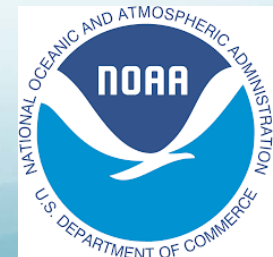


# January Review & Northeast DEWS Discussion

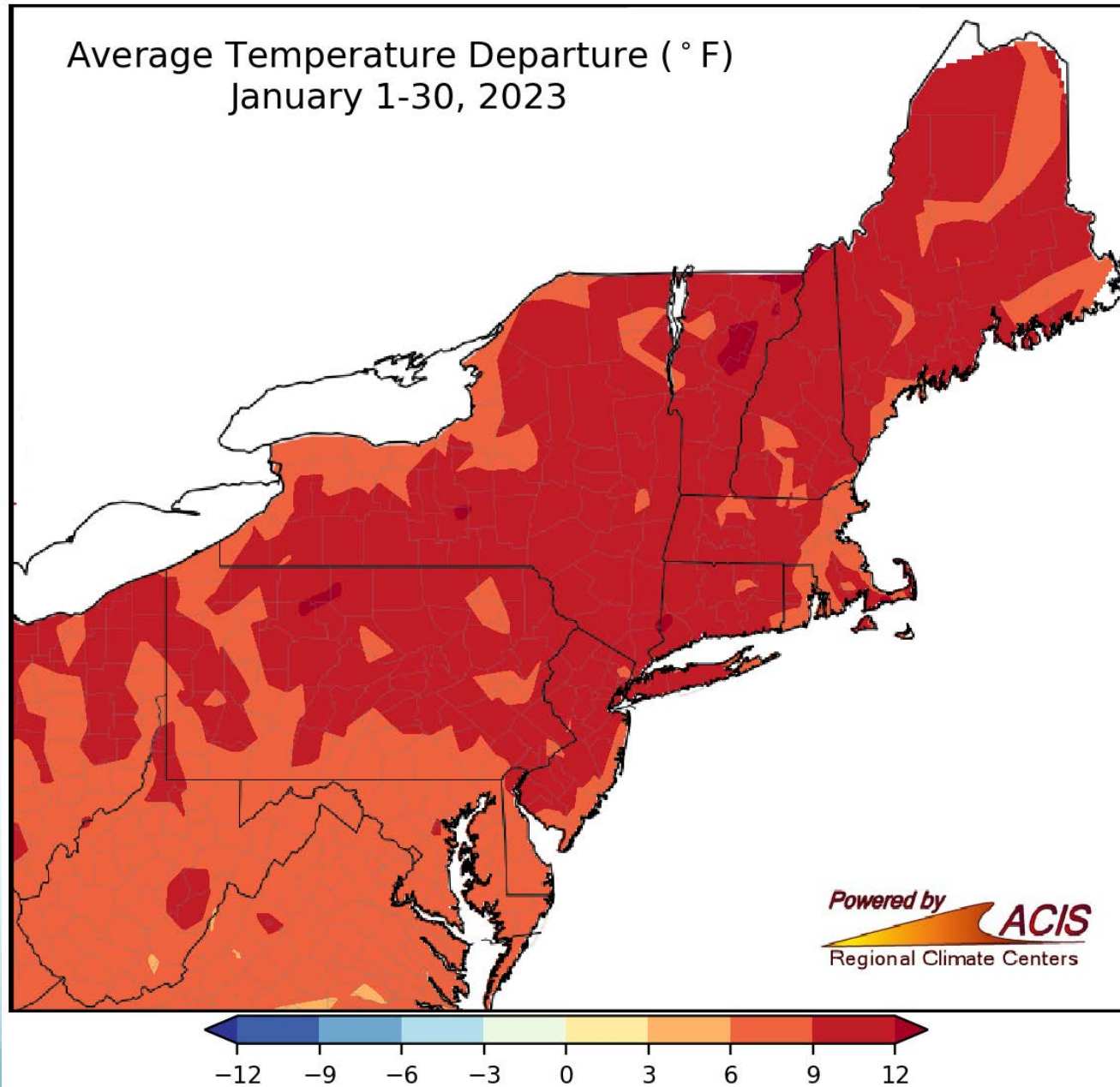
By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center



