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Tennessee Climate Office Weekly Drought Summaries

12-7-2023

2023 December 7 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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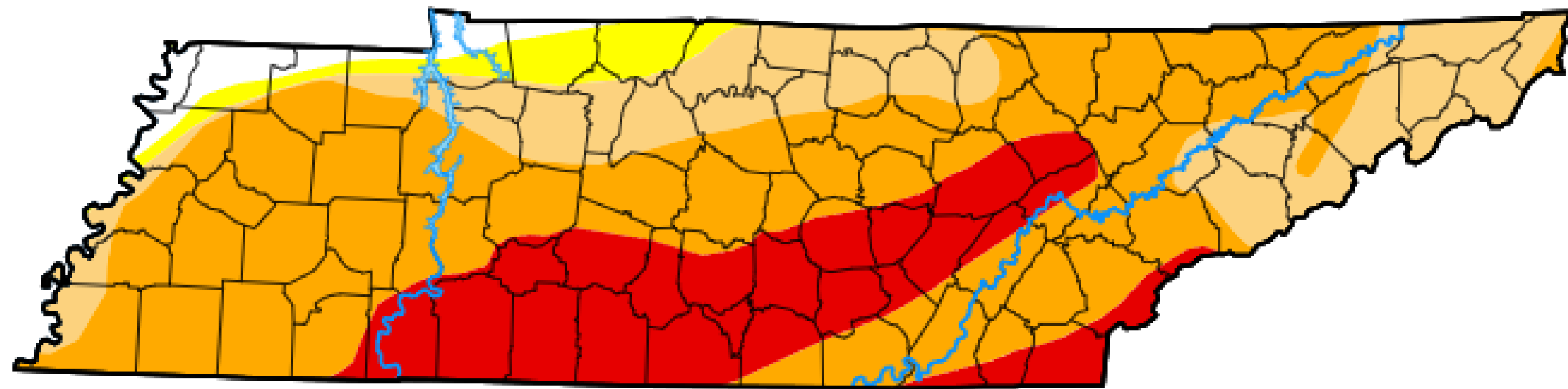
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Tennessee Drought Update

For the assessment period ending December 5th, 2023

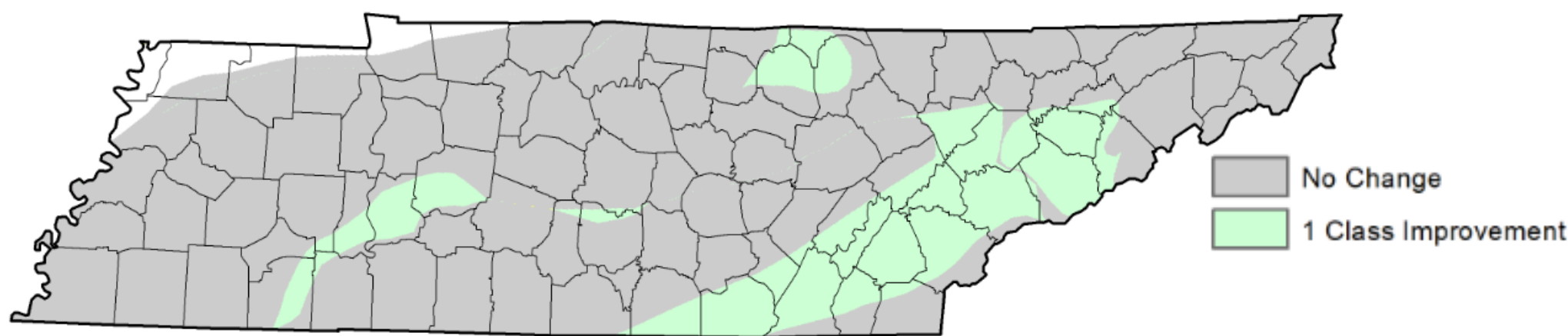
This Week's Drought Monitor of Tennessee Map

From the US Drought Monitor, authored by David Simeral, WRCC/NDMC with input from the Tennessee Climate Office



 Recent rainfall leading to 1 category improvement across Tennessee

Change Since Last Week



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



Statewide Condition Summary

What's Changed? Similar to the previous monitoring period, areas across Tennessee saw 1 category improvements following the rainfall experienced over the past week. The majority of the state received ~1 inch of rain; however, areas in East Tennessee and the Cumberland Plateau recorded ~3 - 5 inch totals over the week. Soil moisture recharge is continuing to improve; however, streamflows are still low, especially in East Tennessee. Fewer impacts were reported over the past week; although, some observers are still reporting impacted pastures and supplemental cattle feeding.

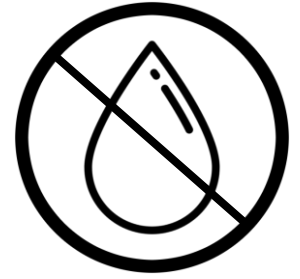
What's New? Some areas of D2 and D3 were improved to D2 and D1, respectively.

What's Next? Over the next week, forecasts show Tennessee receiving more rainfall, with most of total rainfall occurring over the weekend. 7-day forecasts are projecting most the state to receive 1 inch of rainfall with the eastern half receiving 1.5 – 2 inches. This rainfall may be enough to alleviate all D3 areas.

Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	3.92%	+0.04%
D1: Moderate Drought	20.17%	+4.47%
D2: Severe Drought	50.96%	+8.46%
D3: Extreme Drought	21.90%	-12.96%
D4: Exceptional Drought	0%	-9.04%

Icon Library



No Precipitation



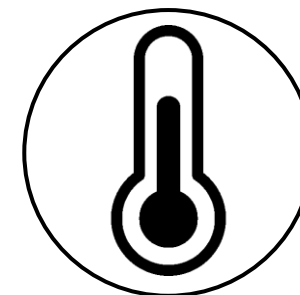
Increasing drought conditions



Rivers and Streams



Precipitation



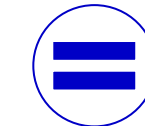
Temperatures



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