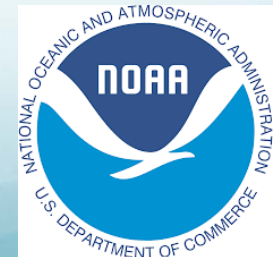


# February Recap & Northeast DEWS Discussion

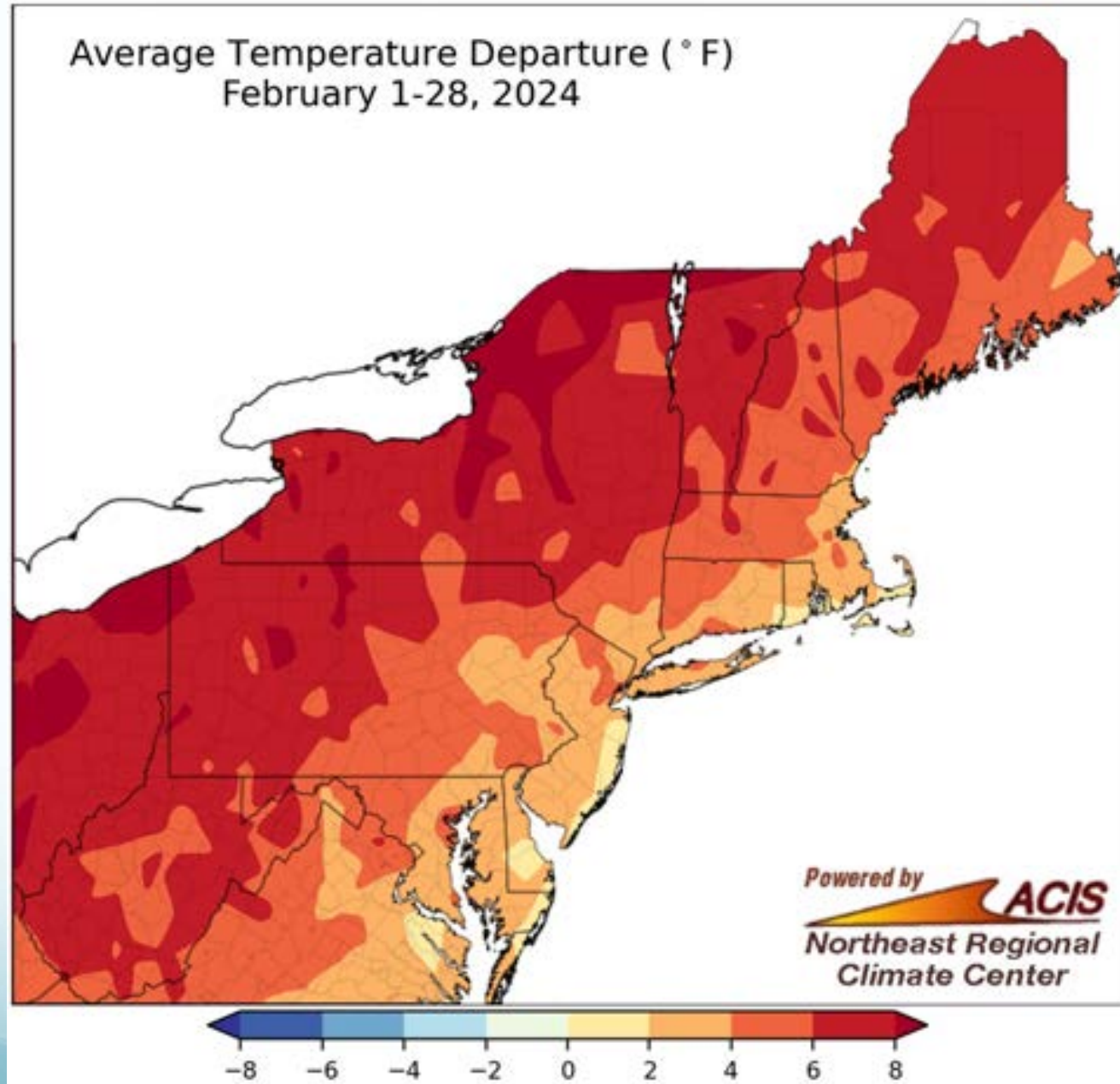
By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center



