

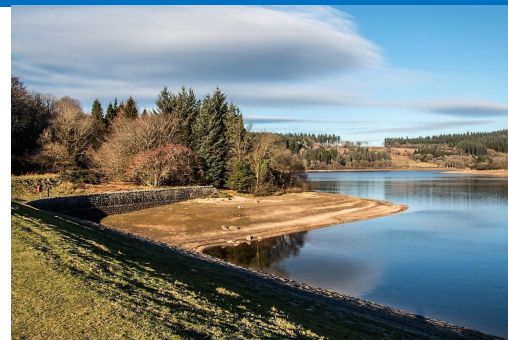


Drought Information Statement for Southern New England

Current Status, Impacts, and Outlook: 02/10/2025

Issued By: NWS Boston/Norton, MA

Contact information: box.webmaster@noaa.gov

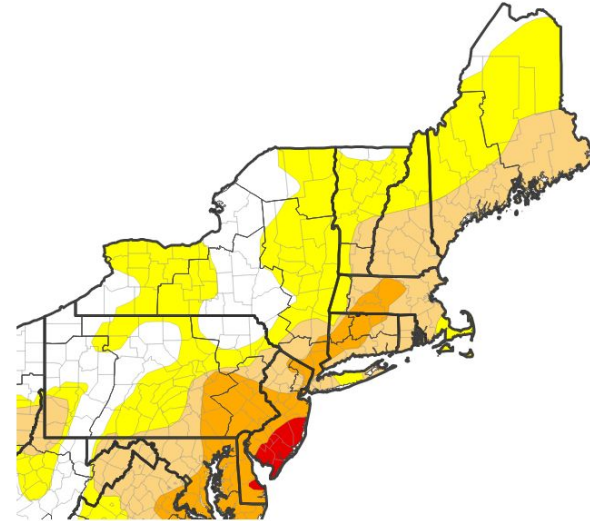


U.S. Drought Monitor

Latest U.S. Drought Monitor Map

- **D2 Severe Drought**
 - West/Central MA
 - Western CT
- **D1 Moderate Drought**
 - Eastern MA and RI
- **D0 Abnormally Dry**
 - Extreme western MA, southeast MA, Cape/Islands

U.S. Drought Monitor



U.S. Drought Monitor



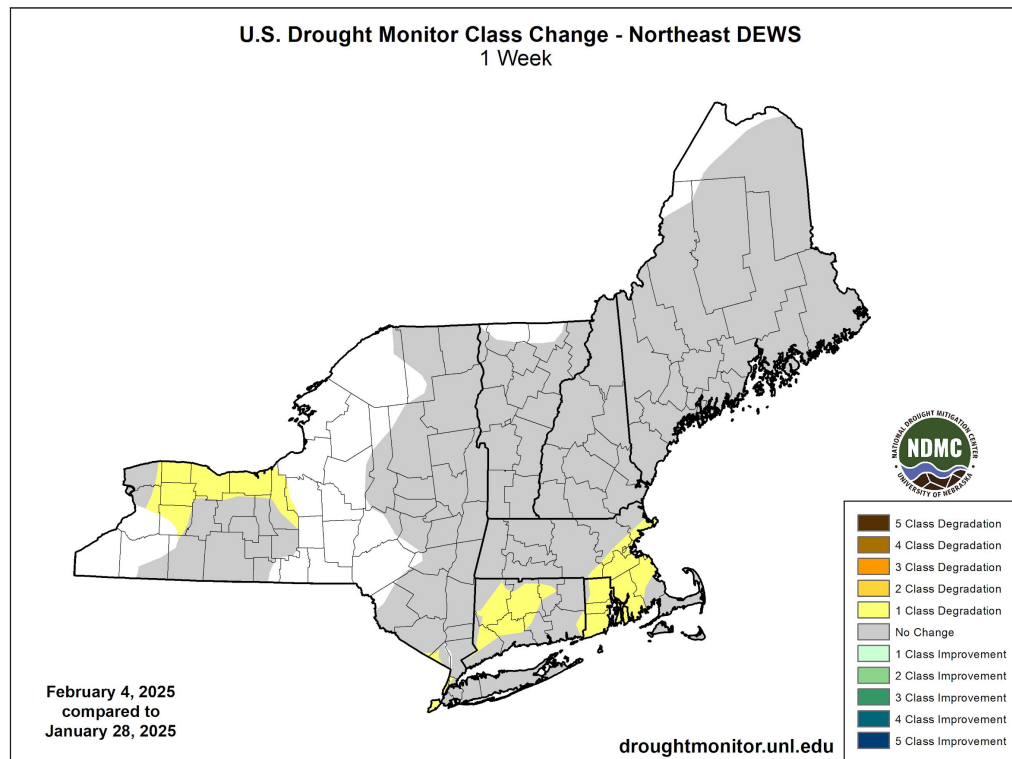
Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 02/04/25

