



# Drought Information Statement

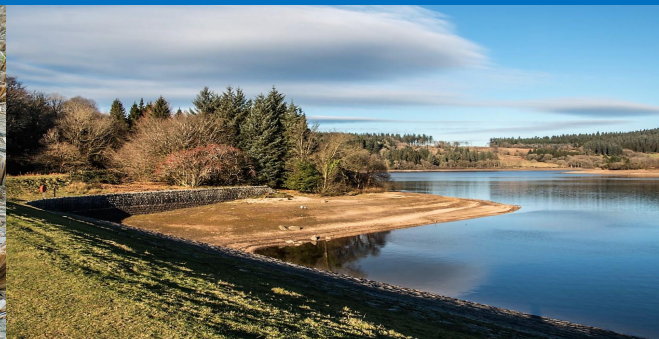
## For East Tennessee, Southwest Virginia, and Southwest North Carolina

Valid December 7, 2023

Issued By: WFO Morristown, TN

Contact Information: [sr-mrx.webmaster@noaa.gov](mailto:sr-mrx.webmaster@noaa.gov)

- This product will be updated in the next week or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/mrx/DroughtInformationStatement> for previous statements.



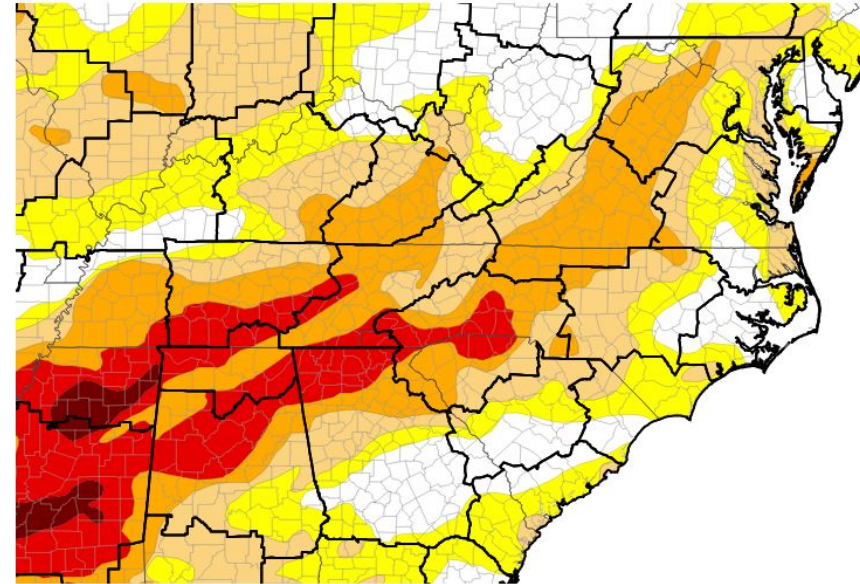


# U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the NWS Morristown CWA

- **Drought intensity and Extent**

- **D4 (Exceptional Drought):** None
- **D3 (Extreme Drought):** Parts of Plateau, southeast Tennessee, and Cherokee and Clay counties of North Carolina.
- **D2 (Severe Drought):** Northern Plateau, much of southeast Tennessee, central east Tennessee, and parts of northeast Tennessee and southwest Virginia.
- **D1 (Moderate Drought):** Rest of southwest Virginia and northeast Tennessee.
- **D0: (Abnormally Dry):** None



