



# Drought Information Statement

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

Valid December 14, 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.



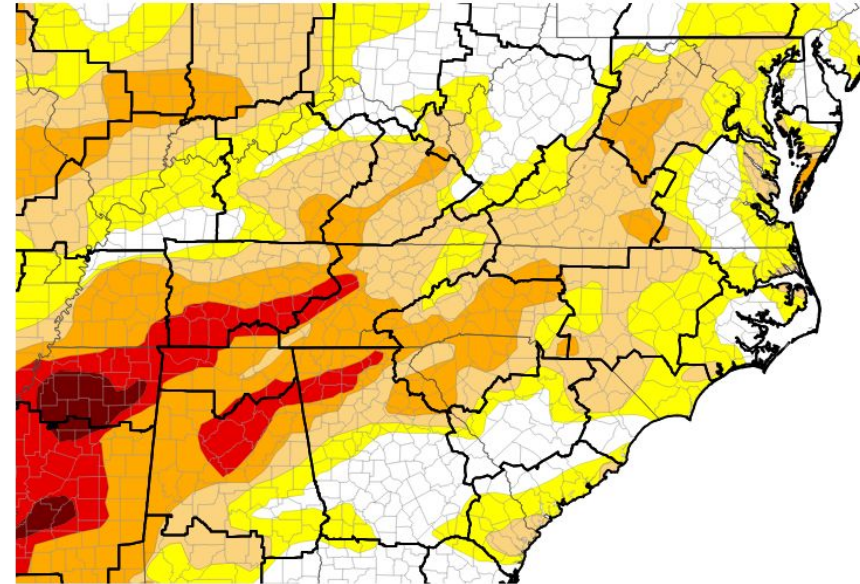


# U.S. Drought Monitor

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.
- **D2 (Severe Drought):** Southeast Tennessee and Cherokee and Clay counties of North Carolina.
- **D1 (Moderate Drought):** Much of the northern Plateau, central and northeast Tennessee, and southwest Virginia.
- **D0: (Abnormally Dry):** Parts of southwest Virginia and northeast Tennessee



U.S. Drought Monitor

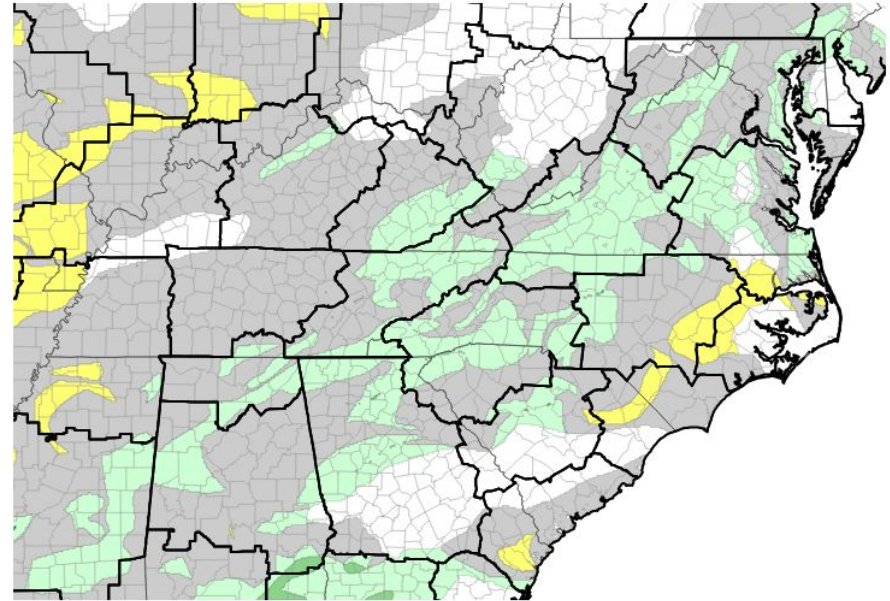




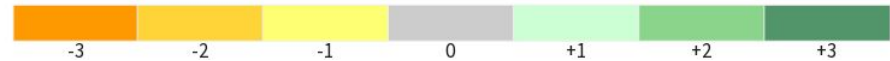
# Recent Change in Drought Intensity

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:** Much of the area saw improved drought conditions due to the recent rains.