Northeast Regional  
Climate Center



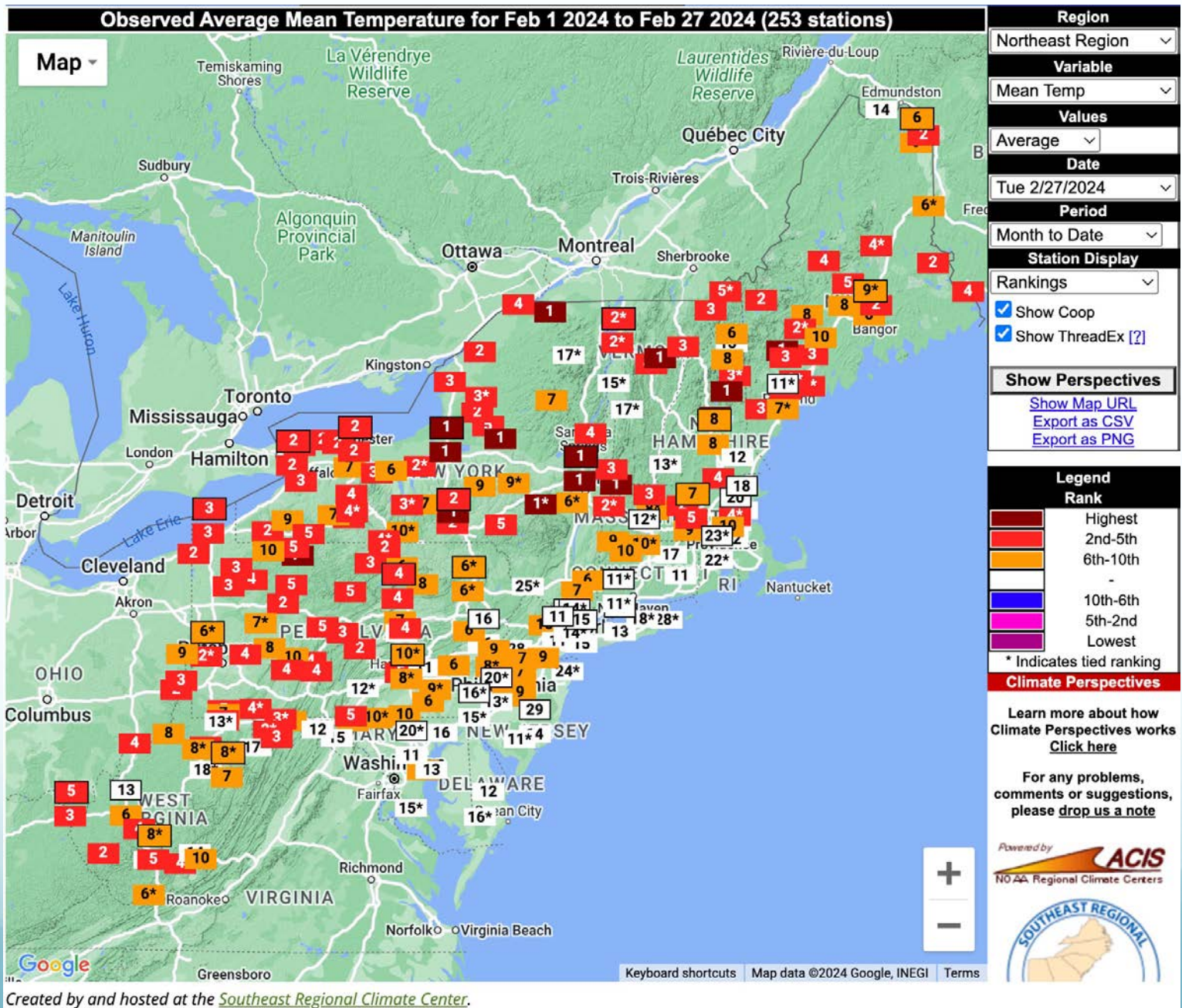
# February Temperatures



From near normal to more than 8°F above normal

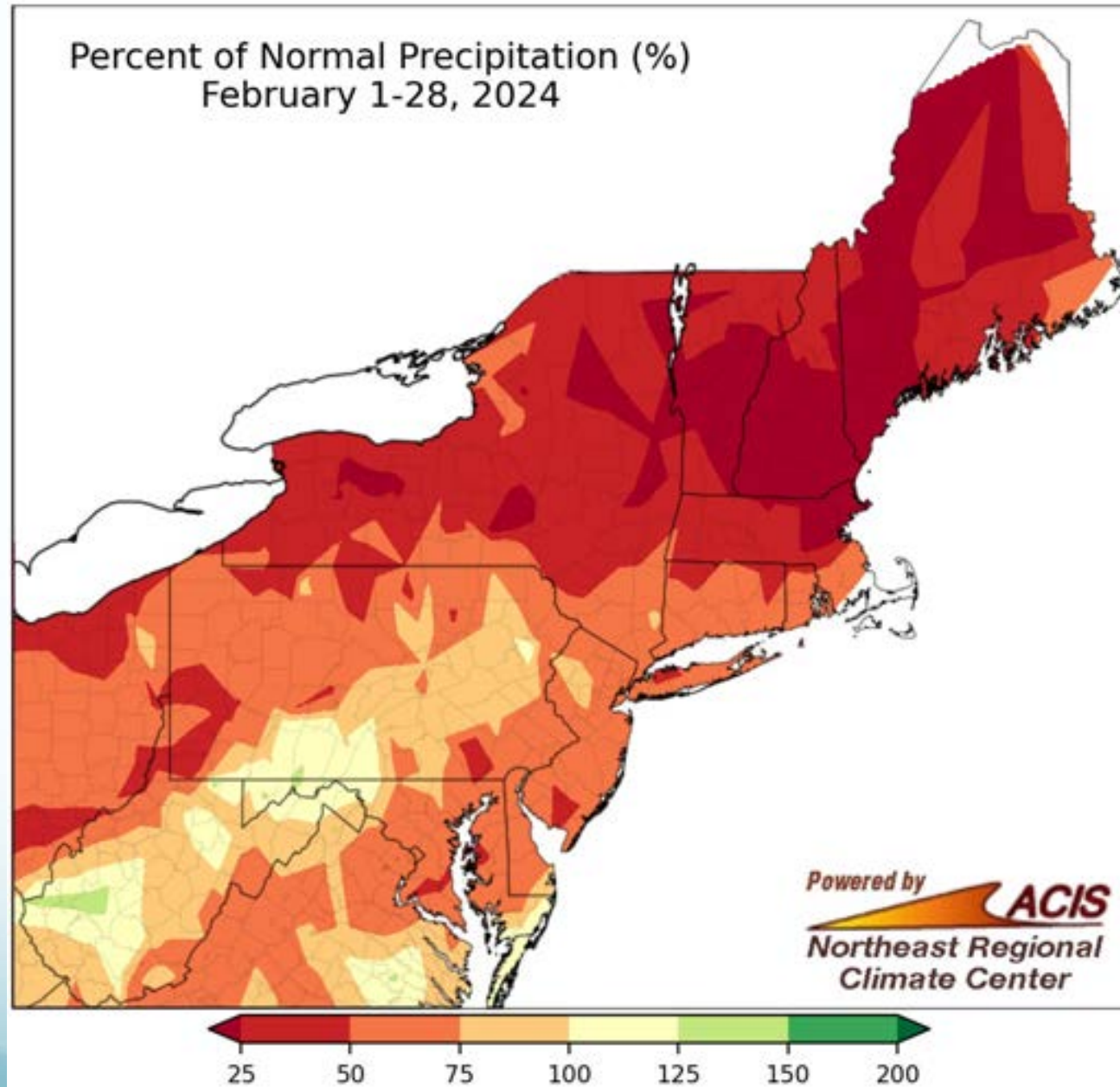


# February Temperatures





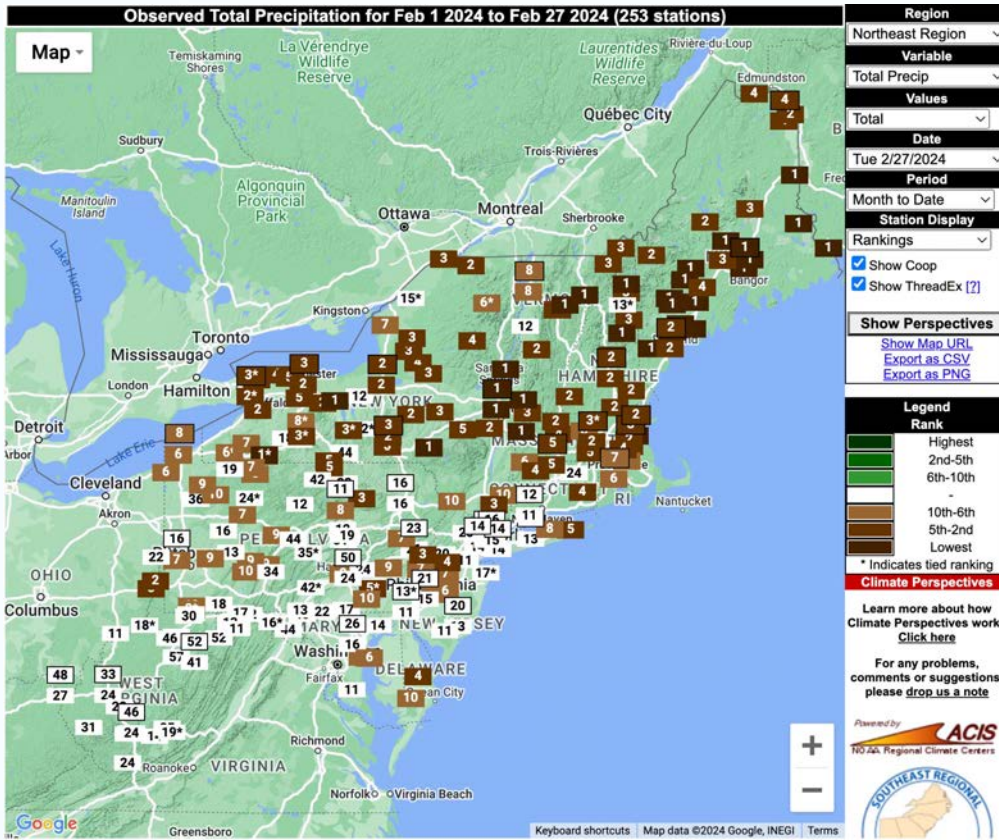
# February Precipitation



From less than 25% of normal to 150% of normal

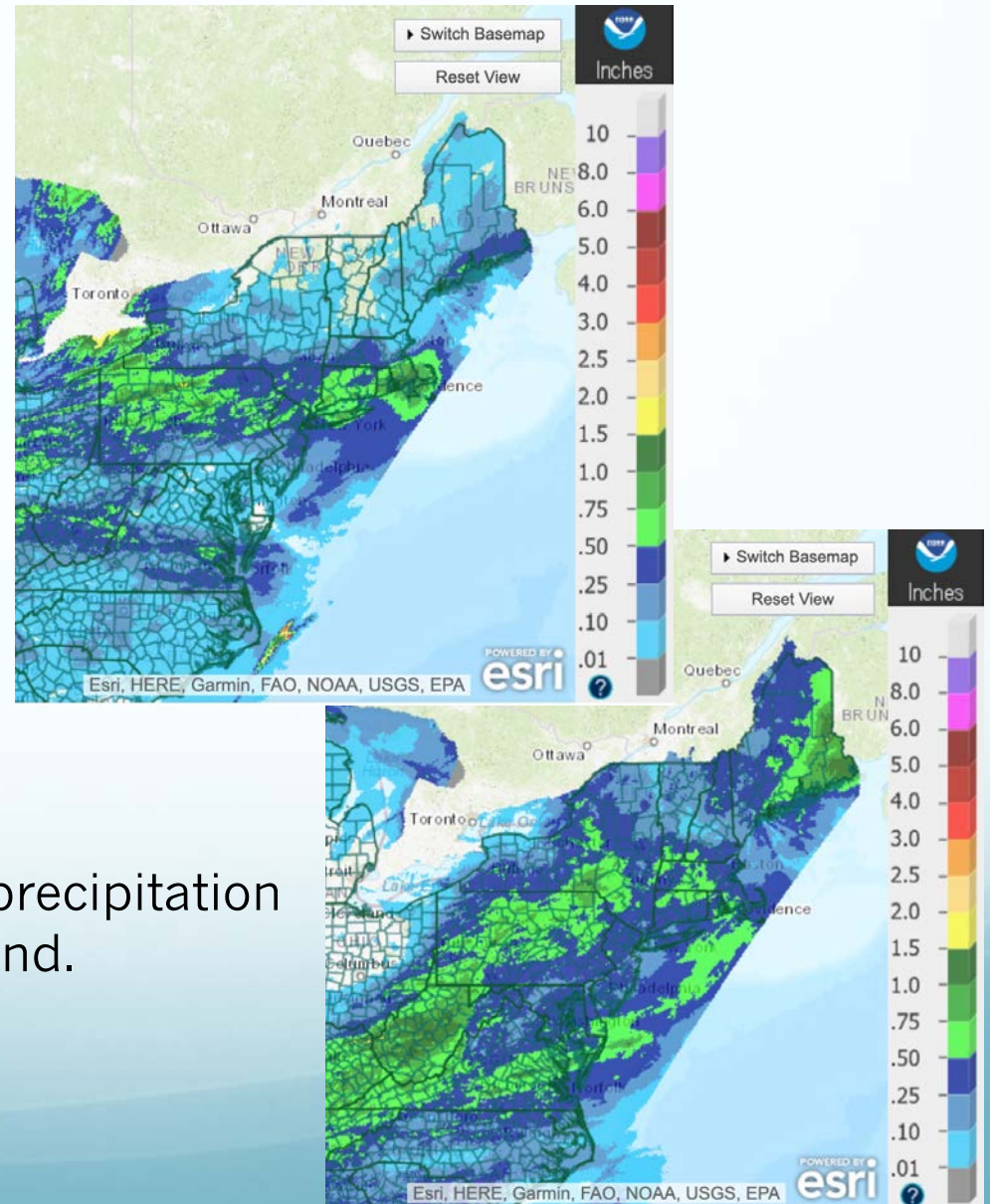


# February Precipitation



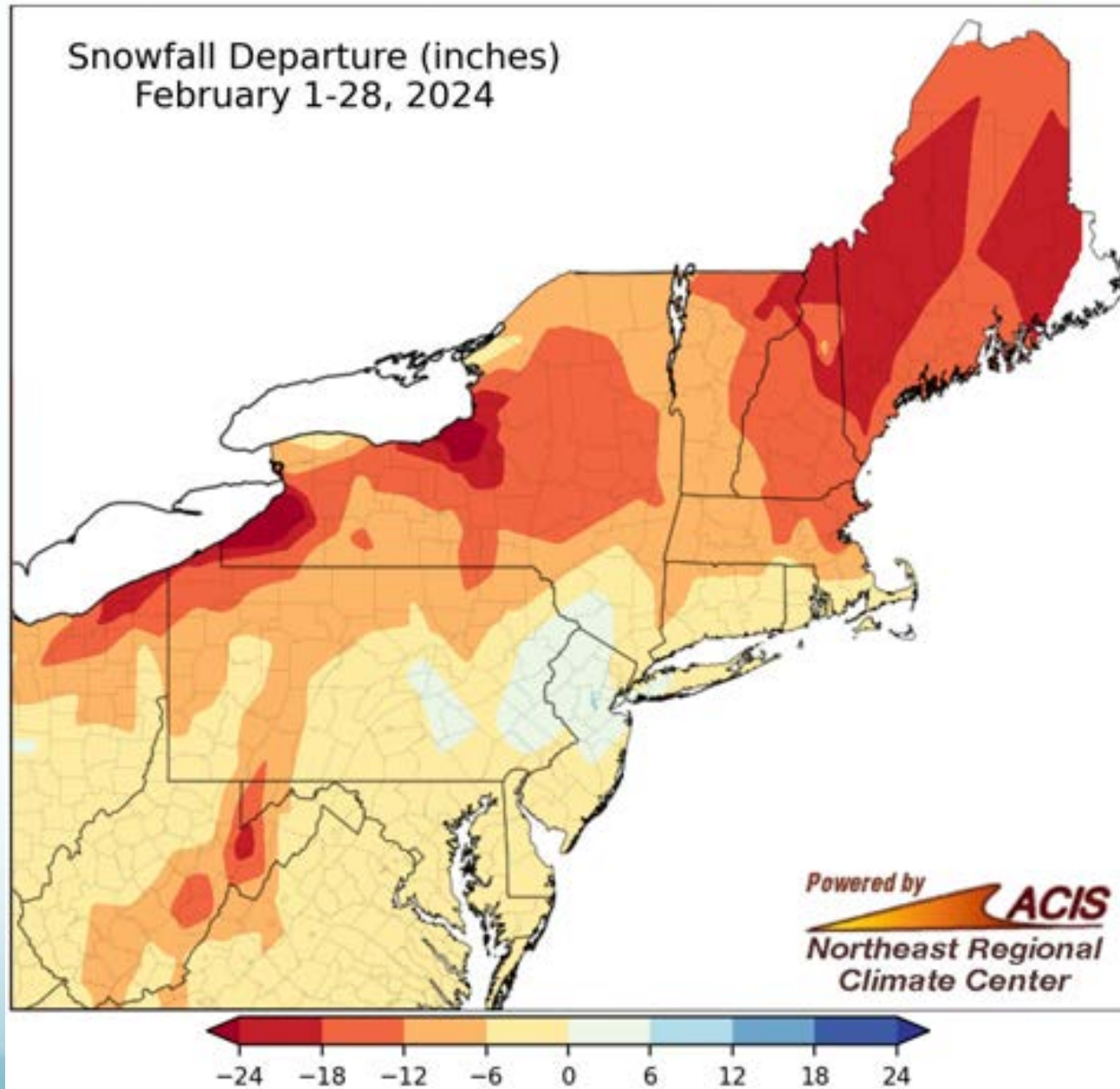
Record or near-record dry for most of the month, but...

some much-needed precipitation at month's end.





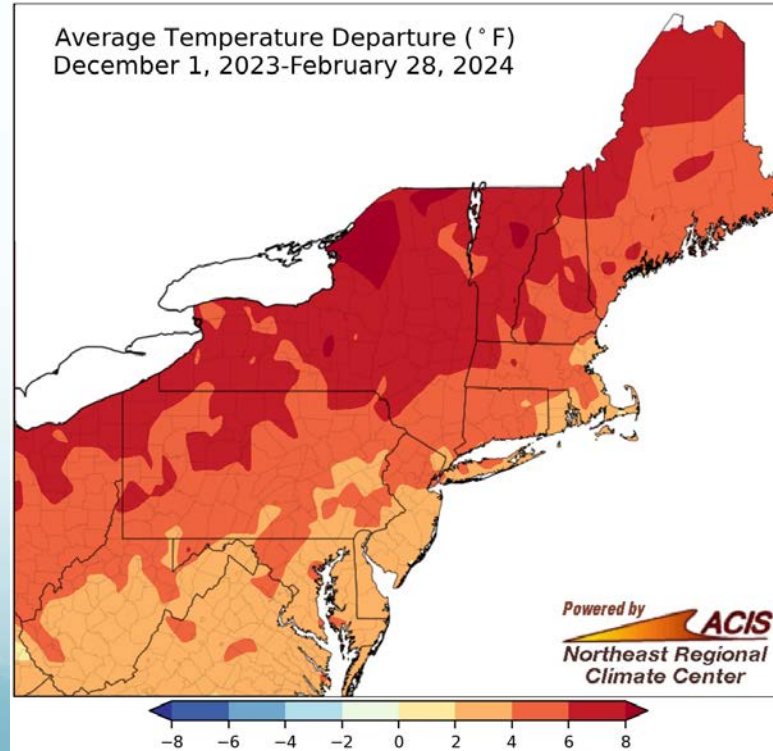
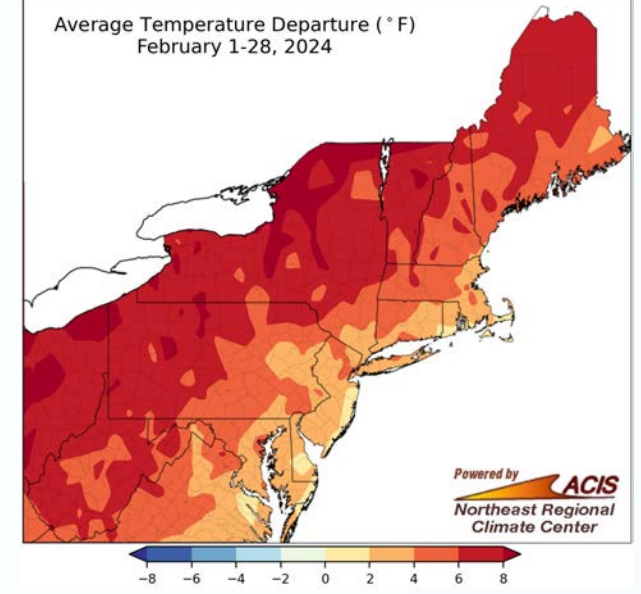
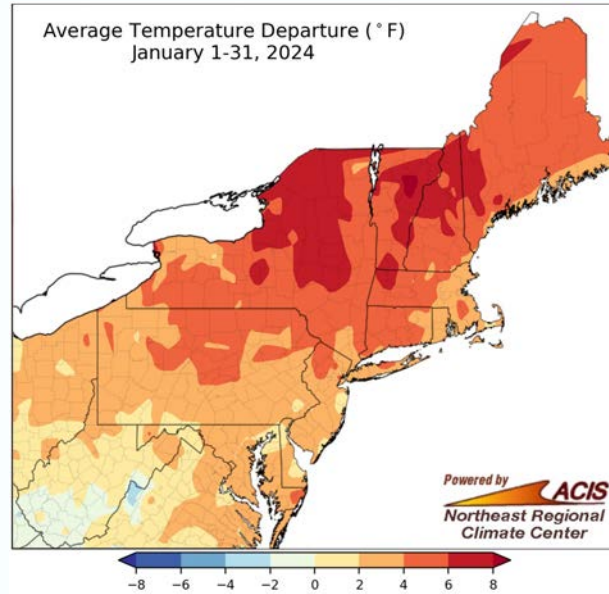
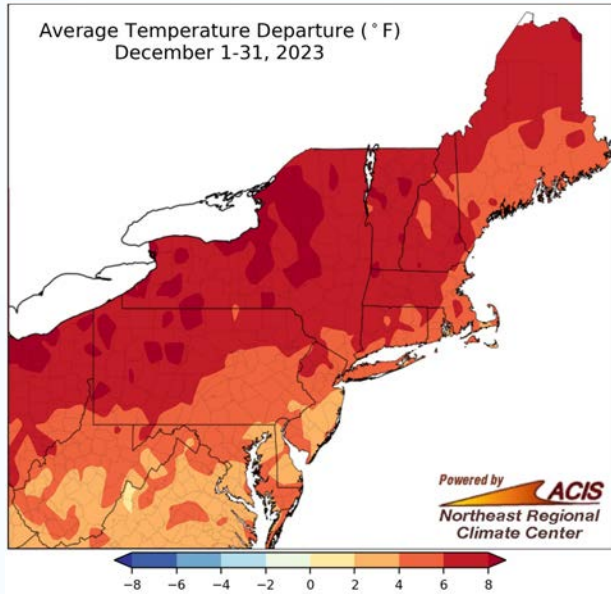
# February Snowfall



