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Tennessee Climate Office Weekly Drought Summaries

2-22-2024

2024 February 22 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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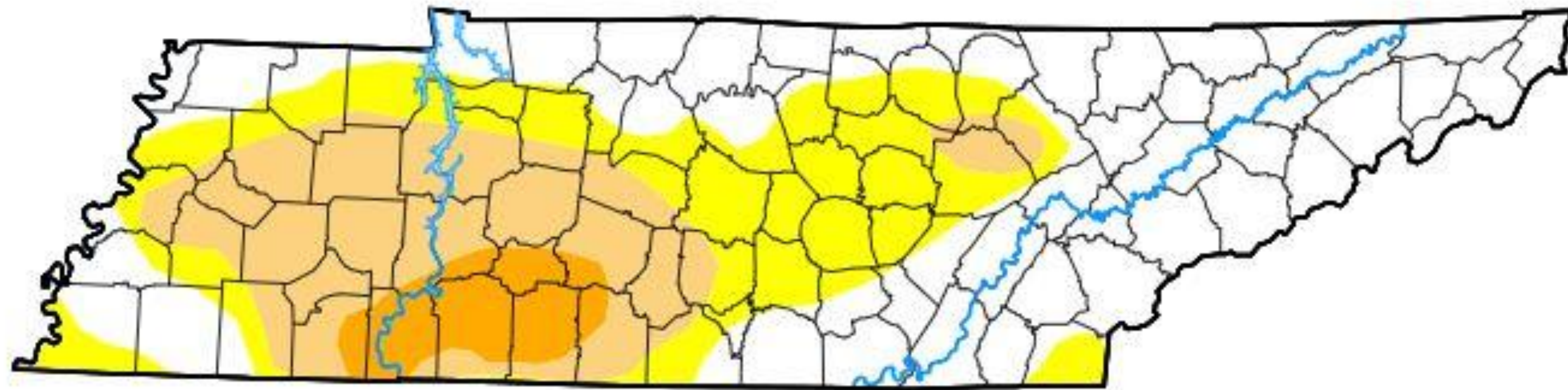
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Tennessee Drought Update

For the assessment period ending February 22nd, 2024

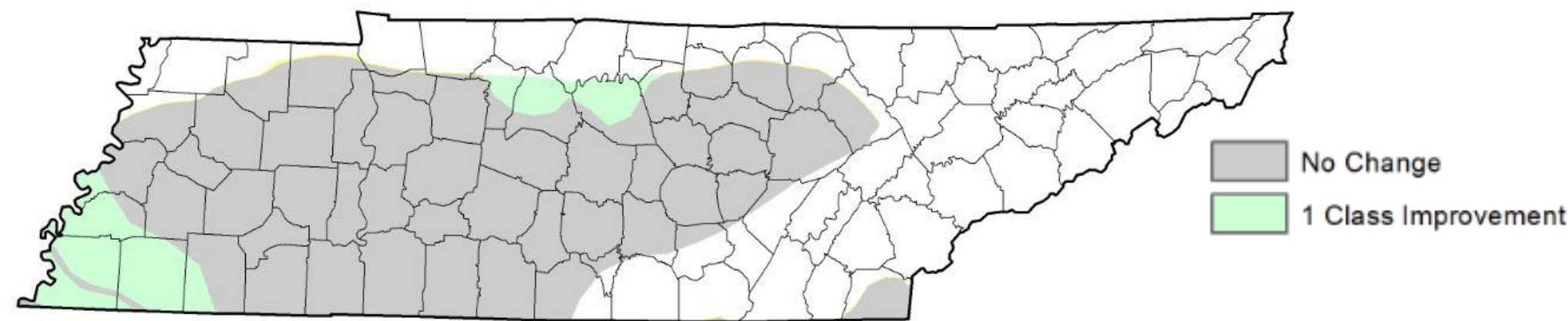
This Week's Drought Monitor of Tennessee Map

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



 Recent rainfall has led to the removal of D0 conditions

Change Since Last Week



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



Statewide Condition Summary

What's Changed? Over the past week, the majority of Tennessee received 0.5 – 2 inches of rainfall, which was enough precipitation to remove D0 designations in the southwest and upper-Middle Tennessee. The 1 – 3 month drought indices are showing continued improvement; however, some areas are still holding onto the impacts from Fall 2023. Soil moisture levels are still low across Northwest Tennessee, but are showing slow improvement. Streamflow rates continue to show normal conditions.

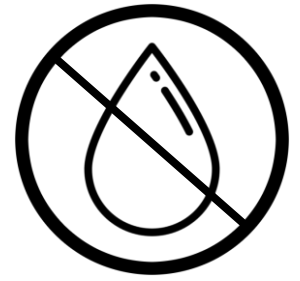
What's New? D0 areas have been removed over Shelby, Lauderdale, Fayette, Hardeman, Tipton, Cheatham, Davidson, and Wilson counties.

What's Next? Over the next 7 days, forecasts are predicting rainfall of 1 – 1.5 inches over most of Tennessee, with Southeast Tennessee receiving the higher end of rain.

Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	23.53%	-4.86%
D1: Moderate Drought	21.41%	-0.74%
D2: Severe Drought	5.7%	0%
D3: Extreme Drought	0%	-1.13%
D4: Exceptional Drought	0%	0%

Icon Library



No Precipitation



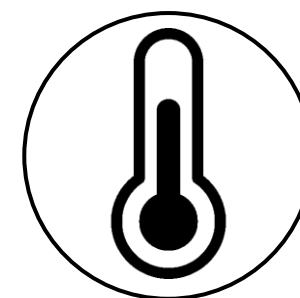
Increasing drought conditions



Rivers and Streams



Precipitation



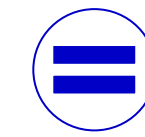
Temperatures



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