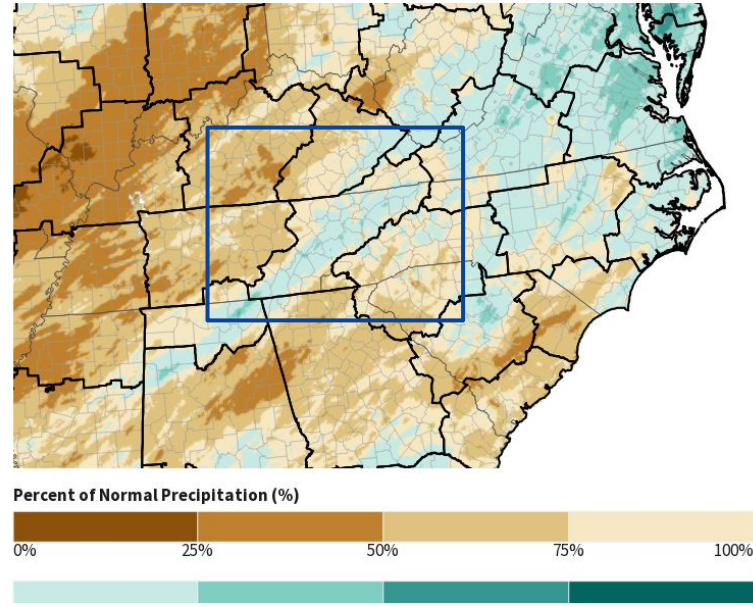
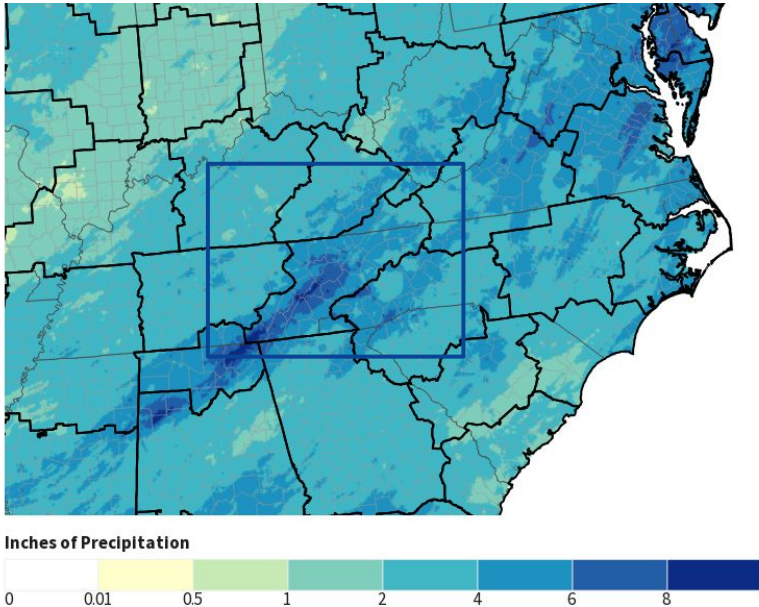
Drought Change Since Last Week





# Precipitation

- Wetter than normal conditions have been occurring across much of the region.

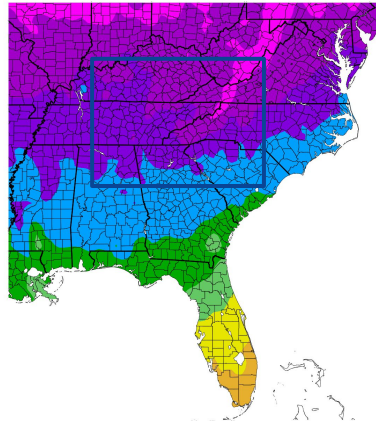




# Temperature

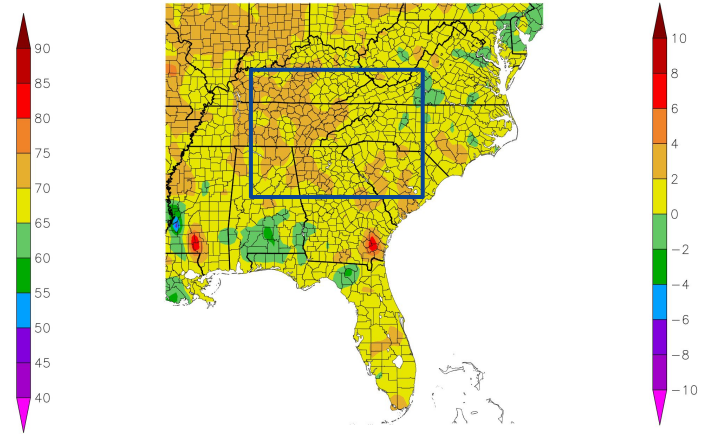
- Temperatures have been above normal during the past 4 weeks.

