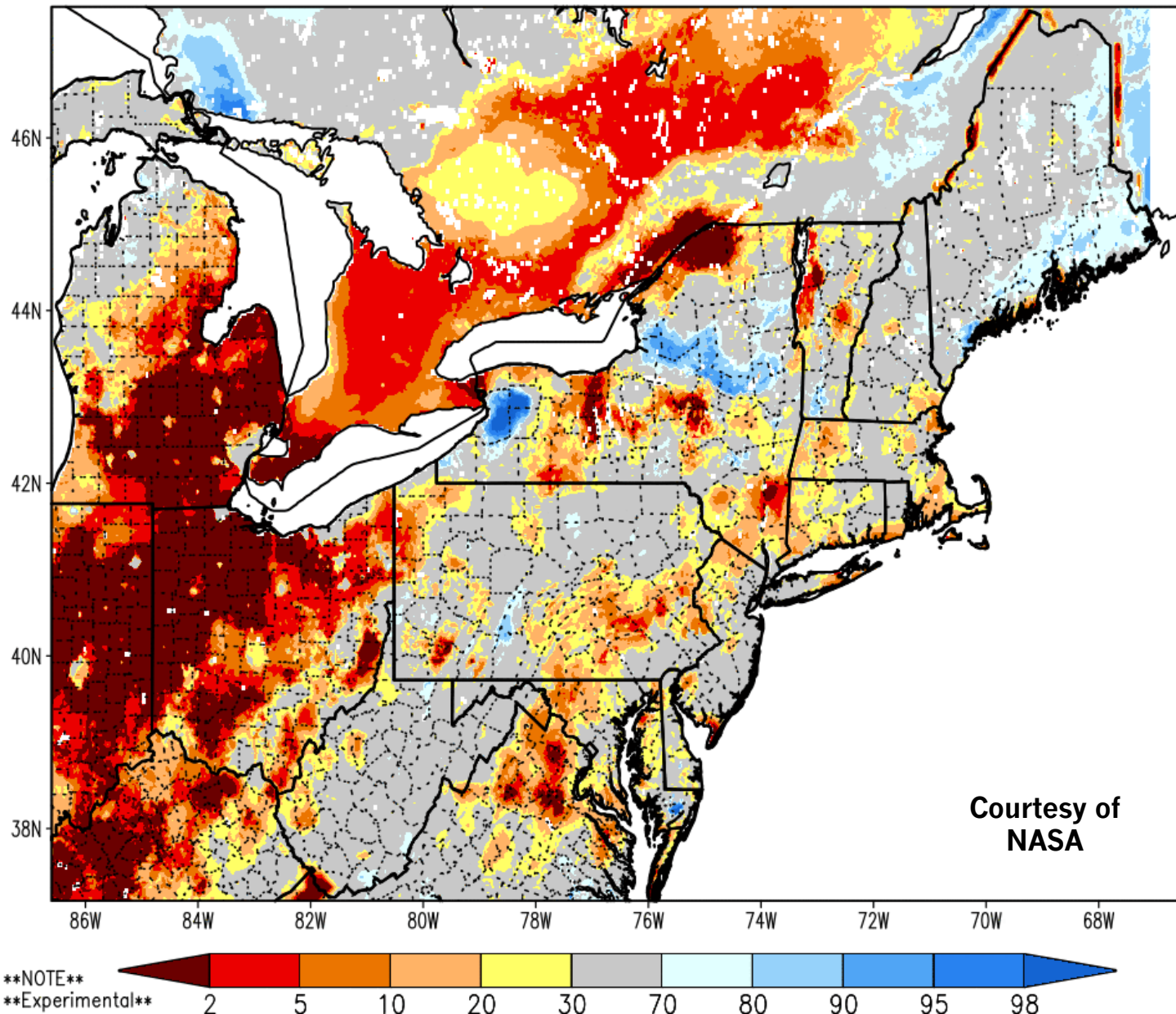


Standardized Precipitation Index

