



# Drought Information Statement

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

Valid July 11, 2024

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.





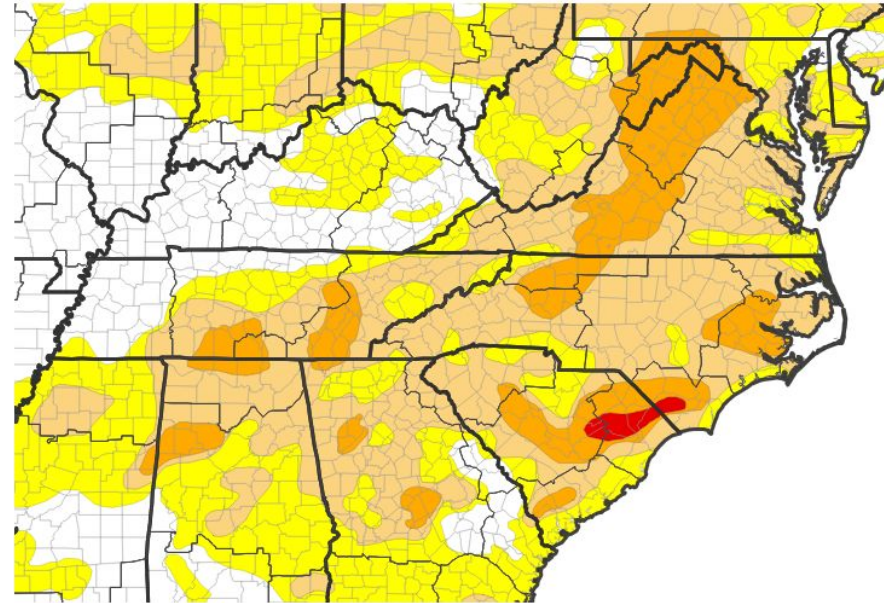
# U.S. Drought Monitor

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

- **Drought intensity and Extent**

- **D4 (Exceptional Drought):** None.
- **D3 (Extreme Drought):** None.
- **D2 (Severe Drought):** Southeast Tennessee.
- **D1 (Moderate Drought):** Most of the region.
- **D0: (Abnormally Dry):** Area-wide.

## U.S. Drought Monitor



## U.S. Drought Monitor



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

Data Valid: 07/09/24



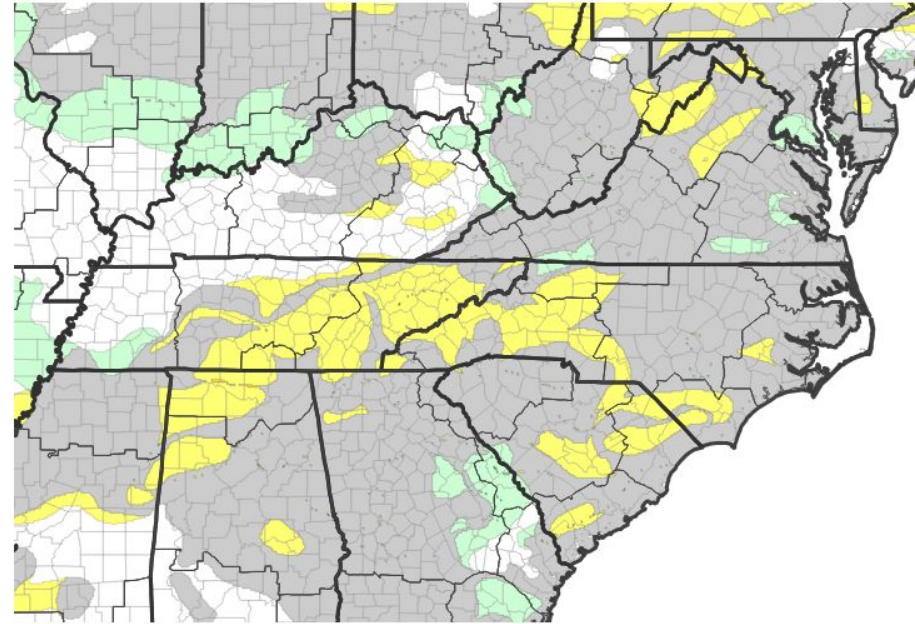


# Recent Change in Drought Intensity

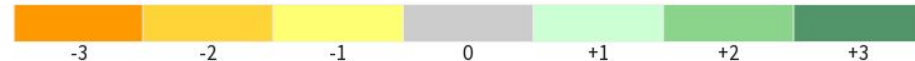
Link to the latest 1-week change map for the Southern Appalachians