Recent Change in Drought Intensity

1-Week Drought Monitor Class Change

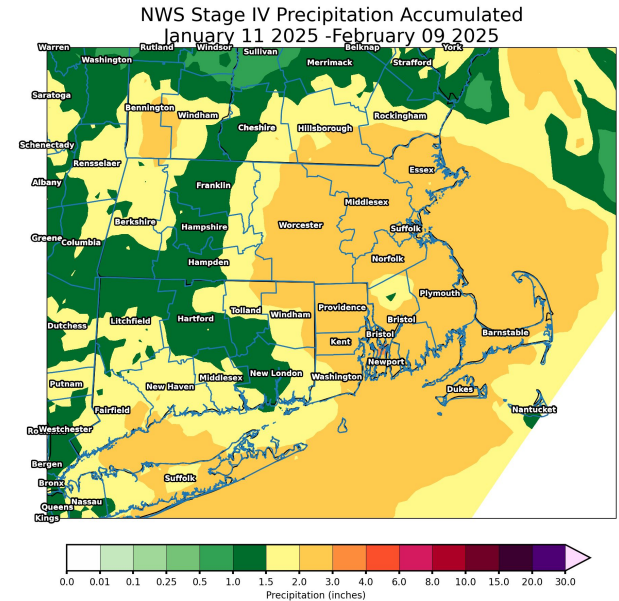
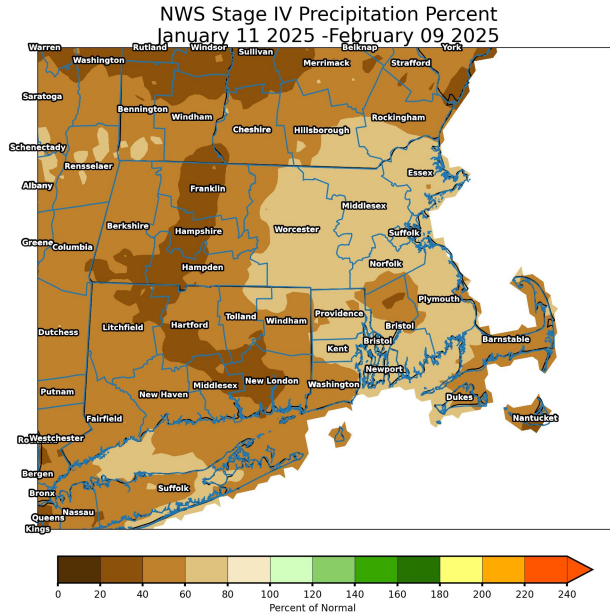
- **Drought Worsened: 1 class degradation for RI, western CT, and portions of southeastern MA**
- **Drought Improved: No improvements**



Observed Precipitation

Main Takeaways

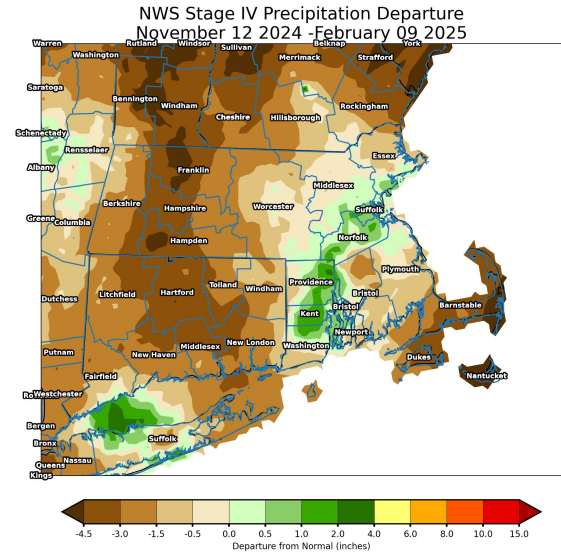
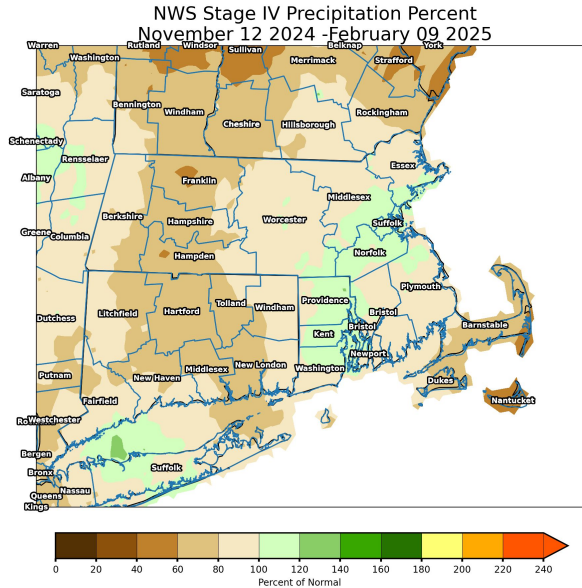
- 30 day rainfall accumulations ranging from 1 to 3 inches
- Eastern MA has received 60 to 80 percent of normal rainfall over the last 30 days
- Greater deficits across western MA, Cape Cod, and The Islands where only 20 to 60 percent of normal precipitation has been observed over the last 30 days



