



Drought Information Statement

For East Tennessee, Southwest Virginia, and Southwest North Carolina

Valid November 16, 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.

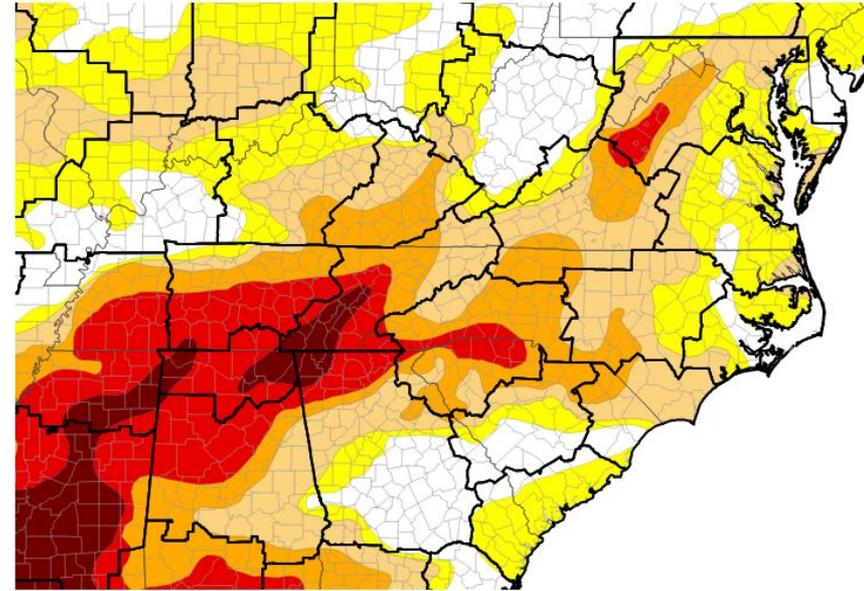




U.S. Drought Monitor

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 southeast Tennessee into parts of the central valley.
 - **D3 (Extreme Drought):** Southern Plateau, rest of southeast Tennessee, much of the central valley and northern Plateau, and Cherokee and Clay counties of North Carolina.
 - **D2 (Severe Drought):** Rest of the northern Plateau and parts of northeast Tennessee and southwest Virginia.
 - **D1 (Moderate Drought):** Rest of southwest Virginia and northeast Tennessee.
 - **D0: (Abnormally Dry):** Small part of northern Russell county Virginia.



