

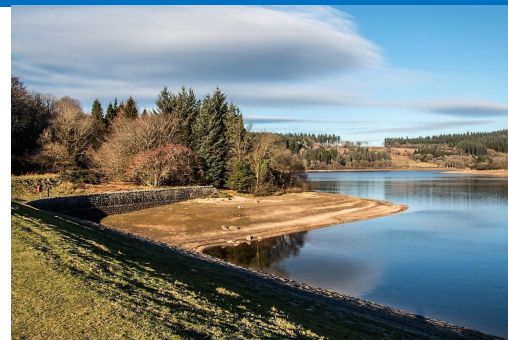


Drought Information Statement for Southern New England

Current Status, Impacts, and Outlook: 01/10/2025

Issued By: NWS Boston/Norton, MA

Contact information: box.webmaster@noaa.gov

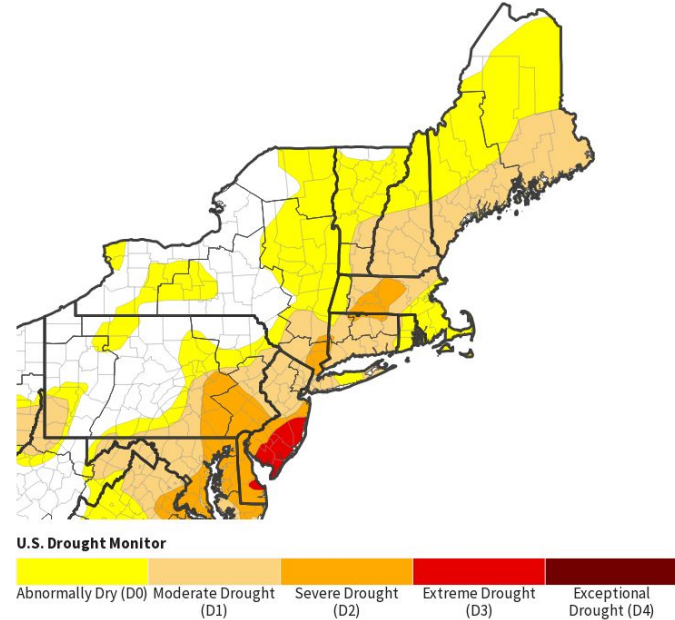


U.S. Drought Monitor

Latest U.S. Drought Monitor Map

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

U.S. Drought Monitor



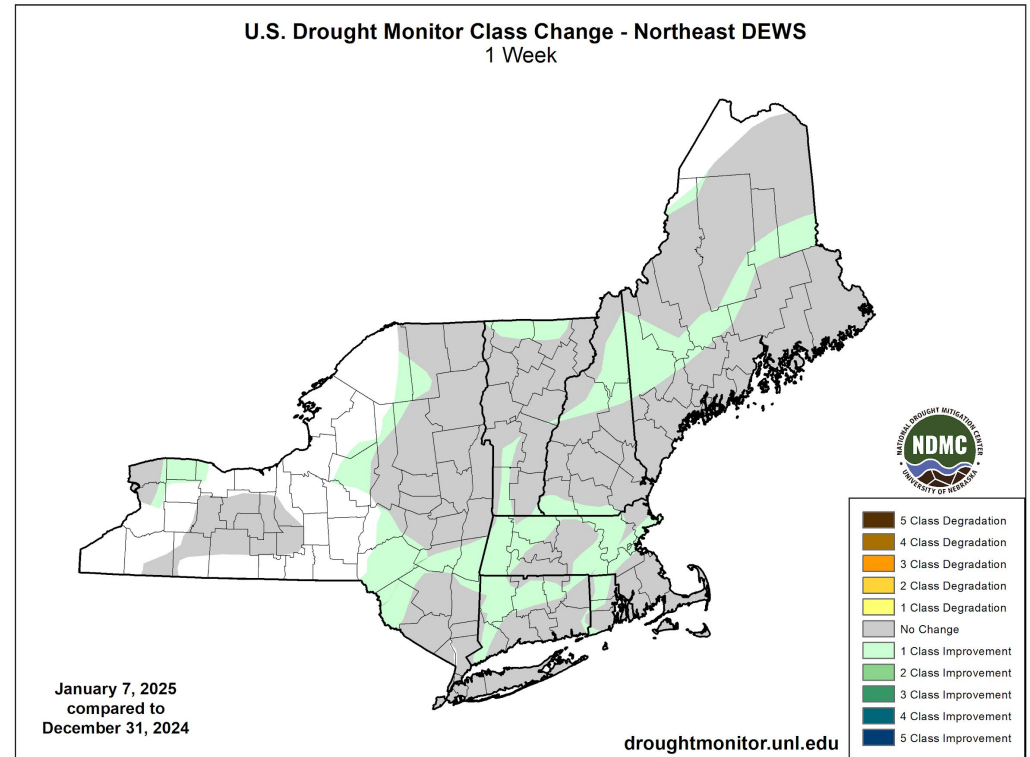
Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 01/07/25

