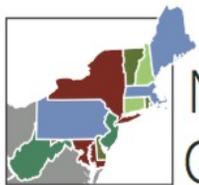


December Conditions & Northeast DEWS Discussion

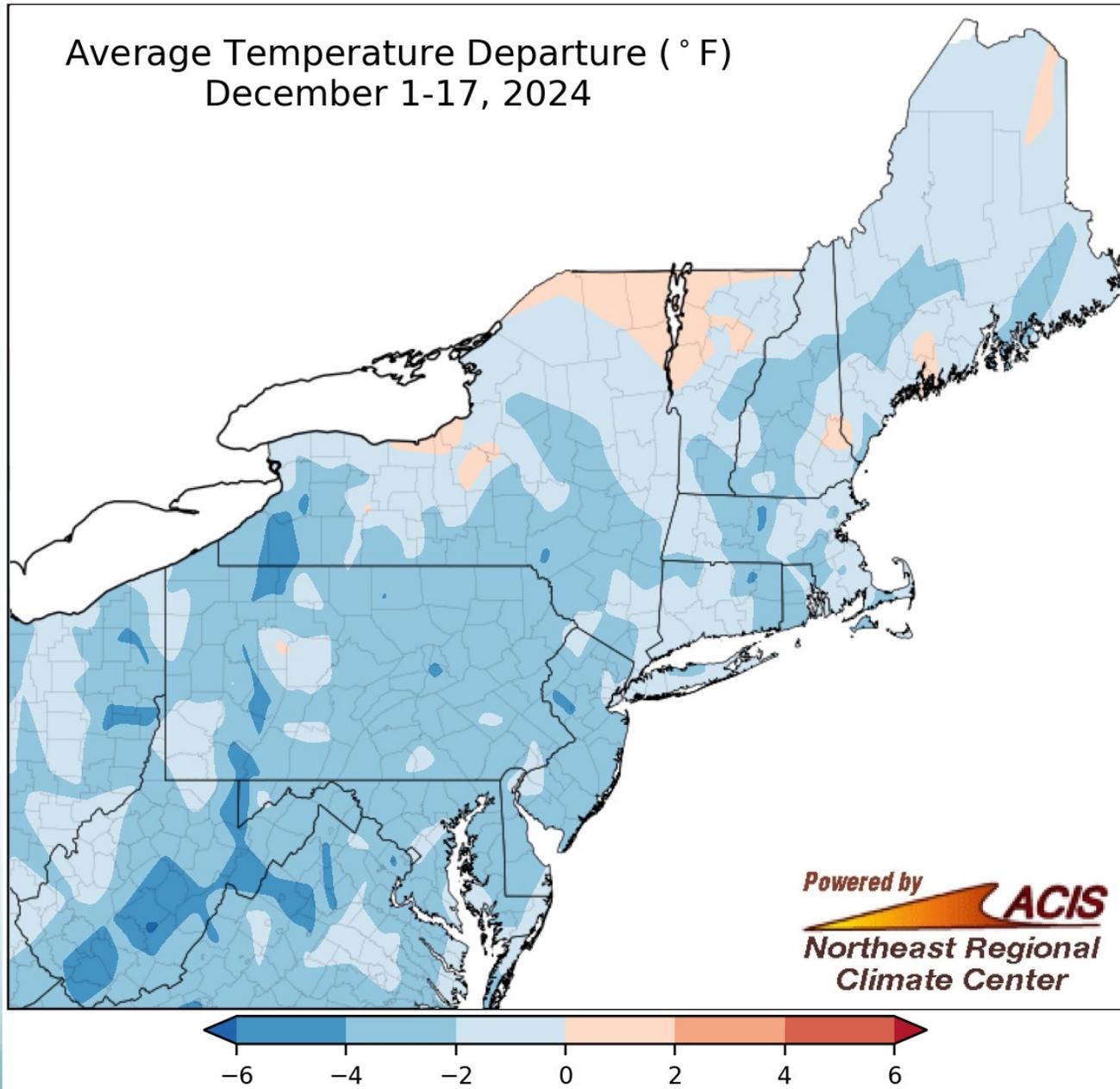
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center



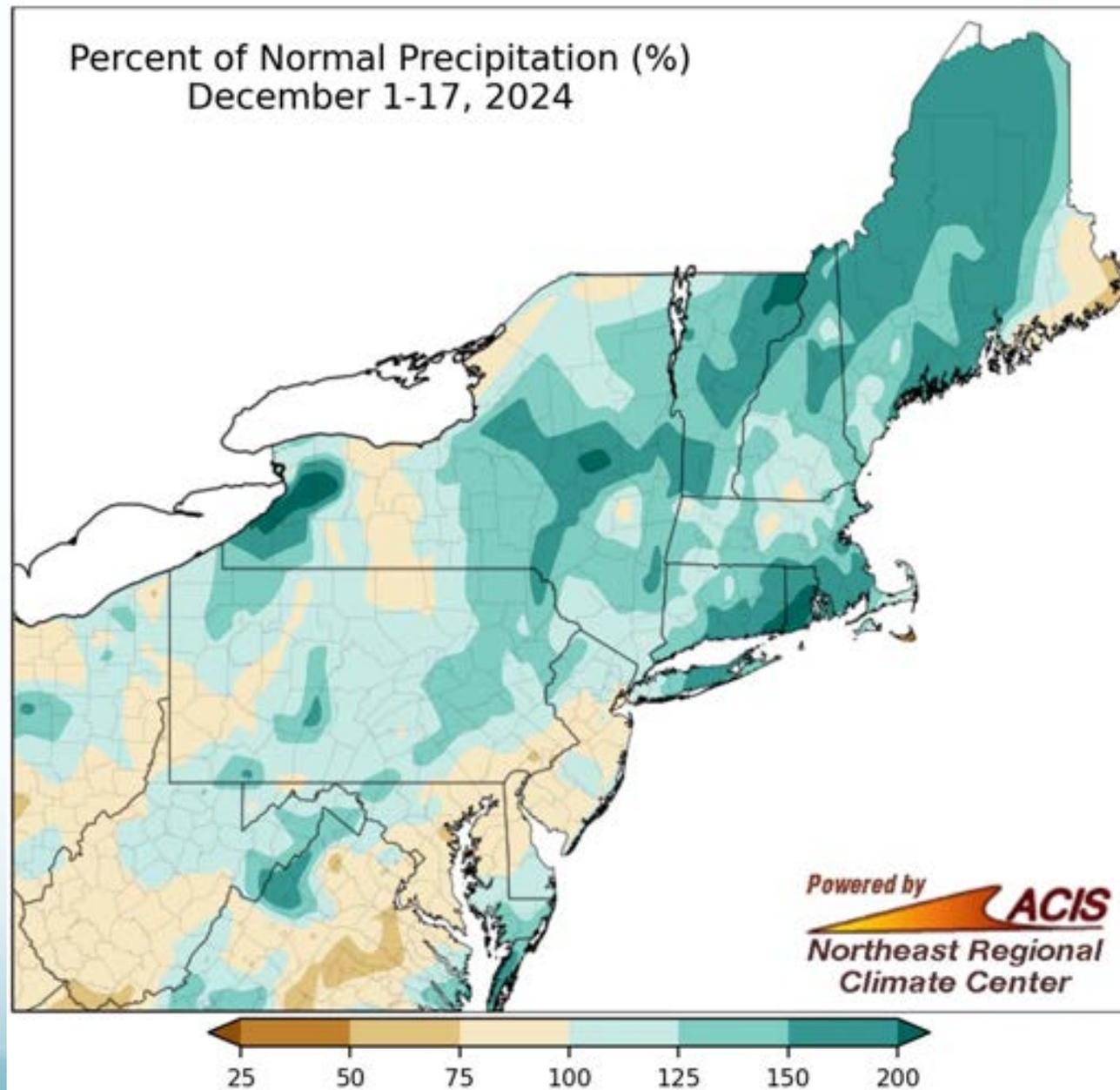
December Temperatures



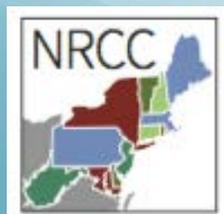
From 6°F below normal to 2°F above normal