- Four Week Drought Monitor Class Change.
  - **Drought Worsened:** Most locations across the Cumberland Plateau and Tennessee Valley.
  - **No Change:** Southwest Virginia.
  - **Drought Improved:** None.

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



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

Data Valid: 07/09/24

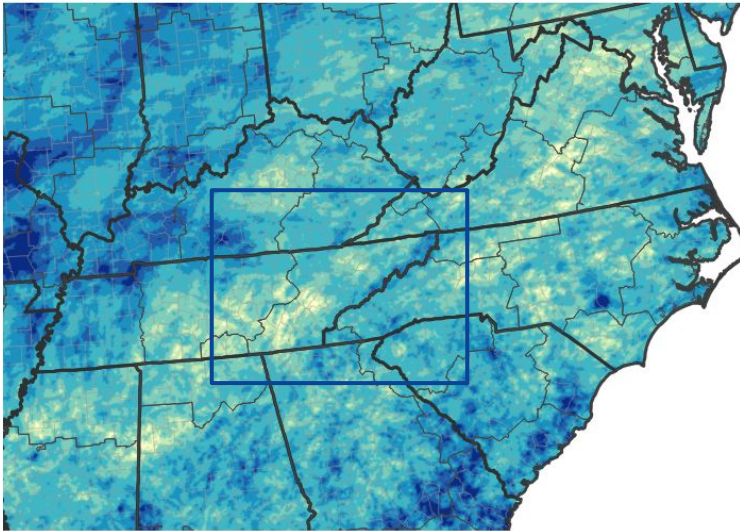




# Precipitation

- Precipitation has been below normal.

### 30-Day Precipitation Accumulations (Inches)



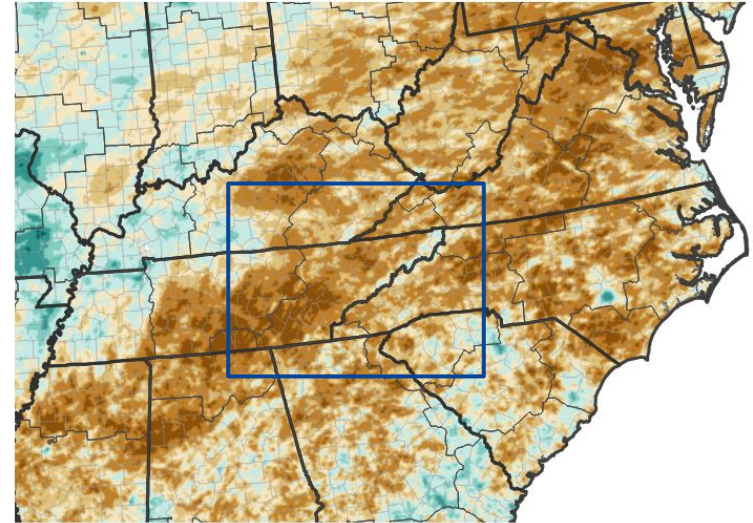
#### Inches of Precipitation



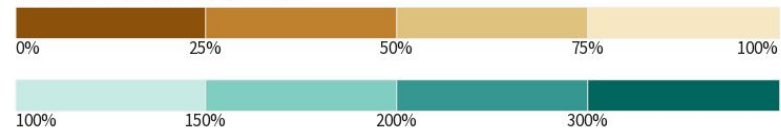
Source(s): National Weather Service Multi-Radar Multi-Sensor System;  
image courtesy of Drought.gov

Last Updated: 07/11/24

### 30-Day Percent of Normal Precipitation



#### Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System;  
image courtesy of Drought.gov