Temperature (F)  
11/14/2023 – 12/13/2023



Generated 12/14/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
11/14/2023 – 12/13/2023



NOAA Regional Climate Centers 2023 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 across the entire region.

## Agricultural Impacts

- Soil moisture has improved.

## Fire Hazard Impacts

- Tennessee Forestry has reported little to no fire activity after the 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.

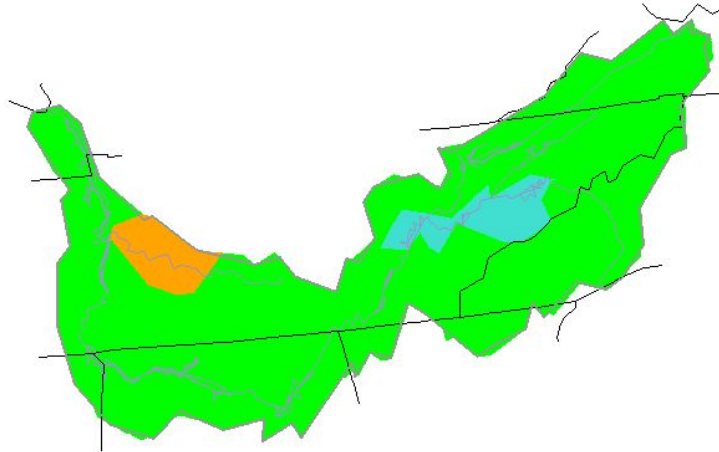




# Hydrologic Conditions and Impacts

Hednesday, December 13, 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

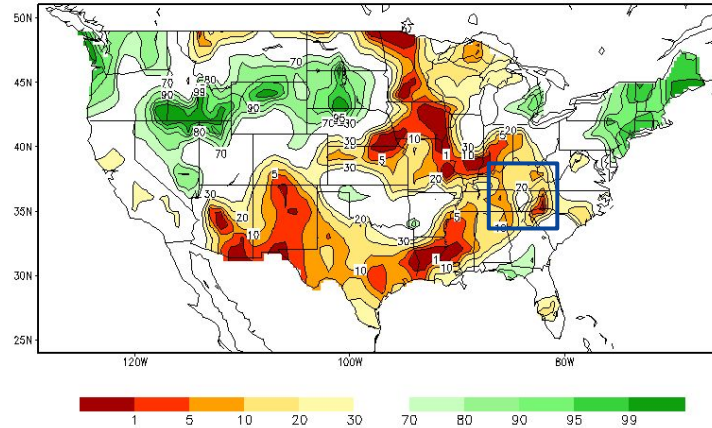




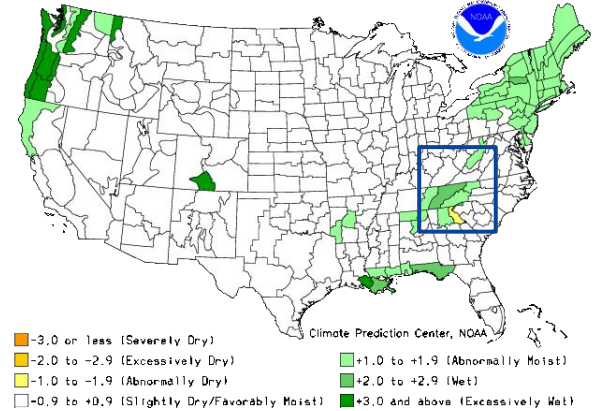
# Agricultural Impacts

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

Calculated Soil Moisture Ranking Percentile  
DEC 13, 2023



Crop Moisture Index by Division  
Weekly Value for Period Ending DEC 9, 2023  
Short Term Need vs. Available Water in a Shallow Soil Profile







