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Tennessee Climate Office Monthly Report

8-2024

2024 August - Tennessee Monthly Climate Report

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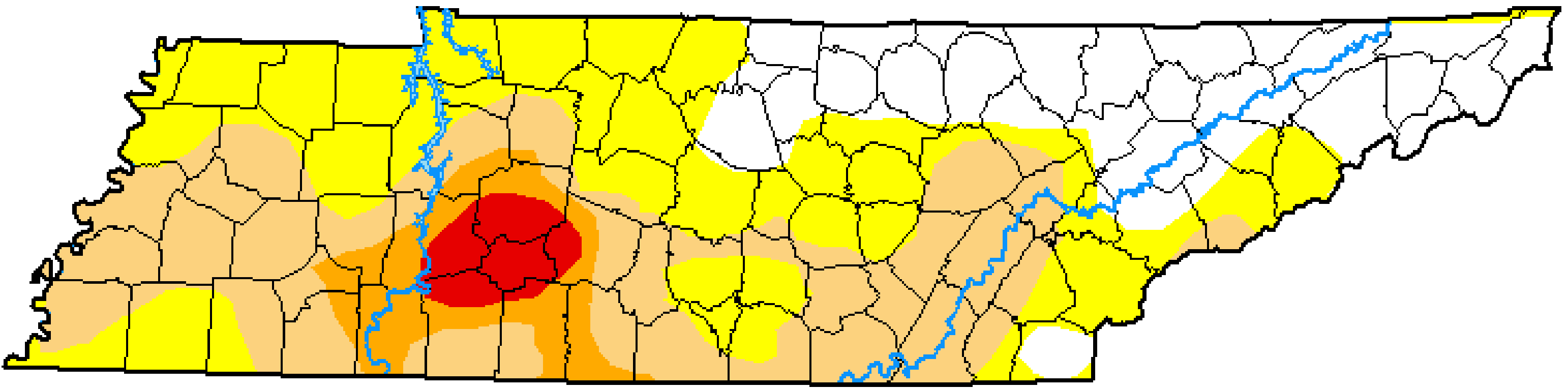
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Tennessee Drought Update

For the assessment period ending August 27th, 2024

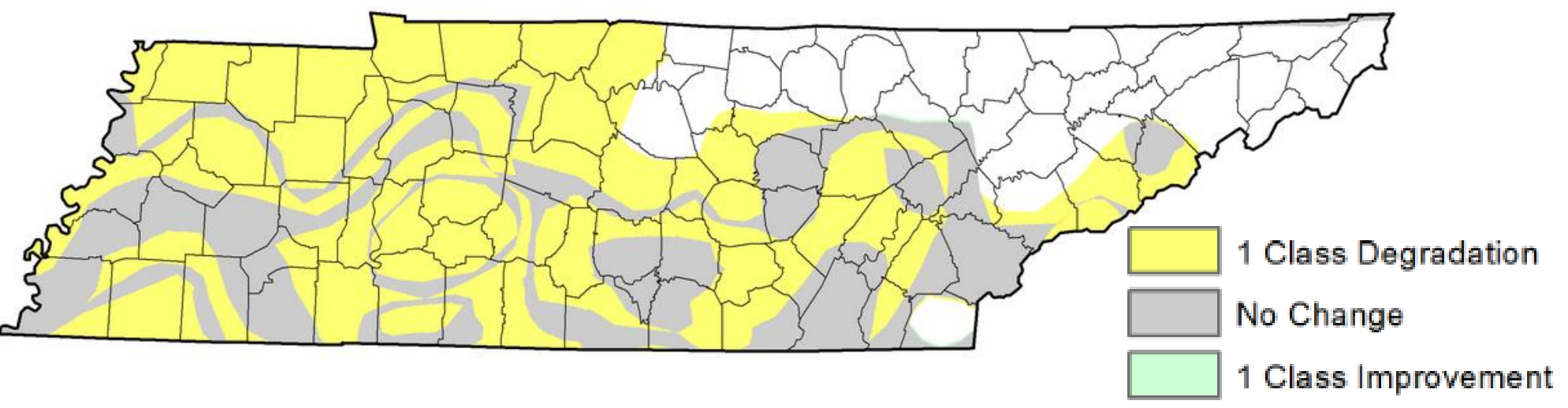
This Week's Drought Monitor of Tennessee Map

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



↓ Conditions continue to deteriorate across all of Tennessee with a lack of rainfall combined with increasing temperatures.

Change Since Last Week



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



Statewide Condition Summary

What's Changed? No measurable rainfall fell across Tennessee this week, leading to an expansion of Moderate Drought (D1) and Severe Drought (D2) conditions, along with introduction of Extreme Drought (D3) centered around Hickman and Lewis counties.

What's New? One-category degradation has been applied to most of the state, with Extreme Drought (D3) introduced in parts of seven counties where widespread impacts are even worse than last week. Moderate Drought (D1) was expanded in the southern Tennessee Valley and parts of the Smoky Mountains.

What's Next? The driest areas of the state may not see much relief with <0.25" expected across most of southern Tennessee over the next week, while temperatures will be at their highest of the year before cooling off towards the end of the weekend and early next week. Further degradation is expected in some areas, while parts of the Cumberland Plateau, Appalachian Mountains, and West Tennessee along the Mississippi River may see closer to 1" of rainfall. This may prevent additional degradation in these areas, though more rainfall is needed for conditions to improve.

Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	35.66%	+4.57%
D1: Moderate Drought	30.96%	+11.59%
D2: Severe Drought	6.40%	+2.32%
D3: Extreme Drought	3.18%	+3.18%
D4: Exceptional Drought	0%	0%

Icon Library



No Precipitation



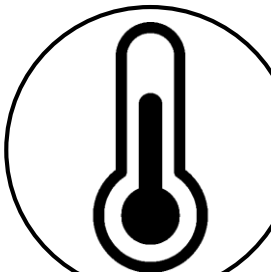
Increasing drought conditions



Rivers and Streams



Precipitation



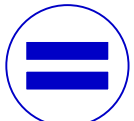
Temperatures



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