Last Updated: 07/11/24

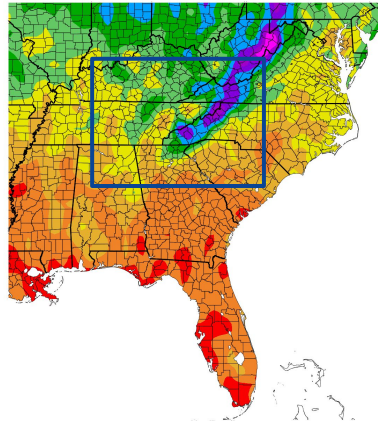




# Temperature

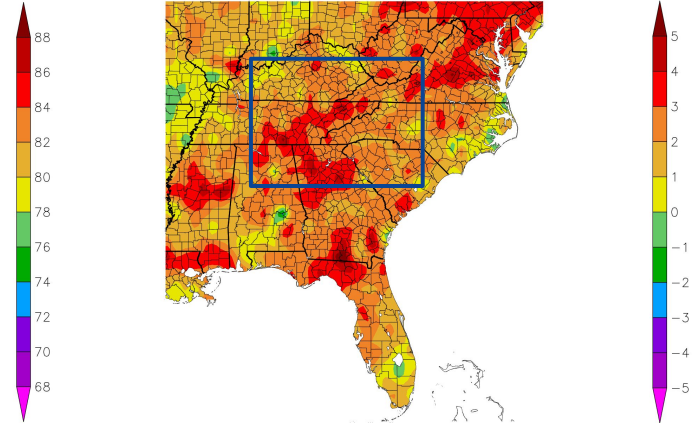
- Temperatures have been much above normal for the last 4 weeks.

Temperature (F)  
6/12/2024 - 7/11/2024



Generated 7/12/2024 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
6/12/2024 - 7/11/2024



NOAA Regional Climate Centers 024 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 are below normal for most locations.

## Agricultural Impacts

- Soil moisture is below normal for agriculture.

## Fire Hazard Impacts

- Tennessee Forestry has reported little to no fire activity.

## 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 any local burning bans and regulations.

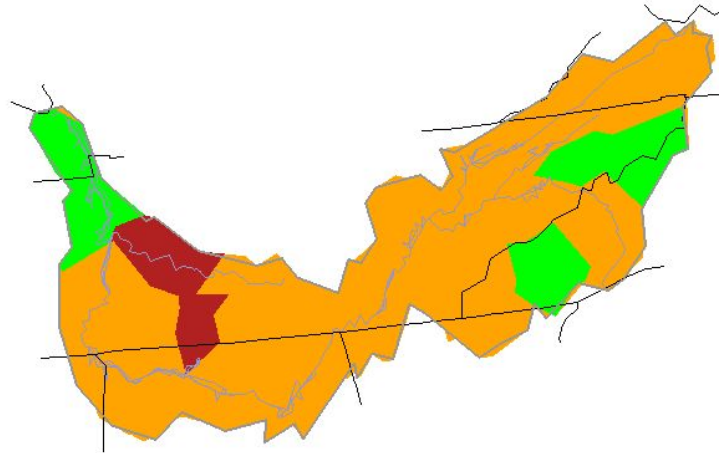




# Hydrologic Conditions and Impacts

Thursday, July 11, 2024

- 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 12/27/2023.