3 Month Departures and Percent of Normal

Main Takeaways

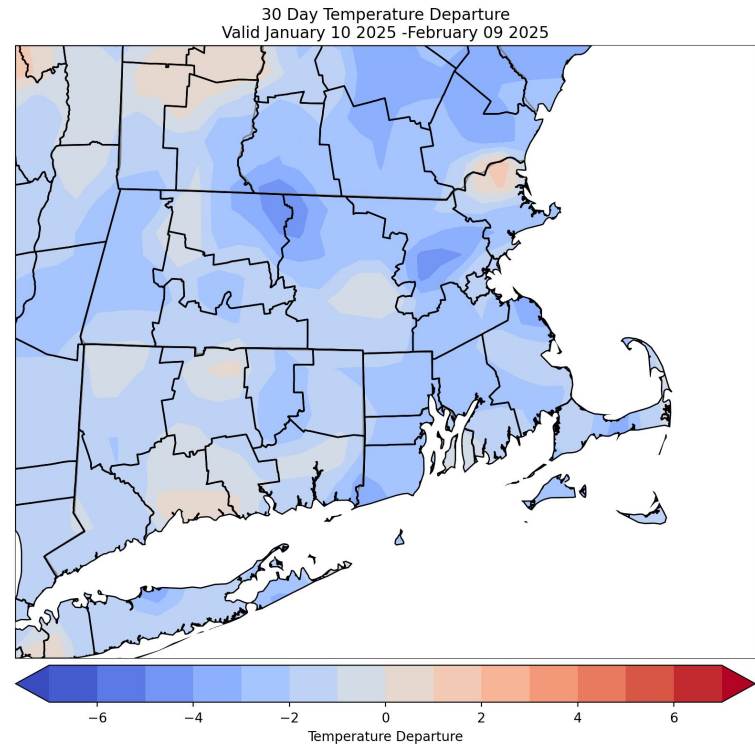
- 90 day precipitation departures ranging from 1.5 to 3 inches below normal across western MA, southeast MA, and Cape/Islands
- Positive departures across portions of eastern MA and most of RI
- Southern New England ranging from 60 to 120 percent of normal over the last 90 days with greatest deficits across western MA/CT



Observed Temperature

Main Takeaways

- Averages temperatures ranging from 2 to 4 degrees below normal over the last 30 days





Summary of Impacts

Hydrologic Impacts

- Streamflow values have fallen to well below normal levels across most of southern New England
- Groundwater levels are also substantially below normal with only a few wells in the normal range across southeastern MA.

Agricultural Impacts

- There are no known impacts at this time

Fire Hazard Impacts

- None at this time

State Drought Declarations

- On February 7th, MA raised the Central and Northeast MA regions to a Level – 3 Critical Drought. The Southeast, Cape and Islands regions have been elevated to a Level – 2 Significant Drought. The Connecticut River Valley and Western regions still have their previous statuses: Level 2 – Significant and Level – 1 Mild Drought. Visit <https://www.mass.gov/info-details/drought-status> for more information
- CT declared a Stage 2 Drought Advisory for all of CT on November 9th which remains in effect.
- RI issued a statewide Drought Advisory on December 4th which remains in effect. Details can be found in [this press release](#).

Mitigation actions

- Please refer to your municipality and/or water provider for mitigation information.