Recent Change in Drought Intensity

1-Week Drought Monitor Class Change

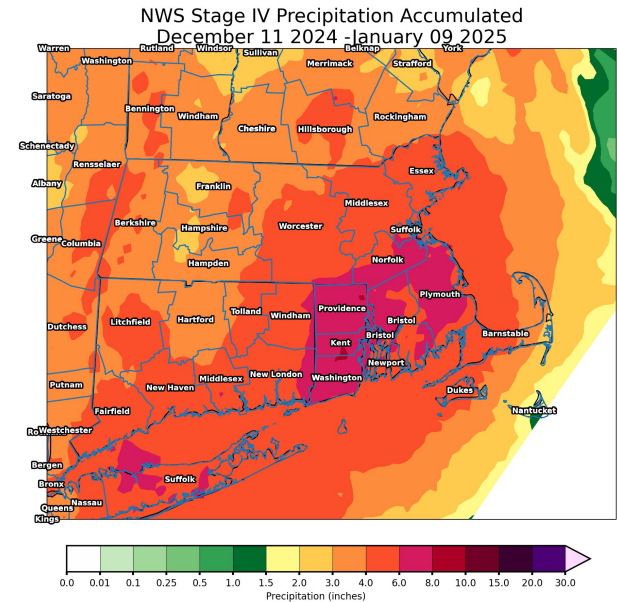
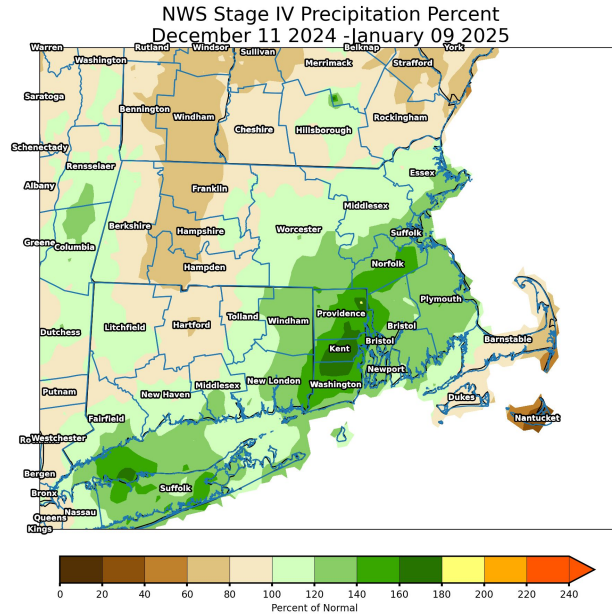
- **Drought Worsened:** No degradation
- **Drought Improved:** Improvements for northern RI, portions of MA and CT