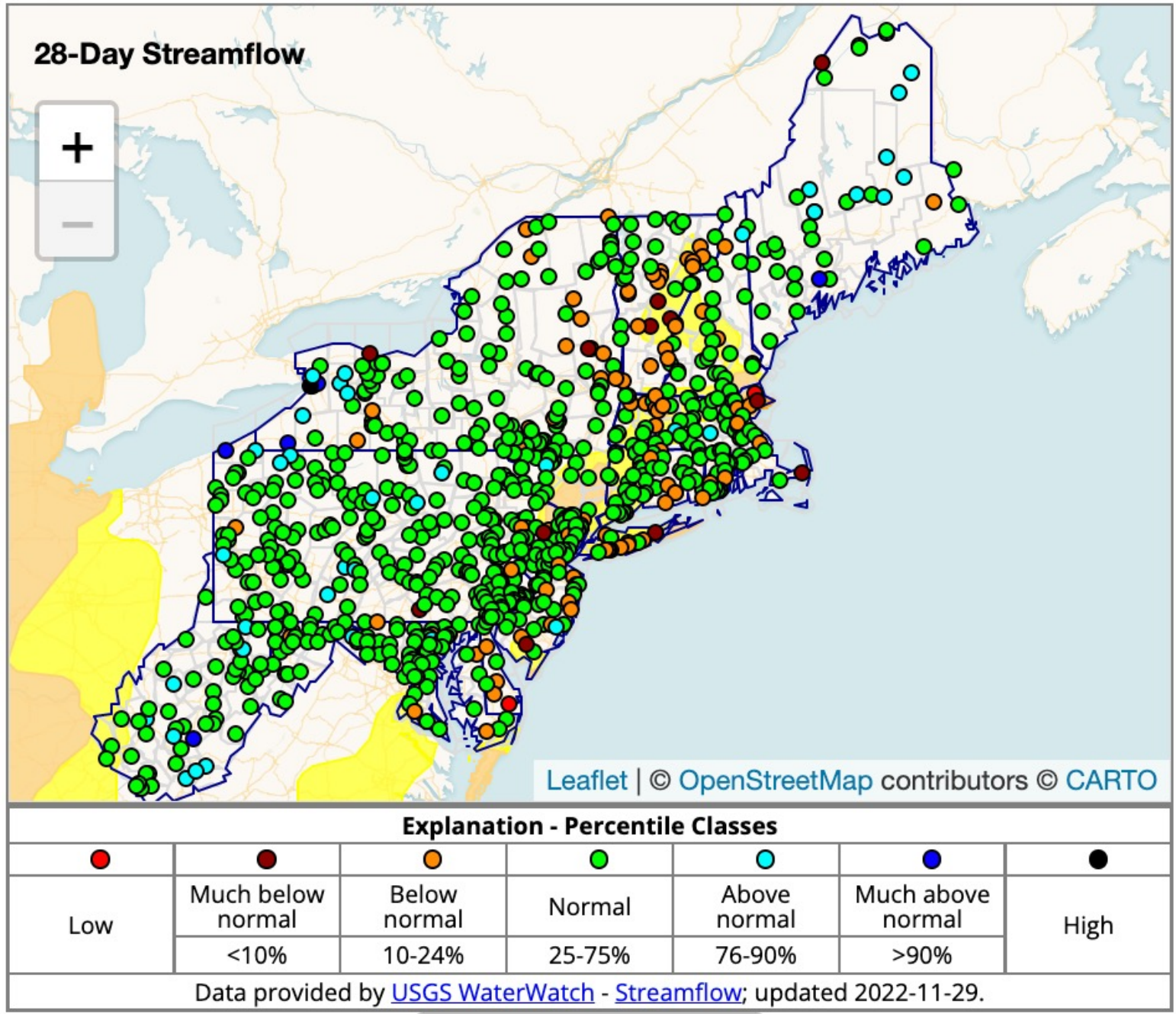


Soil Moisture

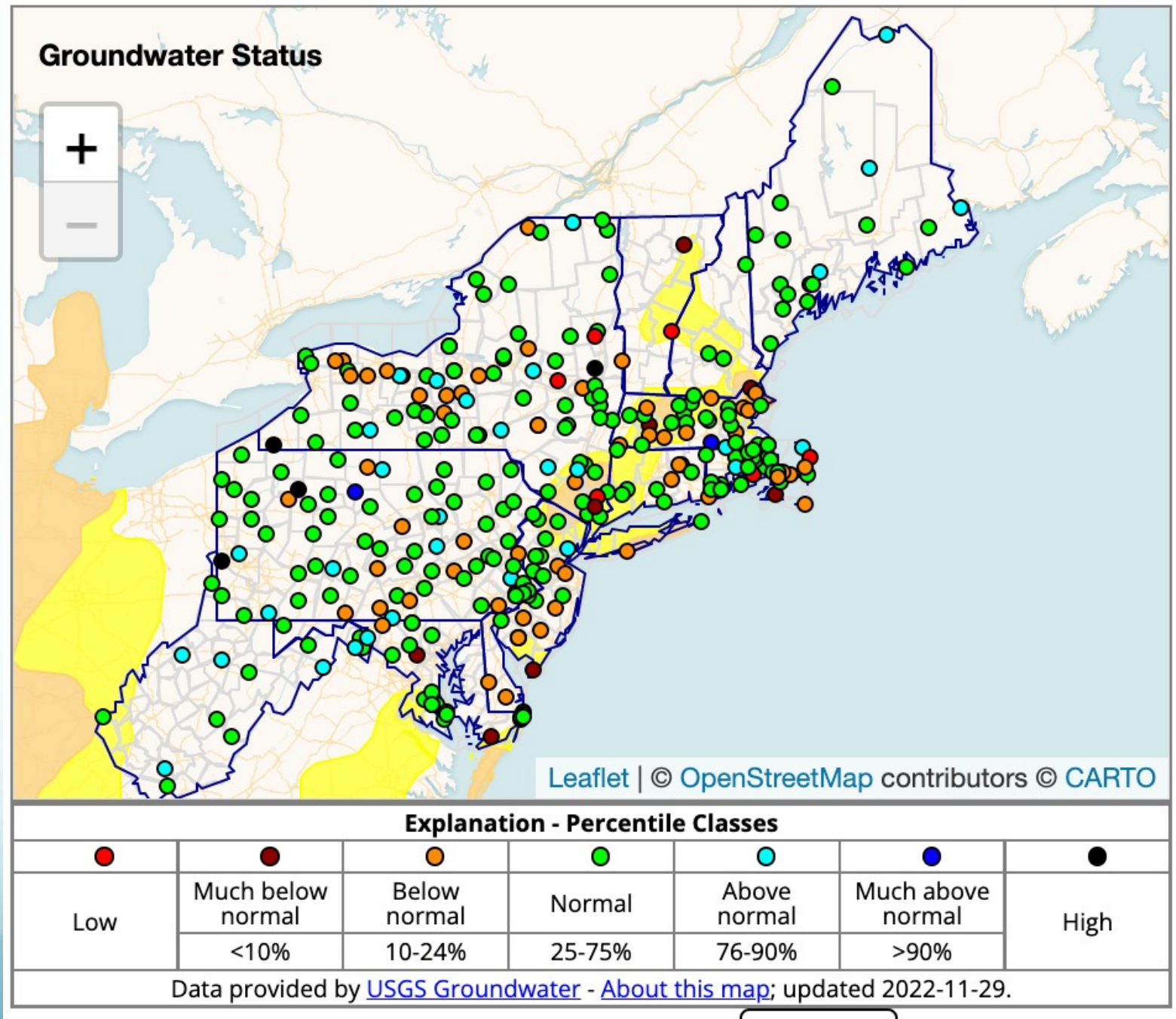
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 29 Nov 2022