From more than 24" below normal to 6" above normal



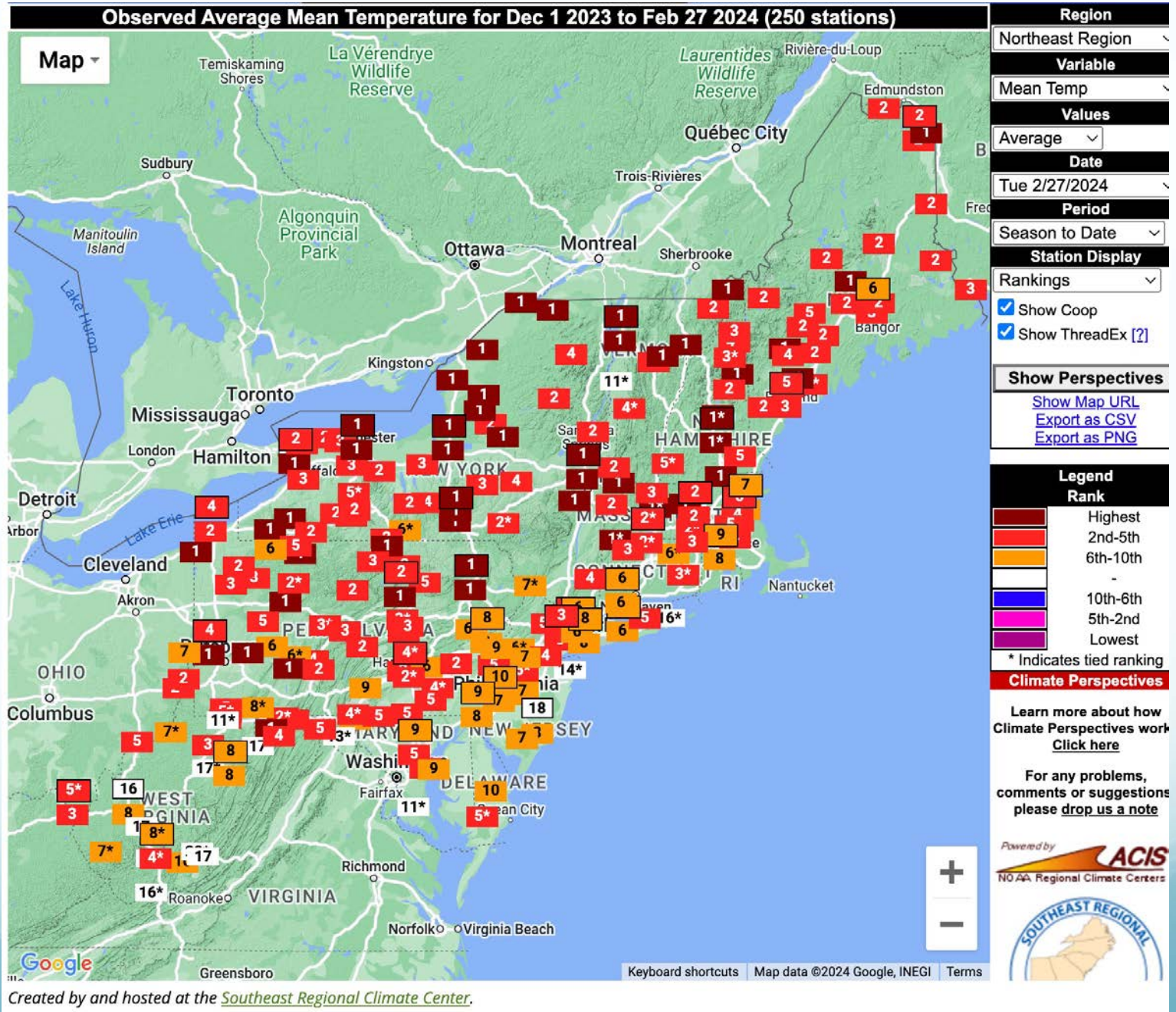
# Winter Temperatures



From 2°F to more than  
8°F above normal

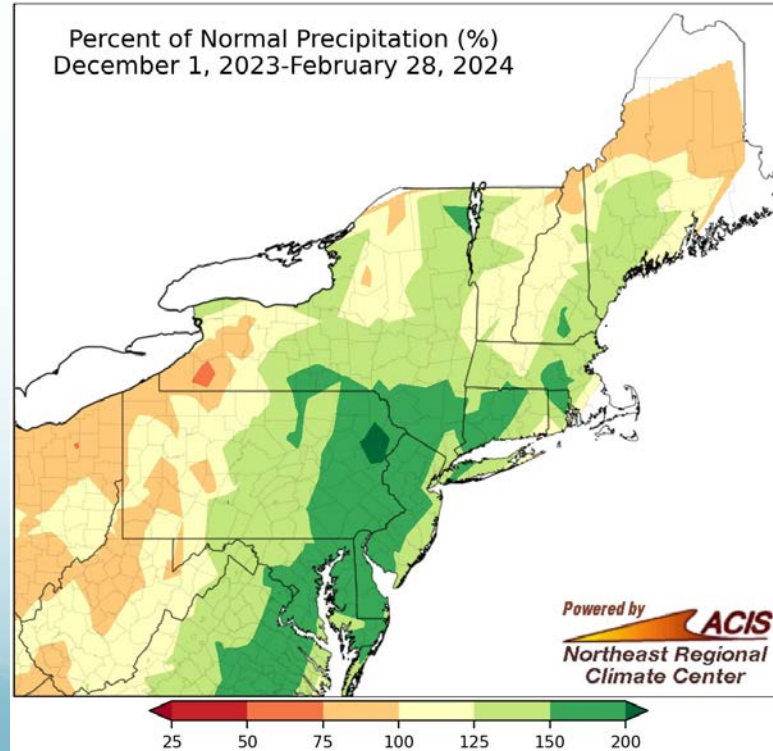
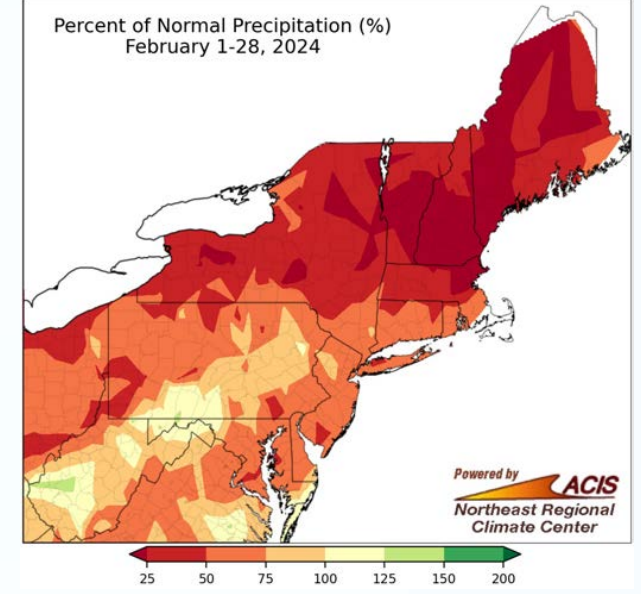
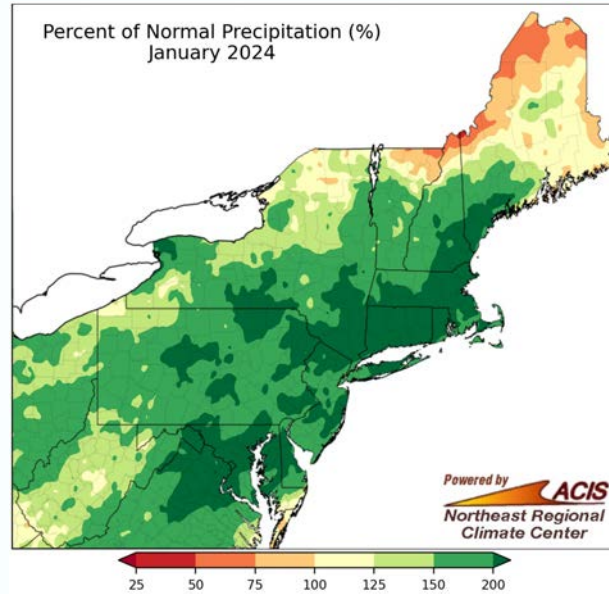
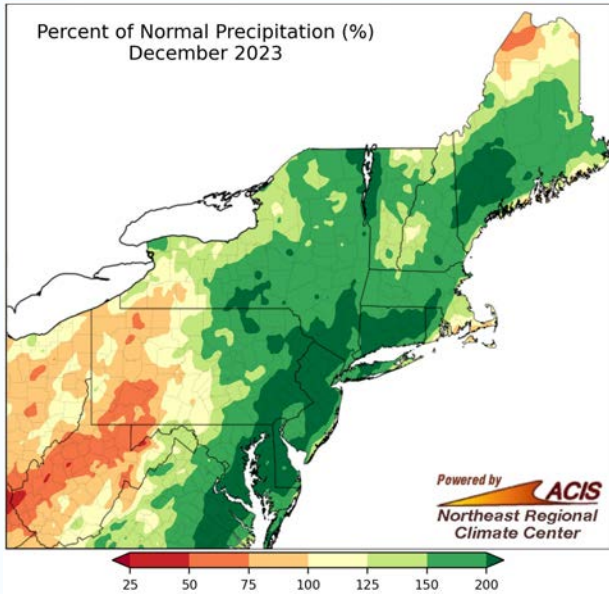


