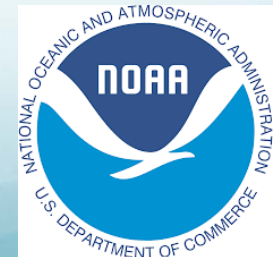


# March Review & Northeast DEWS Discussion

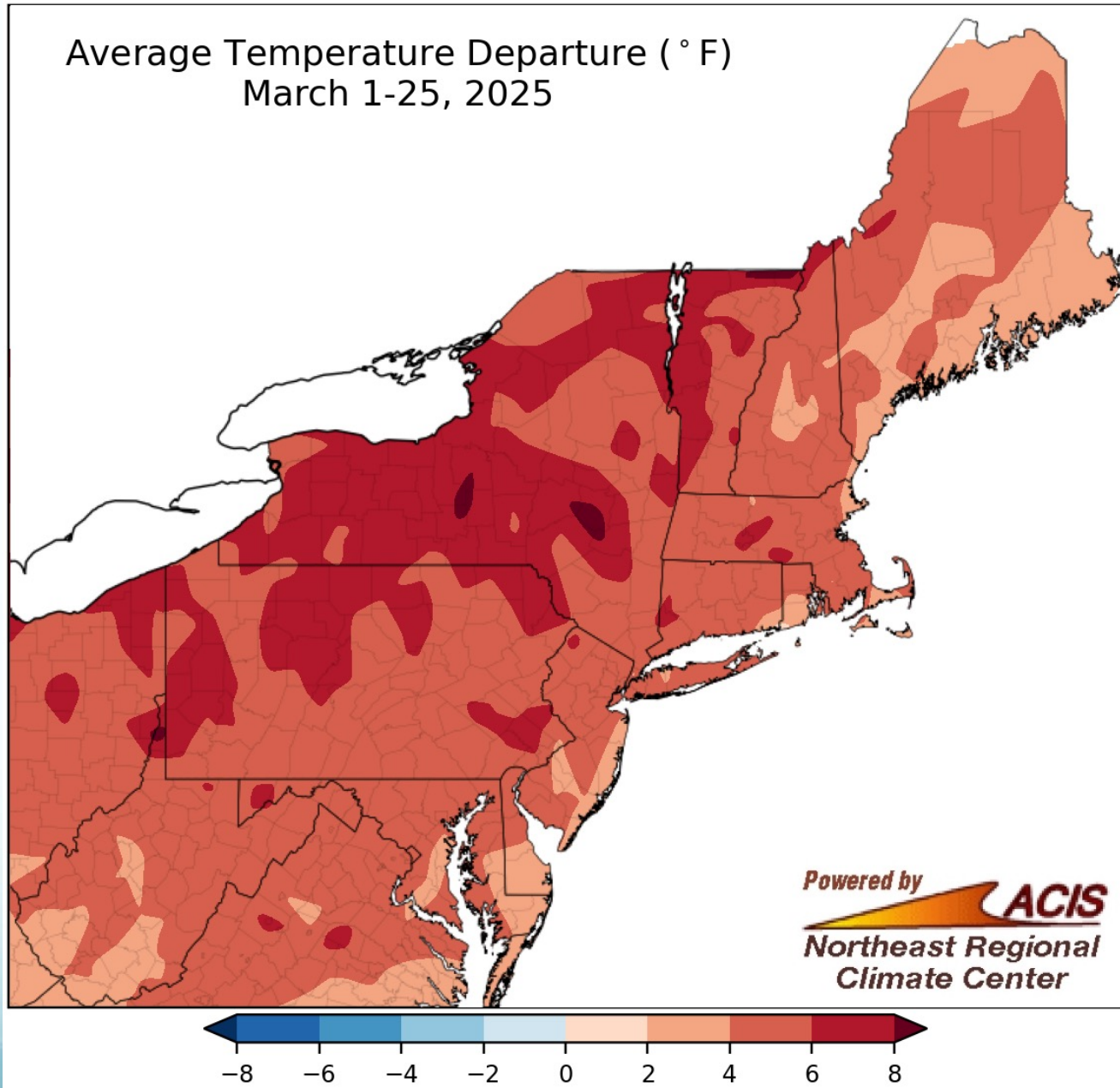
By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center



