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Tennessee Climate Office Weekly Drought Summaries

10-26-2023

2023 October 26 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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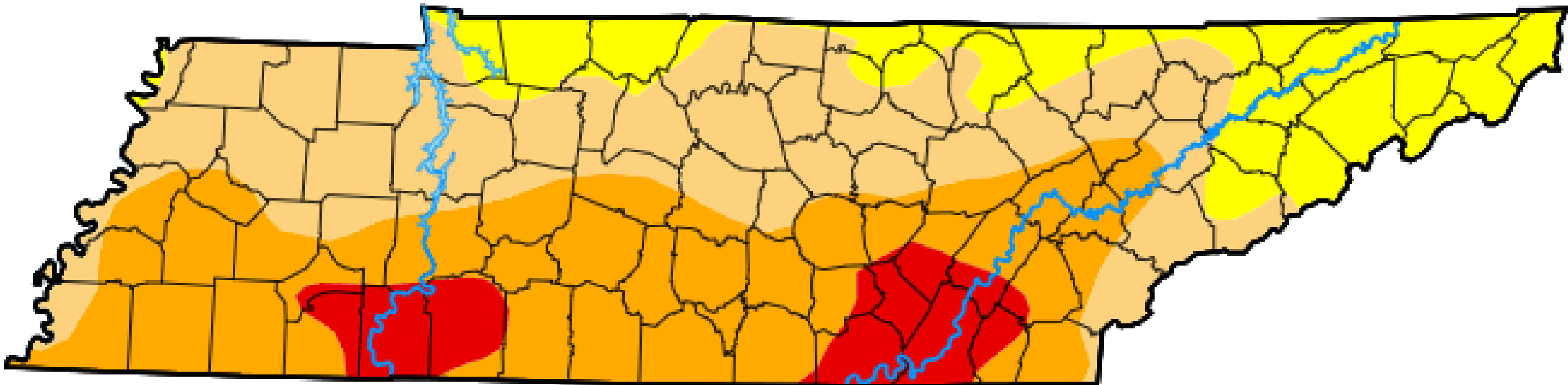
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Tennessee Drought Update

For the assessment period ending October 24th, 2023

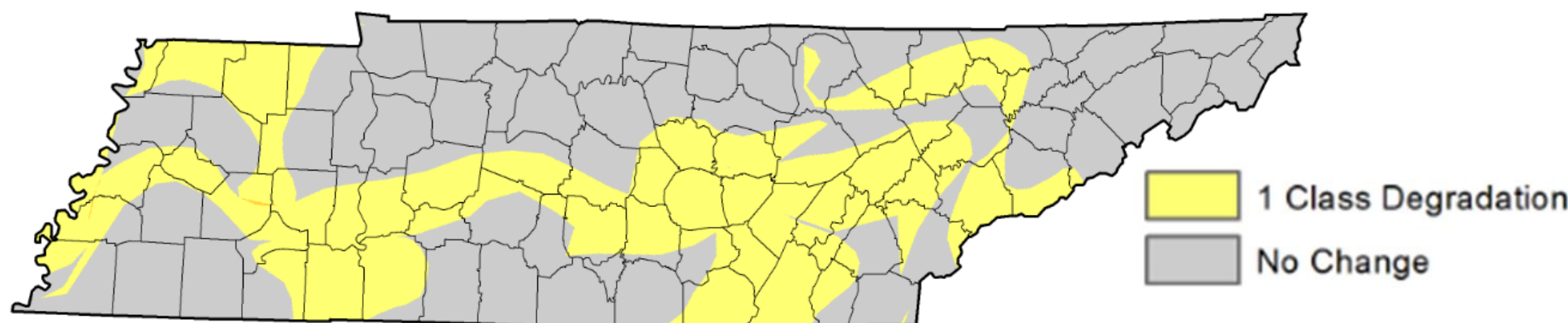
This Week's Drought Monitor of Tennessee Map

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



 Decreased average monthly rainfall leading to D1/D2 expansion and D3 introduction

Change Since Last Week



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



Statewide Condition Summary

What's Changed? Moderate to severe levels of drought are now being experienced across the majority of the state. Except for small pockets along the TN-KY border, we're seeing monthly rainfall totals of 1 inch or less for the state. Streamflow levels are continuing to drop, soils are drying, and reports of impacts to agriculture are beginning to trickle into CMOR.

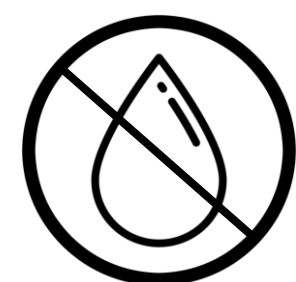
What's New? Stemming from a continued lack of rainfall over the last month, portions of the following counties have been designated under extreme drought (D3) severity: McNairy, Chester, Hardin, Wayne, Franklin, Marion, Hamilton, Bradley, McMinn, Meigs, Rhea, Bledsoe, Sequatchie, and Grundy.

What's Next? Forecasts are showing possible rainfall over the next week, possibly bringing totals of 0.25 – 2 inches to parts of West Tennessee. However, the Chattanooga area and surrounding counties may see another dry week ahead.

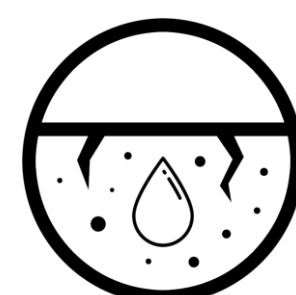
Statewide Coverage By Category

| Category | Coverage This Week | Change Since Last Week |
|-------------------------|--------------------|------------------------|
| D0: Abnormally Dry | 18.69% | -12.87% |
| D1: Moderate Drought | 36.94% | -4.48% |
| D2: Severe Drought | 35.68% | +8.67% |
| D3: Extreme Drought | 8.69% | +8.69% |
| D4: Exceptional Drought | 0.00% | 0.00% |

Icon Library



No Precipitation



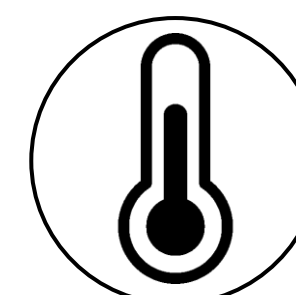
Increasing drought conditions



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