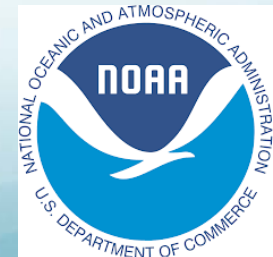


February Recap & Northeast DEWS Discussion

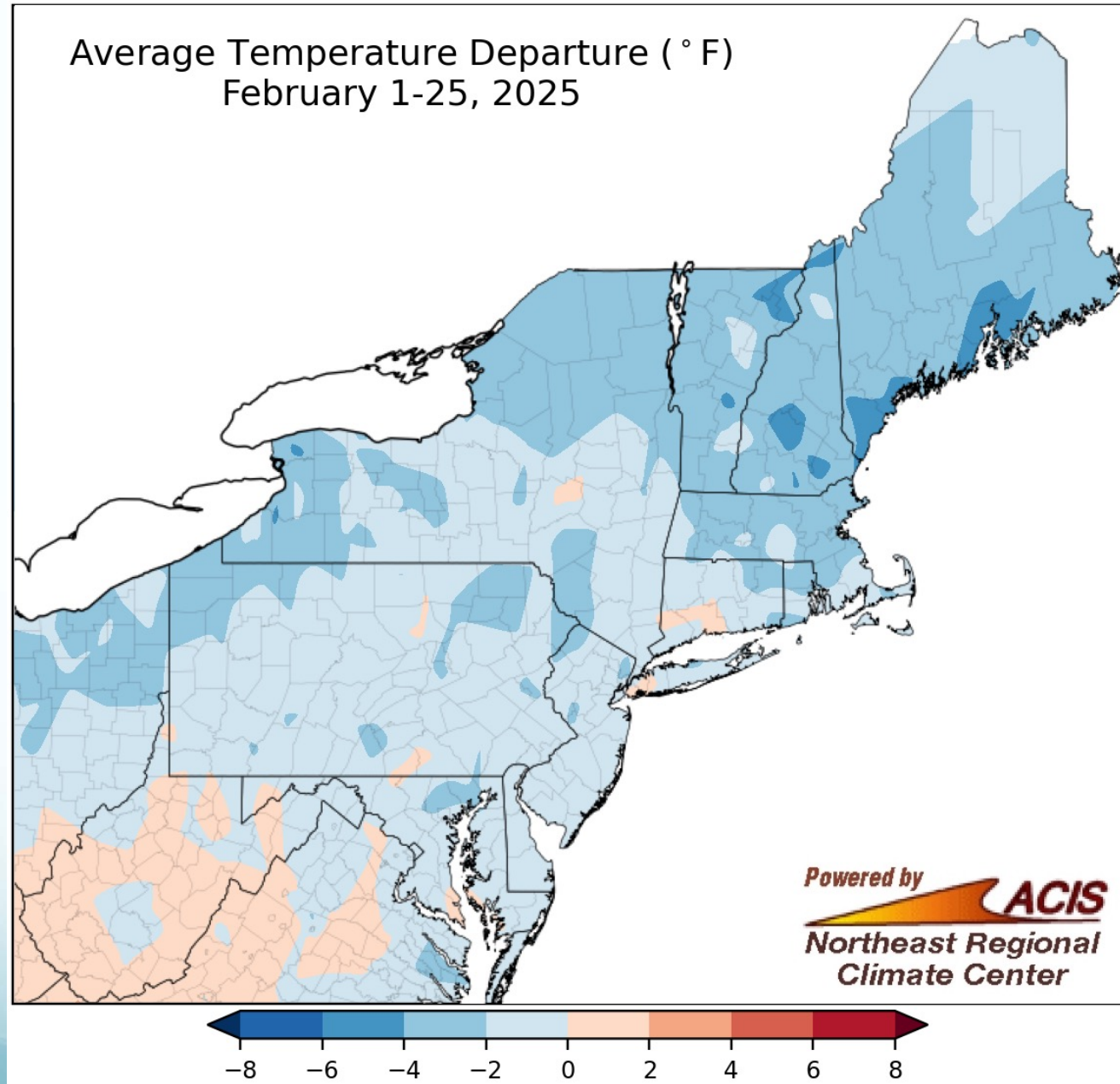
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center

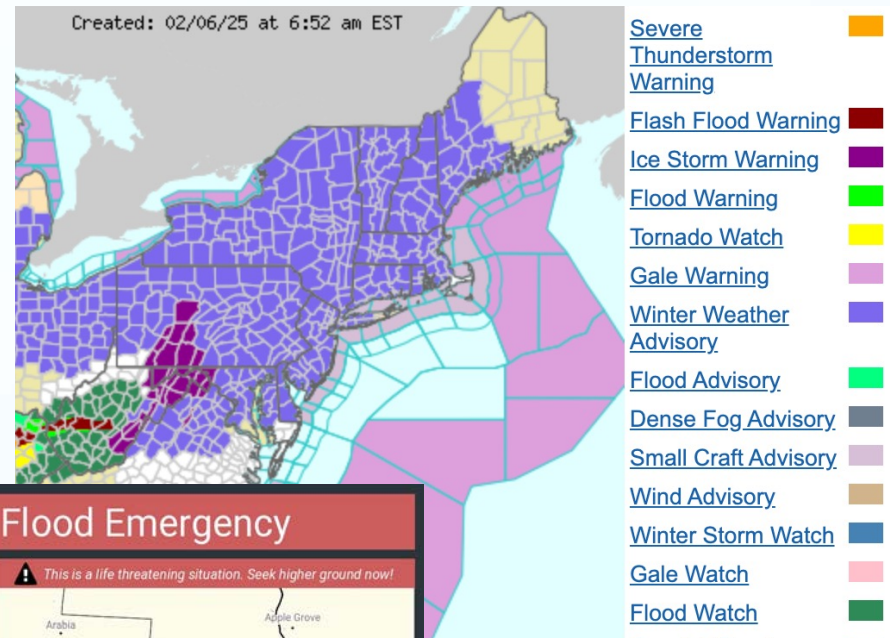


February Temperatures



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

Feb. 5-6 Storm



Flash Flood Emergency

Valid Until
9:15 AM EST Thursday
February 6, 2025

Safety Information

- Move immediately to higher ground!
- Avoid walking or driving through flood waters!

Potential Exposure

Population: 224,418
Schools: 74
Hospitals: 9

NRCC

Flash Flood Emergency

Valid Until
8:30 AM EST Thursday
February 6, 2025

Safety Information

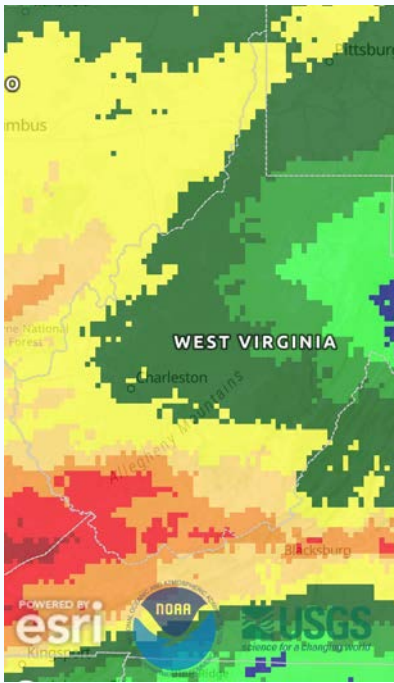
- Move immediately to higher ground!
- Avoid walking or driving through flood waters!

Potential Exposure

Population: 57,943
Schools: 14
Hospitals: 8

NRCC

Feb. 15-17 Storm



...FLASH FLOOD EMERGENCY FOR THE TUG FORK NEAR WELCH...

The National Weather Service in Charleston has extended the

- * Flash Flood Warning for... Central McDowell County in southern West Virginia...
- * Until 315 AM EST.
- * At 104 AM EST, gauge reports indicated flooding across the warned area. Between 3 and 4 inches of rain have fallen. Flash flooding is ongoing or expected to begin shortly.

This is a FLASH FLOOD EMERGENCY for the Tug Fork near Welch. This is a PARTICULARLY DANGEROUS SITUATION. SEEK HIGHER GROUND NOW!

HAZARD...Life threatening flash flooding. Heavy rain producing flash flooding.

SOURCE...Gauges reported.

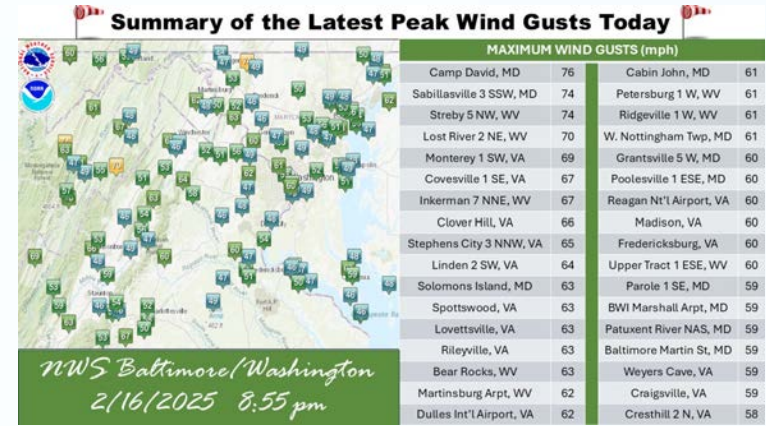
IMPACT...This is a PARTICULARLY DANGEROUS SITUATION. SEEK HIGHER GROUND NOW! Life threatening flash flooding of low water crossings, small creeks and streams, urban areas, highways, streets and underpasses.

- * Some locations that will experience flash flooding include... Welch, Gary, Davy, Keystone, Kimball, Coalwood and Elbert.

The Tug Fork has crested, however, ongoing water rescues have been reported recently.