U.S. Drought Monitor

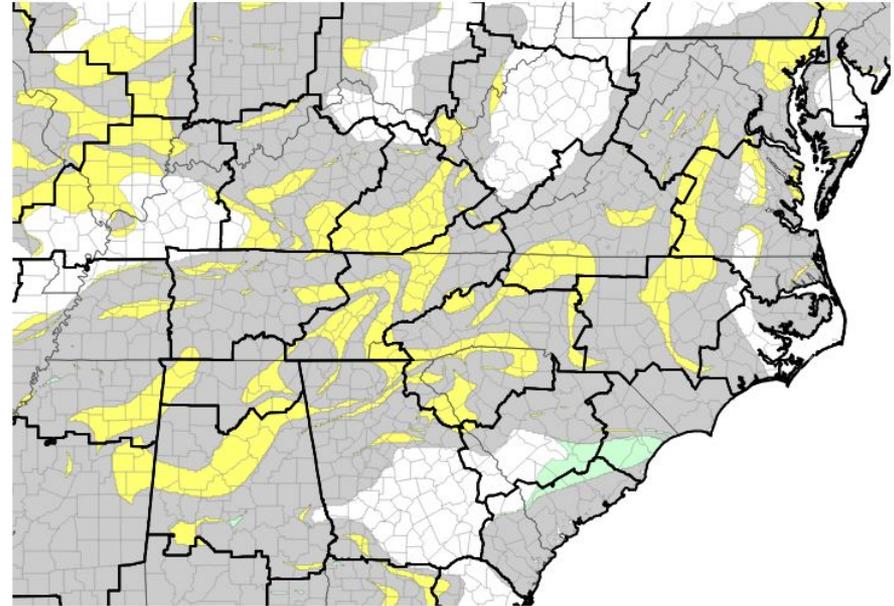




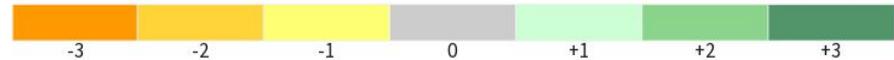
Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - **Drought Worsened:** Much of east Tennessee, southwest North Carolina, and southwest Virginia.
 - **No Change:** Parts of east Tennessee, southwest Virginia, and southwest North Carolina.
 - **Drought Improved:** None.



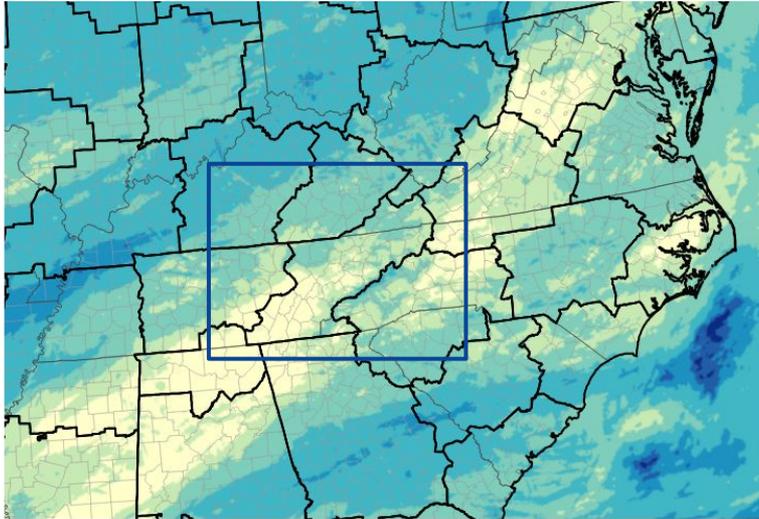
Drought Change Since Last Week



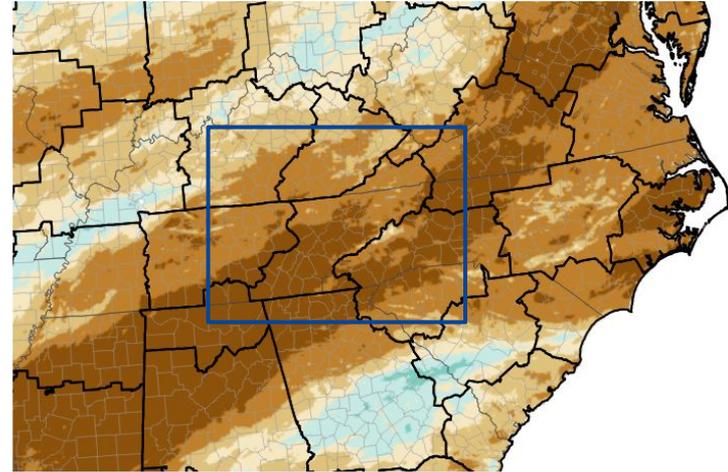


Precipitation

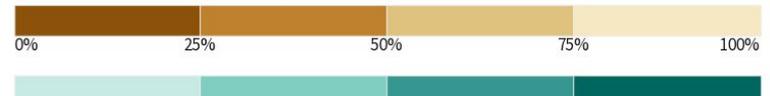
- Notably drier than normal conditions have been occurring across the region.