Northeast Regional  
Climate Center

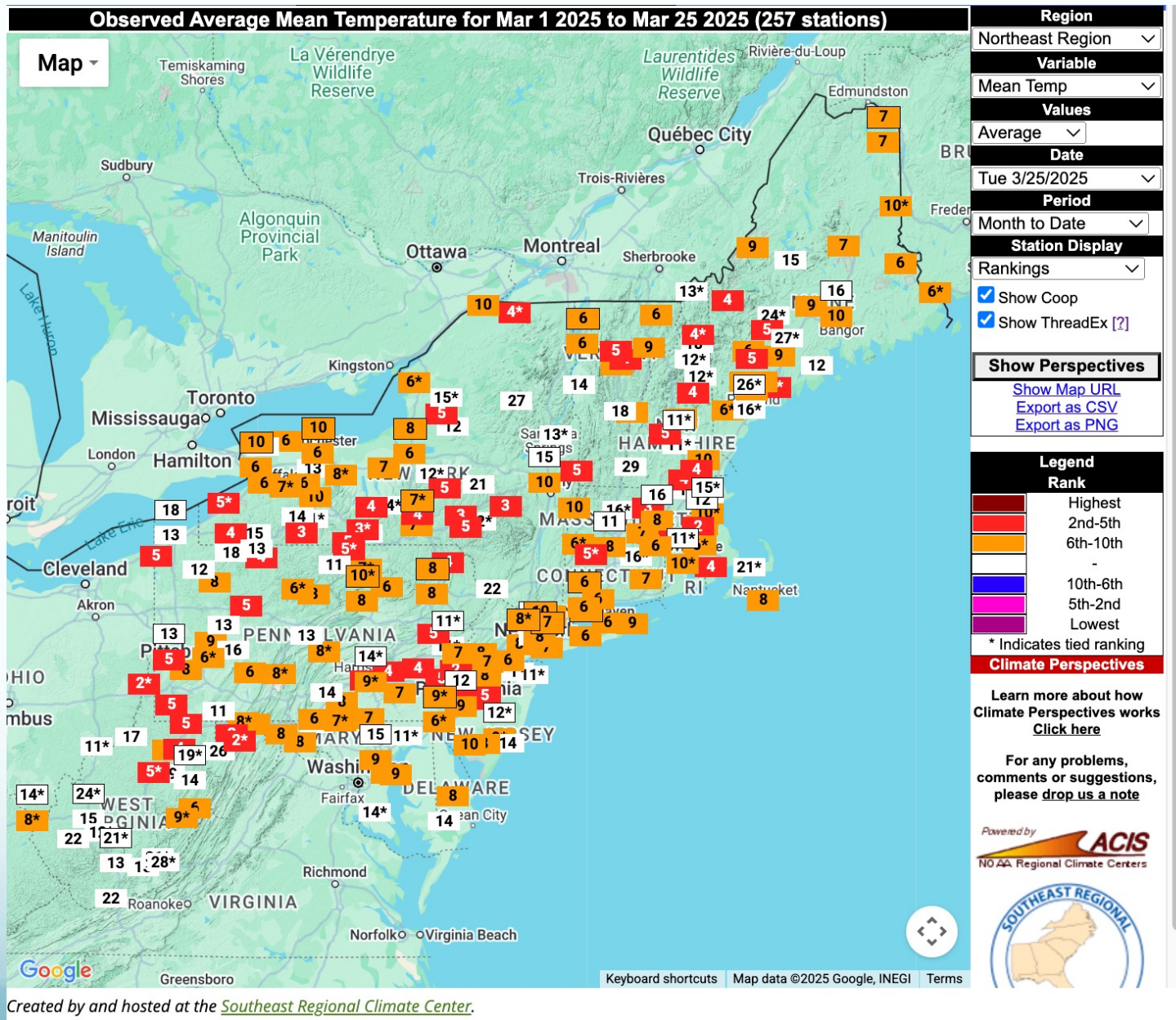


# March Temperatures



Up to 8°F above normal

# March Temperatures

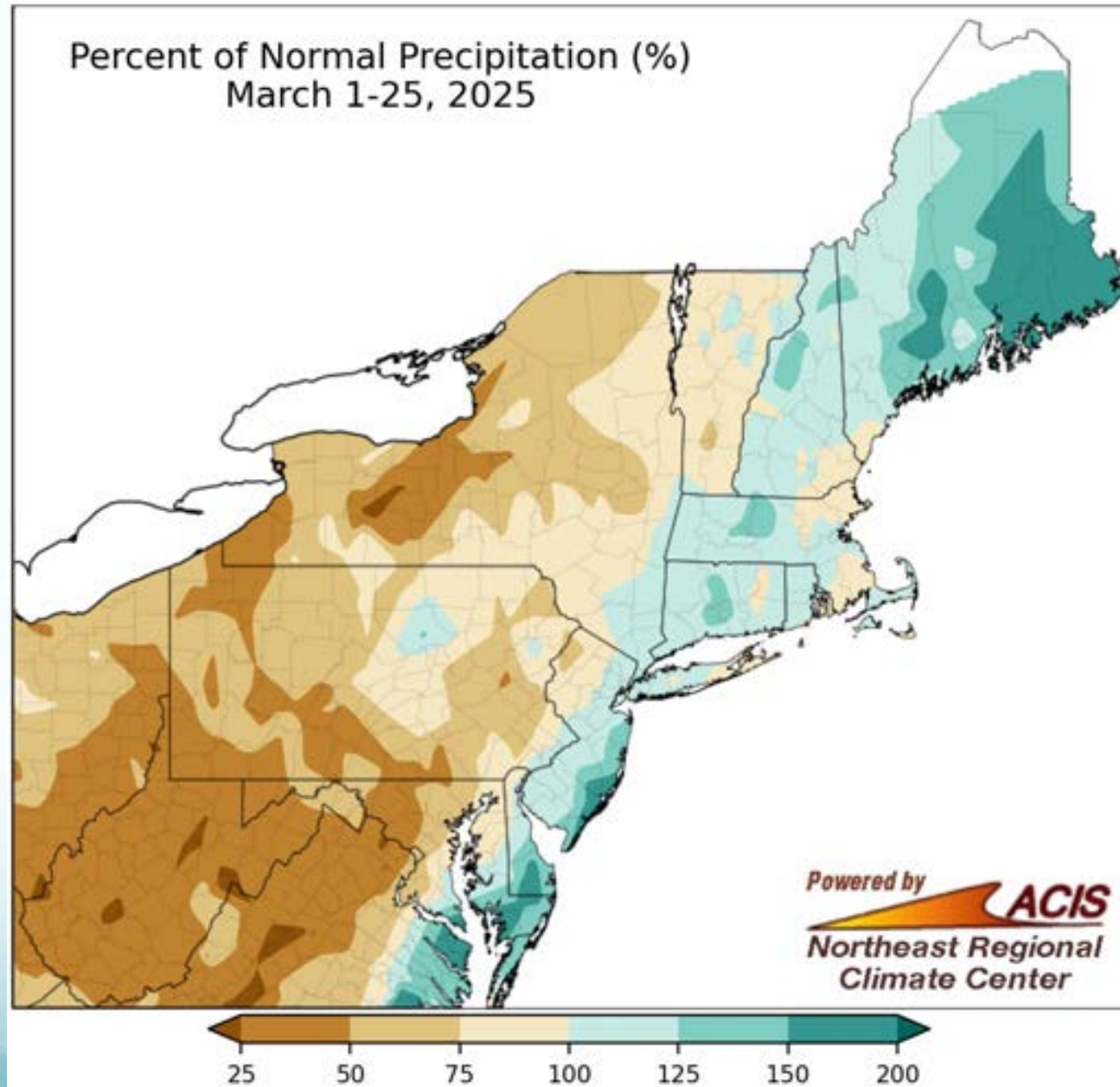


Among 10 warmest March 1-25 periods for some spots





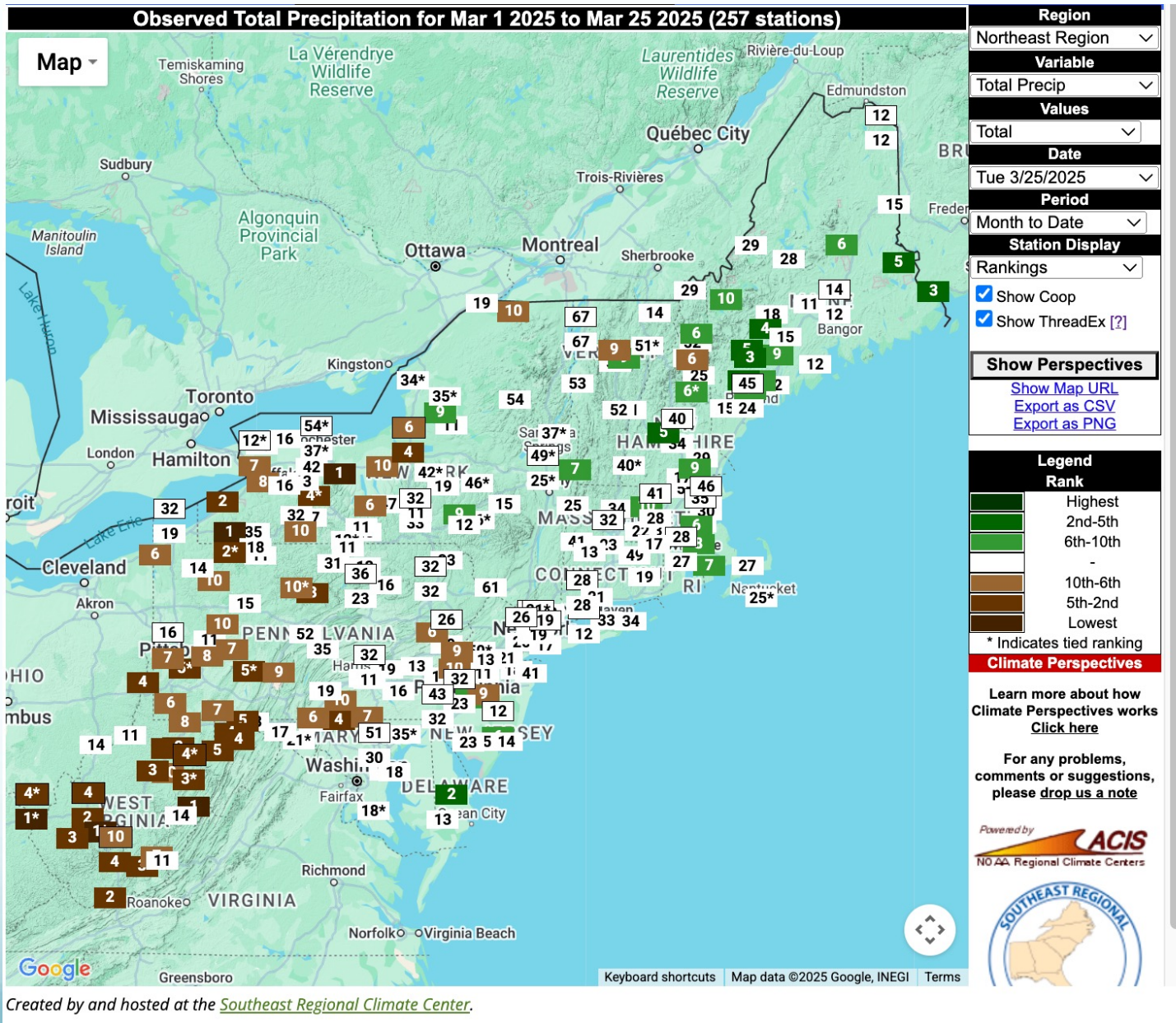
# March Precipitation



From 25% of normal to 200% of normal



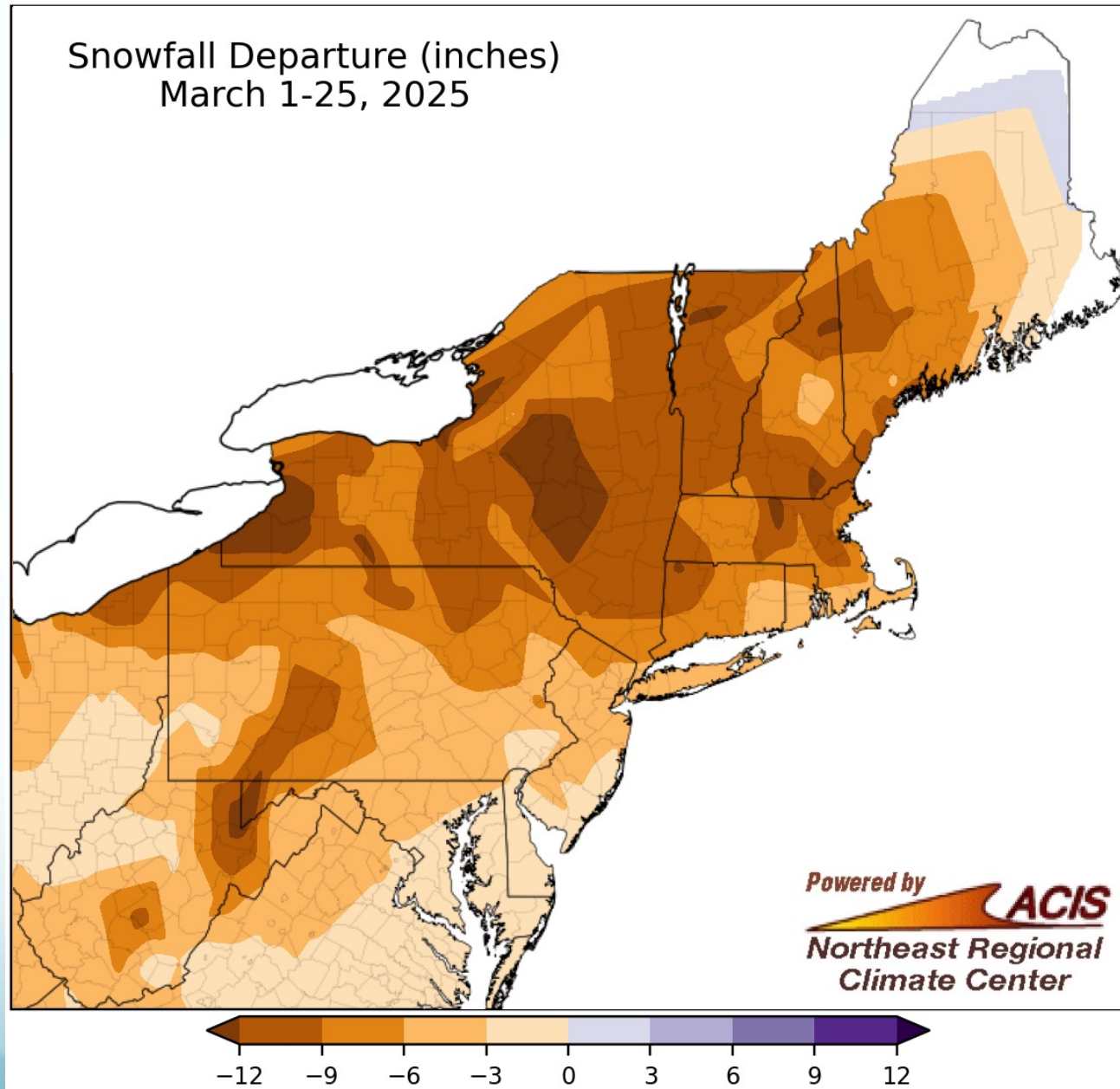
# March Precipitation



Among 10 driest March 1-25 periods for some interior sites



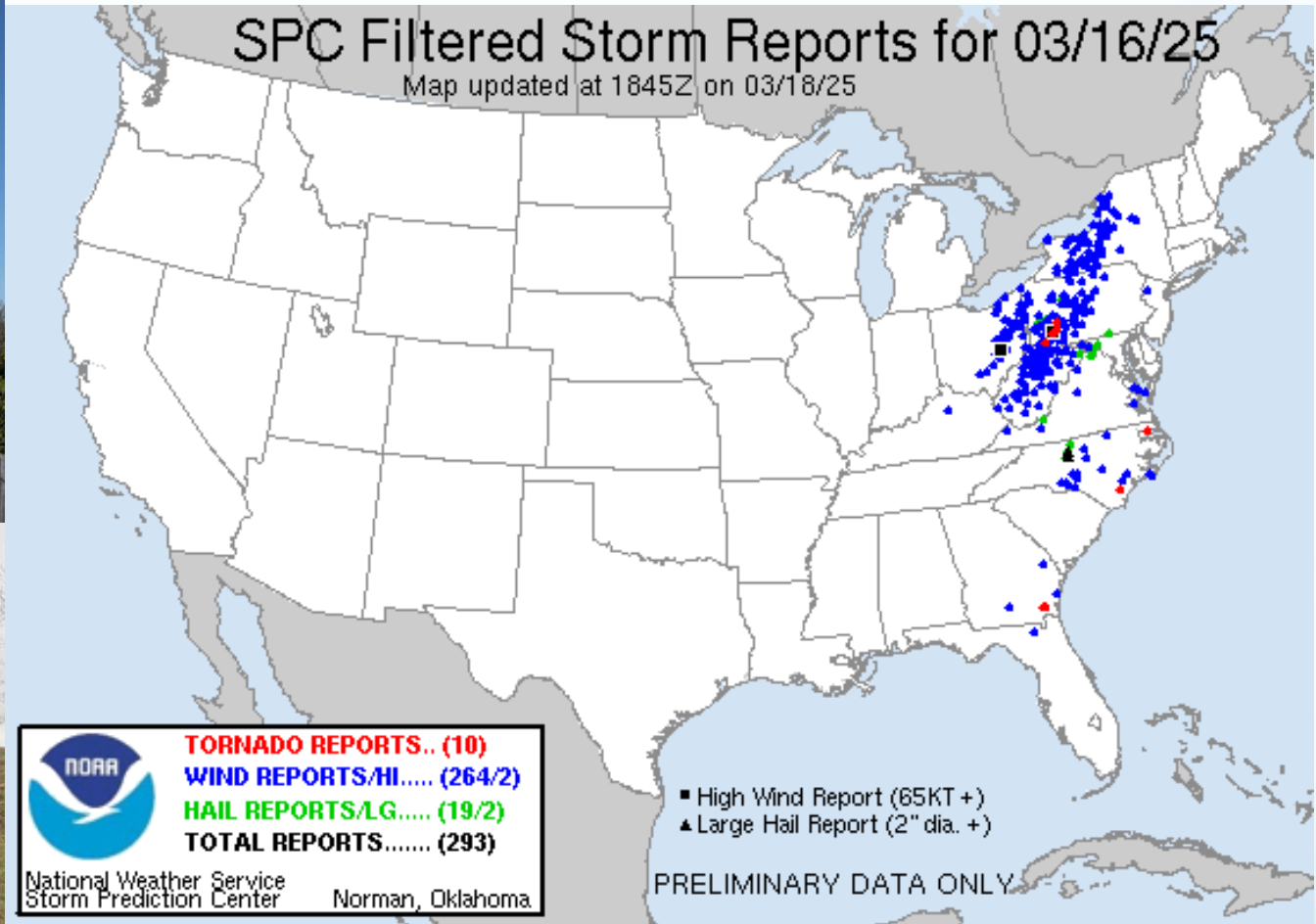
# March Snowfall



From more than 12" below normal to near normal



# March 16 Severe



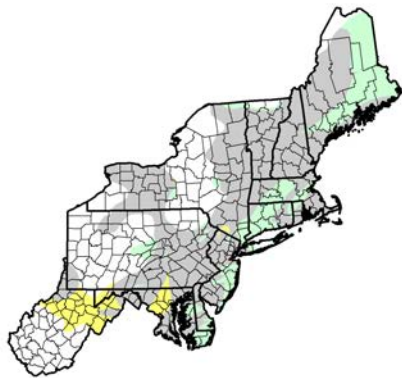
Photos courtesy of  
NWS PBZ



Five tornadoes in PA –  
likely the state's most for a single March day since 1976

# Drought Monitor

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

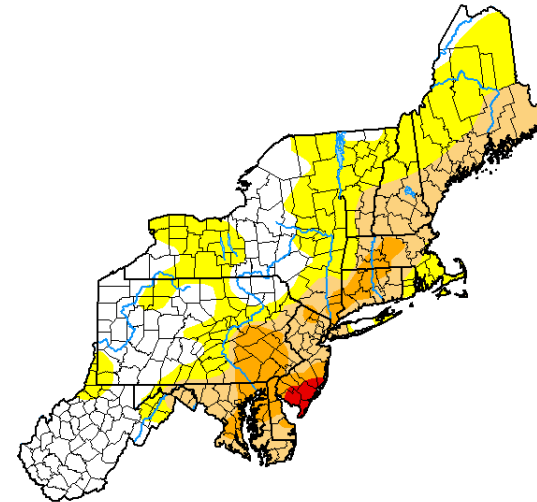


March 18, 2025  