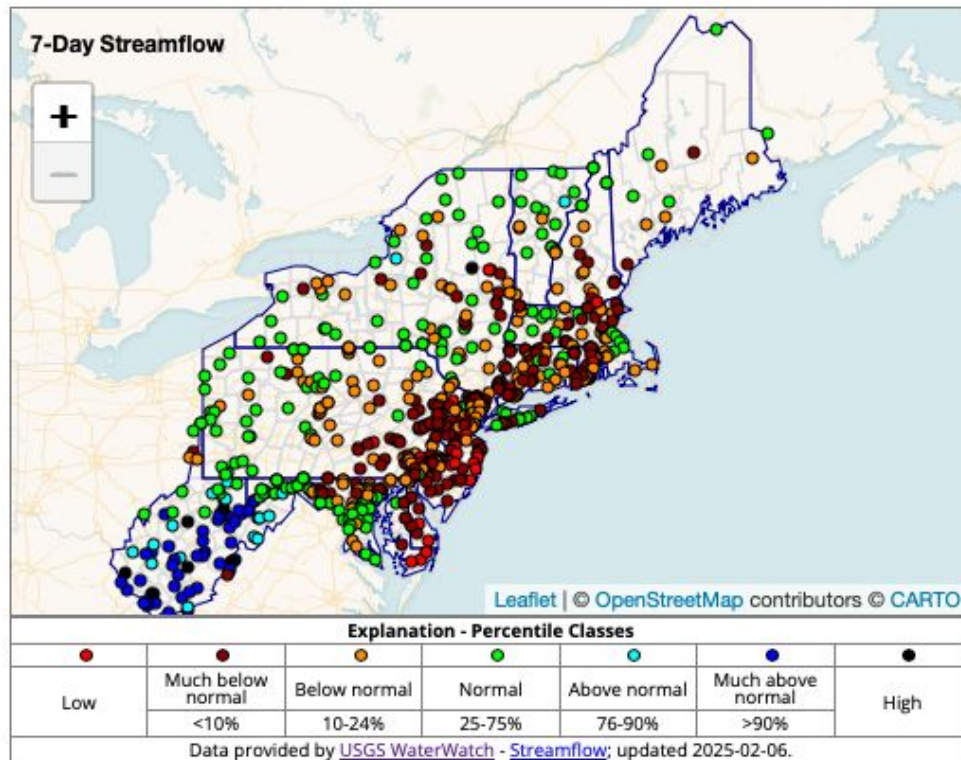


Hydrologic Conditions

7-Day Streamflow Percentile

Main Takeaways

- 7 day streamflow levels ranging from below to much below normal for most of southern New England

