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Tennessee Climate Office Weekly Drought Summaries

10-24-2024

2024 October 24 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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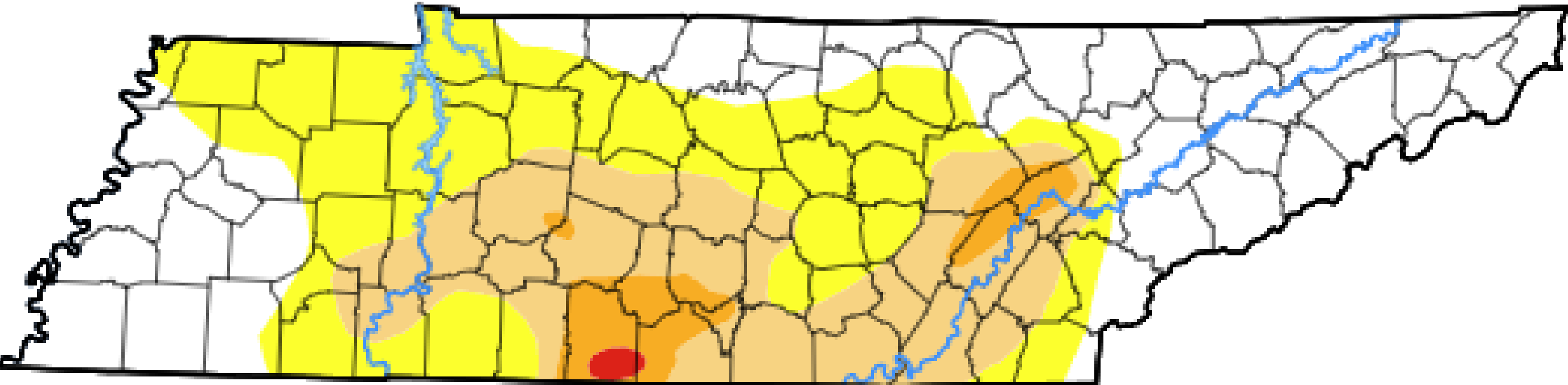
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Tennessee Drought Update

For the assessment period ending October 22nd, 2024

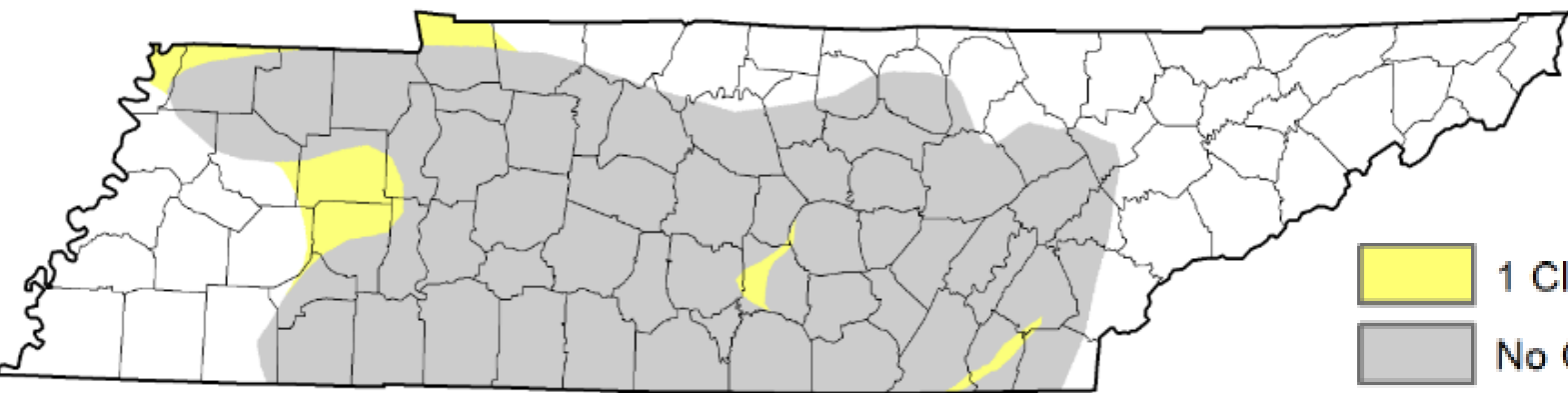
This Week's Drought Monitor of Tennessee Map

From the US Drought Monitor, authored by Rocky Bilotta, NOAA/NCEI with input from the Tennessee Climate Office



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

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? The last 7 days have brought another round of little to no rainfall across Tennessee and conditions continue to slightly worsen. The worst conditions are currently being seen across southern Middle Tennessee and parts of the Cumberland Plateau and southern valley in East Tennessee. Rainfall deficits and above-average temperatures are creating large soil moisture deficits and causing very low streamflow in some areas. Agricultural impact reports are showing that poor crop and livestock conditions are continuing to worsen.

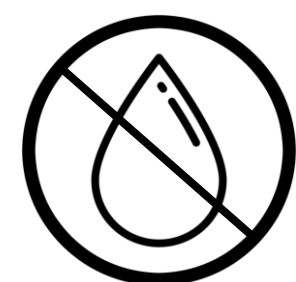
What's New? D0 conditions have expanded in West Tennessee. D1 conditions have expanded in Middle and East Tennessee, though worsening conditions have not been fully reflected by this release of the USDM possibly because of cooler temperatures that have slowed evaporative demand.

What's Next? Forecasts are predicting very little to no precipitation across the next 7 days, along with above-average temperatures (especially in West and Middle Tennessee). Conditions are likely to worsen as the week goes on.

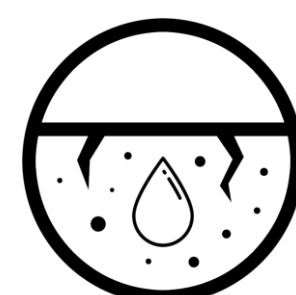
Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	60.15%	+3.23%
D1: Moderate Drought	27.05%	+0.56%
D2: Severe Drought	5.02%	0%
D3: Extreme Drought	0.34%	0%
D4: Exceptional Drought	0%	0%

Icon Library



No Precipitation



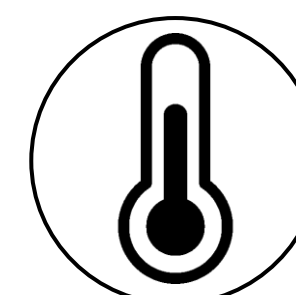
Increasing drought conditions



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