compared to  
February 25, 2025

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:



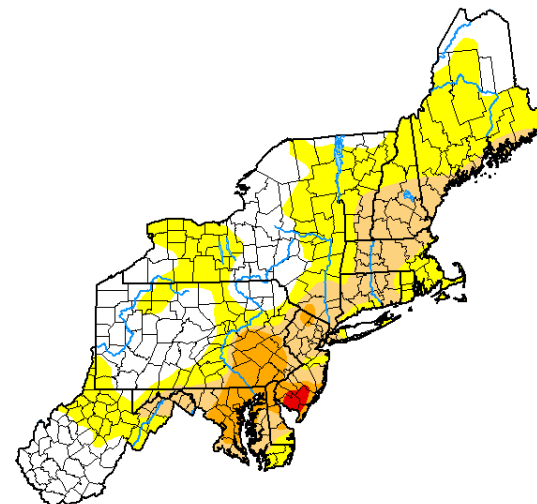
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:  
Brian Fuchs  
National Drought Mitigation Center



droughtmonitor.unl.edu

## U.S. Drought Monitor Northeast



March 18, 2025  
(Released Thursday, Mar. 20, 2025)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	33.98	40.64	18.47	6.40	0.51	0.00
Last Week 03-11-2025	33.29	39.83	20.06	6.03	0.79	0.00
3 Months Ago 12-17-2024	11.34	42.63	29.02	14.63	2.37	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 03-19-2024	97.54	1.98	0.49	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>

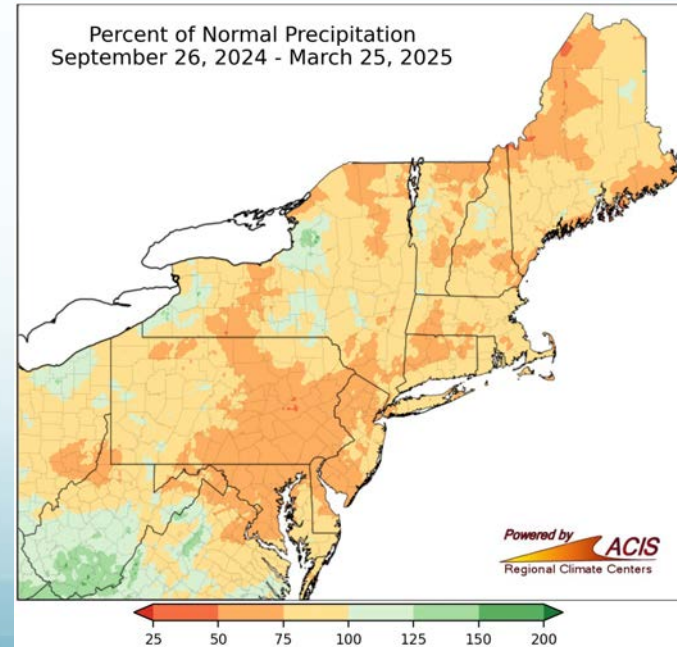
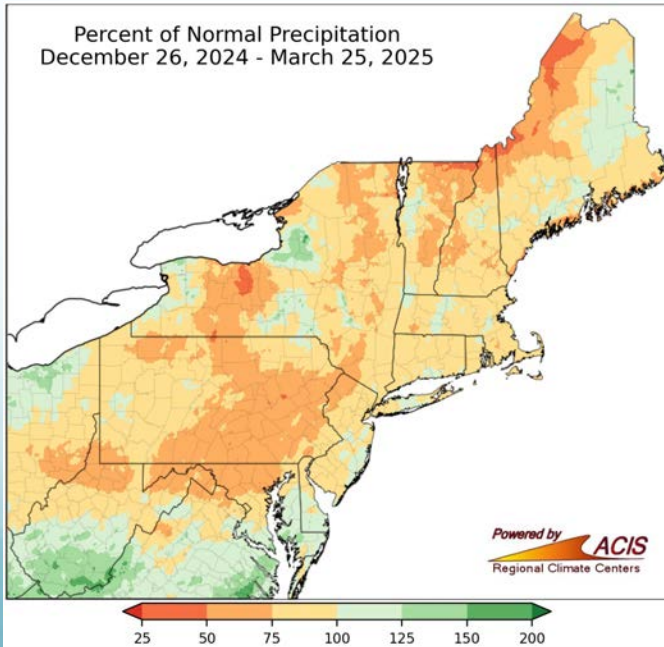
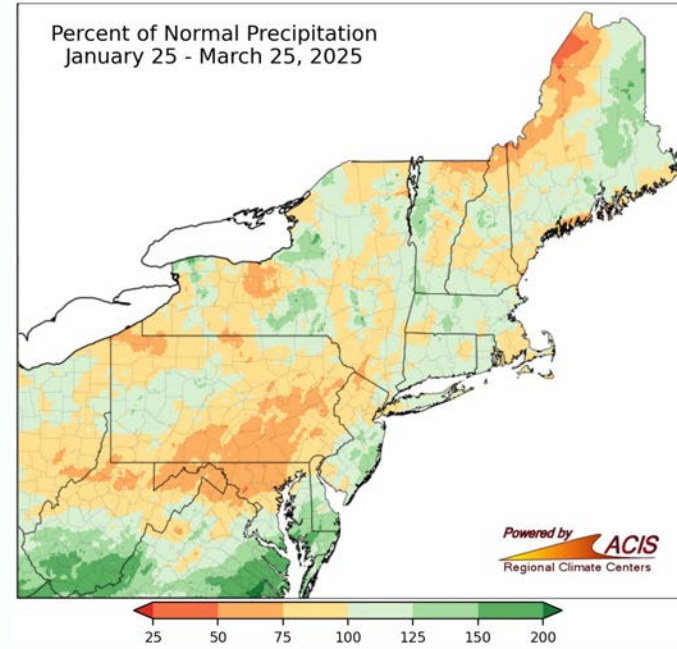
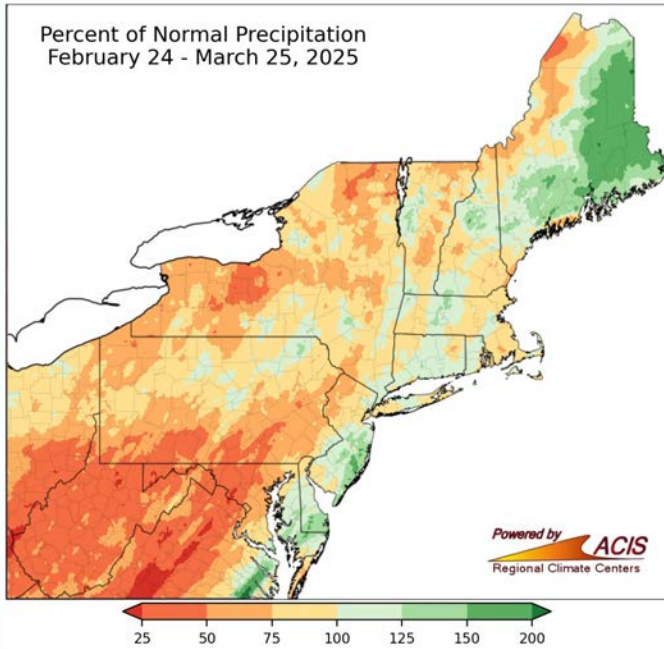
Author:  
Brad Rippey  
U.S. Department of Agriculture



