



Drought Information Statement

For East Tennessee, Southwest Virginia, and Southwest North Carolina

Valid November 9, 2023

Issued By: WFO Morristown, TN

Contact Information: 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.





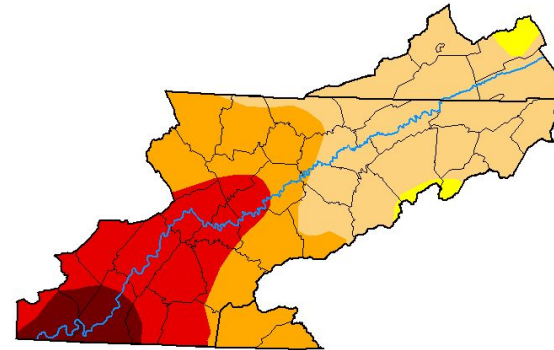
U.S. Drought Monitor

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

- Drought conditions continue to worsen across the Tennessee Valley and Southern Appalachians.
- **Drought intensity and Extent**
 - **D4 (Exceptional Drought):** Much of Marion, Hamilton, and parts of Sequatchie and Bradley counties.
 - **D3 (Extreme Drought):** Southern Plateau, much of southeast, and parts of central Tennessee valley.
 - **D2 (Severe Drought):** Much of the northern Plateau, central Tennessee valley, southeast Tennessee mountains, and southwest North Carolina.
 - **D1 (Moderate Drought):** much of southwest Virginia and northeast Tennessee.
 - **D0: (Abnormally Dry):** Small parts of southwest Virginia and northeast Tennessee mountains.

U.S. Drought Monitor Morristown, TN WFO

November 7, 2023
(Released Thursday, Nov. 9, 2023)
Valid 7 a.m. EST



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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National Drought Mitigation Center



droughtmonitor.unl.edu

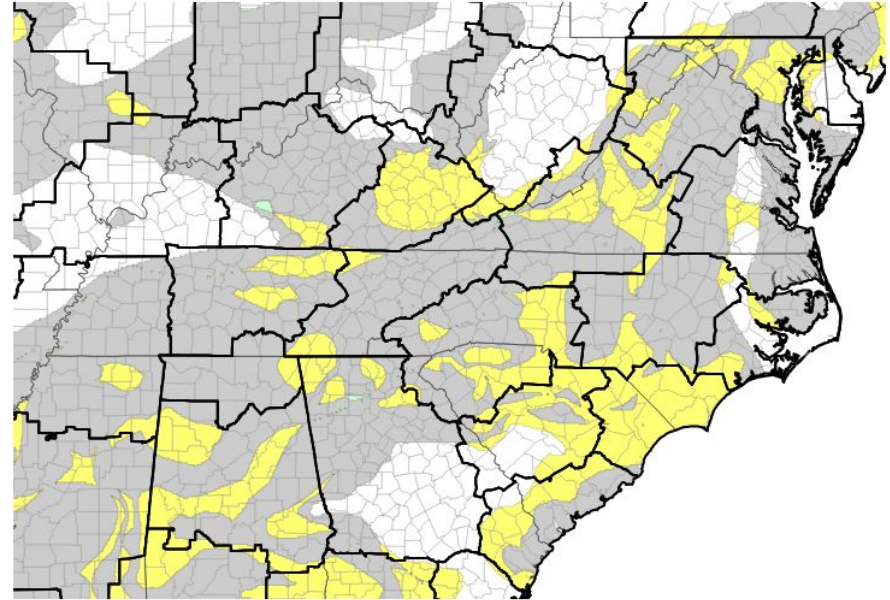




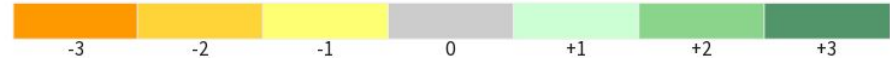
Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - **Drought Worsened:** Parts of the southern Plateau, southeast Tennessee, and parts of the northern Plateau.
 - **No Change:** Rest of east Tennessee, southwest Virginia, and southwest North Carolina.
 - **Drought Improved:** None.



