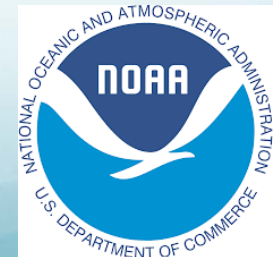


December Update & Northeast DEWS Discussion

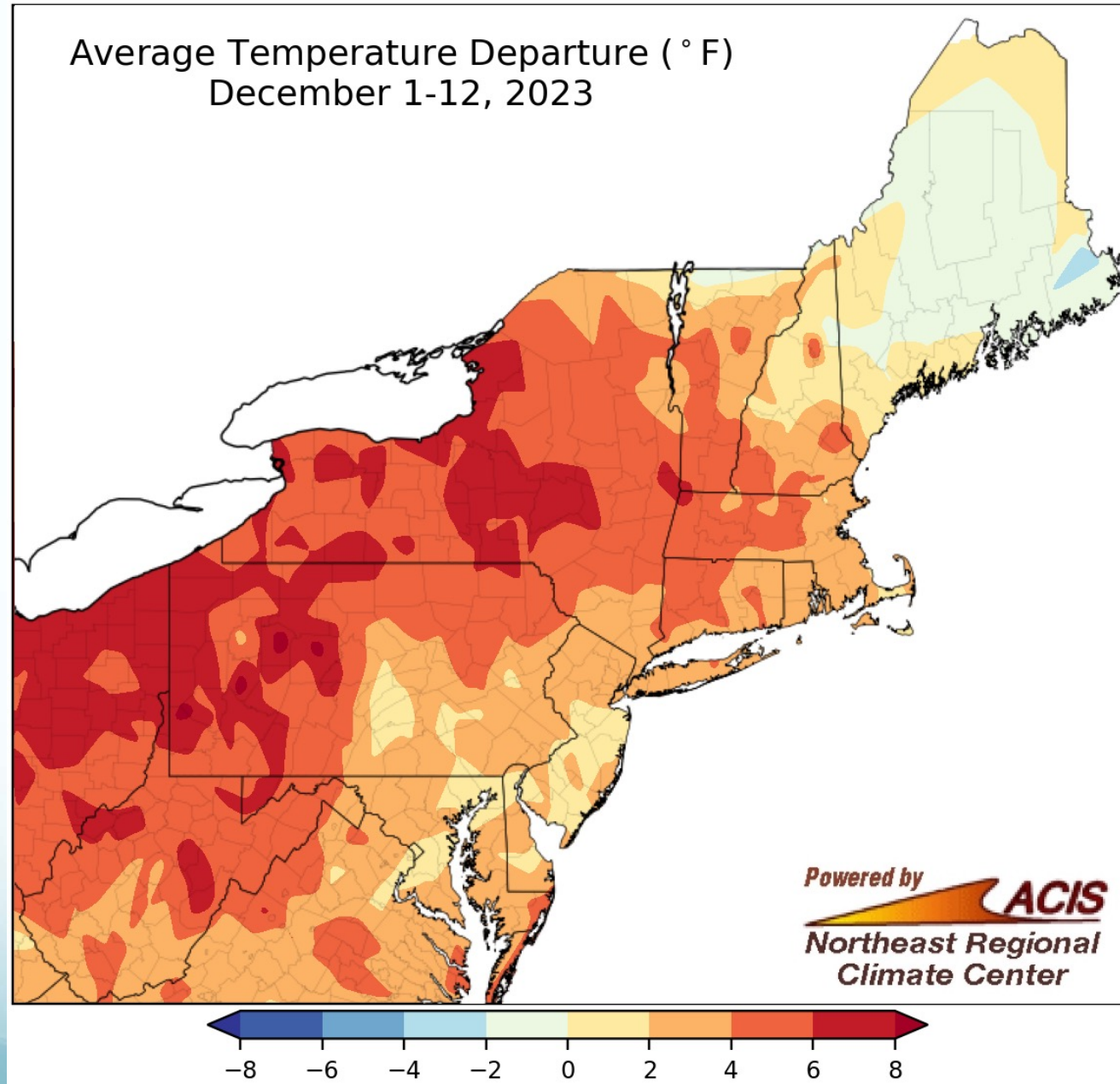
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center