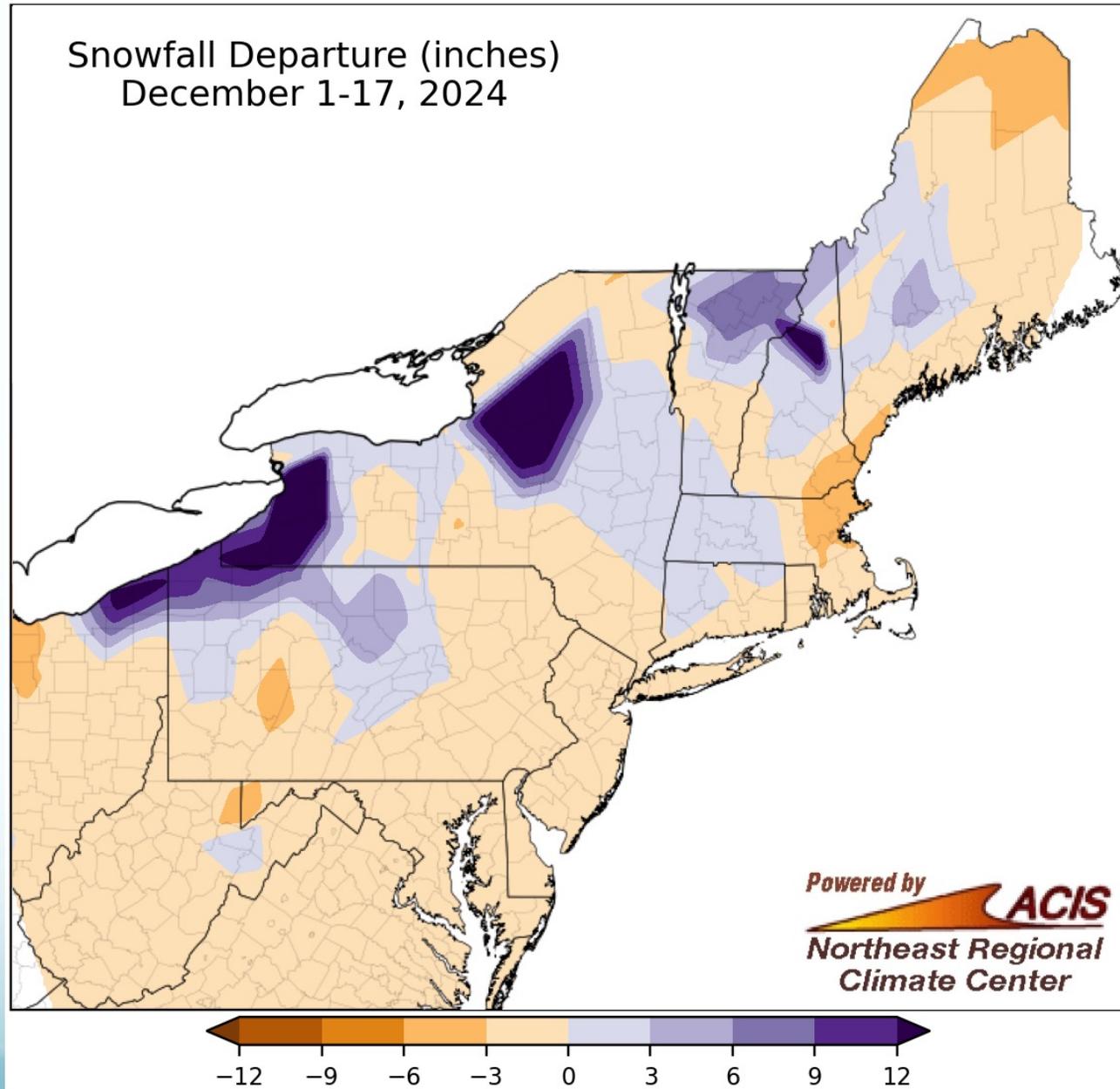
December Precipitation



From 75% of normal to over 200% of normal



December Snowfall

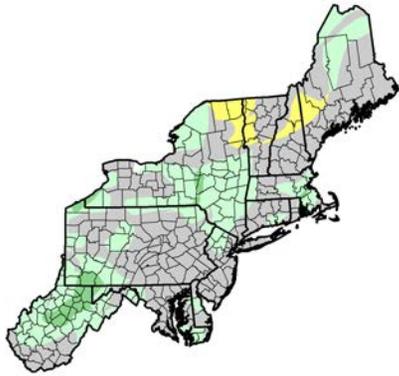


From 6" below normal to over 12" above normal



Drought Monitor

U.S. Drought Monitor Class Change - Northeast Climate Region 3 Week



December 17, 2024
compared to
November 26, 2024

droughtmonitor.unl.edu

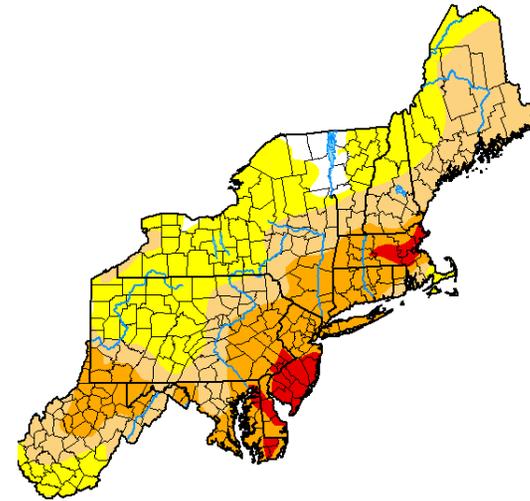


U.S. Drought Monitor Northeast

November 26, 2024
(Released Wednesday, Nov. 27, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	3.20	35.64	33.12	23.94	4.11	0.00
Last Week 11-19-2024	3.15	35.46	31.00	24.54	5.86	0.00
3 Months Ago 08-27-2024	77.85	6.85	3.09	7.28	4.25	0.69
Start of Calendar Year 01-02-2024	87.20	10.30	1.83	0.67	0.00	0.00
Start of Water Year 10-01-2024	45.94	34.77	9.37	4.97	4.27	0.67
One Year Ago 11-28-2023	74.36	19.18	5.76	0.71	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



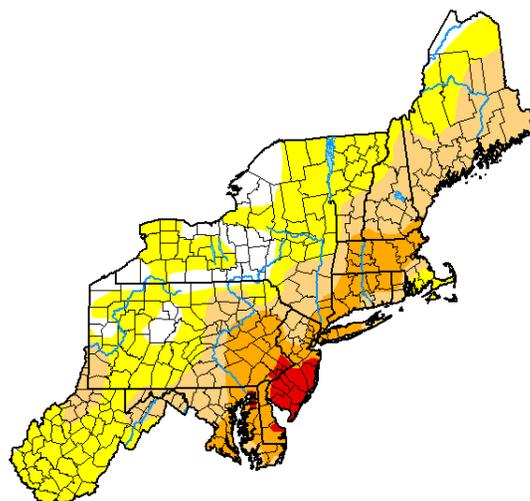
droughtmonitor.unl.edu

U.S. Drought Monitor Northeast

December 17, 2024
(Released Thursday, Dec. 19, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	11.34	42.63	29.02	14.63	2.37	0.00
Last Week 12-10-2024	3.03	32.01	41.66	19.35	3.96	0.00
3 Months Ago 09-17-2024	67.38	15.93	3.77	4.91	6.20	1.81
Start of Calendar Year 01-02-2024	87.20	10.30	1.83	0.67	0.00	0.00
Start of Water Year 10-01-2024	45.94	34.77	9.37	4.97	4.27	0.67
One Year Ago 12-19-2023	83.93	12.68	2.71	0.68	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:

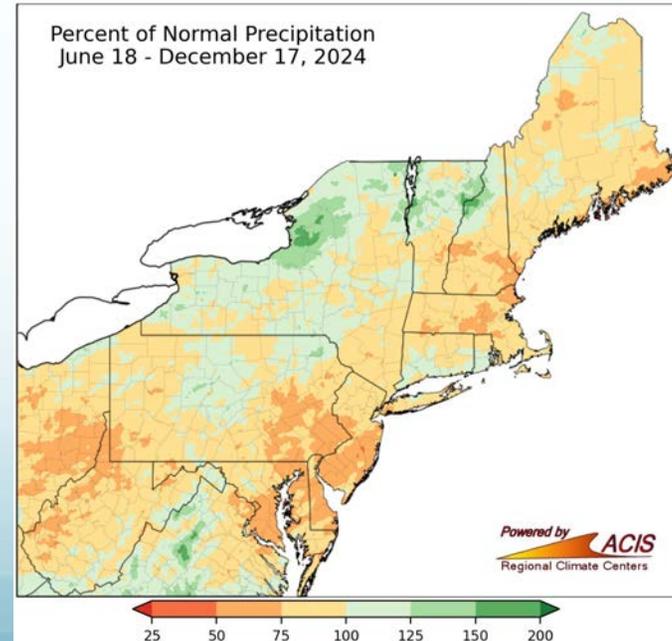
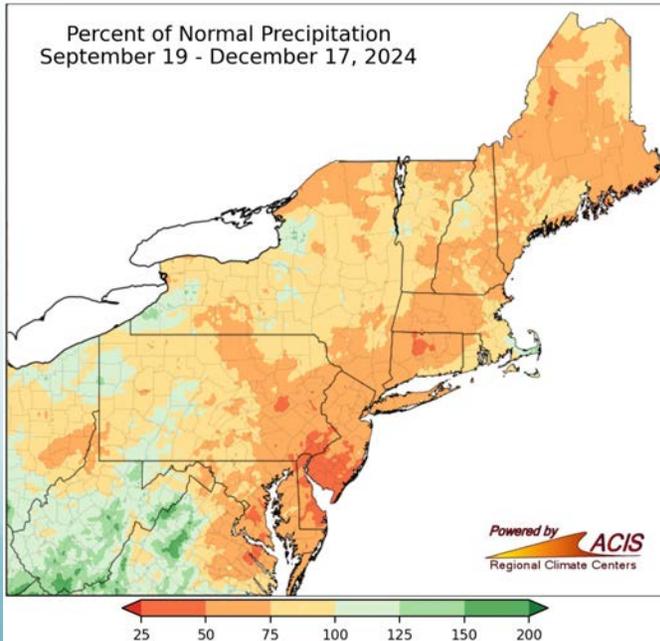
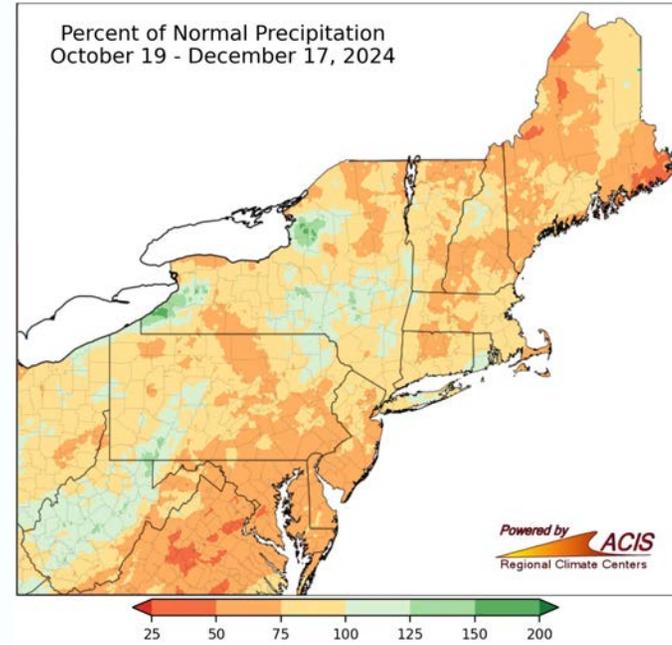
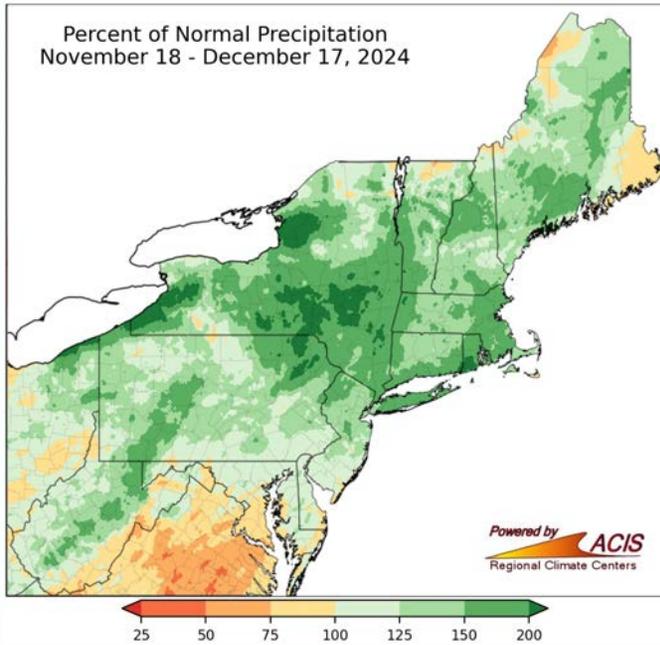
Brian Fuchs
National Drought Mitigation Center



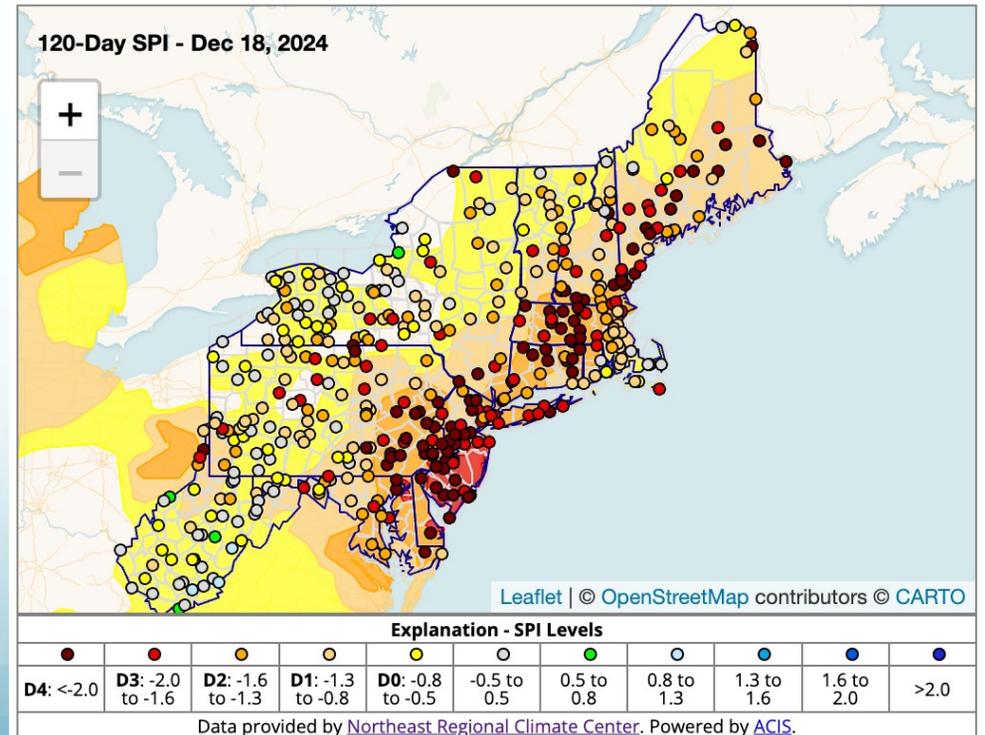
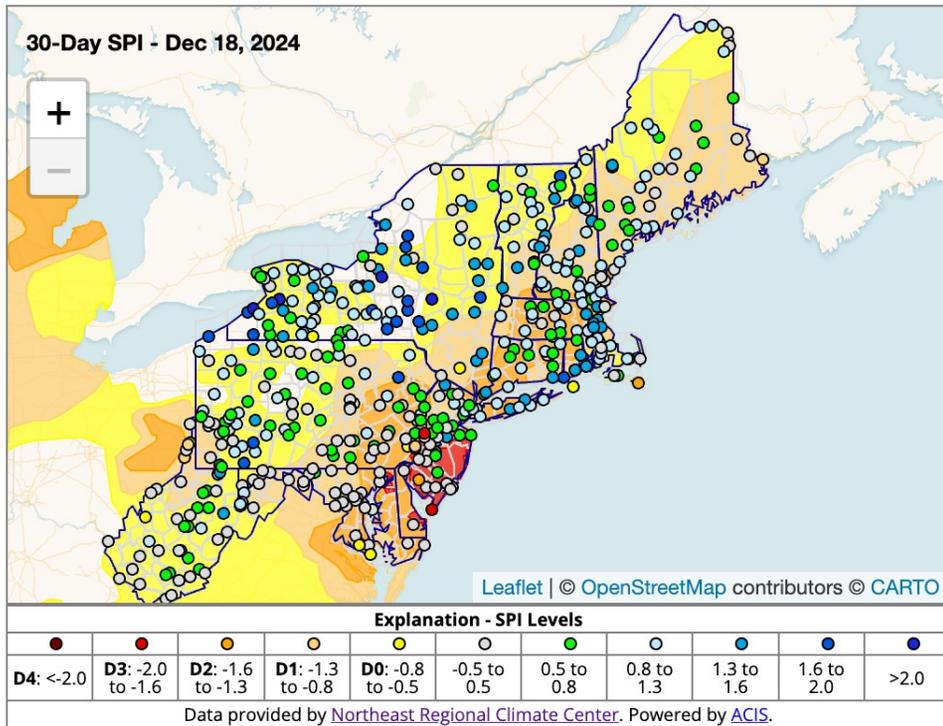
droughtmonitor.unl.edu



