

Drought Information Statement for Middle Tennessee

Valid March 07, 2024

Issued By: NWS Nashville, TN

Contact information: sr-ohx.dss@noaa.gov

- This product will be updated in the next week or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.

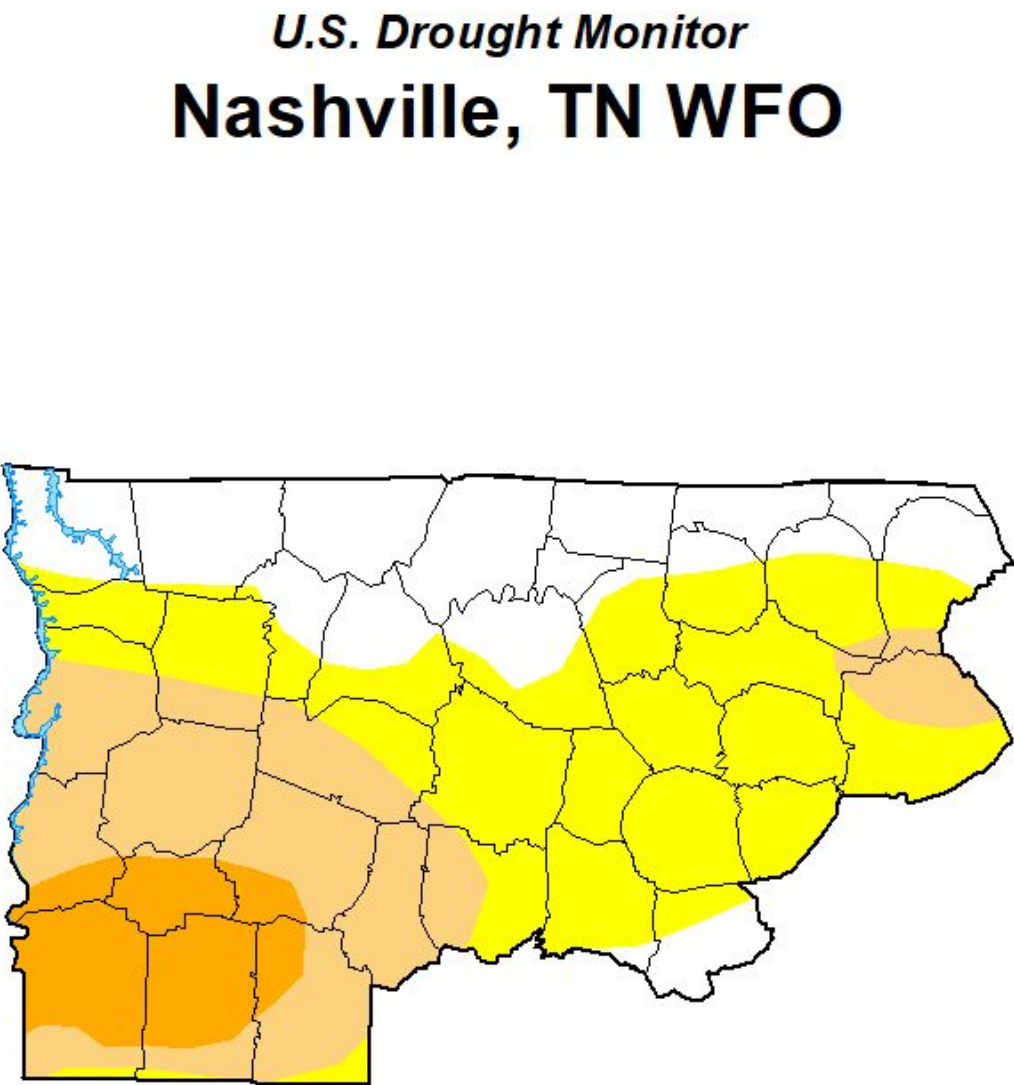




U.S Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for Middle Tennessee

- **Drought Intensity and Extent**
 - **D4 Exceptional Drought:** No areas classified
 - **D3 Extreme Drought:** No areas classified
 - **D2 Severe Drought:** Limited to counties in the southwest part of the mid-state
 - **D1 Moderate Drought:** Impacting areas mainly south and west of Nashville, with a small portion of the Cumberland Plateau
 - **D0 Abnormally Dry:** Areas along and south of Interstate 40 and most of the Cumberland Plateau