U.S. Drought Monitor

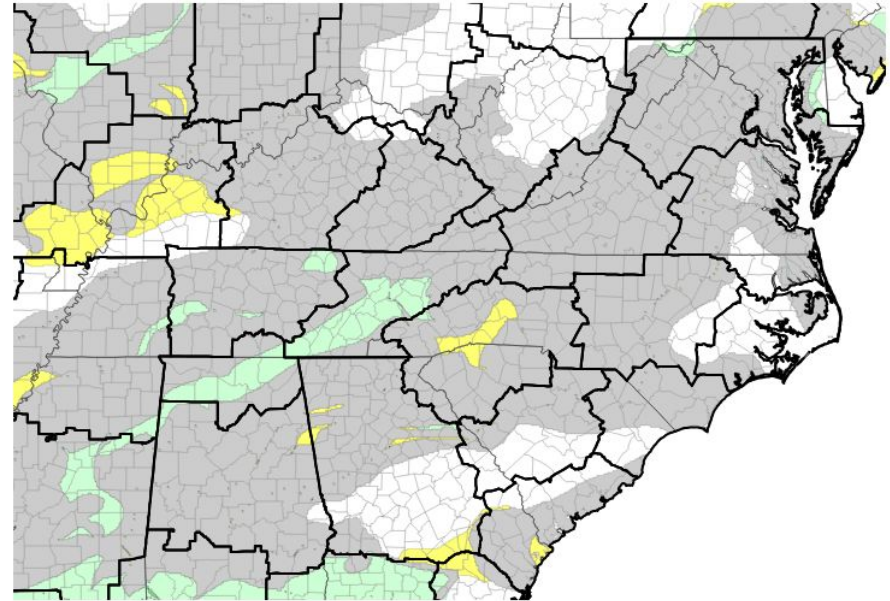




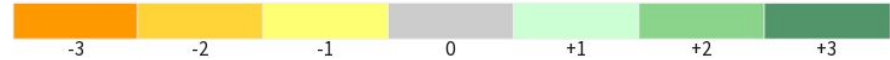
# Recent Change in Drought Intensity

Link to the latest 1-week change map for the Southern Appalachians

- Four Week Drought Monitor Class Change.
  - **Drought Worsened:** None
  - **No Change:** Most places outside of the central and southern Valley
  - **Drought Improved:** Extreme southern Plateau and much of the central and southern Valley