Precipitation



Standardized Precipitation Index



Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

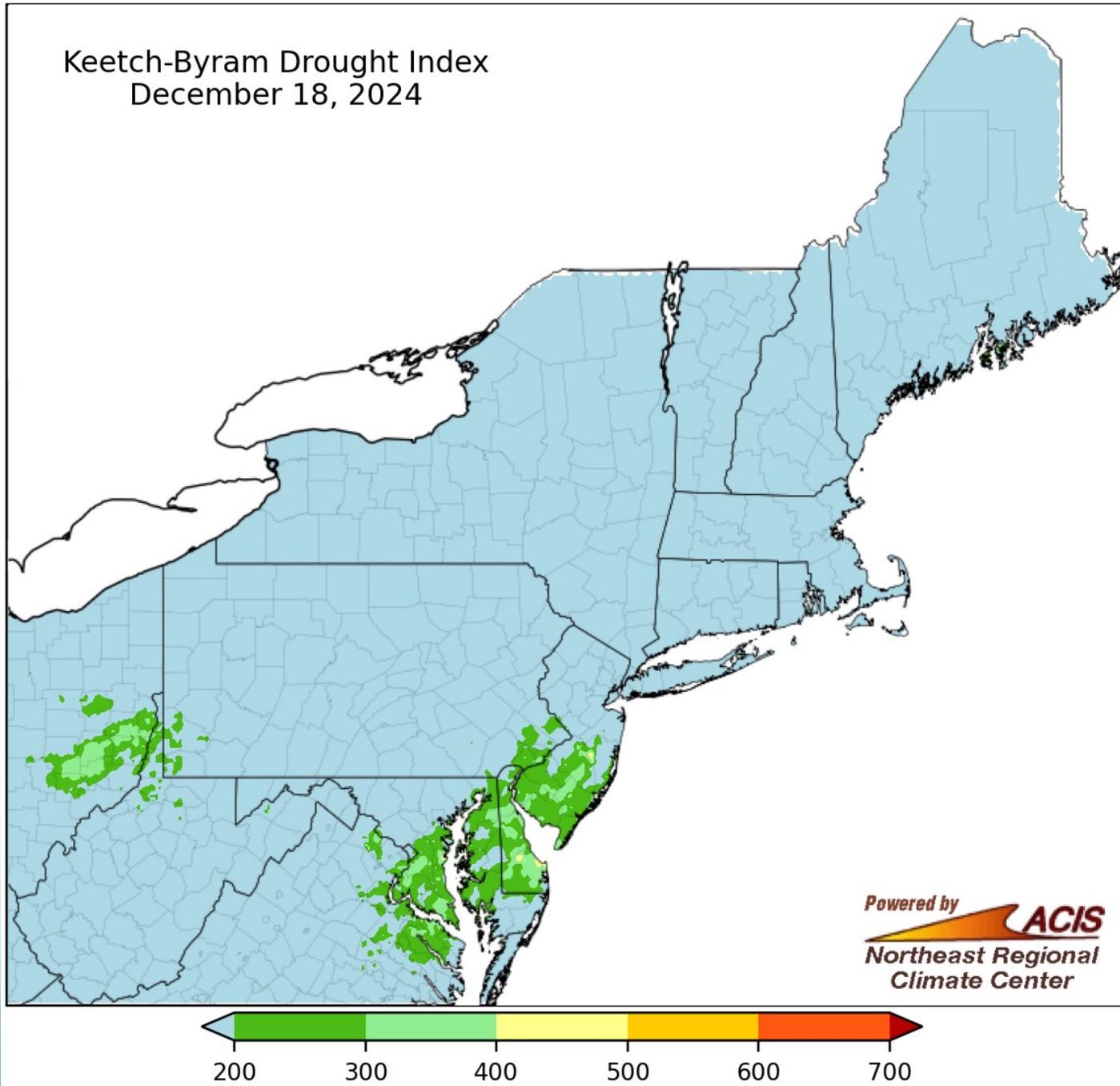
- Boston Area, MA (ThreadEx):Precip Dprt
- Newark Area, NJ (ThreadEx):Precip Dprt
- Charleston Area, WV (ThreadEx):Precip Dprt
- Hartford Area, CT (ThreadEx):Precip Dprt
- Philadelphia Area, PA (ThreadEx):Precip Dprt
- New York-Central Park Area, NY (ThreadEx):Precip Dprt
- Baltimore Area, MD (ThreadEx):Precip Dprt