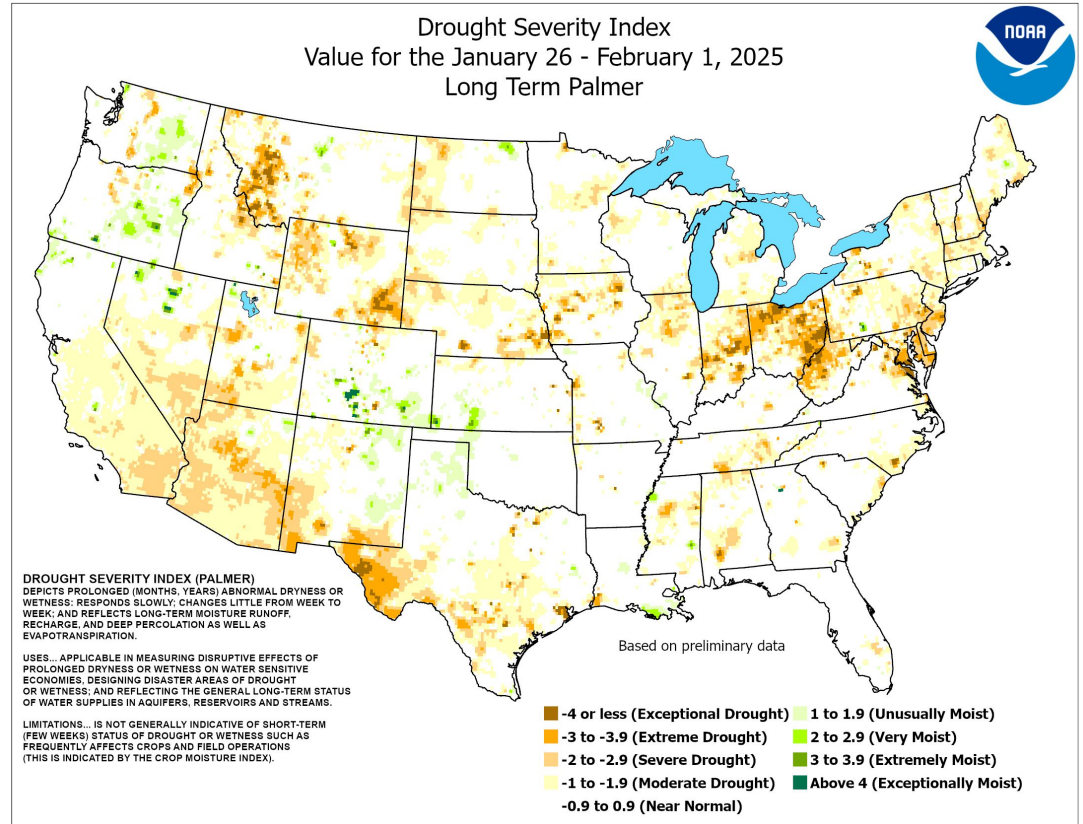


Agricultural Impacts

Palmer Drought Severity Index

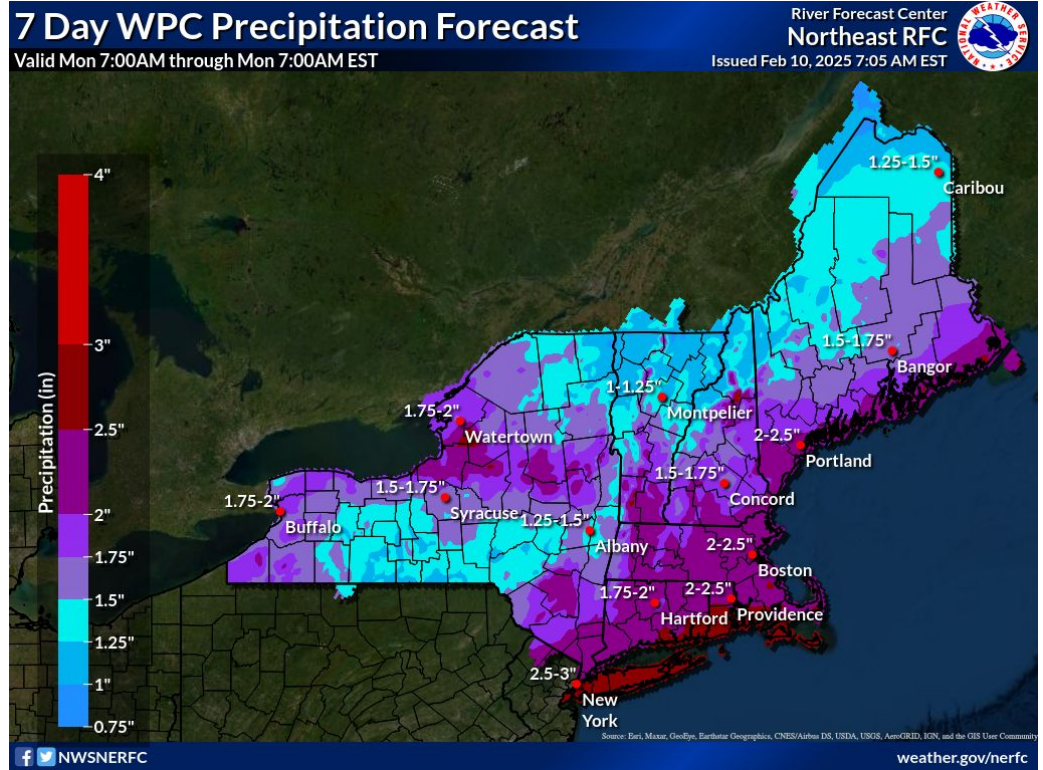
Main Takeaways

- Most of MA ranging from PDSI between -1 and -2.9 highlighting continued longer term dryness in the state
- Most of RI still considered to be in the normal range (-0.9 to 1.9)
- This product does not capture short-term dry trends and changes slowly from week to week



Seven Day Precipitation Forecast

- Next 7 days:
 - 2 to 3 inches of liquid precipitation possible over next 7 days
 - Precipitation will come in two events
- First event Wed night/Thursday
 - 0.5-0.75"
- Second event Sat night/Sunday
 - Mixed precipitation event
 - 1.5 -2.0"



6-10 Day Outlook

Temperature and Precipitation Outlook

Main Takeaways

- Likely below normal temperatures for days 6 through 10 (02/15-02/19)
- Leaning above normal precipitation for days 6 through 10 (02/15-02/19)