Drought Change Since Last Week

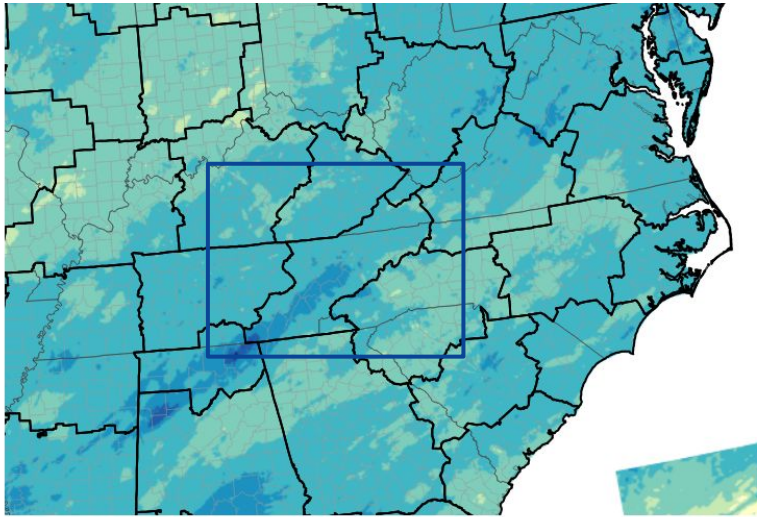




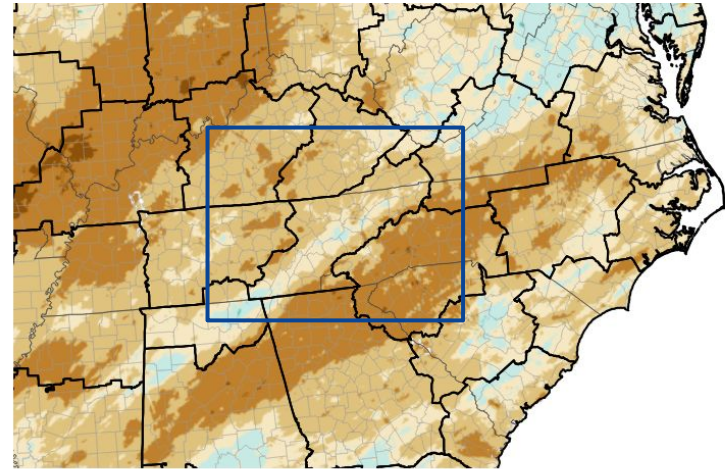


# Precipitation

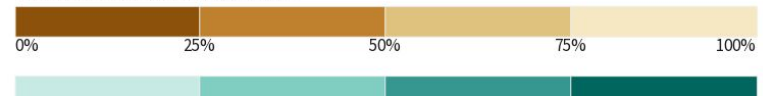
- Drier than normal conditions have been occurring across much of the region except for the parts of Tennessee valley.



Inches of Precipitation



Percent of Normal Precipitation (%)



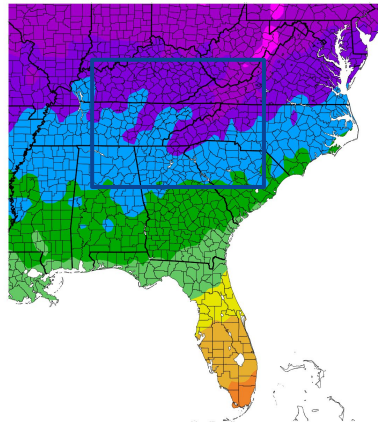




# Temperature

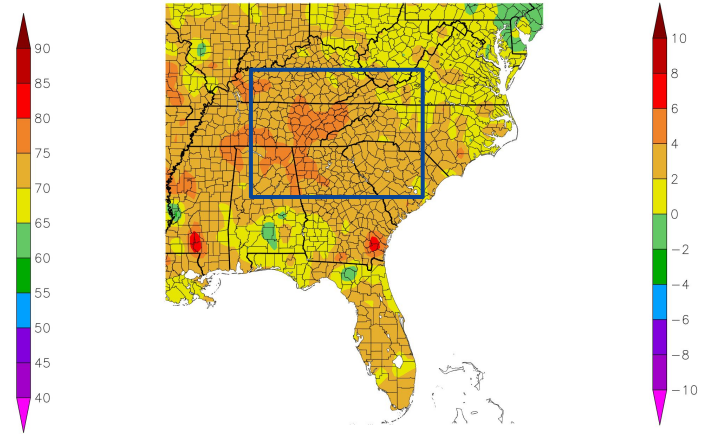
- Temperatures have been above normal during the past 4 weeks.

Temperature (F)  
11/7/2023 – 12/6/2023



Generated 12/7/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
11/7/2023 – 12/6/2023



NOAA Regional Climate Centers <sup>023</sup> at HPRCC using provisional data.

NOAA Regional Climate Centers





# Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

## Hydrologic Impacts

- Stream flows have improved with normal to slightly below normal.

## Agricultural Impacts

- Dry weather has hampered small grain and fall hay seedings. Pasture conditions continue to decline this week. Soil moisture has improved.

## Fire Hazard Impacts

- Tennessee Forestry has reported a decrease in fire activity after recent rainfall

## Other Impacts

- Stay tuned for future updates.

## Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information. Continue to abide by local burning bans and regulations.

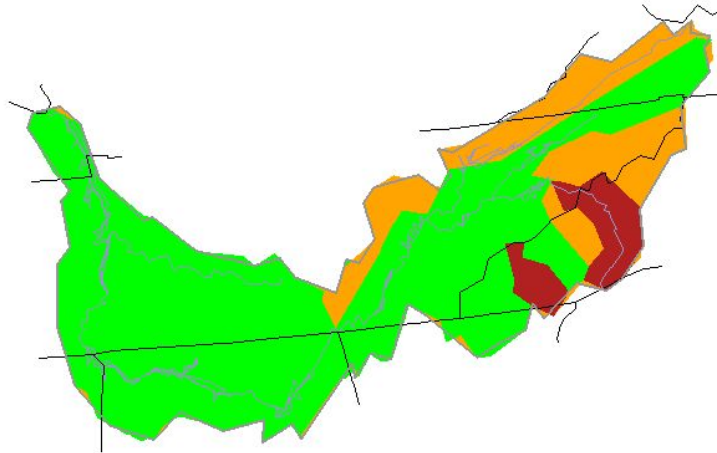




# Hydrologic Conditions and Impacts

Hednesday, December 06, 2023

- Streamflows have improved over much of the area.



