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Tennessee Climate Office Weekly Drought Summaries

11-15-2024

2024 November 15 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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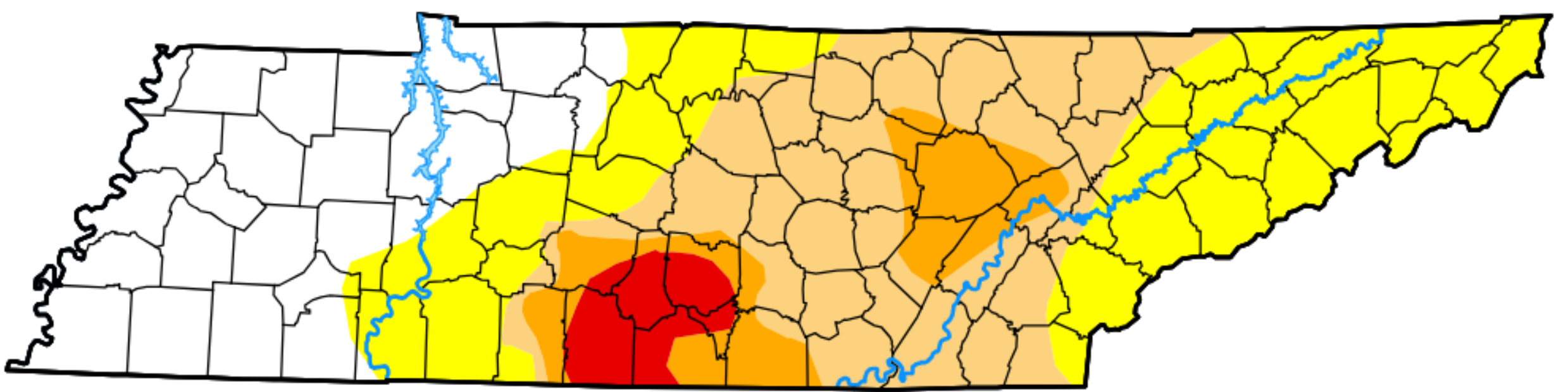
Tennessee Drought Update

For the assessment period ending November 14th, 2024

Statewide Condition Summary

This Week's Drought Monitor of Tennessee Map

From the US Drought Monitor, authored by Richard Tinker, NOAA/NWS/NCEP/CPC with input from the Tennessee Climate Office



↑ Conditions have improved in West Tennessee following recent rainfall

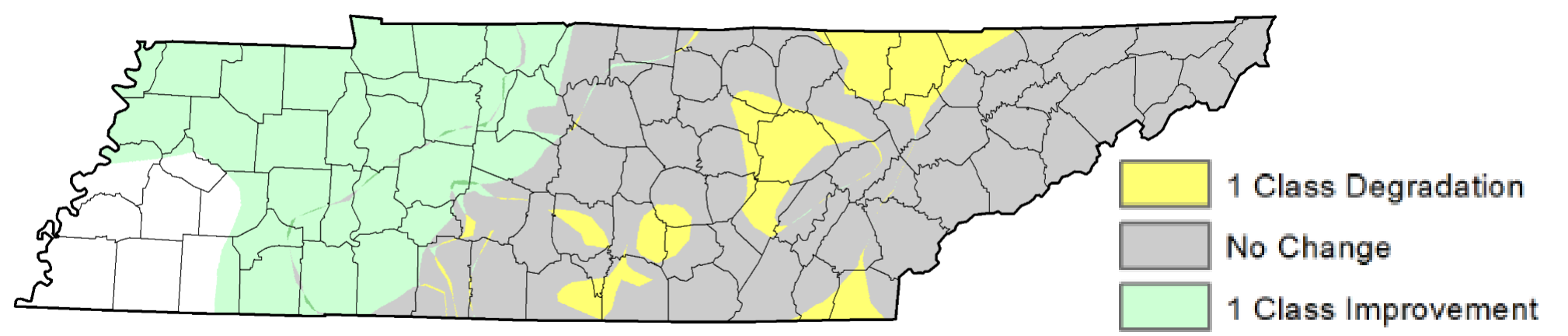
↓ Conditions have worsened in East and Middle Tennessee as a result of lack of rainfall and high temperatures

What's Changed? Rainfall was variable this week across Tennessee, with areas of West Tennessee receiving as high as 5 inches while the majority of East Tennessee and the Cumberland Plateau received between 0.1 – 1 inches. Physical data like streamflow and soil moisture percentiles reflect this variation. Tennessee also experienced another week of above-average temperatures.

What's New? D0 and D1 conditions have improved across multiple counties in West and Middle Tennessee. D1 conditions have expanded across the TN-KY border. D2 and D3 conditions have expanded in southern Middle Tennessee, and D2 conditions have expanded in the central Cumberland Plateau.

What's Next? Forecasts are predicting moderate rainfall totals of 0.1 – 0.5 inches across Tennessee over the next 7 days. This may slow down the expansion of moderate/severe drought conditions.

Change Since Last Week



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



Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	30.22%	-16.16%
D1: Moderate Drought	26.97%	-8.55%
D2: Severe Drought	8.82%	+3.36%
D3: Extreme Drought	3.97%	+0.38%
D4: Exceptional Drought	0%	0%

Icon Library



No Precipitation



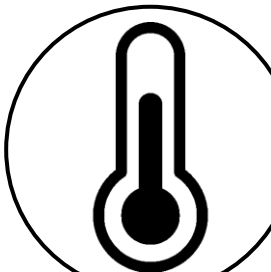
Increasing drought conditions



Rivers and Streams



Precipitation



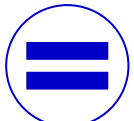
Temperatures



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