Powered by ACIS

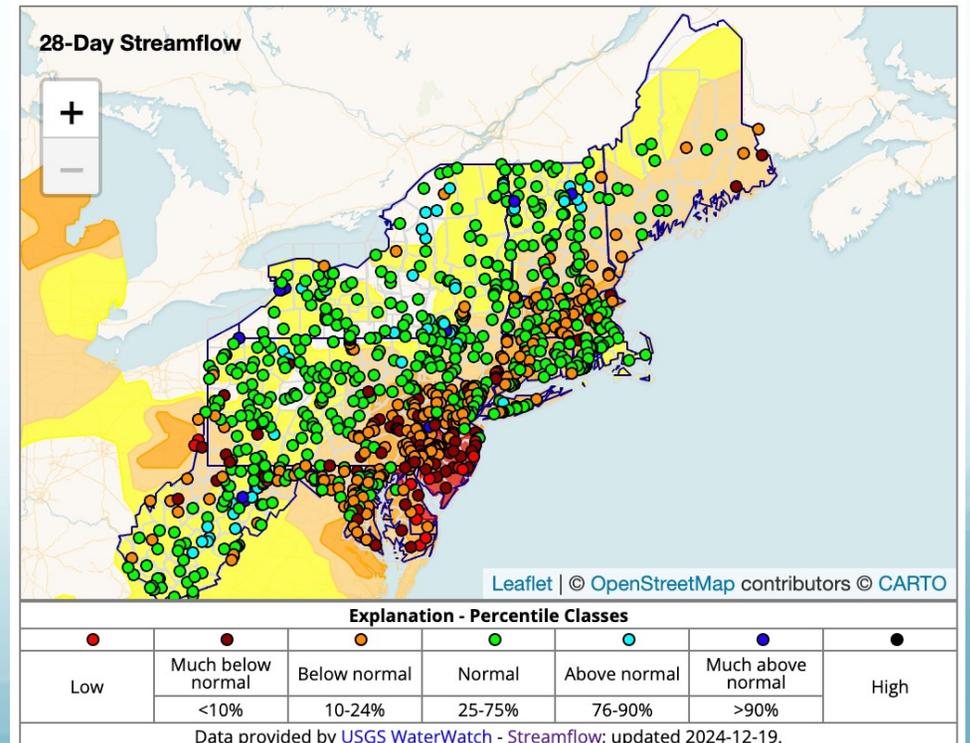
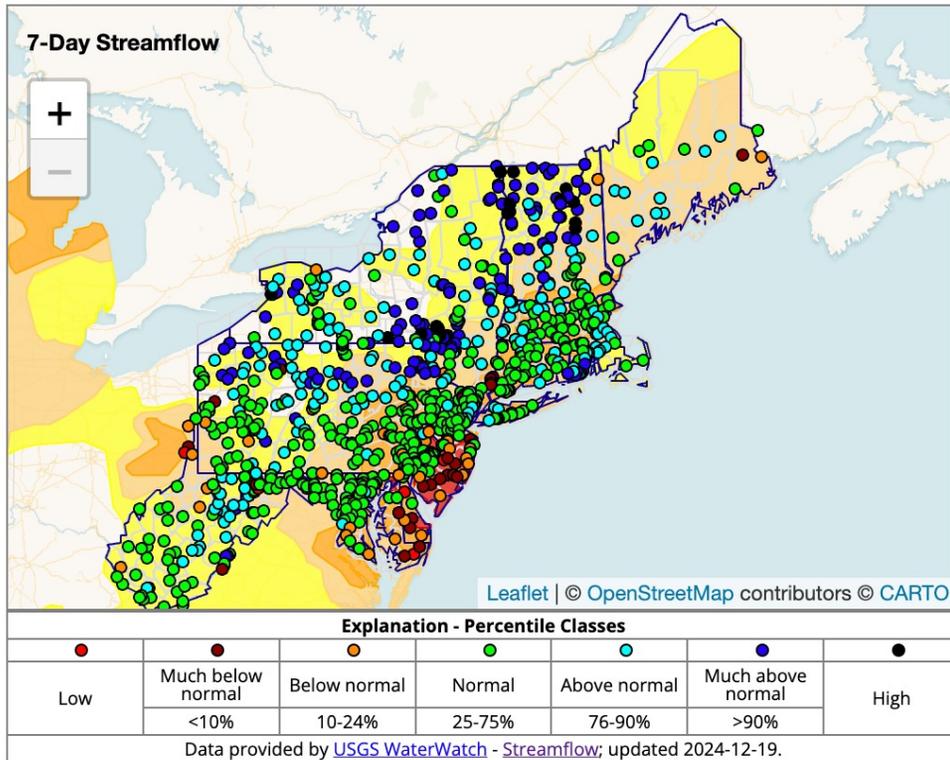


Wildfire Risk

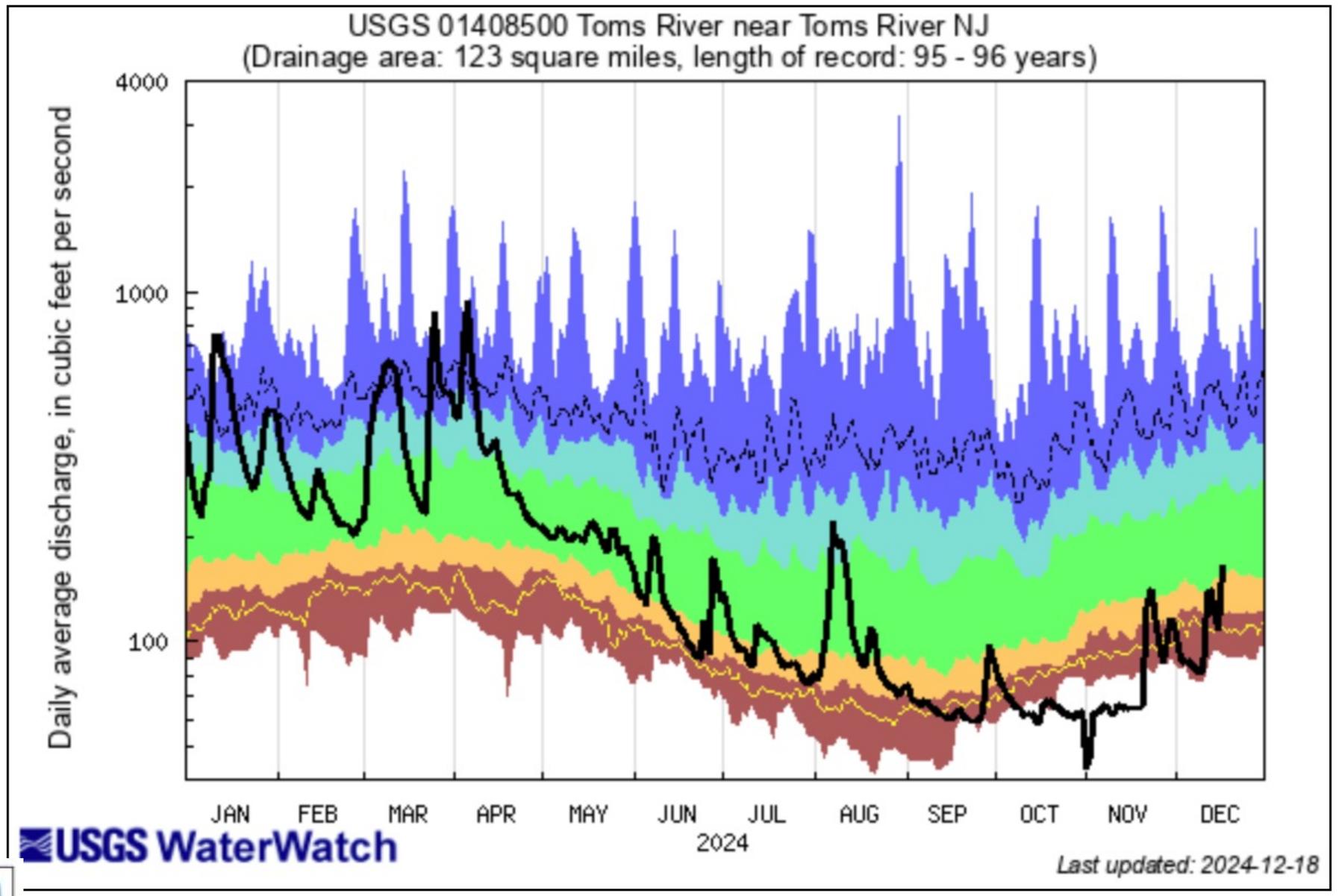
Keetch-Byram Drought Index
December 18, 2024