# Winter Temperatures



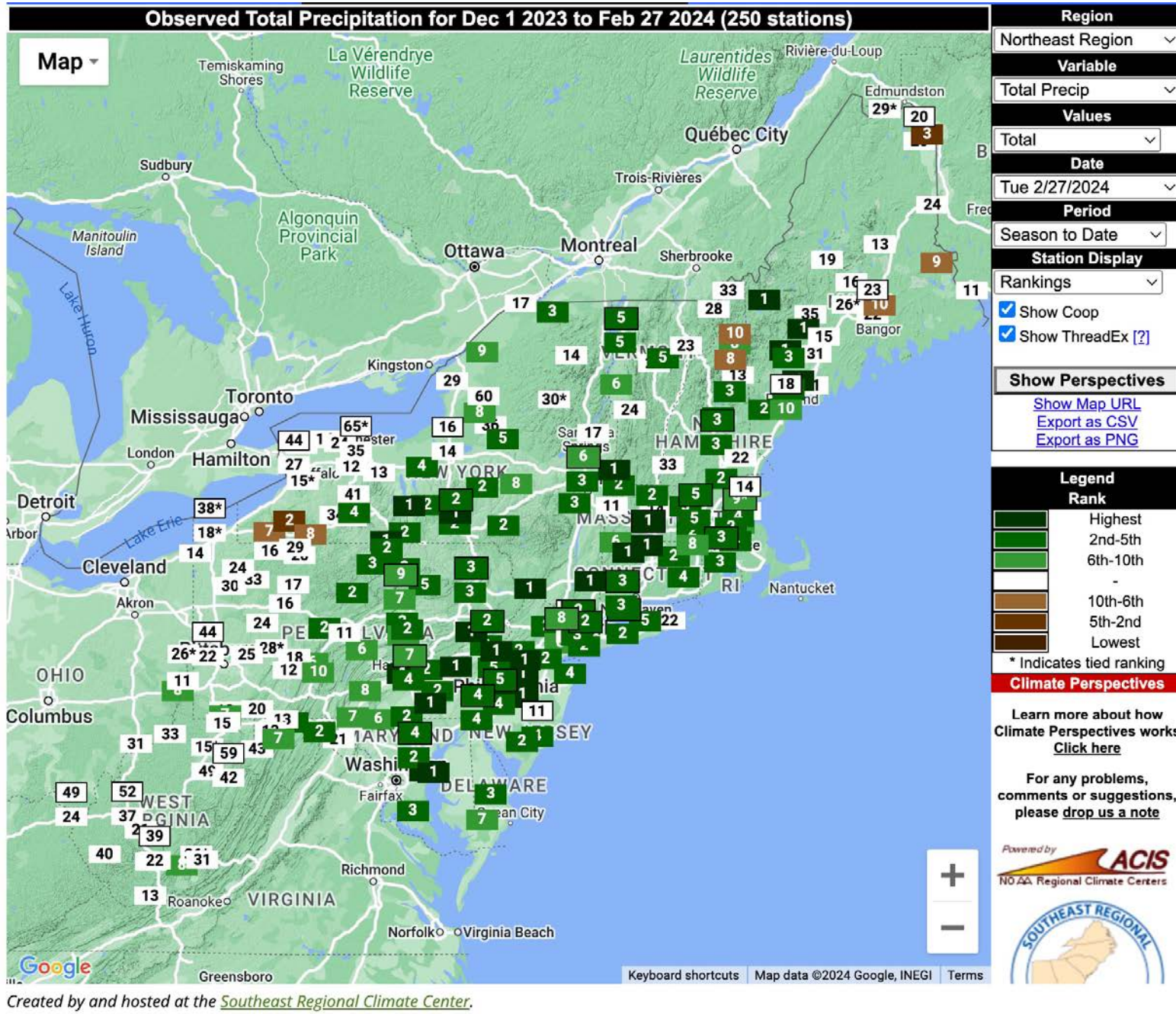


# Winter Precipitation



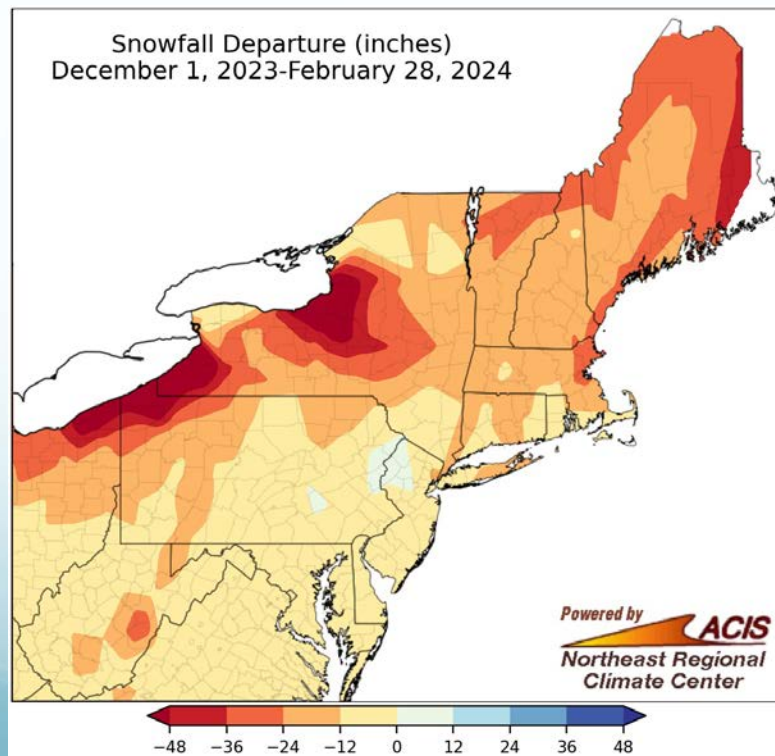
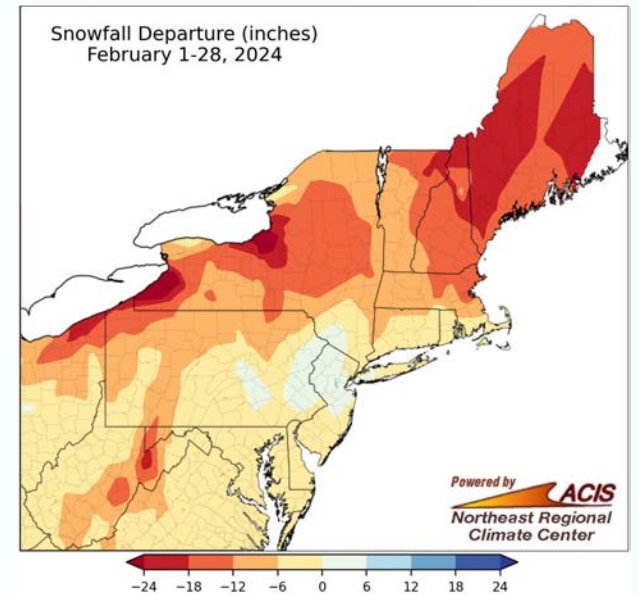
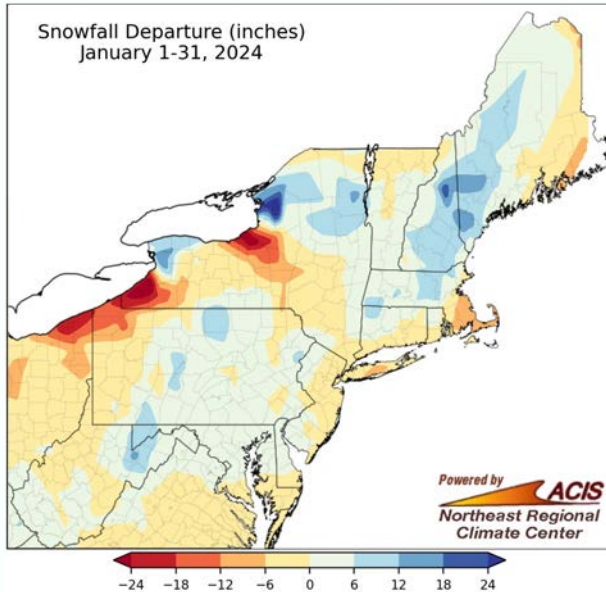
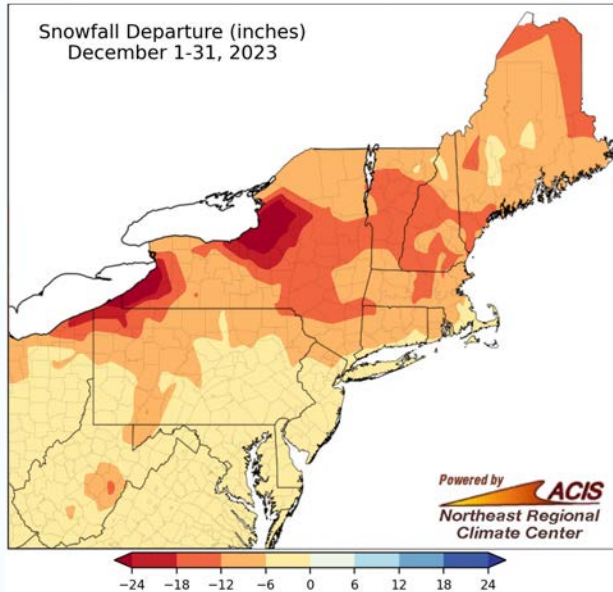
From 75% of normal to  
200% of normal

# Winter Precipitation



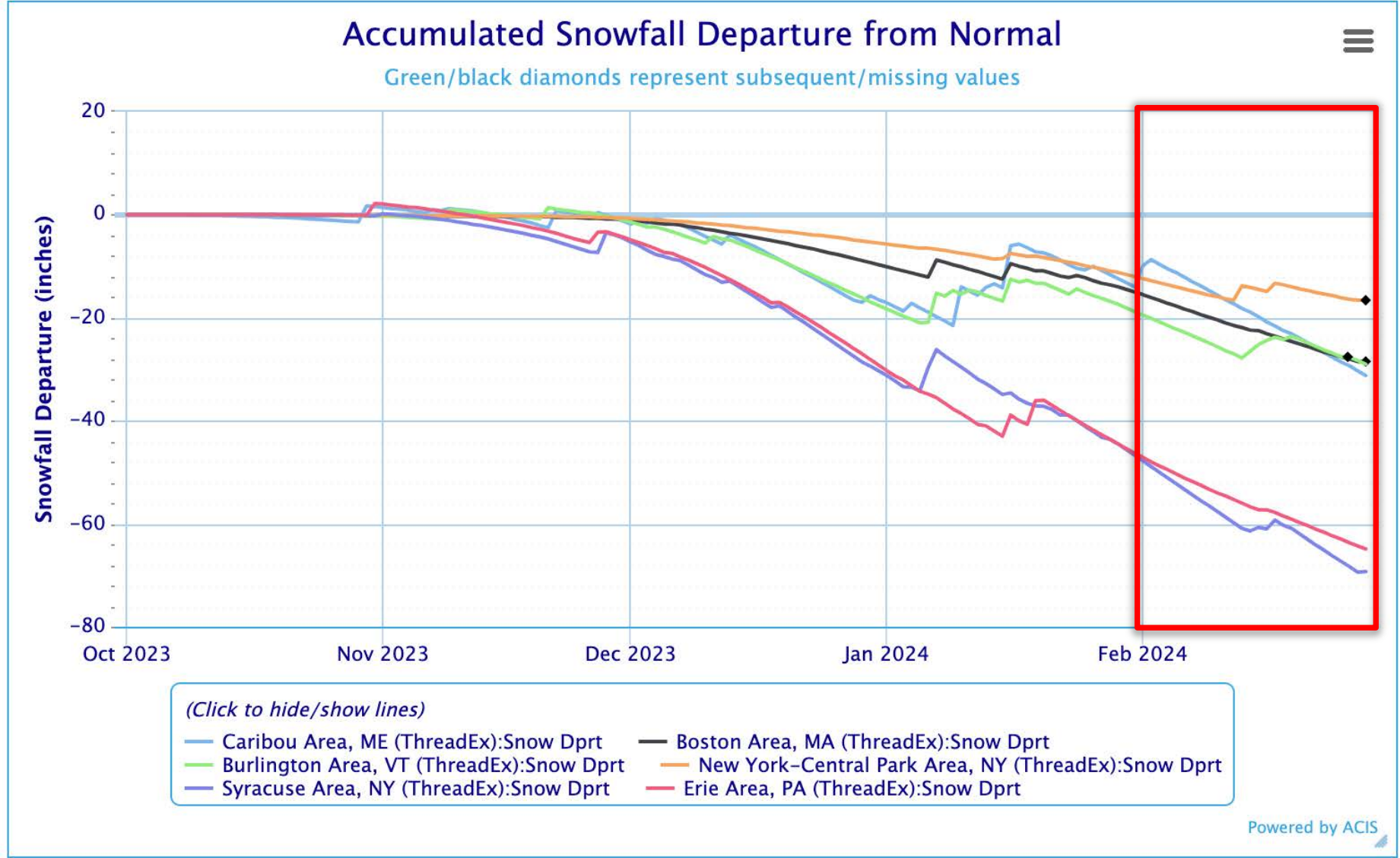


# Winter Snowfall



From more than 48” below normal to 12” above normal – note different scale for winter map!

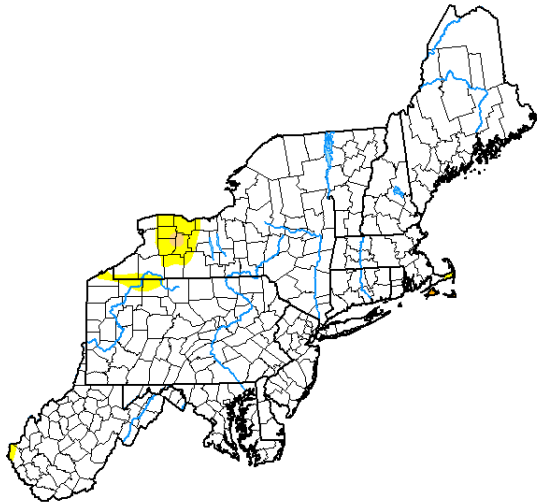
# Snowfall





# Drought Monitor

## U.S. Drought Monitor Northeast



**January 30, 2024**  
(Released Thursday, Feb. 1, 2024)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	96.89	2.85	0.19	0.07	0.00	0.00
<b>Last Week</b> 01-23-2024	94.62	3.95	1.37	0.07	0.00	0.00
<b>3 Months Ago</b> 10-31-2023	82.70	15.28	1.75	0.27	0.00	0.00
<b>Start of Calendar Year</b> 01-02-2024	87.20	10.30	1.83	0.67	0.00	0.00
<b>Start of Water Year</b> 09-26-2023	88.48	10.08	1.36	0.08	0.00	0.00
<b>One Year Ago</b> 01-31-2023	96.83	2.97	0.21	0.00	0.00	0.00

**Intensity:**

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

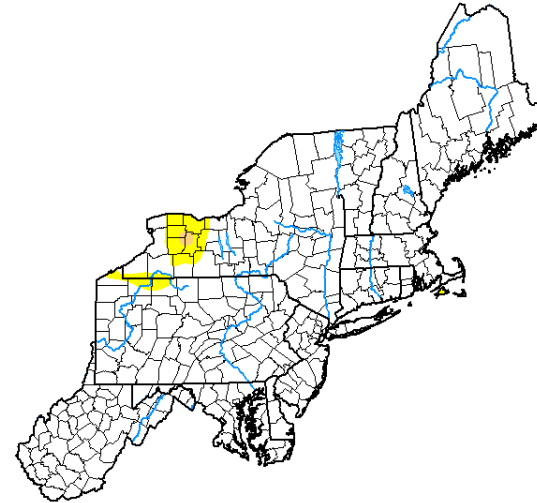
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

