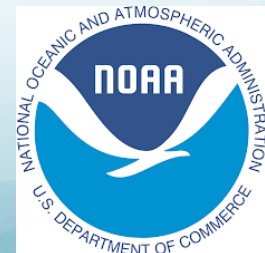
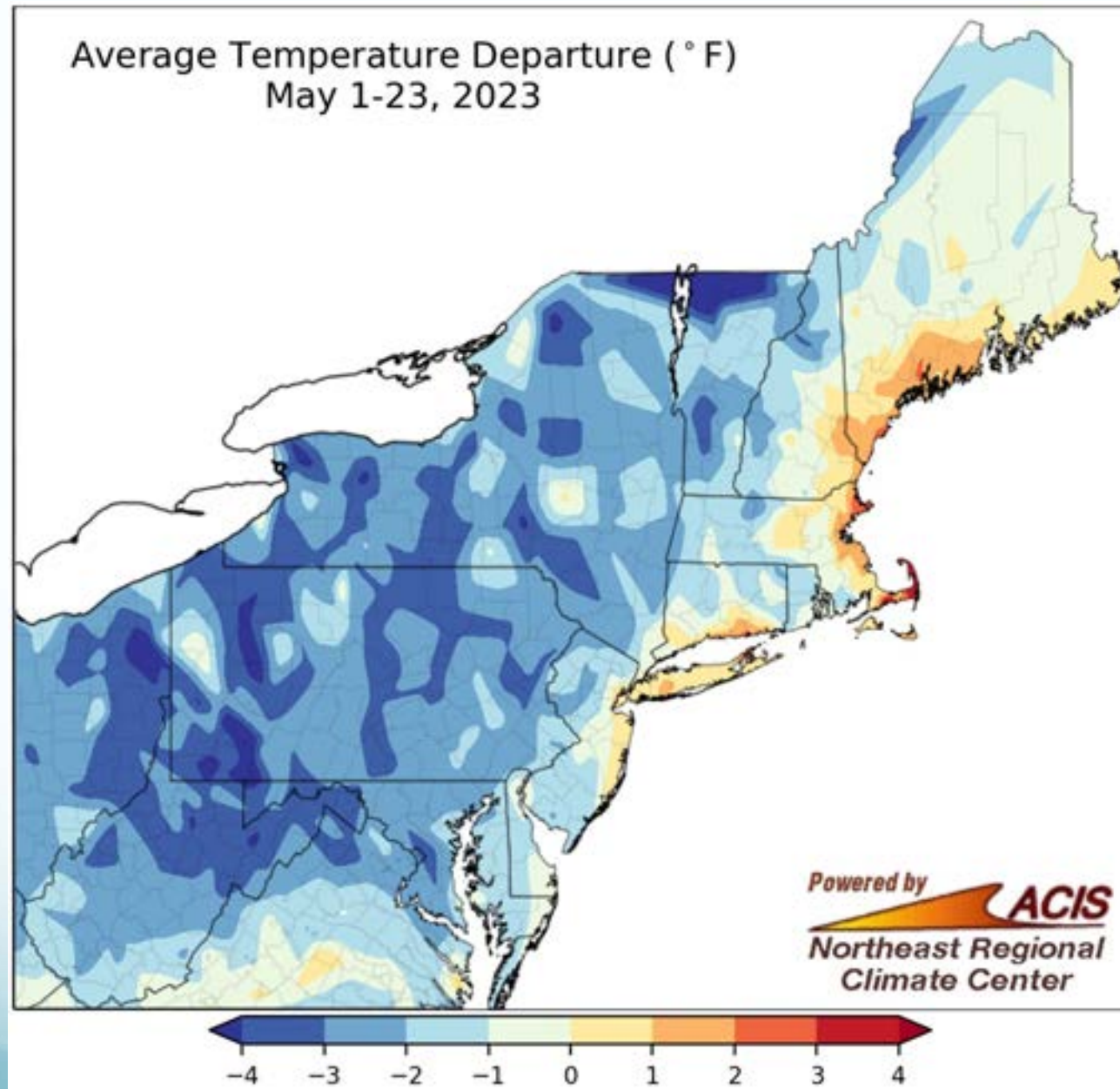


May Conditions & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



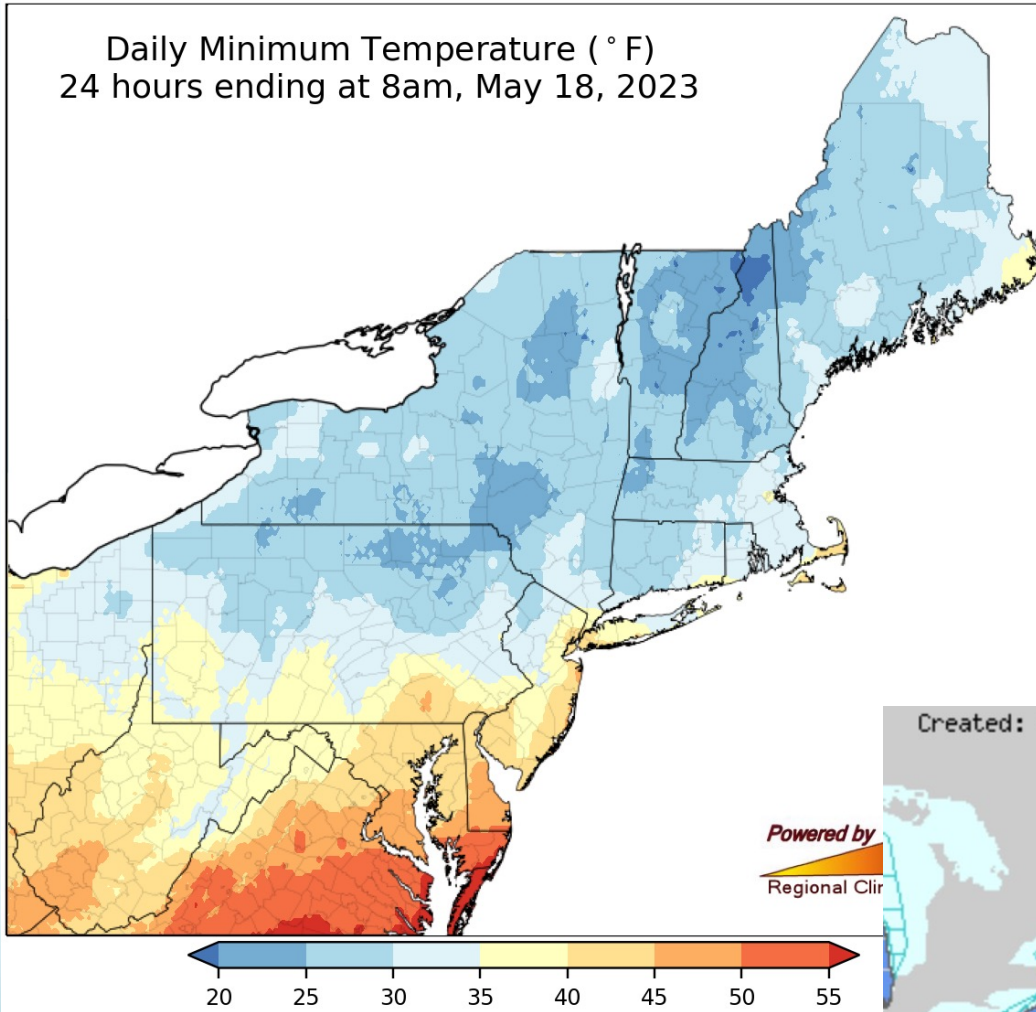
May Temperatures



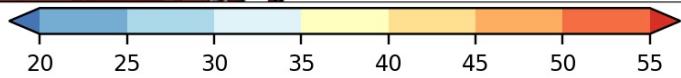
From more than 4°F below normal to 3°F above normal

May Temperatures

Daily Minimum Temperature (° F)
24 hours ending at 8am, May 18, 2023



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Regional Clir



Vermont farmers take stock of frost damage on apple, strawberry and blueberry crops

Vermont Public | By Howard Weiss-Tisman
Published May 18, 2023 at 4:36 PM EDT

East Coast wineries assessing losses after late frost turns May morning into a 'bad dream'

Updated: May. 23, 2023, 6:36 p.m. | Published: May. 22, 2023, 2:19 p.m.

CENTRAL NY NEWS

Recent widespread frost damage creates worry for Finger Lakes wineries

Updated: May. 23, 2023, 2:54 p.m. | Published: May. 23, 2023, 2:44 p.m.

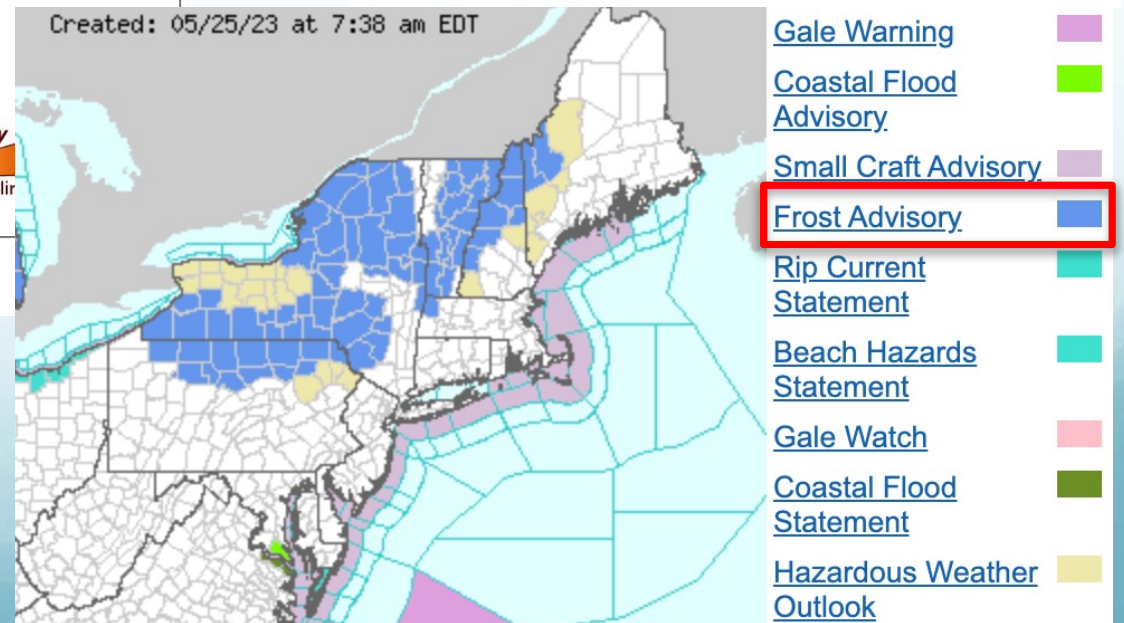
Hard freeze causes significant crop damage at farms in NH, beyond