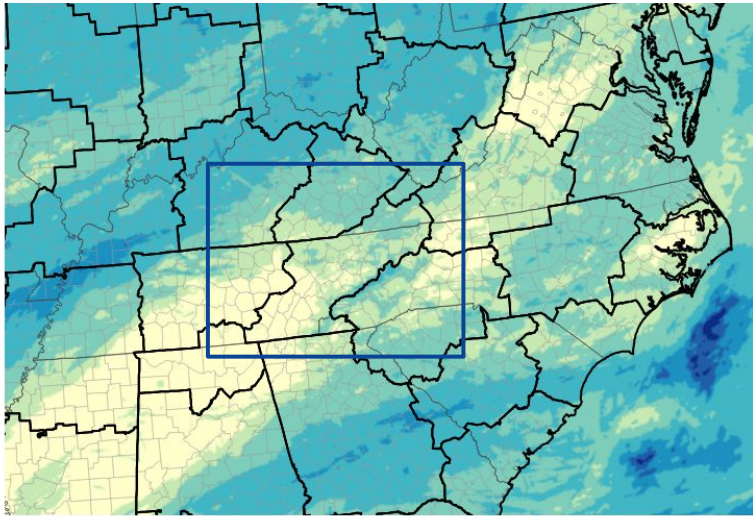
Drought Change Since Last Week



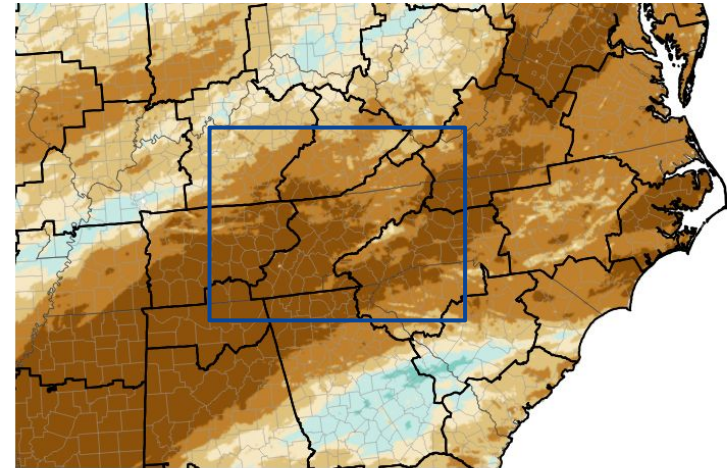


Precipitation

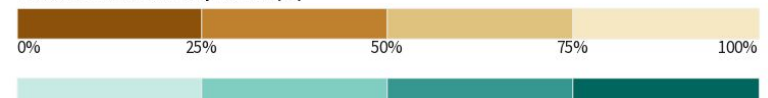
- Notably drier than normal conditions have been occurring across the region.



Inches of Precipitation



Percent of Normal Precipitation (%)

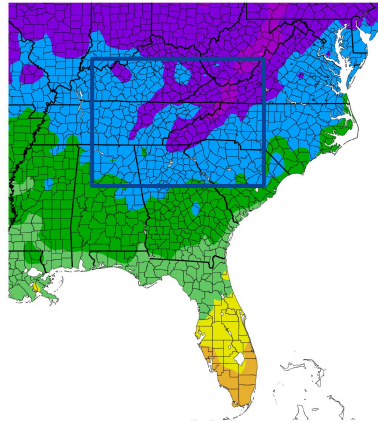




Temperature

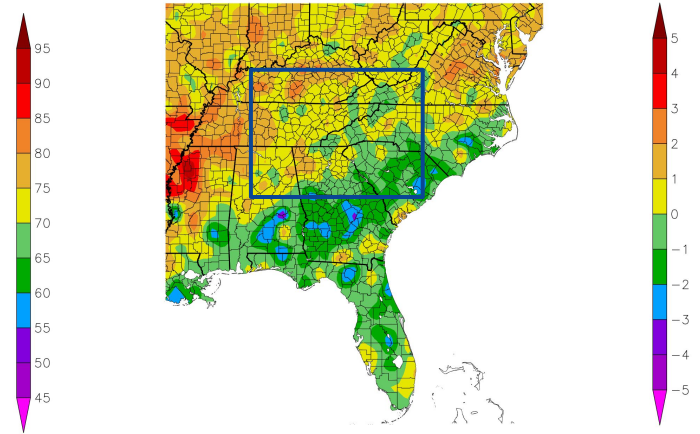
- Temperatures have been near to above normal during the past 4 weeks.