**Author:**  
Brian Fuchs  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

## U.S. Drought Monitor Northeast



**February 27, 2024**  
(Released Thursday, Feb. 29, 2024)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	97.07	2.72	0.21	0.00	0.00	0.00
<b>Last Week</b> 02-20-2024	97.07	2.72	0.21	0.00	0.00	0.00
<b>3 Months Ago</b> 11-28-2023	74.36	19.18	5.76	0.71	0.00	0.00
<b>Start of Calendar Year</b> 01-02-2024	87.20	10.30	1.83	0.67	0.00	0.00
<b>Start of Water Year</b> 09-26-2023	88.48	10.08	1.36	0.08	0.00	0.00
<b>One Year Ago</b> 02-28-2023	94.27	5.73	0.00	0.00	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>

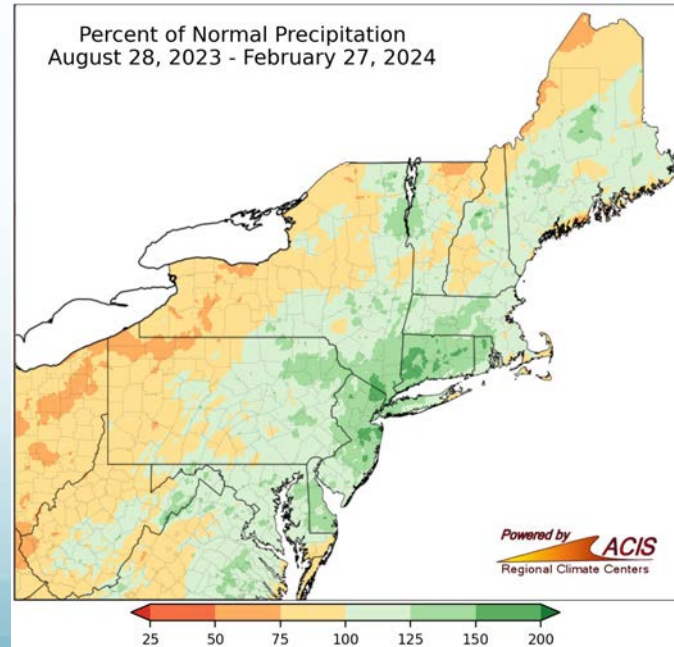
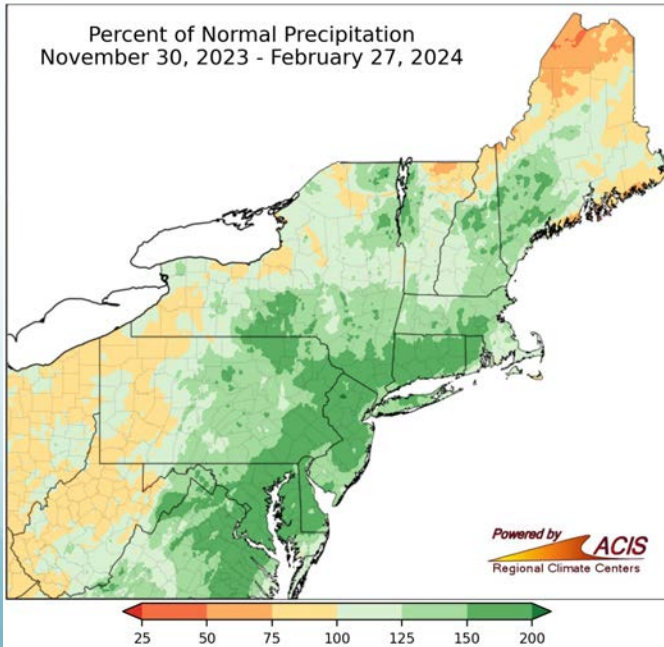
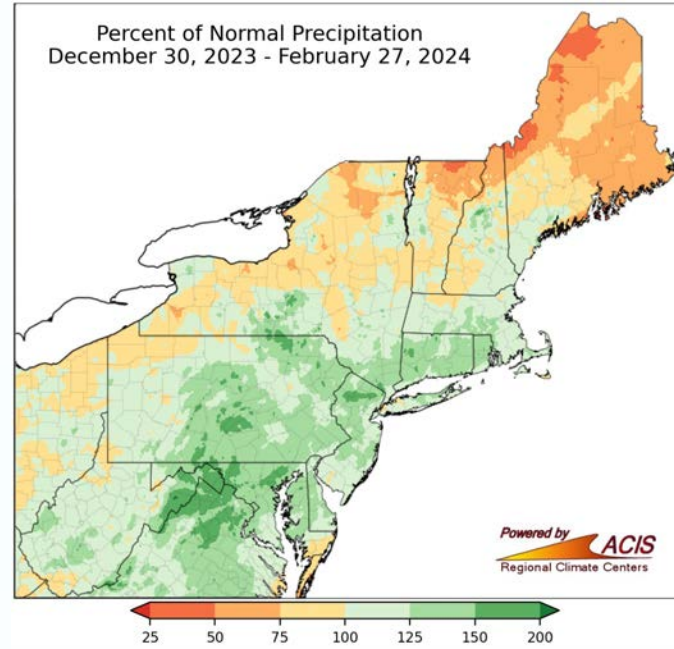
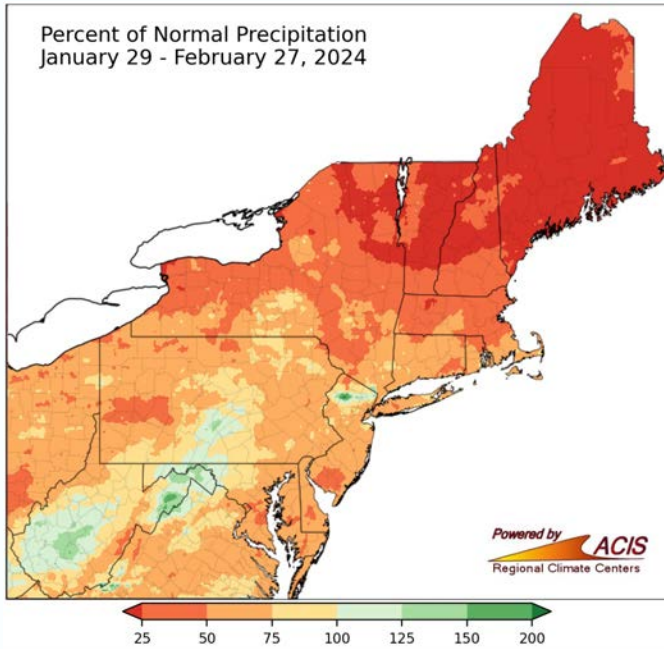
**Author:**  
Richard Heim  
NCEI/NOAA



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

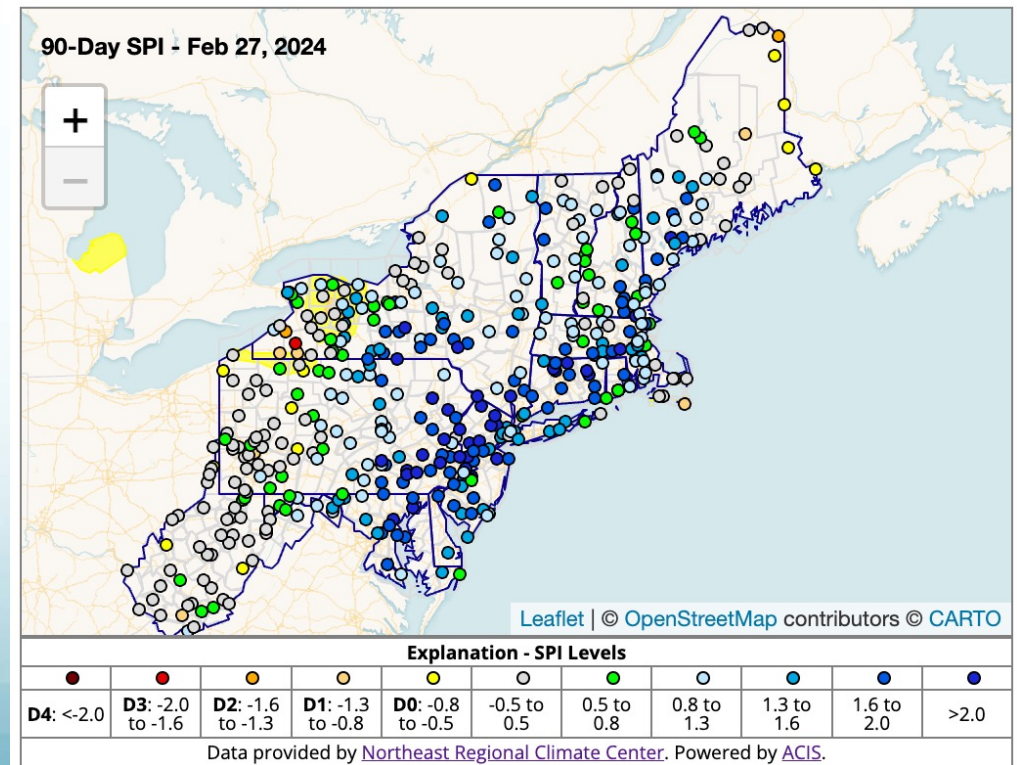
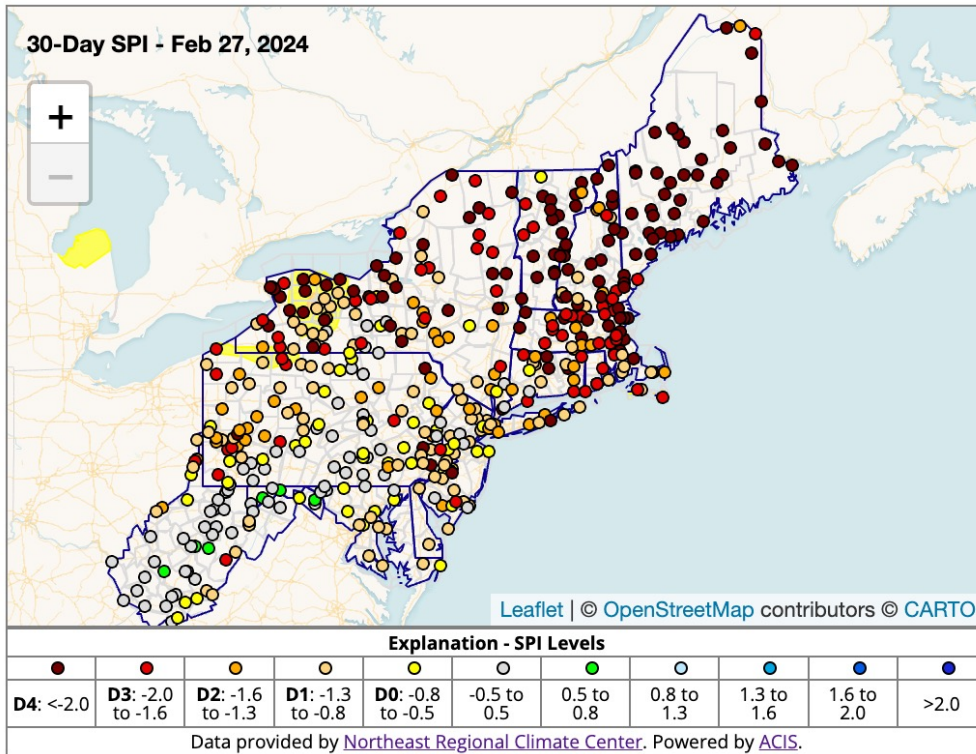


