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Tennessee Climate Office Weekly Drought Summaries

11-2-2023

2023 November 2 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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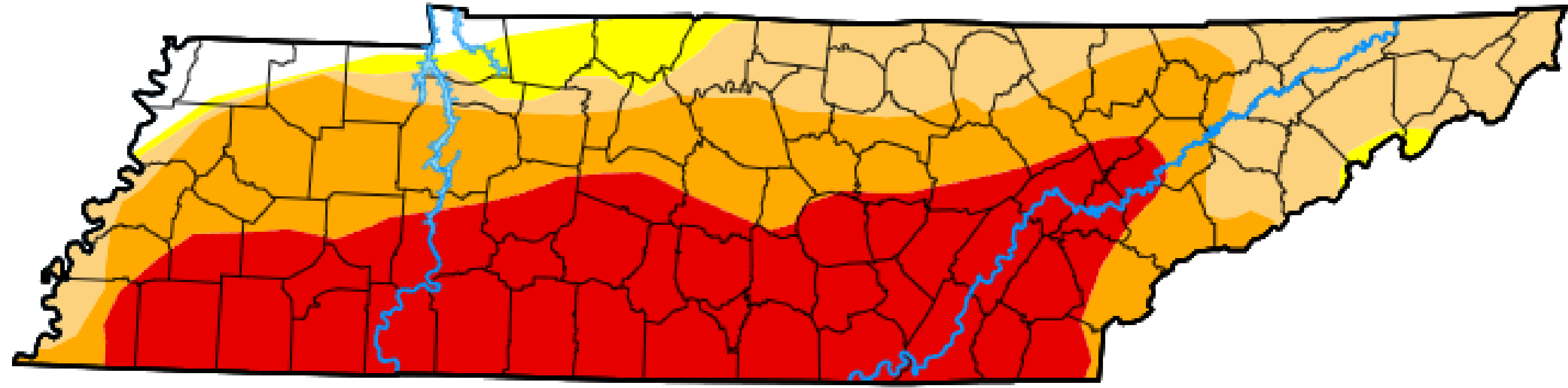
Tennessee Drought Update

For the assessment period ending October 31st, 2023

Statewide Condition Summary

This Week's Drought Monitor of Tennessee Map

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



What's Changed? Moderate to extreme levels of drought are now impacting ~92% of the state. Reports of dry pastures and soils, decreased pond levels, and other agricultural impacts are being seen. Streamflow levels are continuing to slowly drop and areas in Northeast Tennessee are beginning to experience drier conditions. Extreme drought (D3) conditions are quickly moving across the southern half of the state (33% increase in coverage from last week).

What's New? Rainfall across Northwest Tennessee (~2-4 inches) brought a two class relief to cities like Dyersburg, Union City, and Martin. Soil moisture is beginning to rebound and conditions are improving.

What's Next? Forecasts are showing very little rainfall over the next week, with most precipitation occurring north of the state. As we move into November, the possibility for rain may increase with the start of the wetter season.

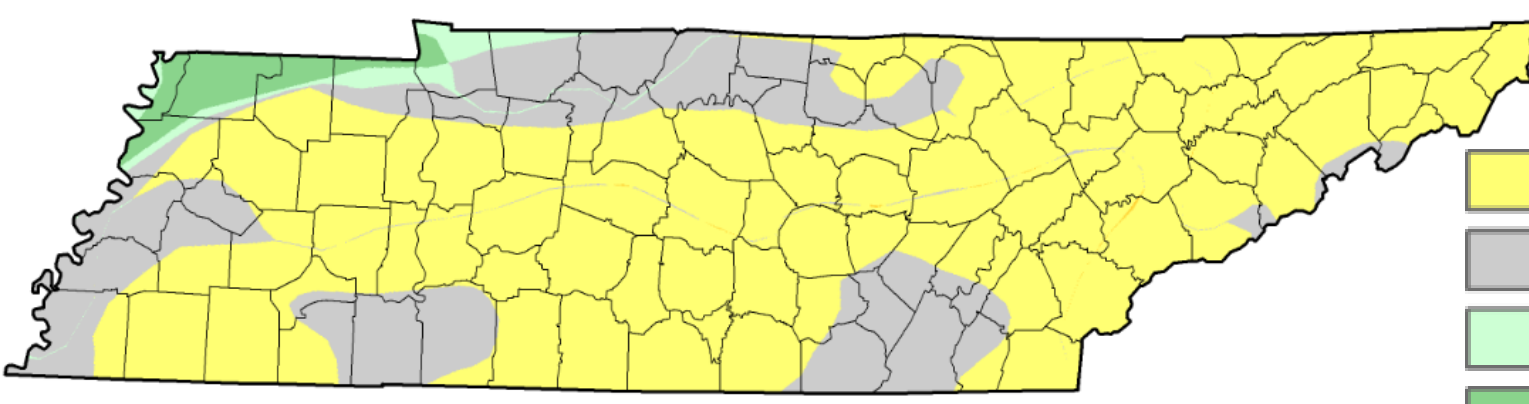
↑ Rainfall alleviating D1 conditions in Northwest Tennessee

↓ Decreased average monthly rainfall leading to D2/D3 expansion across majority of Tennessee

Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	4.62%	-14.07%
D1: Moderate Drought	22.17%	-14.77%
D2: Severe Drought	28.92%	-6.76%
D3: Extreme Drought	40.91%	+33.22%
D4: Exceptional Drought	0.00%	0.00%

Change Since Last Week

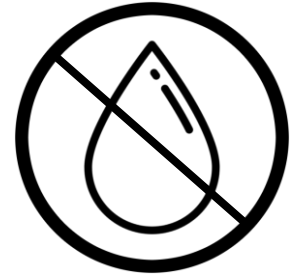


- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement

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Icon Library



No Precipitation



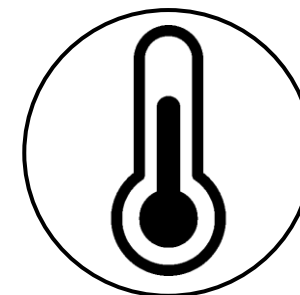
Increasing drought conditions



Rivers and Streams



Precipitation



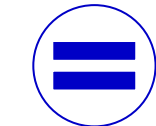
Temperatures



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