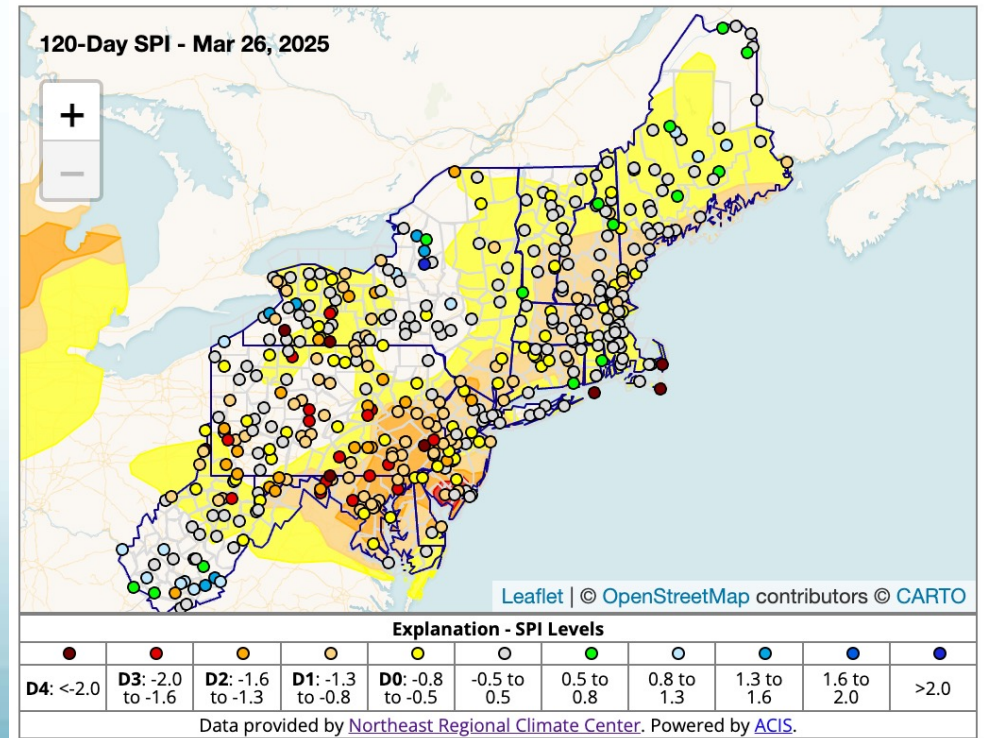
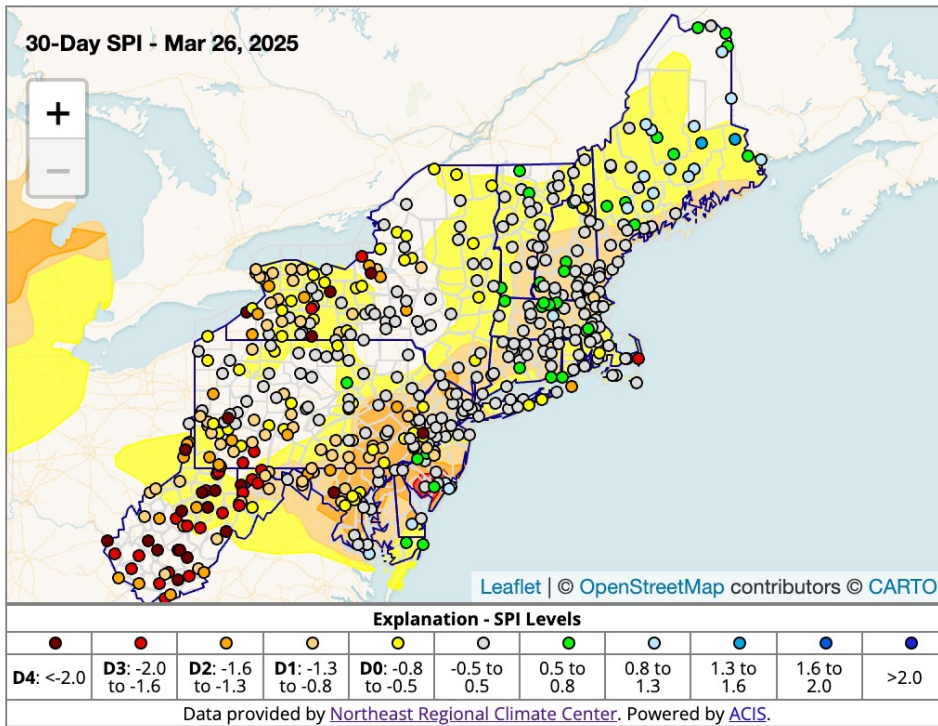
droughtmonitor.unl.edu



# Precipitation



# Standardized Precipitation Index





# Precipitation

## Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

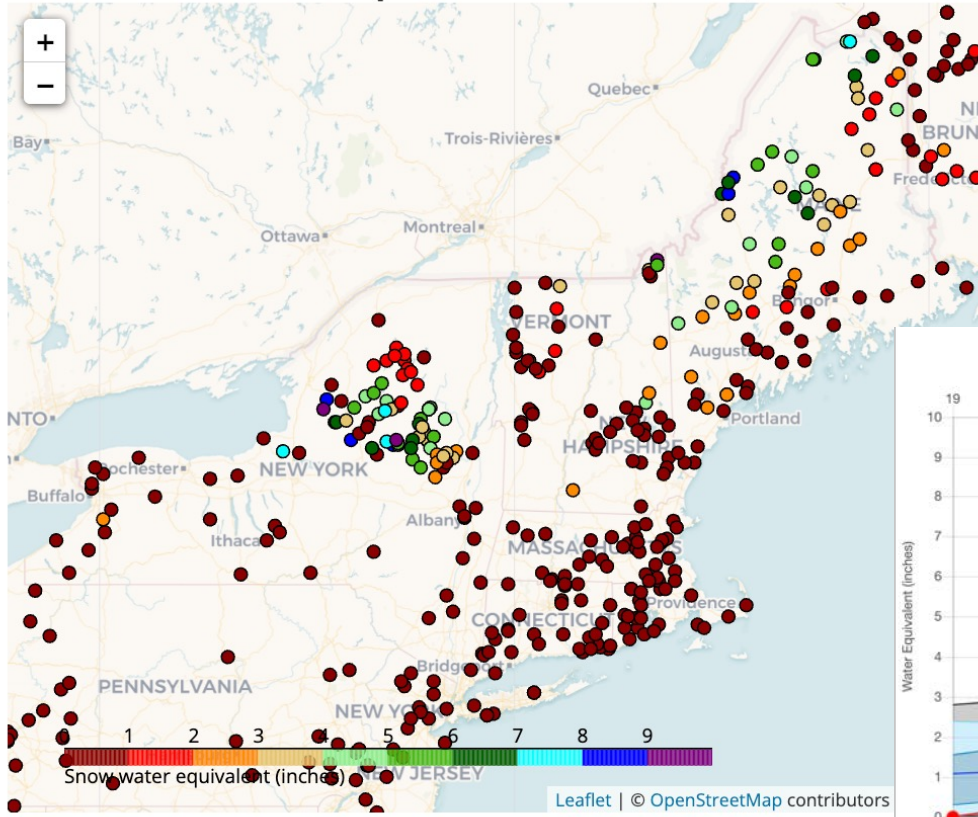
- Atlantic City Area, NJ (ThreadEx):Precip Dprt
- Philadelphia Area, PA (ThreadEx):Precip Dprt
- Washington Area, DC (ThreadEx):Precip Dprt
- New York-Central Park Area, NY (ThreadEx):Precip Dprt
- Elkins Area, WV (ThreadEx):Precip Dprt