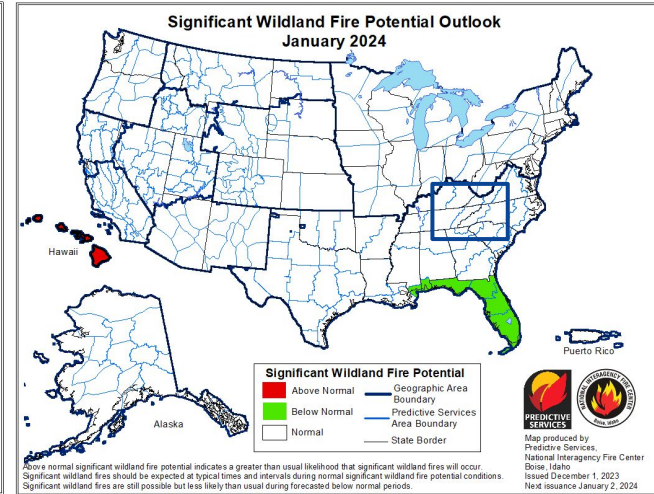
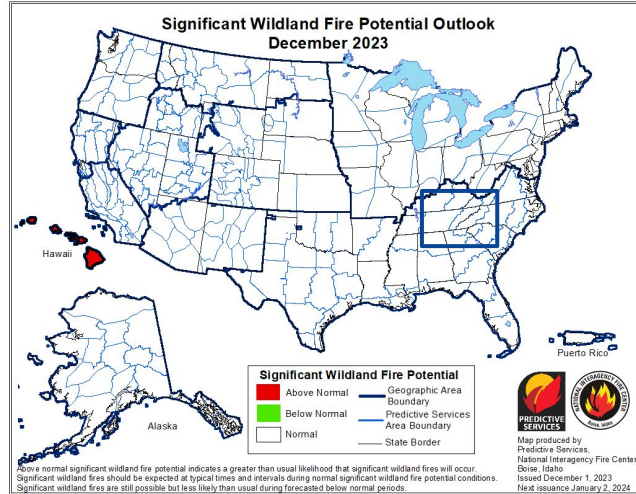
# Fire Hazard Impacts

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.](#)

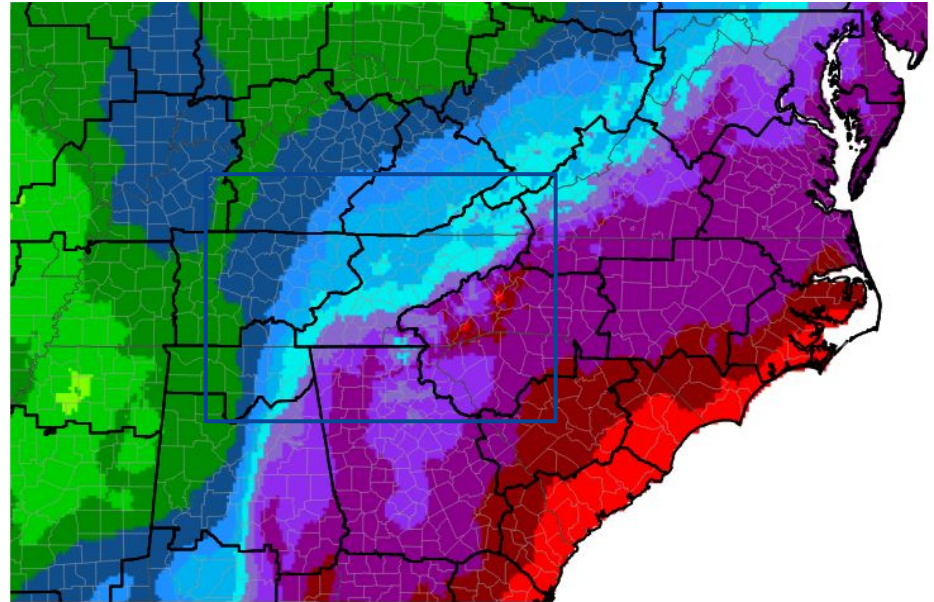
Latest NC Burn Ban information available [here.](#)