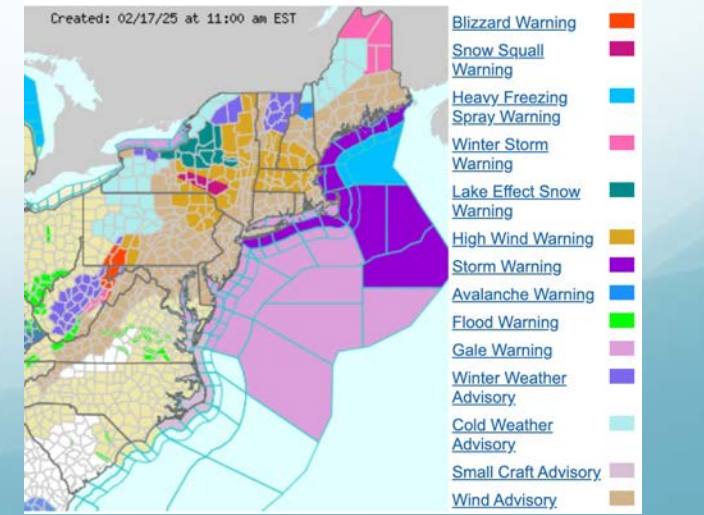
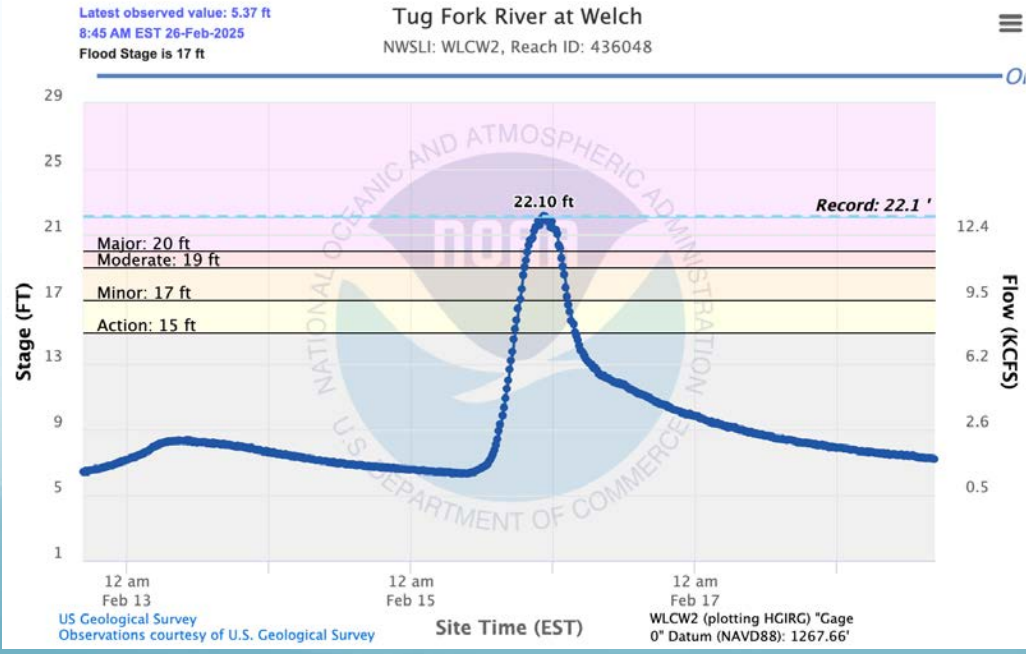
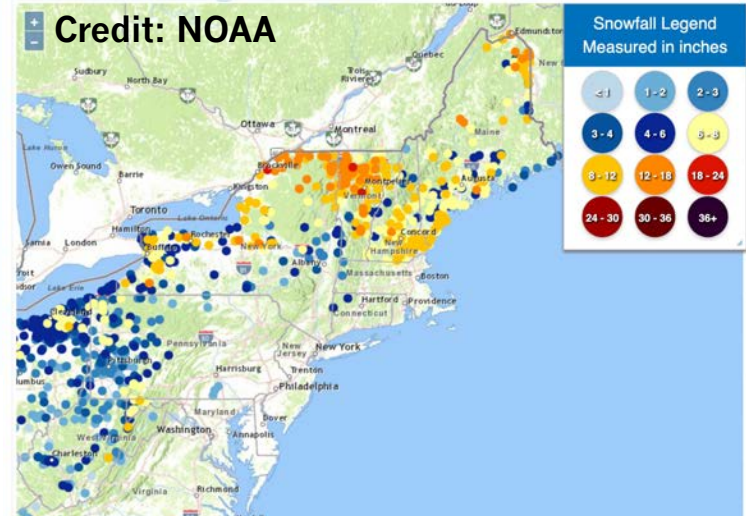
PRECAUTIONARY/PREPAREDNESS ACTIONS...

Move to higher ground now! This is an extremely dangerous and life-threatening situation. Do not attempt to travel unless you are fleeing an area subject to flooding or under an evacuation order.

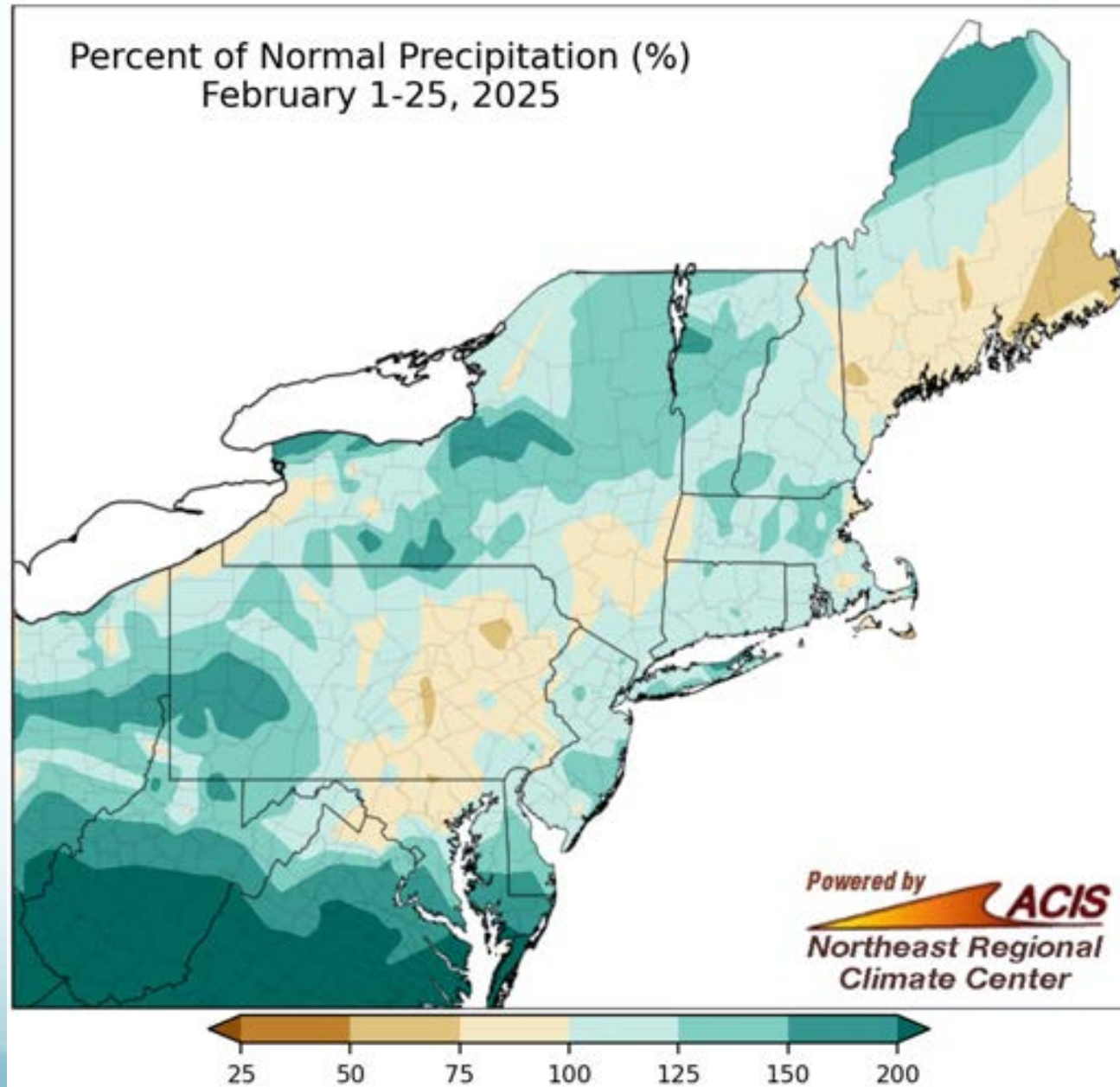


Select the time range for the snowfall reports: Search for a location on map:

24 Hours



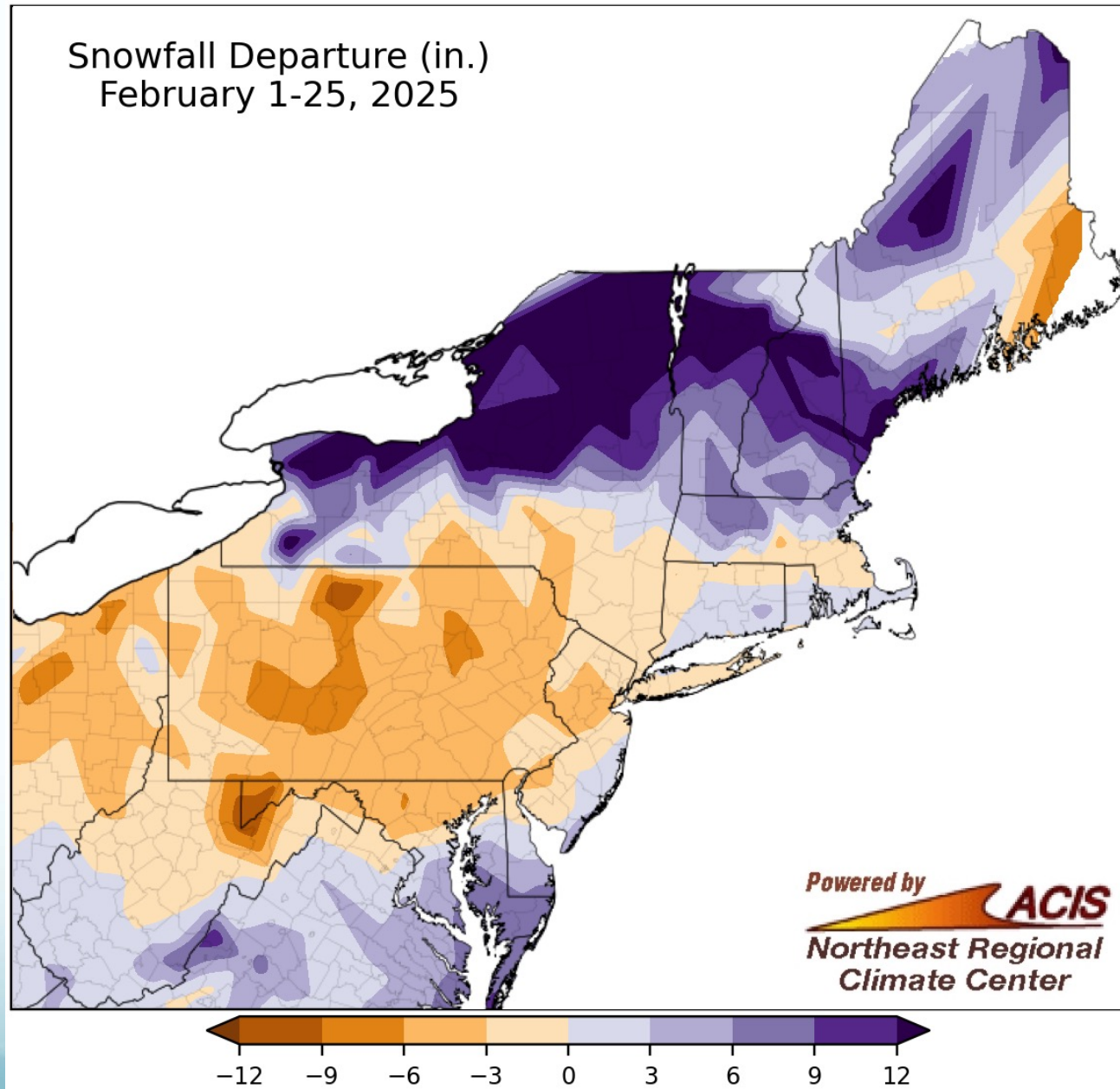
February Precipitation



From 50% of normal to over 200% of normal



February Snowfall



From more than 12" below normal to over 12" above normal

February Storms

Maximum 1-Day Total Precipitation for Beckley Area, WV (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	Value	Ending Date
1	2.31	2025-02-15
2	2.11	1994-02-09
3	2.10	2015-02-21
4	2.04	1984-02-23
5	1.92	1939-02-03
6	1.85	2023-02-16
7	1.69	2025-02-06
8	1.63	2025-02-08
9	1.62	1908-02-06
10	1.50	1923-02-12

Period of record: 1893-12-03 to 2025-02-25

Time Series Summary for Beckley Area, WV (ThreadEx) - Month of Feb

Click column heading to sort ascending, click again to sort descending.

Rank	Year	Total Precipitation	Missing Count
1	2025	7.39	3
2	2018	6.98	0
3	2020	6.52	0

Time Series Summary for Syracuse Area, NY (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	Ending Date	Number of Days Snowfall \geq 0.1 Feb 1 to Feb 23	Missing Count
1	2025-02-23	21	0
2	2015-02-23	20	0
3	2010-02-23	18	0
-	1977-02-23	18	0

Time Series Summary for Syracuse Area, NY (ThreadEx) - Month of Feb

Click column heading to sort ascending, click again to sort descending.

Rank	Year	Highest Snow Depth	Missing Count
1	1966	48	0
-	1958	48	0
3	2015	33	0
-	2004	33	0
-	1925	33	0
6	2007	29	0
-	1993	29	0
-	1961	29	0
9	1945	28	0
10	2025	24	3



Oneida County farmer devastated by collapsed barn and death of nearly 60 cows

Spectrum News

BY EMILY KENNY, REPORT FOR AMERICA CORPS MEMBER AND MELISSA KRULL | ONEIDA COUNTY
PUBLISHED 4:58 PM ET FEB. 25, 2025

More than 25 buildings have collapsed under heavy snow in Oswego County

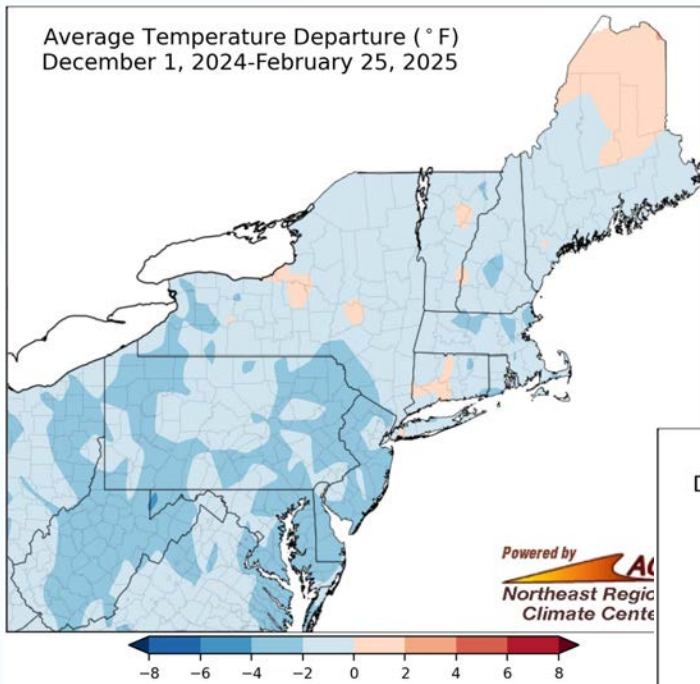
Published: Feb. 22, 2025, 2:37 p.m.

Syracuse.com

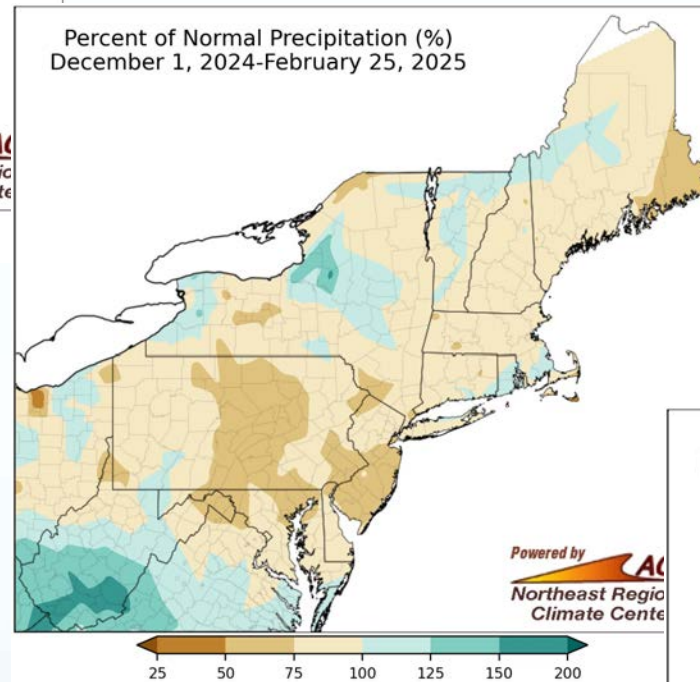


Credit: Jim Maryinuk

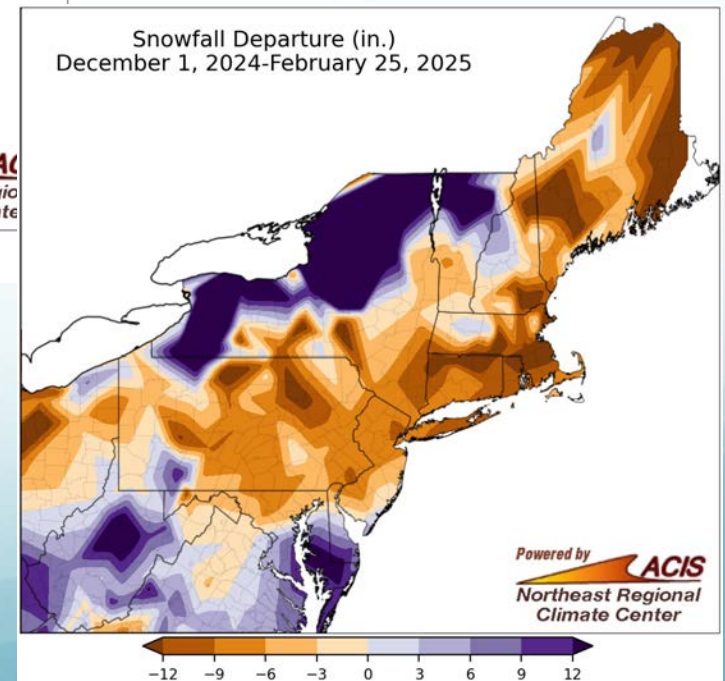
Winter



From 4°F below
normal to 2°F
above normal



From 50% of
normal to 200% of
normal

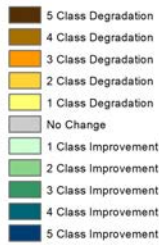
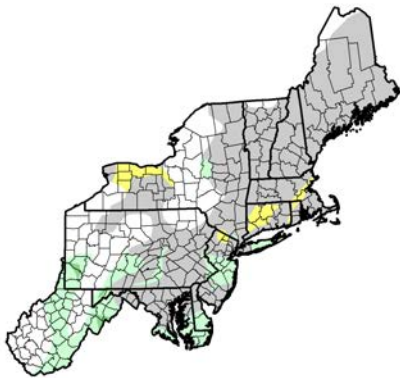


From more than 12”
below normal to
over 12” above
normal



Drought Monitor

U.S. Drought Monitor Class Change - Northeast Climate Region 4 Week



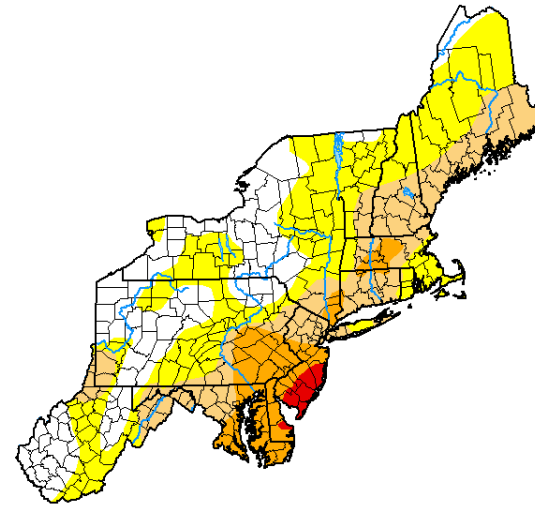
February 25, 2025
compared to
January 28, 2025

droughtmonitor.unl.edu



U.S. Drought Monitor Northeast

January 28, 2025
(Released Thursday, Jan. 30, 2025)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	27.00	39.10	22.64	9.90	1.37	0.00
Last Week 01-21-2025	33.83	32.58	23.75	8.49	1.37	0.00
3 Months Ago 10-29-2024	21.01	40.71	23.05	10.42	4.14	0.67
Start of Calendar Year 01-07-2025	33.83	32.27	24.14	8.39	1.37	0.00
Start of Water Year 10-01-2024	45.94	34.77	9.37	4.97	4.27	0.67
One Year Ago 01-30-2024	96.89	2.85	0.19	0.07	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:

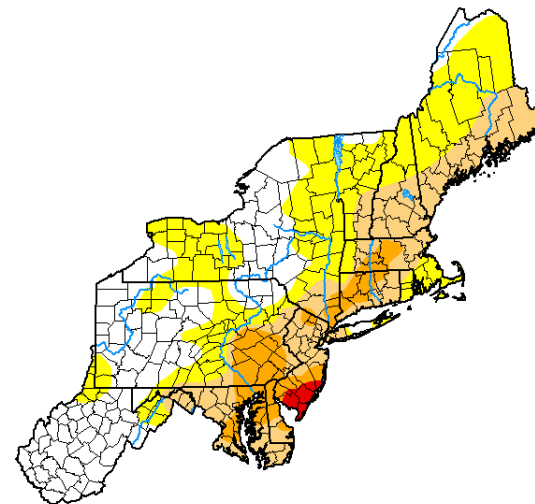
Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast

February 25, 2025
(Released Thursday, Feb. 27, 2025)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	32.97	35.90	21.88	8.39	0.86	0.00
Last Week 02-18-2025	32.64	36.24	22.01	8.26	0.86	0.00
3 Months Ago 11-26-2024	3.20	35.64	33.12	23.94	4.11	0.00
Start of Calendar Year 01-07-2025	33.83	32.27	24.14	8.39	1.37	0.00
Start of Water Year 10-01-2024	45.94	34.77	9.37	4.97	4.27	0.67
One Year Ago 02-27-2024	97.07	2.72	0.21	0.00	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>

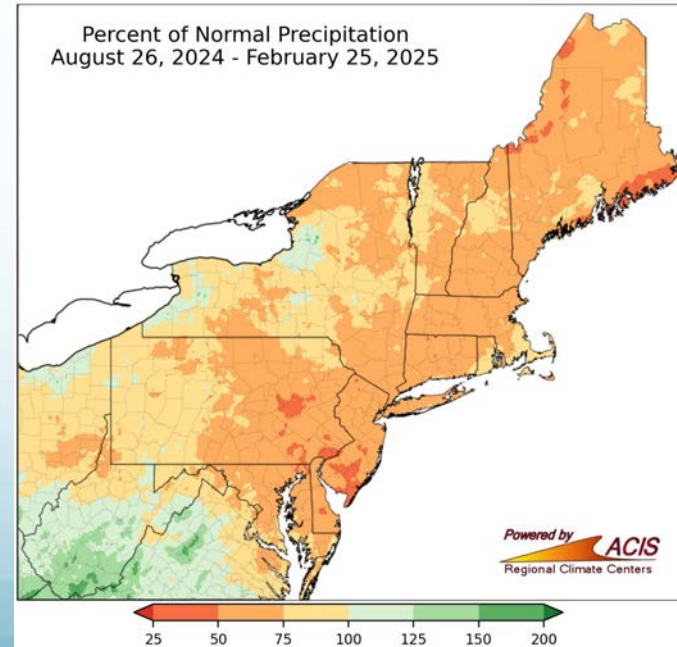
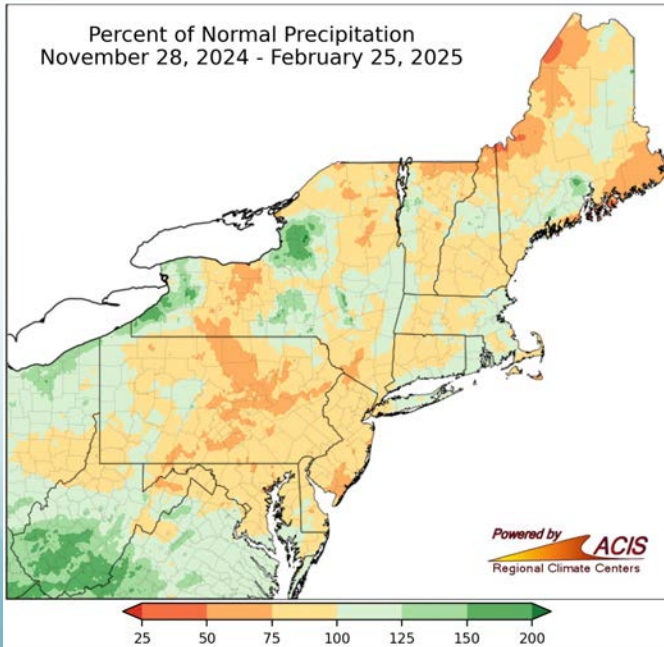
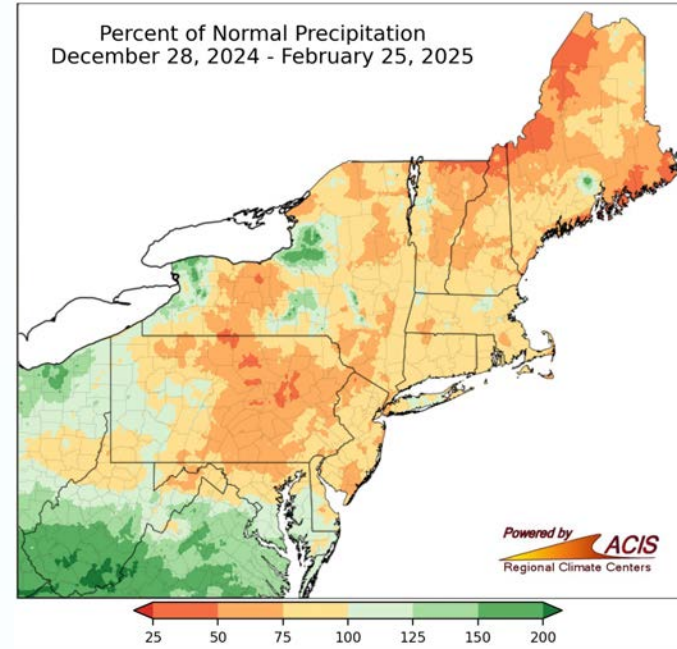
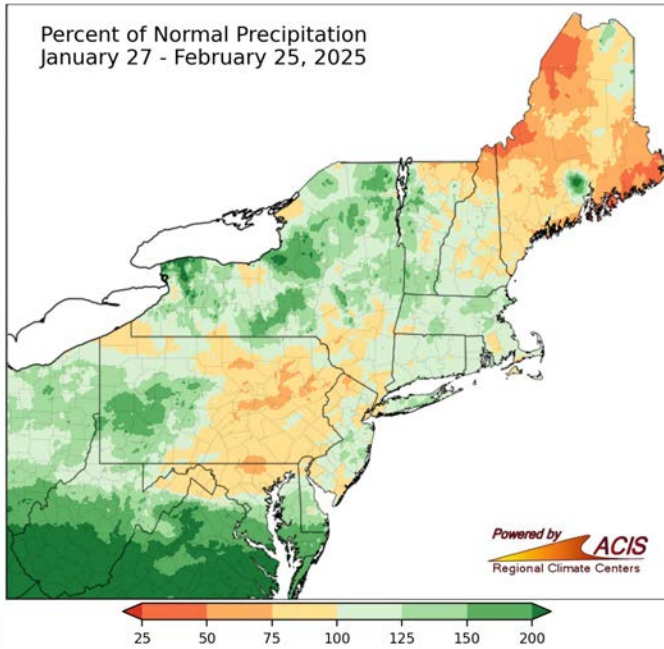
Author:

Brian Fuchs
National Drought Mitigation Center

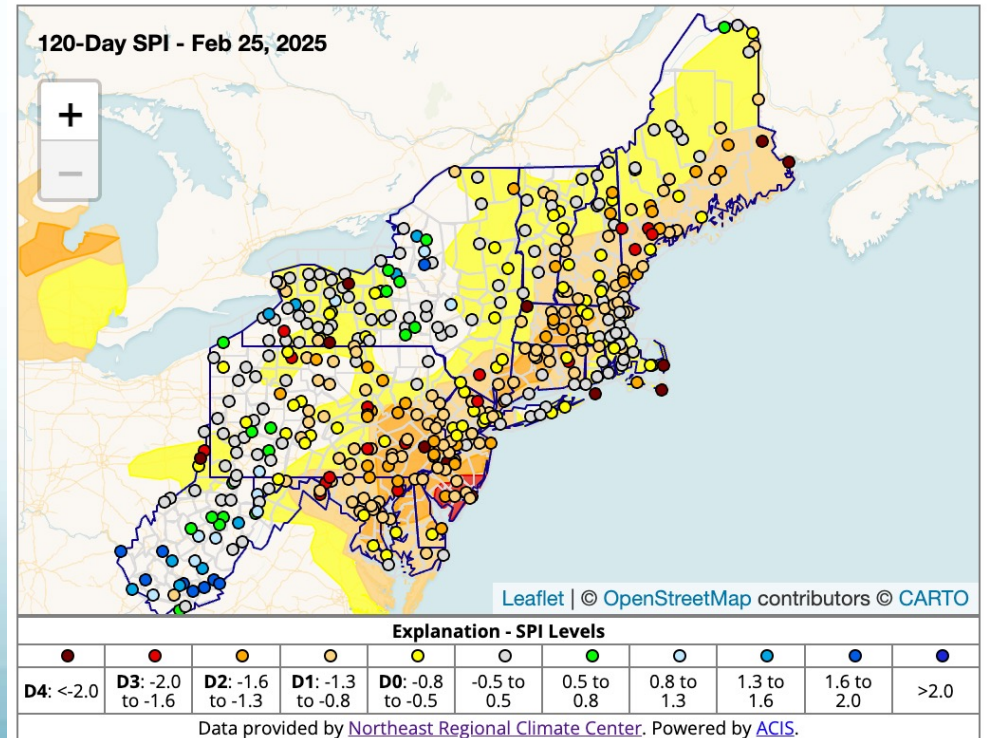
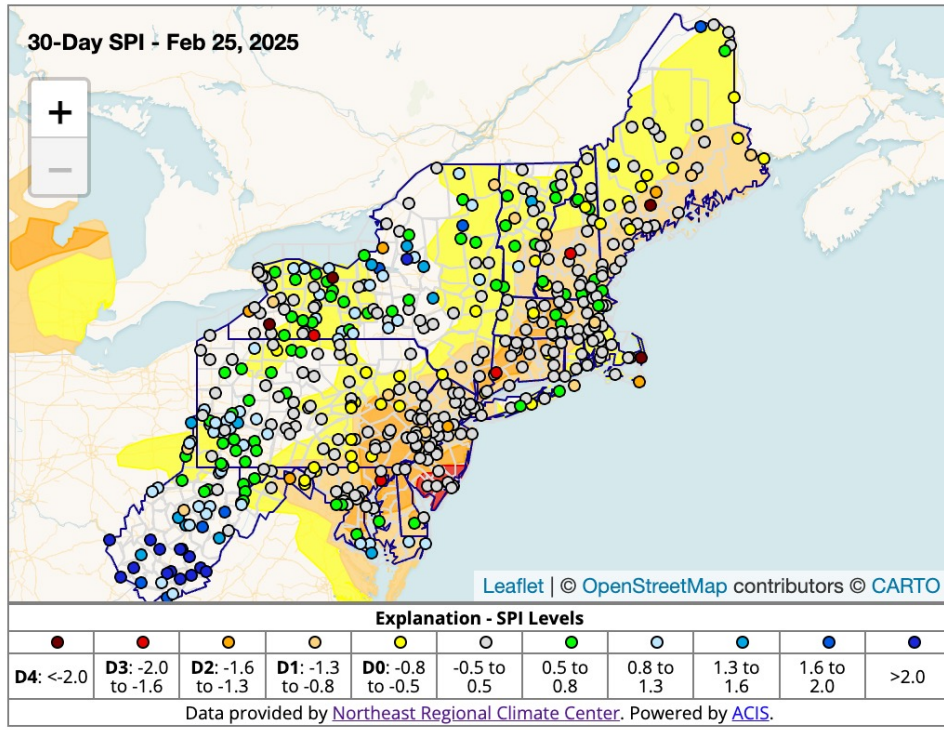