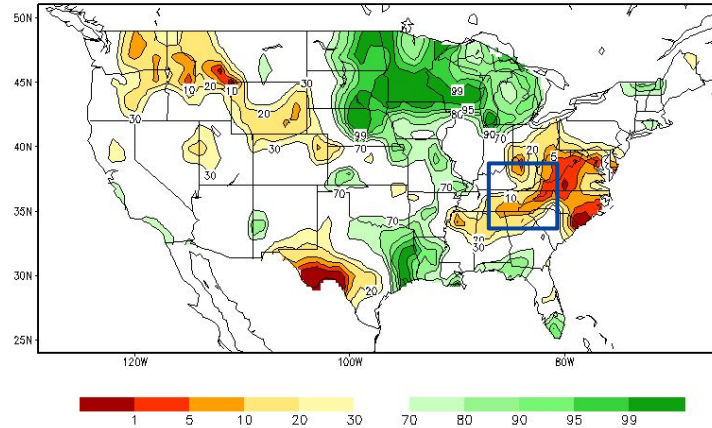




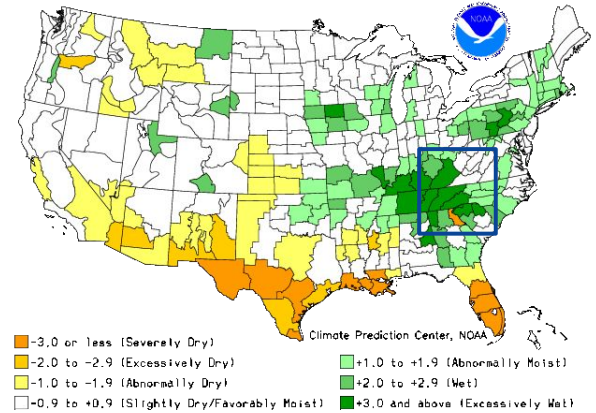
# Agricultural Impacts

- Soil moisture has improved.
- Recent dry weather has resulted in some drier soil conditions over the past week.

Calculated Soil Moisture Ranking Percentile  
JUL 10, 2024



Crop Moisture Index by Division  
Weekly Value for Period Ending JUL 6, 2024  
Short Term Need vs. Available Water in a Shallow Soil Profile







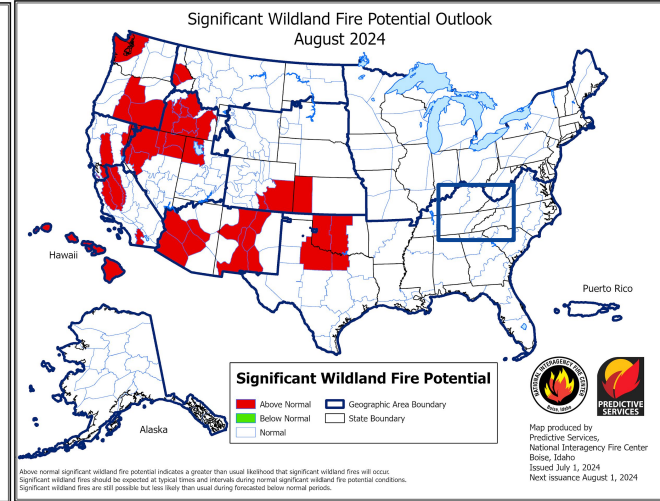
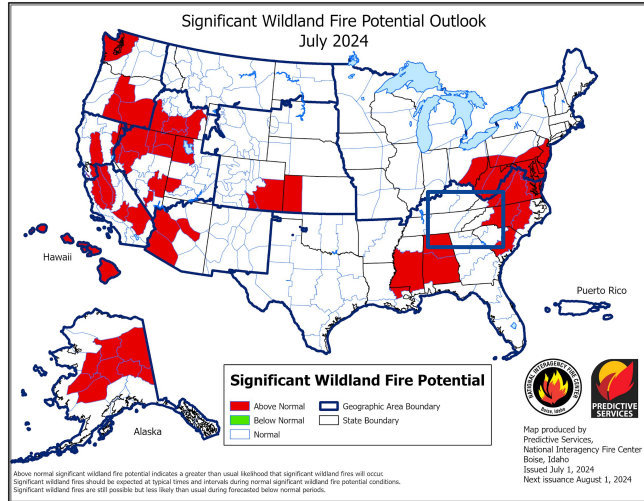
# Fire Hazard Impacts

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.](#)