Northeast Regional  
Climate Center

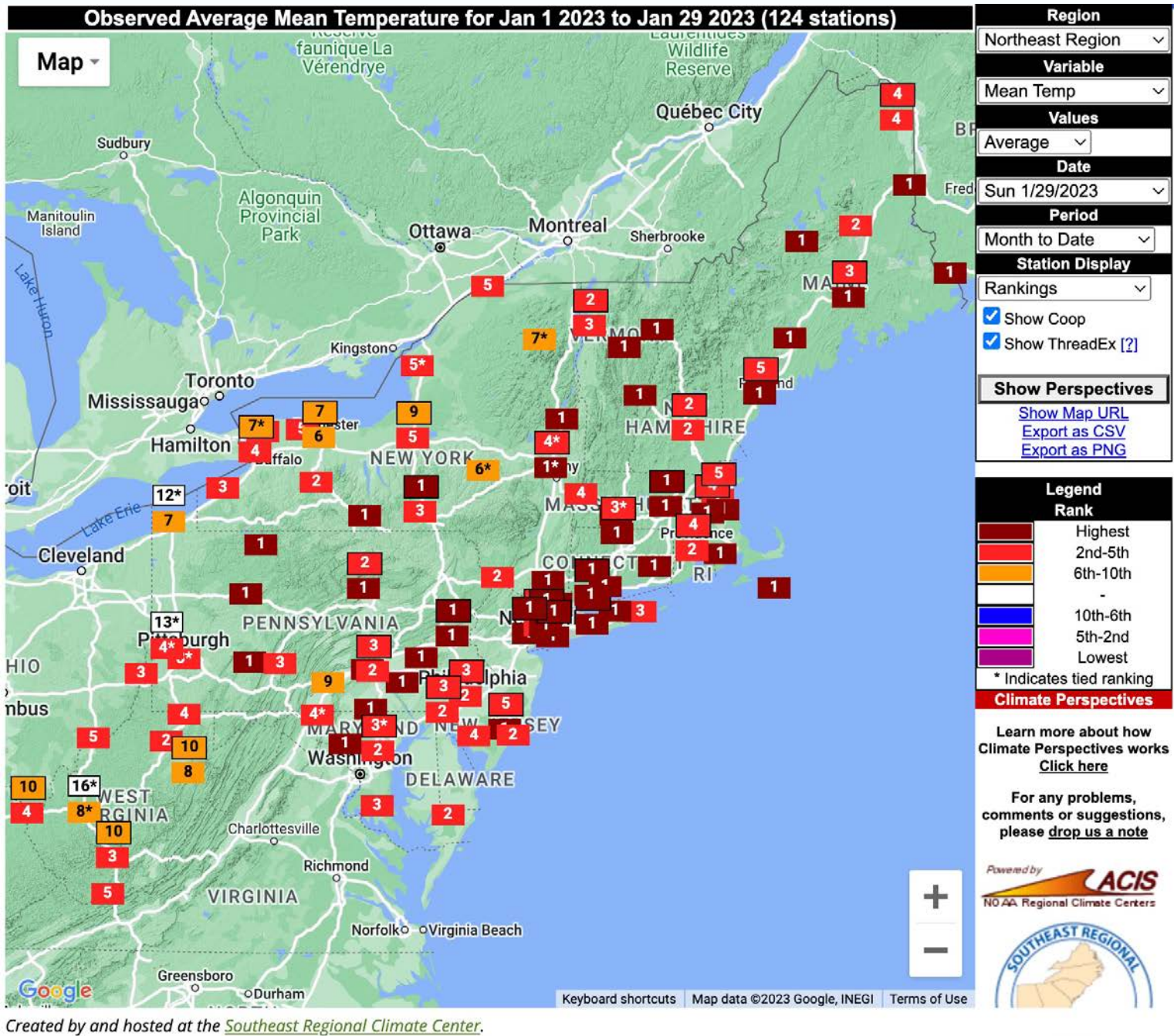


# January Temperatures

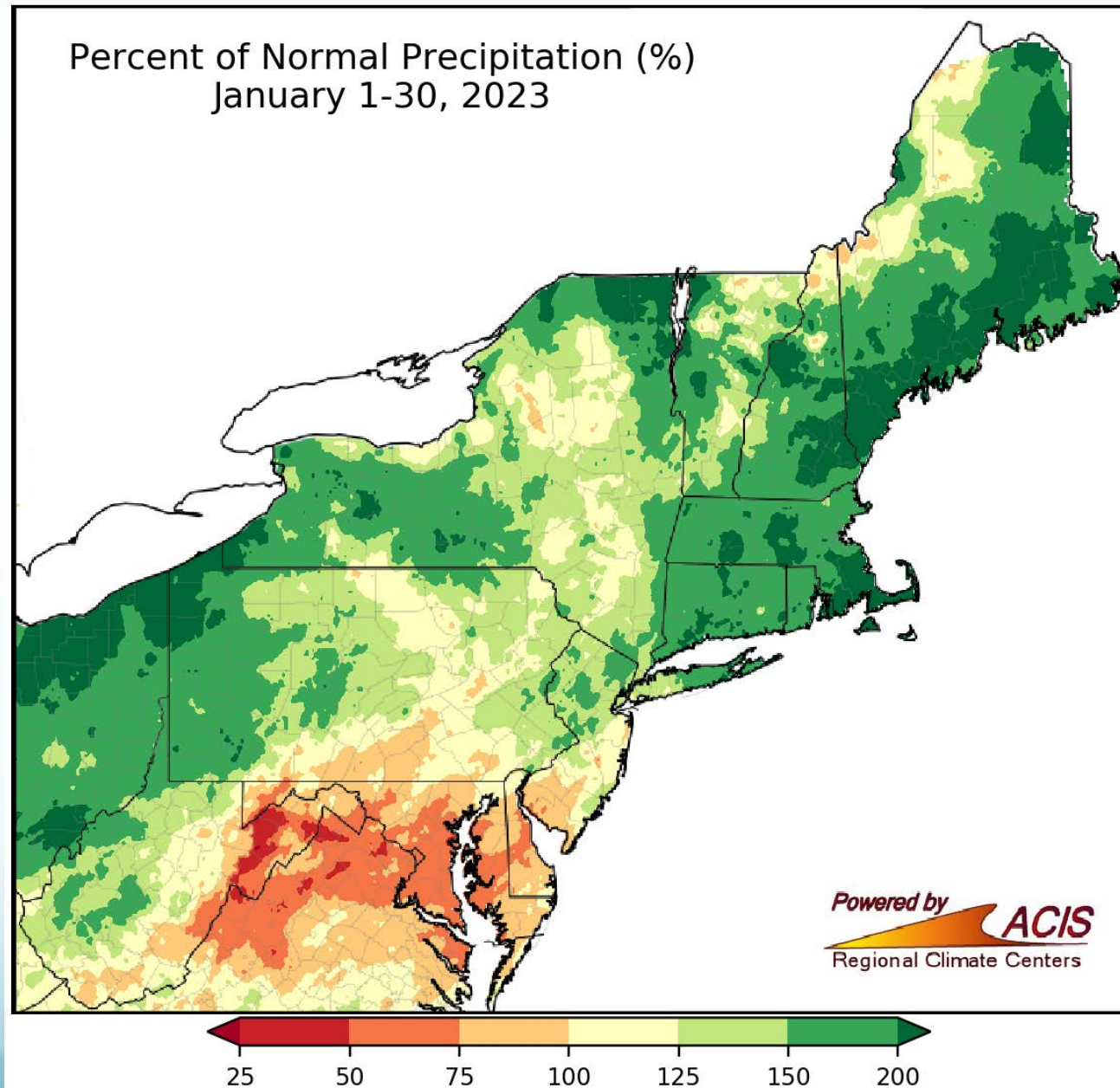


From 6°F to 12°F above normal

# January Temperatures



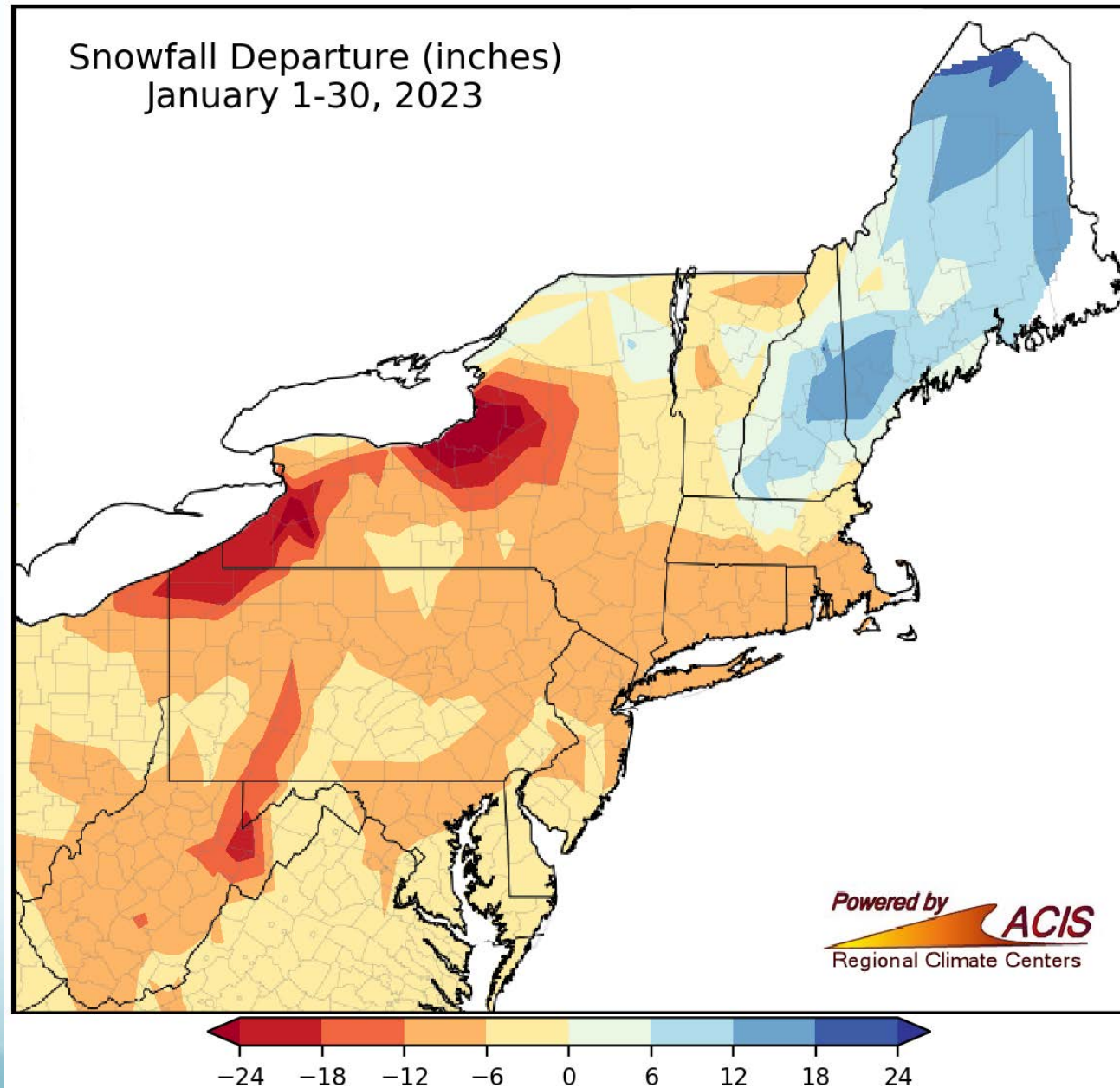
# January Precipitation



From 25% of normal to more than 200% of normal



# January Snowfall



From more than 24" below normal to more than 12" above normal

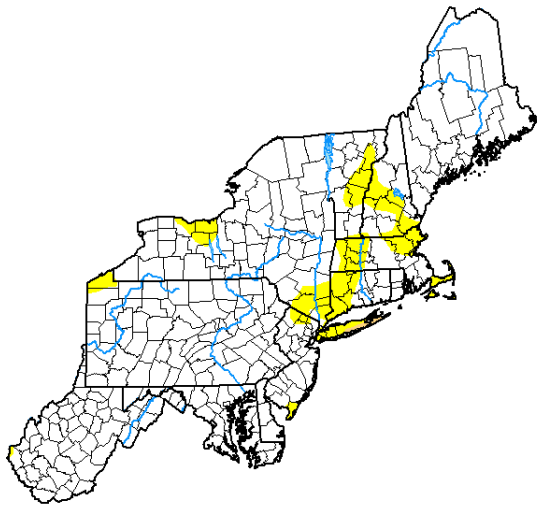
# January Snowfall

Location	Average Date of First Measurable Snow*	Record Latest	Rank as of Jan. 30
Kennedy Airport, NY	Dec. 9	Jan. 29	latest
Central Park, NY	Dec. 13	Jan. 29	latest
Baltimore, MD	Dec. 16	Feb. 21	3rd latest
Dulles Airport, VA	Dec. 17	Jan. 27	latest
Wilmington, DE	Dec. 17	Feb. 16	3rd latest
Philadelphia, PA	Dec. 19	Feb. 3	2nd latest
Washington, DC	Dec. 22	Feb. 23	5th latest
Atlantic City, NJ	Dec. 23	Feb. 16	4th latest
		*based on 1991-2020	