By Rick Green Sentinel Staff
May 22, 2023

Fruit growers in western Massachusetts assessing crop loss after May freeze

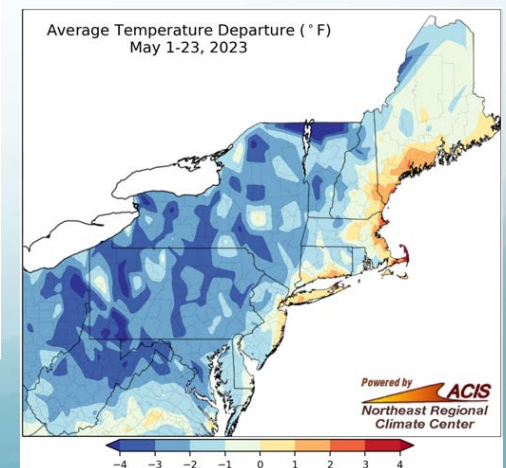
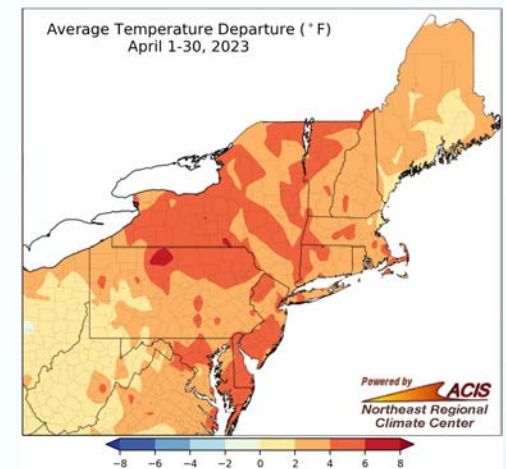
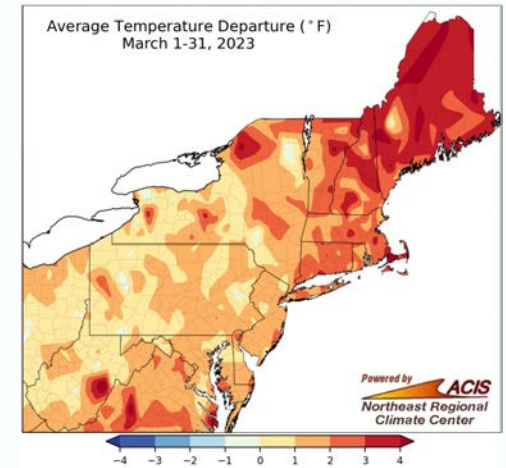
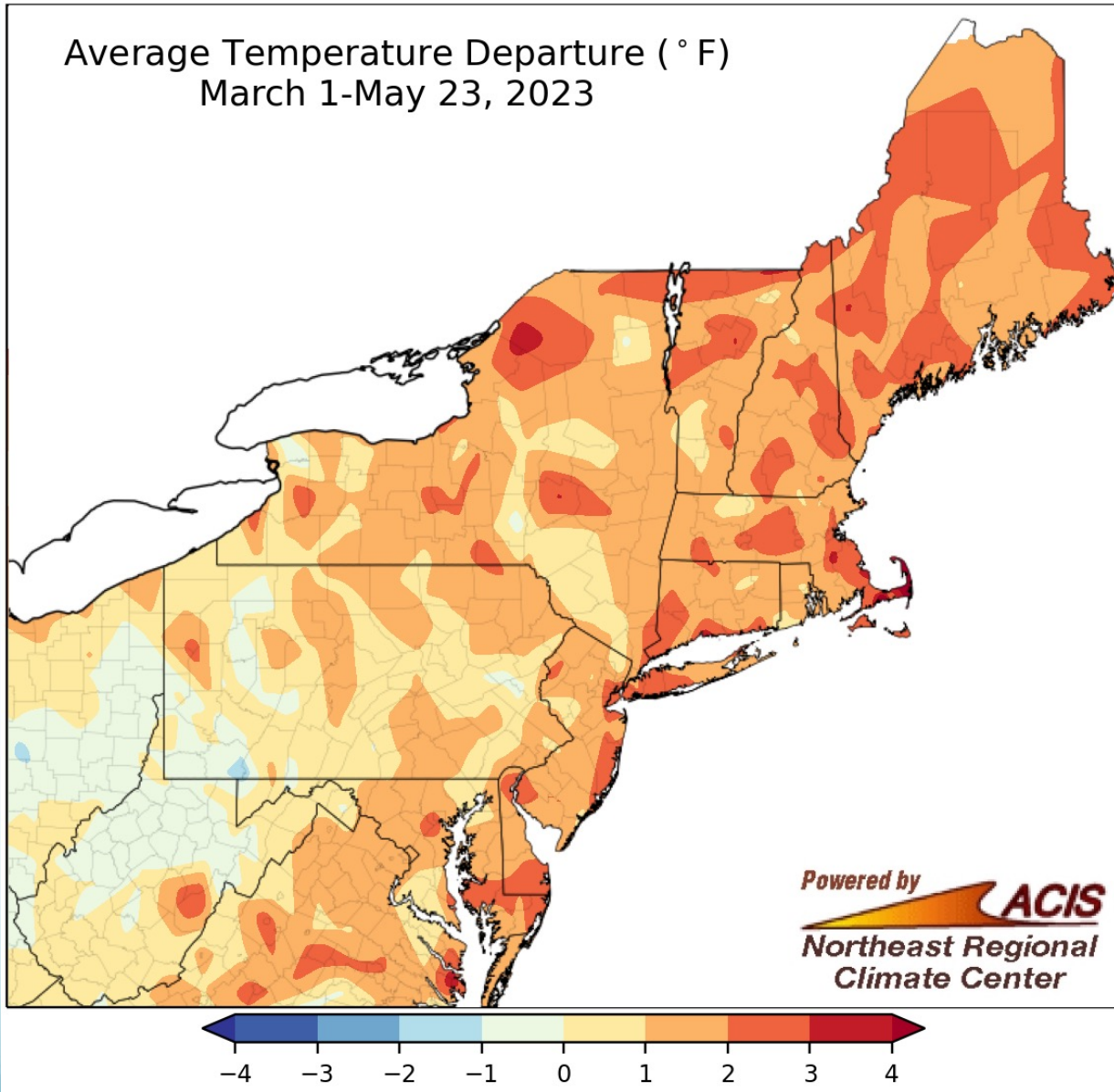
New England Public Media | By Nancy Eve Cohen
Published May 23, 2023 at 10:01 AM EDT

Created: 05/25/23 at 7:38 am EDT



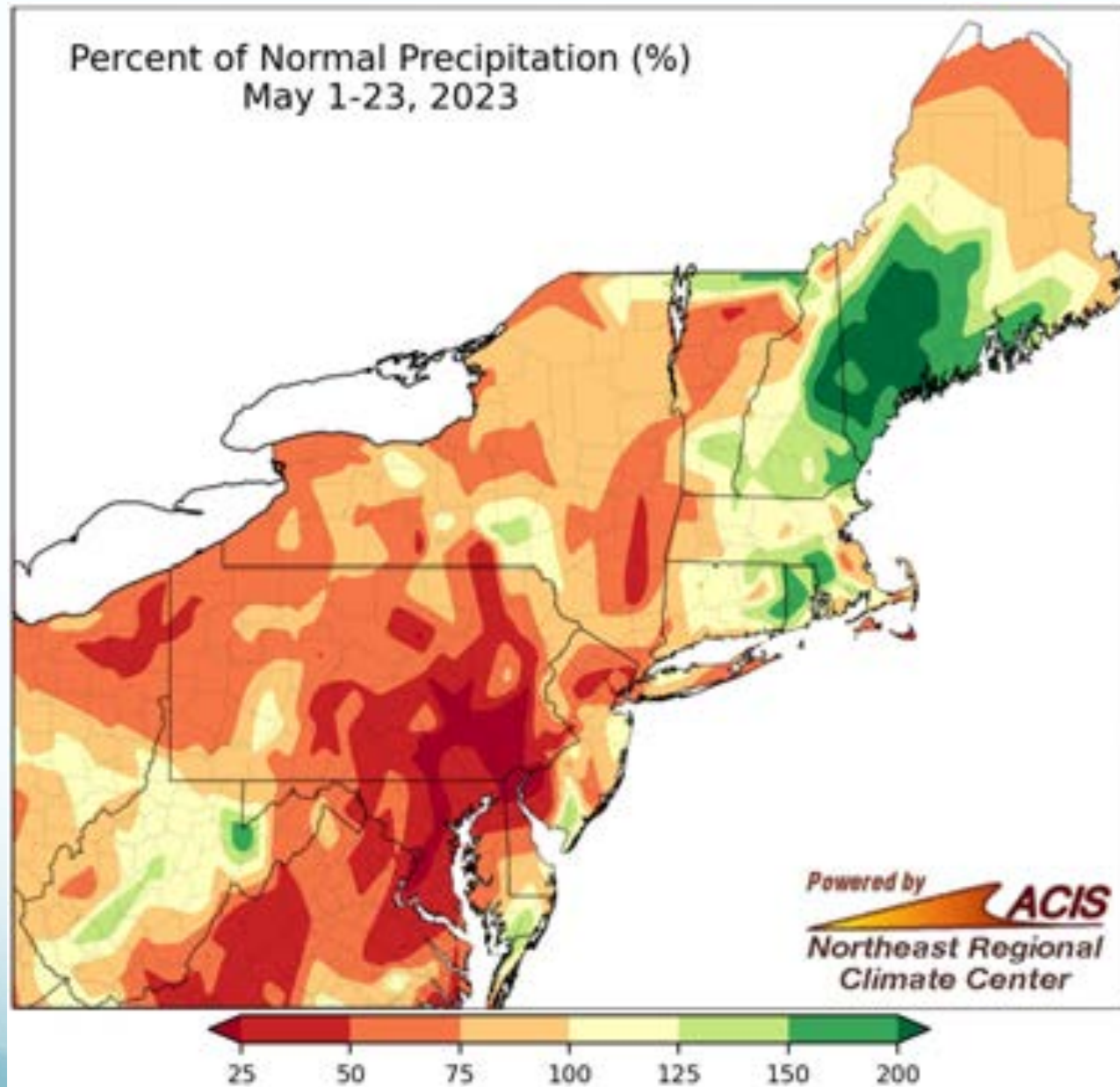
- Gale Warning
- Coastal Flood Advisory
- Small Craft Advisory
- Frost Advisory**
- Rip Current Statement
- Beach Hazards Statement
- Gale Watch
- Coastal Flood Statement
- Hazardous Weather Outlook

