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Tennessee Climate Office Weekly Drought Summaries

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10-3-2024

### 2024 October 3 - Tennessee Weekly Drought Summary

Tennessee Climate Office, East Tennessee State University

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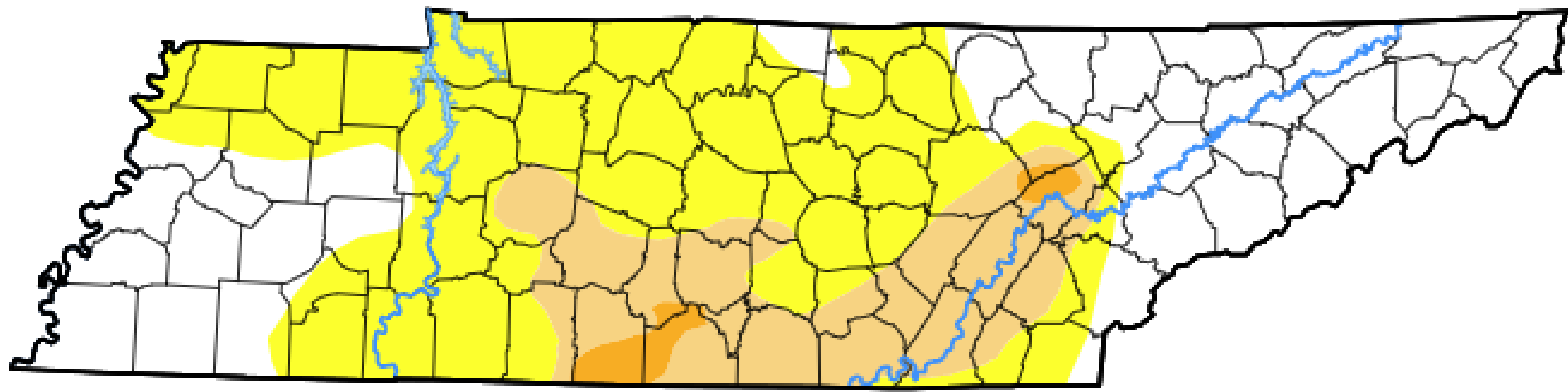
# Tennessee Drought Update



For the assessment period ending October 1st, 2024

# Statewide Condition Summary

## This Week's Drought Monitor of Tennessee Map

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



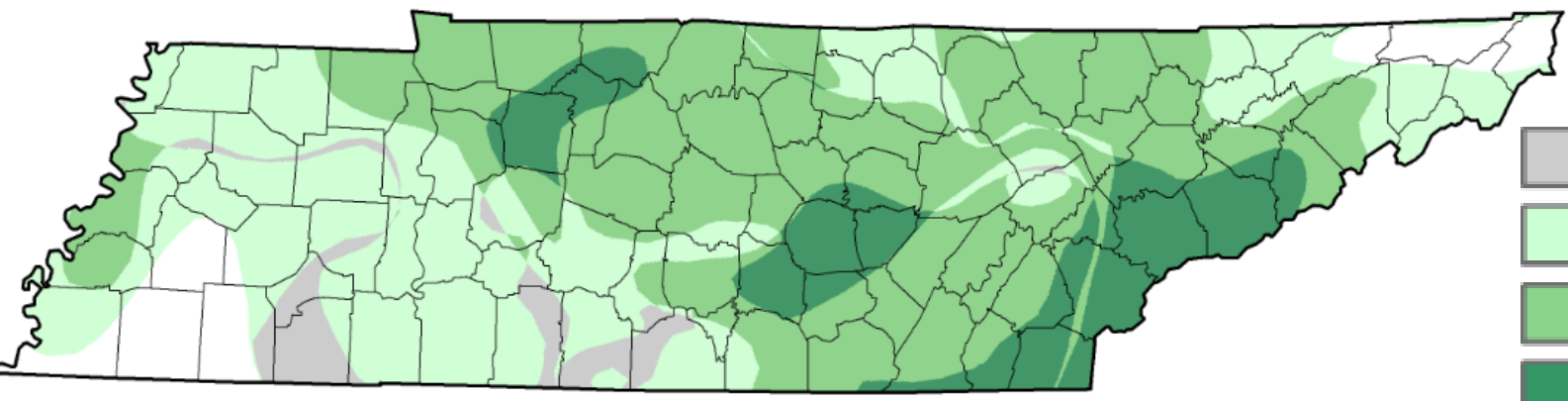
  Conditions have improved following significant rainfall from a frontal system and Hurricane Helene


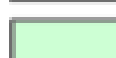


**What's Changed?** The majority of Tennessee saw significant rainfall, especially across East Tennessee, following the combined precipitation of a frontal system and Hurricane Helene. Most of the state saw totals of 2 – 5 inches over the past 7 days; however, areas of East Tennessee near the TN-NC border saw totals as high as 15 inches or more. These systems have saturated the soil and increased streamflow rates, with some river and creek systems in East Tennessee experiencing major flooding.

**What's New?** Large-scale 1, 2, and 3-category improvements have been made across the state.

**What's Next?** Forecasts are predicting little to no rainfall across Tennessee over the next 7 days.

## Change Since Last Week



 No Change  
 1 Class Improvement  
 2 Class Improvement  
 3 Class Improvement

A product of the Tennessee Climate Office  
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## Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	44.90%	+30.0%
D1: Moderate Drought	17.09%	-10.92%
D2: Severe Drought	1.78%	-29.54%
D3: Extreme Drought	0%	-19.12%
D4: Exceptional Drought	0%	0%

# Icon Library



No Precipitation



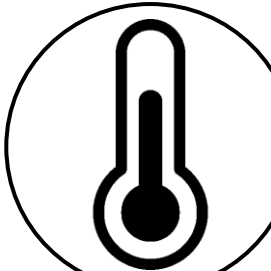
Increasing drought conditions



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