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Tennessee Climate Office Weekly Drought Summaries

10-5-2023

2023 October 5 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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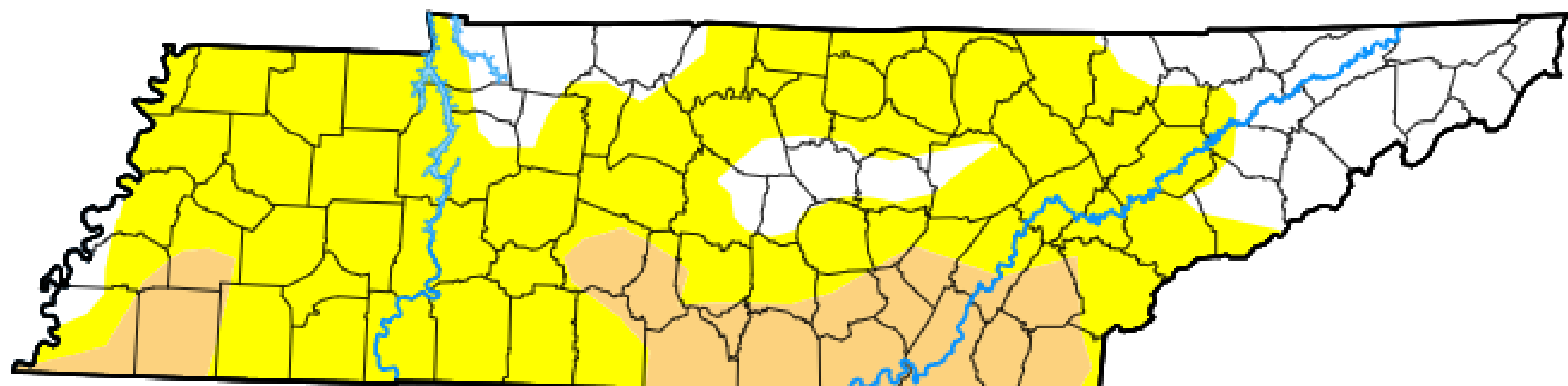
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Tennessee Drought Update

For the assessment period ending October 3rd, 2023

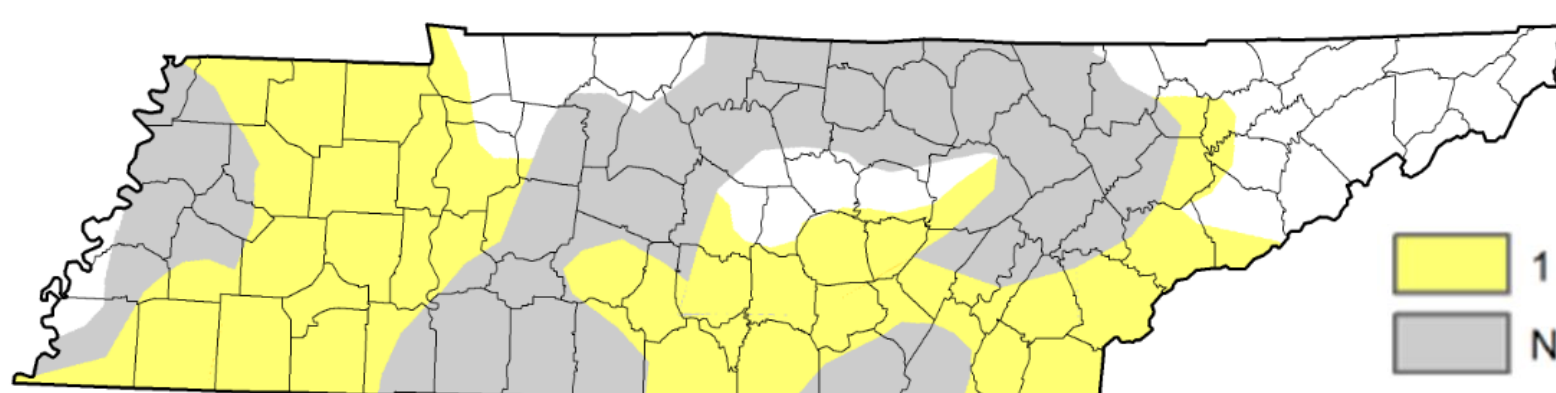
This Week's Drought Monitor of Tennessee Map

From the US Drought Monitor, authored by Brad Pugh, NOAA/CPC with input from the Tennessee Climate Office



Abnormally dry conditions have expanded; Moderate drought has been expanded across Southeast Tennessee and introduced into West Tennessee

Change Since Last Week



1 Class Degradation
 No Change

A product of the Tennessee Climate Office

www.etsu.edu/tn-climate



Statewide Condition Summary

What's Changed? Abnormally dry conditions have set in for most of the state resulting in an increase of 14% in D0 coverage with exceptions in the Northeast, along the Kentucky border, and portions of the Cumberland Plateau and Middle Tennessee. These are the result of prolonged periods of little rainfall and decreases in soil moisture.

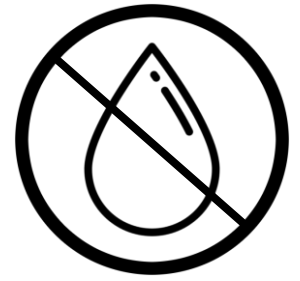
What's New? With lack of rain and soils drying out over the last drought monitoring period (Tuesday to Tuesday), D1 areas have expanded up from the borders from GA and AL. Moderate drought has been designated for counties in Southwest TN (Shelby, Fayette, Tipton, and Haywood counties).

What's Next? A line of slow moving rain with the possibility of moderate storms may bring some much needed rain to the western portion of the state. However, it is unclear if these storms will sweep across the state as a whole. Therefore, conditions may persist across Middle and East TN and the Cumberland Plateau.

Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	63.31%	+13.84%
D1: Moderate Drought	15.8%	13.49%
D2: Severe Drought	0.00%	0.00%
D3: Extreme Drought	0.00%	0.00%
D4: Exceptional Drought	0.00%	0.00%

Icon Library



No Precipitation



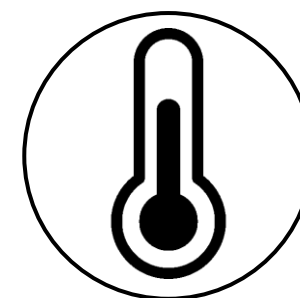
Increasing drought conditions



Rivers and Streams



Precipitation



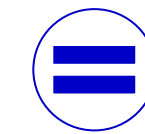
Temperatures



Improvement



A mixture of improving and worsening conditions



No Change



Worsening conditions



Hurricane/Tropical storm

5 Class Degradation

4 Class Degradation

3 Class Degradation

2 Class Degradation

1 Class Degradation

No Change

1 Class Improvement

2 Class Improvement

3 Class Improvement

4 Class Improvement

5 Class Improvement