Inches of Precipitation



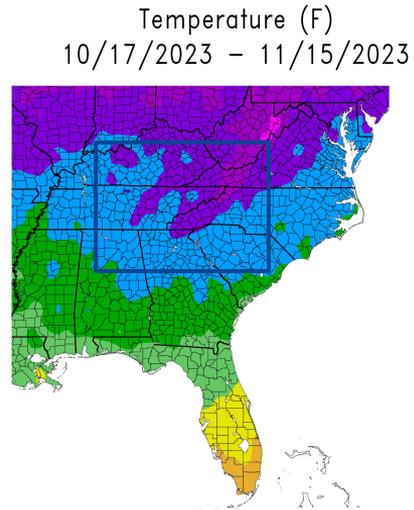
Percent of Normal Precipitation (%)



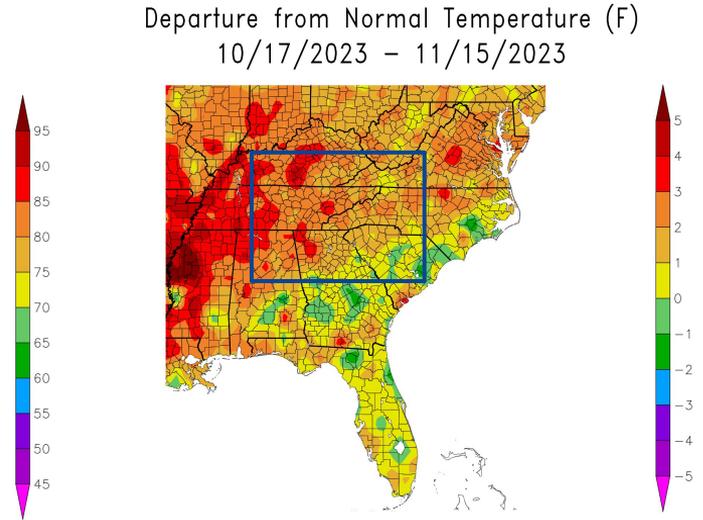


Temperature

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



Generated 11/16/2023 at HPRCC using provisional data.



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 remain low

Agricultural Impacts

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

Fire Hazard Impacts

- Tennessee Forestry reported an increase in fire activity across the entire area. A mountain wave high wind event is possibly early next week across the mountains and foothills. These conditions will produce extreme fire behavior.

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.