Observed Precipitation

Main Takeaways

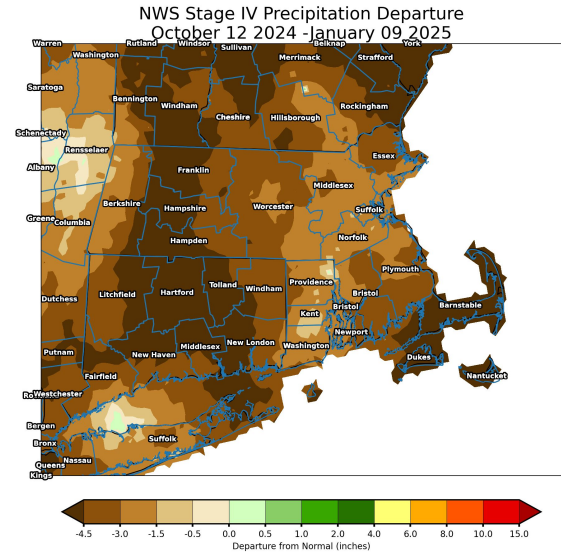
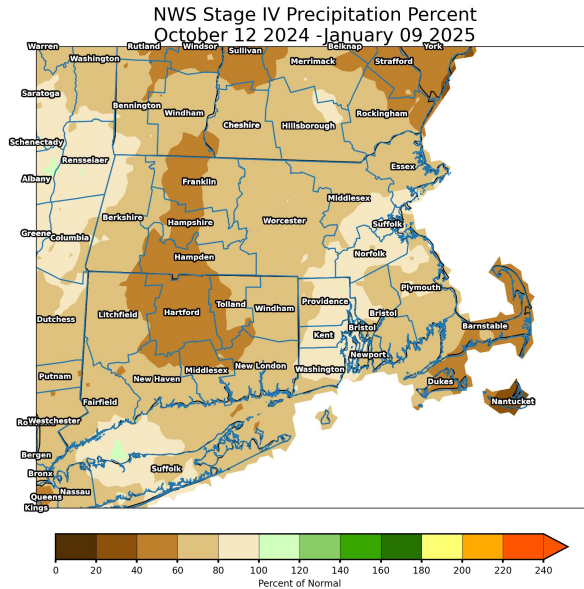
- 30 day rainfall accumulations ranging from 3 to 8 inches
- Majority of southern New England has received 100 to 160 percent of normal precipitation over the last 30 days
- Rhode Island has Received up to 180 percent of normal precip over the last 30 days
- Outer Cape, Nantucket, and portions of western MA below to slightly below normal



3 Month Departures and Percent of Normal

Main Takeaways

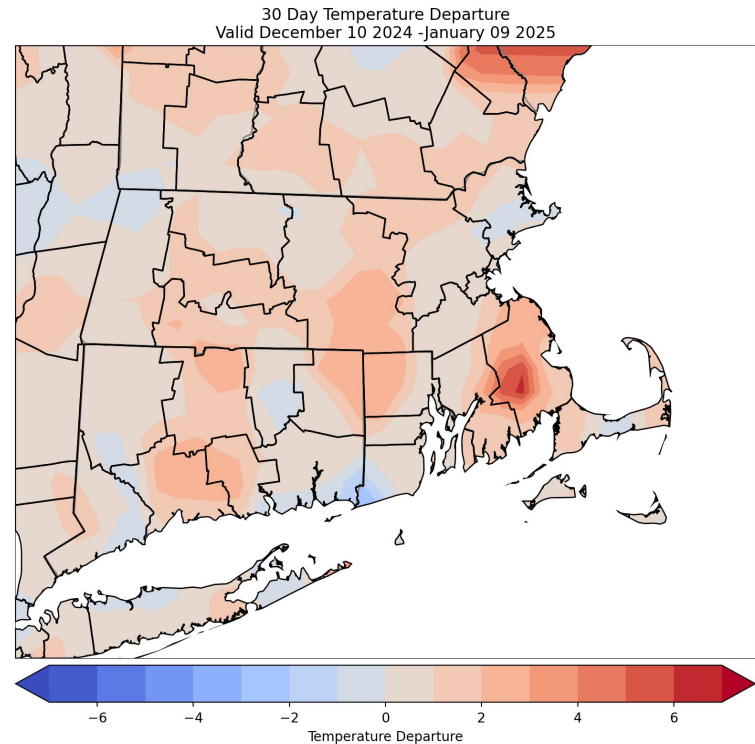
- 90 day precipitation departures are 1.5 to 4.5 inches or more below normal across much of southern New England
- 90 day accumulations only fall in the 40 to 80 percent of normal range across most of southern New England
- RI and portions of eastern MA in the 80 to 100 percent of normal range over the last 90 days



Observed Temperature

Main Takeaways

- Temperatures have been within 2 degrees normal for most of southern New England over the last 30 days





Summary of Impacts

Hydrologic Impacts

- Recent heavy precipitation has allowed streamflow levels to climb to near to above normal ranges
- About half of groundwater wells in southern New England are at near-normal levels while the other half are below to much below normal

Agricultural Impacts

- There are no known impacts at this time

Fire Hazard Impacts

- None at this time

State Drought Declarations

- On January 10th, MA reduced drought status from critical drought to significant drought for central and northeast MA. Extreme western MA, southeast MA, and Cape/Islands region remain in Mild Drought status.
- 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.