# Drought Monitor

## U.S. Drought Monitor Northeast



**December 27, 2022**  
(Released Thursday, Dec. 29, 2022)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	90.59	9.21	0.21	0.00	0.00	0.00
<b>Last Week</b> <small>12-20-2022</small>	90.49	8.07	1.44	0.00	0.00	0.00
<b>3 Months Ago</b> <small>09-27-2022</small>	69.23	17.83	9.11	3.70	0.14	0.00
<b>Start of Calendar Year</b> <small>01-04-2022</small>	84.91	12.92	1.32	0.85	0.00	0.00
<b>Start of Water Year</b> <small>09-27-2022</small>	69.23	17.83	9.11	3.70	0.14	0.00
<b>One Year Ago</b> <small>12-28-2021</small>	77.53	19.05	2.57	0.85	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>

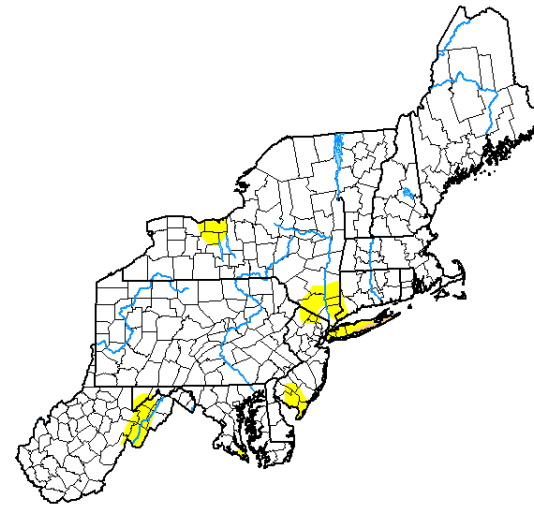
Author:

Richard Heim  
NCEI/NOAA



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

## U.S. Drought Monitor Northeast



**January 24, 2023**  
(Released Thursday, Jan. 26, 2023)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	95.28	4.52	0.21	0.00	0.00	0.00
<b>Last Week</b> <small>01-17-2023</small>	94.05	5.74	0.21	0.00	0.00	0.00
<b>3 Months Ago</b> <small>10-25-2022</small>	81.30	16.44	1.89	0.37	0.00	0.00
<b>Start of Calendar Year</b> <small>01-03-2023</small>	90.64	9.16	0.21	0.00	0.00	0.00
<b>Start of Water Year</b> <small>09-27-2022</small>	69.23	17.83	9.11	3.70	0.14	0.00
<b>One Year Ago</b> <small>01-25-2022</small>	89.35	8.61	1.19	0.85	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:

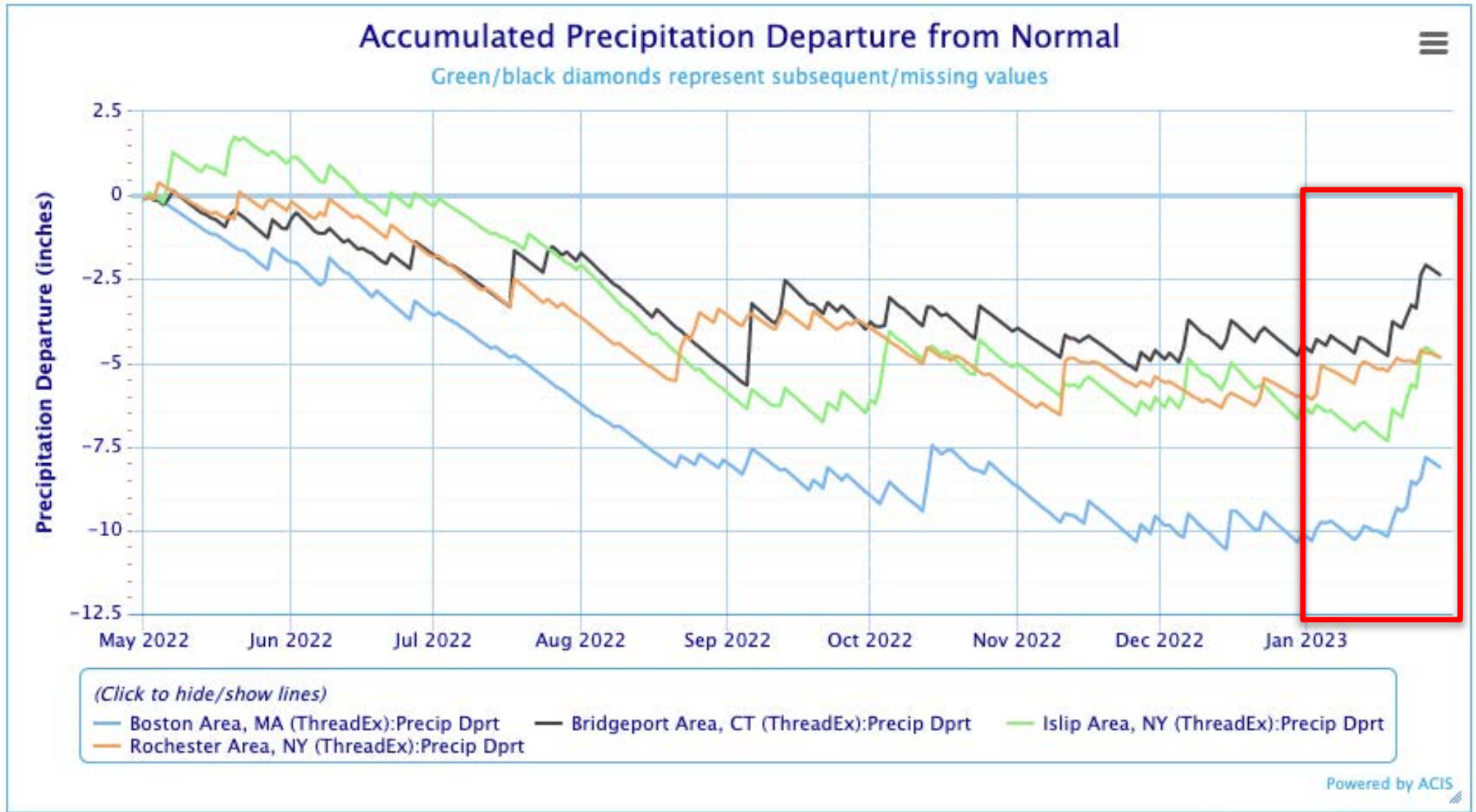
Rocky Bilotta  
NCEI/NOAA



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

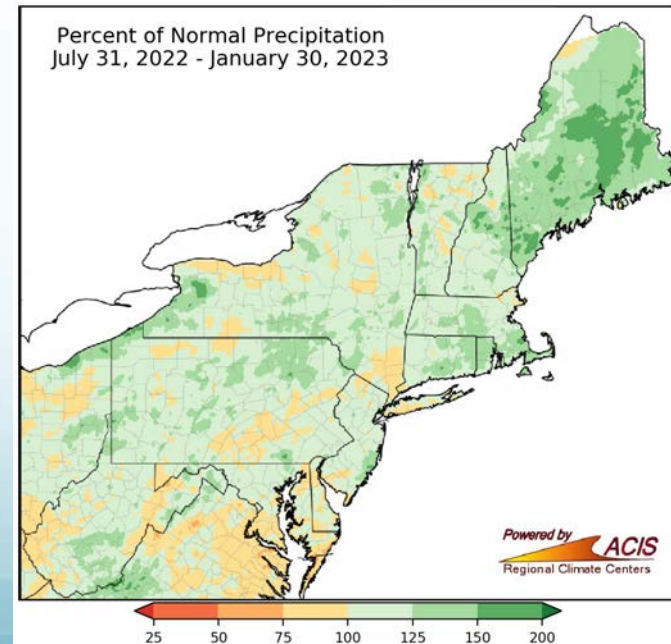
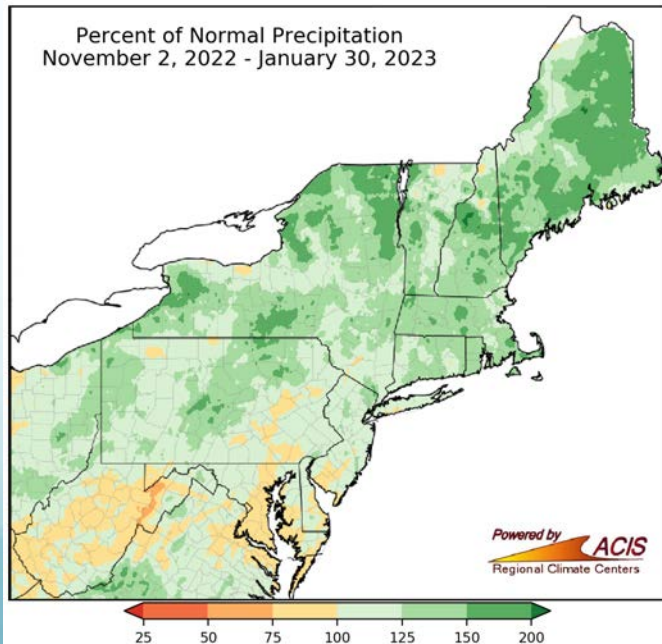
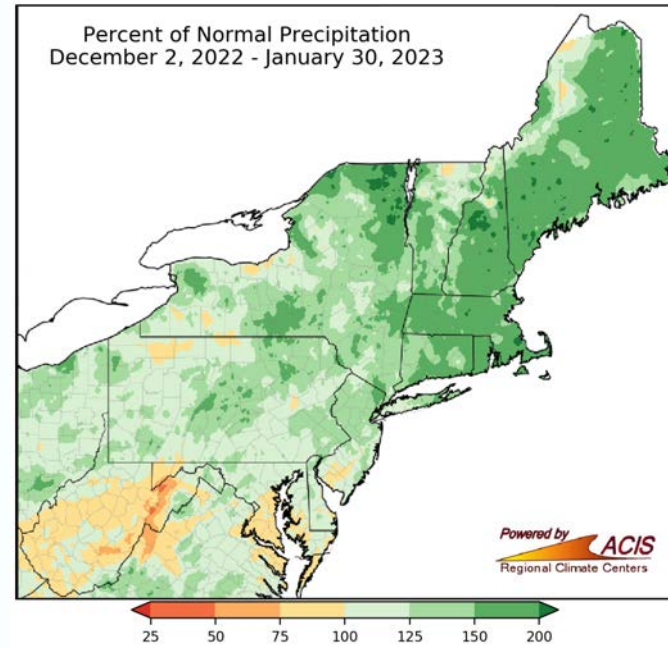
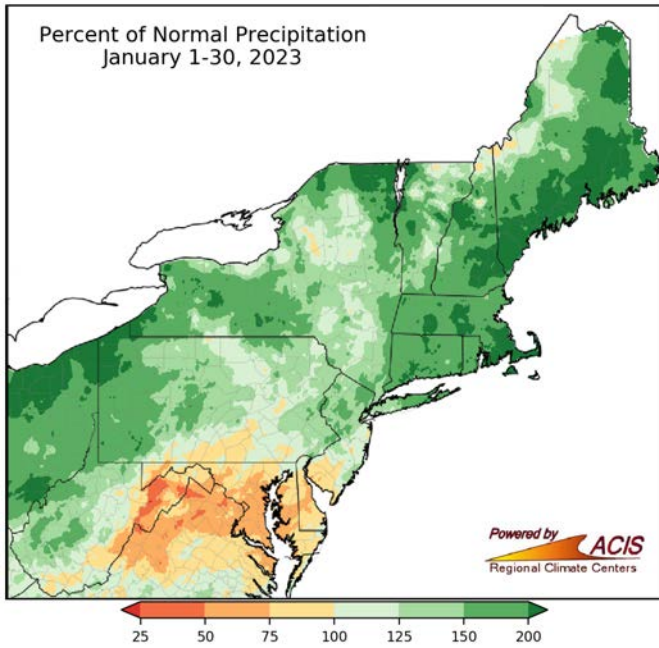


# Precipitation

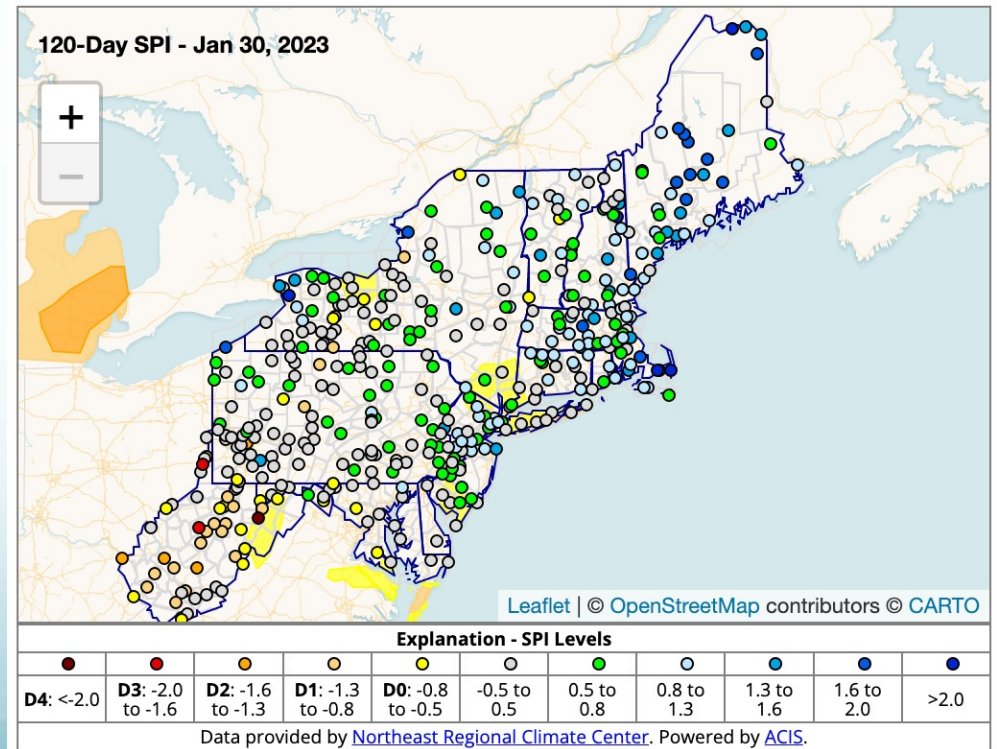
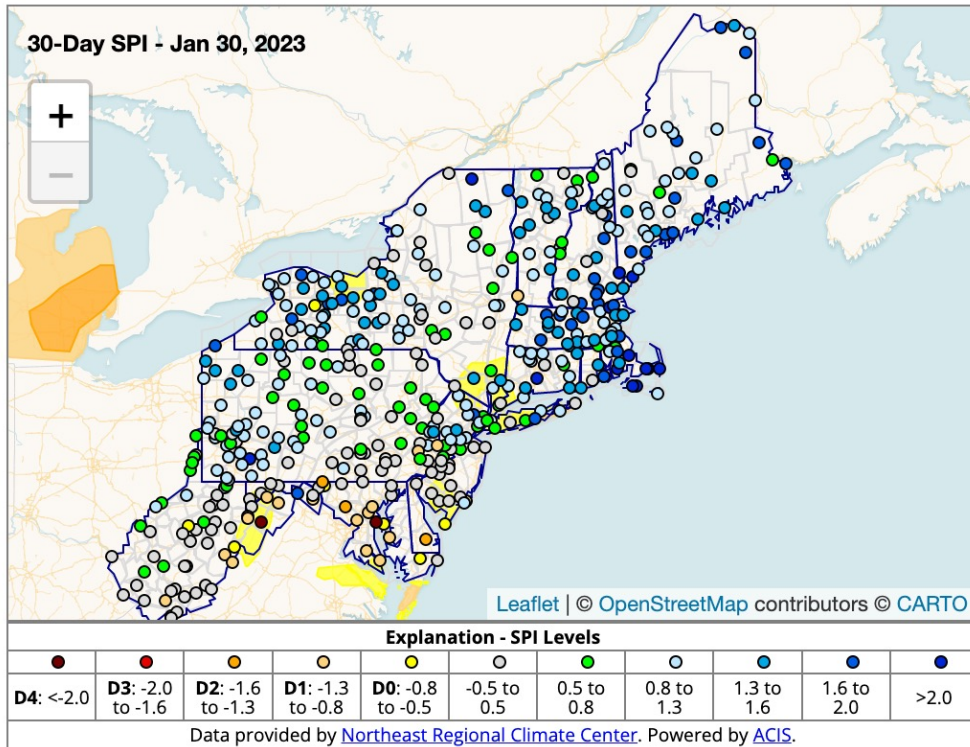