Powered by ACIS

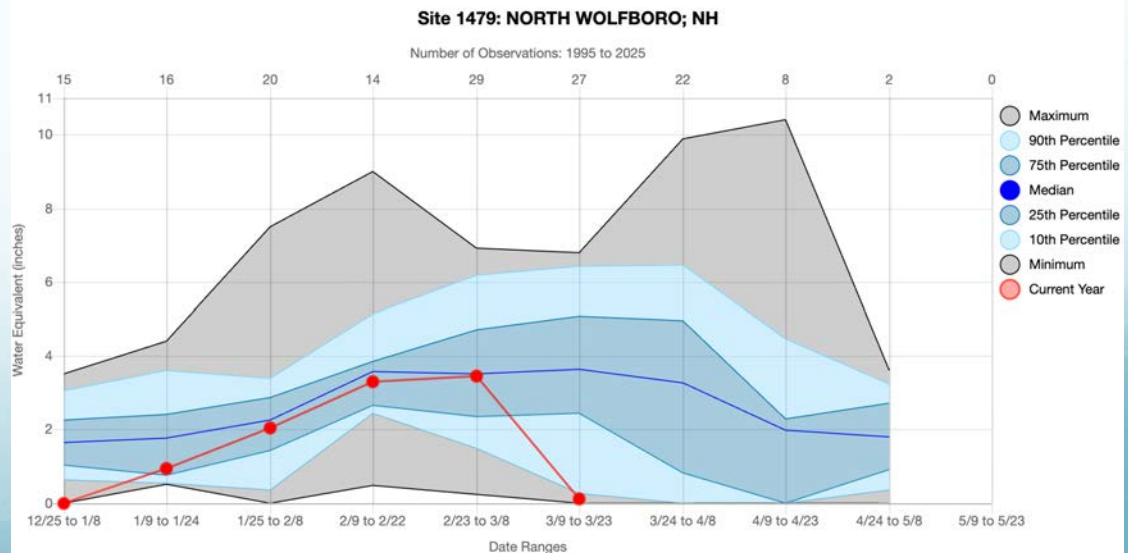
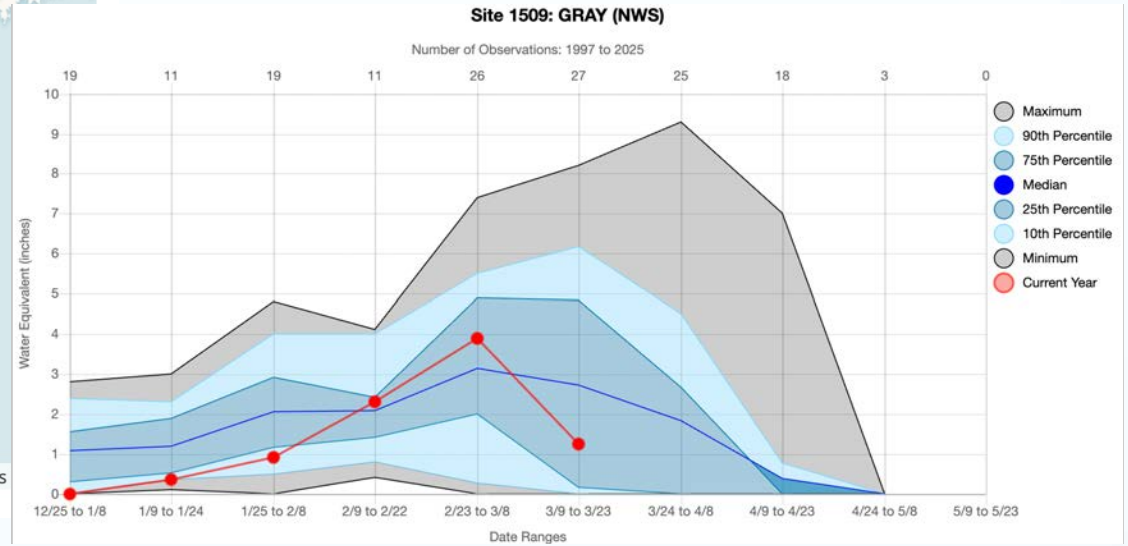