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Image Caption: USGS 7 day average streamflow HUC map valid 11/29/2023



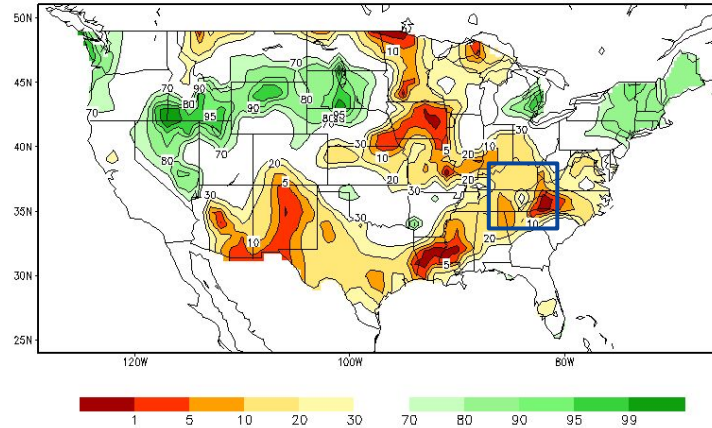




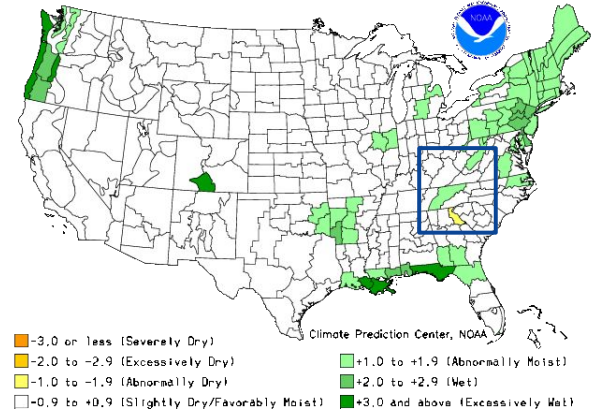
# Agricultural Impacts

- Soil moisture has improved across much of the area due to the recent rains.

Calculated Soil Moisture Ranking Percentile  
DEC 06, 2023



Crop Moisture Index by Division  
Weekly Value for Period Ending DEC 2, 2023  
Short Term Need vs. Available Water in a Shallow Soil Profile





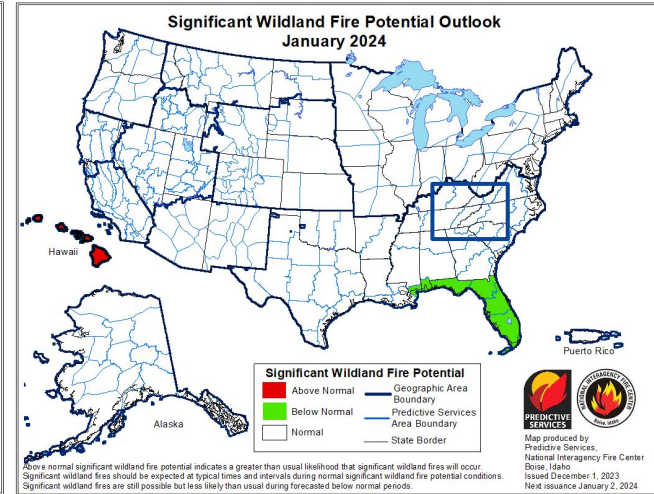
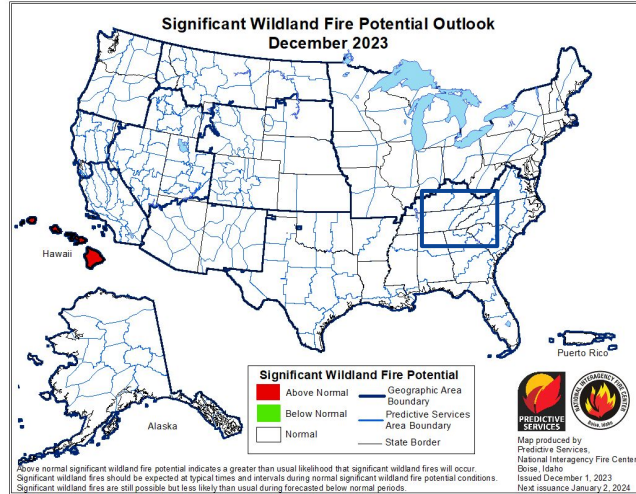
# Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center.](#)