# Precipitation

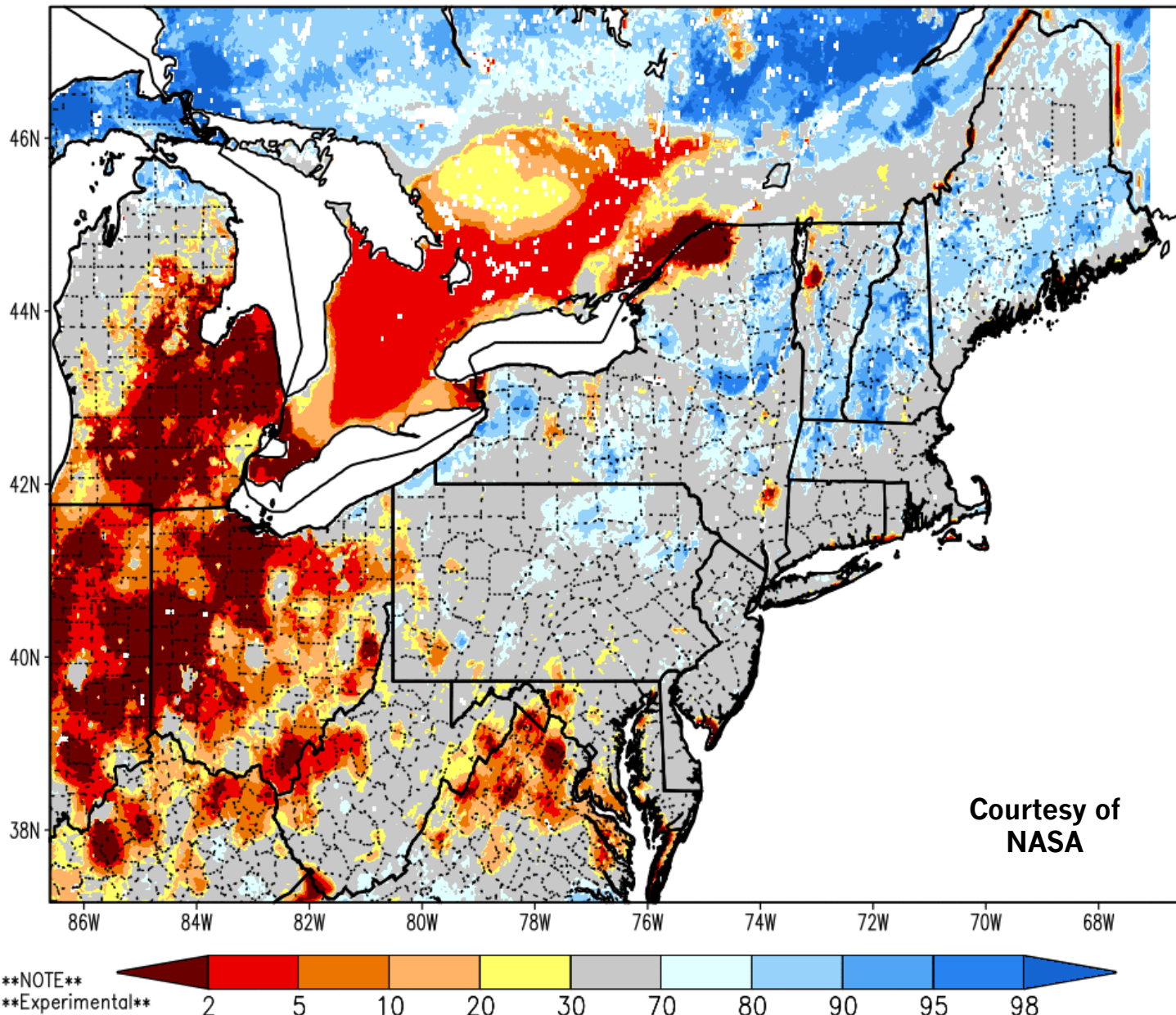


# Standardized Precipitation Index

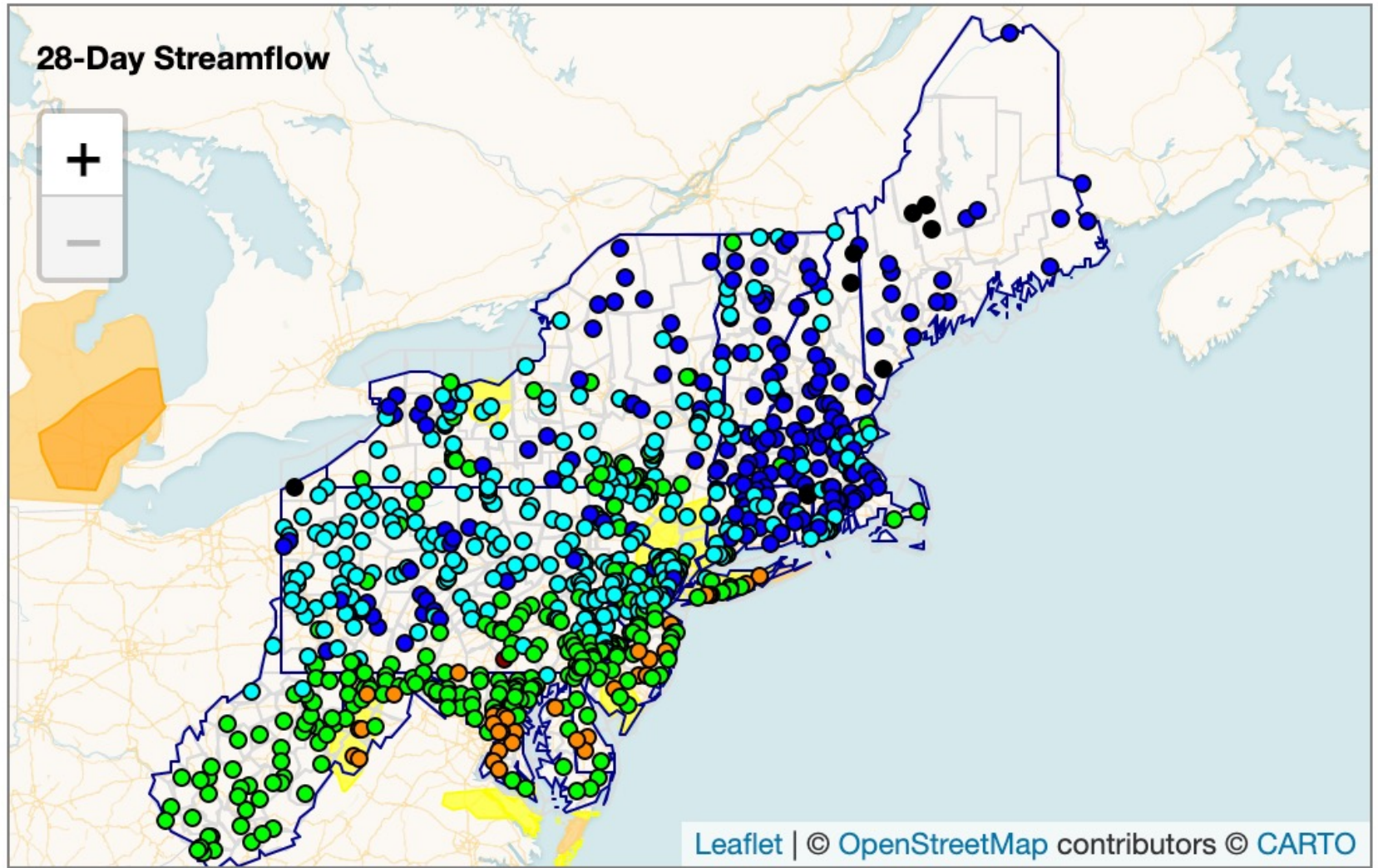


# Soil Moisture

SPoRT-LIS 0-100 cm Soil Moisture percentile valid 31 Jan 2023



# Streamflow



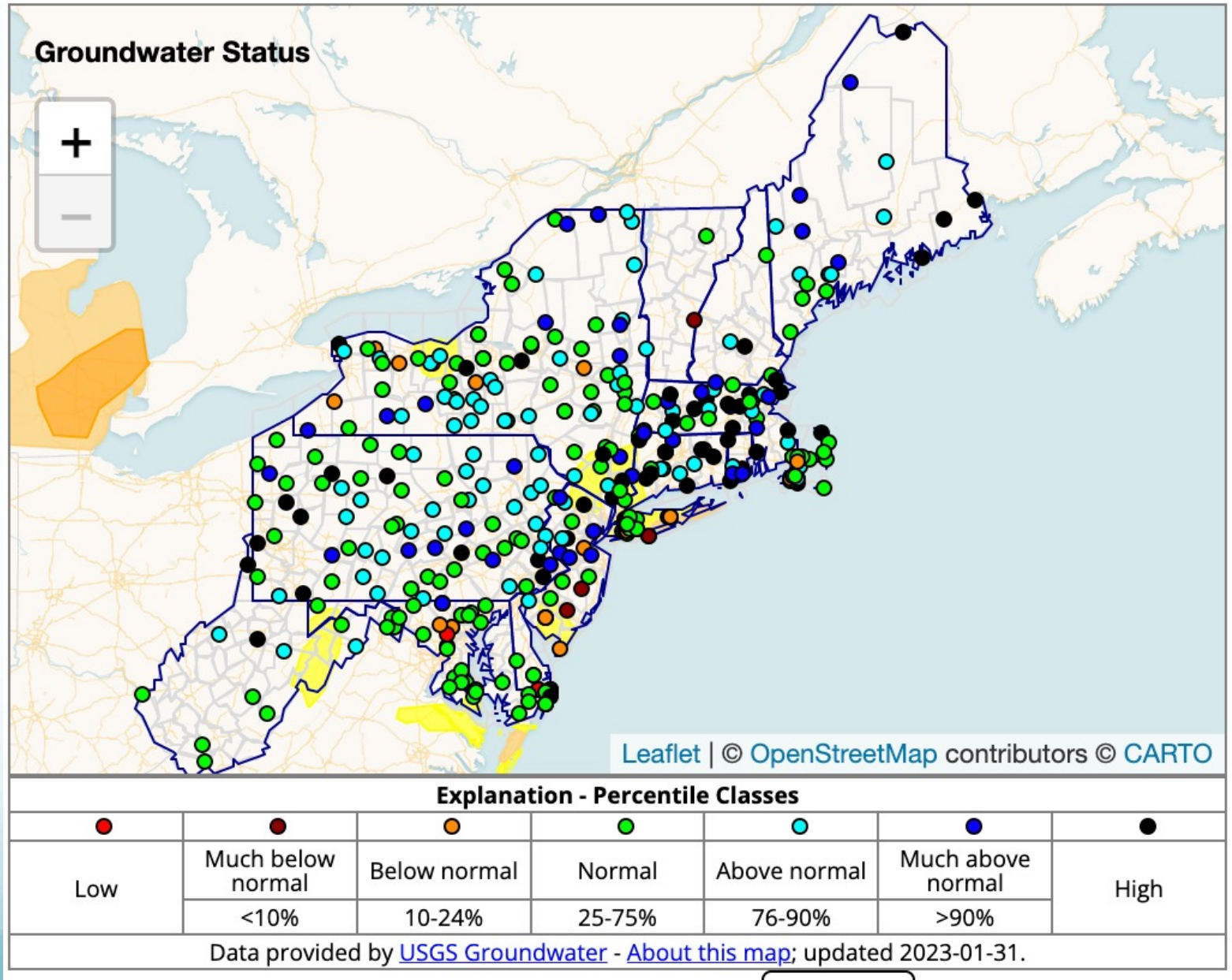
## Explanation - Percentile Classes

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

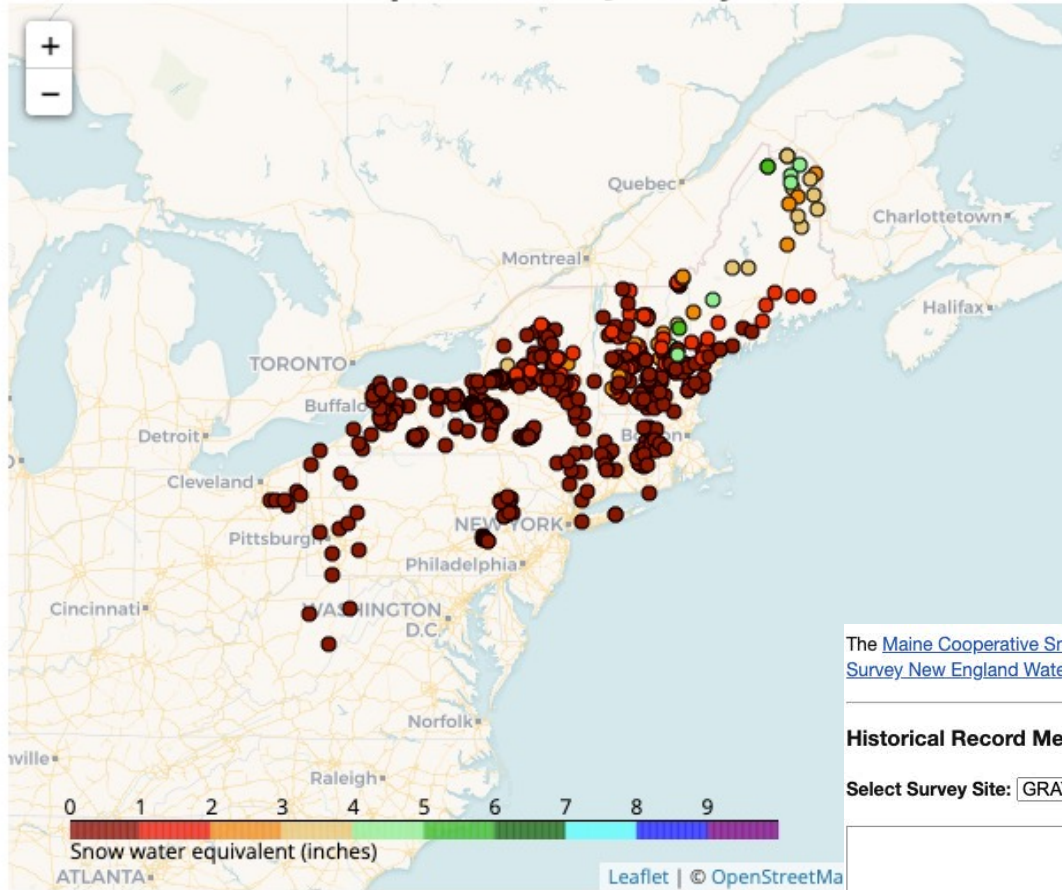
