Tennessee Drought Update
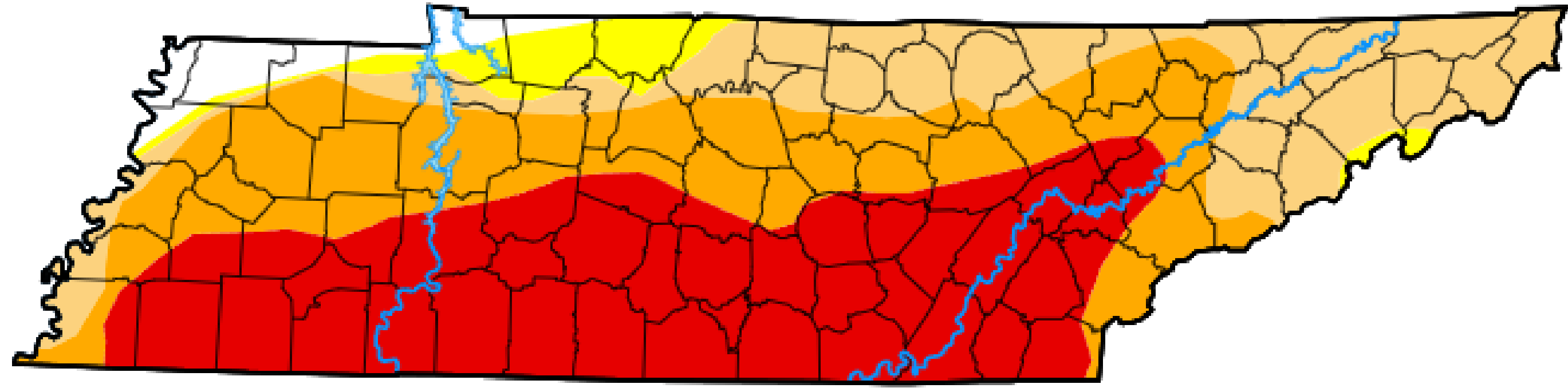
For the assessment period ending October 31st, 2023

This Week's Drought Monitor of Tennessee Map

From the US Drought Monitor, authored by Brian Fuchs, NOAA/NDMC with input from the Tennessee Climate Office

Rainfall alleviating D1 conditions in Northwest Tennessee

Decreased average monthly rainfall leading to D2/D3 expansion across majority of Tennessee

Change Since Last Week

1 Class Degradation
No Change
1 Class Improvement
2 Class Improvement

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

Statewide Condition Summary

<u>**What's Changed?**</u> **Moderate to extreme levels of drought are now impacting ~92% of the state.** Reports of dry pastures and soils, decreased pond levels, and other agricultural impacts are being seen. Streamflow levels are continuing to slowly drop and areas in Northeast Tennessee are beginning to experience drier conditions. Extreme drought (D3) conditions are quickly moving across the southern half of the state (33% increase in coverage from last week).

<u>**What's New?**</u> Rainfall across Northwest Tennessee (~2-4 inches) brought a two class relief to cities like Dyersburg, Union City, and Martin. Soil moisture is beginning to rebound and conditions are improving.

<u>**What's Next?**</u> Forecasts are showing very little rainfall over the next week, with most precipitation occurring north of the state. As we move into November, the possibility for rain may increase with the start of the wetter season.
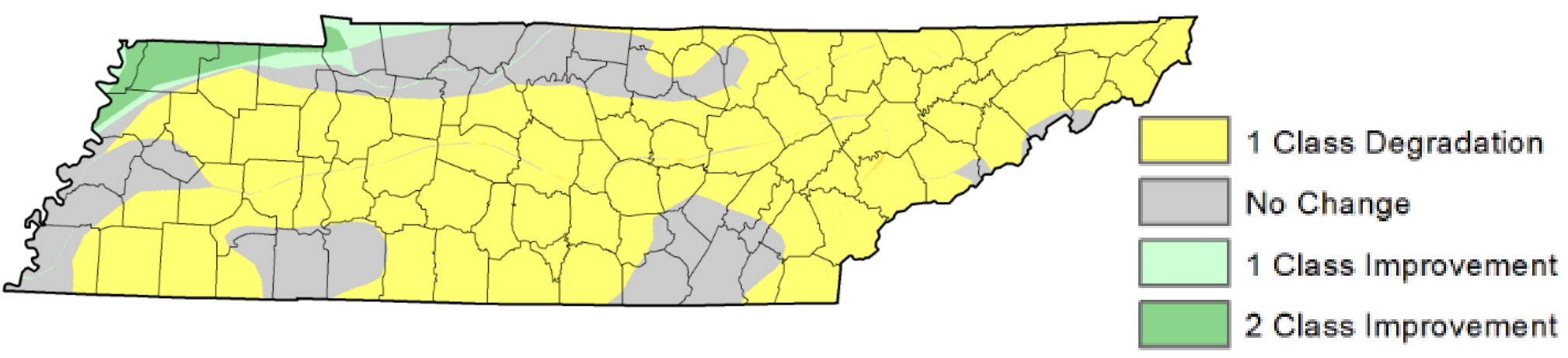
Statewide Coverage By Category

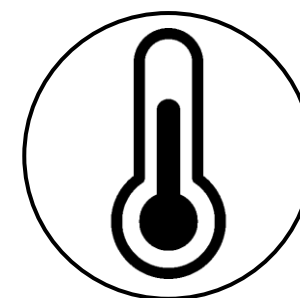| Category	Coverage This Week	Change Since Last Week
D0: Abnormally Dry	4.62%	-14.07%
D1: Moderate Drought	22.17%	-14.77%
D2: Severe Drought	28.92%	-6.76%
D3: Extreme Drought	**40.91%**	**+33.22%**
D4: Exceptional Drought	**0.00%**	0.00%

Icon Library

No Precipitation

Increasing drought conditions
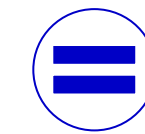
Rivers and Streams

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