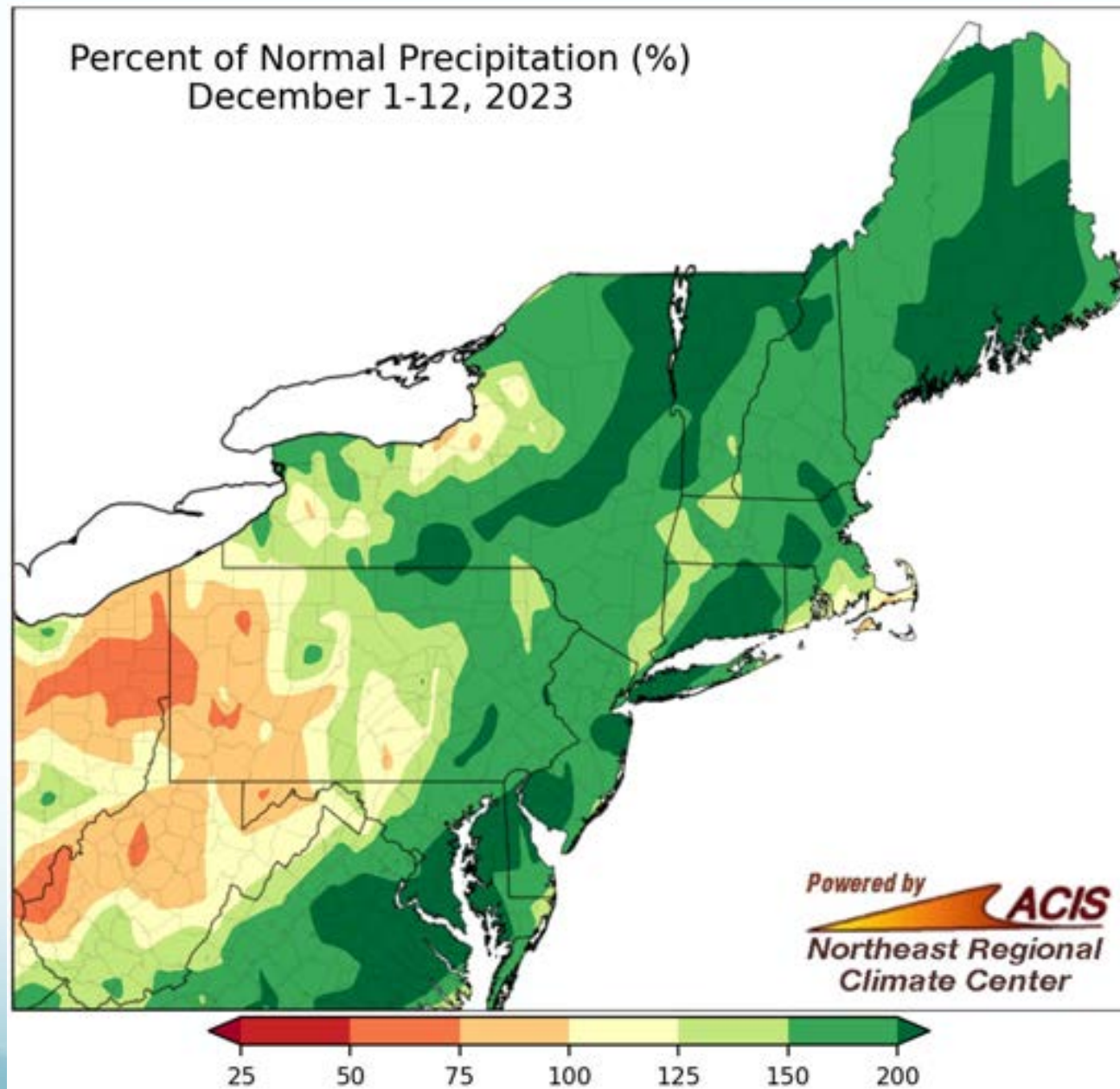


December Temperatures



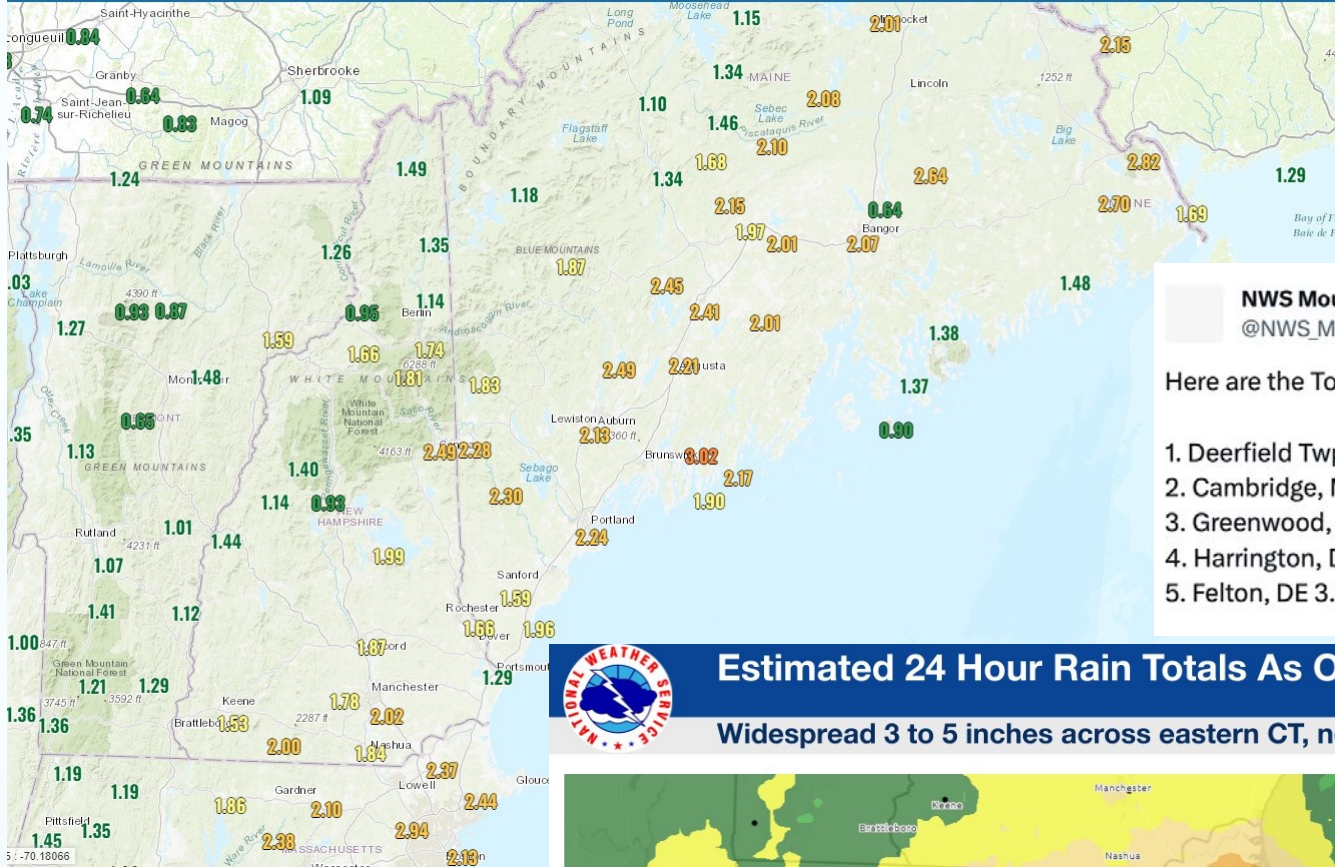
From 2°F below normal to 8°F above normal

December Precipitation



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





December Storms

NWS Mount Holly
@NWS_MountHolly

Here are the Top 5 Rainfall reports received from our spotters/observers:

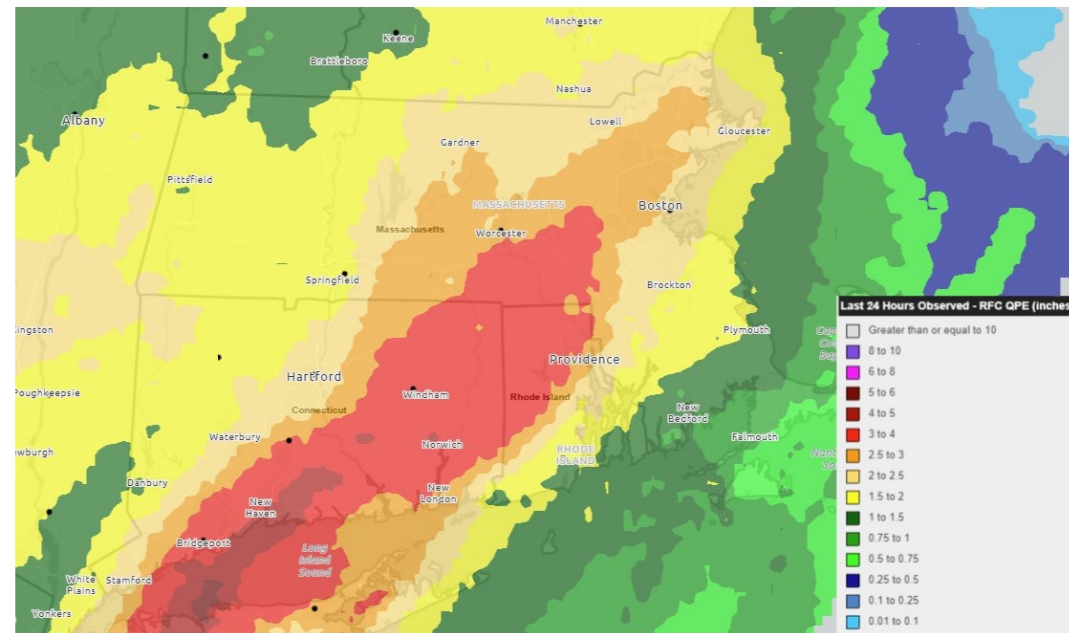
1. Deerfield Twp, NJ 4.45 in.
2. Cambridge, MD 4.36 in.
3. Greenwood, DE 4.04 in.
4. Harrington, DE 3.90 in.
5. Felton, DE 3.80 in.