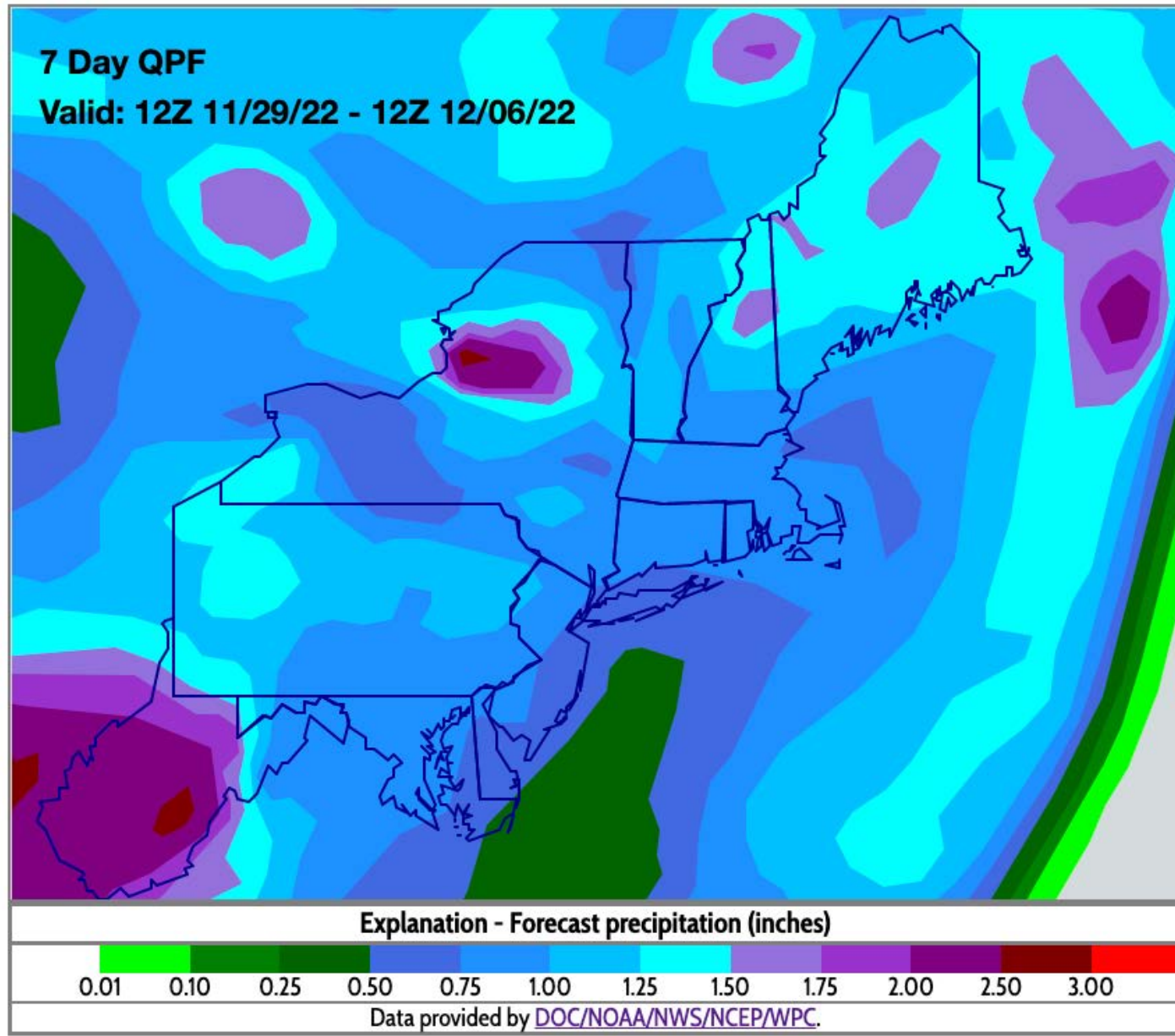
Streamflow



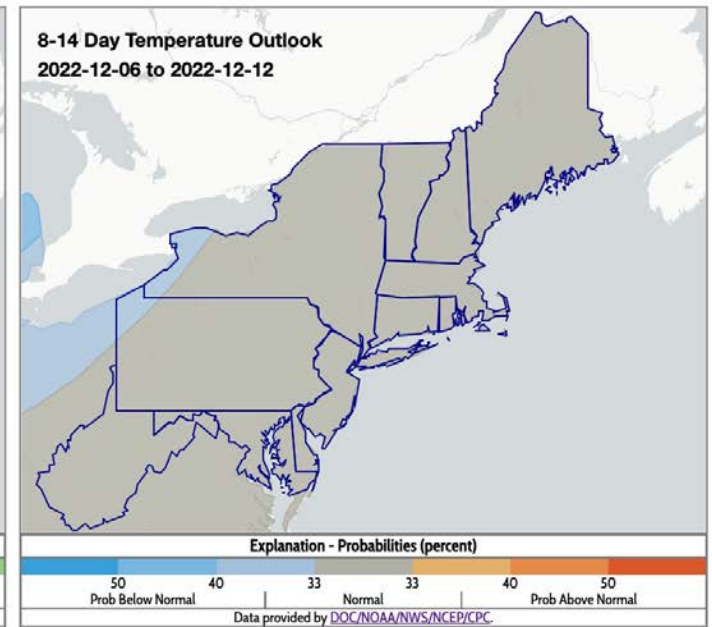
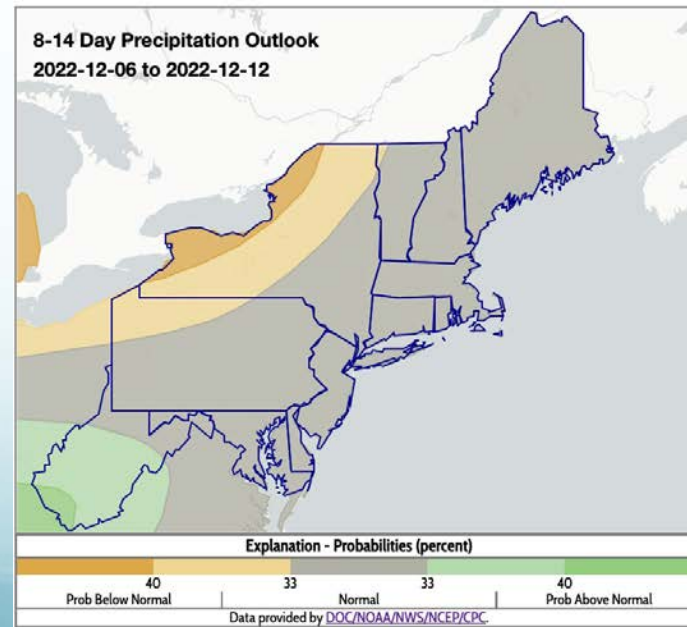
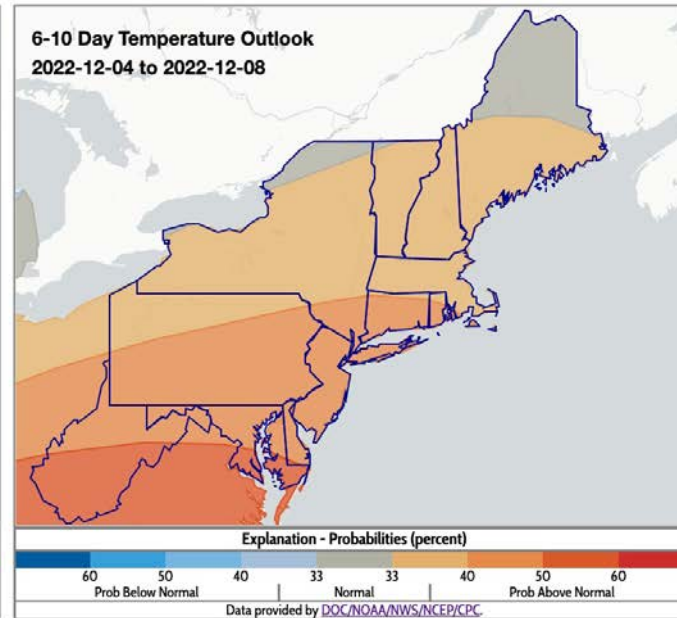
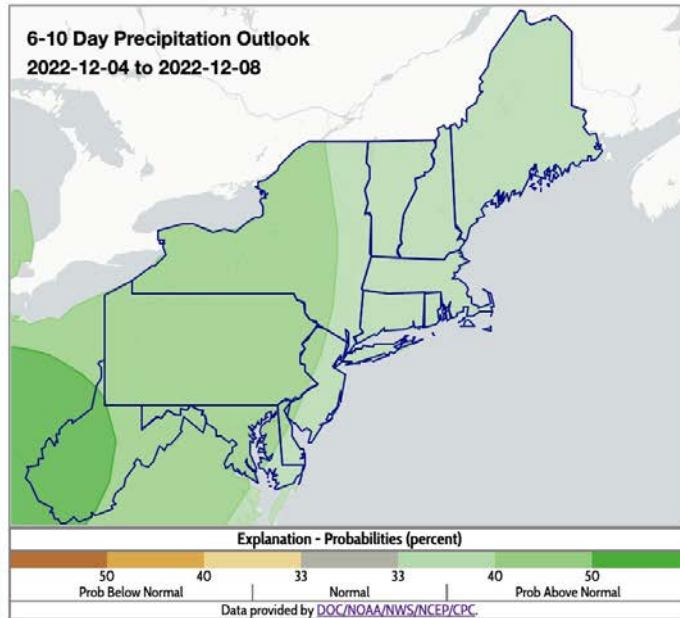
Groundwater



Precipitation Forecast



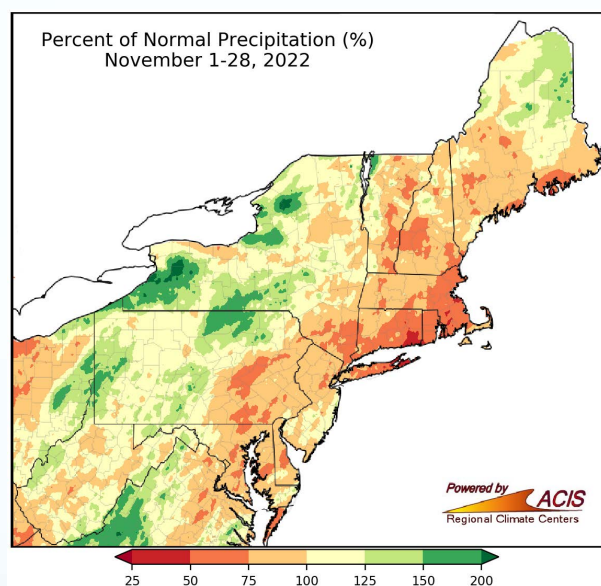
Short-term Outlooks



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

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



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