Possible Impact

Precipitation deficits may improve or worsen depending on the amount of precipitation received

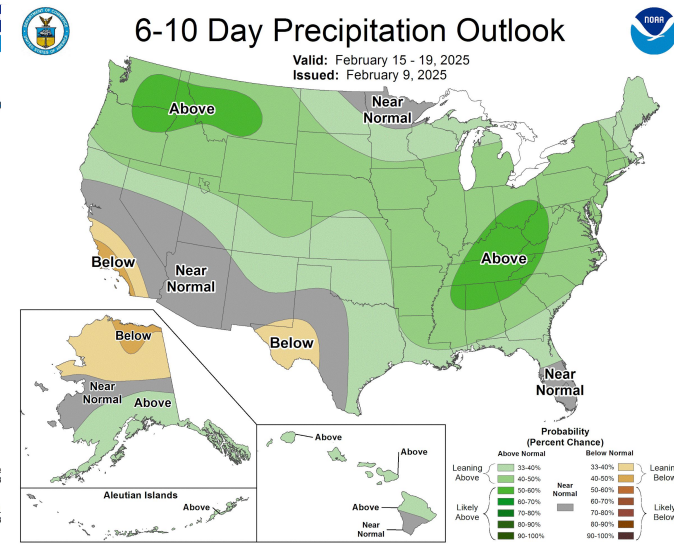
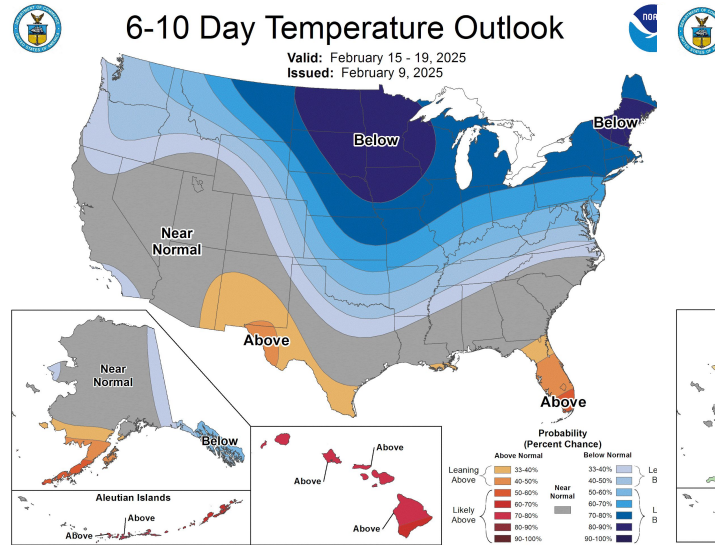


Image Captions:
Left - [Climate Prediction Center 6-10 Day Temperature Outlook](#),
Right - [Climate Prediction Center 6-10 Day Precipitation Outlook](#),
Valid February 15-19, 2025.

8-14 Day Outlook

Temperature and Precipitation Outlook

Main Takeaways

- Likely below normal temperatures for days 8-14 (02/17-02/23)
- Leaning near normal precipitation for days 8-14 (02/17-02/23)

Possible Impact

Precipitation deficits and drought conditions may improve with substantial precipitation