# Snow Water Equivalent for March 9-19, 2025



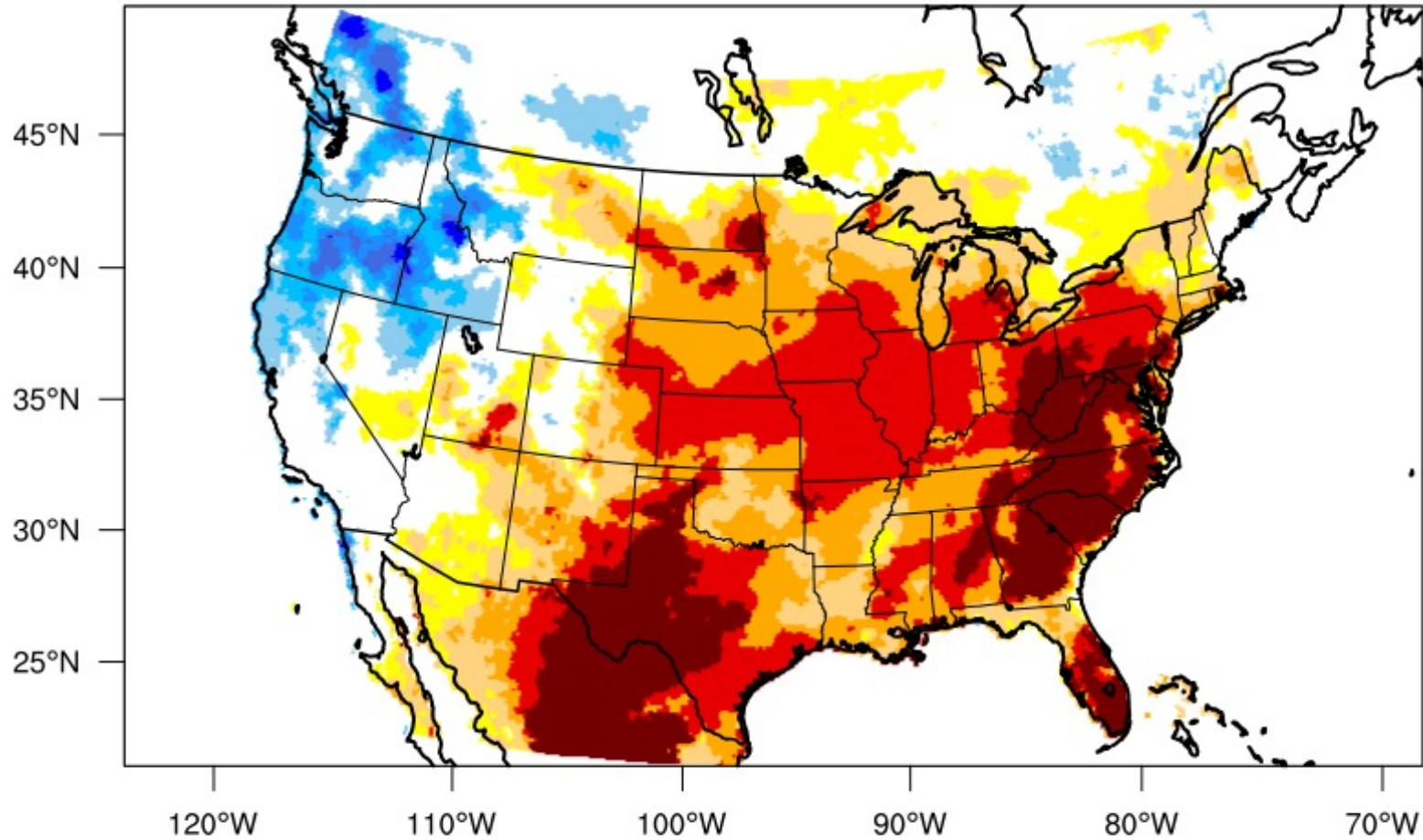
# SWE



Graphs courtesy of Maine Geological Survey

# Evap. Demand Drought Index

3-week EDDI categories for March 21, 2025



Drought categories

Wetness categories



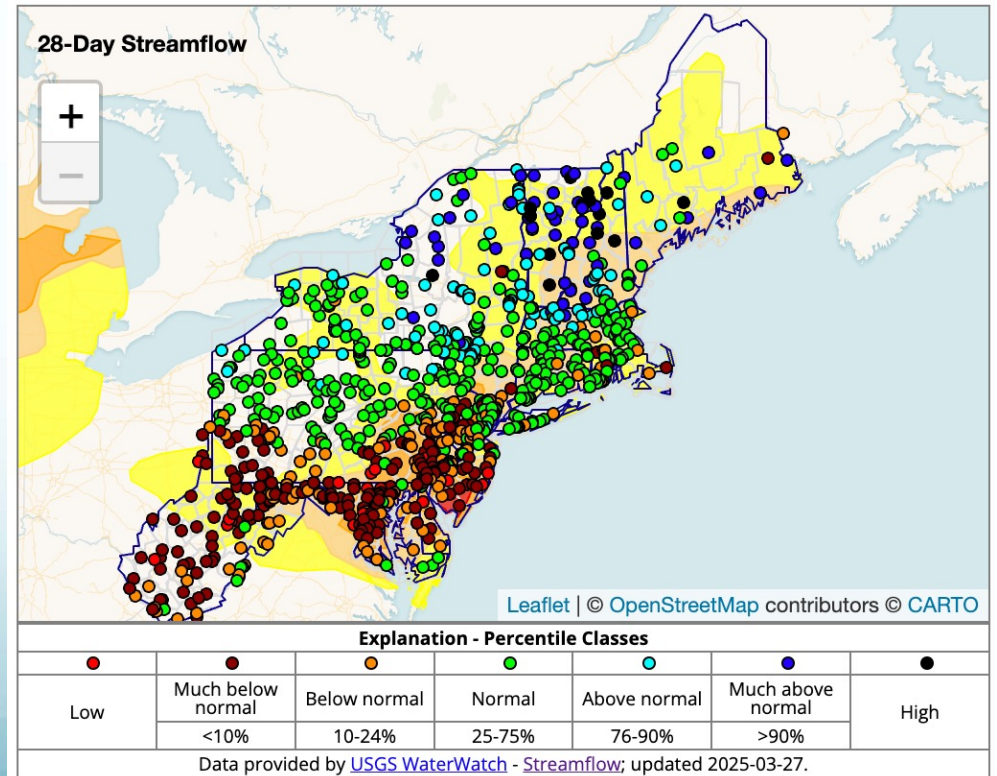
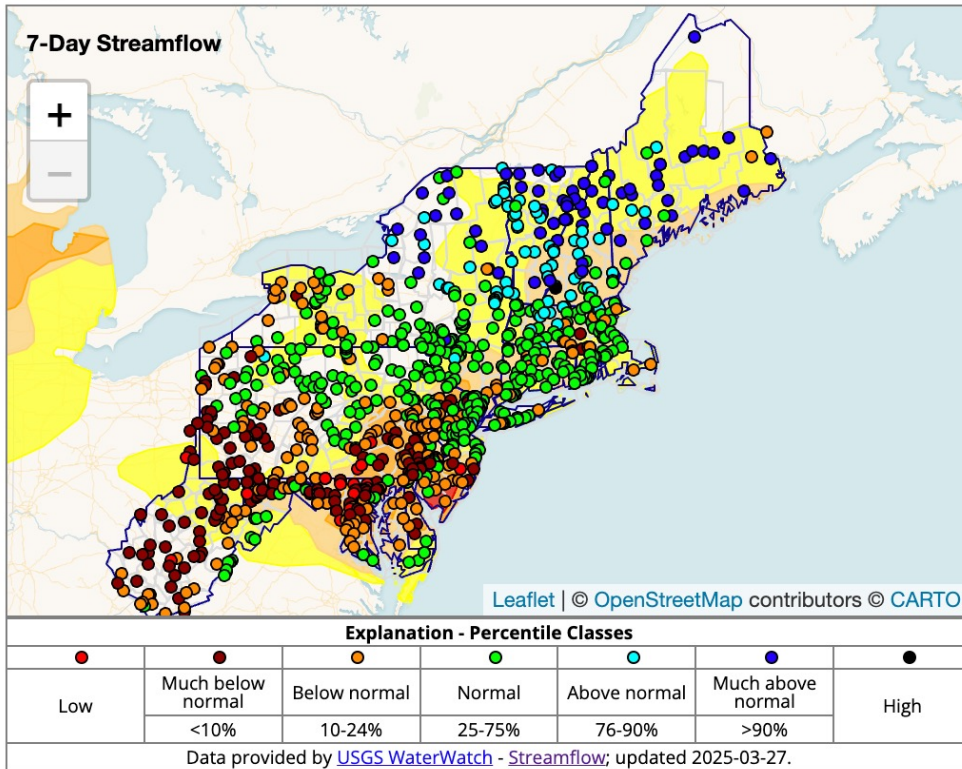
100% 98% 95% 90% 80% 70% 30% 20% 10% 5% 2% 0%

(EDDI-percentile category breaks: 100% = driest; 0% = wettest)