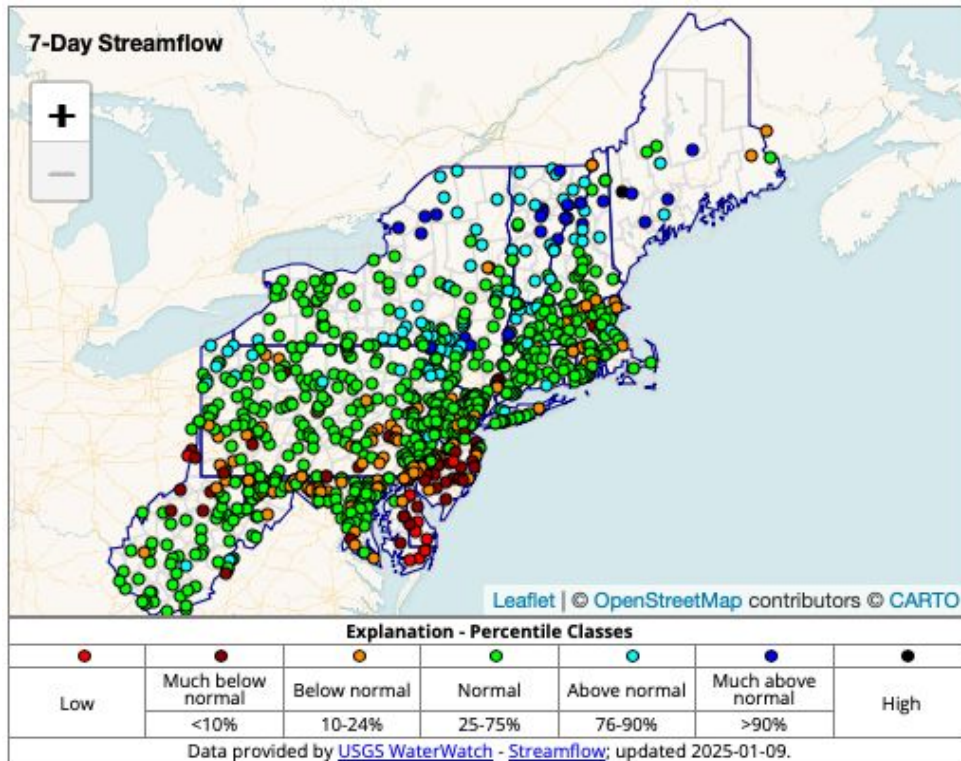


Hydrologic Conditions

7-Day Streamflow Percentile

Main Takeaways

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

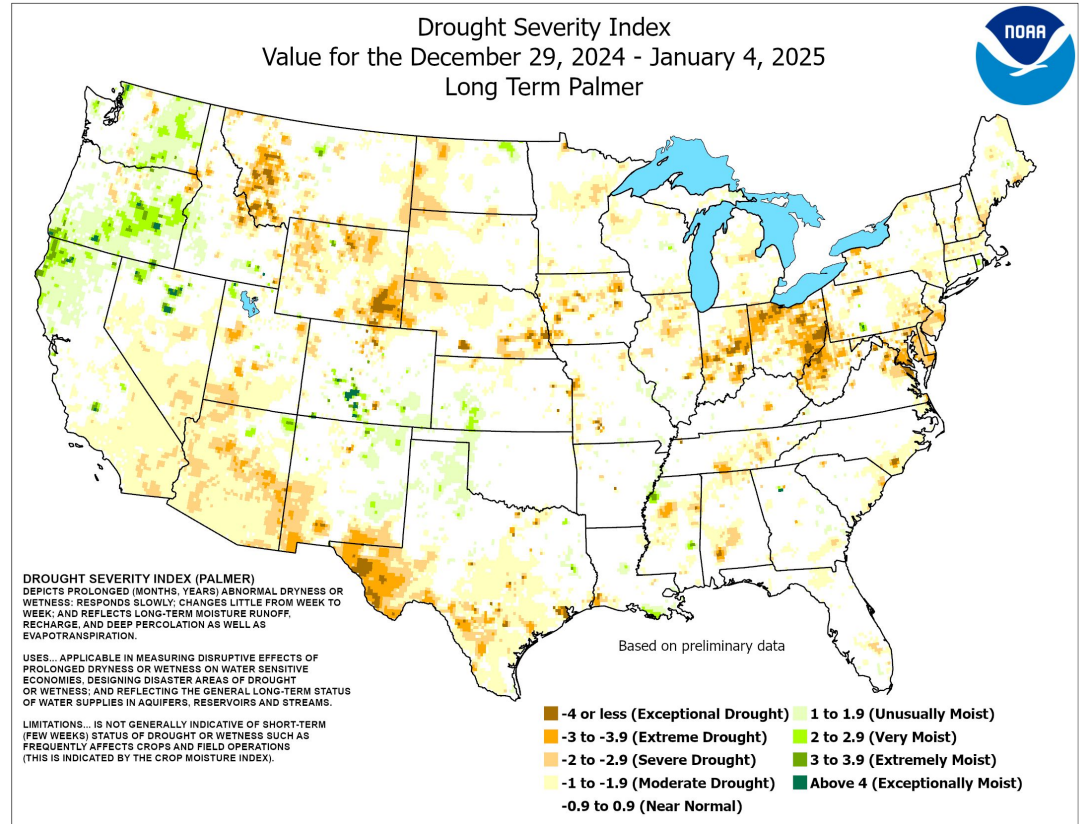


Agricultural Impacts

Palmer Drought Severity Index

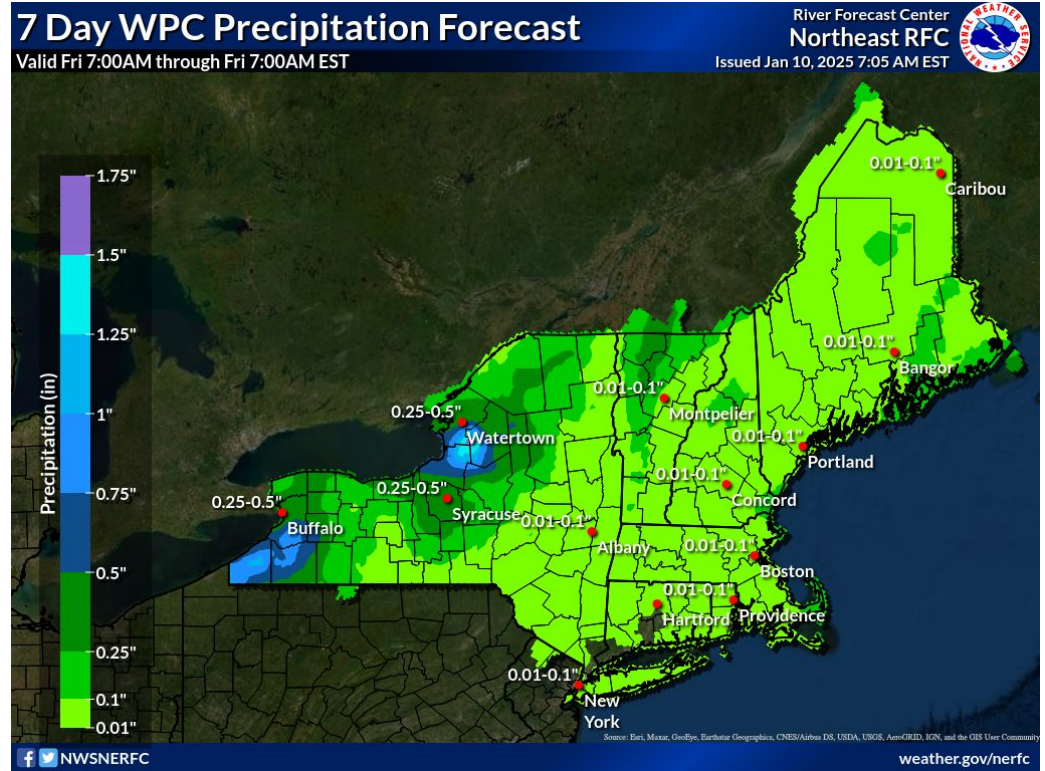
Main Takeaways

- 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) thanks to a wet end to the summer.
- This product does not capture short-term dry trends and changes slowly from week to week



Seven Day Precipitation Forecast

- Next 7 days:
 - No substantial precipitation forecast for the next 7 days
 - Up to 0.1 inches of liquid equivalent precipitation possible on Saturday 01/11.