Temperature (F)
10/10/2023 – 11/8/2023



Generated 11/9/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)
10/10/2023 – 11/8/2023



NOAA Regional Climate Centers ⁰²³ 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 remain low

Agricultural Impacts

- Dry weather has hampered small grain and fall hay seedings. Pasture conditions declined this week. Soil moisture is lower than normal.

Fire Hazard Impacts

- Tennessee Forestry reported an increase in fire activity across the entire area.

Other Impacts

- Stay tuned for future updates as drought is likely to worsen in many areas.

Mitigation Actions

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

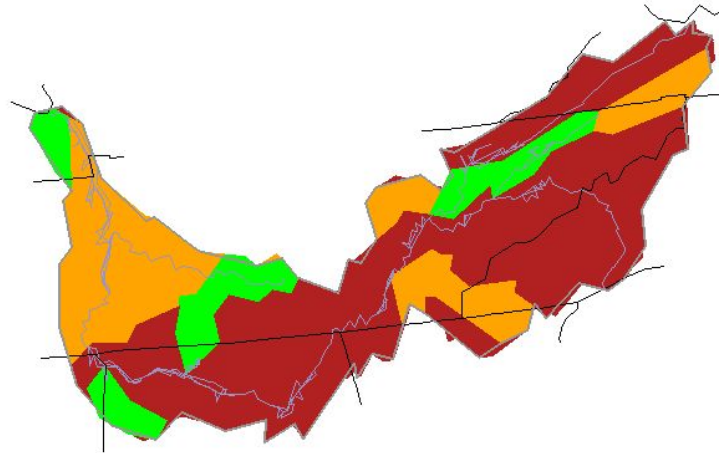




Hydrologic Conditions and Impacts

- Streamflows have been below normal to much below normal for most areas.

Hednesday, November 08, 2023



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

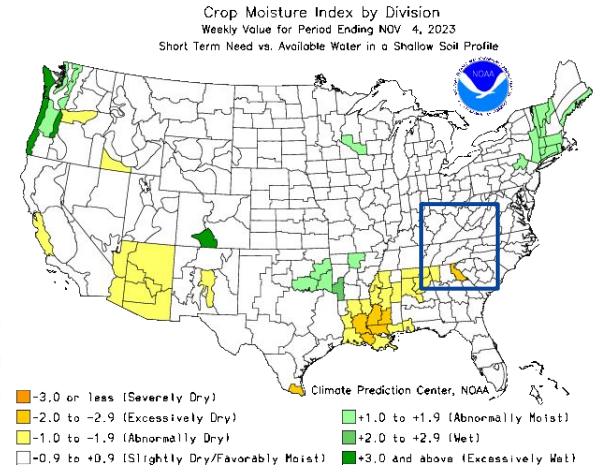
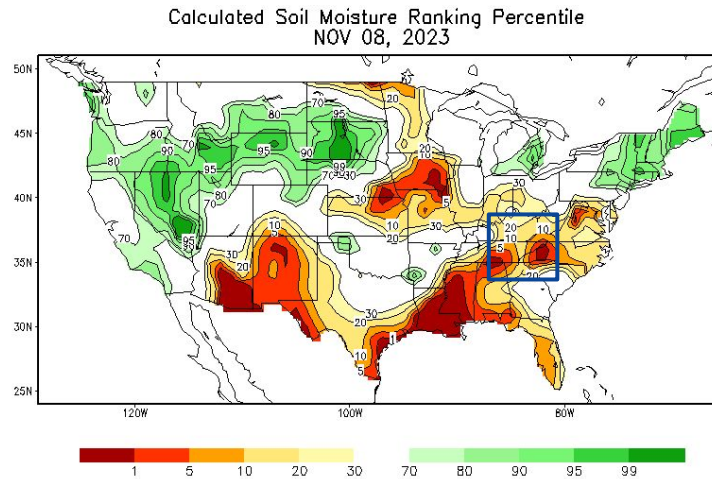
Image Caption: USGS 7 day average streamflow HUC map valid 11/8/2023





Agricultural Impacts

- Soil moisture is drier than normal.