Estimated 24 Hour Rain Totals As Of 8 am December 11 December 11, 2023

11:12 AM

Widespread 3 to 5 inches across eastern CT, northern RI and parts of central MA

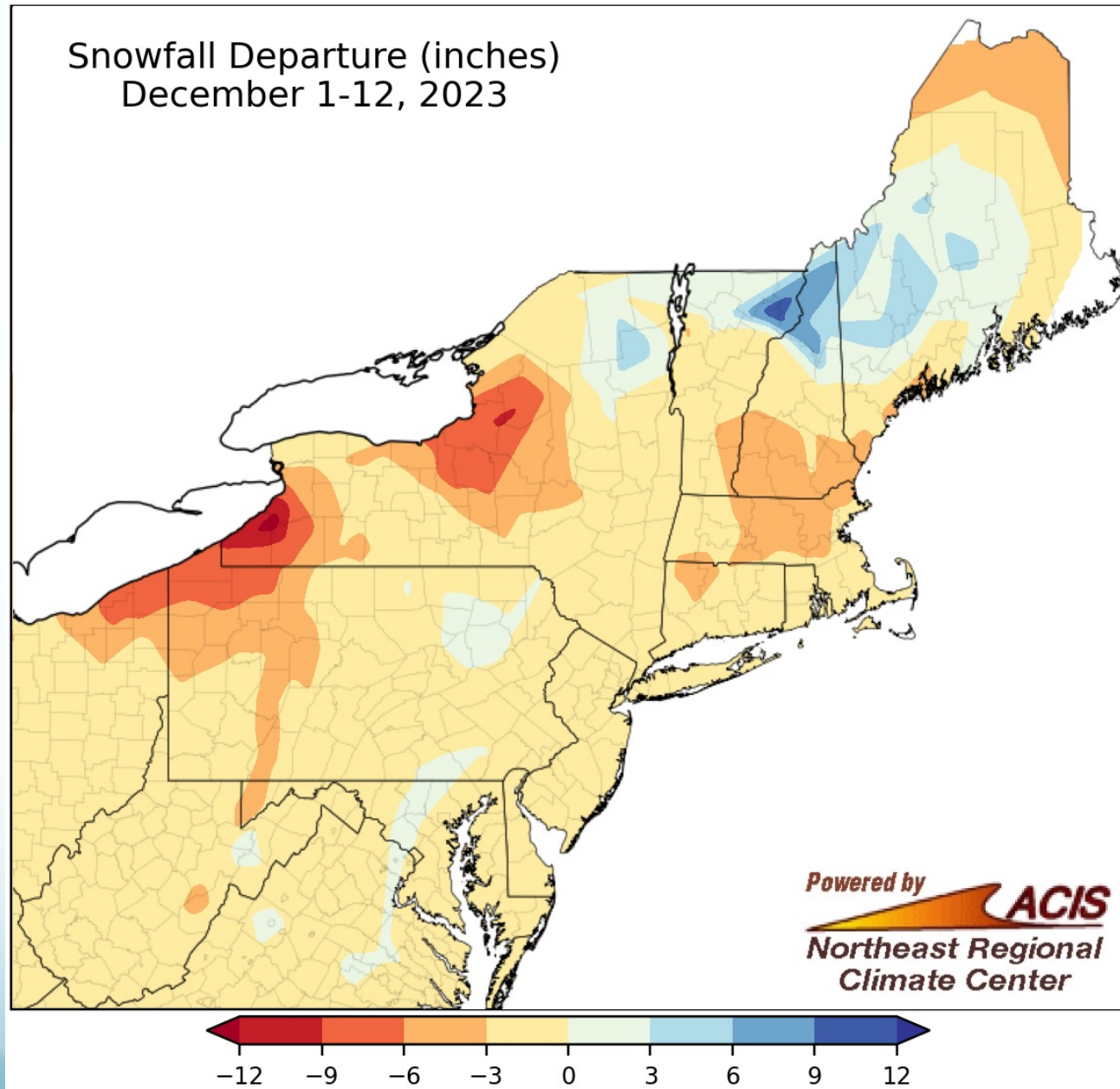


- Moosup CT: 5.15"
- East Killingly CT: 4.25"
- Coventry RI: 4.25"
- Hebron CT: 4.71"
- Storrs CT: 4.30"
- Columbia CT: 4.18"
- Natick MA: 4.01"
- Greenville RI: 3.72"
- Willimantic CT: 3.69"
- Woonsocket RI: 3.60"
- Smithfield RI: 3.38"
- Framingham MA: 3.30"
- Southington CT: 3.26"
- Monson MA: 3.00"
- Hope Valley RI: 2.82"
- Brimfield MA: 2.75"
- West Newbury MA: 2.66"
- Providence RI: 2.62"
- Beverly MA: 2.54"
- Norton MA: 2.24"

Courtesy of
NWS GYX



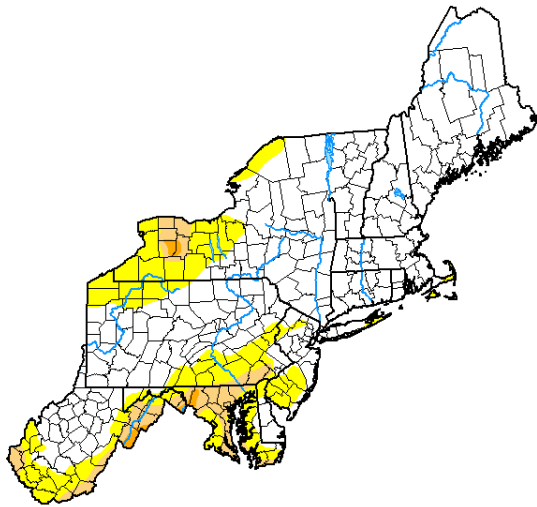
December Snowfall



From more than 6" below normal to more than 6" above normal

Drought Monitor

U.S. Drought Monitor Northeast

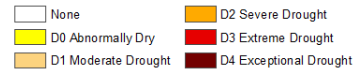


November 28, 2023
(Released Thursday, Nov. 30, 2023)
Valid 7 a.m. EST

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 01-03-2023	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 11-29-2022	89.43	8.52	1.93	0.13	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>

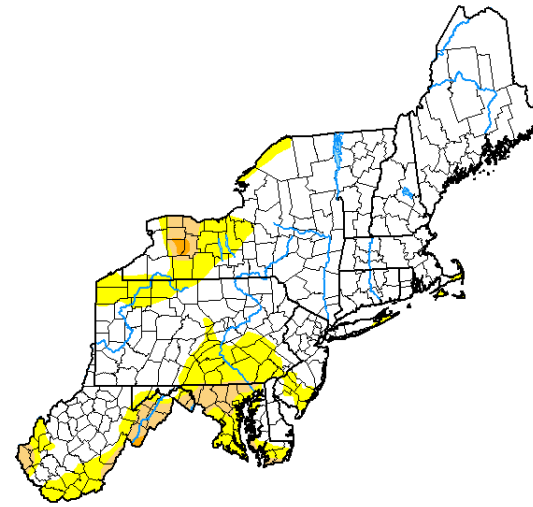
Author:

David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast



December 12, 2023
(Released Thursday, Dec. 14, 2023)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	77.44	17.58	4.65	0.34	0.00	0.00
Last Week 12-05-2023	74.67	18.88	5.74	0.71	0.00	0.00
3 Months Ago 09-12-2023	92.77	4.84	2.30	0.09	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 12-13-2022	88.20	9.94	1.72	0.13	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:

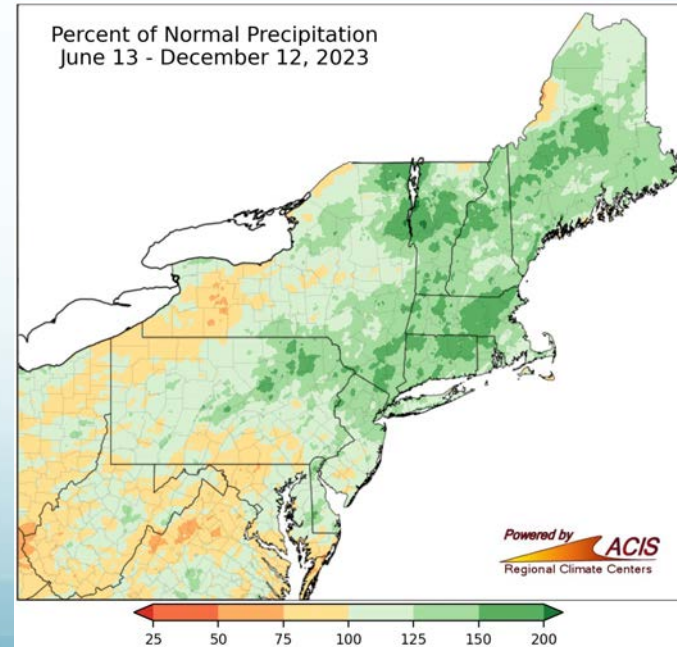
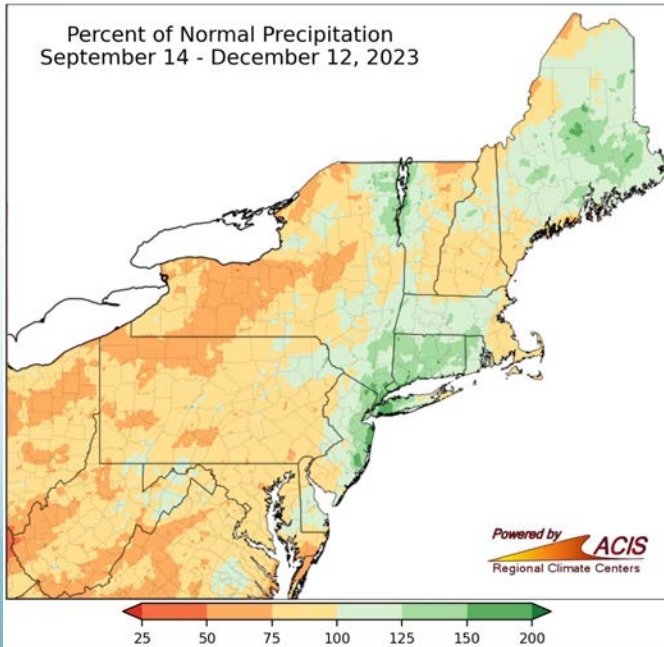
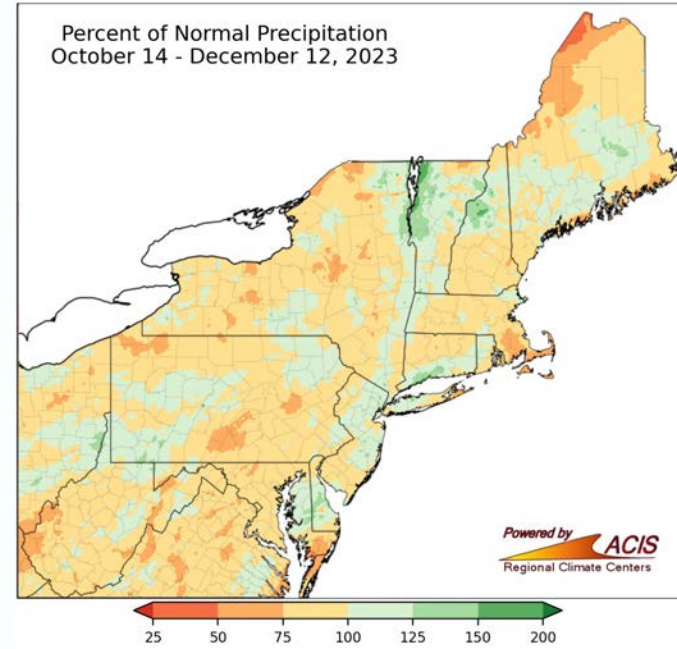
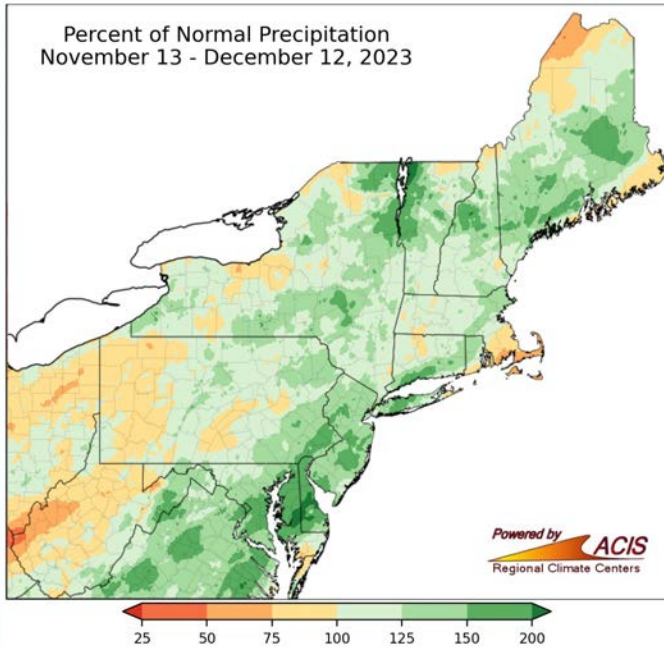
Curtis Riganti
National Drought Mitigation Center