# Precipitation

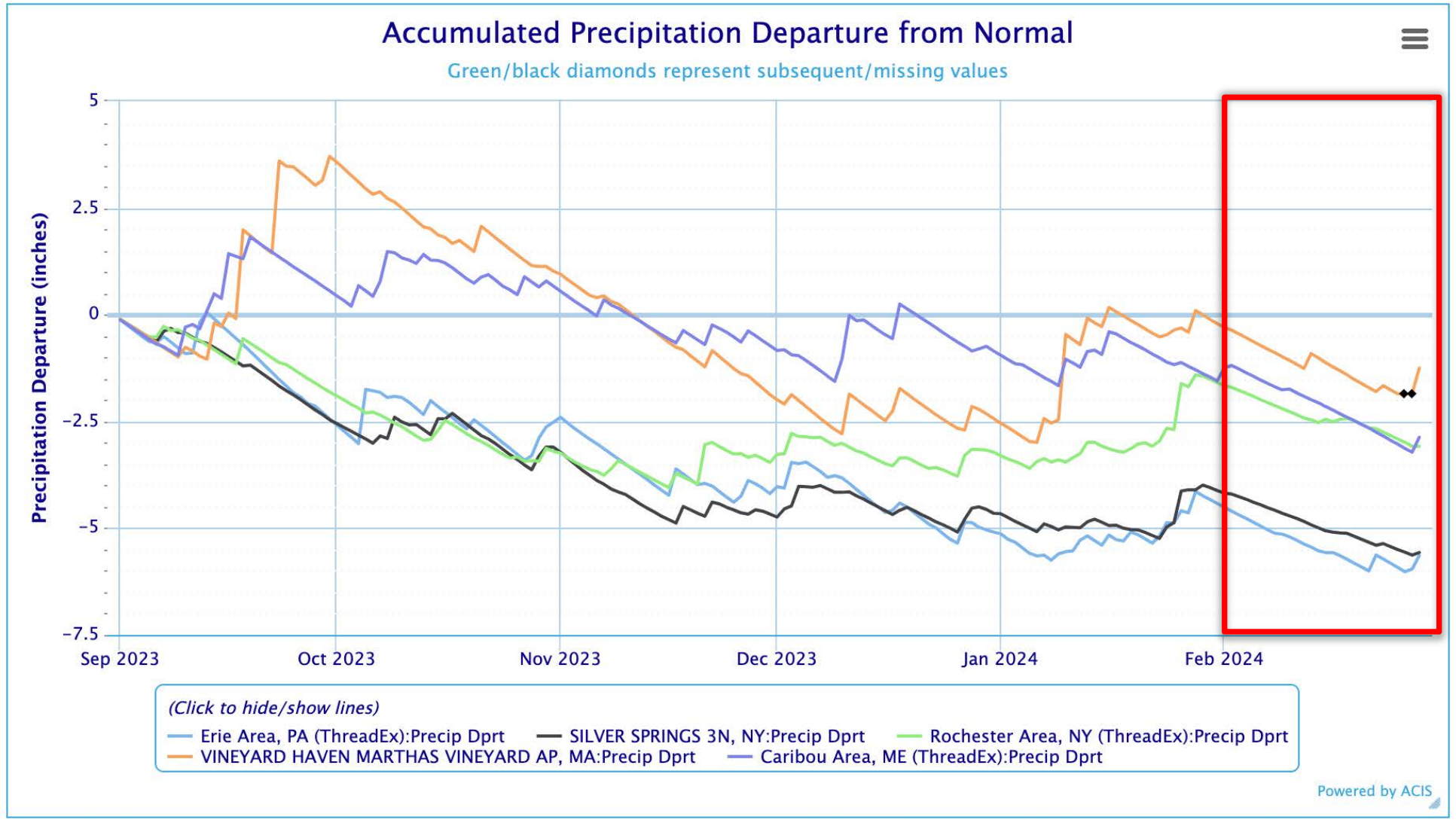




# Standardized Precipitation Index



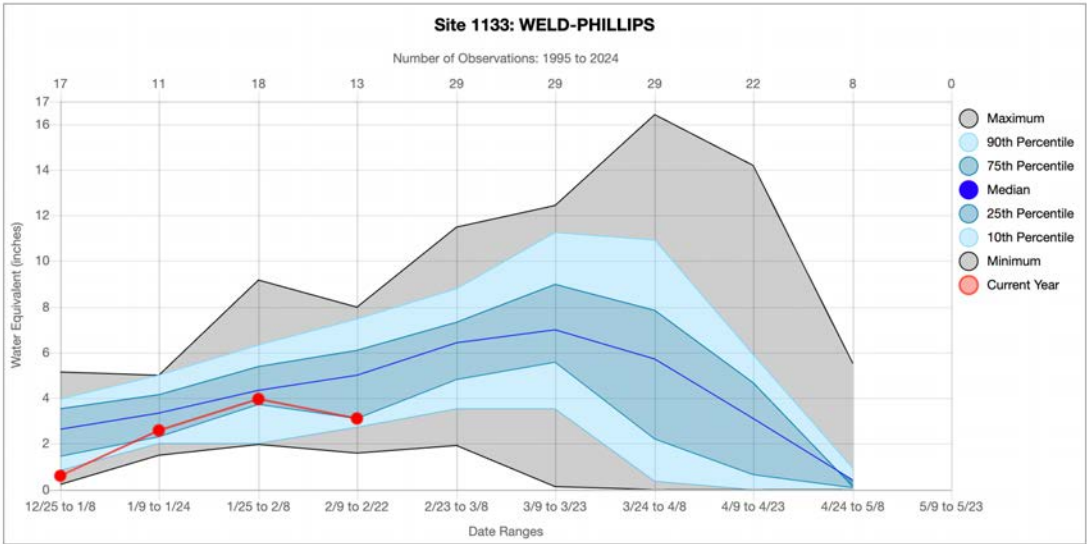
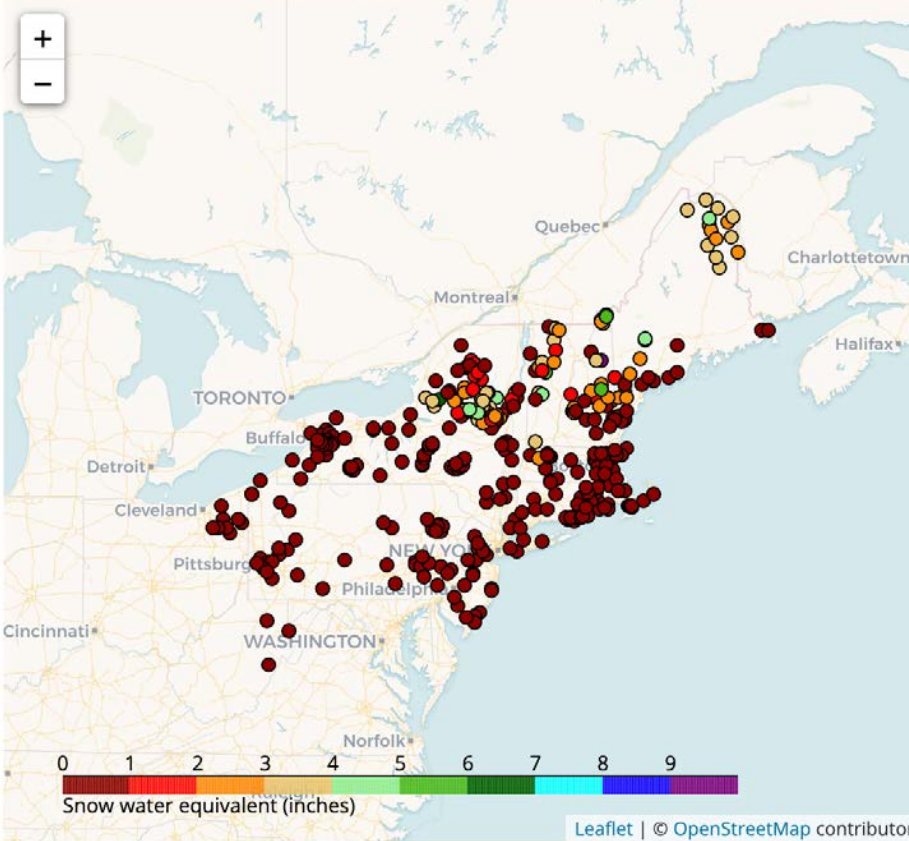
# Precipitation



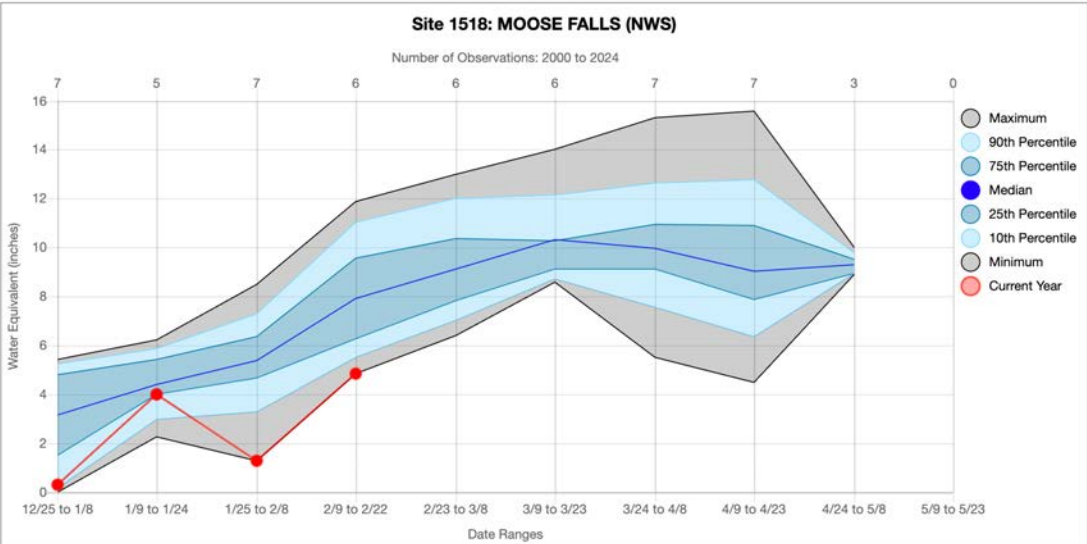


# SWE

## Snow Water Equivalent for February 25-28, 2024



Updated: February 14, 2024



Updated: February 14, 2024

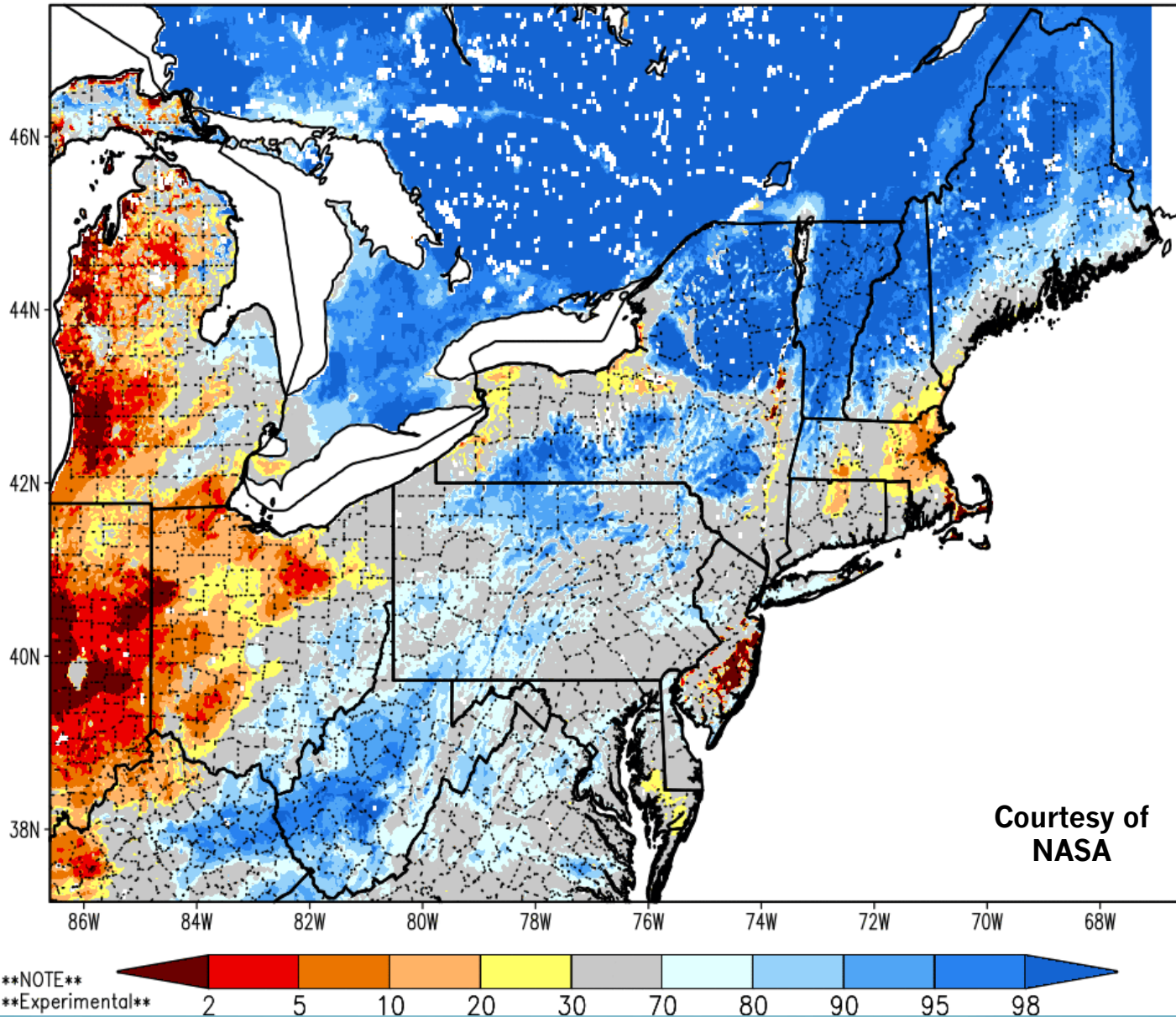
Note different dates for map and graphs!