Latest TN Burn Ban map available [here.](#)

Latest VA Burn Ban map available [here.](#)

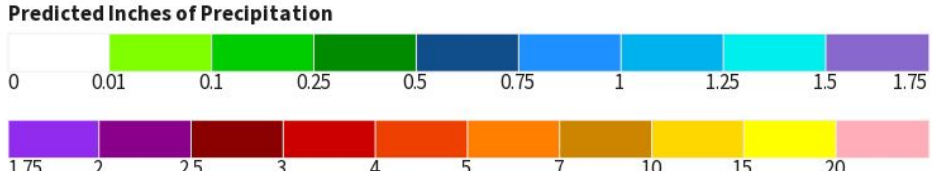
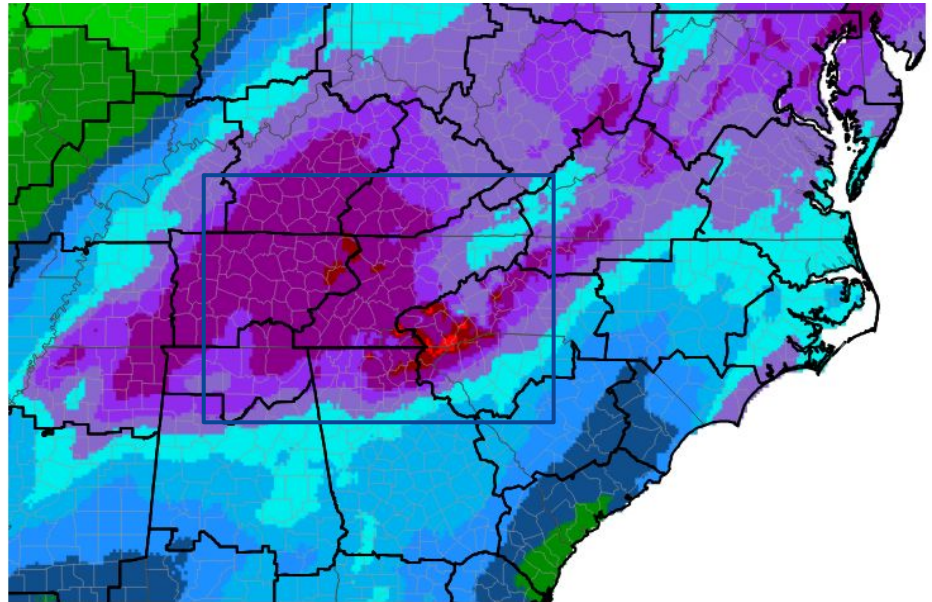
Latest NC Burn Ban information available [here.](#)





# Seven Day Precipitation Forecast

- Precipitation is expected during the next 7 days.
  - The best chances of precipitation will be on Sunday. Overall, most locations are expected to receive between 1 to 2 inches of precipitation.