Spring Temperatures



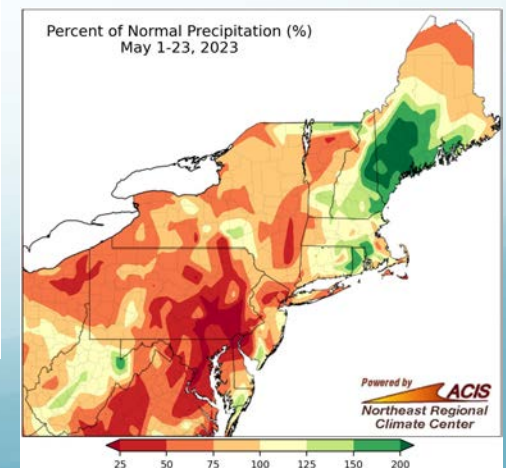
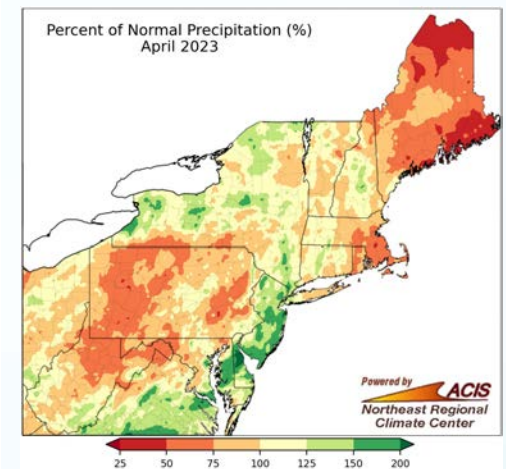
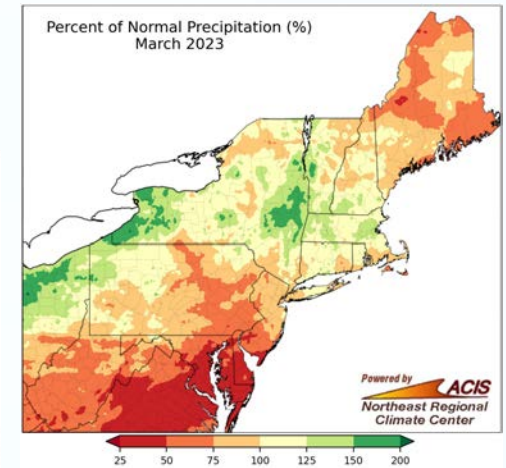
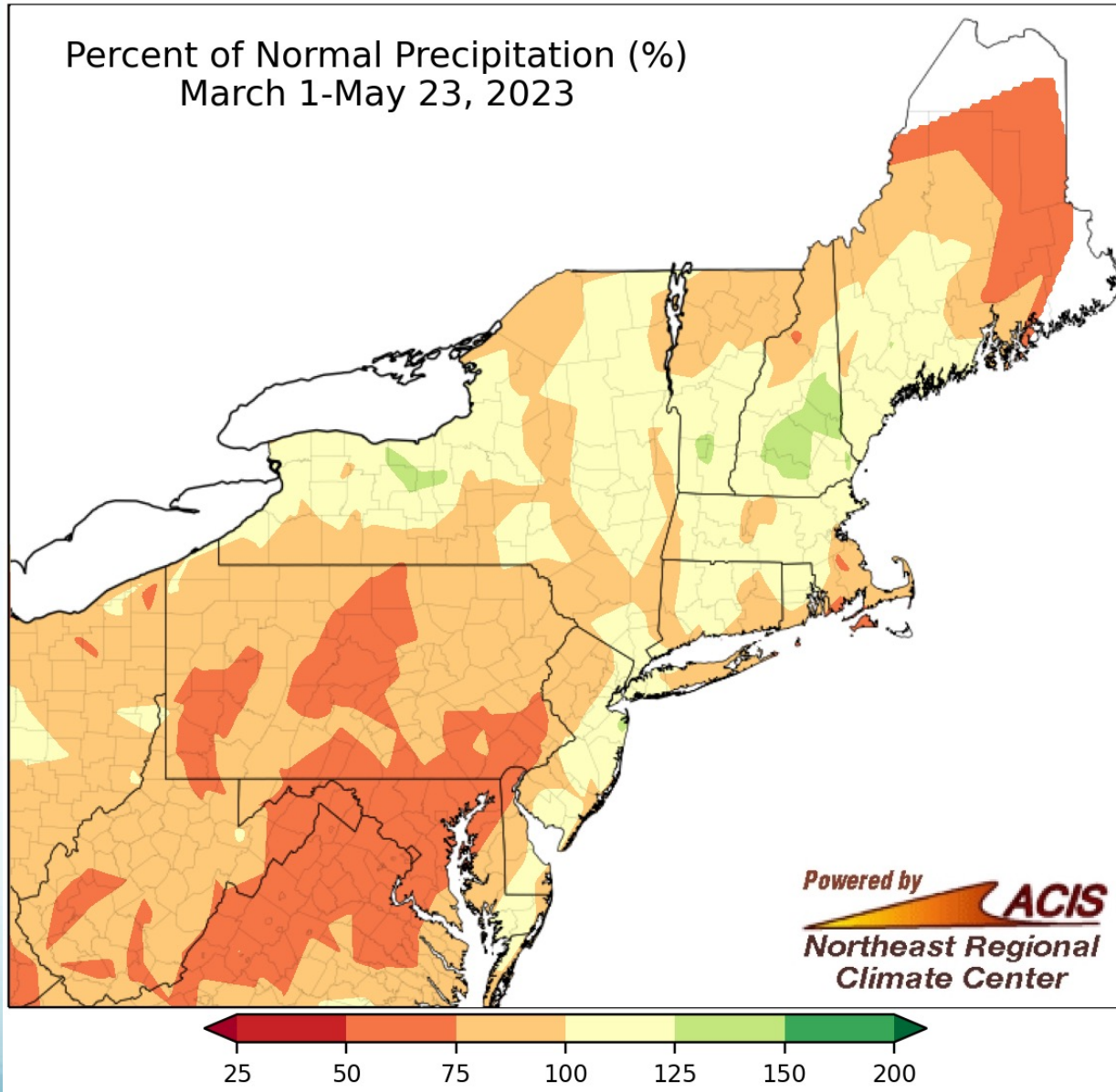
From more than 1°F below normal to
3°F above normal

May Precipitation



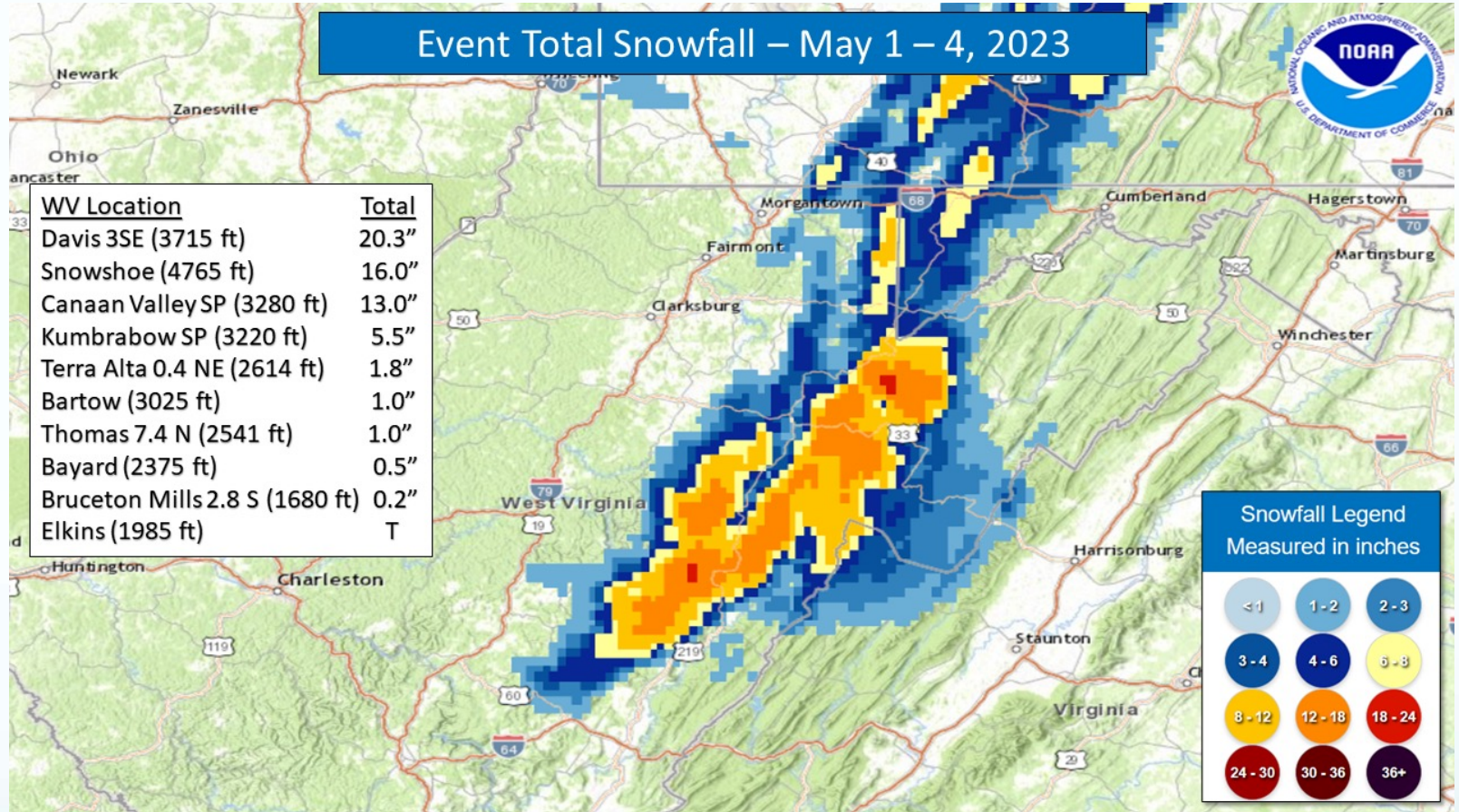
From less than 25% of normal to more than 200% of normal