Fire Hazard Impacts

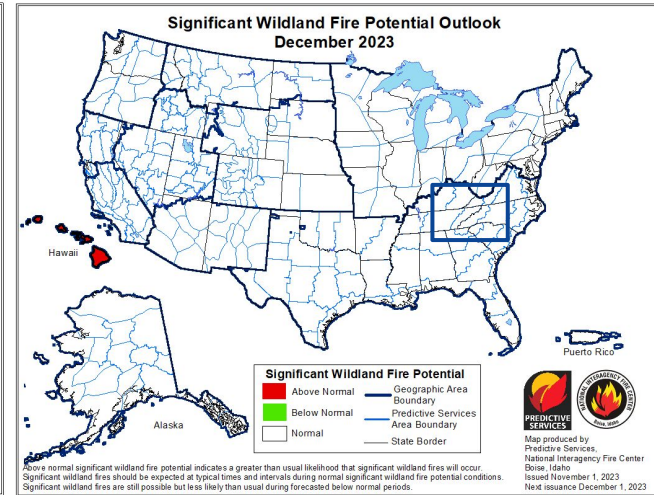
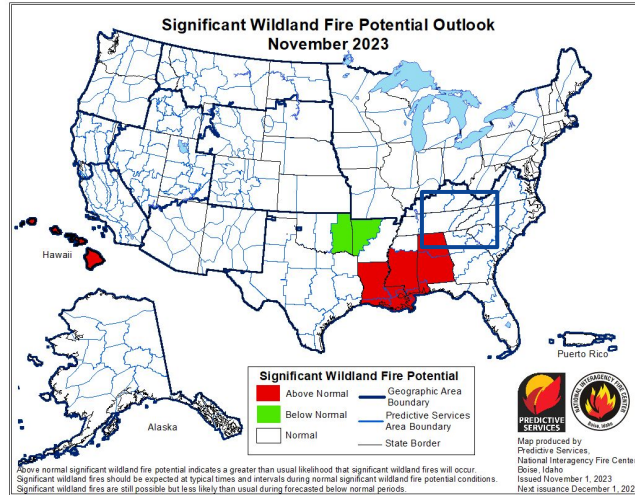
Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center.](#)

- Fire conditions are deteriorating across the entire area.

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

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

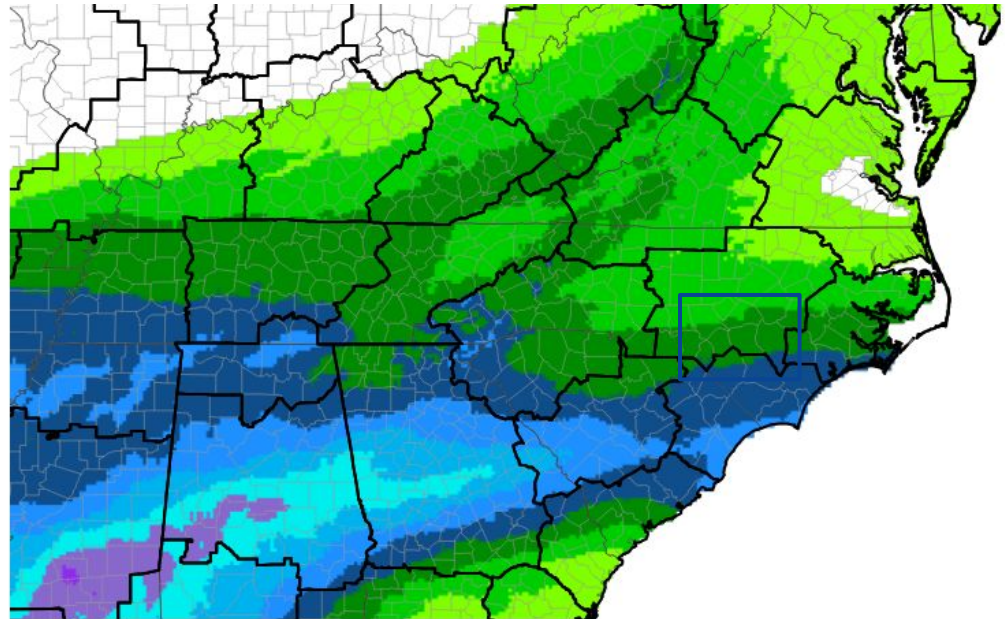
Latest NC Burn Ban information available [here.](#)