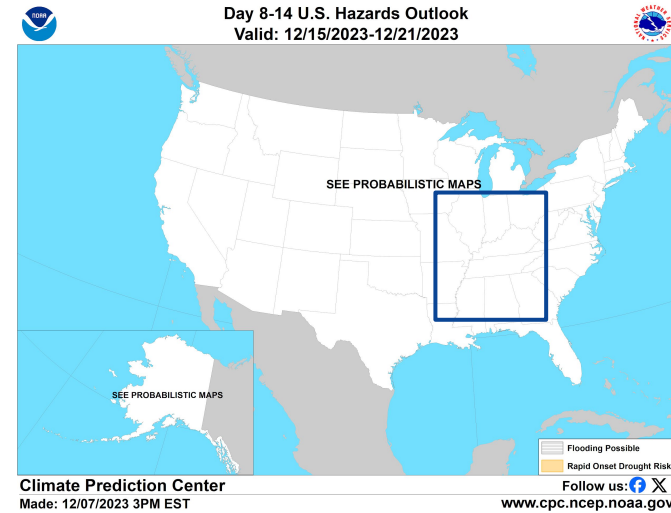
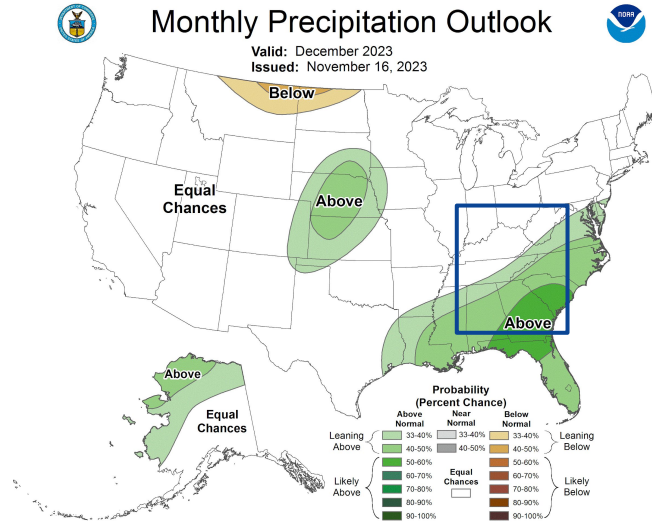




# Long-Range Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Above normal precipitation are favored this month.





# Drought Outlook

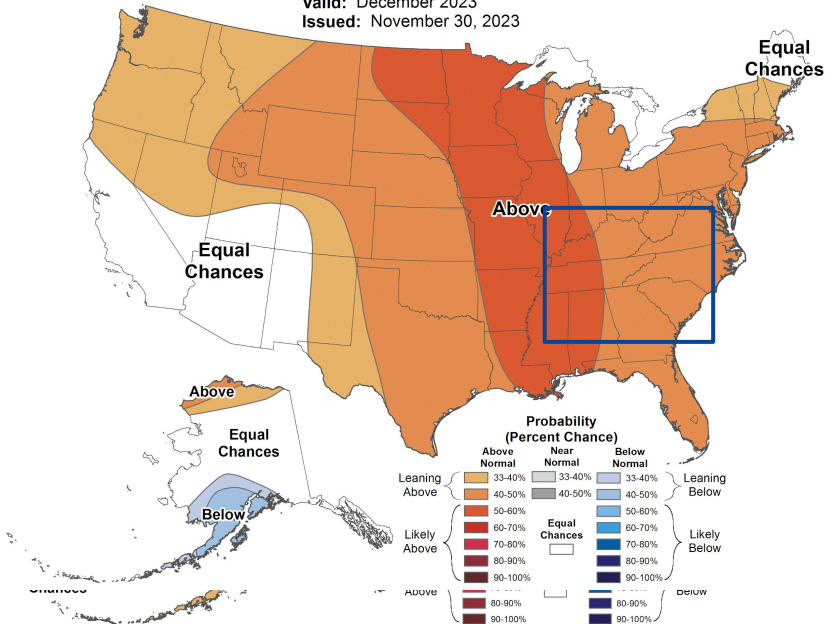
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Above normal temperatures and precipitation is favored this month.