Spring Precipitation



From 50% of normal to 150% of normal

May Snowfall



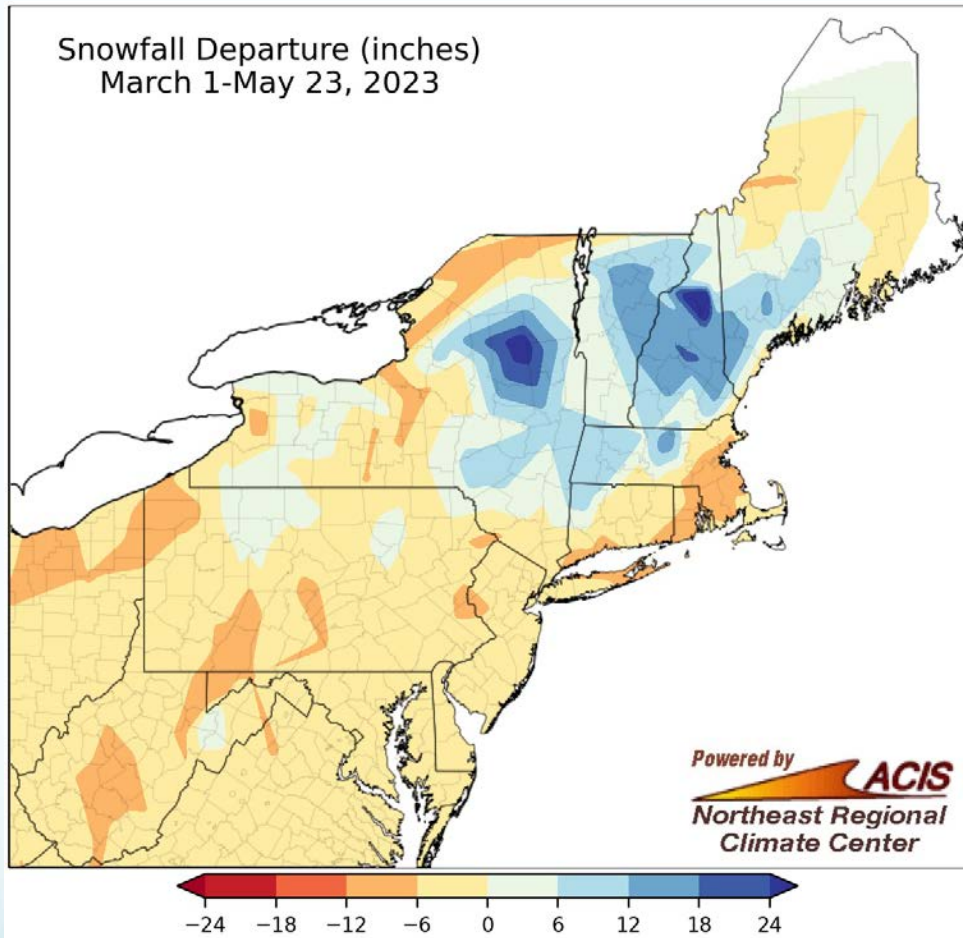
All-Time May West Virginia State Snowfall Records Broken

Category	Old Record	New Record
Largest 24-Hr May Snow	10.0 In (Beckley, WV: May 8/9, 1923)	10.1 In (3 SE Davis, WV: May 2/3, 2023)
Largest May Snowstorm	12.0 In (Kumbrabow State Forest (WV): May 4-6, 1945)	20.3 In (3 SE Davis, WV: May 1-4, 2023)
Greatest May Snow Depth	6 In (Cheat Bridge, WV: May 12, 1924)	15 In (Snowshoe, WV: May 4, 2023)
Snowiest May	12.0 In (Kumbrabow State Forest (WV): May 1945)	20.3 In (3 SE Davis, WV: May 2023)

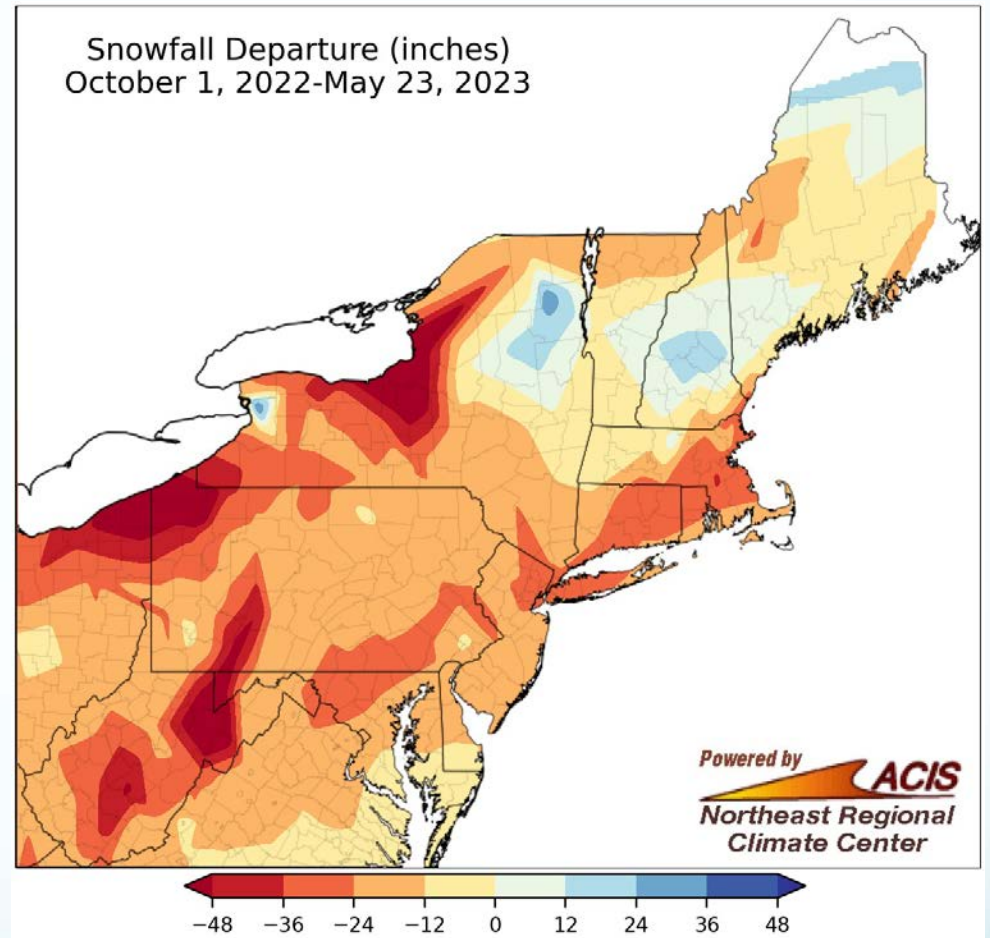
This is preliminary data until published by NOAA/NCEI in Asheville, NC.



Spring & Season Snowfall



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

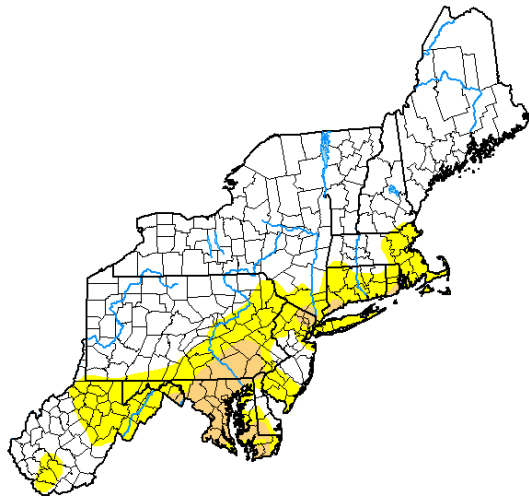


From more than 48" below normal to 24" above normal



Drought Monitor

U.S. Drought Monitor Northeast



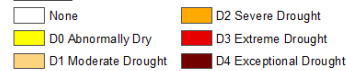
April 25, 2023

(Released Thursday, Apr. 27, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	72.19	21.66	6.15	0.00	0.00	0.00
Last Week 04-18-2023	74.97	18.54	6.49	0.00	0.00	0.00
3 Months Ago 01-24-2023	95.28	4.52	0.21	0.00	0.00	0.00
Start of Calendar Year 01-03-2023	90.64	9.16	0.21	0.00	0.00	0.00
Start of Water Year 09-27-2022	69.23	17.83	9.11	3.70	0.14	0.00
One Year Ago 04-26-2022	81.37	17.40	1.24	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>

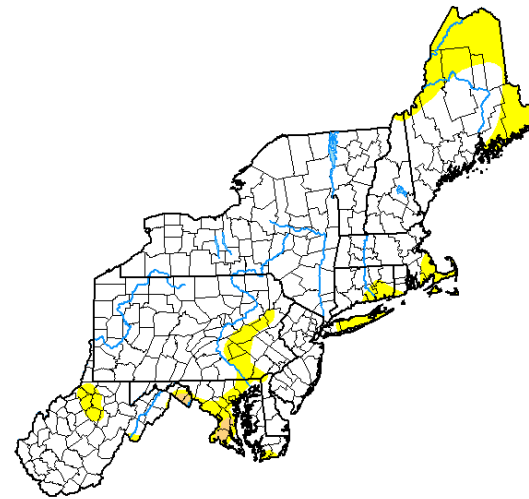
Author

Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast



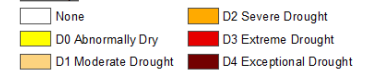
May 23, 2023

(Released Thursday, May 25, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	86.86	12.74	0.40	0.00	0.00	0.00
Last Week 05-16-2023	82.49	17.01	0.50	0.00	0.00	0.00
3 Months Ago 02-21-2023	96.42	3.58	0.00	0.00	0.00	0.00
Start of Calendar Year 01-03-2023	90.64	9.16	0.21	0.00	0.00	0.00
Start of Water Year 09-27-2022	69.23	17.83	9.11	3.70	0.14	0.00
One Year Ago 05-24-2022	84.88	12.88	2.24	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

