

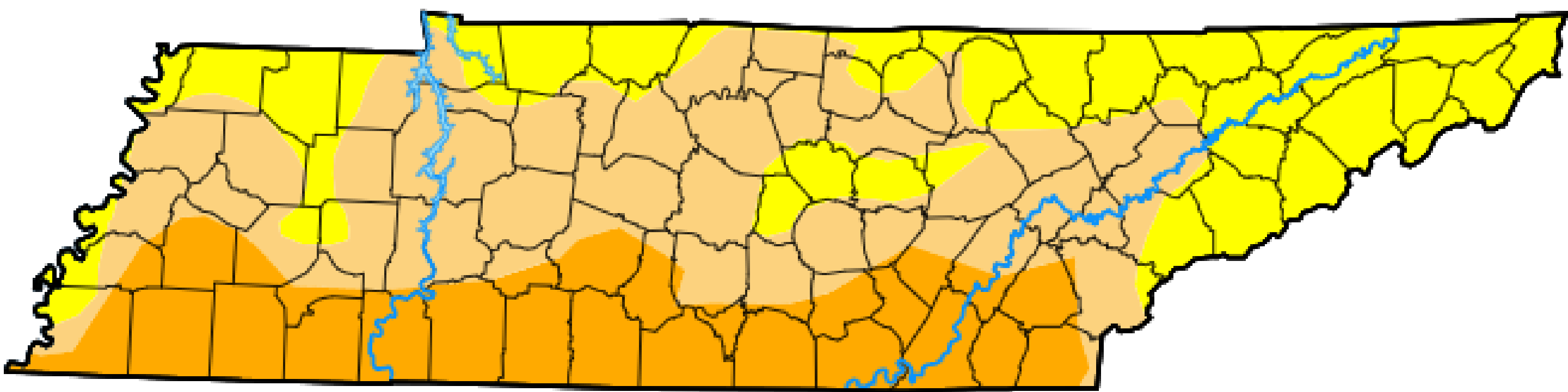
Tennessee Drought Update


For the assessment period ending October 17th, 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



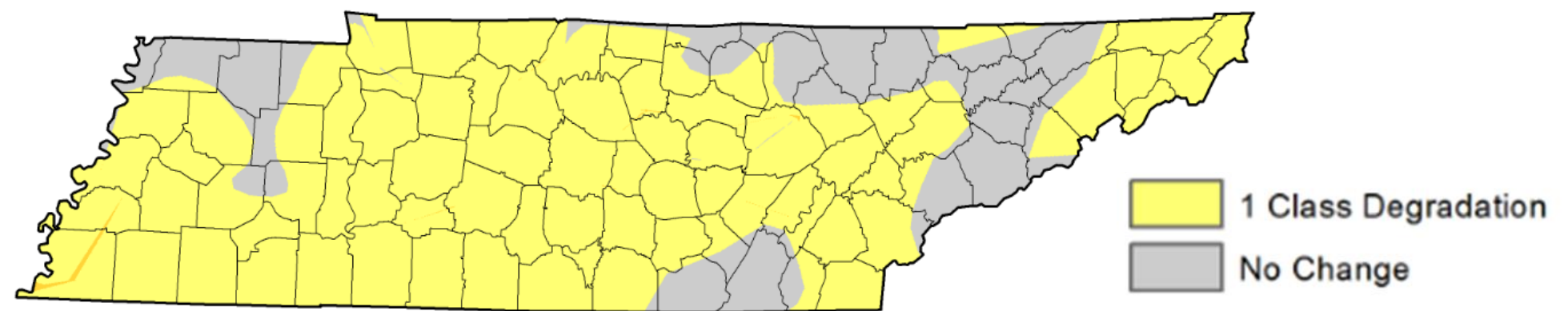
 Continued below normal precipitation and warm daytime temperatures have led to expanding D1 and D2 conditions

What's Changed? Abnormally dry conditions are now being experienced across the entire state. Over the past week, the majority of Tennessee received less than 0.1 in of rainfall resulting in drying pastures, reduced streamflow, and the soil moisture surplus falling to 1%.

What's New? With lack of rain and soils drying out over the last drought monitoring period (Tuesday to Tuesday), D1 areas have expanded north from the GA and AL borders into West and Middle Tennessee and the Cumberland Plateau. The counties that were in D1 the previous week have now degraded into D2, as dryness stretches across the southern border.

What's Next? If dry conditions persist or worsen, the Chattanooga area and the surrounding counties may fall into D3 by next week. However, forecasts are showing some rain possibly moving across the state over the next week.

Change Since Last Week



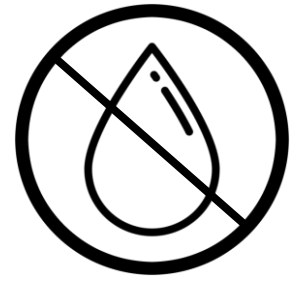
A product of the Tennessee Climate Office
www.etsu.edu/tn-climate



Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	31.56%	-27.92%
D1: Moderate Drought	41.42%	+17.89%
D2: Severe Drought	27.01%	+23.7%
D3: Extreme Drought	0.00%	0.00%
D4: Exceptional Drought	0.00%	0.00%

Icon Library



No Precipitation



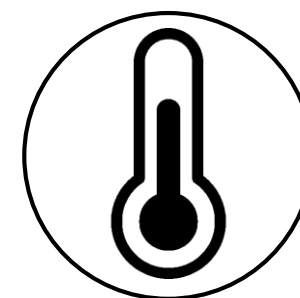
Increasing drought conditions



Rivers and Streams



Precipitation



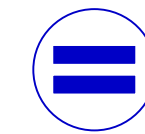
Temperatures



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