Data provided by [USGS WaterWatch - Streamflow](#); updated 2023-01-31.



# Groundwater



## Snow Water Equivalent for January 15-19, 2023

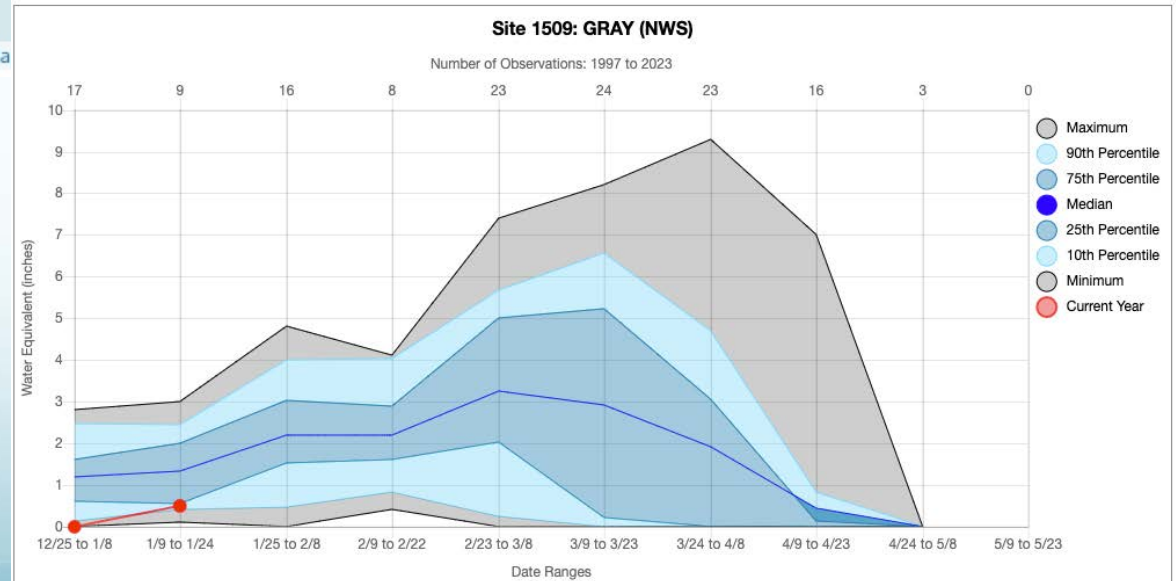


# Snow Water Equivalent

The [Maine Cooperative Snow Survey](#) maps and data are provided by a partnership with [Maine Geological Survey](#) and the [U. S. Geological Survey New England Water Science Center, Maine Office](#) for the [Maine River Flow Advisory Council](#).