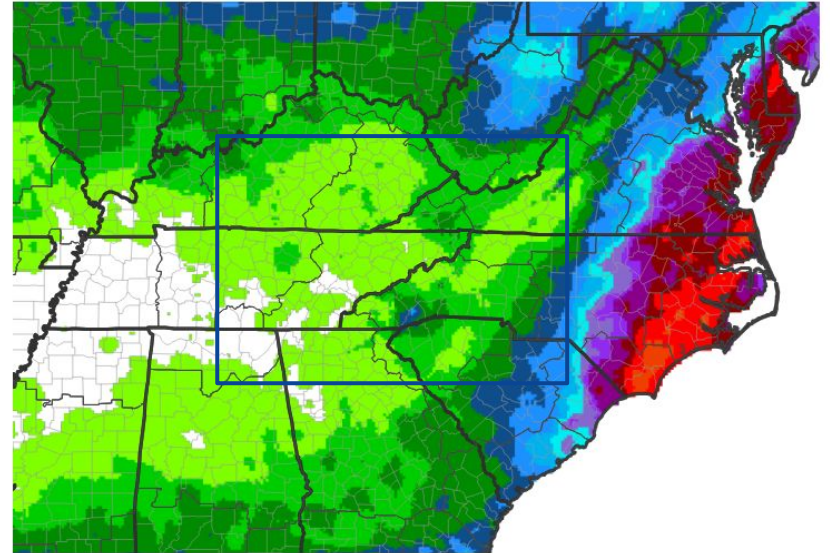




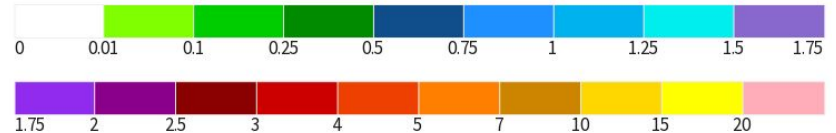
# Seven Day Precipitation Forecast

- Moderate to locally heavy rainfall is expected over the next 7 days.
  - 2 different systems will bring multiple rounds of rain: the first being mainly Friday night through Saturday, then the 2nd being mainly Monday night through Tuesday evening.

## 7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

Last Updated: 07/11/24





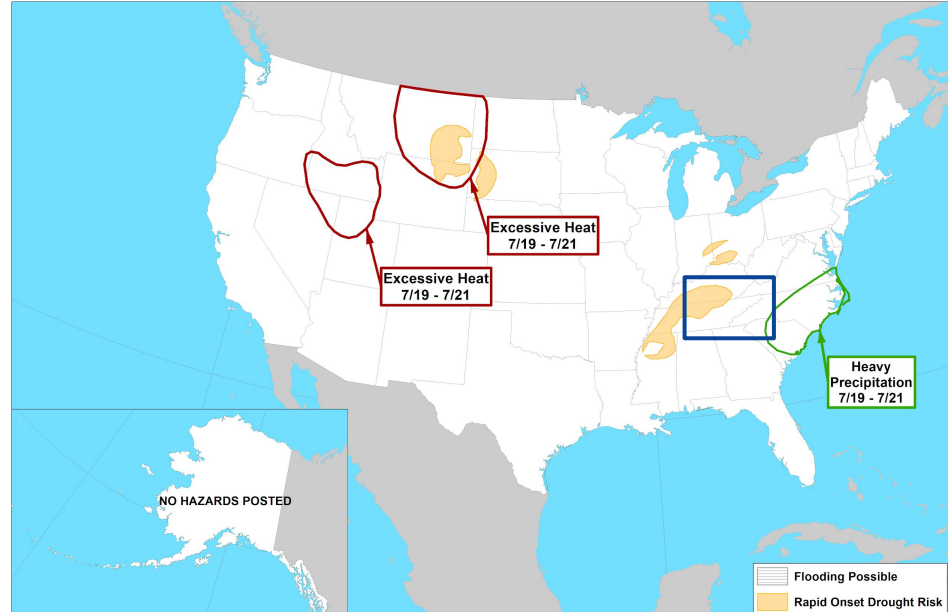
# Rapid Onset Drought Outlook

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

- Worsening drought is expected.
- Dry weather will continue over the next two-week period.



