9-10-2024

2024 September 10 - Tennessee Weekly Drought Summary

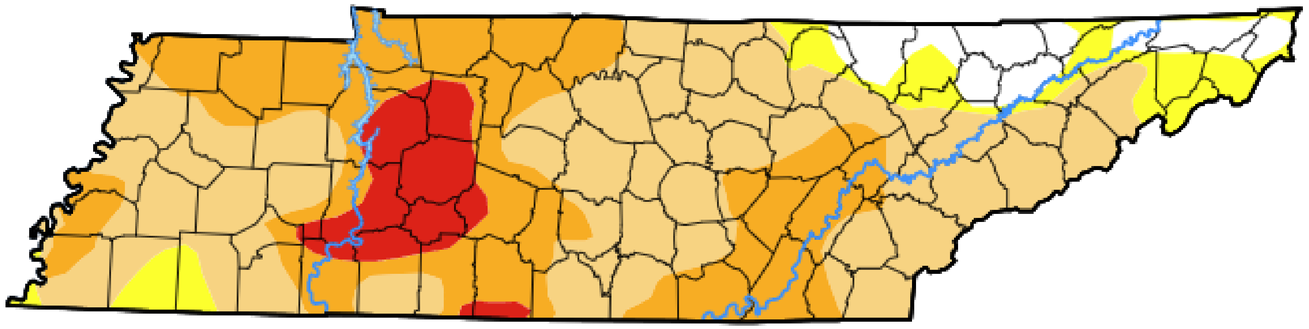
Tennessee Climate Office, East Tennessee State University

Tennessee Drought Update

For the assessment period ending September 10th, 2024

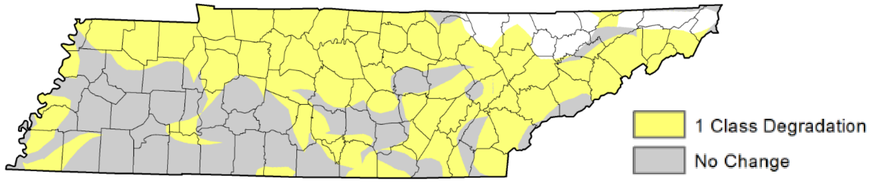
This Week's Drought Monitor of Tennessee Map

From the US Drought Monitor, authored by Lindsay Johnson, NDMC with input from the Tennessee Climate Office



Conditions continue to deteriorate due to lack of rainfall

Change Since Last Week



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Statewide Condition Summary

What's Changed? **Another dry week has led to more degradation across Tennessee, especially in the western portion of the state. Most of the measurable precipitation was recorded in central West and Middle Tennessee, while the rest of the state saw little to nor rainfall. This has deepened the deficit across many portions of Tennessee. Combined with above-average temperatures, conditions on the ground are continuing to rapidly deteriorate. Already very low soil moisture levels took another hit this week and streamflow rates are continuing to drop across the majority of the state. Agricultural impact reports from producers are highlighting bleak conditions of row crops, pasturelands, livestock health, and water storage systems. Additionally, ecological impacts have been reported detailing fish kills and endangered species relocation in Smith and Sequatchie county, respectively.**

What's New? **D0 conditions have expanded to northwest Tennessee. D1/D2 conditions have expanded across multiple regions. D3 conditions have expanded in central West and Middle Tennessee and have been introduced in southern Middle Tennessee.**

What's Next? **Over the next 7 days, forecasts are predicting some much-needed rain as a result of the tropical storm activity in the Gulf of Mexico. The heaviest projected rainfall totals (2 – 5 inches) are predicted to fall across West and Middle Tennessee. Significant rainfall may halt or improve drought conditions.**

Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	7.92%	-21.1%
D1: Moderate Drought	47.25%	+2.43%
D2: Severe Drought	31.03%	+19.8%
D3: Extreme Drought	**7.26%**	+3.58%
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