6-10 Day Outlook

Temperature and Precipitation Outlook

Main Takeaways

- Near normal temperatures for days 6 through 10 (01/16-01/20)
- Near normal precipitation for days 6 through 10 (01/16-01/20)

Possible Impact

Precipitation deficits may worsen depending on the amount of precipitation received

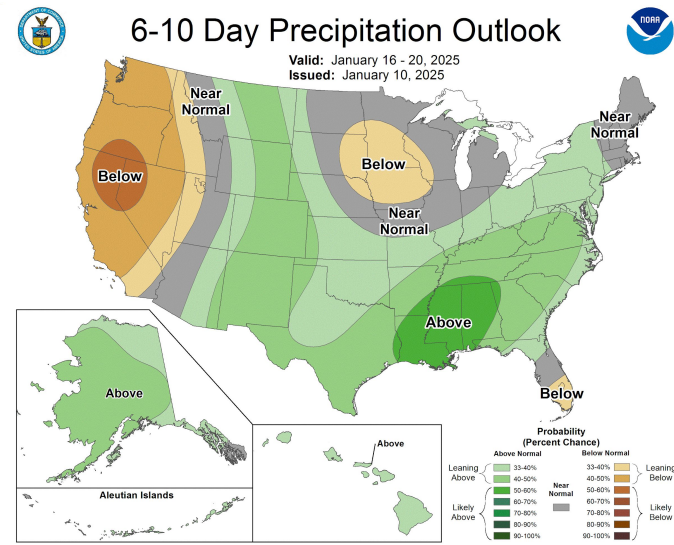
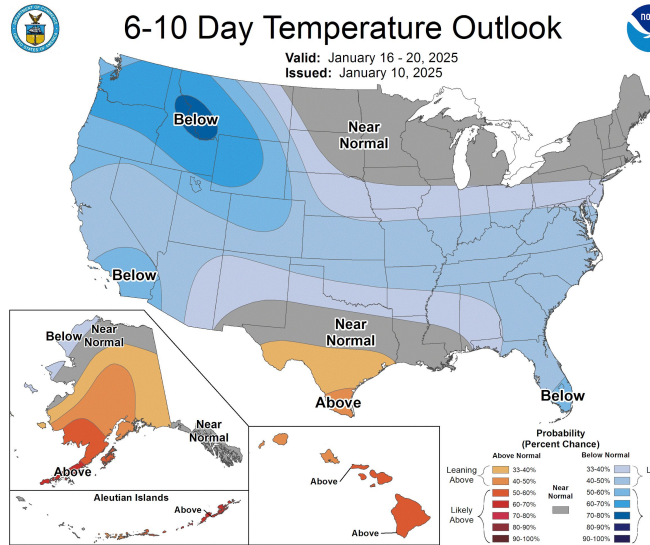


Image Captions:

Left - [Climate Prediction Center 6-10 Day Temperature Outlook](#),
Right - [Climate Prediction Center 6-10 Day Precipitation Outlook](#),

Valid January 16 -20 2025.

8-14 Day Outlook

Temperature and Precipitation Outlook

Main Takeaways

- Likely below normal temperatures for days 8-14 (01/18-01/24)
- Leaning above normal precipitation for days 8-14 (01/18-01/24)

Possible Impact

Precipitation deficits and drought conditions may worsen with no substantial precipitation

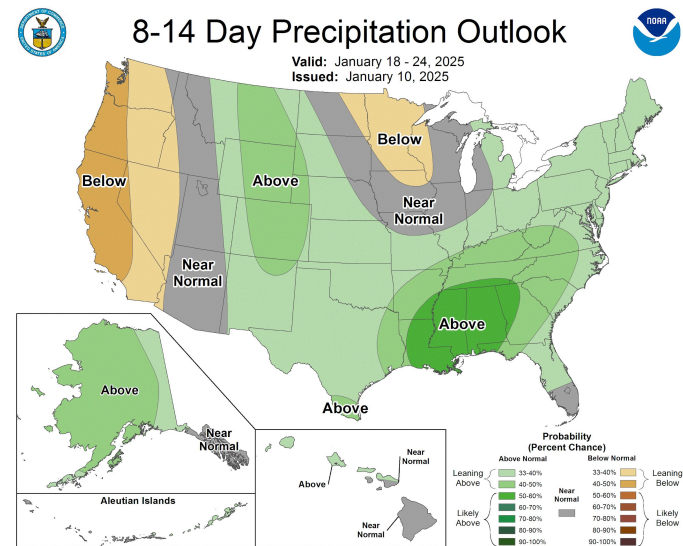
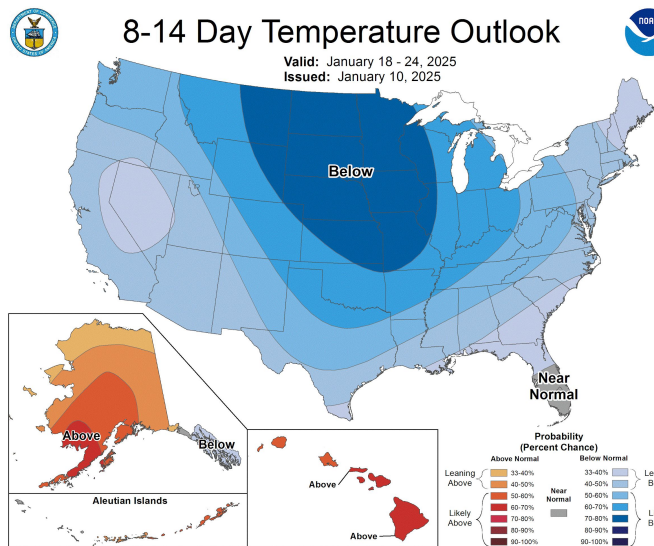