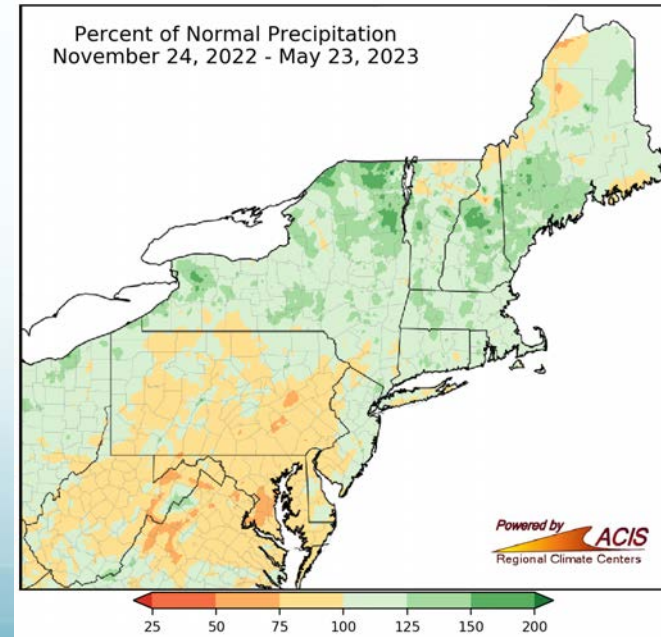
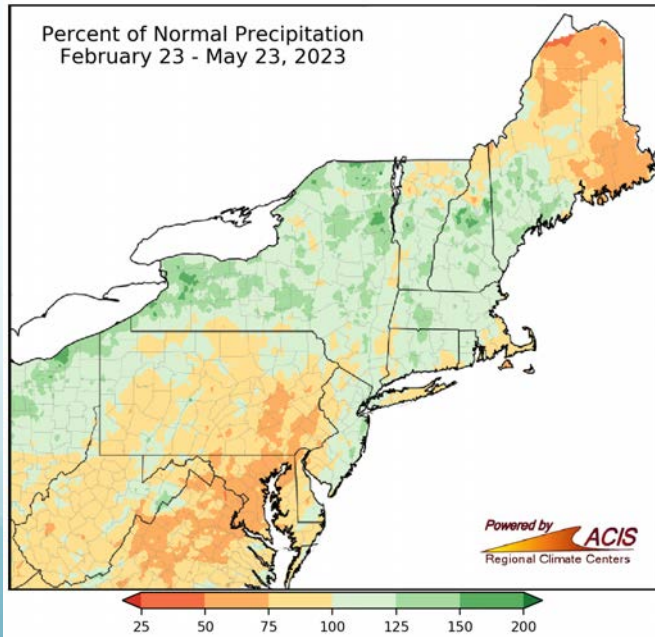
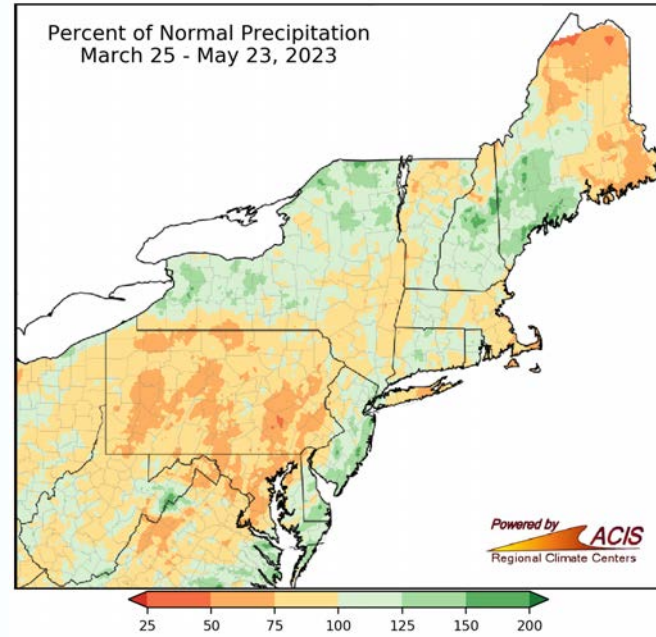
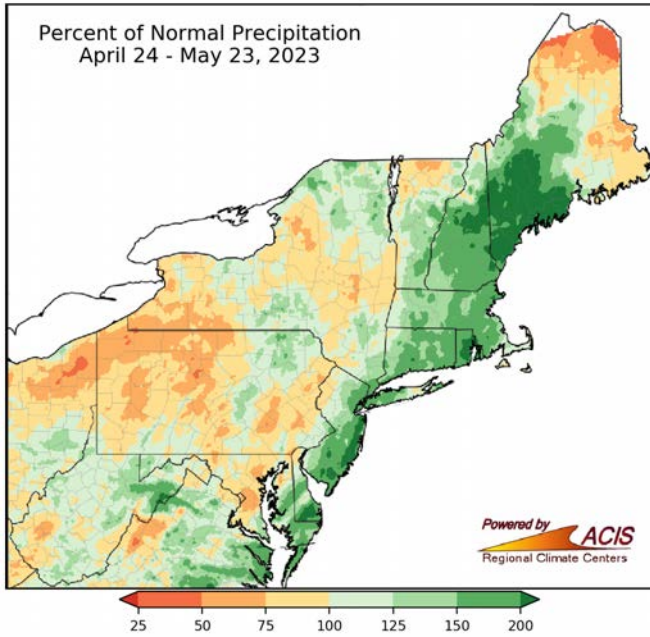
Brad Rippey
U. S. Department of Agriculture



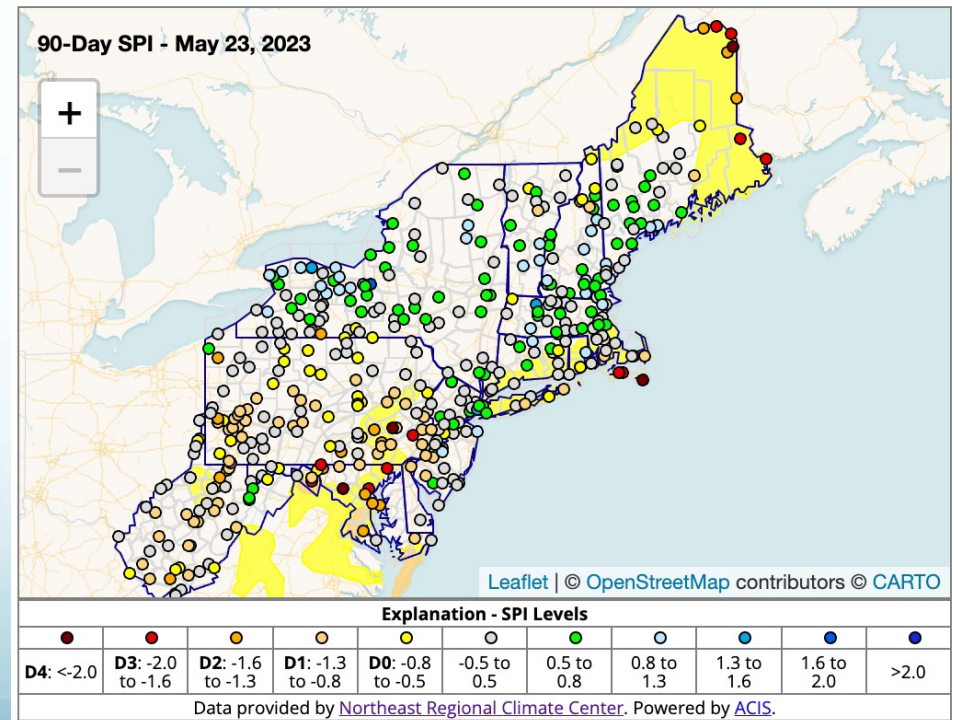
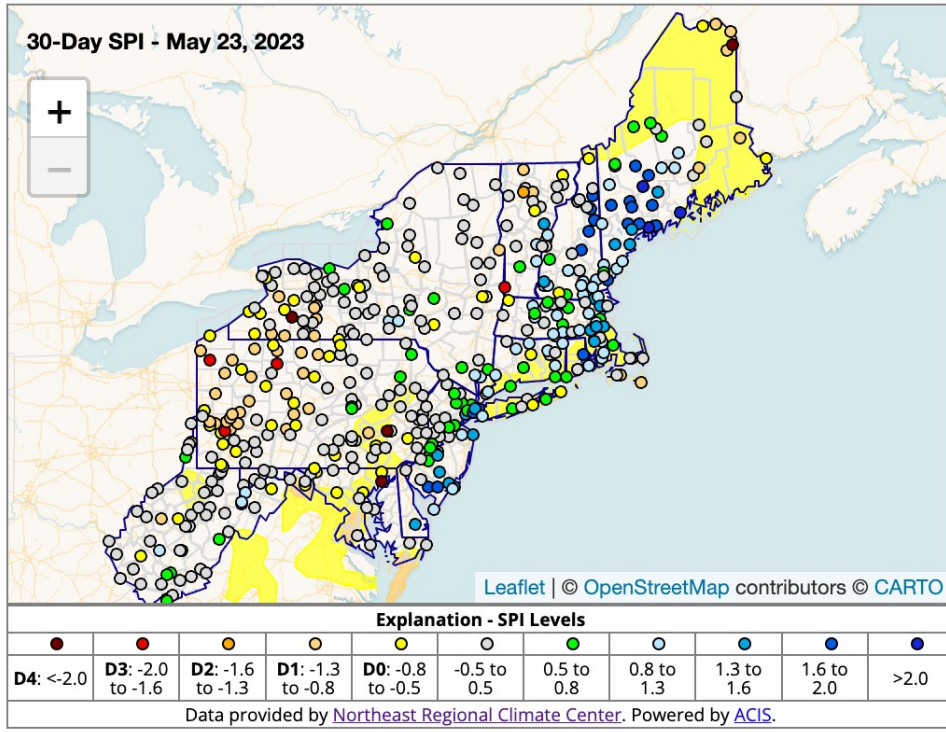
droughtmonitor.unl.edu