Graphs courtesy of Maine Geological Survey

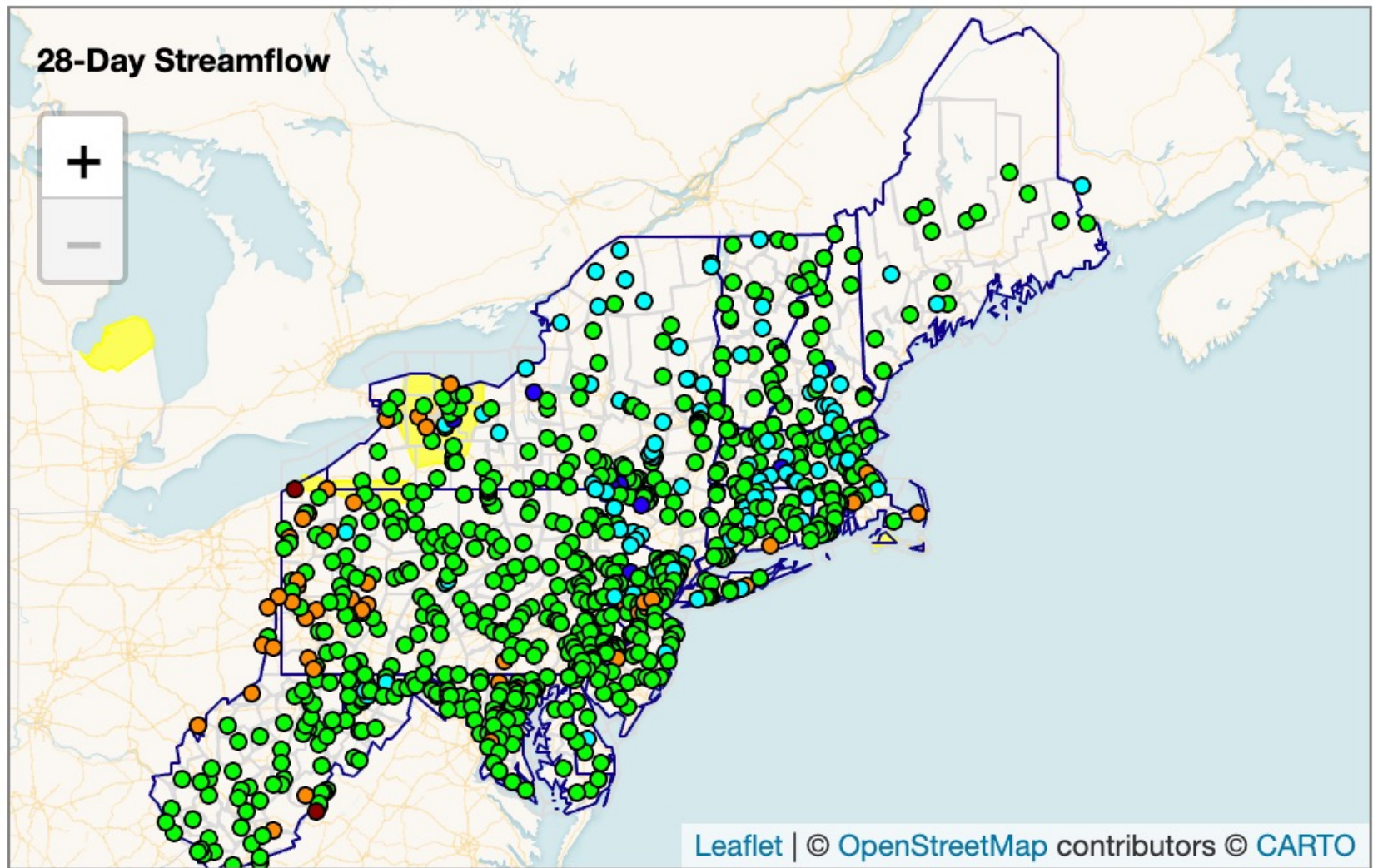
# Soil Moisture

SPoRT-LIS 0-100 cm Soil Moisture percentile valid 29 Feb 2024





# Streamflow



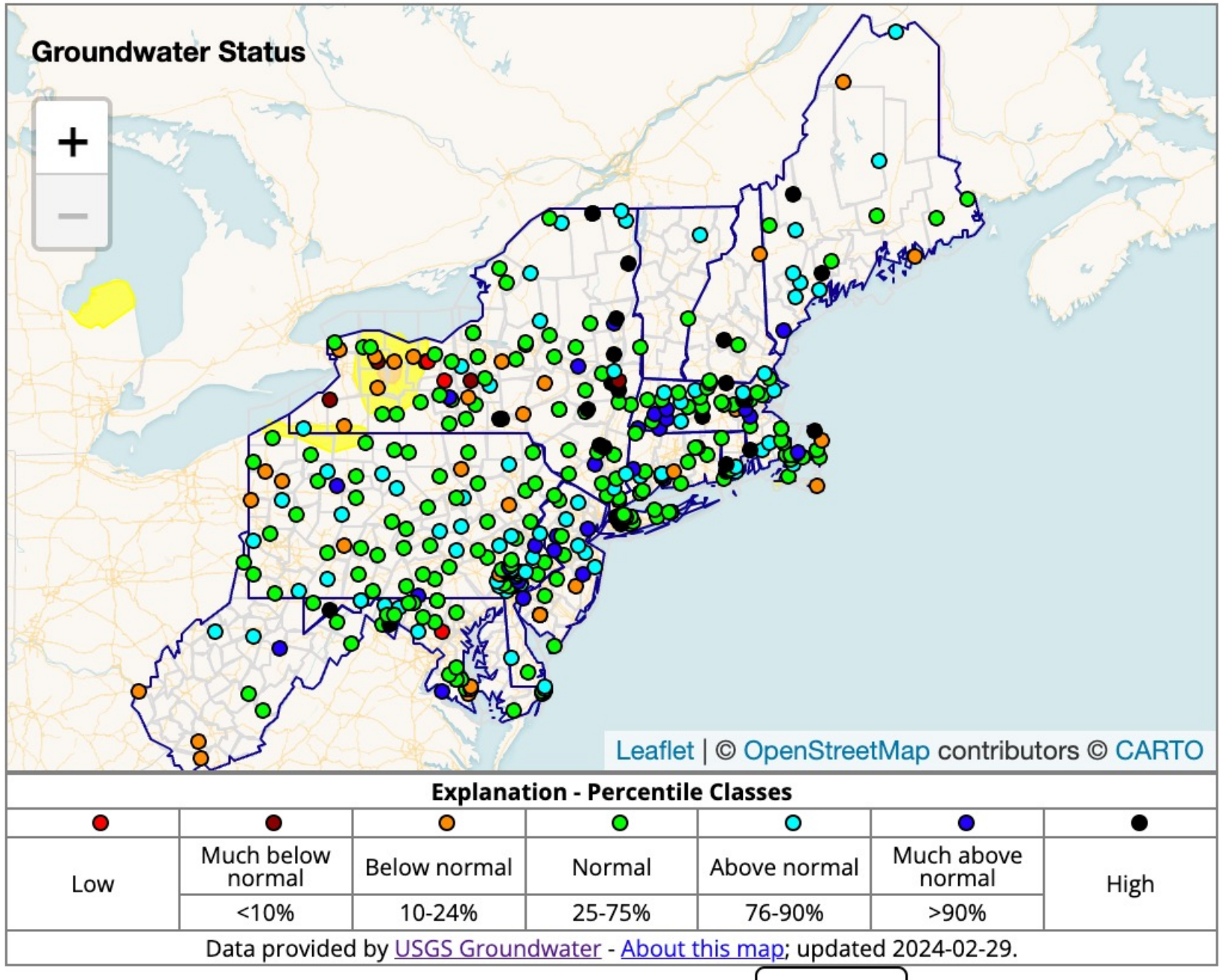
## Explanation - Percentile Classes

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 2024-02-28.

