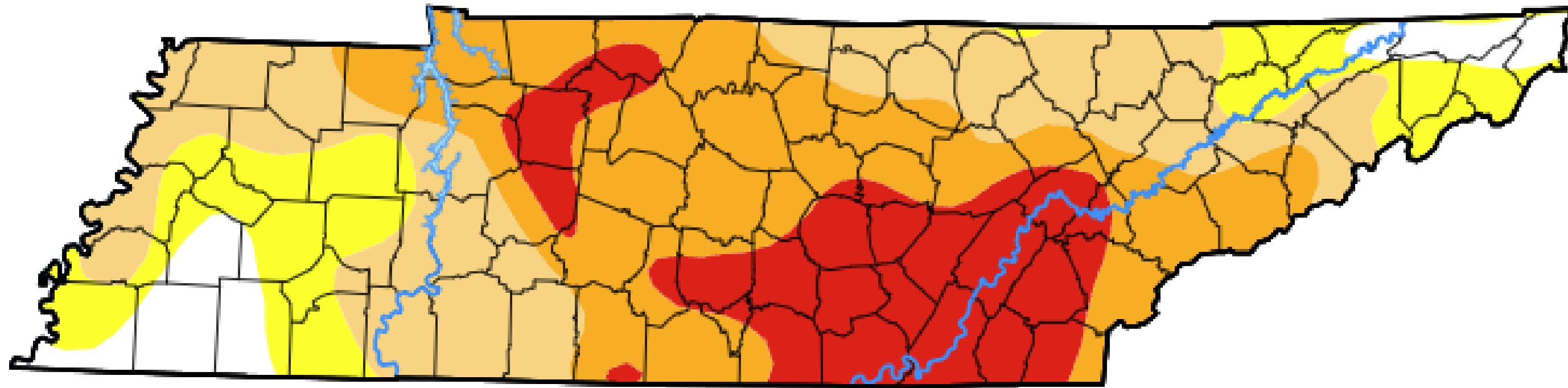



Tennessee Drought Update

For the assessment period ending September 24th, 2024

This Week's Drought Monitor of Tennessee Map

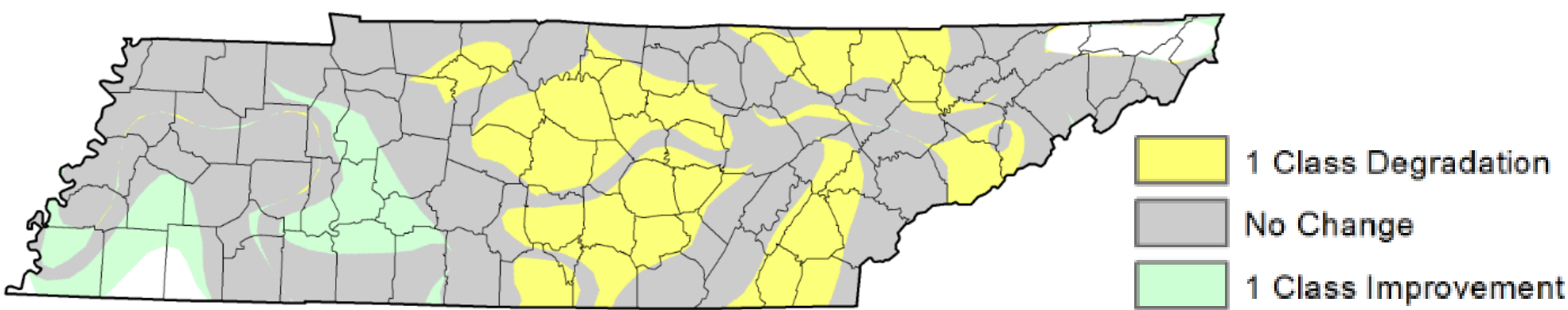
From the US Drought Monitor, authored by Brad Rippey, USDA with input from the Tennessee Climate Office



 Conditions have improved following significant rainfall from the remnants of Hurricane Francine a couple weeks ago

 Conditions continue to deteriorate due to lack of rainfall

Change Since Last Week



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



Statewide Condition Summary

What's Changed? The majority of the rainfall that occurred over the past week fell across northeast Tennessee, leaving areas west of Knoxville with little to no precipitation. This has led to even greater 30-day rainfall deficits across most of the central and eastern portions of the state. Almost the entire state saw above-average temperatures over the past 7 days as well. As a result, soil moisture and streamflow rates, especially in East Tennessee and the Cumberland Plateau, are continuing to decrease. Many CMOR reports have been submitted over the last 7 days, detailing severe crop damage and reduced yield potential, decimated pasturelands, and negative impacts to livestock health. Water systems in counties across Middle Tennessee have begun to issue mandatory water use restrictions and have entered into drought alert stages.

What's New? D1 – D3 conditions have expanded northeastward in Middle/East Tennessee and the Cumberland Plateau. D3 conditions have expanded into Montgomery, Robertson, and Cheatham counties. 1-category improvements in West Tennessee.

What's Next? Significant rainfall is forecasted across the state from a combination of a cold front, Hurricane Helene, and an upper-level low pressure system. Some areas may receive as much as 5 inches of rainfall. While this precipitation will likely improve conditions, flash flooding, high winds, and severe storms may cause significant damage.

Statewide Coverage By Category

Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	14.90%	-6.86%
D1: Moderate Drought	28.01%	-2.59%
D2: Severe Drought	31.32%	-5.65%
D3: Extreme Drought	9.12%	+11.81%
D4: Exceptional Drought	0%	0%

Icon Library



No Precipitation



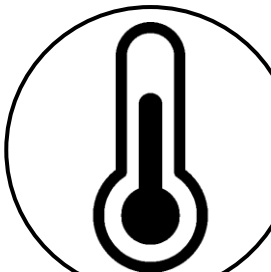
Increasing drought conditions



Rivers and Streams



Precipitation



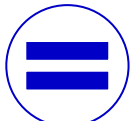
Temperatures



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