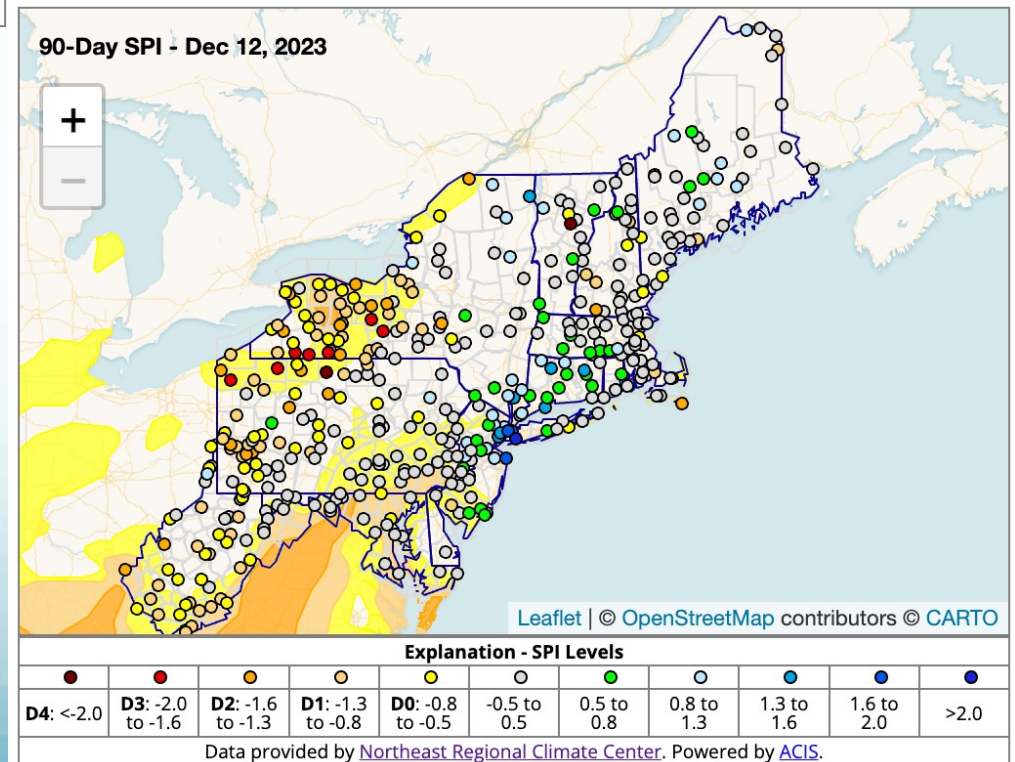
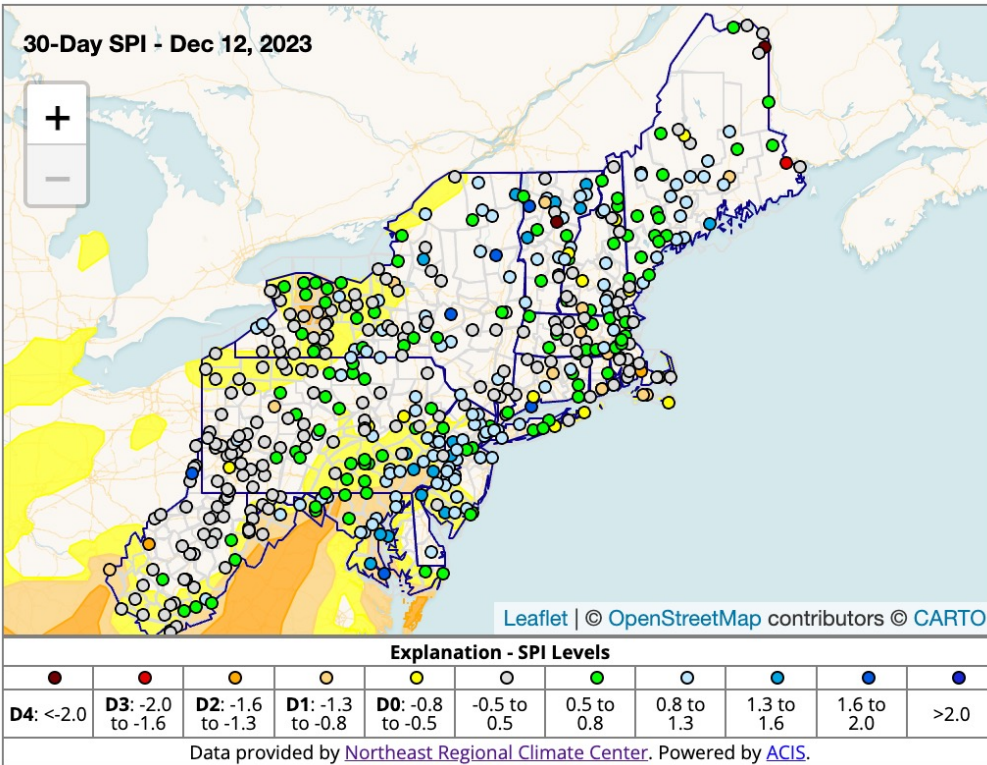
droughtmonitor.unl.edu