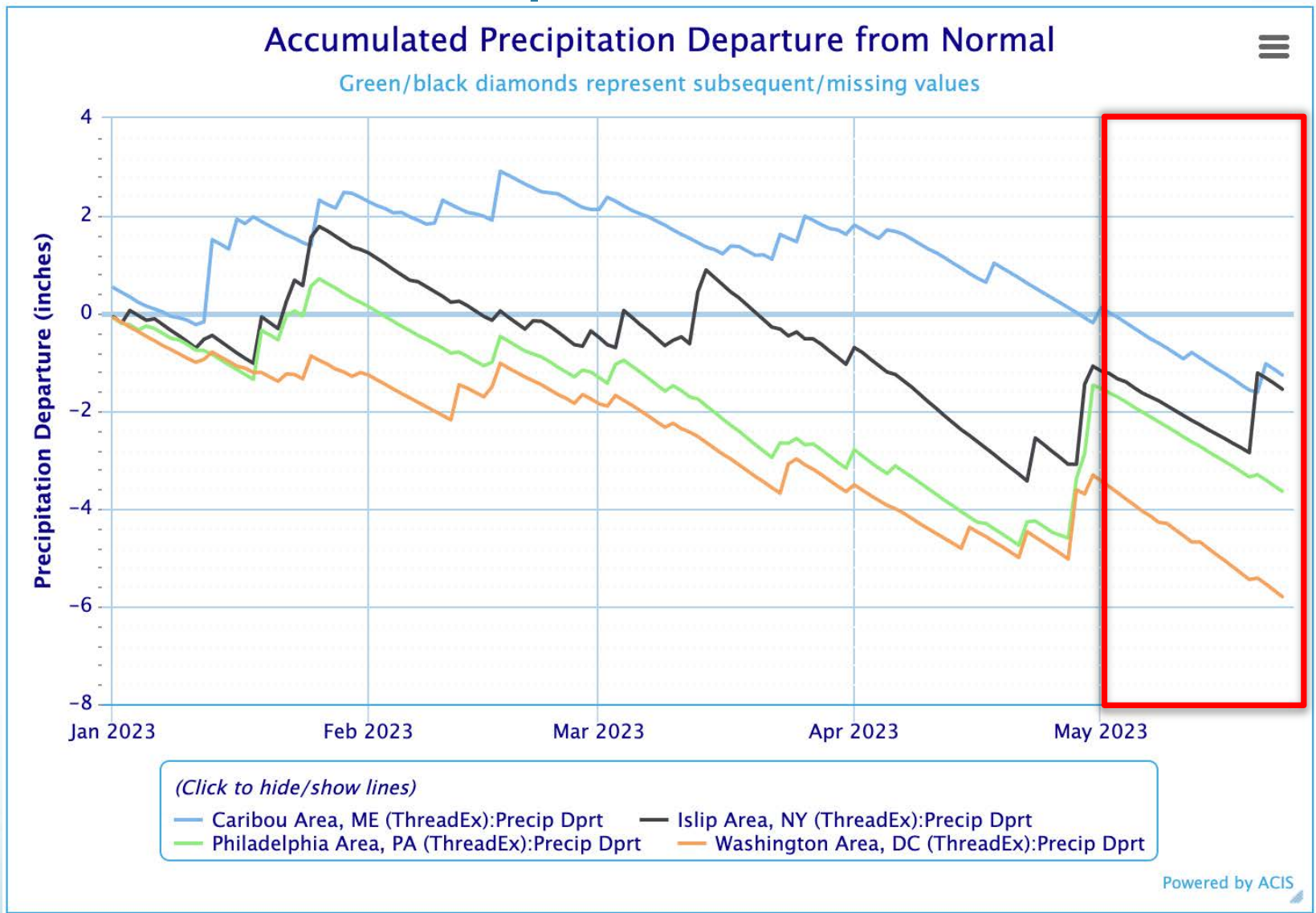
Precipitation



Standardized Precipitation Index

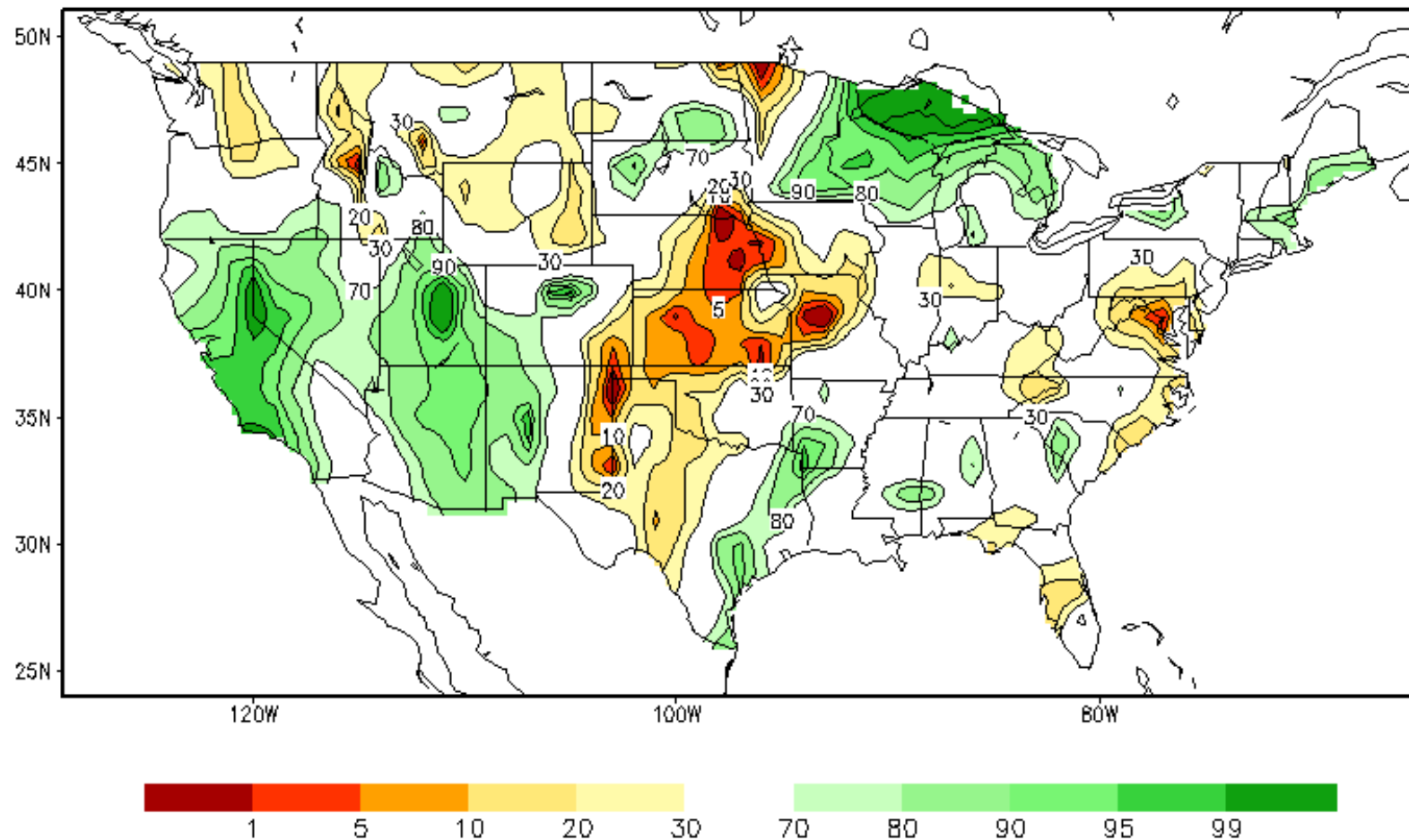


Precipitation



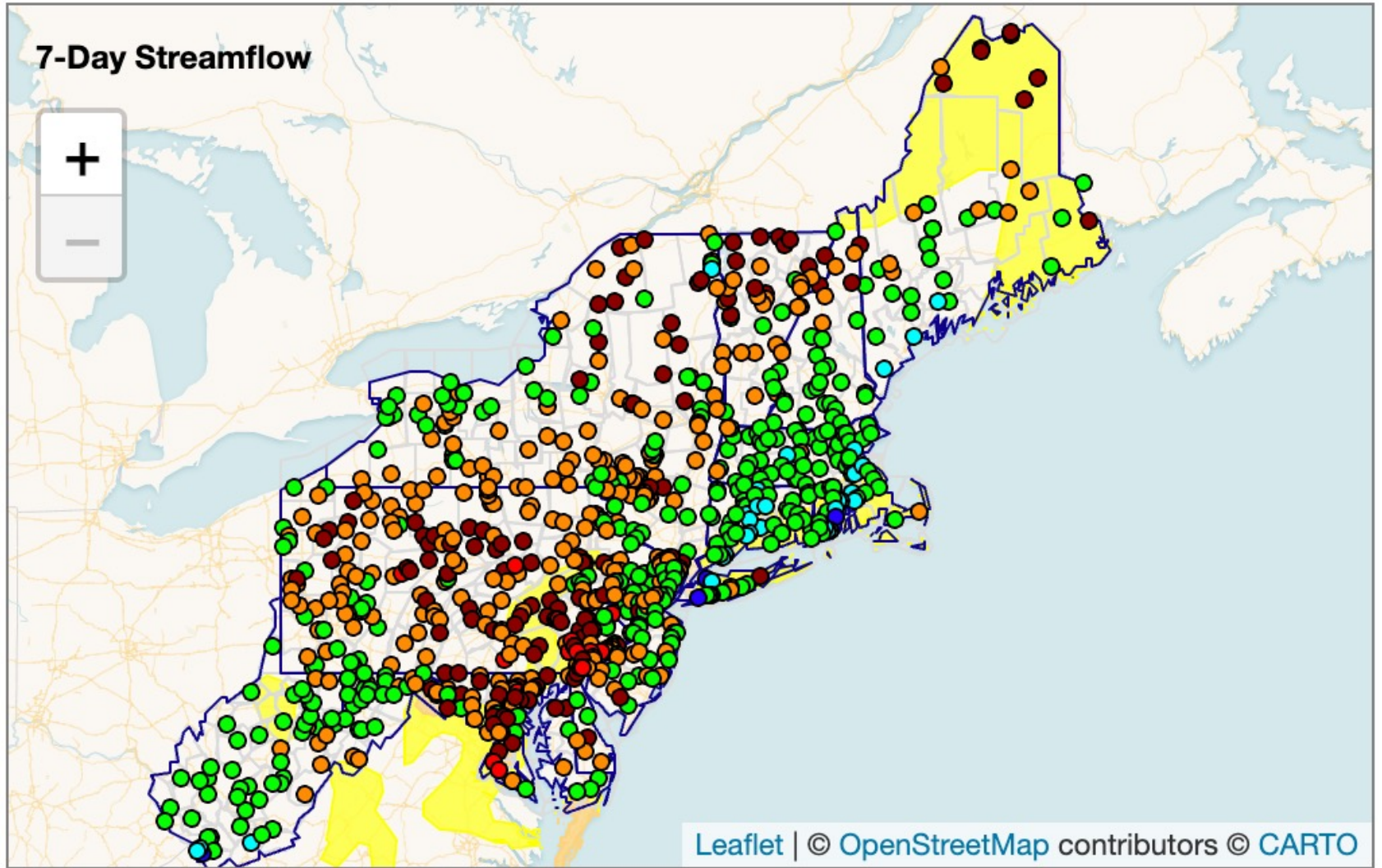
Soil Moisture

Calculated Soil Moisture Ranking Percentile
MAY 23, 2023



Courtesy of
NOAA CPC

Streamflow



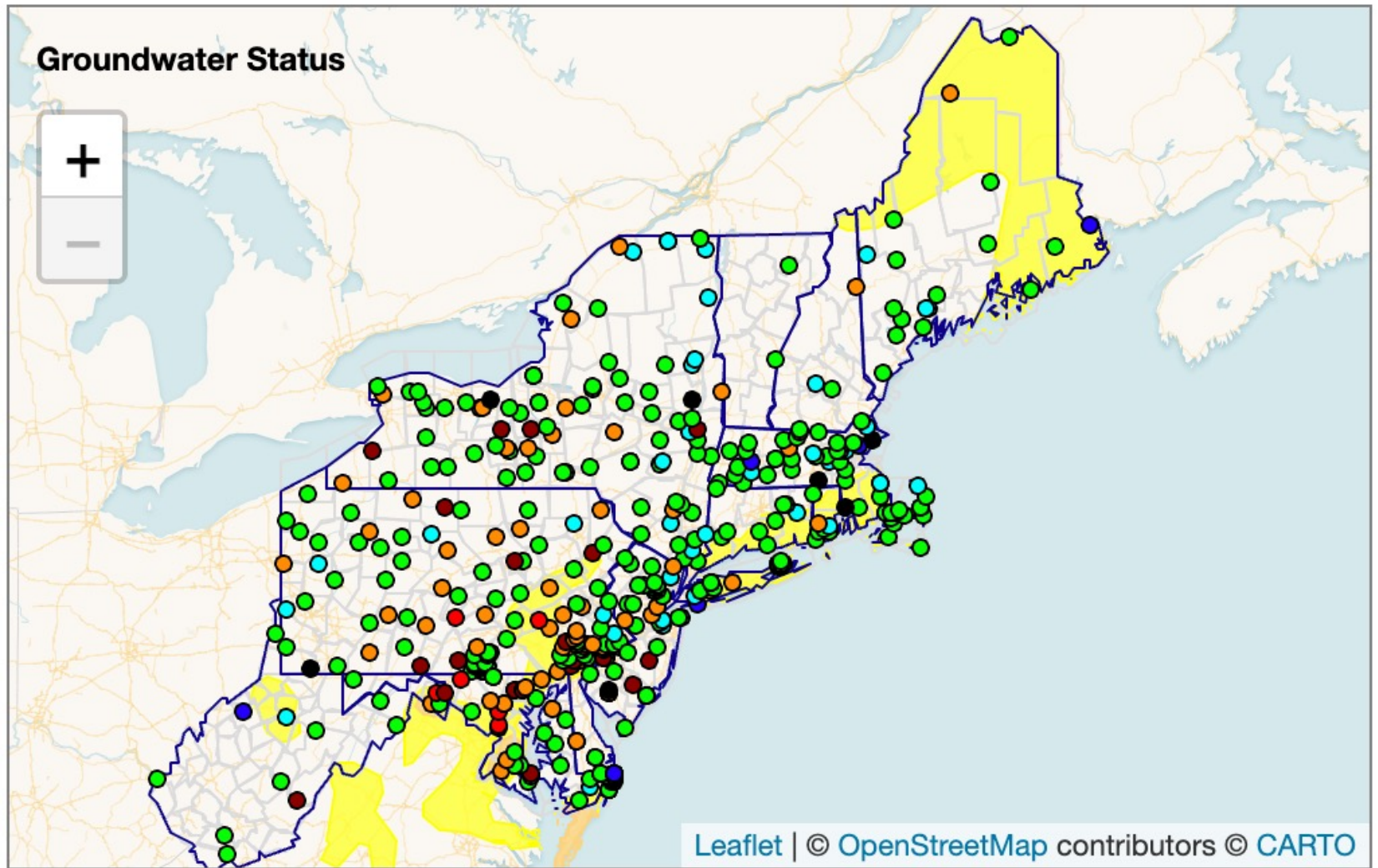
Explanation - Percentile Classes

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 2023-05-24.