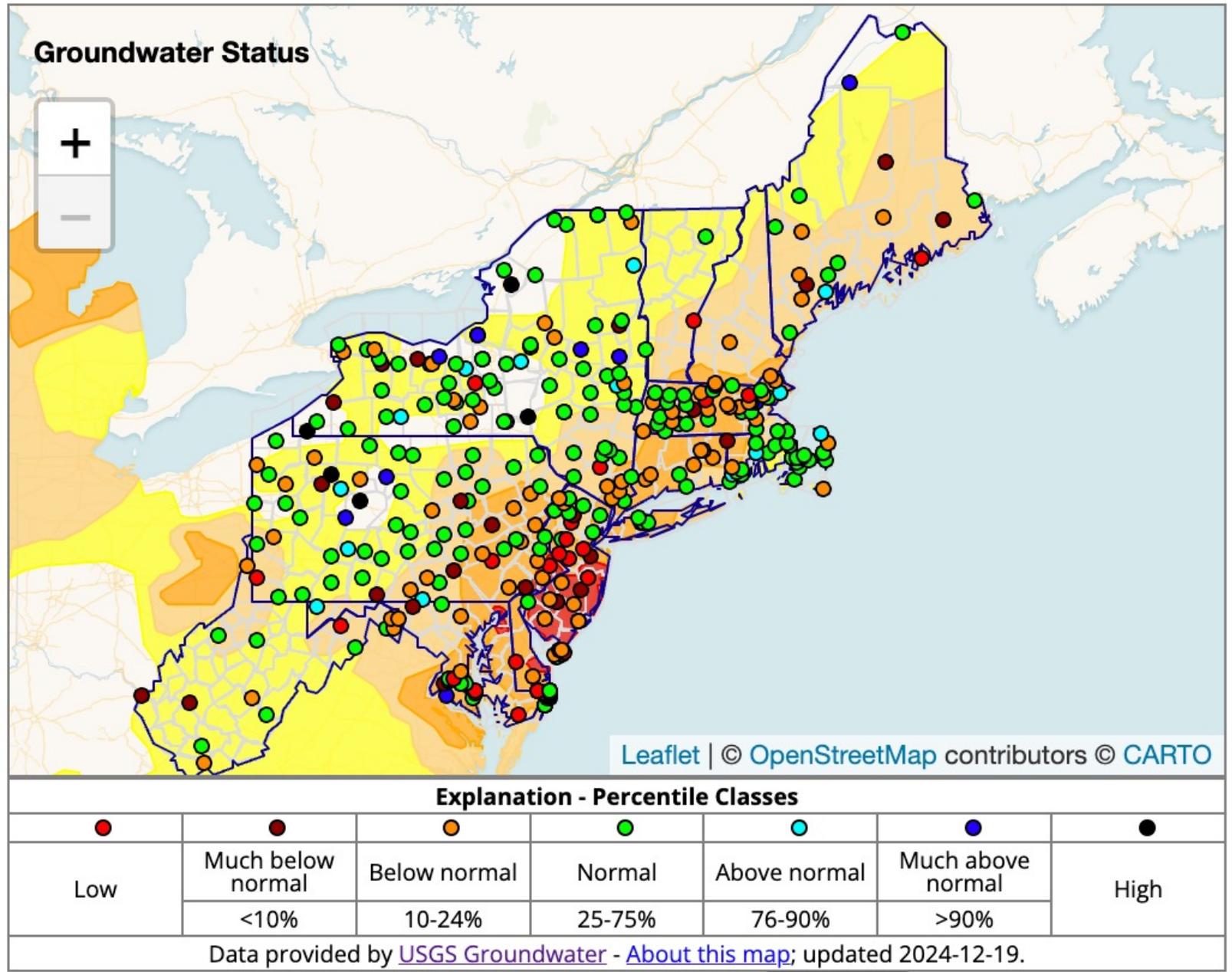
Streamflow



Streamflow

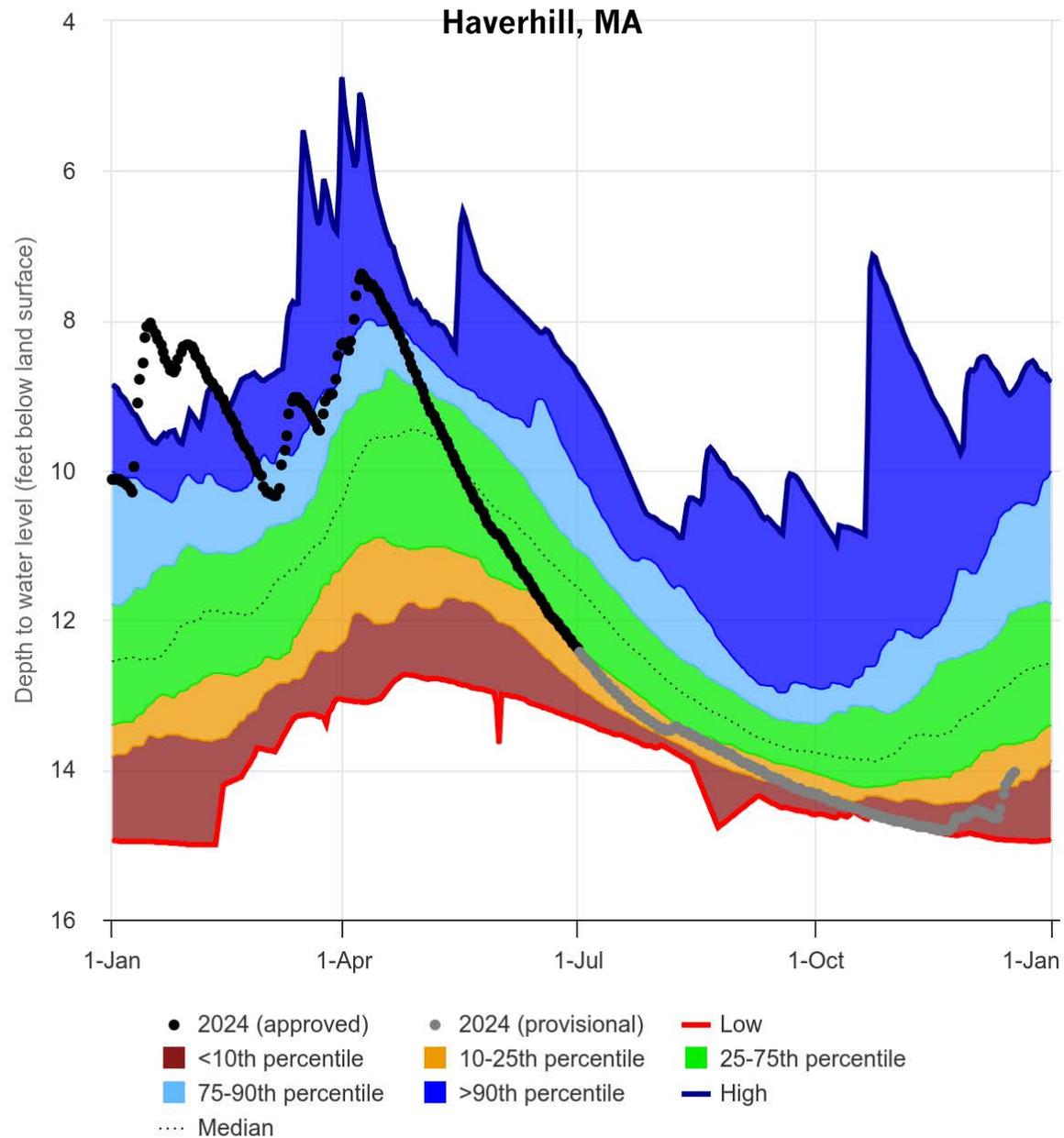


Groundwater



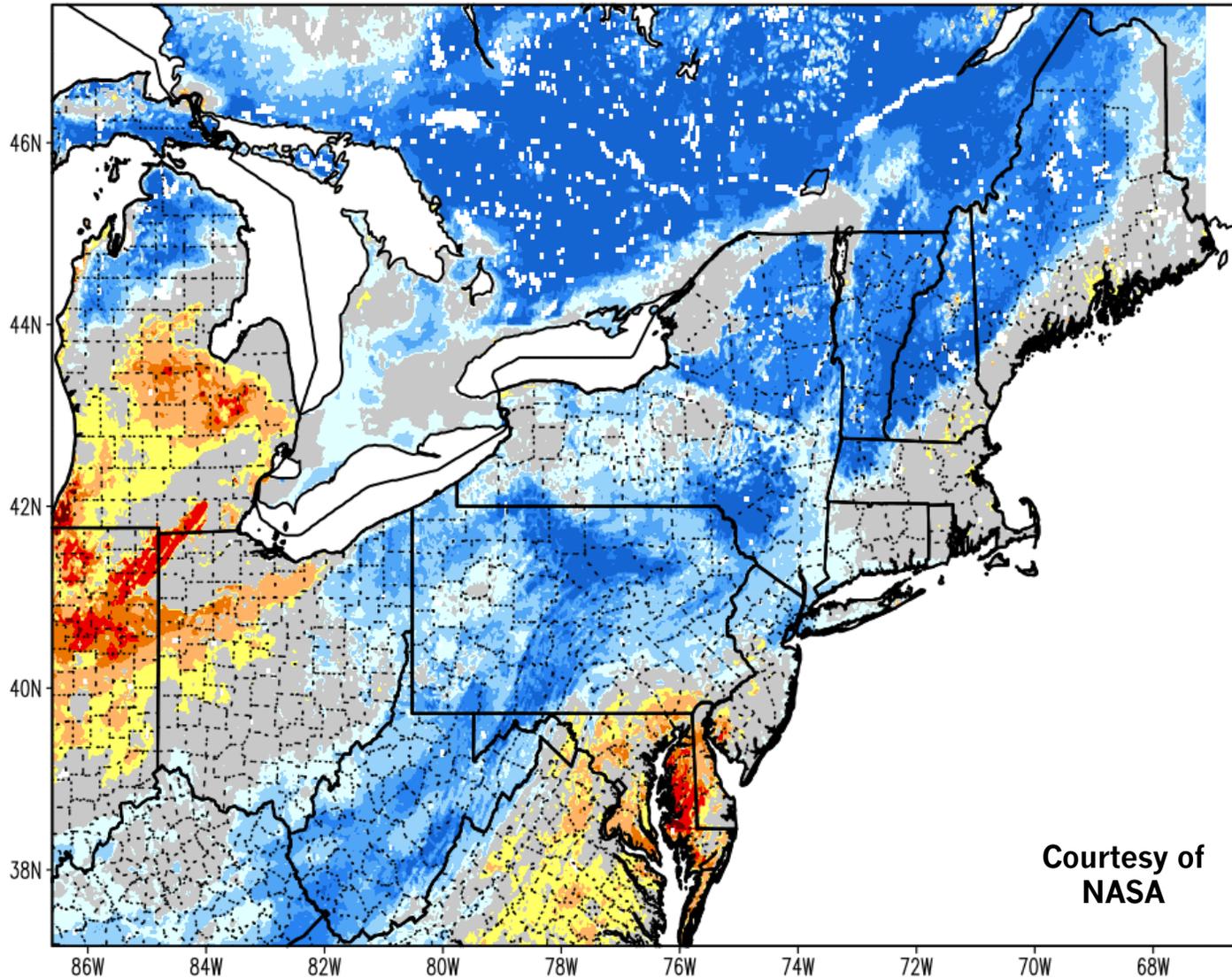
Groundwater