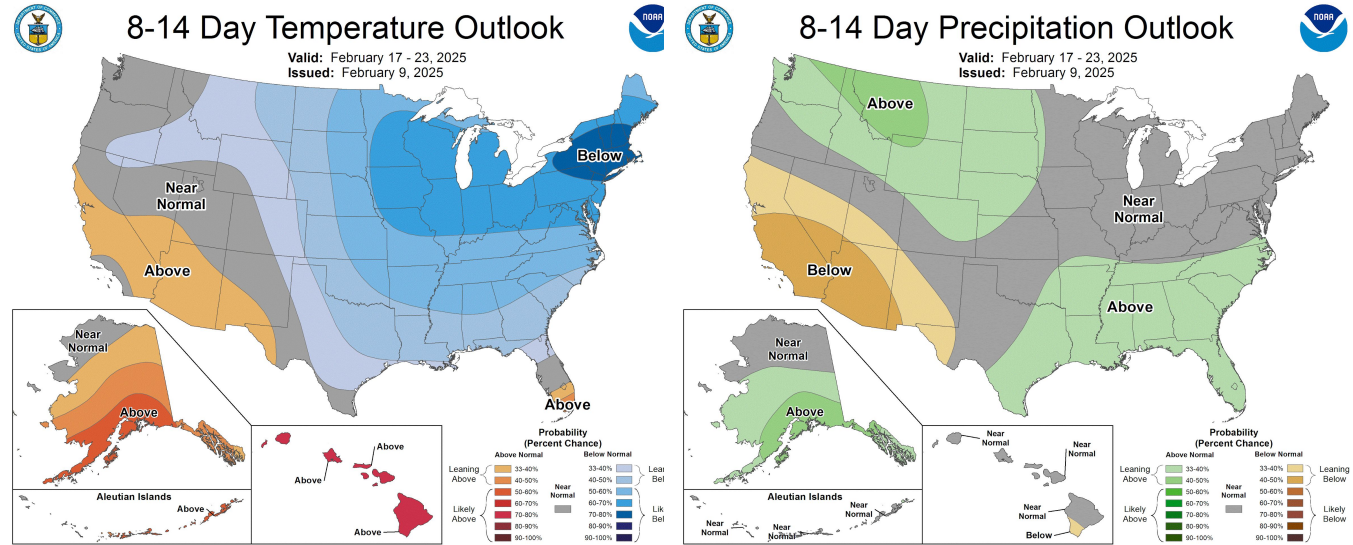


Image Captions:

Left - [Climate Prediction Center 8-14 Day Temperature Outlook](#).

Right - [Climate Prediction Center 8-14 Day Precipitation Outlook](#).

Valid February 17-23 2025

Weeks 3-4 Outlook

Temperature and Precipitation Outlook

Main Takeaways

- Leaning below normal temperatures and near normal precipitation through the 1st week of March

Possible Impact

Above normal precipitation may help improve rain/groundwater deficits

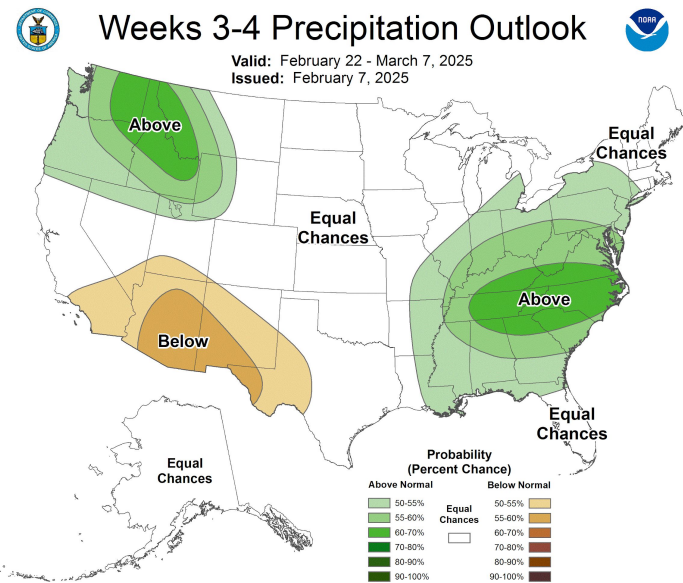
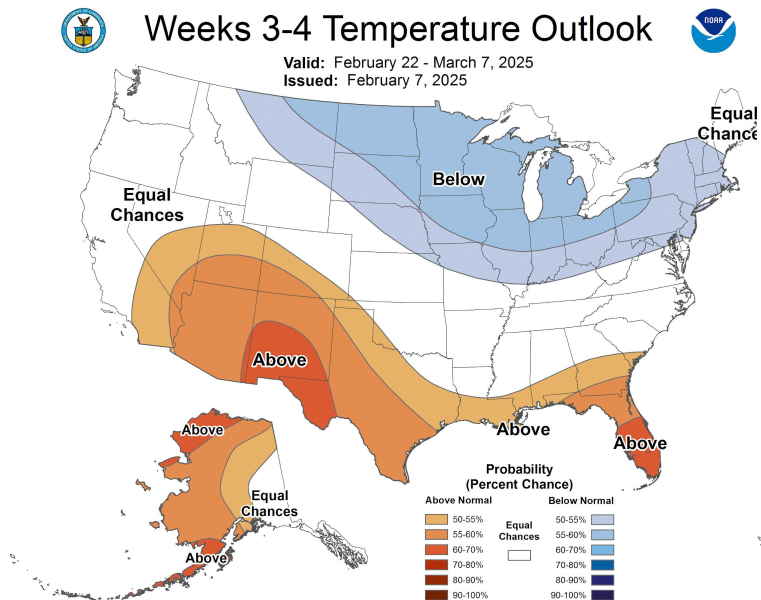