Day 8-14 U.S. Hazards Outlook  
Valid: 07/19/2024-07/25/2024



Climate Prediction Center  
Made: 07/11/2024 3PM EDT

Follow us:   
[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)

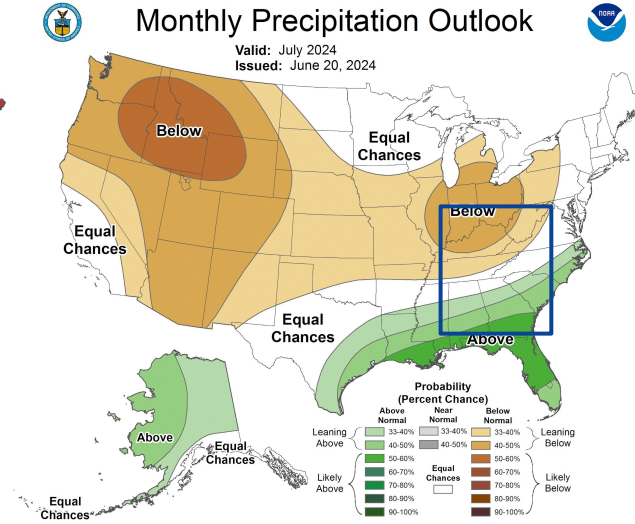
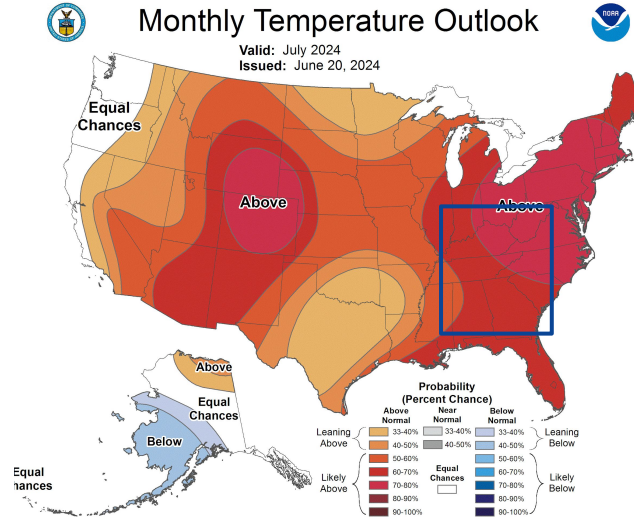




# Long-Range Outlooks

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

- Above normal temperatures expected.
- Below normal precipitation is expected.



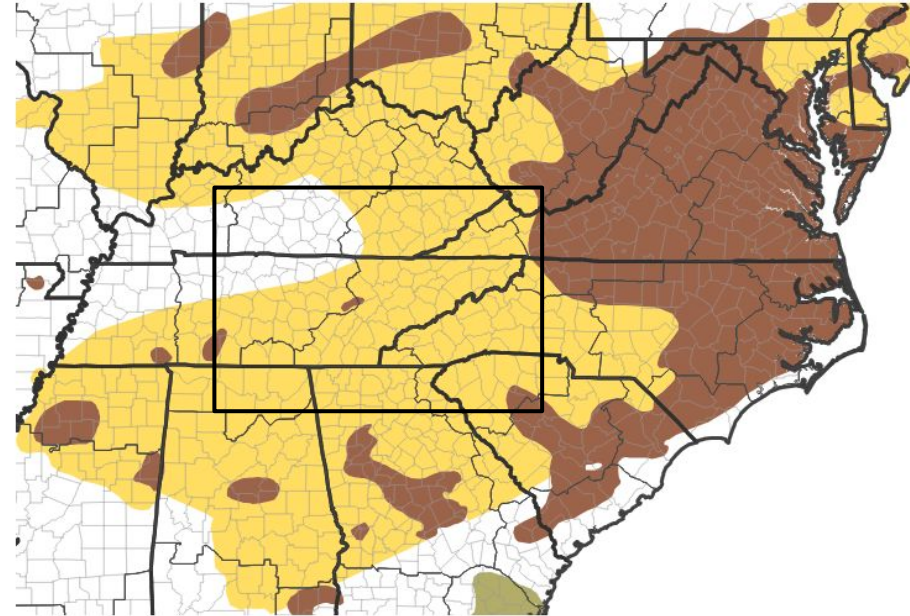


# Drought Outlook

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

- Drought conditions will persist and continue to worsen.

## 1-Month Drought Outlook



### Drought Is Predicted To...



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

Last Updated: 06/30/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Morristown, TN