Image Captions:

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

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

Valid January 18-24 2025

Weeks 3-4 Outlook

Temperature and Precipitation Outlook

Main Takeaways

- No strong signals for above/below normal temperatures or precipitation through the first week of February

Possible Impact

Above normal precipitation may help improve rain/groundwater deficits

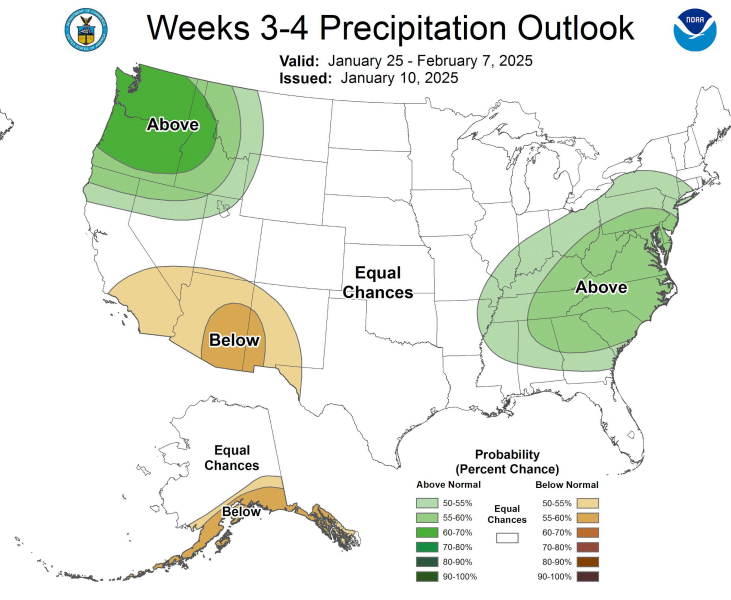
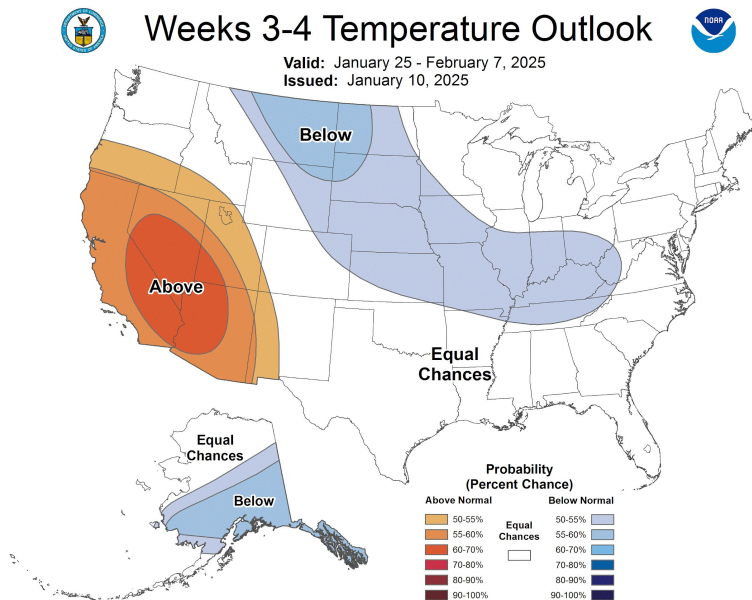