Groundwater Status

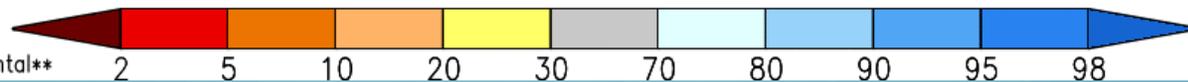


Soil Moisture

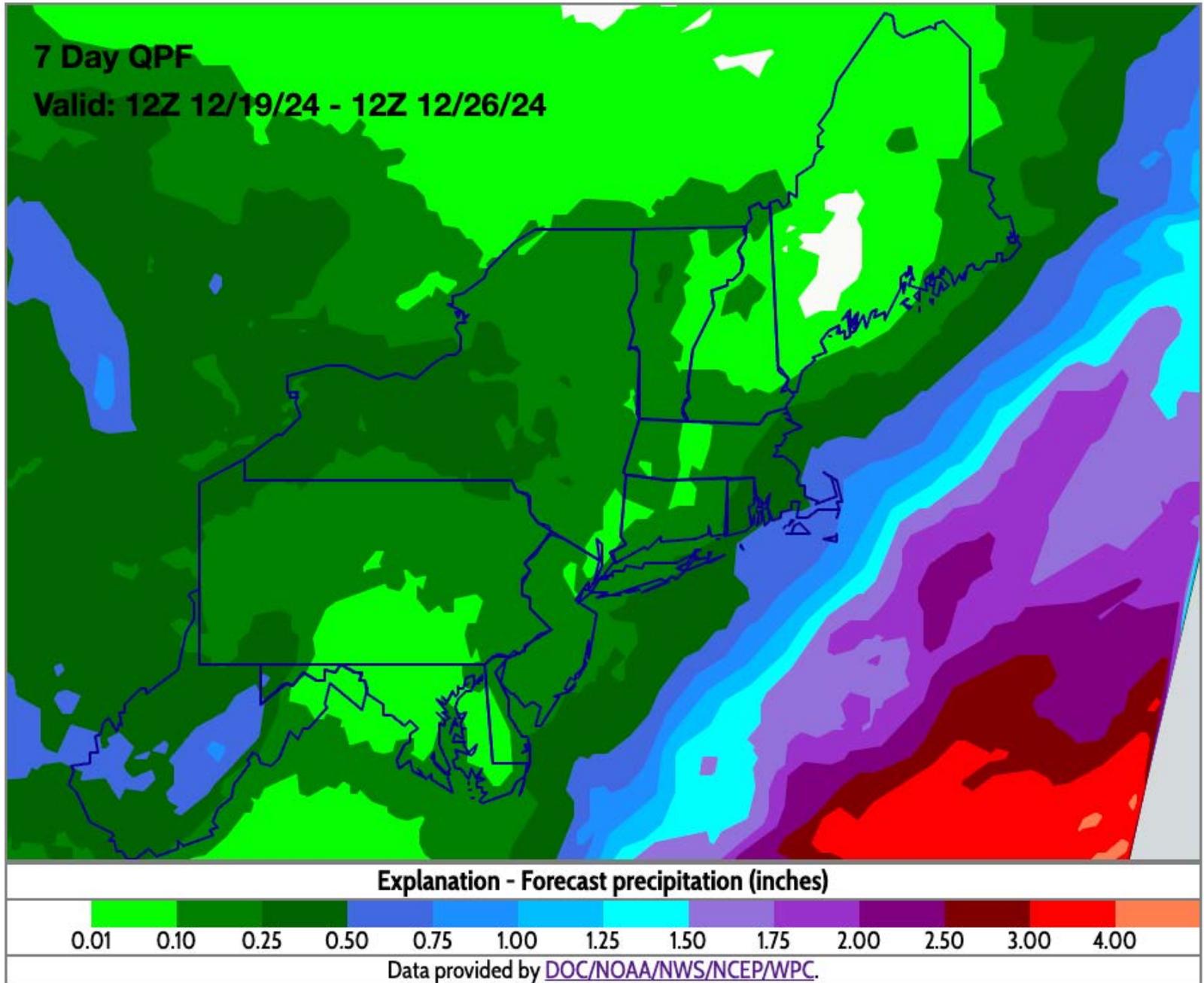
SPoRT-LIS 0-10 cm Soil Moisture percentile valid 19 Dec 2024