Groundwater



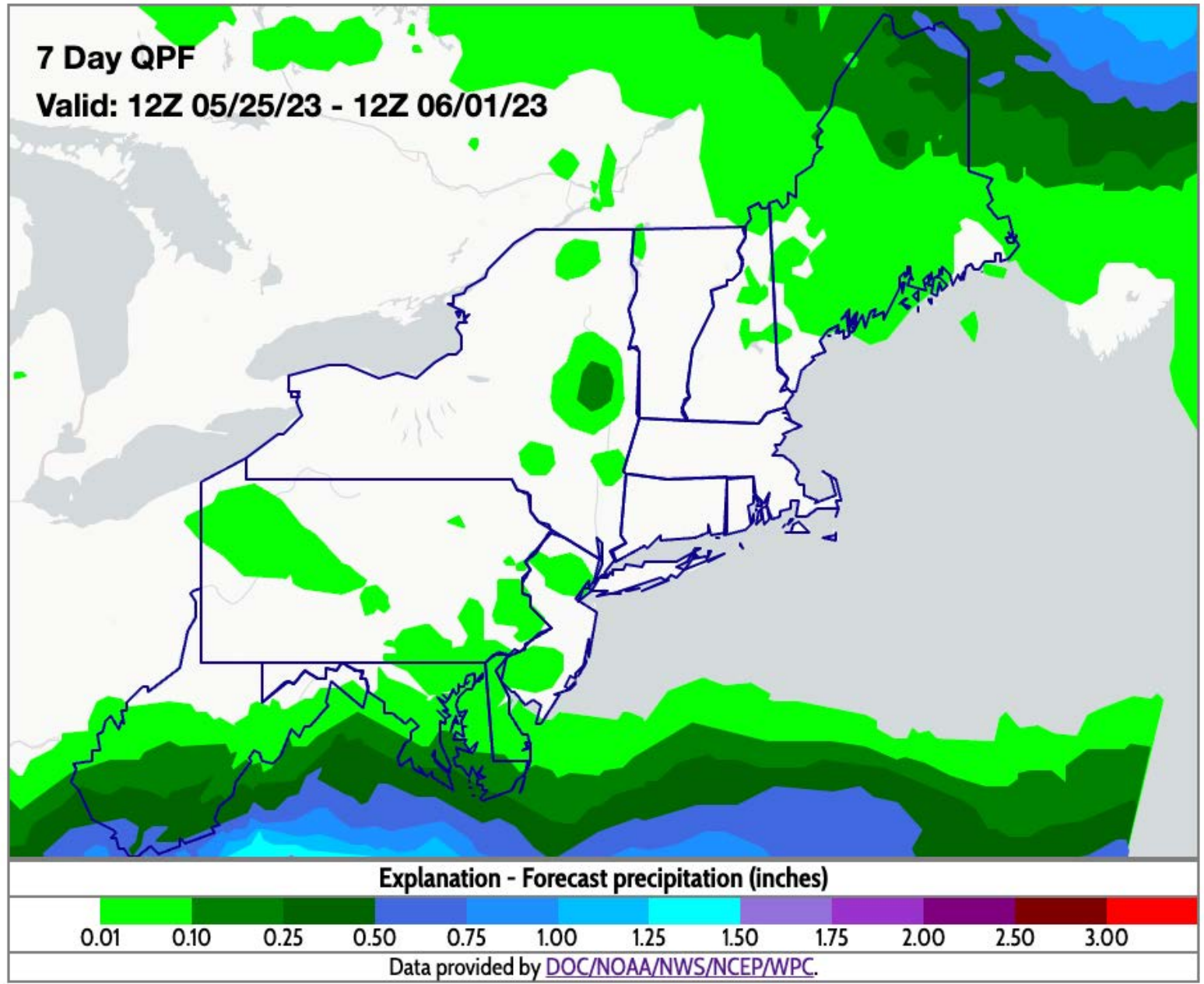
Explanation - Percentile Classes

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

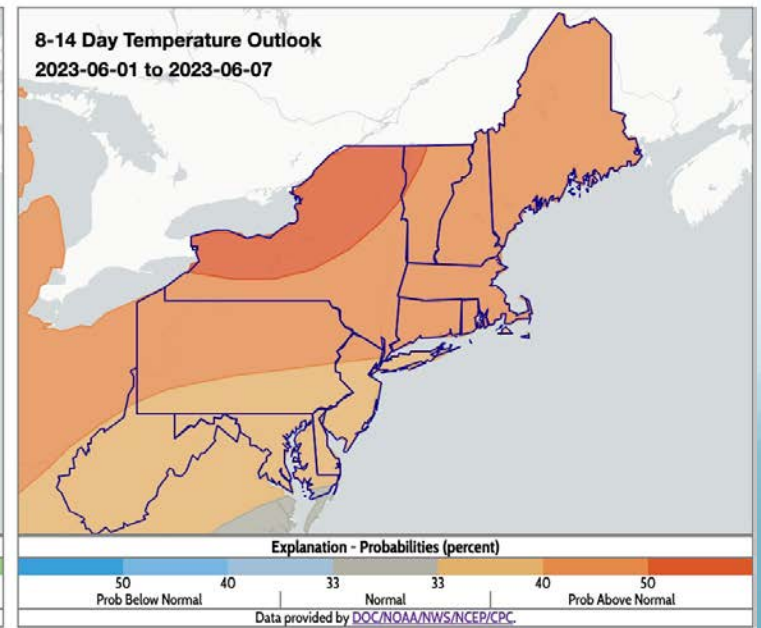
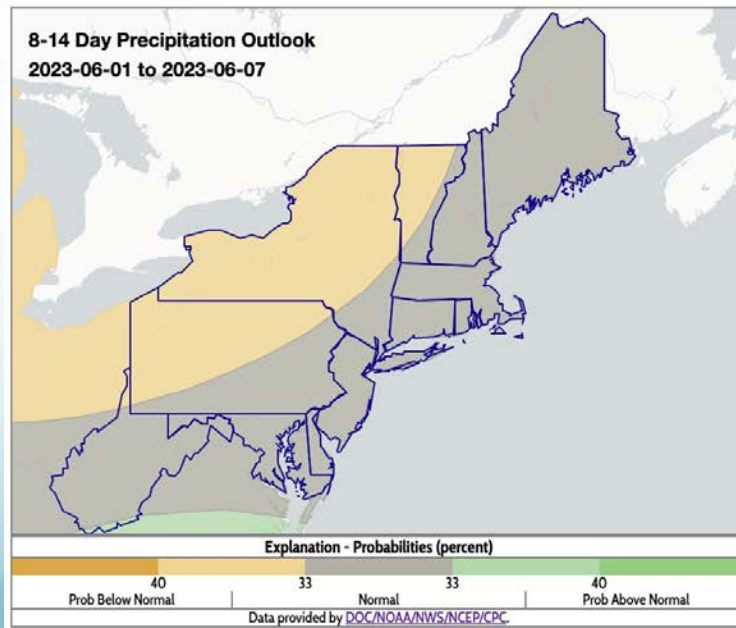
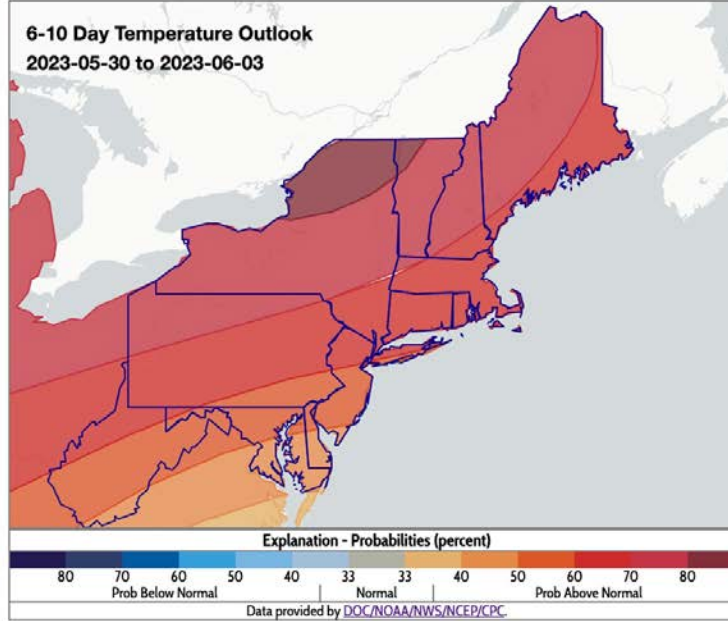
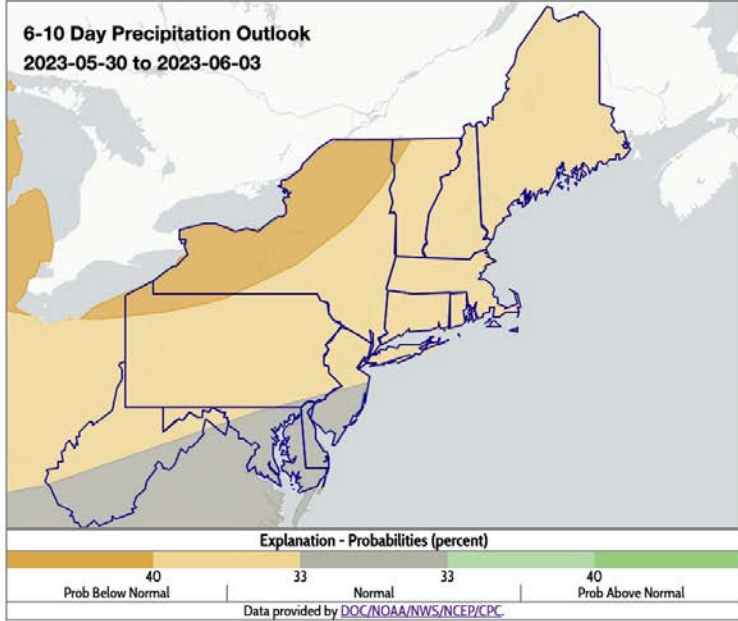
Data provided by [USGS Groundwater](#) - [About this map](#); updated 2023-05-24.