Image Captions:

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

Valid January 25-February 7 2025

Seasonal Climate Outlook

Seasonal Temperature and Precipitation Outlook

Main Takeaways

- Higher chances for above above normal average temperatures for the Northeast between Feb-Apr
- Equal chances for above/below normal precipitation between Feb-Apr
- Leaning above normal precipitation across western MA for Feb-Apr

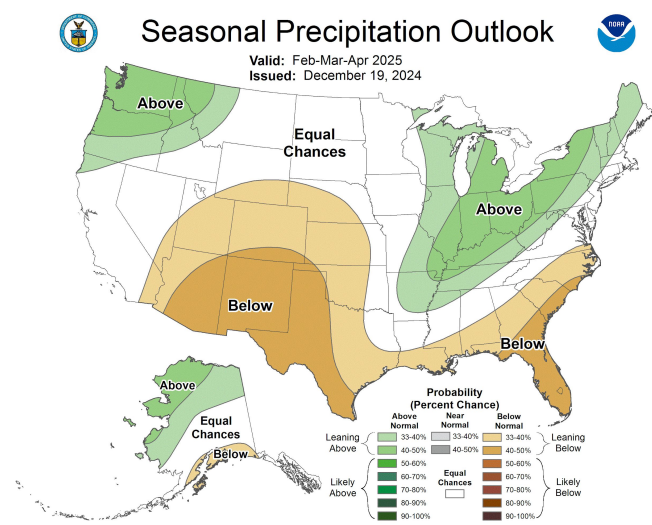
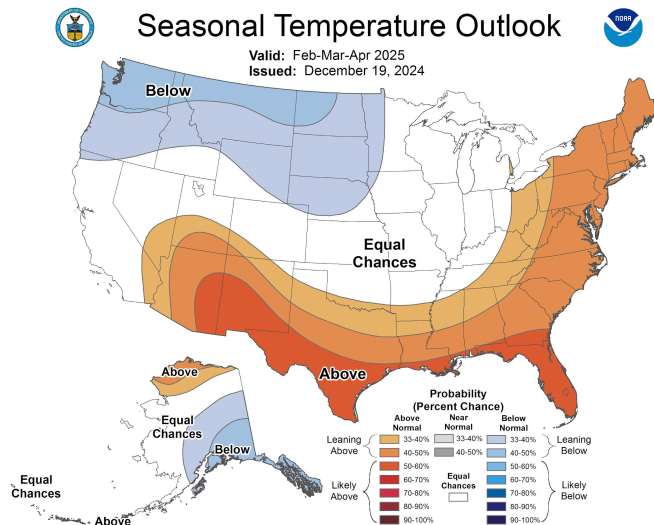


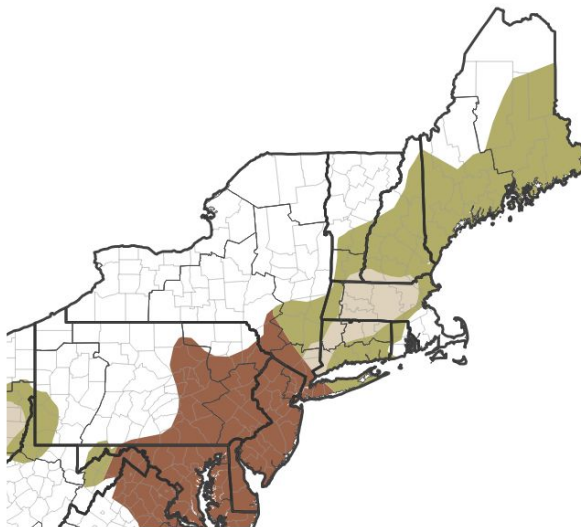
Image Captions:
Left - [Climate Prediction Center Seasonal Temperature Outlook](#).
Right - [Climate Prediction Center Seasonal Precipitation Outlook](#).
Valid 02 to 04 2025.

Drought Outlook

Main Takeaways

- 1 month outlook calls for either an end to drought or drought improvement across southern New England by the end of January

1-Month Drought Outlook for January 1, 2025–January 31, 2025



Drought Is Predicted To...



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

Last Updated: 12/31/24



More Information

Connecticut

- [Connecticut Drought Information Center](#)

Massachusetts

- [Massachusetts Drought Management Task Force](#)

Rhode Island

- [Rhode Island Water Resources Board](#)