droughtmonitor.unl.edu

Precipitation



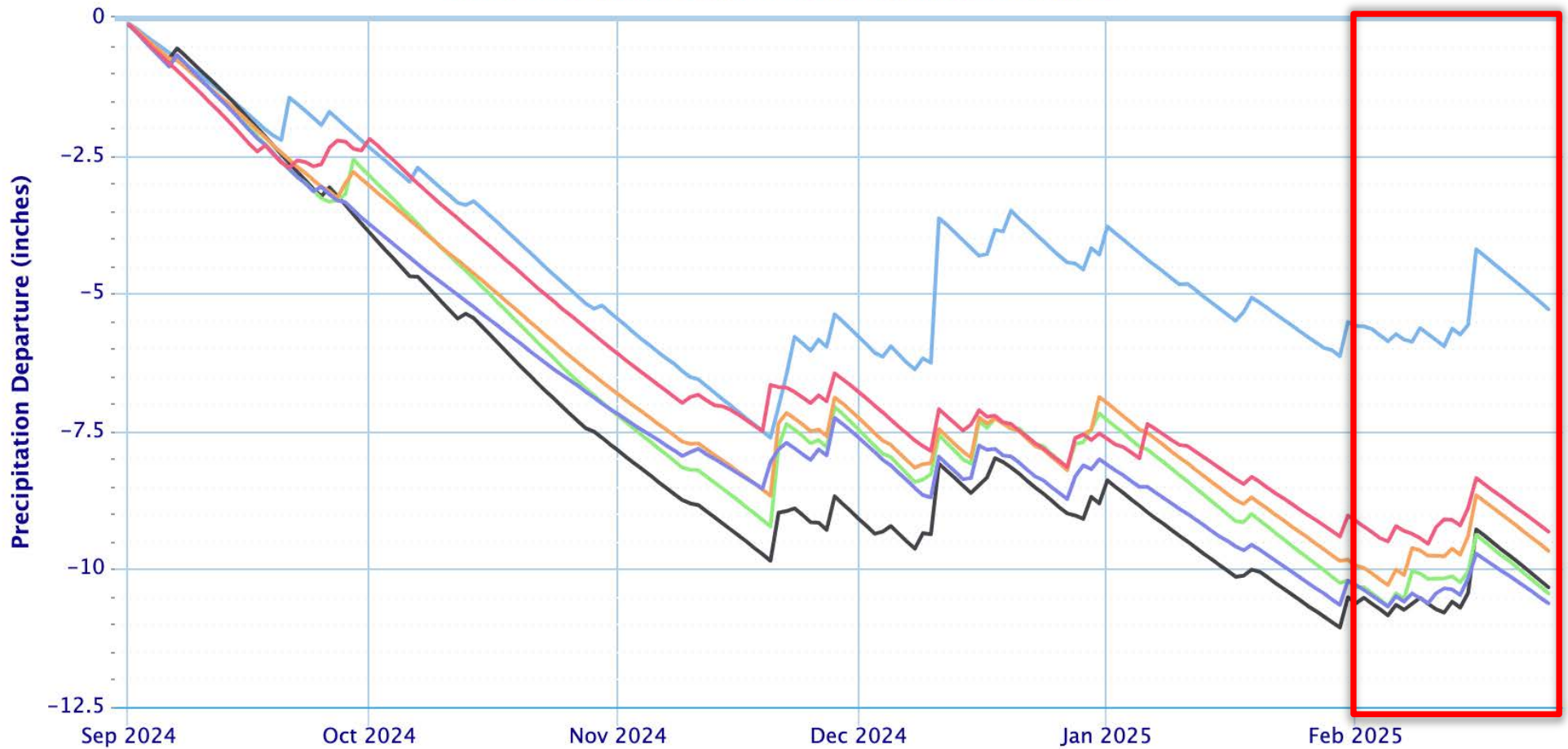
Standardized Precipitation Index



Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



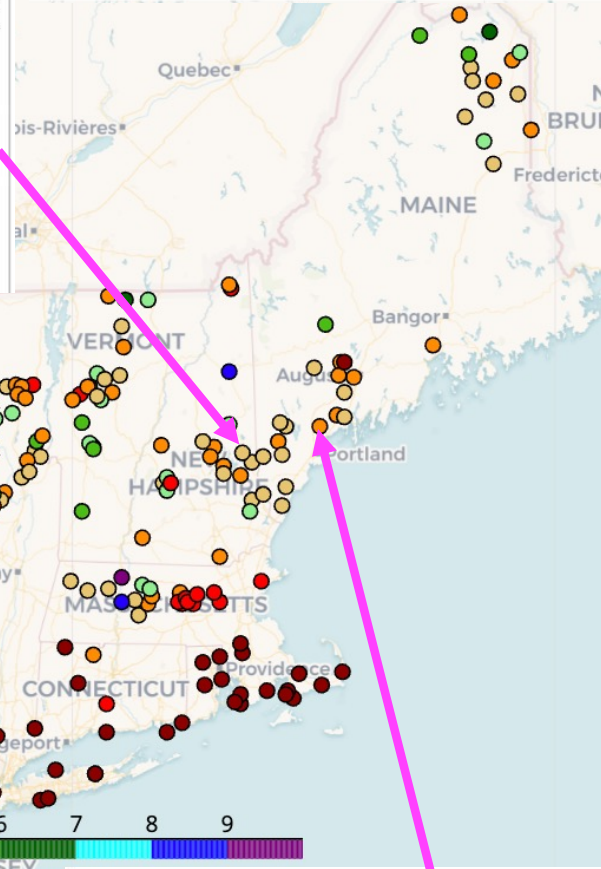
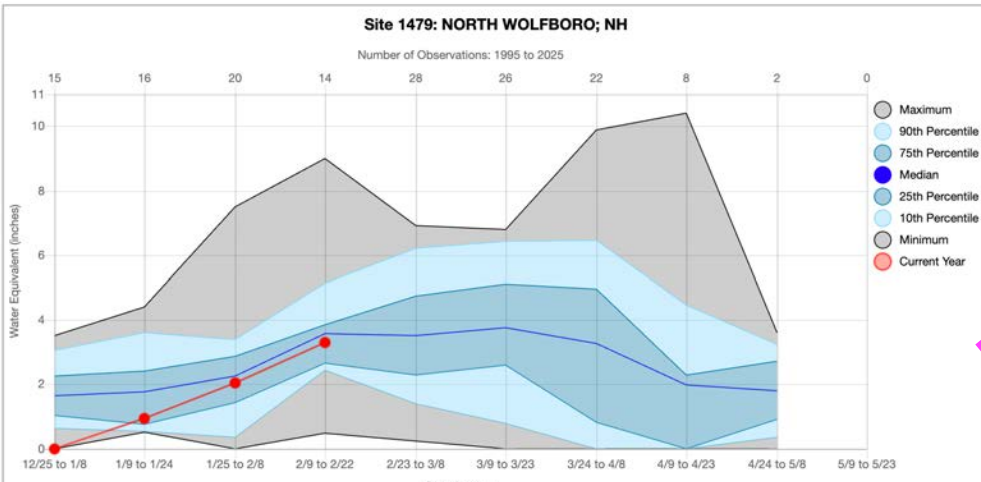
(Click to hide/show lines)

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



SWE

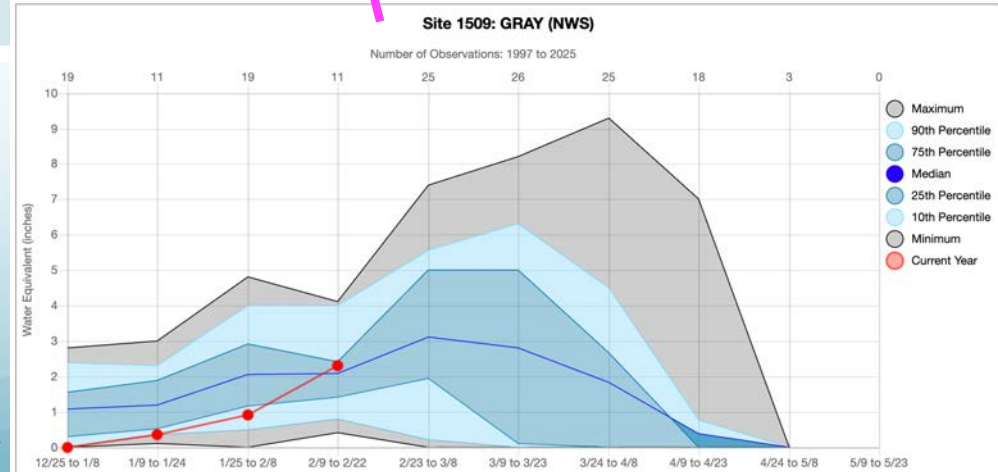
Snow Water Equivalent for February 8-22, 2025



