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Tennessee Climate Office Weekly Drought Summaries

9-28-2023

2023 September 28 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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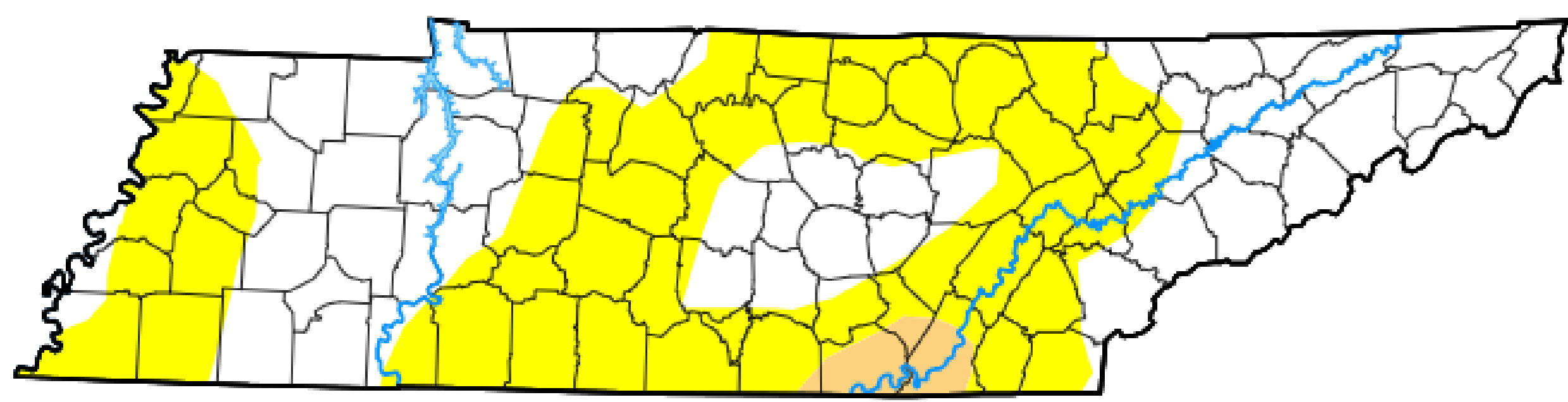
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Tennessee Drought Update

For the assessment period ending September 26, 2023

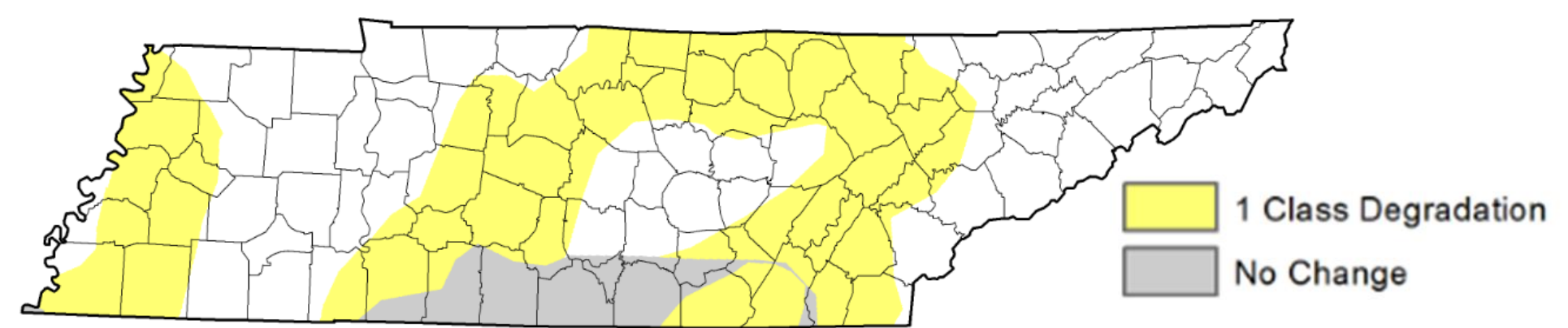
This Week's Drought Monitor of Tennessee Map

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



 Abnormally dry conditions have expanded; Moderate drought has been introduced in southeast Tennessee

Change Since Last Week



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



Statewide Condition Summary

What's Changed? Abnormally dry conditions have spread across large portions of Middle and West Tennessee and the Cumberland Plateau, an increase of over 40% in coverage compared to last week. These are the result of prolonged periods of little rainfall and decreases in soil moisture.

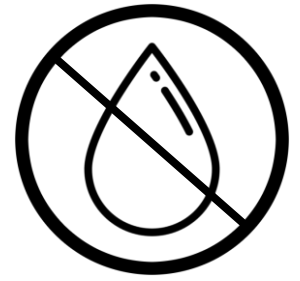
What's New? With lack of rain over the last drought monitoring period (Tuesday to Tuesday), a moderate drought rating was given to areas of Hamilton, Marion, and Franklin counties.

What's Next? With temperatures and rain currently remaining steady in the forecast for this week's drought monitoring period (Tuesday to Tuesday), conditions should remain steady with the possibility of more degradations across the state.

Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	49.47%	+40.11%
D1: Moderate Drought	2.31%	+2.31%
D2: Severe Drought	0.00%	0.00%
D3: Extreme Drought	0.00%	0.00%
D4: Exceptional Drought	0.00%	0.00%

Icon Library



No Precipitation



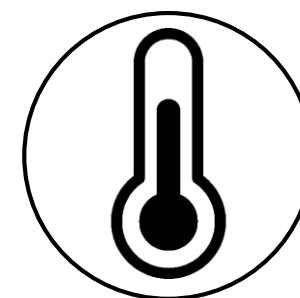
Increasing drought conditions



Rivers and Streams



Precipitation



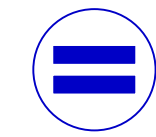
Temperatures



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