### Historical Record Mean Water Content Graph

Select Survey Site:



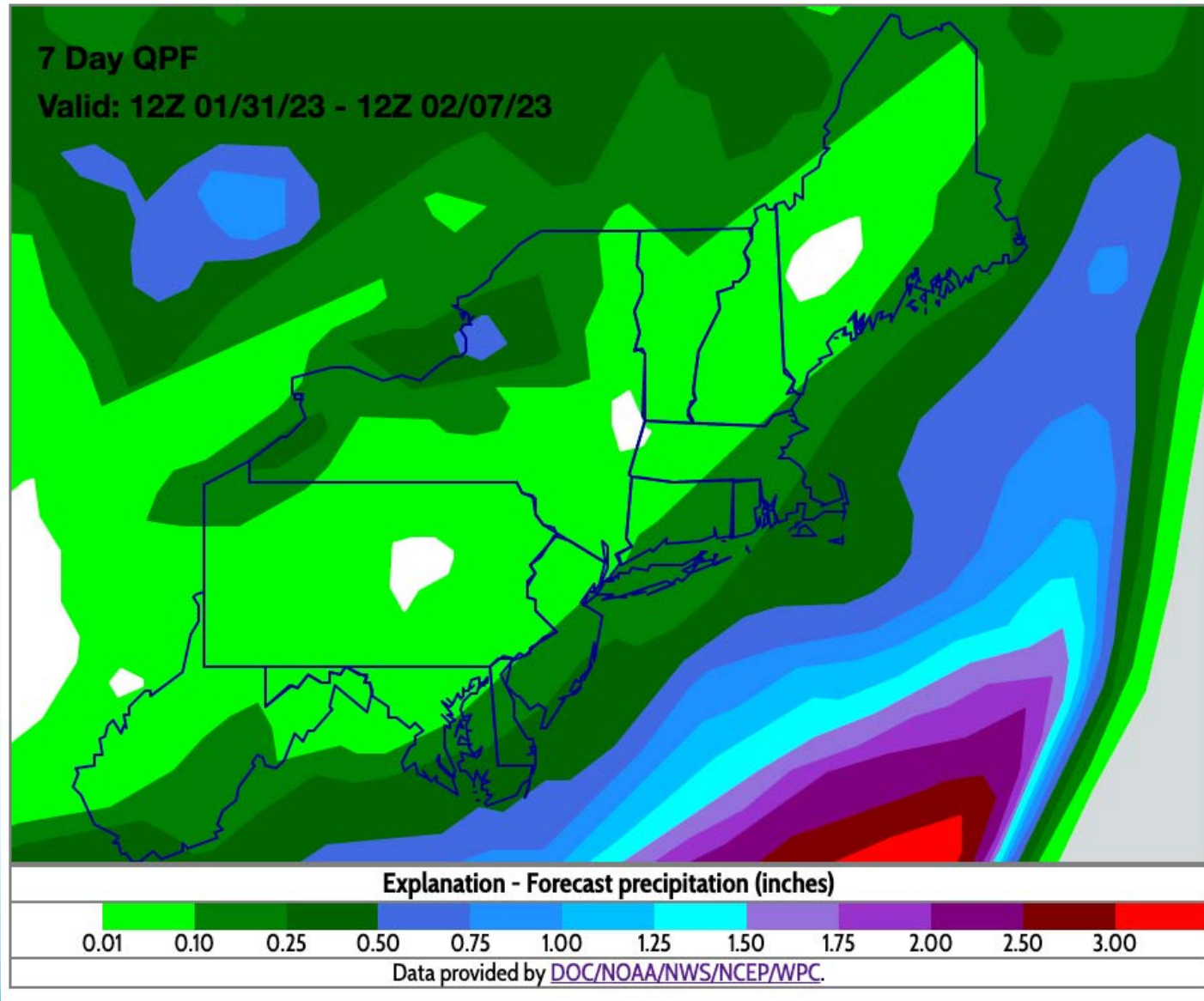
Updated: January 18, 2023

<http://www.nrcc.cornell.edu/regional/snowsurvey/snowsurvey.html>

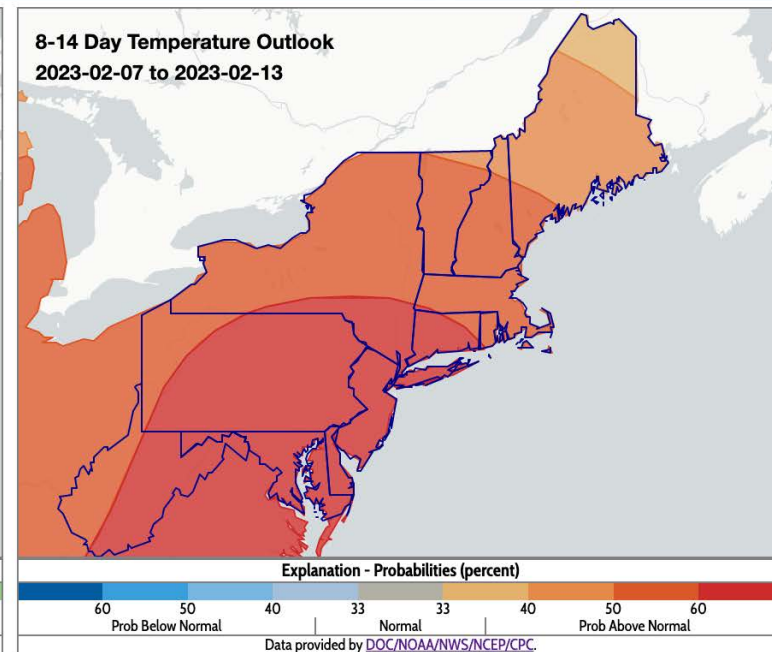
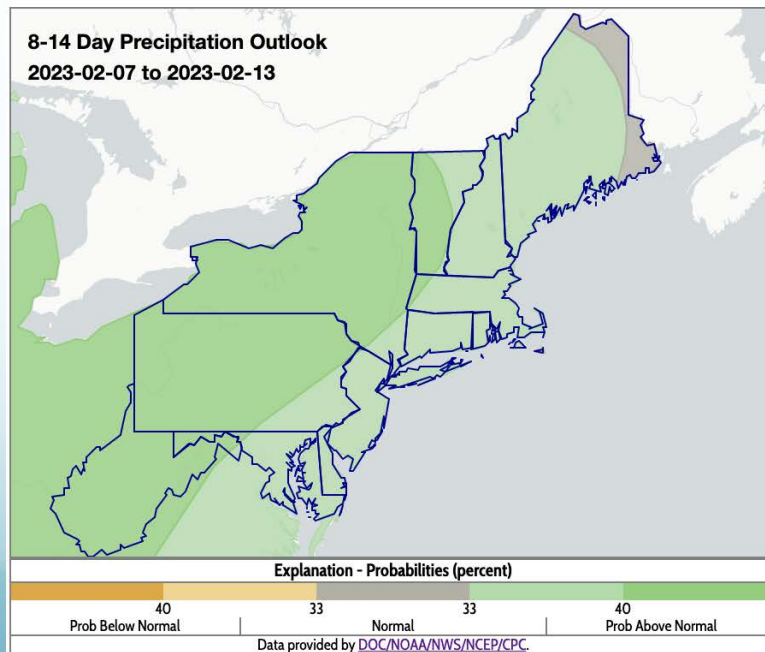
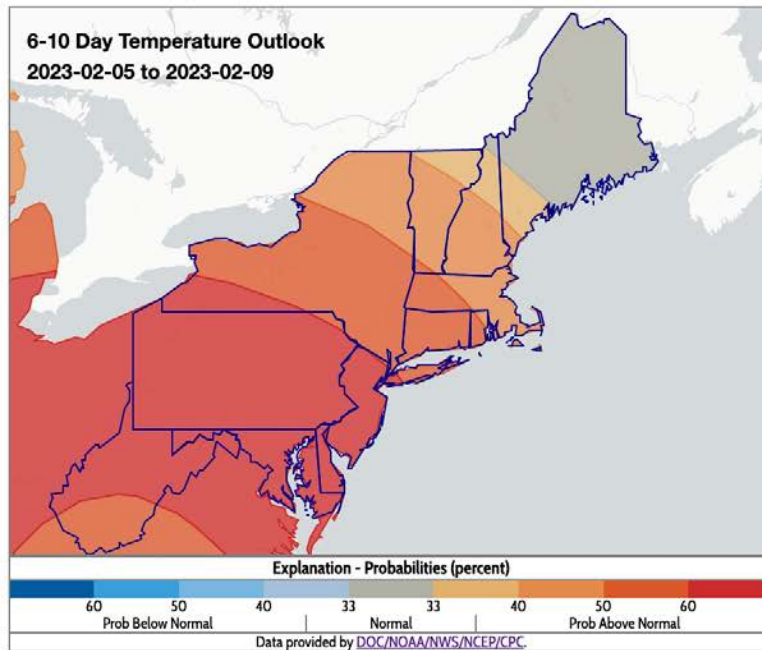
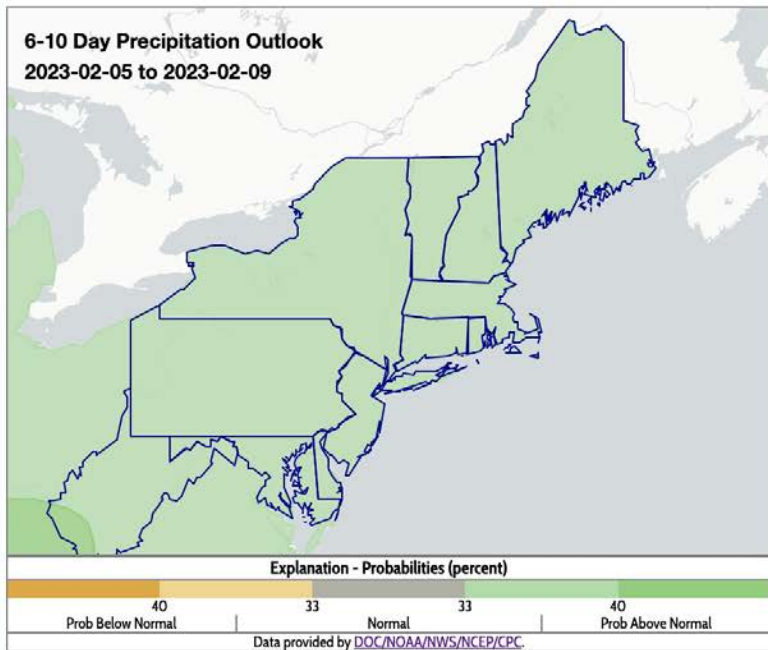
[https://www.maine.gov/dacf/mgs/hazards/snow\\_survey/snow\\_graphs.shtml](https://www.maine.gov/dacf/mgs/hazards/snow_survey/snow_graphs.shtml)