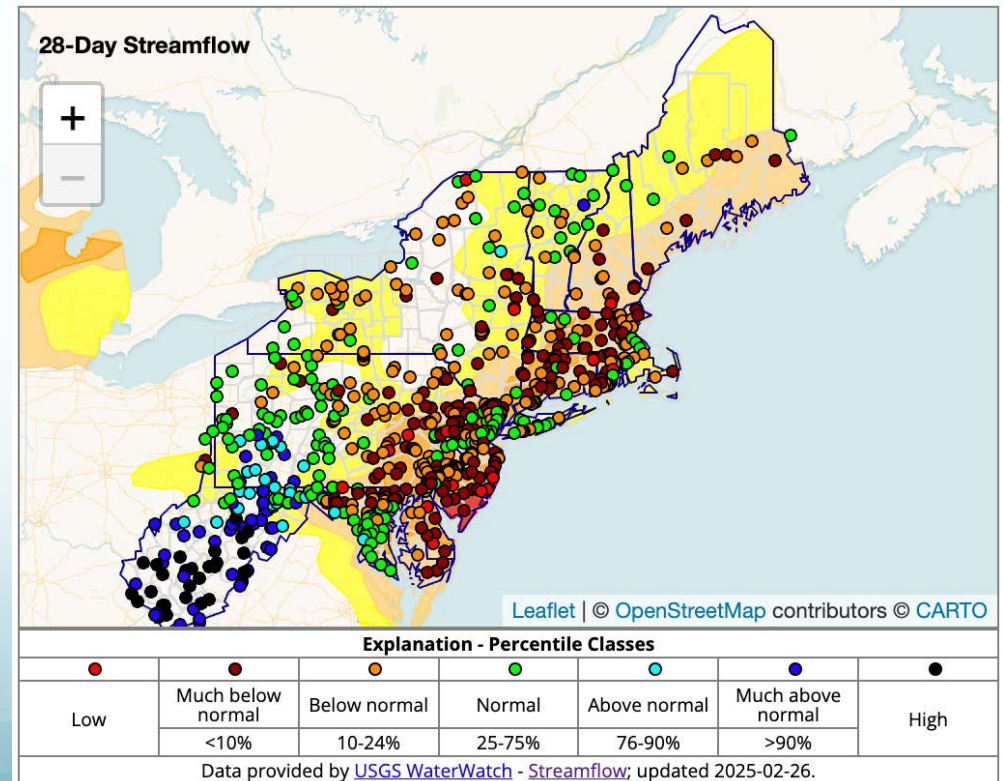
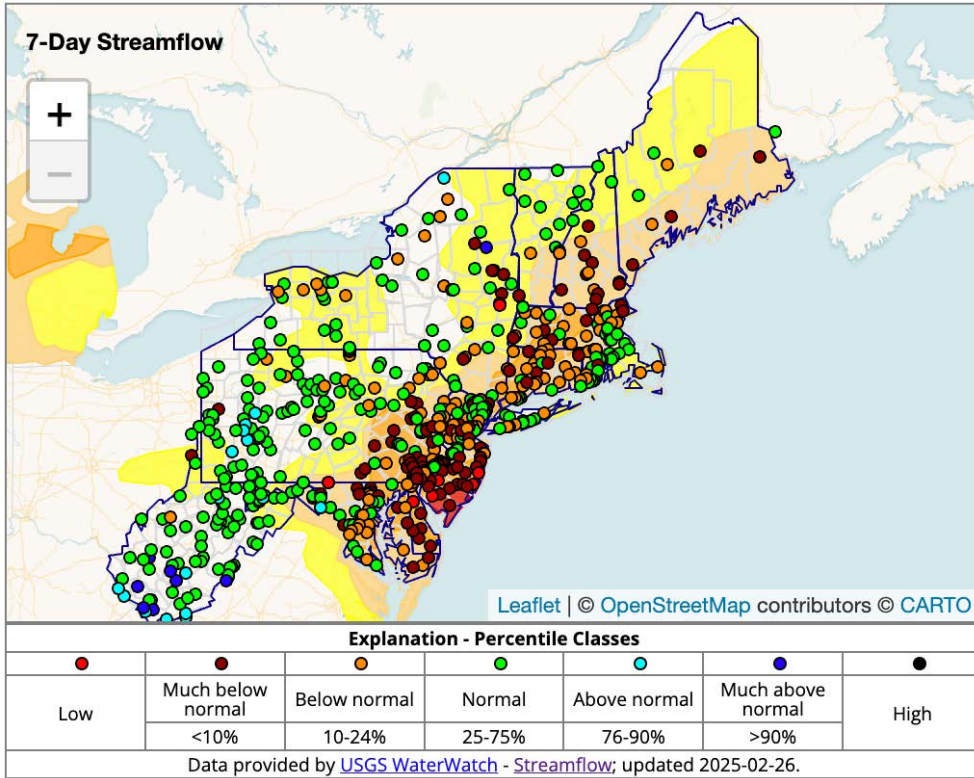
Credit: Jim Maryinuk



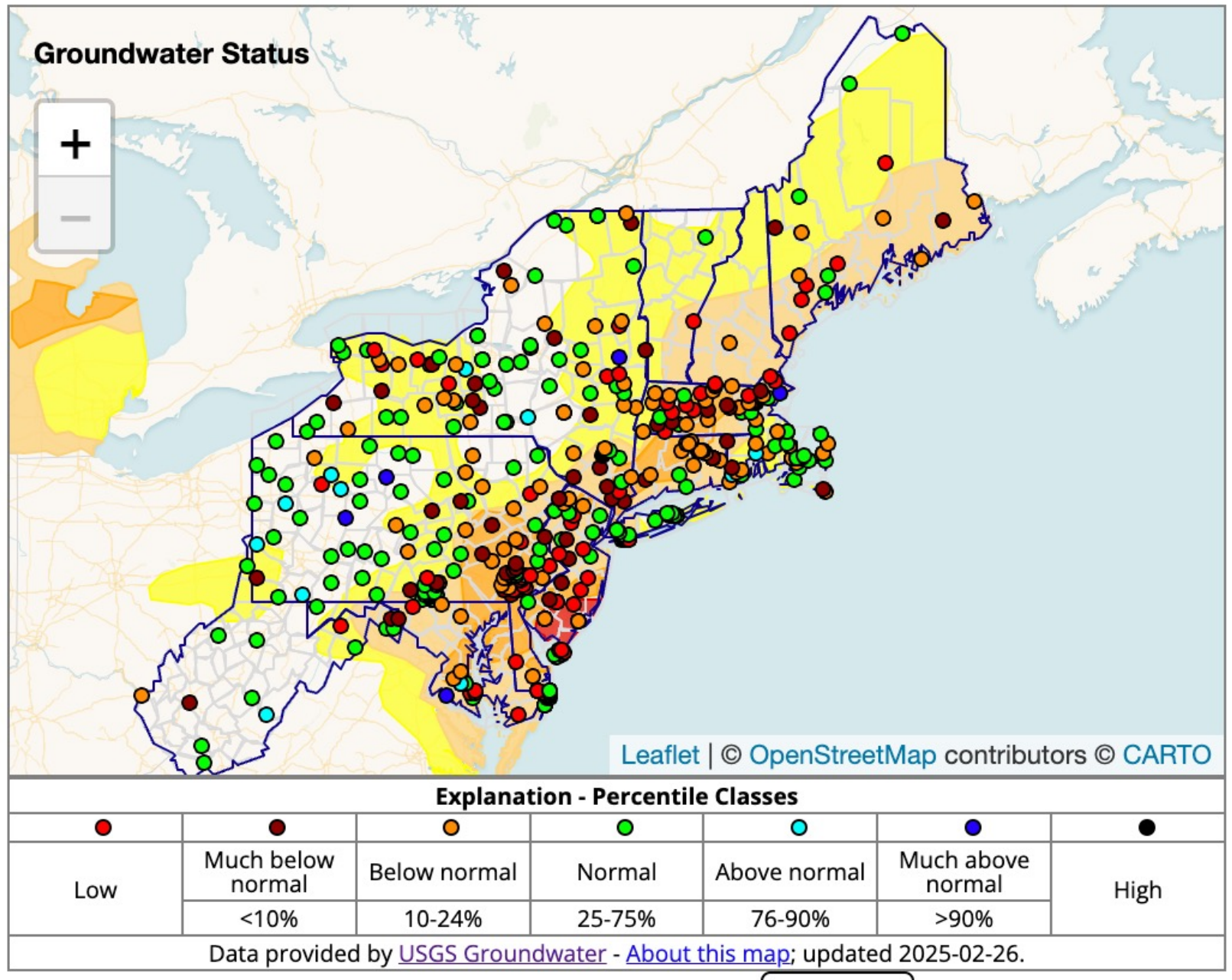
Graphs courtesy of Maine Geological Survey



