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Tennessee Climate Office Weekly Drought Summaries

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2-29-2024

### 2024 February 29 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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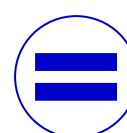
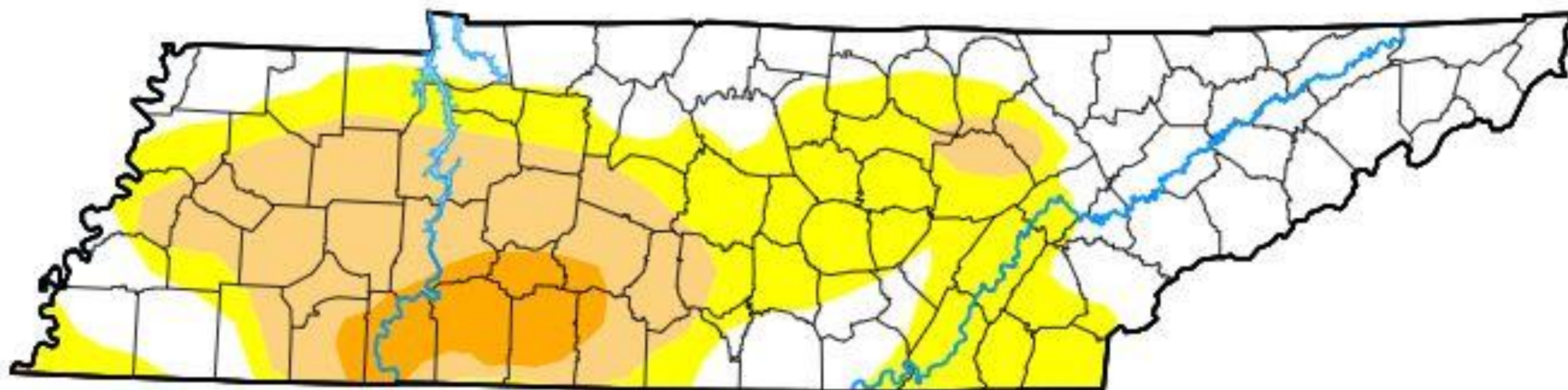
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# Tennessee Drought Update

For the assessment period ending February 27th, 2024

## This Week's Drought Monitor of Tennessee Map

*From the US Drought Monitor, authored by Richard Heim, NOAA/NCEI with input from the Tennessee Climate Office*

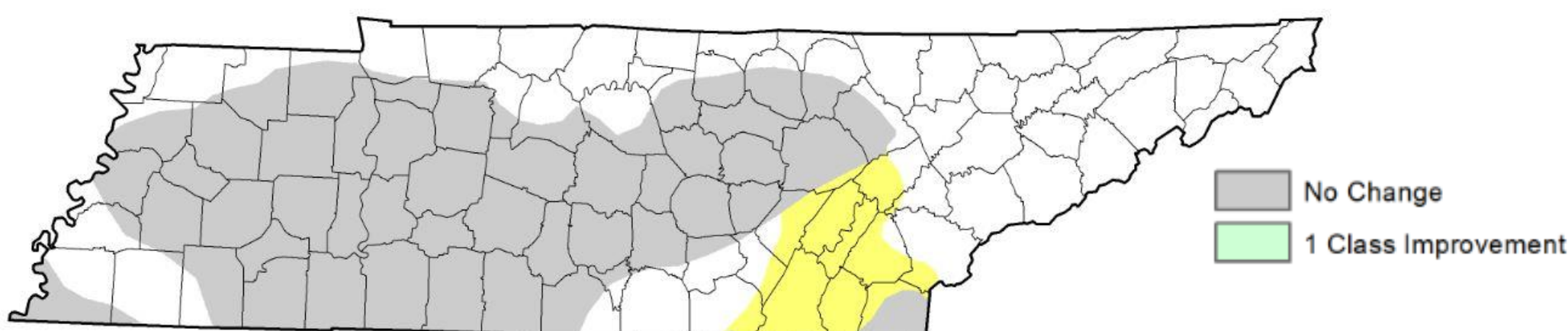


D0 – D2 conditions persist across West and Middle Tennessee, and the Cumberland Plateau



Lack of significant rainfall has led to abnormally dry conditions developing in southeast Tennessee

### Change Since Last Week



A product of the Tennessee Climate Office

[www.etsu.edu/tn-climate](http://www.etsu.edu/tn-climate)



# Statewide Condition Summary

**What's Changed?** Over the past week (2/20 – 2/27), rainfall totals were split across the northern and southern half of Tennessee. While most of the northern half received 1 – 3 inches, the majority of the southern half only received 0.3 – 0.5 inches. This has led to dry conditions either persisting or worsening across the majority of southern Tennessee. Decreasing soil moisture and streamflows were observed over the past week, primarily in the southeastern region of the state.

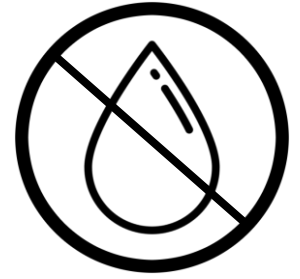
**What's New?** D0 areas have expanded across Polk, Bradley, Hamilton, Marion, Sequatchie, Bledsoe, Rhea, Meigs, Roane, and McMinn counties.

**What's Next?** Over the next 7 days, forecasts are predicting some much-needed rainfall across the state. The majority of the state is projected to receive 1.5 – 1.75 inches, with southern Tennessee set to see totals of 1.75 – 2 inches.

## Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	30.22%	+6.69%
D1: Moderate Drought	21.41%	0%
D2: Severe Drought	5.7%	0%
D3: Extreme Drought	0%	0%
D4: Exceptional Drought	0%	0%

# Icon Library



No Precipitation



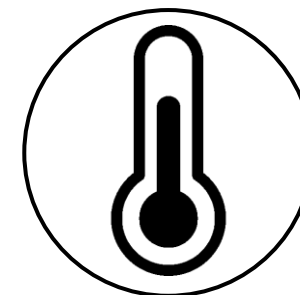
Increasing drought conditions



Rivers and Streams



Precipitation



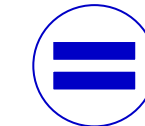
Temperatures



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