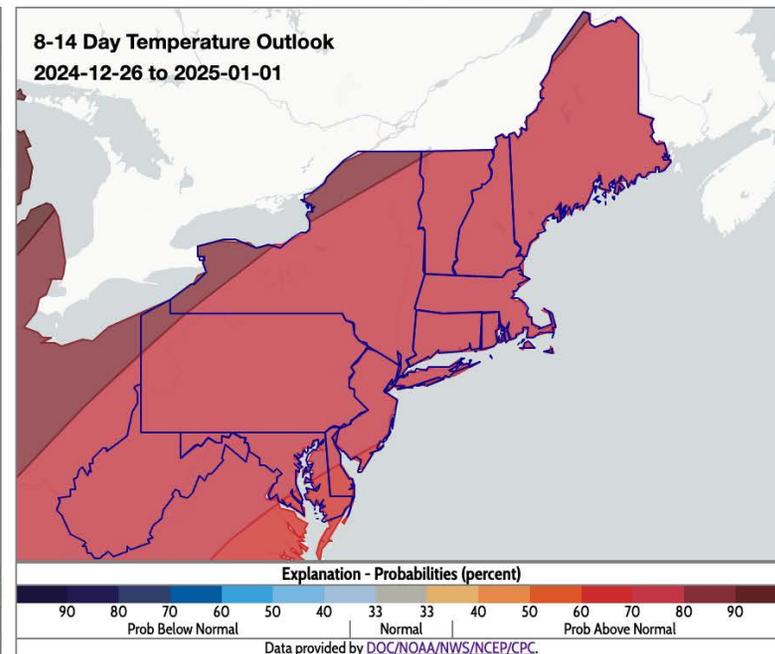
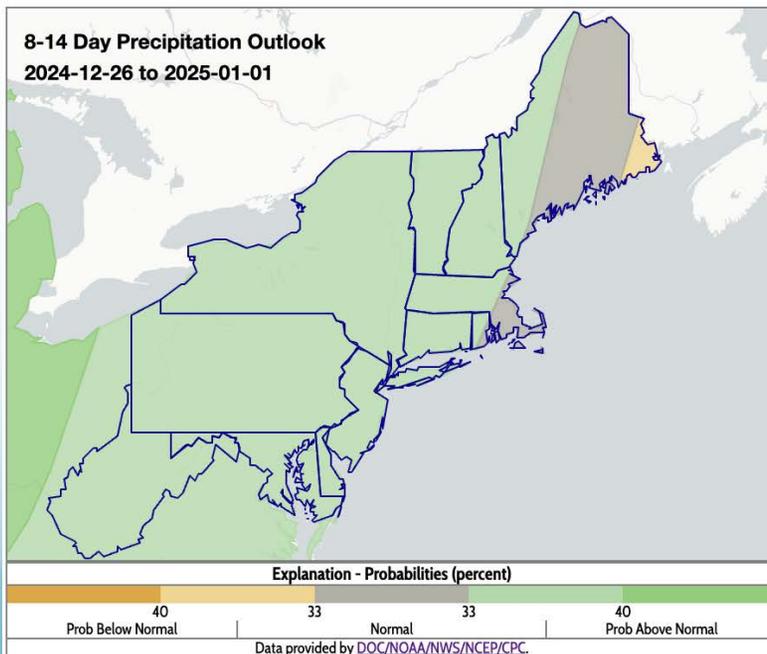
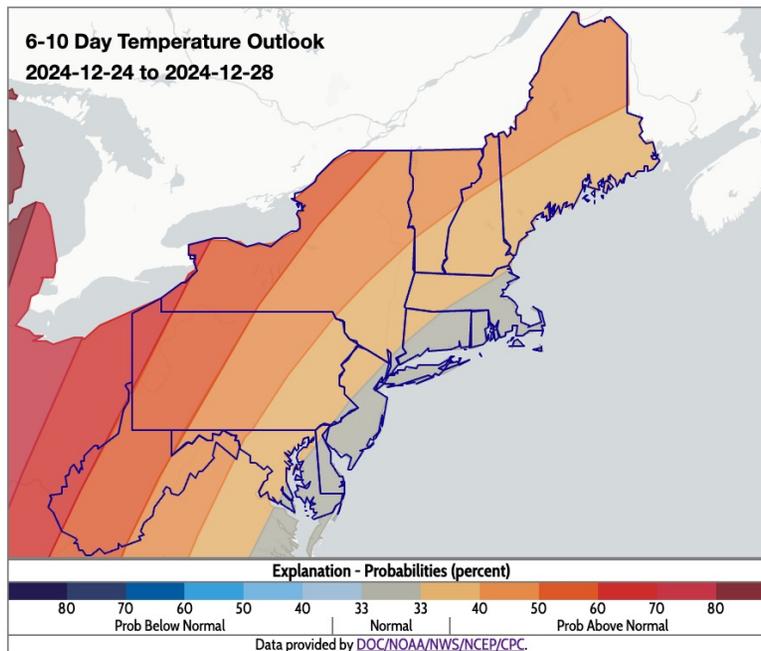
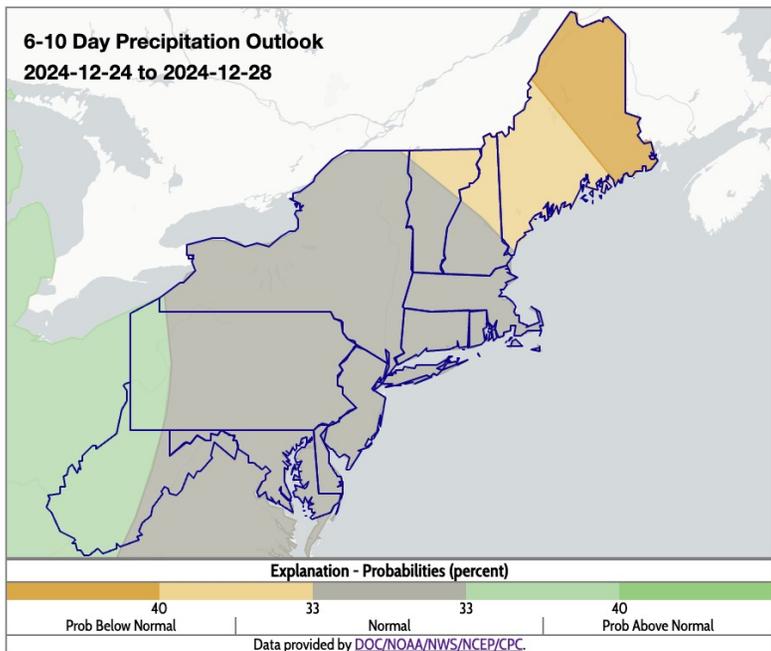
****NOTE****
****Experimental****



Precipitation Forecast



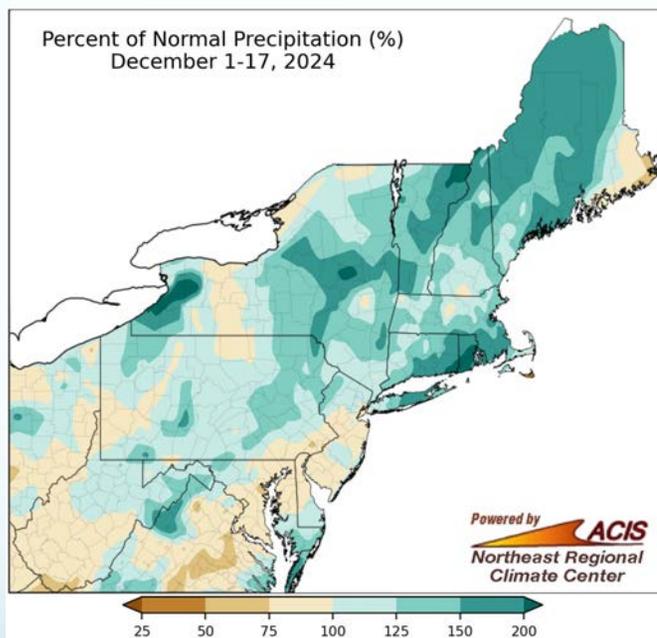
Short-term Outlooks



Summary

December-to-date conditions:

- Below- or near-normal temperatures so far this month
- Near- or above-normal precipitation for most spots



Drought:

- Wet areas saw some drought relief
- Drought persisted in areas that saw less precipitation and/or still have significant deficits

Outlooks:

- Limited opportunities for precipitation over the next week or so may also limit drought relief
- 6-10-day period: near-normal precipitation and near or above-normal temperatures favored for most
- 8-14-day period: above-normal precipitation and above-normal temperatures favored for most



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, January 30 at 9:30am EST
 - IRA/Industry Proving Ground: Insurance
- Thursday, February 27 at 9:30am EST
 - TBD
- Thursday, March 27 at 9:30am EDT
 - Spring Flood Outlook



www.nrcc.cornell.edu