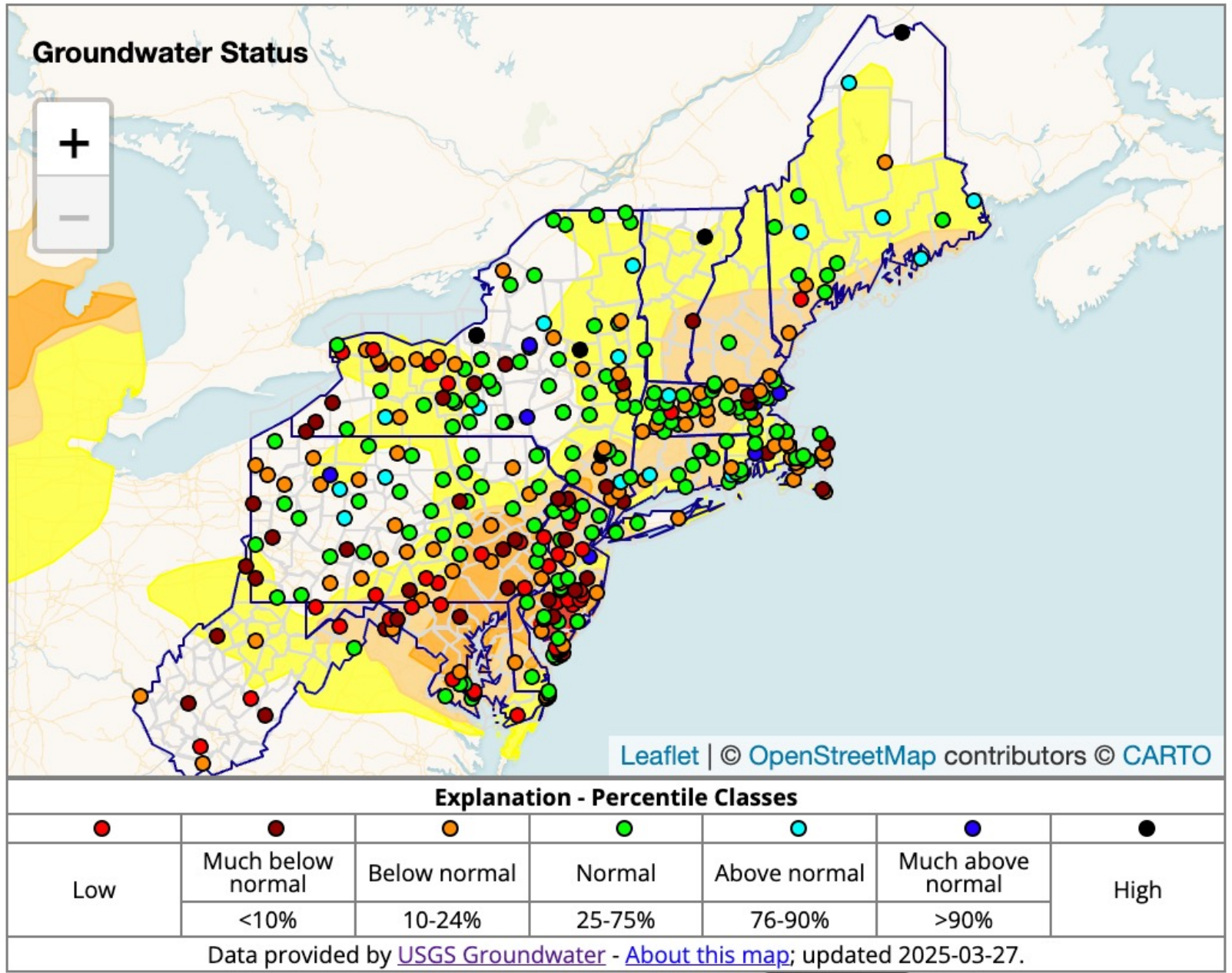


# Streamflow



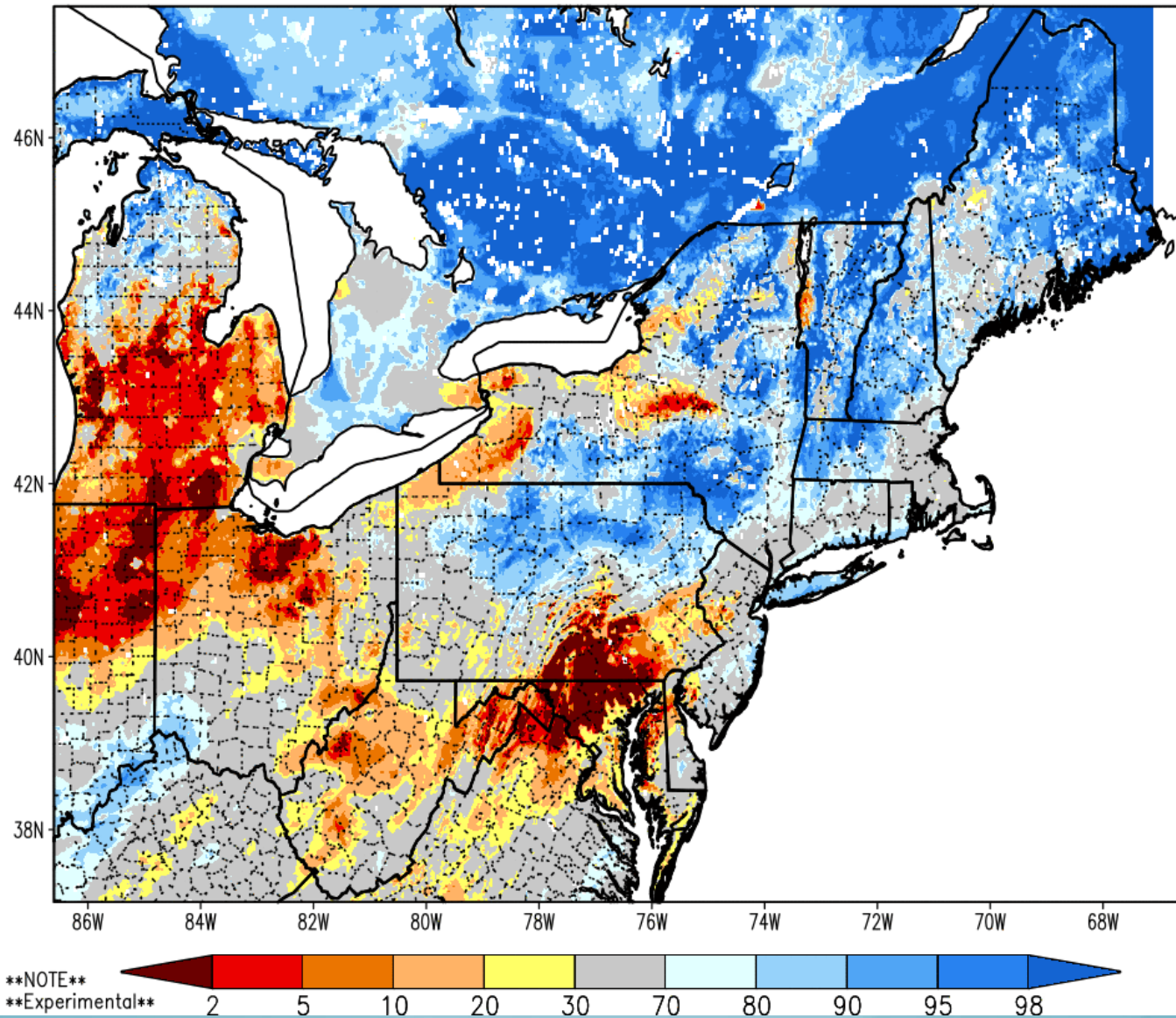


# Groundwater



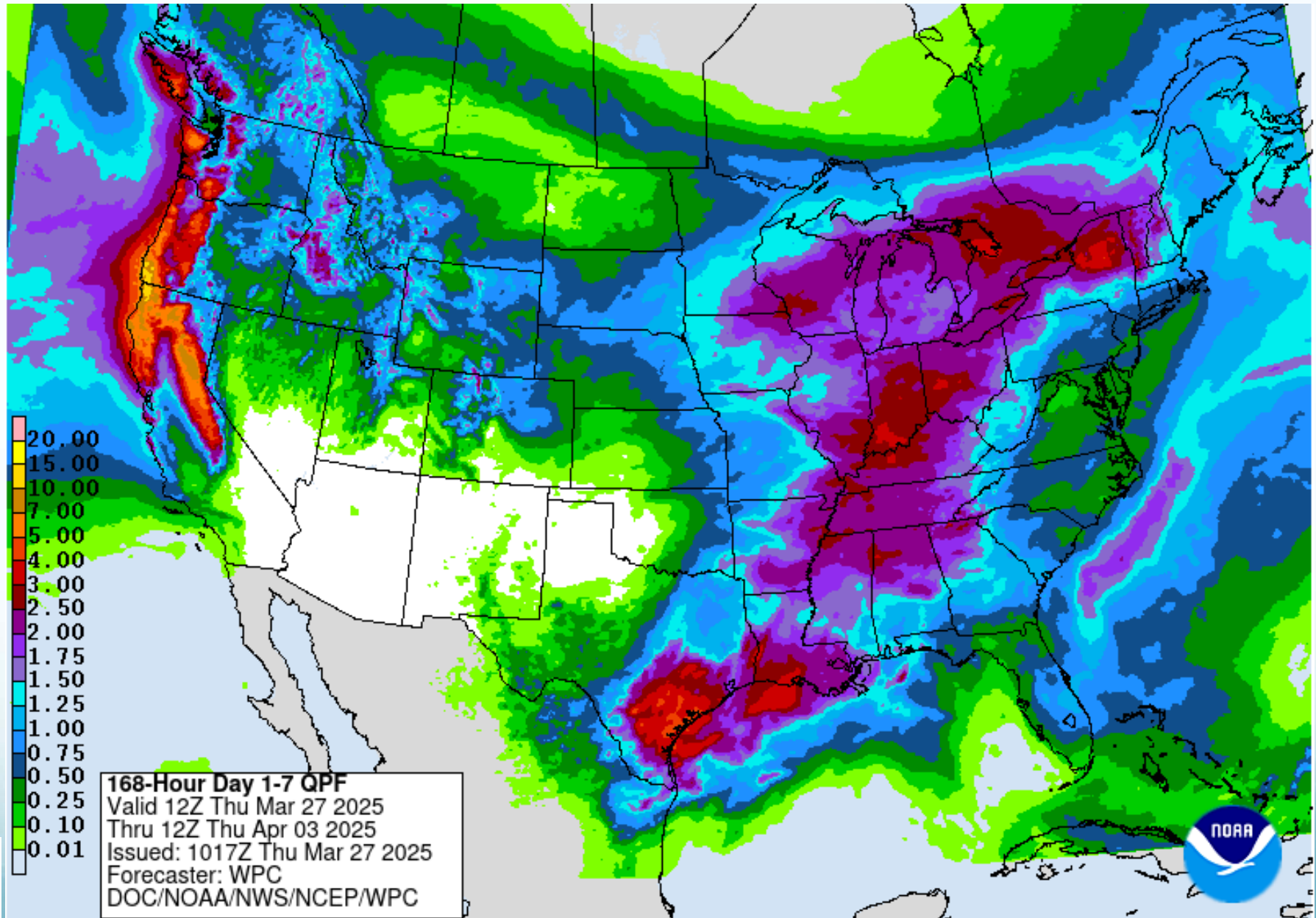
# Soil Moisture

SPoRT-LIS 0-100 cm Soil Moisture percentile valid 27 Mar 2025





# Precipitation Forecast



“Normal” precipitation for this period is about 0.75” to 1.00”