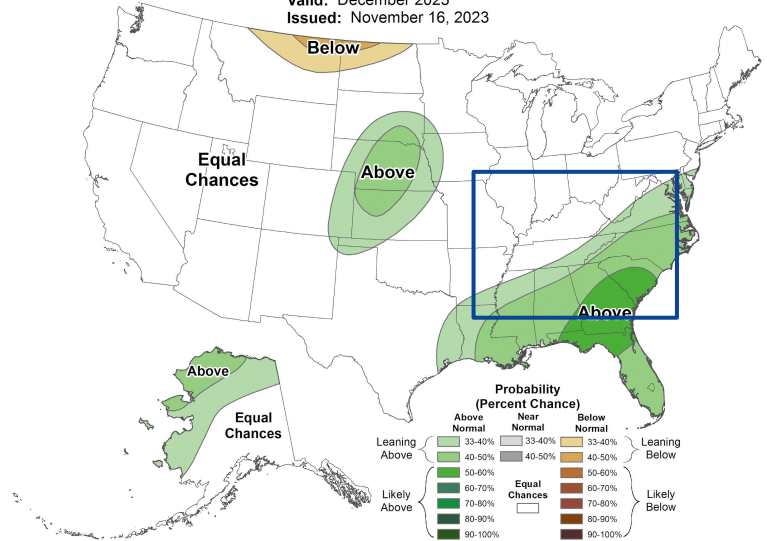
## Monthly Temperature Outlook

Valid: December 2023  
Issued: November 30, 2023



## Monthly Precipitation Outlook

Valid: December 2023  
Issued: November 16, 2023





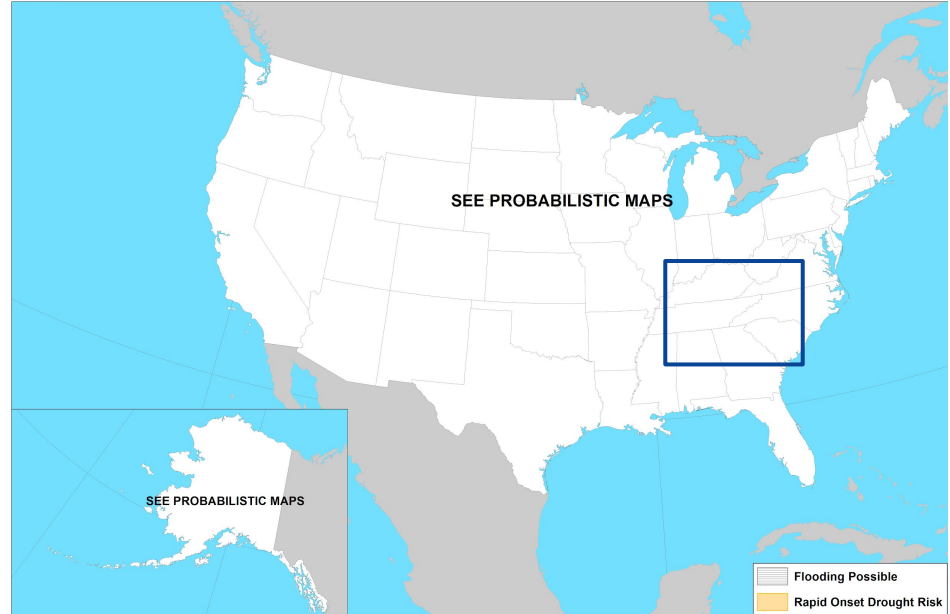
# Rapid Onset Drought Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- No hazards posted.



Day 8-14 U.S. Hazards Outlook  
Valid: 12/07/2023-12/13/2023



Climate Prediction Center  
Made: 11/29/2023 3PM EST

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