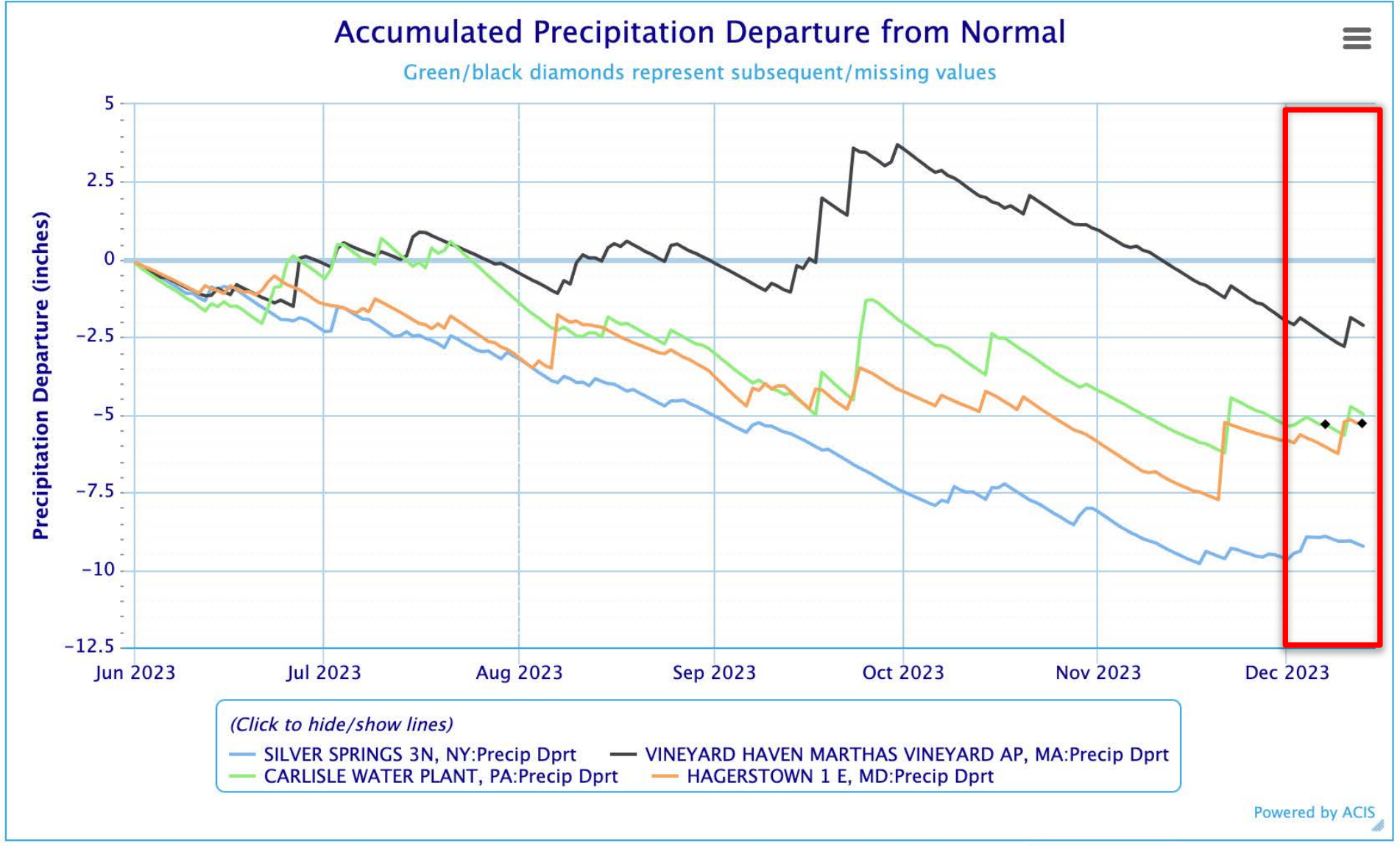
Precipitation



Standardized Precipitation Index

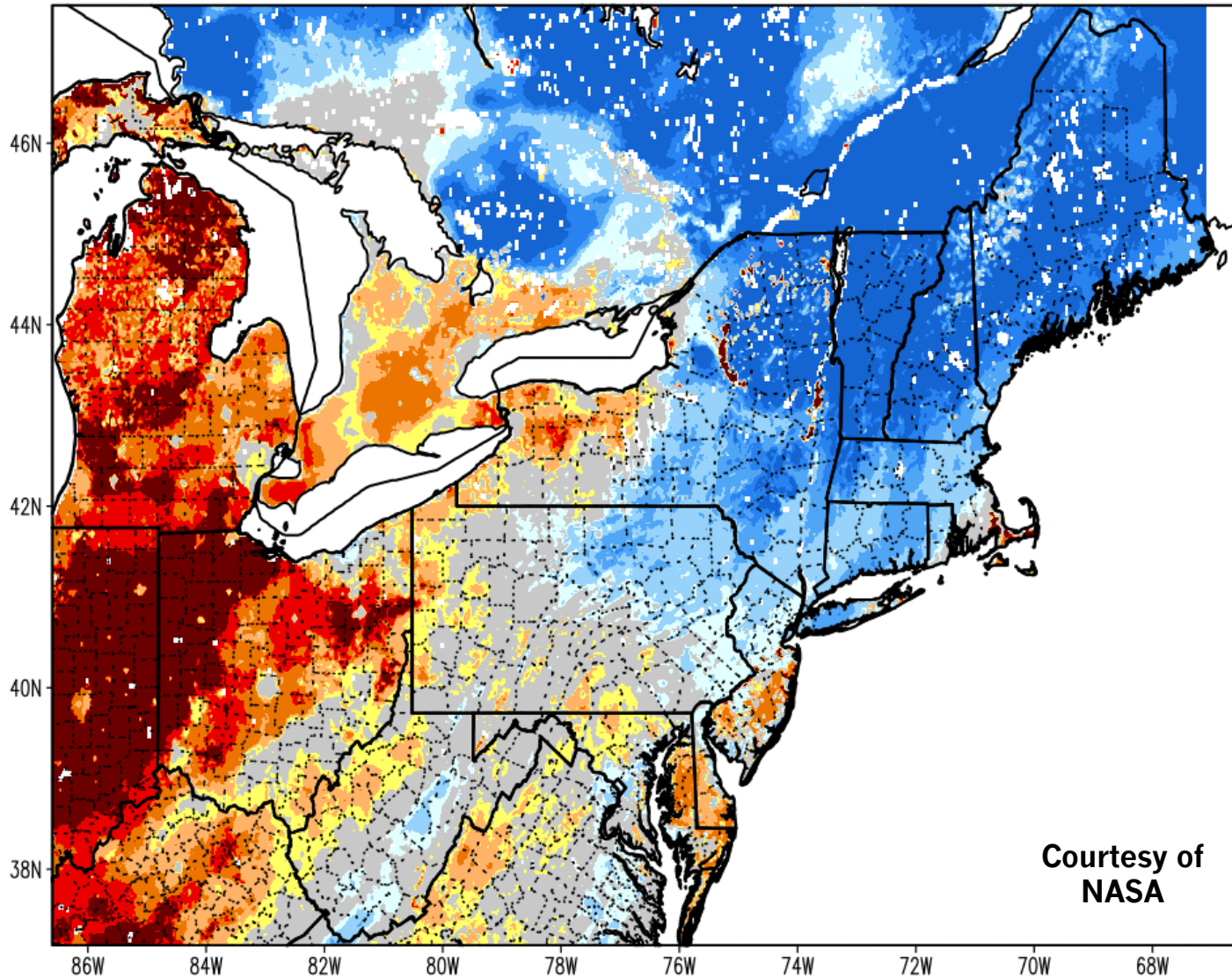


Precipitation

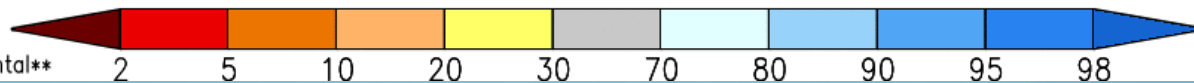


Soil Moisture

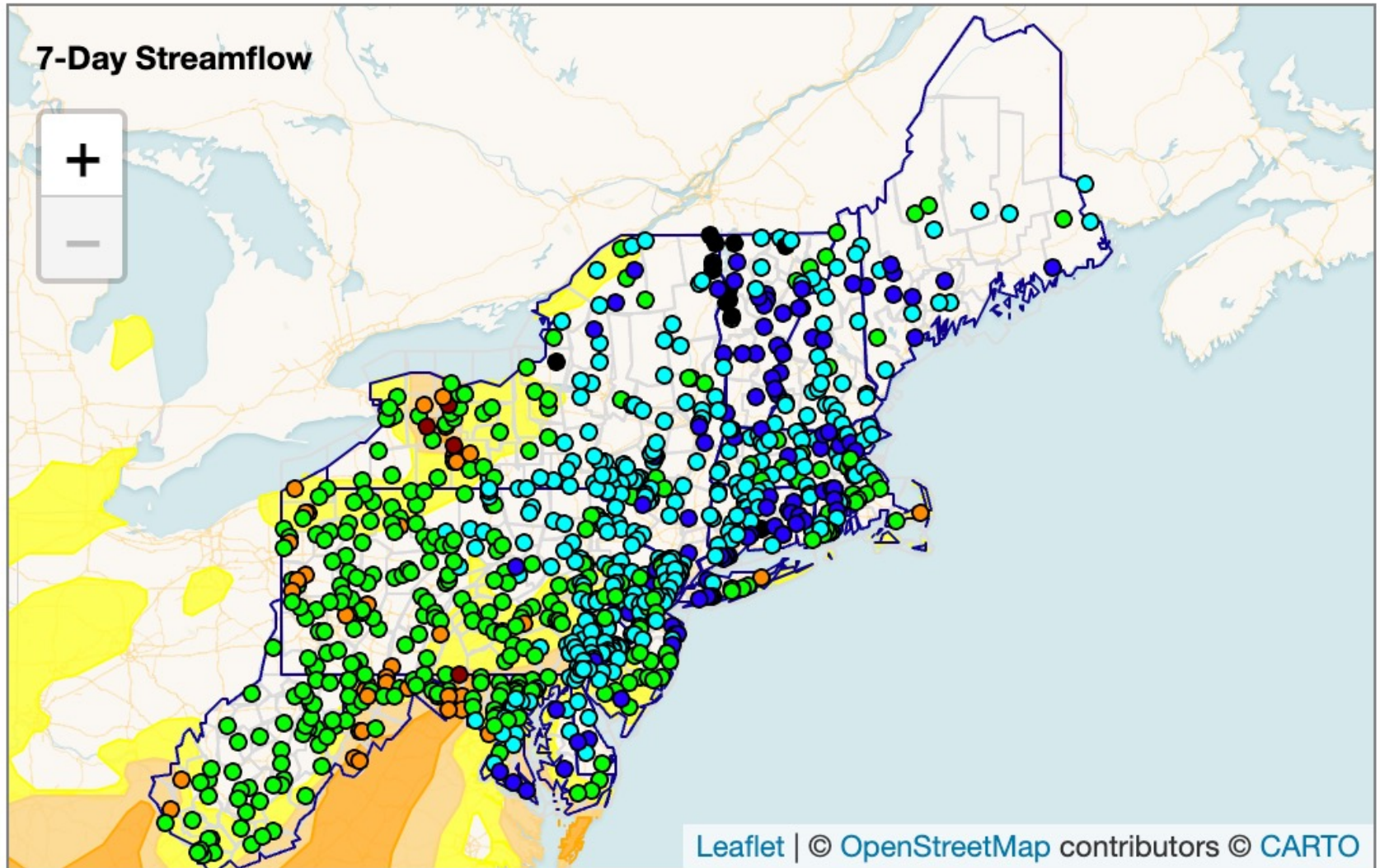
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 14 Dec 2023