Seven Day Precipitation Forecast

- Some light precipitation is expected during the next 7 days – mainly on November 10th.
 - Overall amounts will be low with little impact on drought improvement.
 - Highest precipitation amounts will be across the Plateau, southeast Tennessee, and southwest North Carolina where $\frac{1}{4}$ to $\frac{1}{2}$ inch is possible.



Predicted Inches of Precipitation





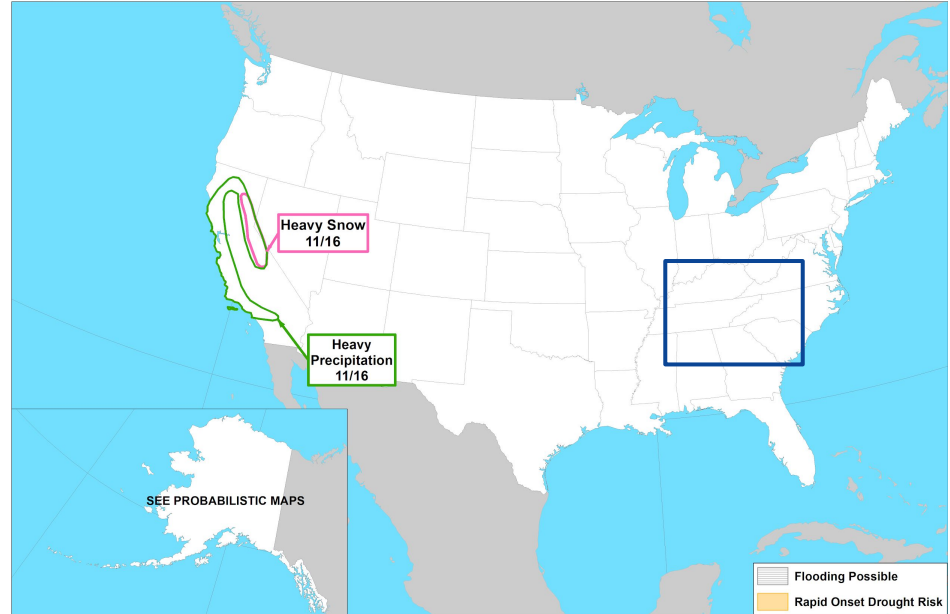
Rapid Onset Drought Outlook

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: 11/16/2023-11/22/2023



Climate Prediction Center
Made: 11/08/2023 3PM EST