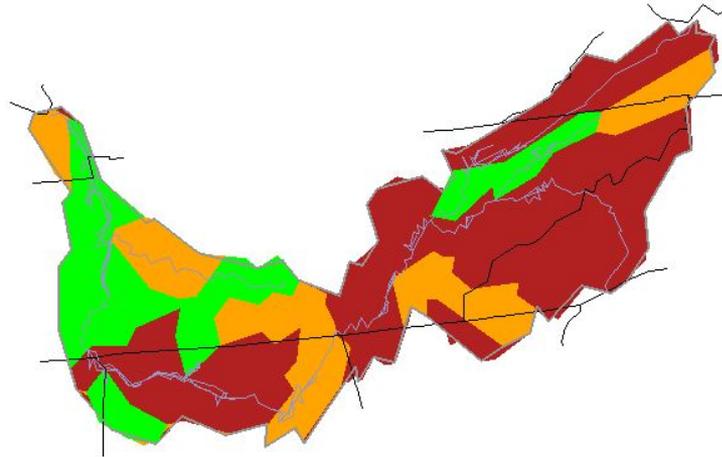




Hydrologic Conditions and Impacts

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

Hednesday, November 15, 2023



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		

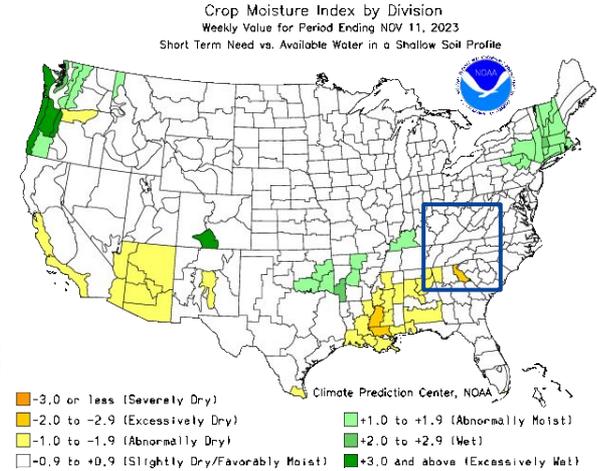
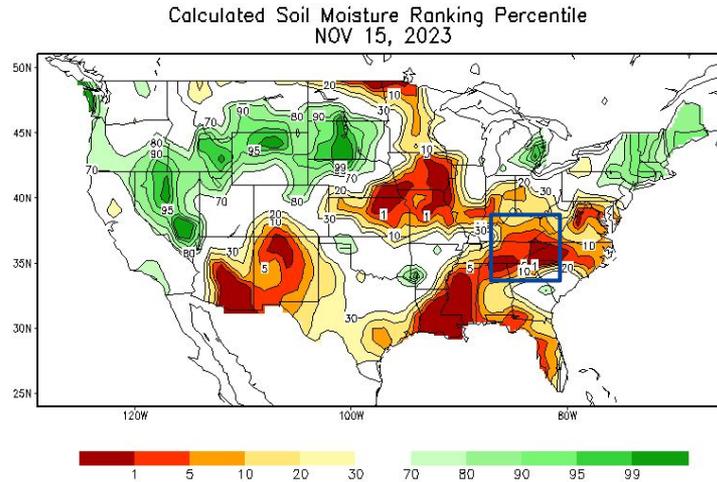
Image Caption: USGS 7 day average streamflow HUC map valid 11/15/2023





Agricultural Impacts

- Soil moisture is much drier than normal.





Fire Hazard Impacts

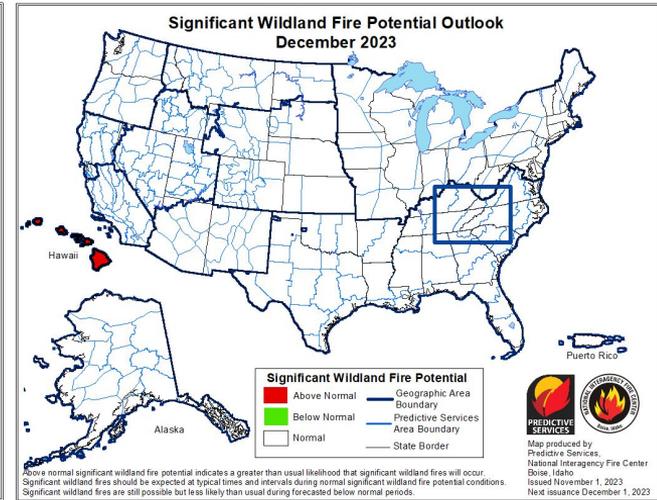
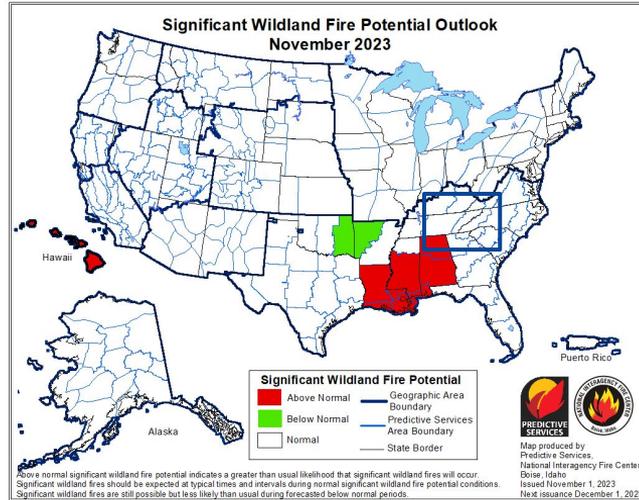
Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center.](#)

- Fire conditions are deteriorating across the entire area.
- Any Mountain Wave High Wind Events will cause extreme fire behavior.

