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Tennessee Climate Office Weekly Drought Summaries

5-2-2024

2024 May 2 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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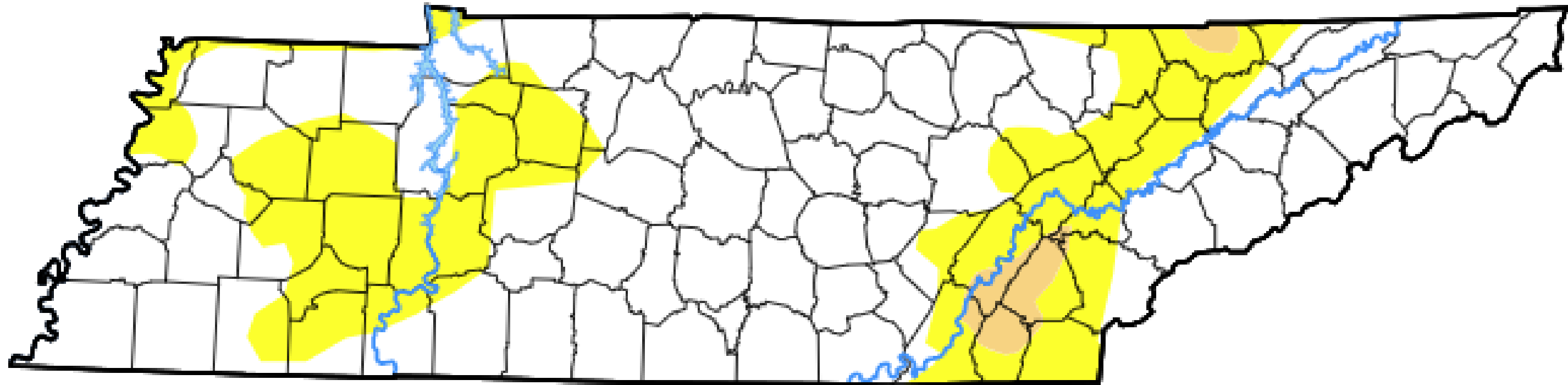
Tennessee Drought Update

For the assessment period ending April 30th, 2024

Statewide Condition Summary

This Week's Drought Monitor of Tennessee Map

From the US Drought Monitor, authored by Curtis Riganti, NDMC with input from the Tennessee Climate Office



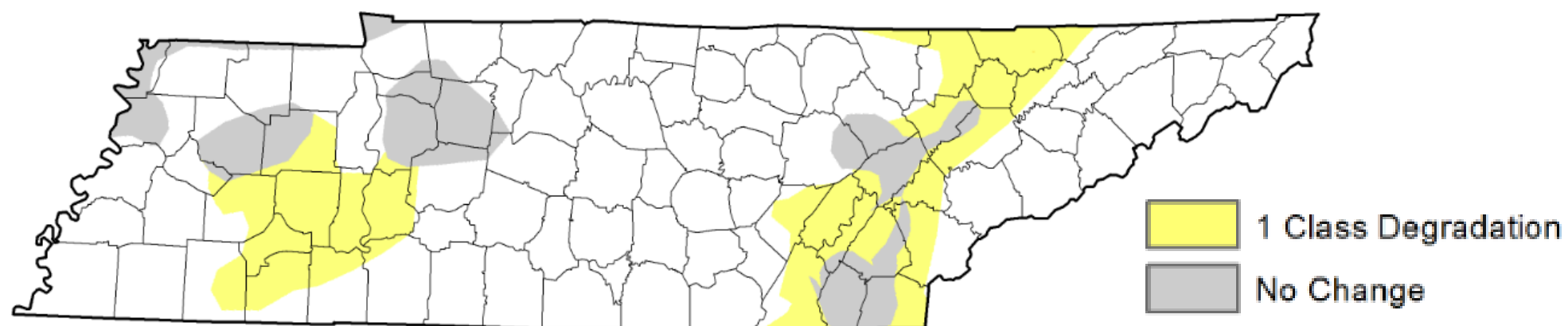
Lack of rainfall has led to worsening conditions in West and East Tennessee and the Cumberland Plateau

What's Changed? Most of the rainfall that occurred in the last week fell over Middle Tennessee, leaving the rest of the state drier than usual. This led to the expansion of drought conditions across the state, predominately in East and West Tennessee. Soil moisture and streamflow rates have been on a decreasing trend this week as well.

What's New? D0 conditions have expanded southwards across West Tennessee as well as to both the northern and southern borders in East Tennessee and the Cumberland Plateau. D1 conditions have been added to Claiborne, Hamilton, Bradley, Polk, McMinn, Meigs, and Loudon counties.

What's Next? Over the next 7 days, forecasts are depicting a large precipitation system to move across the southern U.S. Projected rainfall totals vary from 1.75 – 2 inches in East Tennessee to 3 – 4 inches across Middle and West Tennessee. This amount of rainfall may be sufficient in halting the spread of drought conditions over the next week.

Change Since Last Week



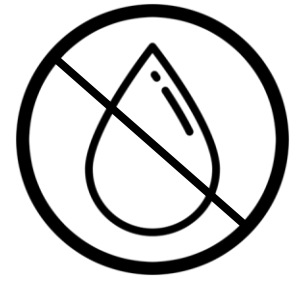
A product of the Tennessee Climate Office
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Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	26.24%	+14.8%
D1: Moderate Drought	2.01%	+1.26%
D2: Severe Drought	0%	0%
D3: Extreme Drought	0%	0%
D4: Exceptional Drought	0%	0%

Icon Library



No Precipitation



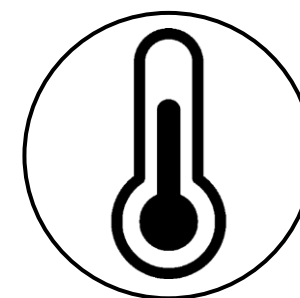
Increasing drought conditions



Rivers and Streams



Precipitation



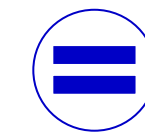
Temperatures



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