Streamflow

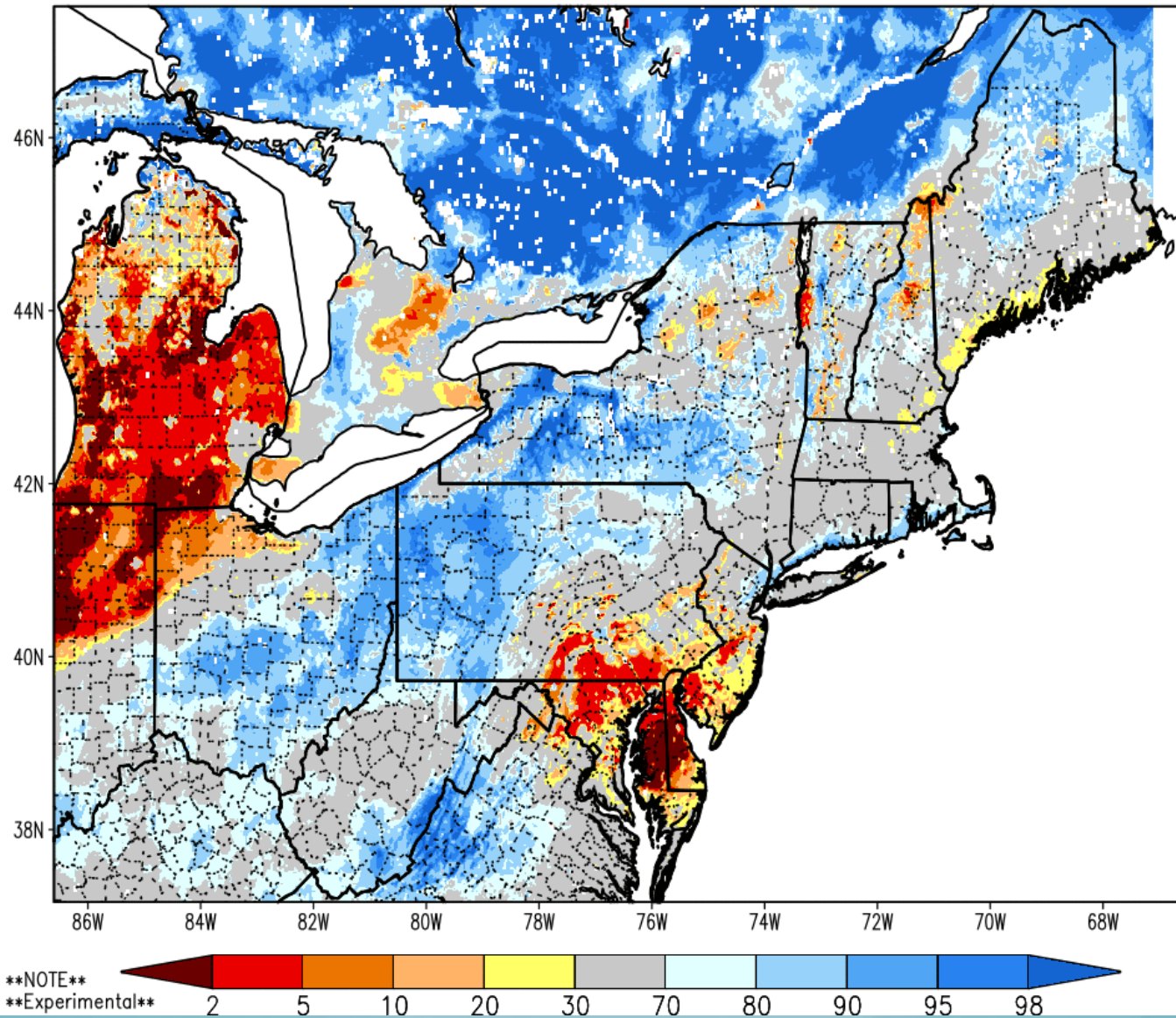


Groundwater

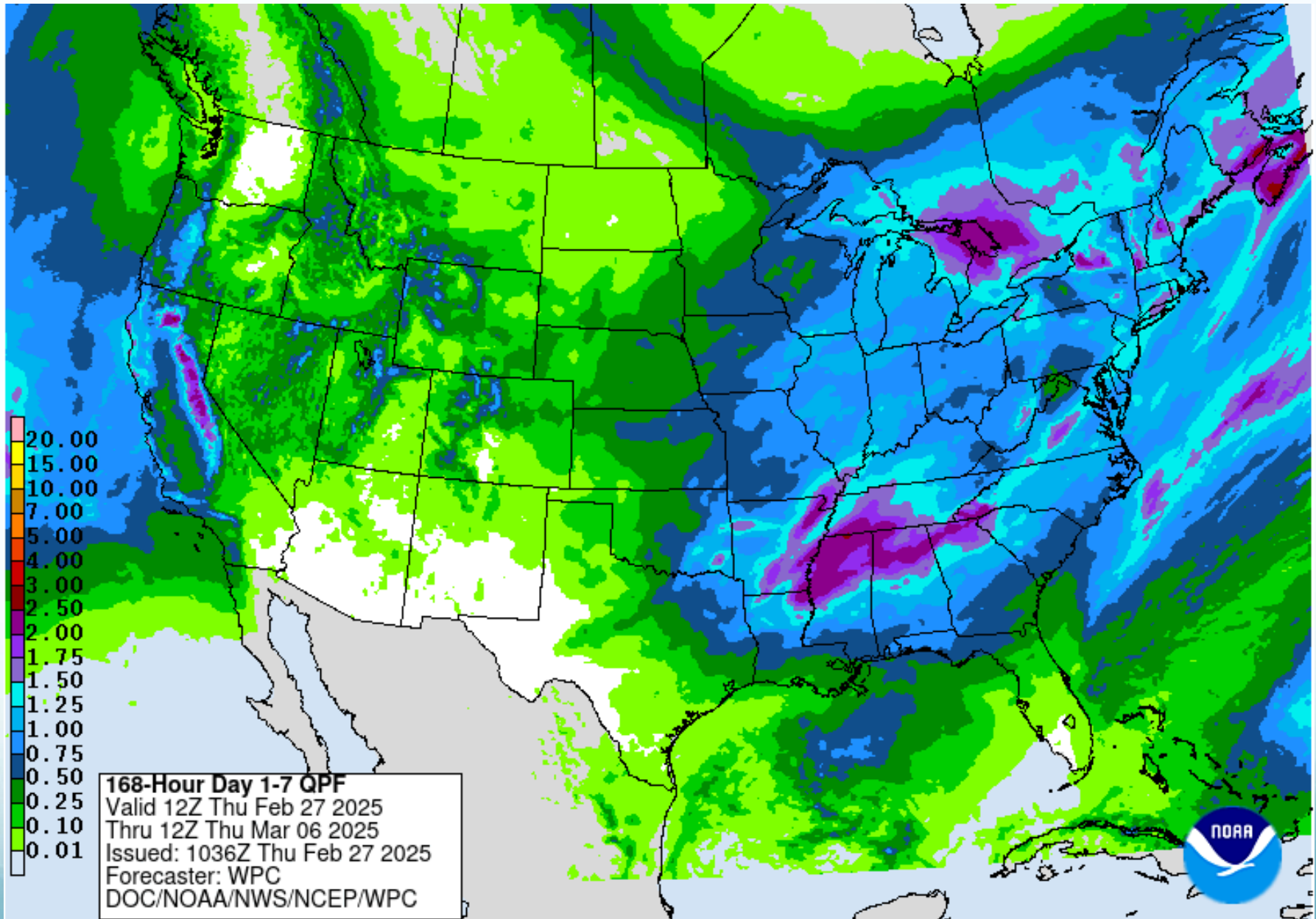


Soil Moisture

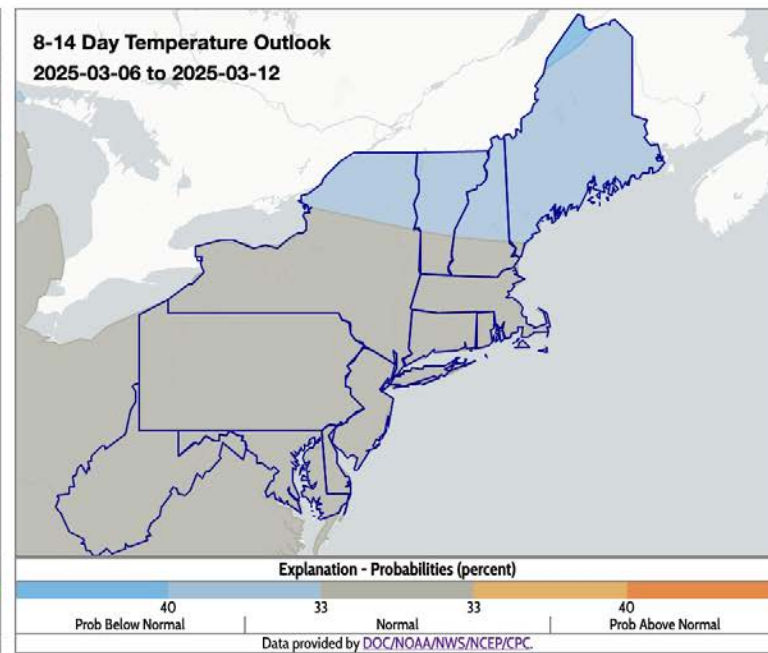
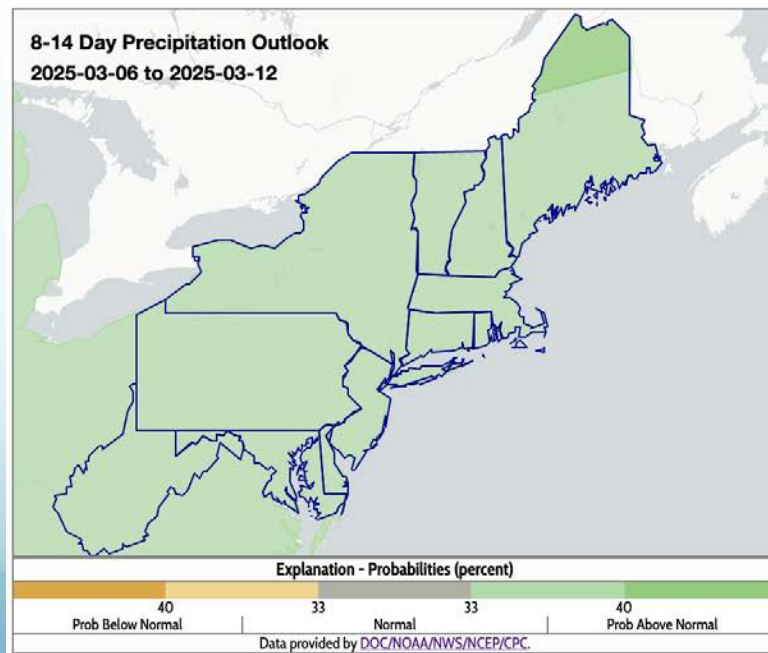
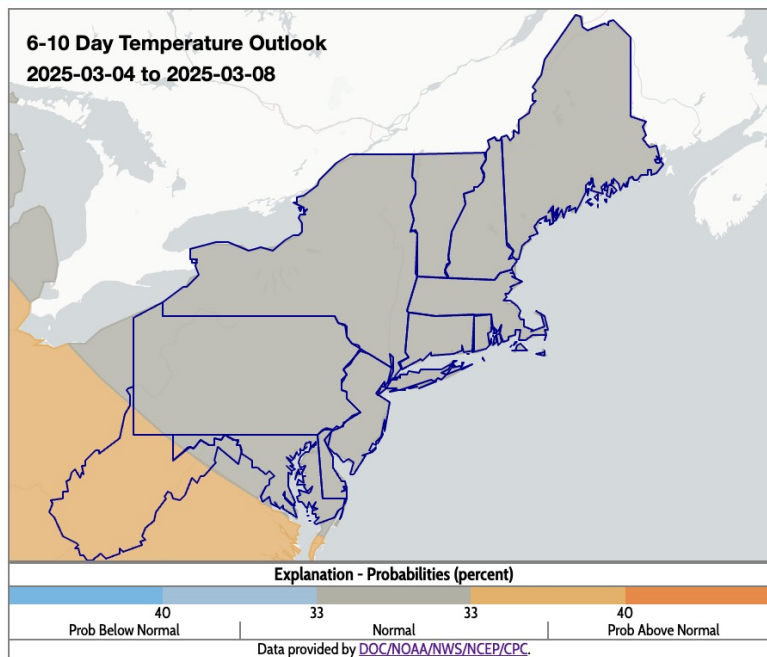
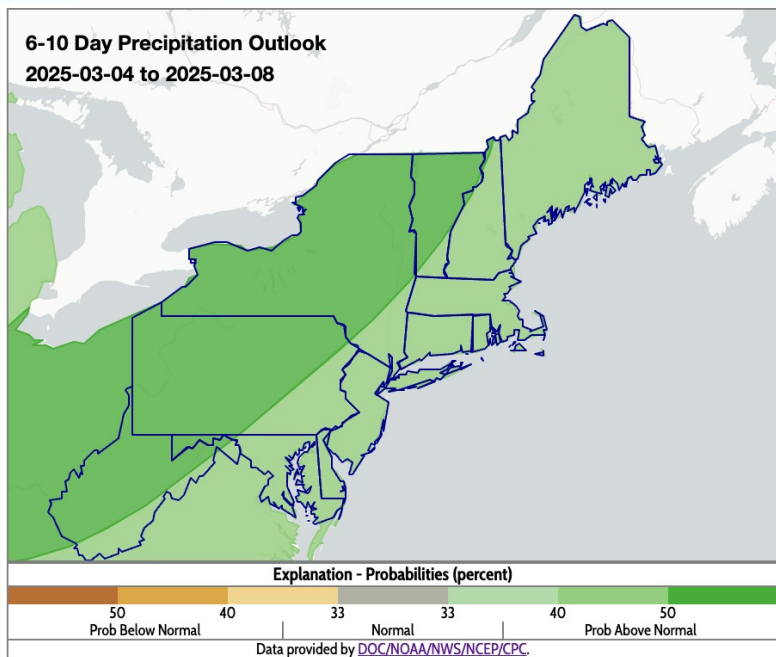
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 26 Feb 2025