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



Streamflow



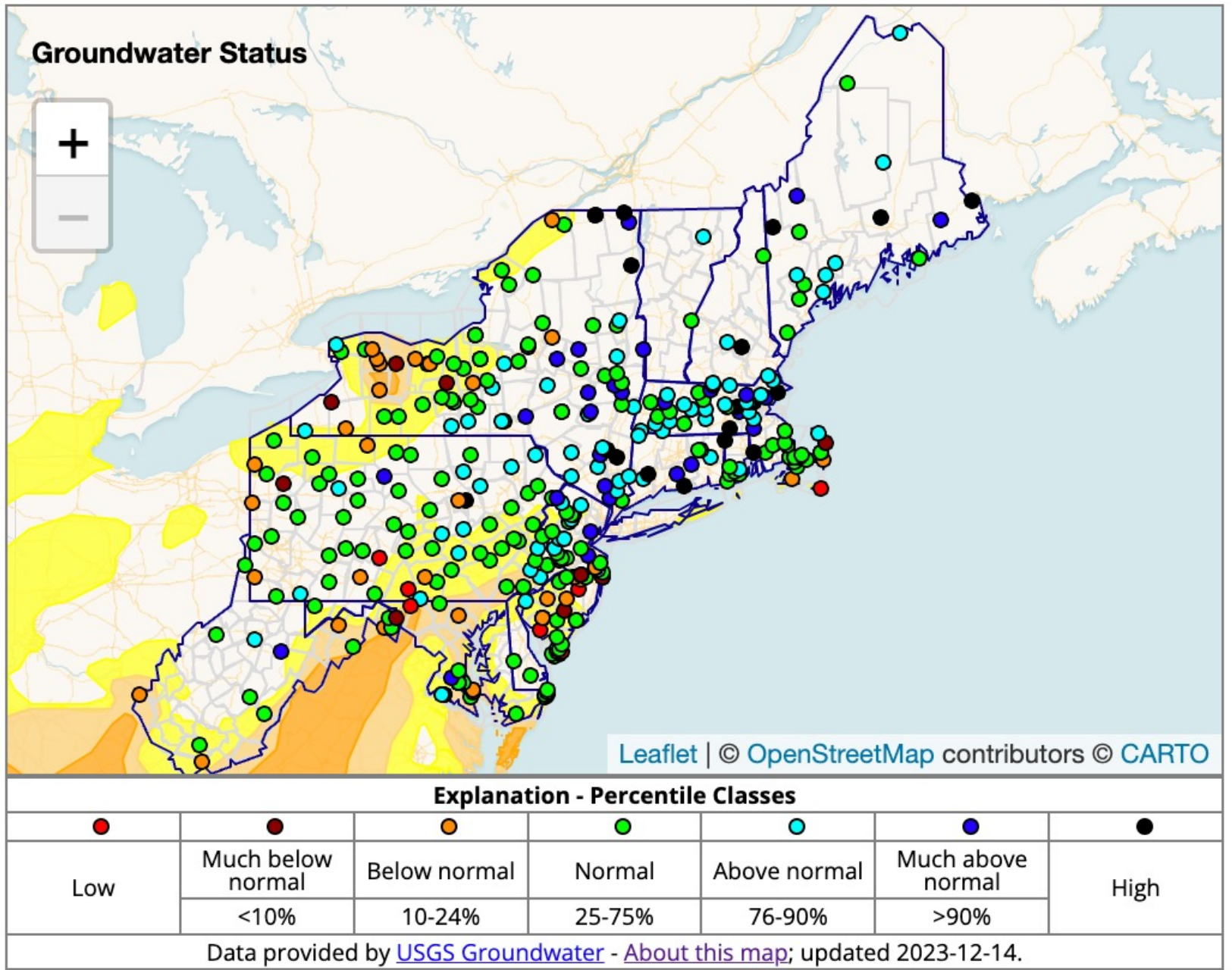
Explanation - Percentile Classes

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

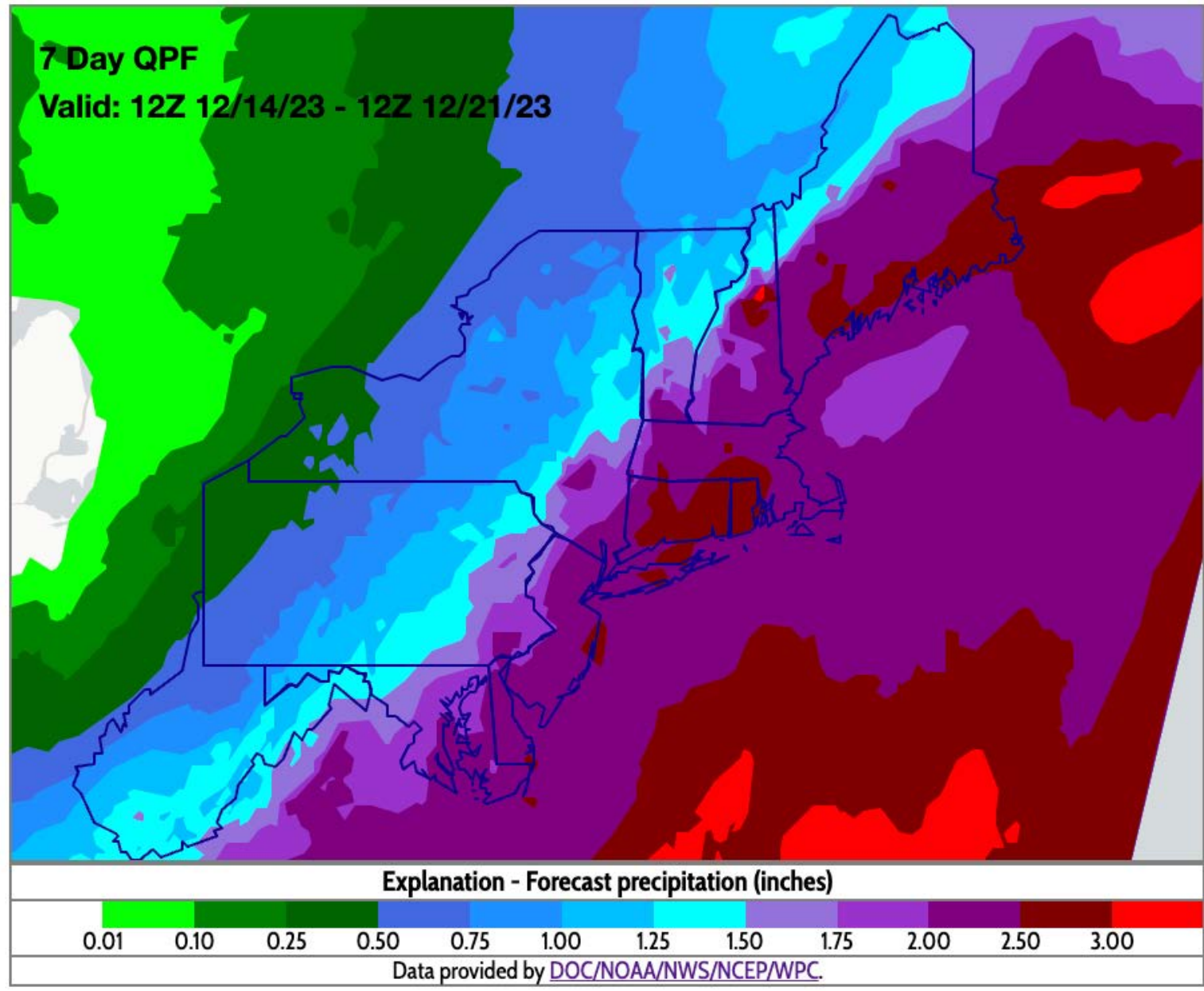
Data provided by [USGS WaterWatch - Streamflow](#); updated 2023-12-13.