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

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

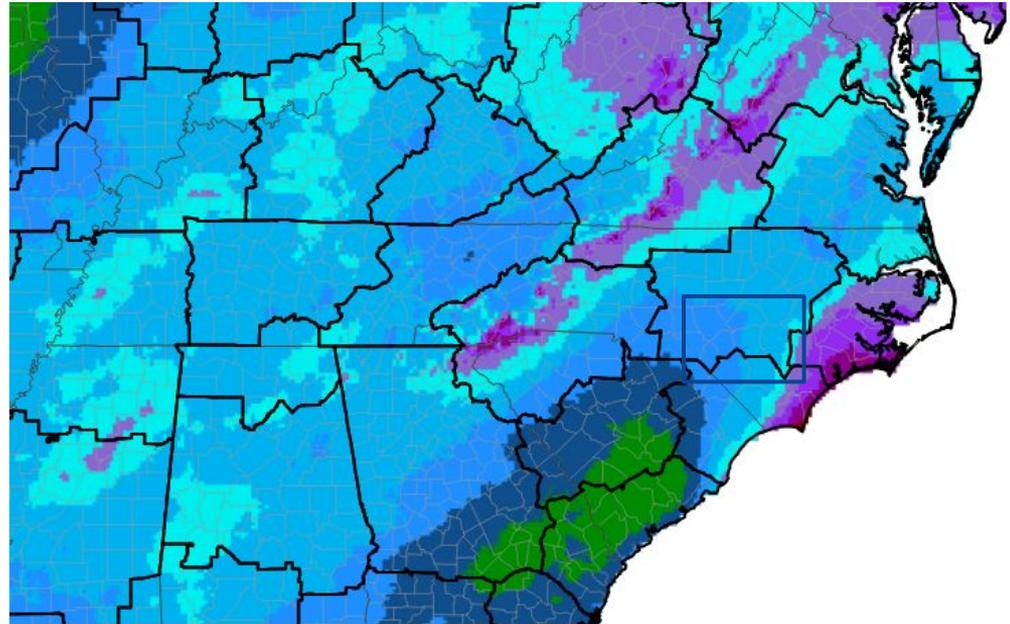
Latest NC Burn Ban information available [here.](#)



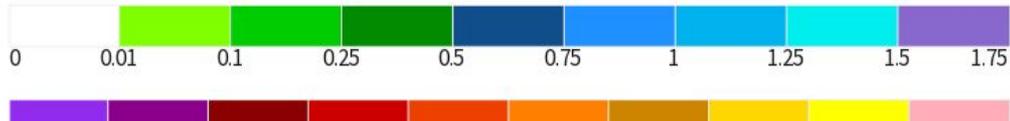


Seven Day Precipitation Forecast

- Precipitation is expected during the next 7 days.
 - Best chances of precipitation will be late Friday and Friday night, and again Monday night and Tuesday.
 - Potential of much needed rainfall area-wide especially early next week.
 - Highest precipitation amounts will be across the Plateau, southeast Tennessee, and southwest North Carolina where $\frac{1}{2}$ to 1 inch is possible.



