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Tennessee Climate Office Weekly Drought Summaries

10-17-2024

2024 October 17 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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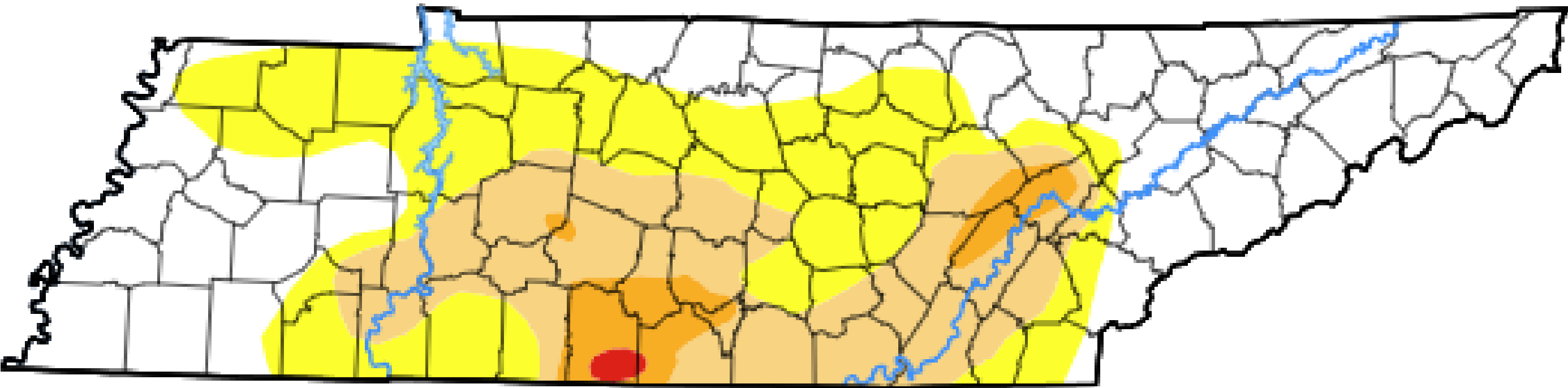
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Tennessee Drought Update

For the assessment period ending October 15th, 2024

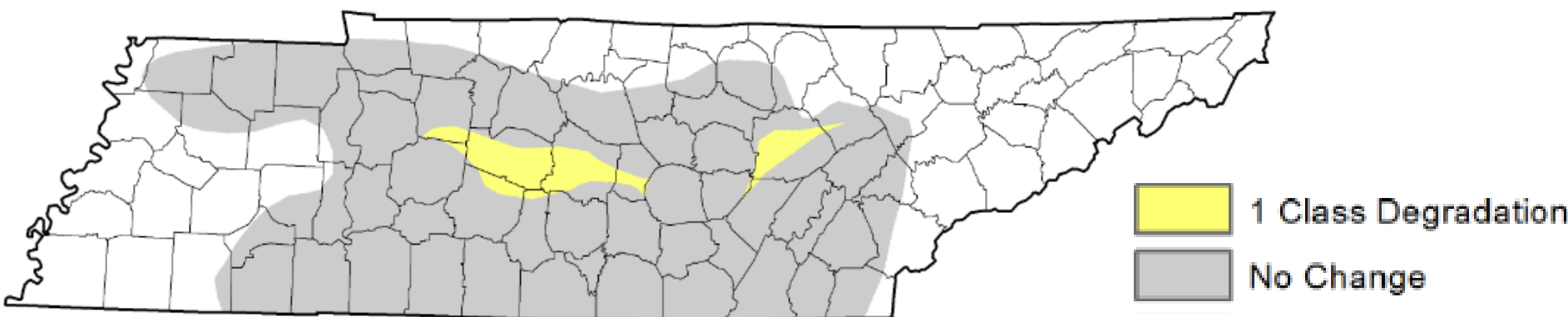
This Week's Drought Monitor of Tennessee Map

From the US Drought Monitor, authored by Brian Fuchs, NDMC with input from the Tennessee Climate Office



↓ Conditions have worsened in central Tennessee as a result of lack of rainfall and high temperatures

Change Since Last Week



A product of the Tennessee Climate Office
www.etsu.edu/tn-climate



Statewide Condition Summary

What's Changed? Over this past week, conditions have remained dry over the majority of central Tennessee. The last 7 days only brought small rainfall amounts, predominately over East Tennessee. This has slightly deepened rainfall deficits across many of the counties in Middle Tennessee and the Cumberland Plateau. Combined with slightly above average temperatures, drought conditions continue to linger. Soil moisture levels are beginning to quickly fall and stream gauges are reporting below-average streamflow in several areas. CMOR reports continue to show long-term impacts to agriculture.

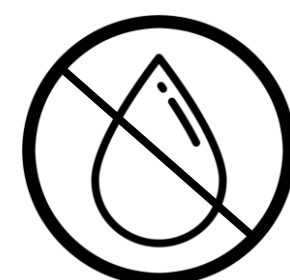
What's New? D1 expansion in Cumberland, Cannon, Maury, Williamson, and Dickson counties.

What's Next? Forecasts are predicting no precipitation over the next 7 days in Tennessee. Continued lack of rainfall may result in conditions degrading further.

Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	30.43%	-3.13%
D1: Moderate Drought	21.46%	+3.12%
D2: Severe Drought	4.69%	0%
D3: Extreme Drought	0.34%	0%
D4: Exceptional Drought	0%	0%

Icon Library



No Precipitation



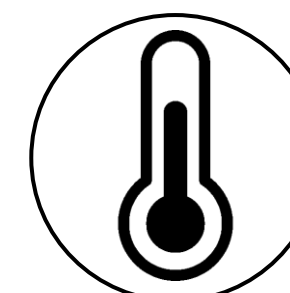
Increasing drought conditions



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