# Precipitation Forecast

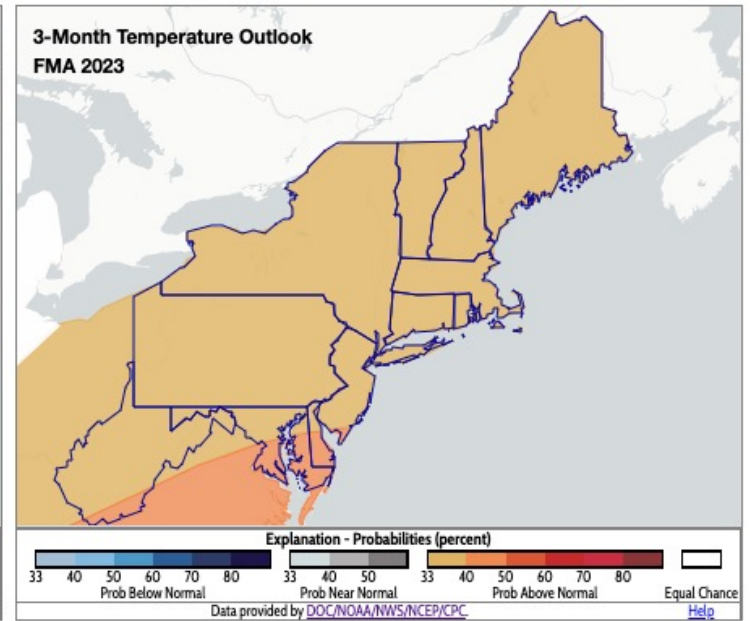
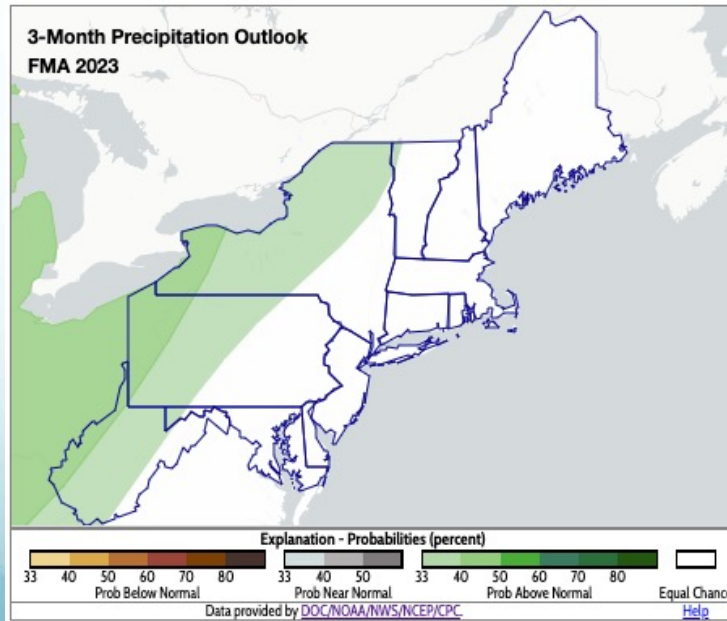
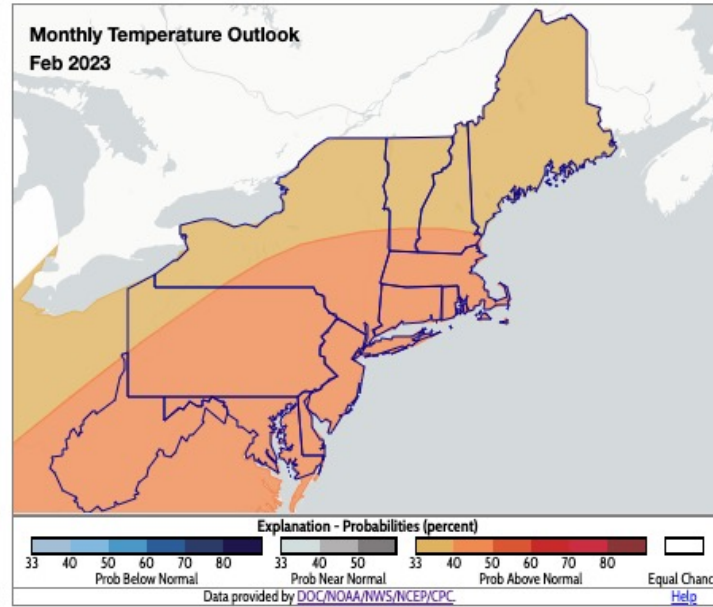
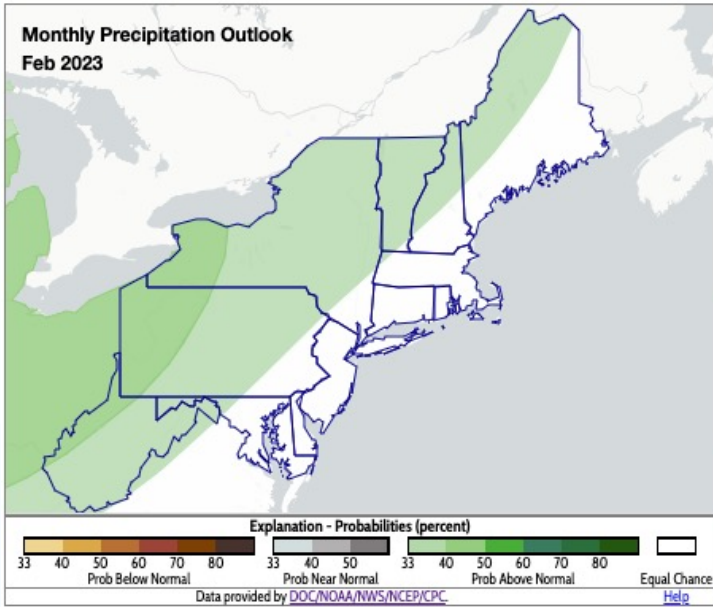


# Short-term Outlooks





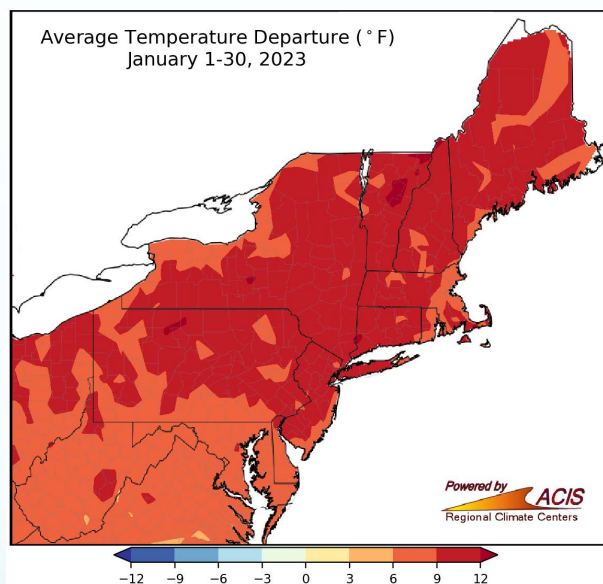
# Monthly & 3-Month Outlooks



# Summary

## January-to-date conditions:

- Well-above-normal temperatures – top 5 warmest likely for some sites
- Above-normal precipitation and below-normal snowfall for most areas – record late measurable snowfall for a few sites



## Drought:

- Wetter weather eased dryness in most of New England
- Abnormal dryness introduced in parts of West Virginia and Maryland that were drier

## Outlooks:

- Short-term: above-normal precipitation and above-normal temperatures favored for most areas
- February/Feb-Apr: above-normal precipitation favored for interior areas and above-normal temperatures favored for all



# Contact Information

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

## Upcoming Webinars

- Tuesday, February 28 at 9:30am EST
  - Climate Projections and Downscaling
- Thursday, March 30 at 9:30am EST
  - Spring Flood Outlook
- Thursday, April 27 at 9:30am EST
  - TBD



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