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Tennessee Climate Office Weekly Drought Summaries

12-28-2023

2023 December 28 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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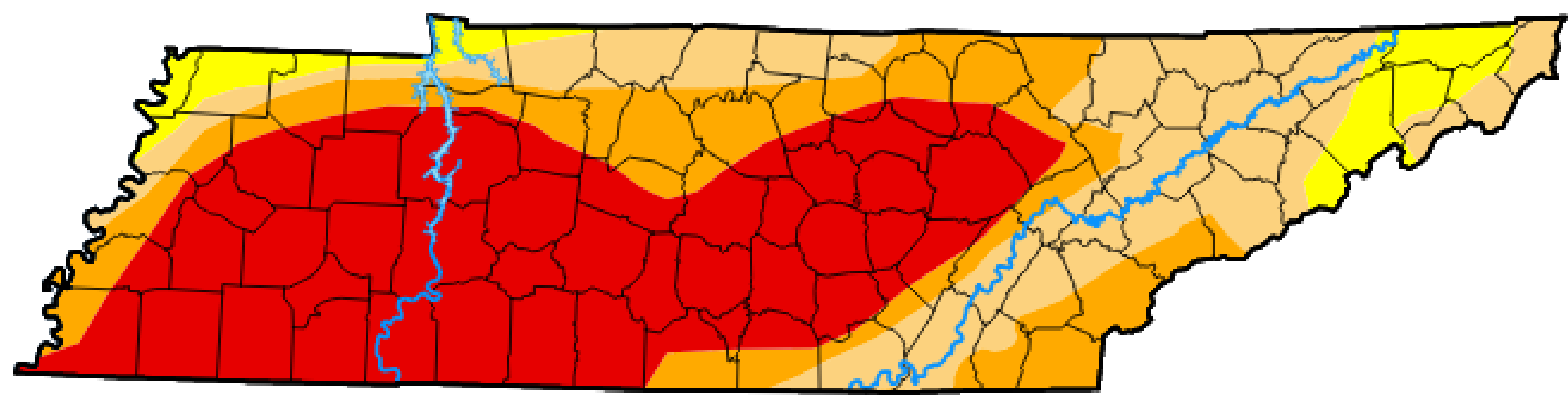
Tennessee Drought Update

For the assessment period ending December 26th, 2023

Statewide Condition Summary

This Week's Drought Monitor of Tennessee Map

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



↓ Little to no rain across West and Middle TN, resulting in D3 expansion

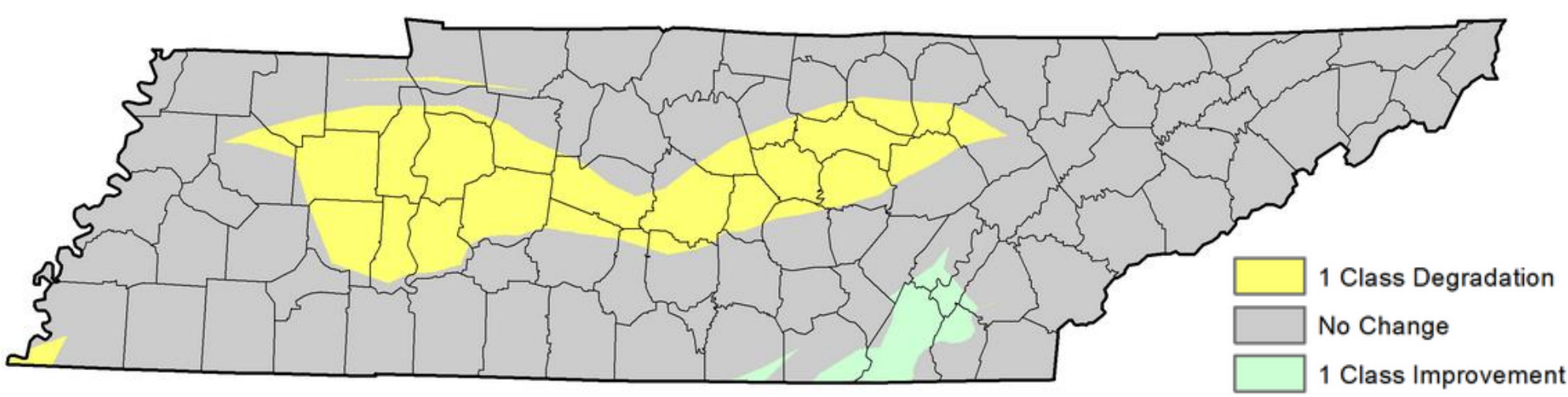
↑ Recent rainfall leading to 1 category improvement in and around the Chattanooga area

What's Changed? Chattanooga and some surrounding locations received 1" or more of rain over the last monitoring period (Tuesday to Tuesday), resulting in improvement from Severe Drought to Moderate Drought. West and Middle Tennessee missed out on significant rainfall, resulting in a northward expansion of Extreme Drought.

What's New? Extreme Drought (D3) was again extended in West and Middle Tennessee with over 45% of the state in Extreme Drought (a >17% increase from last week). The Chattanooga area improved to Moderate Drought (D1) – the first time this area has not been in Severe Drought (D2) or worse since September.

What's Next? Over the next week, forecasts show minimal rainfall potential of less than 0.1" across Tennessee. This may result in widespread degradation with Exceptional Drought (D4) possible in southern Middle Tennessee.

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	6.78%	0.00%
D1: Moderate Drought	25.31%	+2.10%
D2: Severe Drought	21.16%	-19.8%
D3: Extreme Drought	46.75%	+17.70%
D4: Exceptional Drought	0.00%	0.00%

Icon Library



No Precipitation



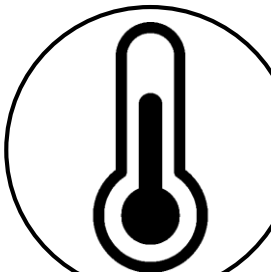
Increasing drought conditions



Rivers and Streams



Precipitation



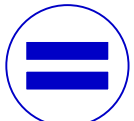
Temperatures



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