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Tennessee Climate Office Weekly Drought Summaries

1-11-2024

2024 January 11 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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Tennessee Climate Office, East Tennessee State University, "2024 January 11 - Tennessee Weekly Drought Summary" (2024). *Tennessee Climate Office Weekly Drought Summaries*. 67.
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Tennessee Drought Update

For the assessment period ending January 9th, 2024

Statewide Condition Summary

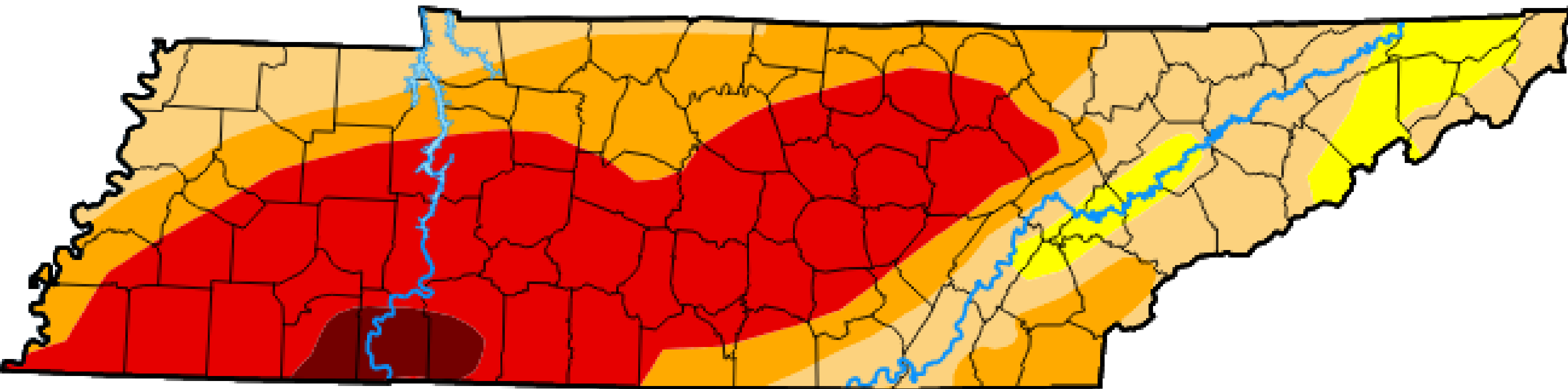
This Week's Drought Monitor of Tennessee Map

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

What's Changed? All parts of the state received at least ~0.5" of rain during the drought monitoring period (Tuesday to Tuesday), with some areas receiving over 2" of rain in southeast Tennessee and northwest Tennessee. This resulted in some areas of 1-class improvements but since some rain was still falling after the Tuesday morning cutoff, additional changes related to this rain event could happen next week.

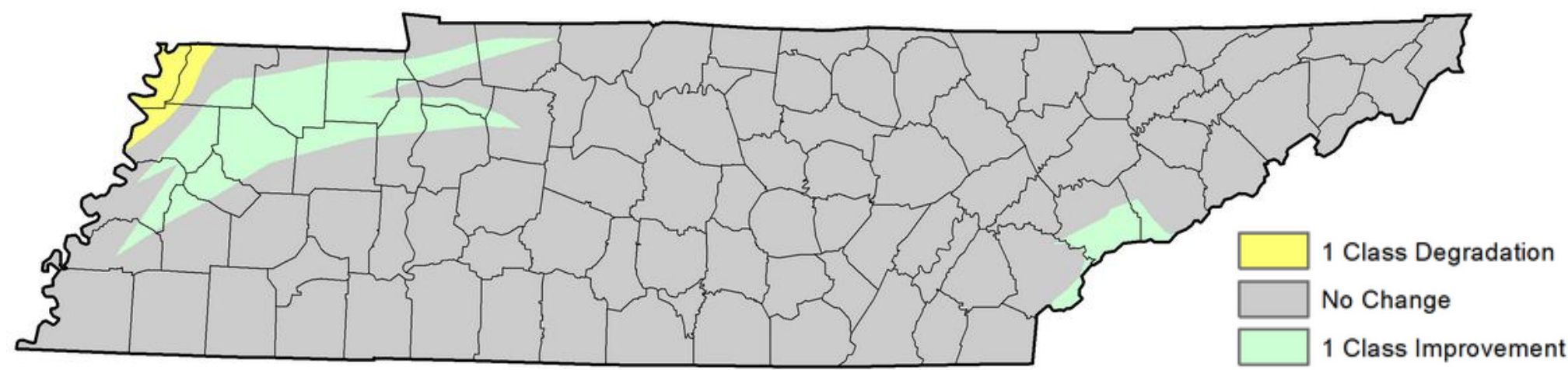
What's New? Multiple counties in northwest Tennessee saw 1-class improvements from Extreme Drought (D3) to Severe Drought (D2) and from Severe Drought to Moderate Drought (D1). Southern Blount County and some surrounding areas improved from Severe Drought to Moderate Drought.

What's Next? Over the next week, forecasts show rainfall potential of at least 0.25" across Tennessee, with possibly a bit less in northeast Tennessee and over 1" in West Tennessee. That, combined with rainfall in excess of 1" across East Tennessee over the past 48 hours may result in additional improvements.



↑ Recent rainfall leading to 1 category improvements in northwest Tennessee and the mountainous area of southern Blount/Sevier/Monroe counties.

Change Since Last Week



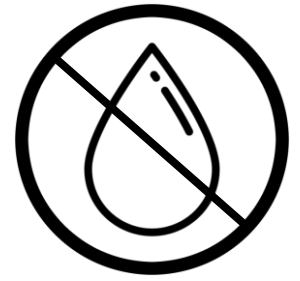
A product of the Tennessee Climate Office
www.etsu.edu/tn-climate



Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	5.92%	-1.01%
D1: Moderate Drought	25.85%	+5.21%
D2: Severe Drought	25.08%	-0.22%
D3: Extreme Drought	40.58%	-3.98%
D4: Exceptional Drought	2.57%	0.00%

Icon Library



No Precipitation



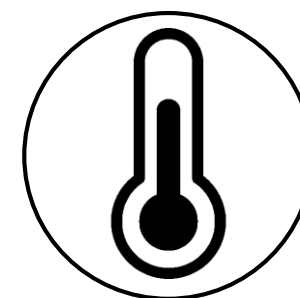
Increasing drought conditions



Rivers and Streams



Precipitation



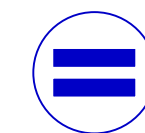
Temperatures



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