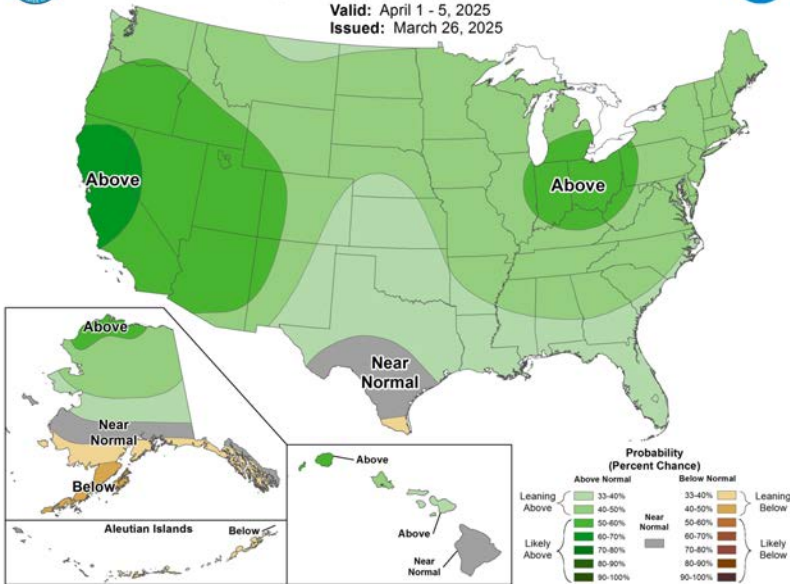


# Short-term Outlooks



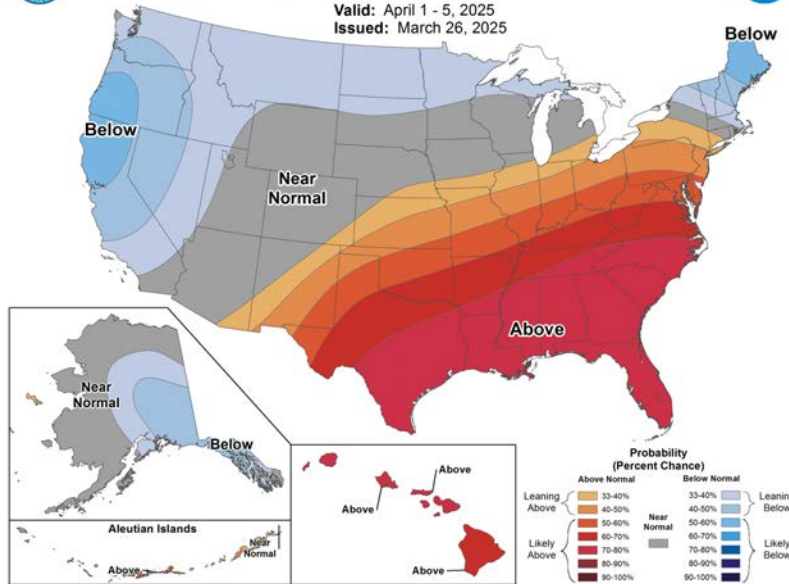
## 6-10 Day Precipitation Outlook

Valid: April 1 - 5, 2025  
Issued: March 26, 2025



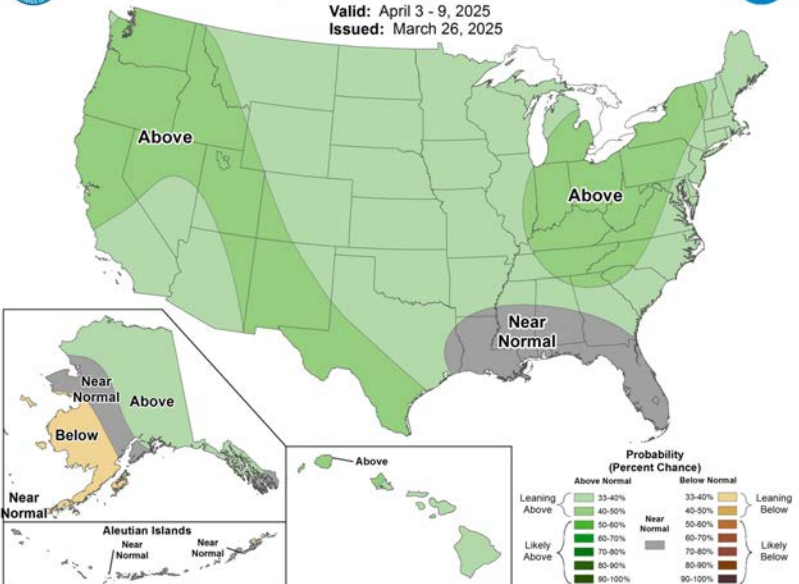
## 6-10 Day Temperature Outlook

Valid: April 1 - 5, 2025  
Issued: March 26, 2025



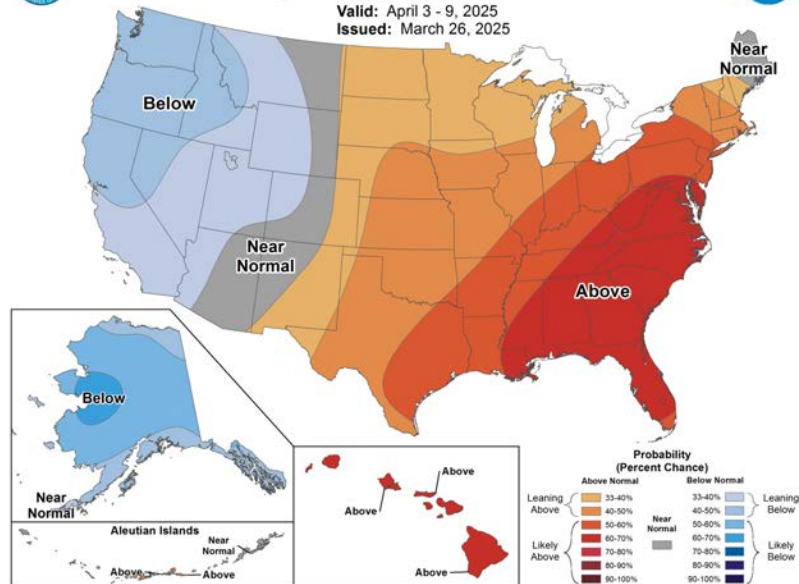
## 8-14 Day Precipitation Outlook

Valid: April 3 - 9, 2025  
Issued: March 26, 2025

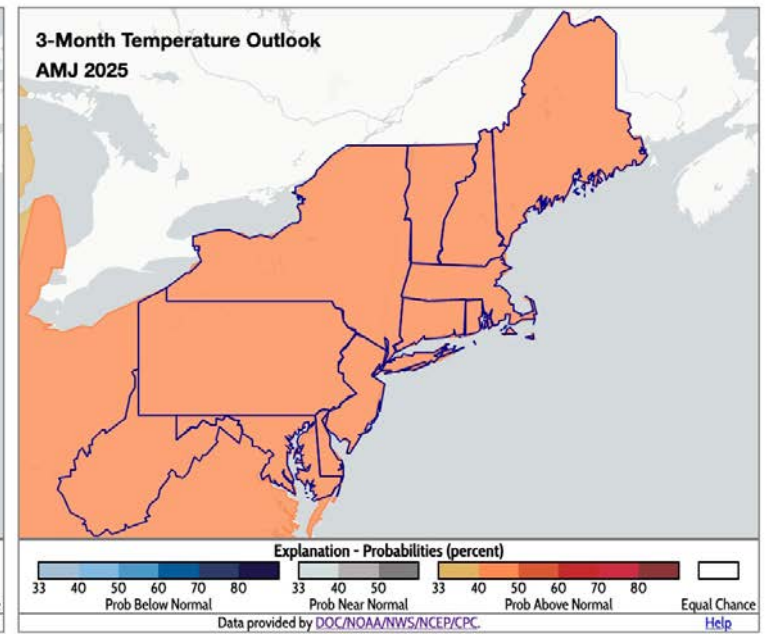
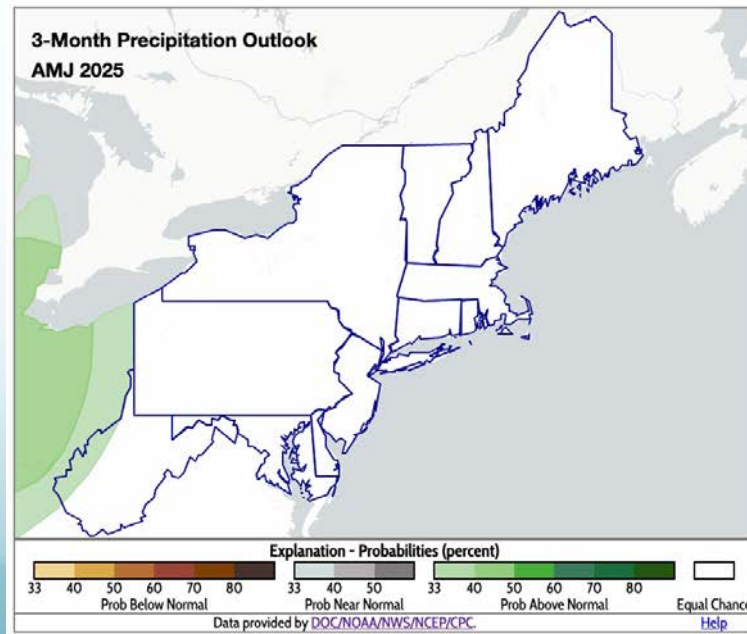
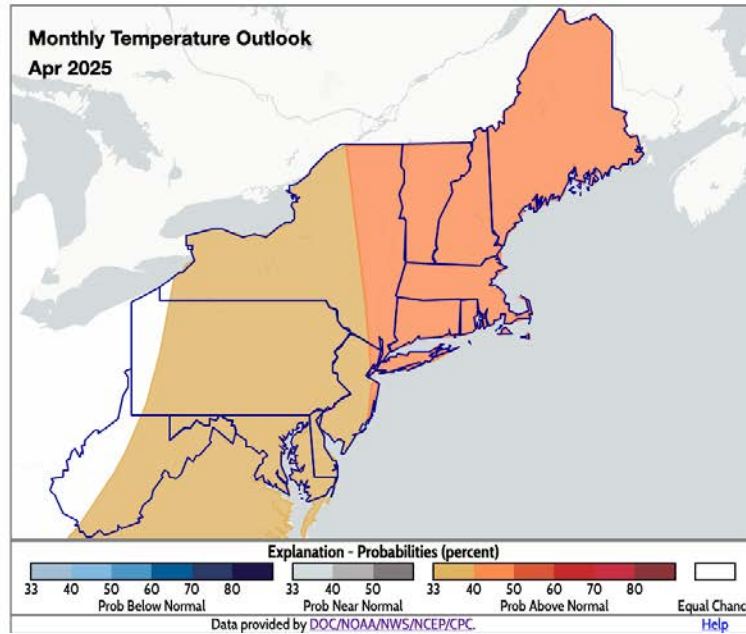
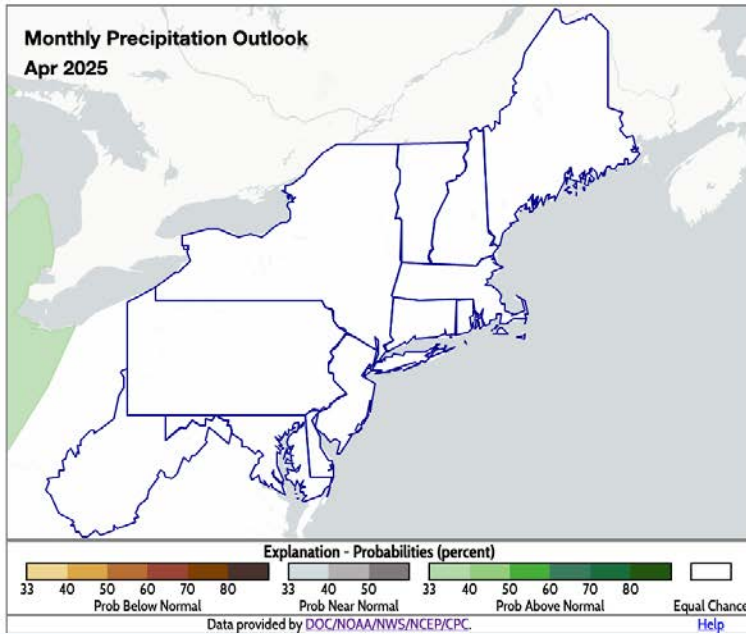


## 8-14 Day Temperature Outlook

Valid: April 3 - 9, 2025  
Issued: March 26, 2025



# Monthly & 3-Month Outlooks

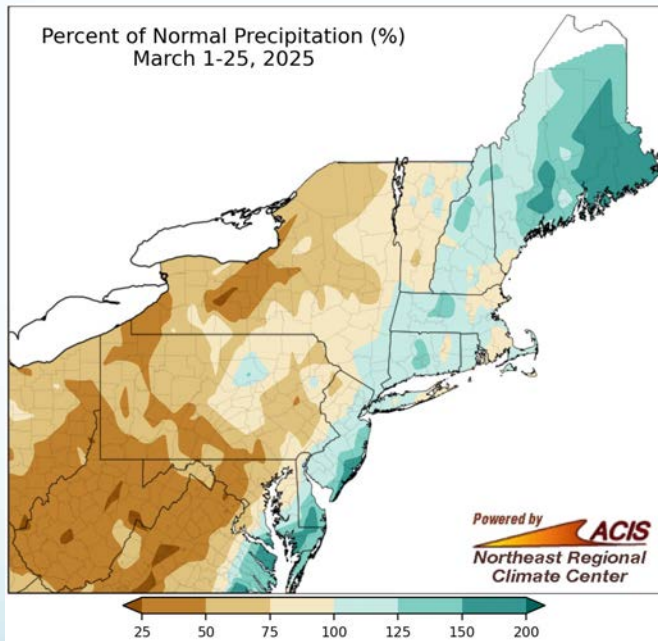




# Summary

## March-to-date conditions:

- Above-normal temperatures for most
- Below-normal precipitation for most – wet for some coastal areas
- Below-normal snowfall for most



## Drought:

- Trimming in some areas, especially wetter locations near the coast
- Deterioration in some interior and southern areas that have missed out
- Below-normal or lower streamflow and/or groundwater levels observed

## Outlooks:

- Short term precip: above-normal precipitation favored for all - possible improvement or pause in deterioration?
- April and April-June: equal chances category for precipitation; above-normal temperatures favored for most



# Contact Information

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

## Upcoming Webinars

- Tuesday, April 29 at 9:30am EDT
  - USGS Climate Services Program
- Thursday, May 29 at 9:30am EDT
  - NOAA Fisheries' Ecosystems Initiative (invited)
- Thursday, June 26 at 9:30am EDT
  - Heat Outlook and Heat.gov Overview



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