Image Captions:

Left - [Climate Prediction Center Weeks 3-4 Temperature Outlook.](#)

Right - [Climate Prediction Center Weeks 3-4 Precipitation Outlook.](#)

Valid February 8-21 2025

Seasonal Climate Outlook

Seasonal Temperature and Precipitation Outlook

Main Takeaways

- Higher chances for above above normal average temperatures for the Northeast between March-May
- Equal chances for above/below normal precipitation between March-May

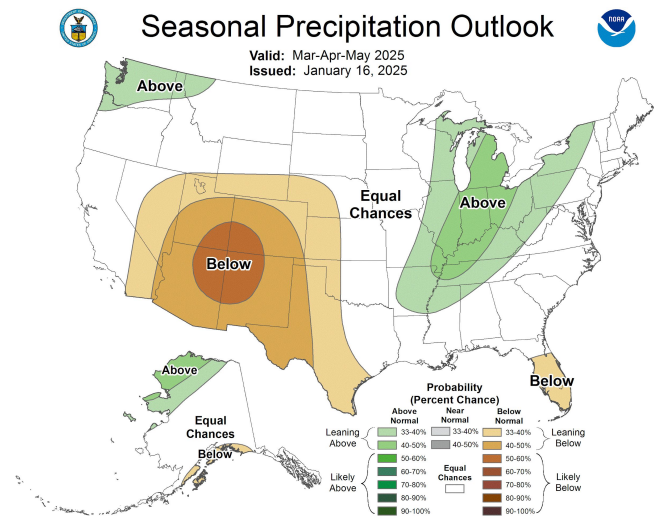
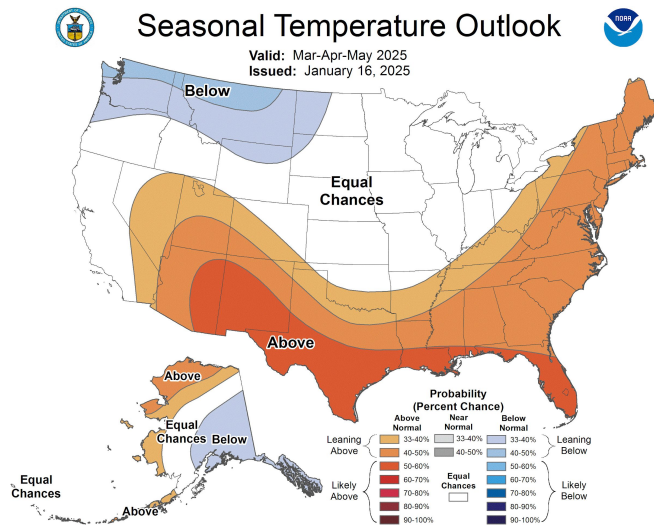


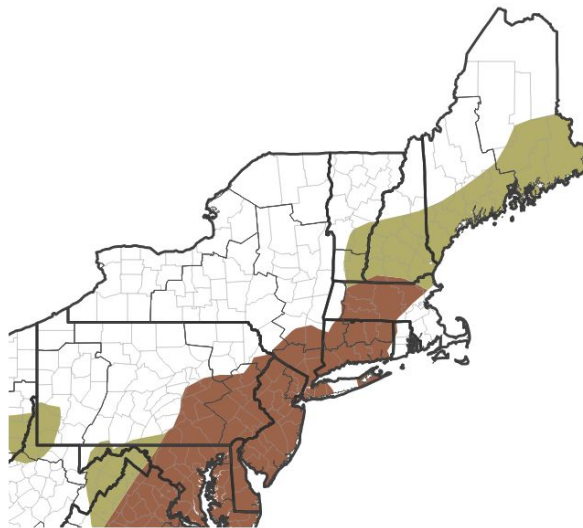
Image Captions:
Left - [Climate Prediction Center Seasonal Temperature Outlook](#).
Right - [Climate Prediction Center Seasonal Precipitation Outlook](#).
Valid 03 to 05 2025.

Drought Outlook

Main Takeaways

- 1 month outlook calls for drought persisting through the end of February for CT and/north central MA

1-Month Drought Outlook for February 1, 2025–February 28, 2025



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 01/31/25



More Information

Connecticut

- [Connecticut Drought Information Center](#)

Massachusetts

- [Massachusetts Drought Management Task Force](#)

Rhode Island

- [Rhode Island Water Resources Board](#)