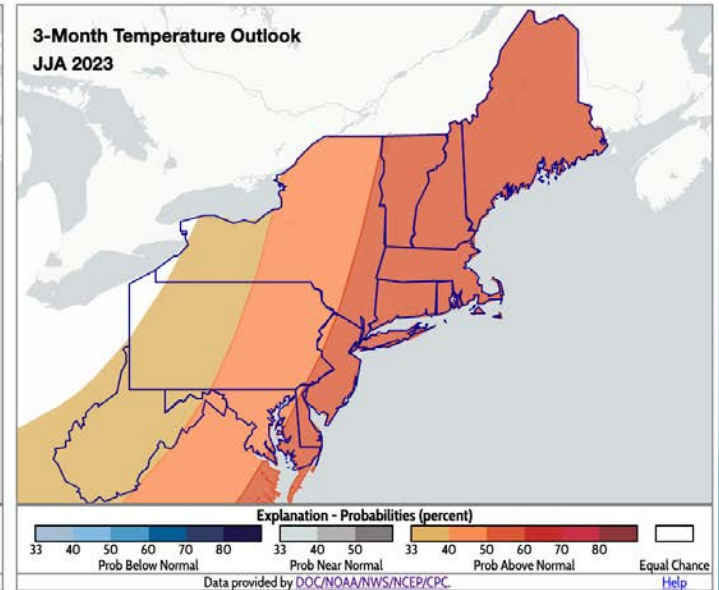
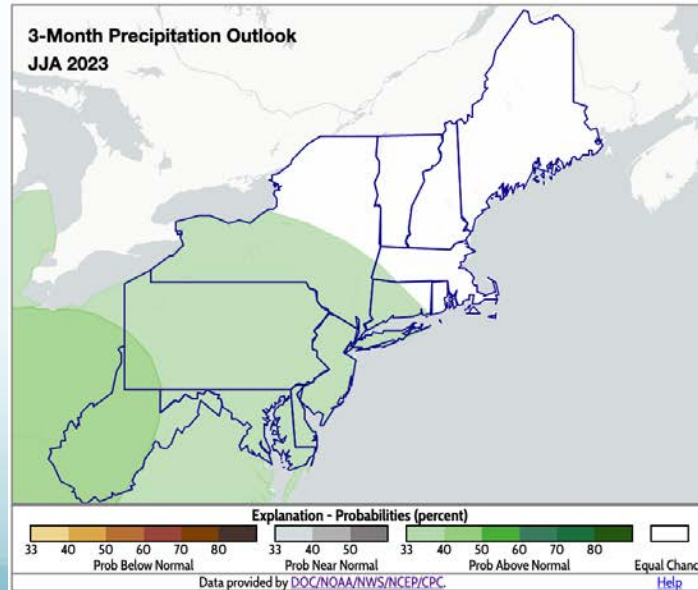
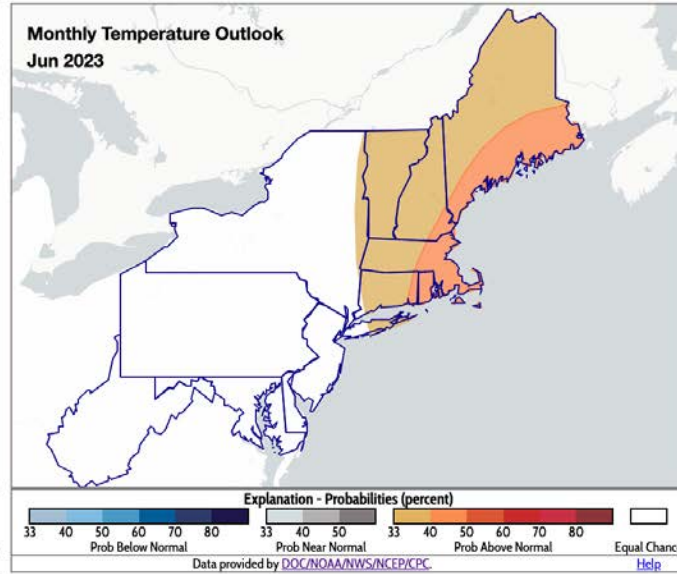
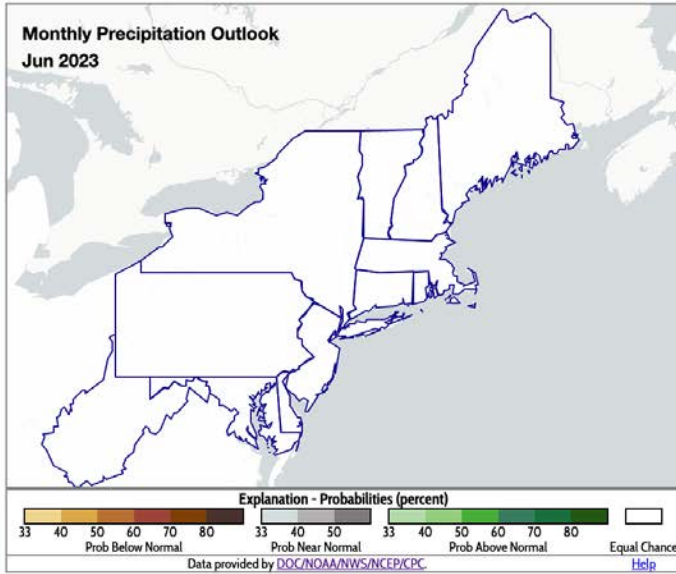
Precipitation Forecast



Short-term Outlooks



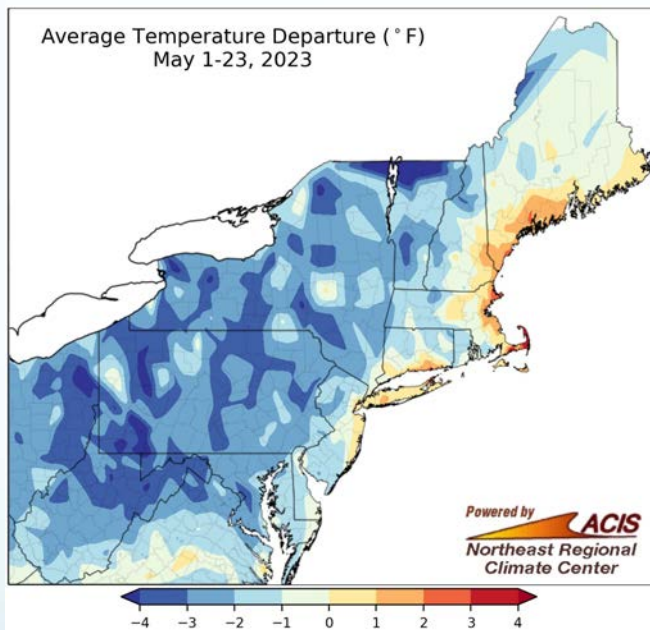
Monthly & 3-Month Outlooks



Summary

May-to-date conditions:

- Below or near-normal temperatures
- Below-or near-normal precip in multiple areas; wetter in parts of WV and New England



Drought:

- Moderate drought and abnormal dryness contracted in the Northeast

Outlooks:

- Short-term: below- or near-normal precipitation and near- or above-normal temperatures favored for both periods
- June: Equal chances precipitation; above-normal temperatures for New England
- Summer: Above-normal precipitation for many areas outside northern New England; above-normal temperatures for most of the region



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, June 29 at 9:30am EDT
 - Heat Health Pilots Around the U.S.
- Thursday, July 27 at 9:30am EDT
 - Drought.gov Update
- Thursday, August 31 at 9:30am EDT
 - Hurricane Season Update and Outlook
- Thursday, September 28 at 9:30am EDT
 - Maryland State Climatologist Office



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