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www.cpc.ncep.noaa.gov

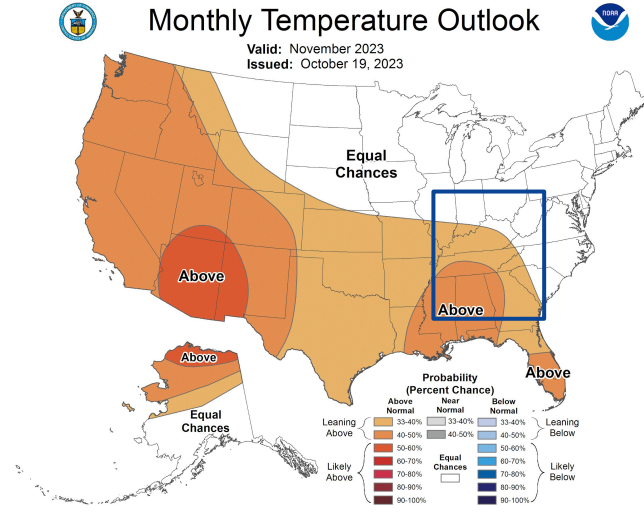
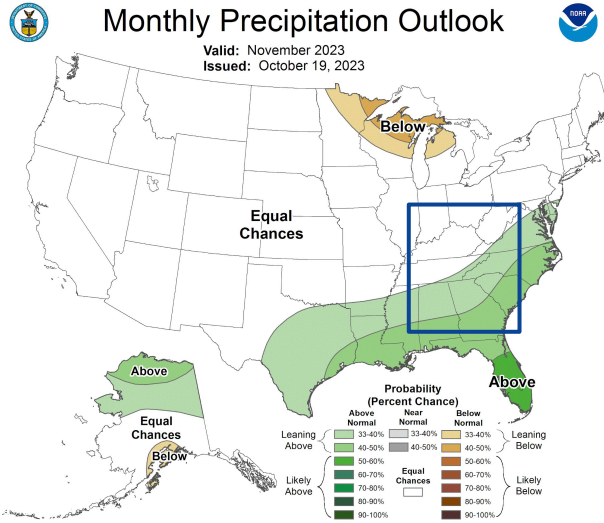




Long-Range Outlooks

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

- Above normal temperatures and near normal precipitation are favored over the next month.

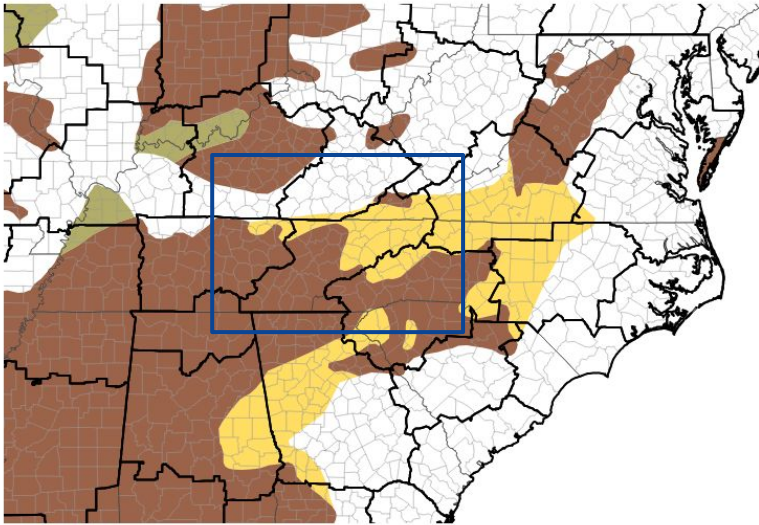




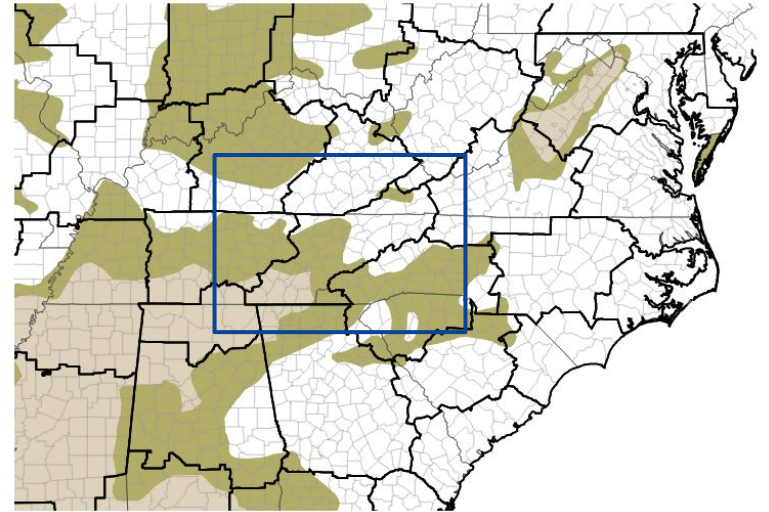
Drought Outlook

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

- Drought development is likely to continue this month.



Drought Is Predicted To...



Drought Is Predicted To...