Predicted Inches of Precipitation





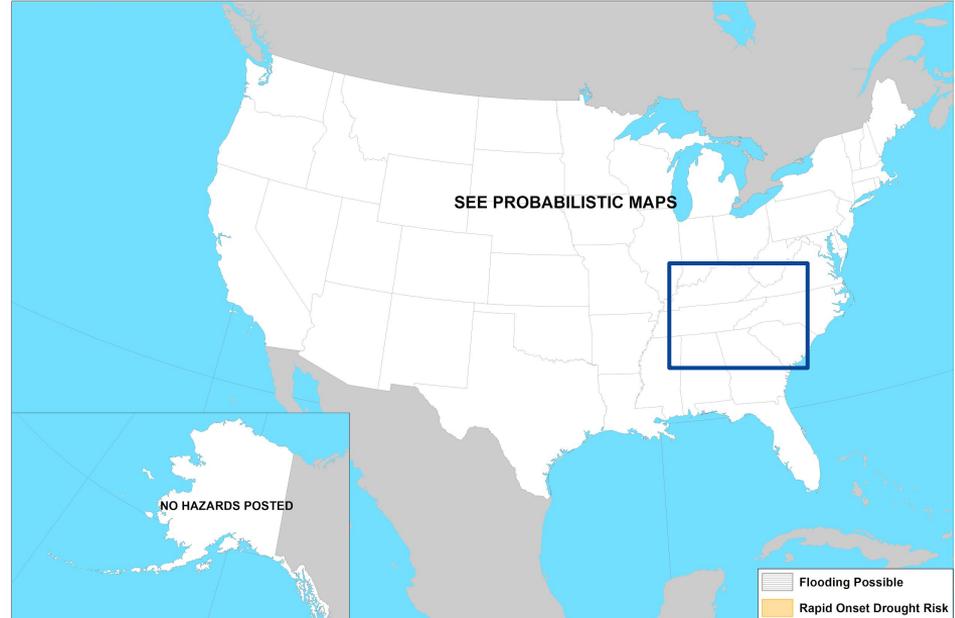
Rapid Onset Drought Outlook

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: 11/23/2023-11/29/2023



Climate Prediction Center
Made: 11/15/2023 3PM EST

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www.cpc.ncep.noaa.gov

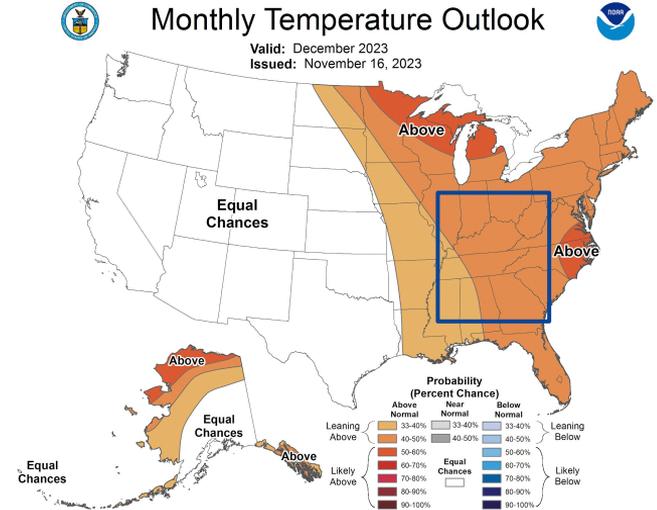
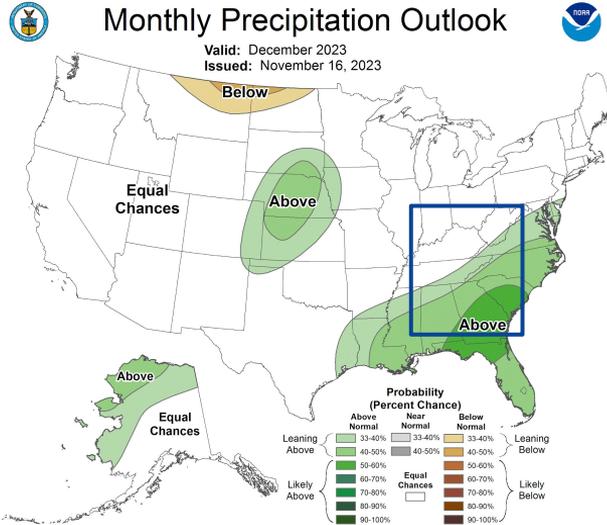




Long-Range Outlooks

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

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





Drought Outlook

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

- An improvement in drought conditions are expected across much of the area through next month.