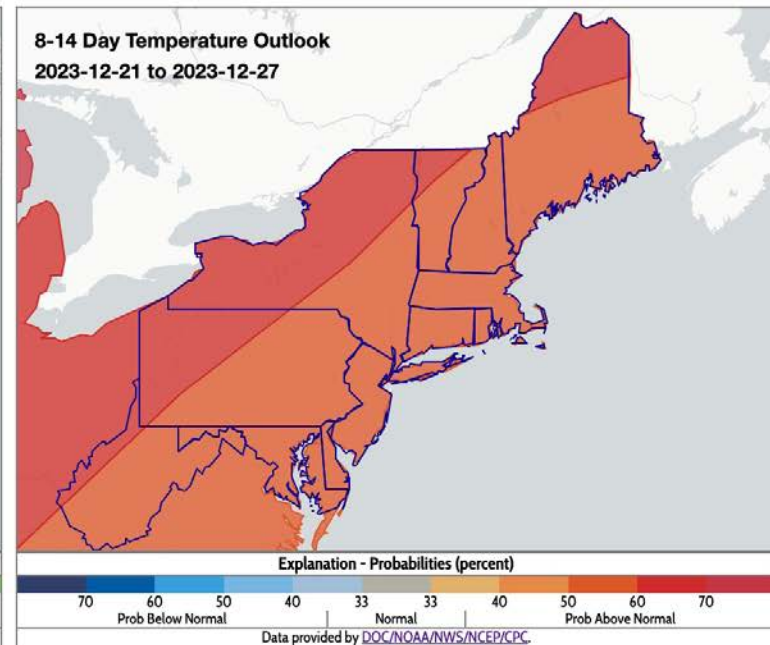
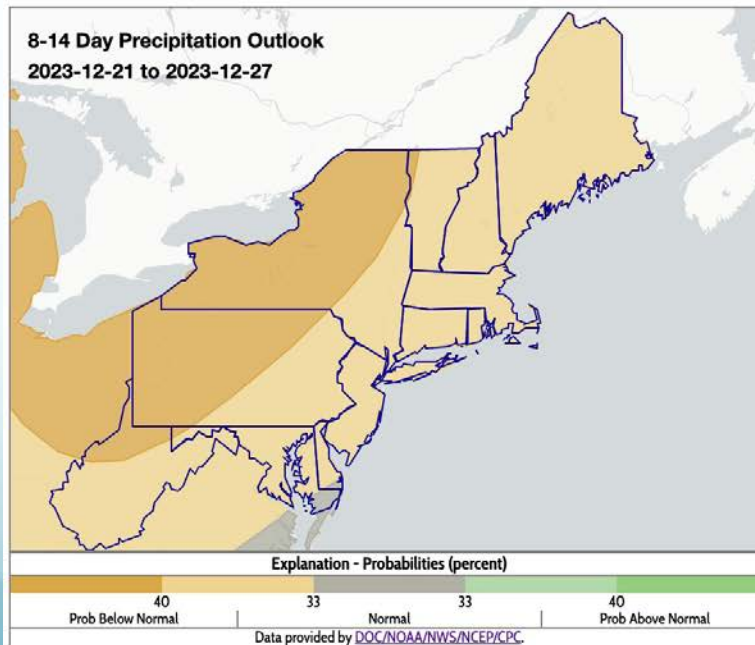
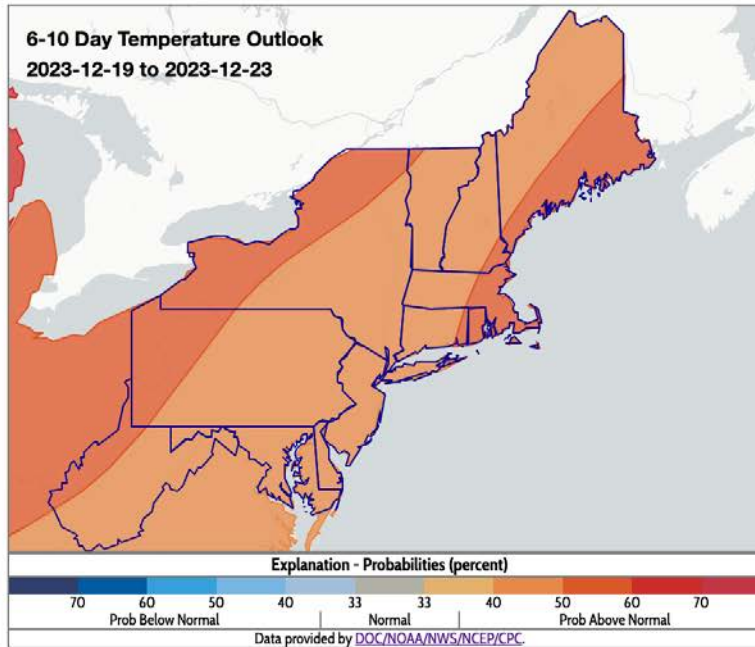
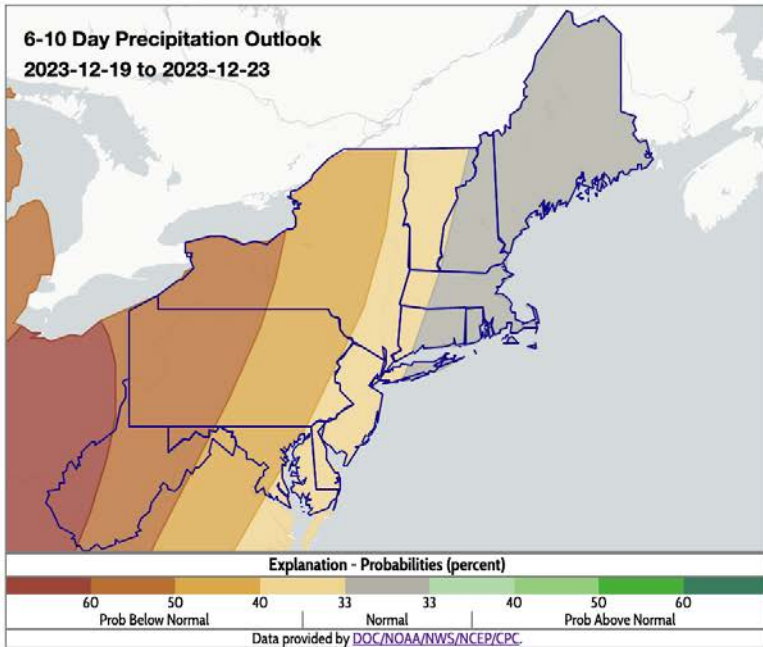
Groundwater