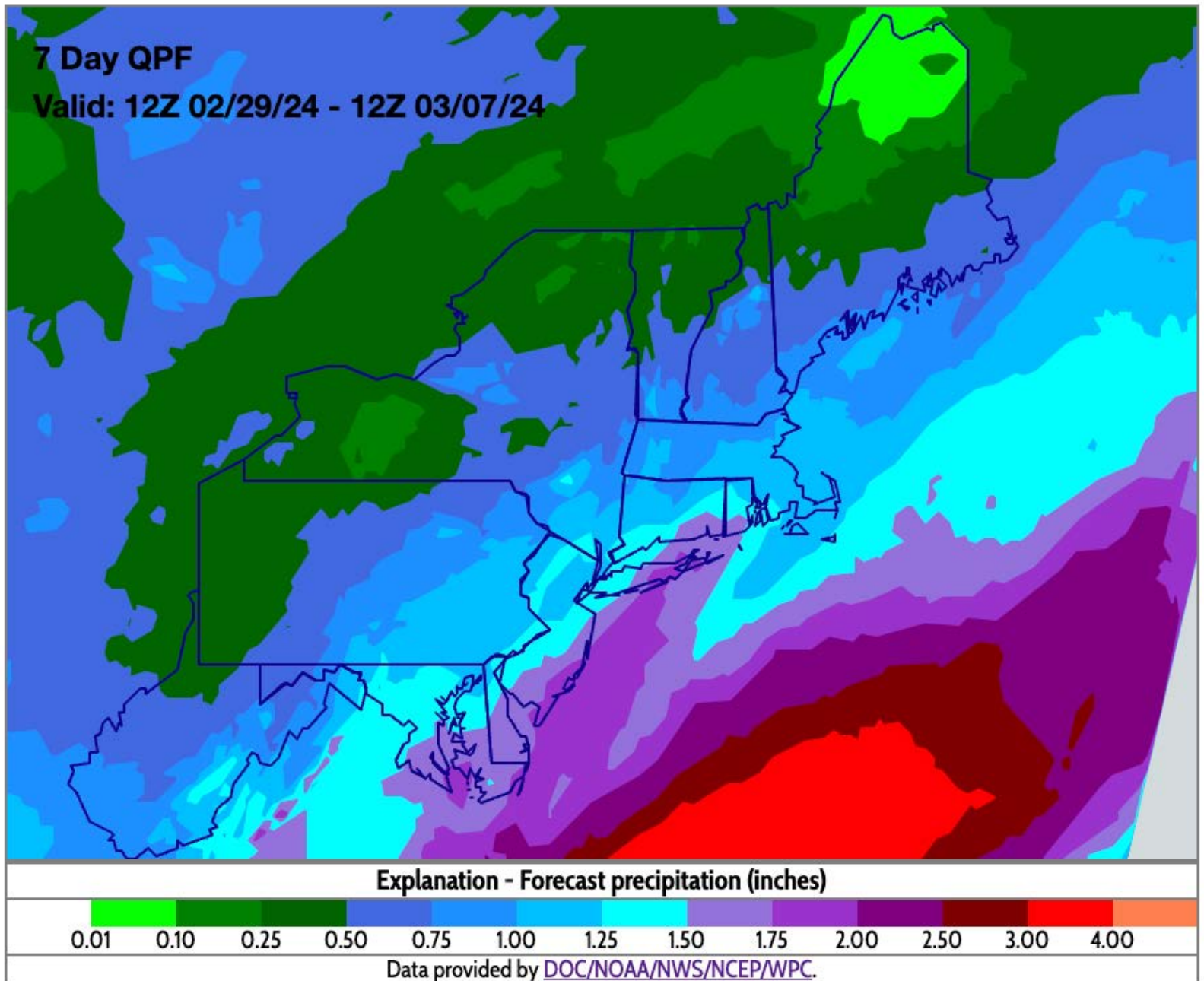


# Groundwater

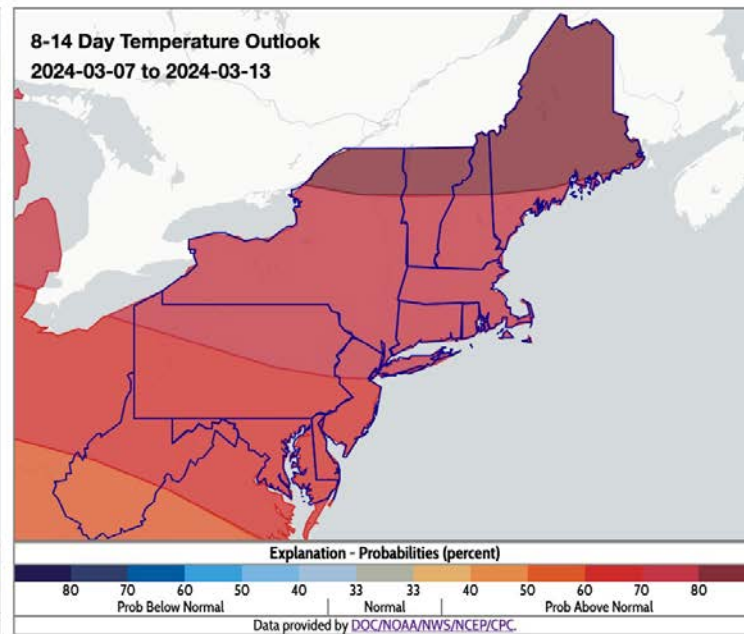
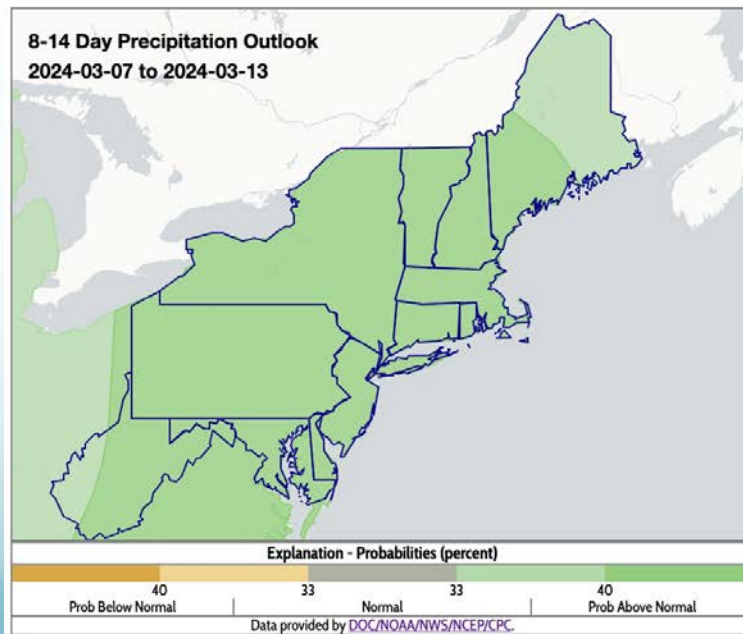
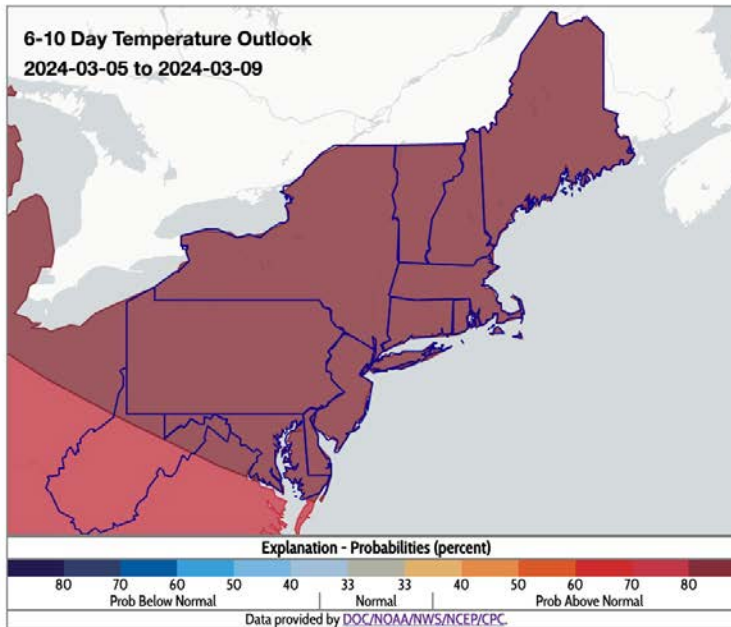
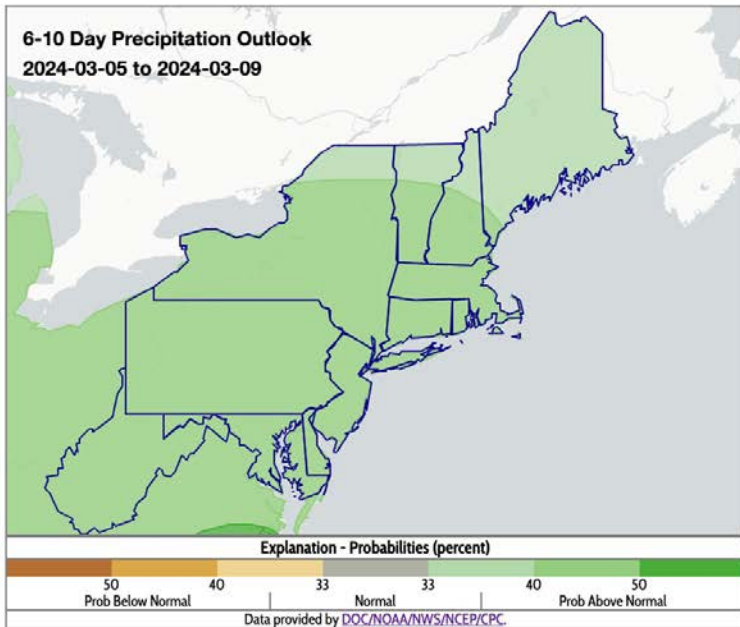




# Precipitation Forecast

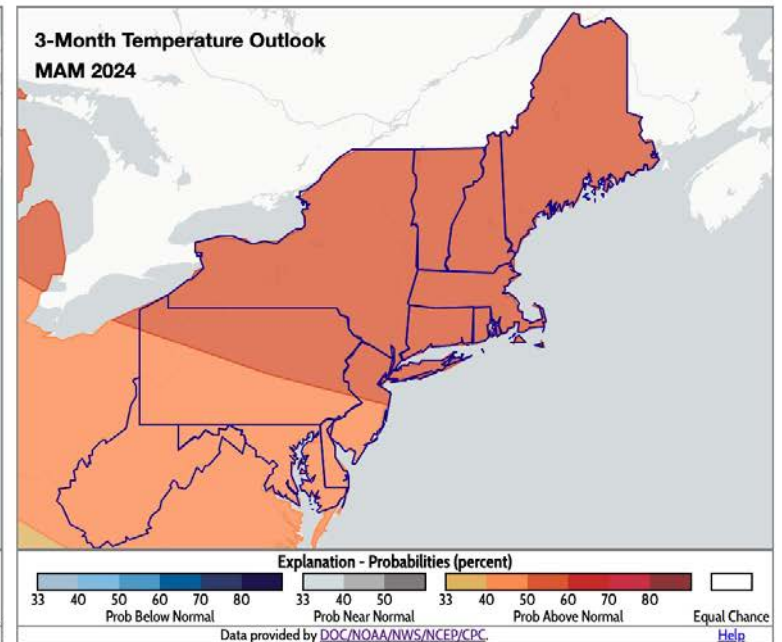
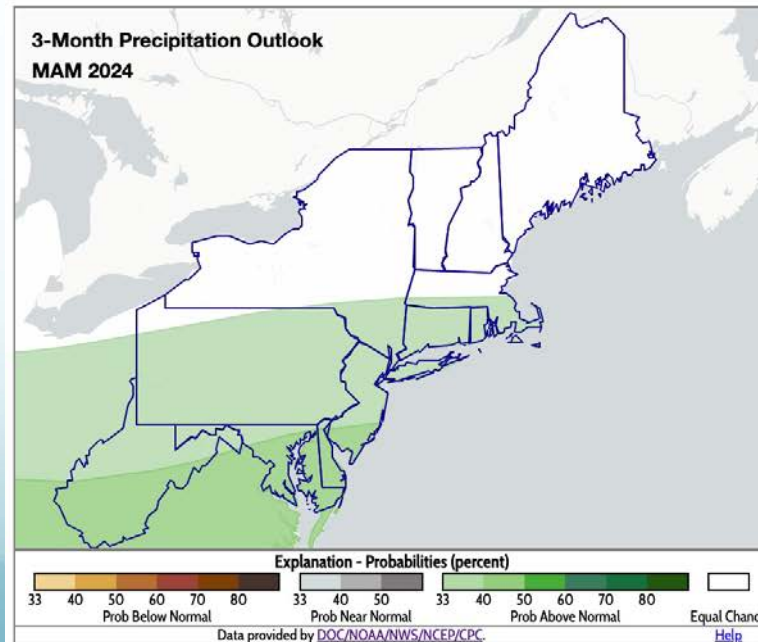
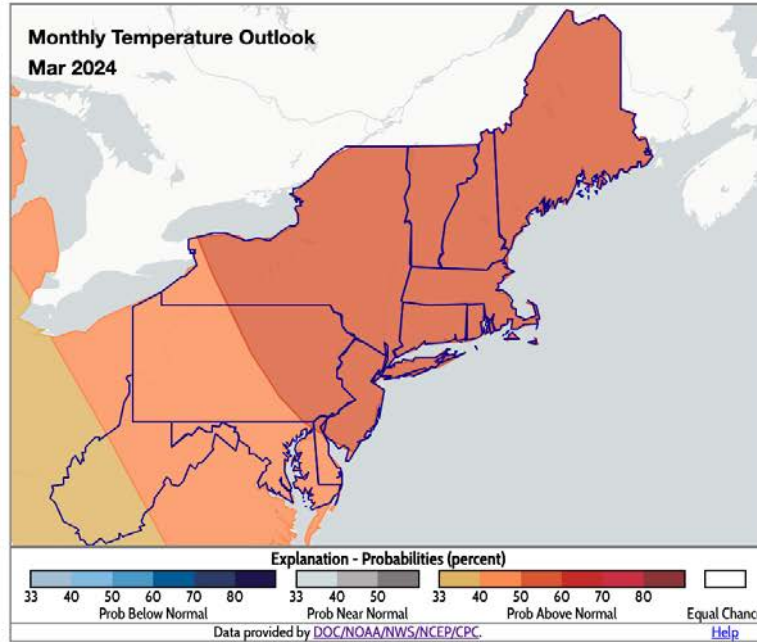
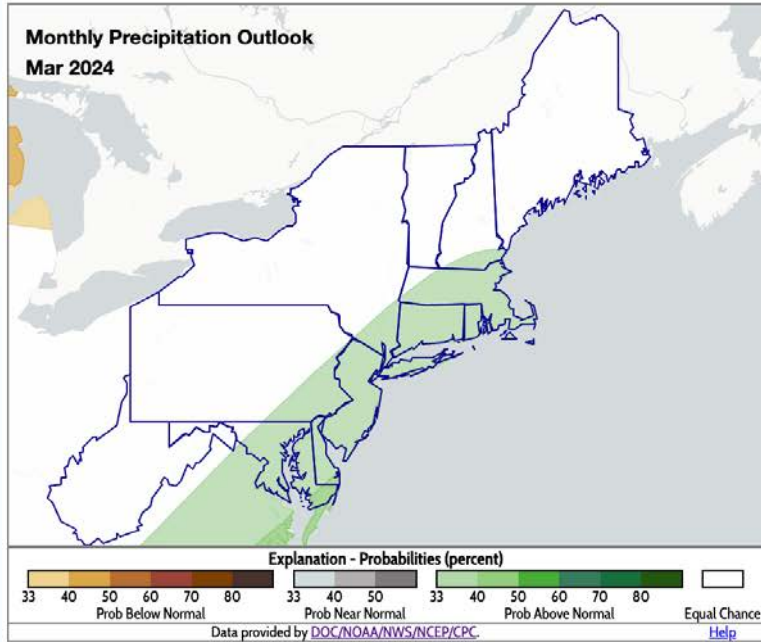


# Short-term Outlooks





# Monthly & 3-Month Outlooks



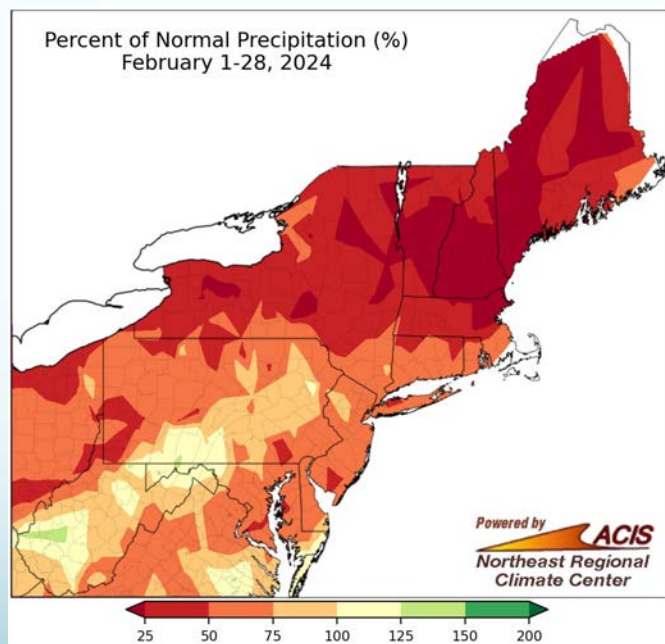
# Summary

## February-to-date conditions:

- Above-normal temperatures for the region
- Below-normal precipitation and snowfall for most areas

## Winter-to-date conditions:

- Warmer than normal for entire region
- Wetter than normal for many areas but below-normal snowfall for most



## Drought:

- Minor improvements in southeastern Massachusetts as groundwater levels continued to recover
- Dry February - status quo for western New York and northwestern Pennsylvania
- Keeping an eye on dry weather and lack of snow as spring approaches

## Outlooks:

- Short-term: above-normal precipitation and above-normal temperatures
- Mar: above-normal precipitation for some coastal areas and above-normal temperatures for all
- Spring: above-normal precipitation for southern areas and above-normal temperatures for all





# Contact Information

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

## Upcoming Webinars

- Thursday, March 28 at 9:30am EDT
  - Spring Flood Outlook
- Tuesday, April 30 at 9:30am EDT
  - Marine Storms
- Thursday, May 30 at 9:30am EDT
  - National Water Model & Flood Inundation Mapping



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