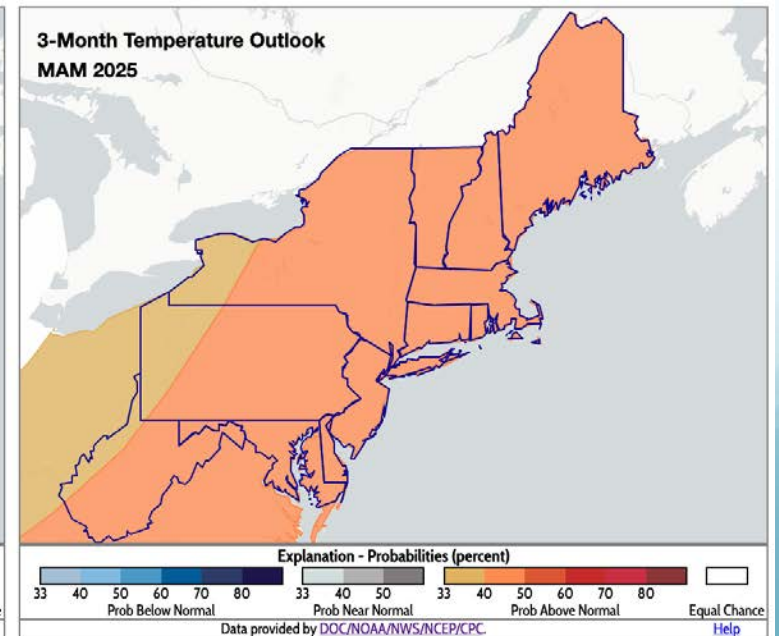
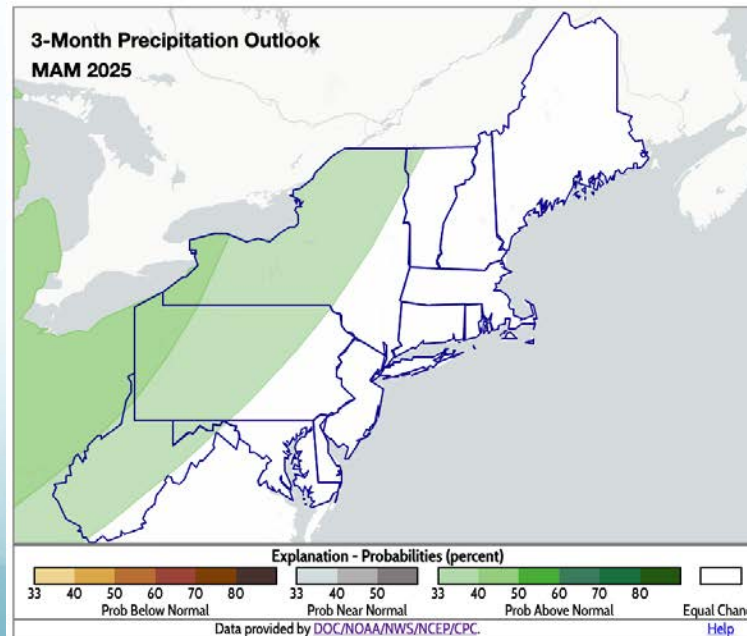
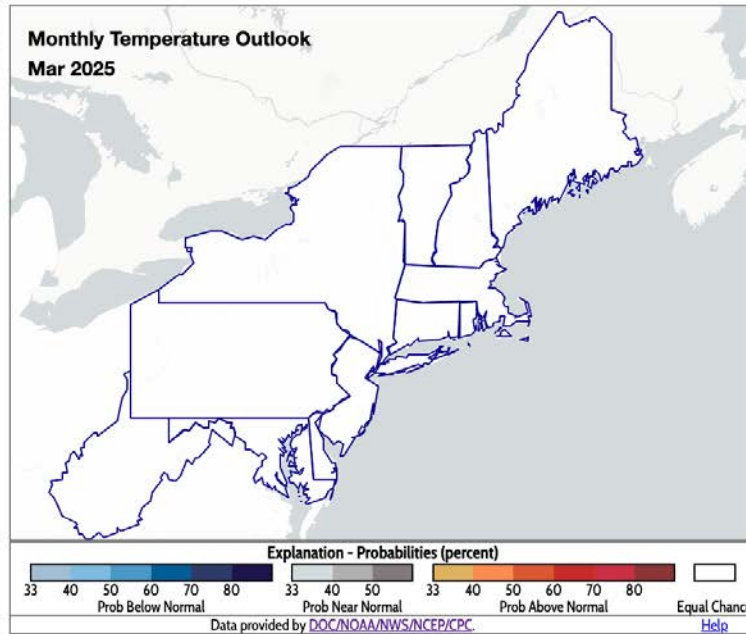
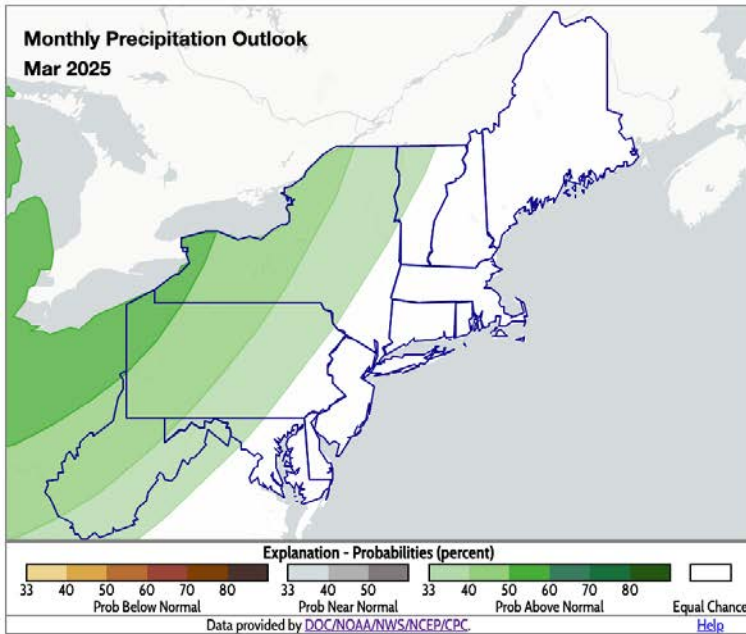
Precipitation Forecast



Short-term Outlooks



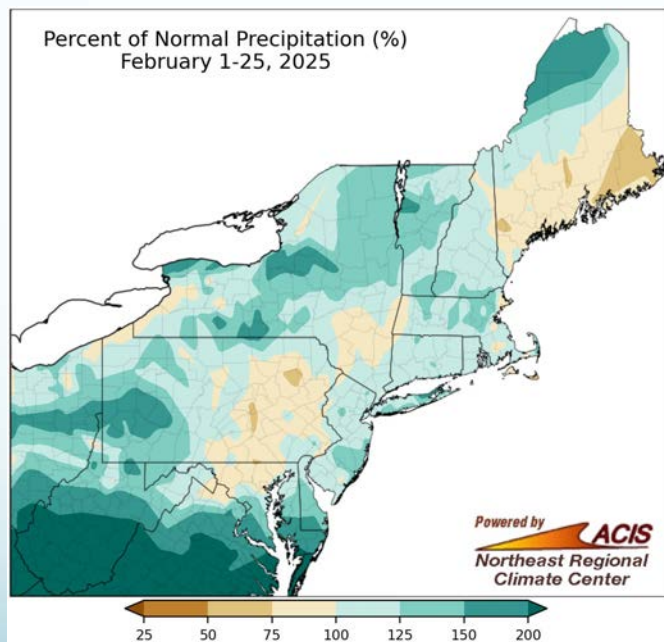
Monthly & 3-Month Outlooks



Summary

February-to-date conditions:

- Below- or near-normal temperatures for most
- Near- or above-normal precipitation for many – record wet for Beckley, WV
- Wide range of snowfall amounts – significant accumulation in central New York



Drought:

- Mix of improvement and deterioration in drought and abnormal dryness
- Below-normal or lower streamflow and/or groundwater levels persist, esp. closer to the coast

Outlooks:

- Short term precip: above-normal precipitation favored for all; perhaps some improvement?
- March and spring: above-normal precipitation for interior areas; above-normal temperatures favored for all for spring



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, March 27 at 9:30am EDT
 - Spring Flood Outlook
- Tuesday, April 29 at 9:30am EDT
 - USGS Climate Services Program
- Thursday, May 29 at 9:30am EDT
 - TBD



www.nrcc.cornell.edu