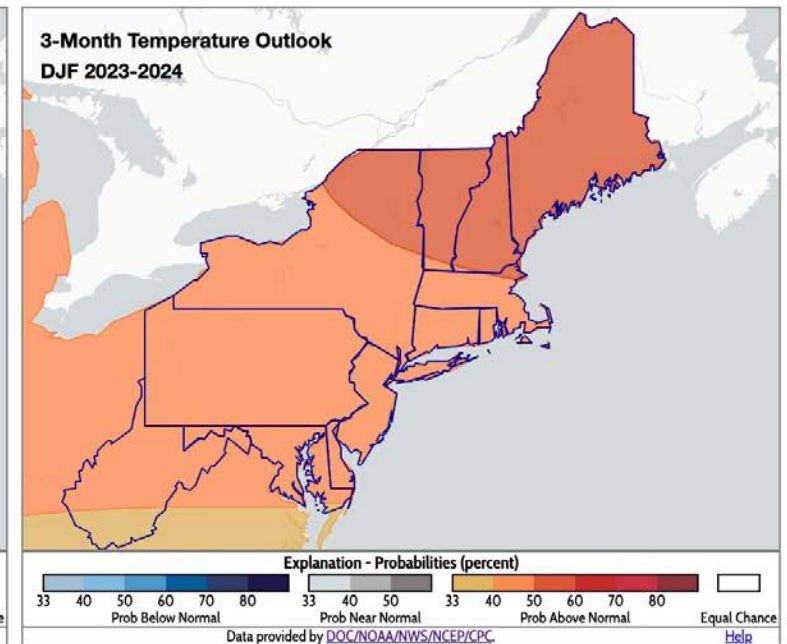
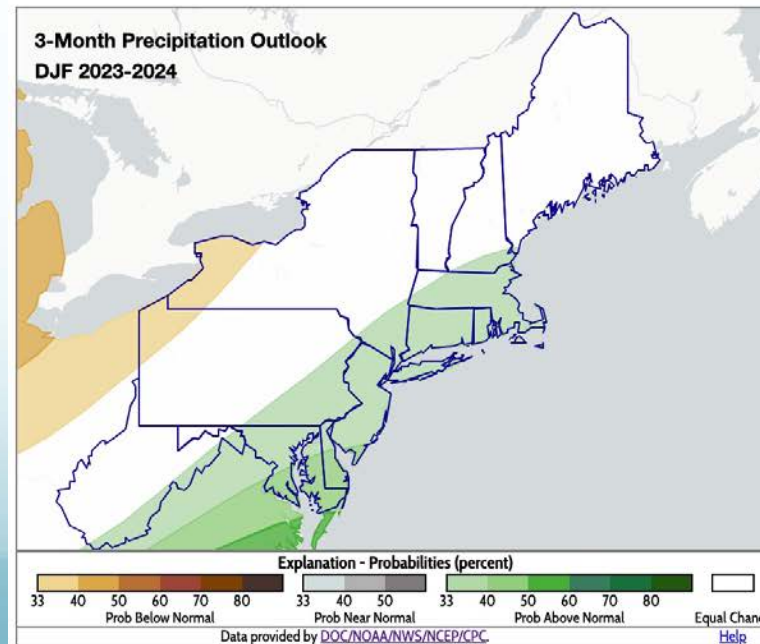
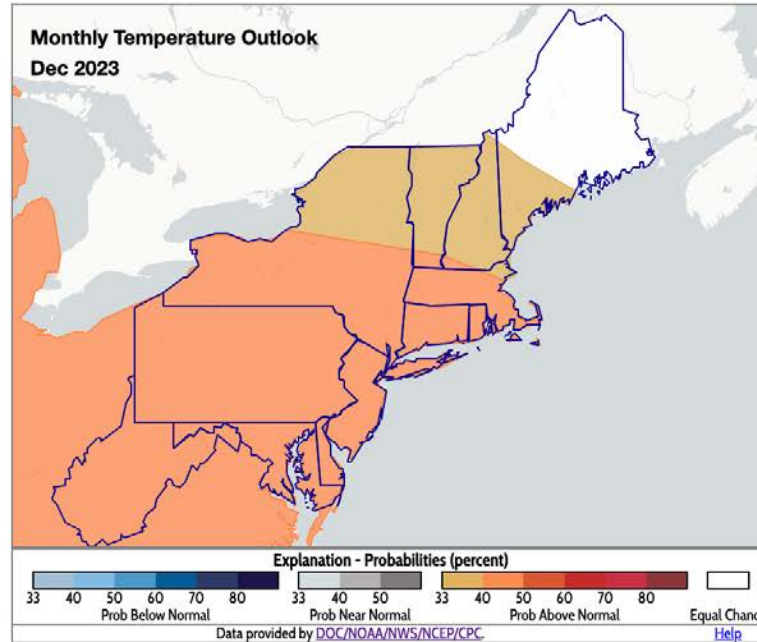
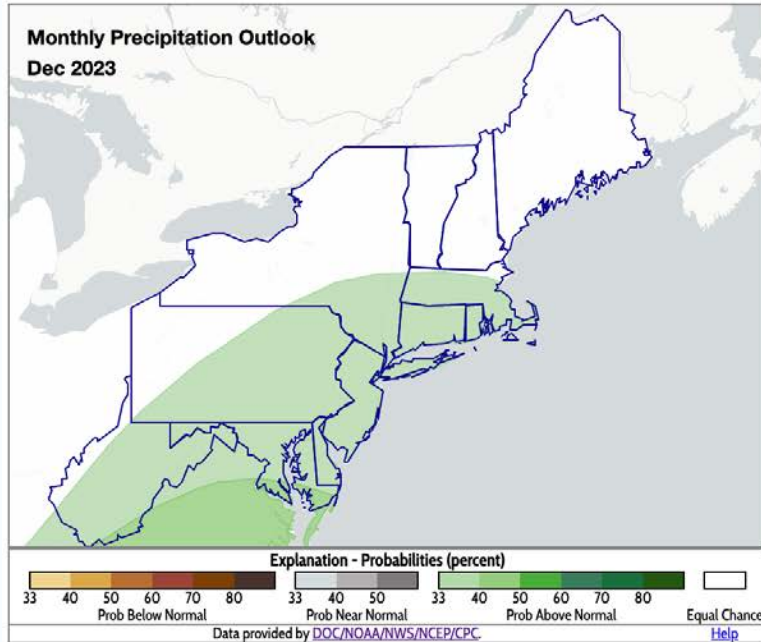
Precipitation Forecast



Short-term Outlooks



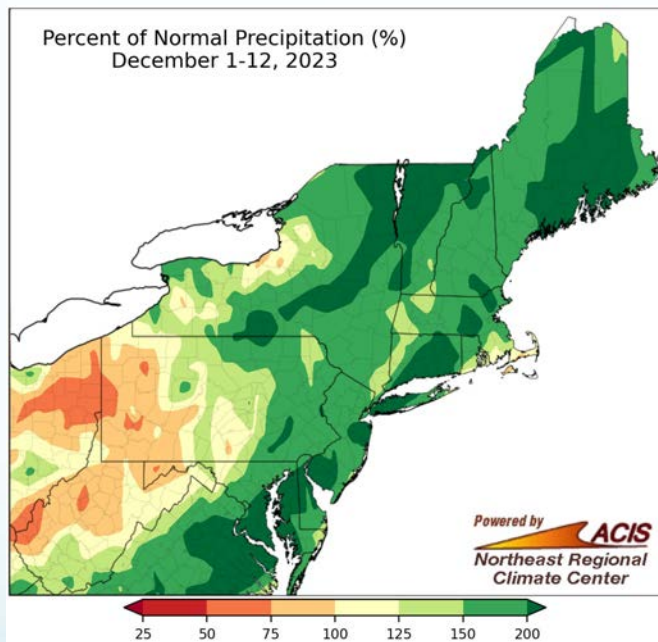
Monthly & 3-Month Outlooks



Summary

December-to-date conditions:

- Above-normal temperatures for most of the region
- Above-normal precipitation for many areas



Drought:

- Above-normal precipitation chipped away at drought and dryness but no widespread improvements since late November

Outlooks:

- Short-term: below- or near-normal precipitation and above-normal temperatures for the region
- Dec: tilt toward above-normal precipitation and above-normal temperatures for some areas
- Dec-Feb: tilt toward above-normal precipitation for coastal areas but below-normal for some interior locations; above-normal temperatures favored for all



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Tuesday, January 30 at 9:30am EST
 - CMIP6 Projections of Extreme Rainfall
- 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