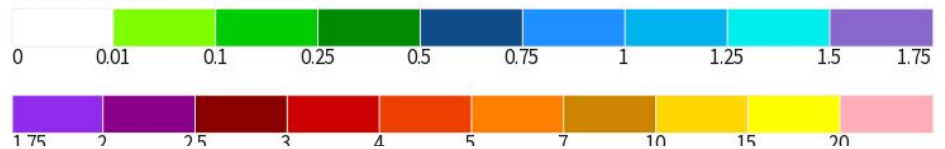


# Seven Day Precipitation Forecast

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



Predicted Inches of Precipitation

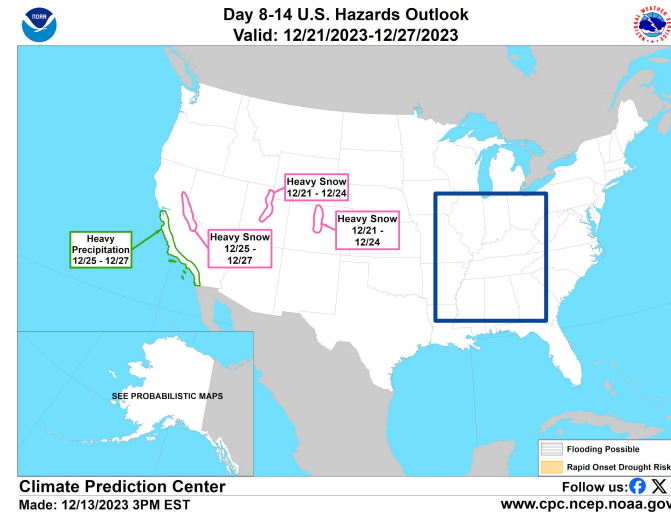
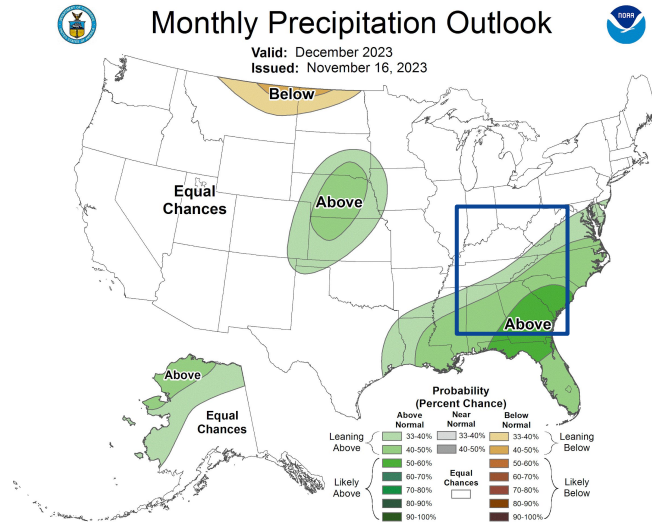




# Long-Range Outlooks

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

- Above normal precipitation are favored this month.







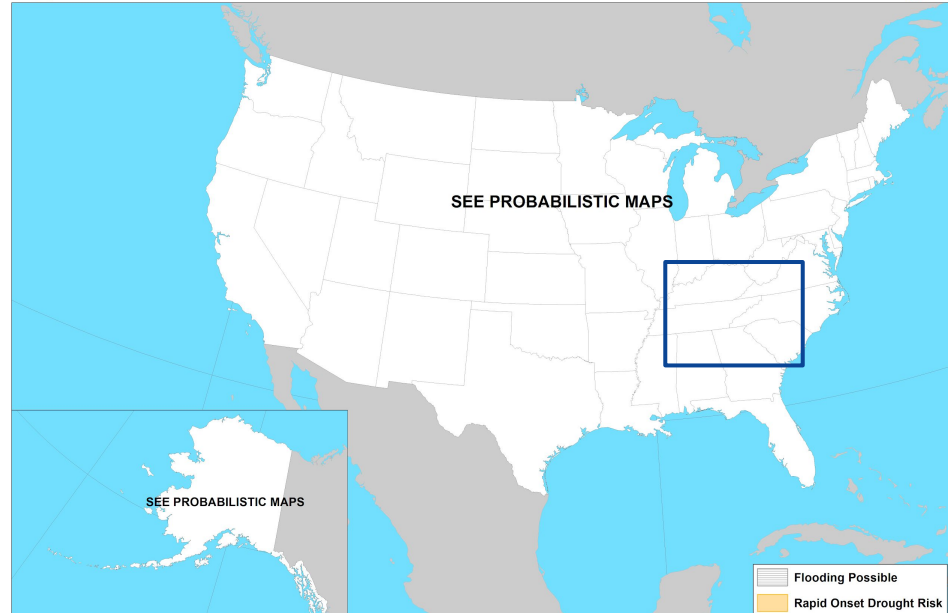
# Rapid Onset Drought Outlook

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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