March 5, 2024
(Released Thursday, Mar. 7, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	26.83	73.17	34.23	9.92	0.00	0.00
Last Week 02-27-2024	27.06	72.94	34.23	9.92	0.00	0.00
3 Months Ago 12-05-2023	2.24	97.76	90.64	66.26	32.85	0.00
Start of Calendar Year 01-02-2024	0.00	100.00	100.00	96.17	67.40	1.76
Start of Water Year 09-26-2023	38.66	61.34	0.00	0.00	0.00	0.00
One Year Ago 03-07-2023	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Curtis Riganti
National Drought Mitigation Center

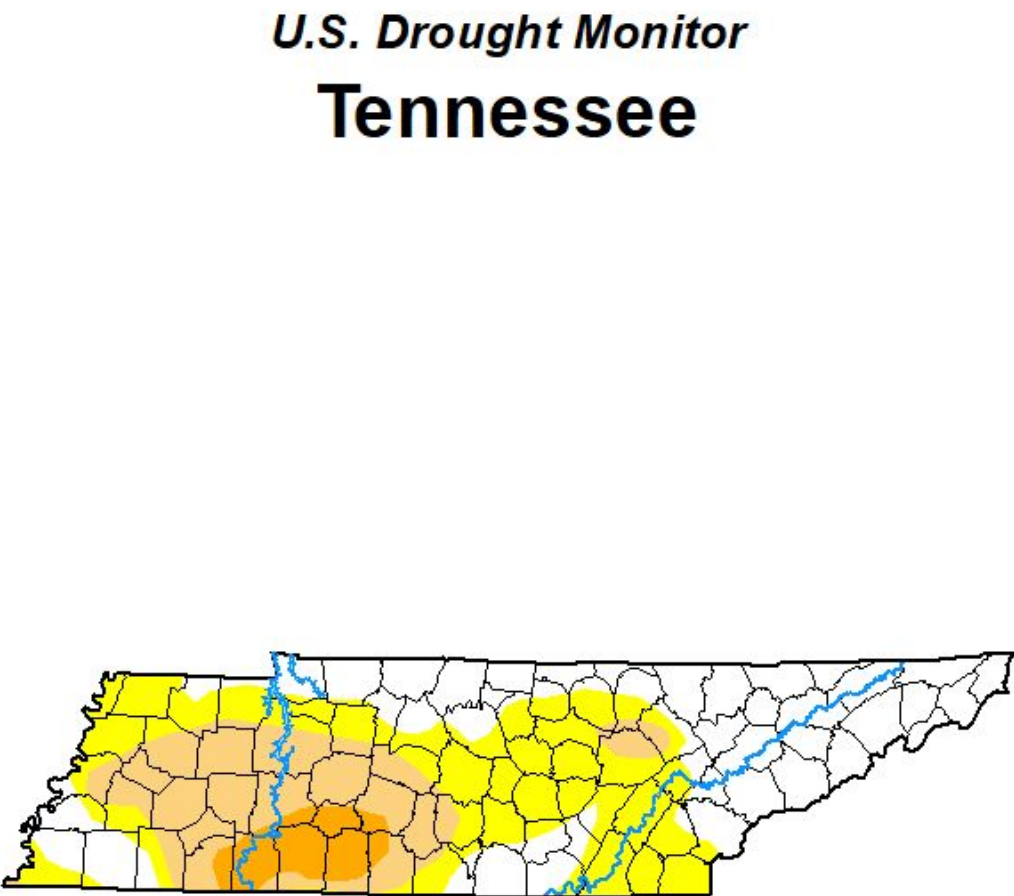




U.S Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for Tennessee

- **Drought Intensity and Extent**
 - **D4 Exceptional Drought:** No areas classified
 - **D3 Extreme Drought:** No areas classified
 - **D2 Severe Drought:** Impacting portions of the Tennessee River Valley in West Tennessee and the far southwest portions of Middle Tennessee
 - **D1 Moderate Drought:** Most of Tennessee between Memphis and Nashville
 - **D0 Abnormally Dry:** Impacting most of West and Middle Tennessee, and the portions of southern East Tennessee



March 5, 2024
(Released Thursday, Mar. 7, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	40.33	59.67	27.11	5.70	0.00	0.00
Last Week 02-27-2024	42.67	57.33	27.11	5.70	0.00	0.00
3 Months Ago 12-05-2023	3.05	96.95	93.03	72.86	21.90	0.00
Start of Calendar Year 01-02-2024	0.00	100.00	93.07	72.43	47.13	2.57
Start of Water Year 09-26-2023	48.22	51.78	2.31	0.00	0.00	0.00
One Year Ago 03-07-2023	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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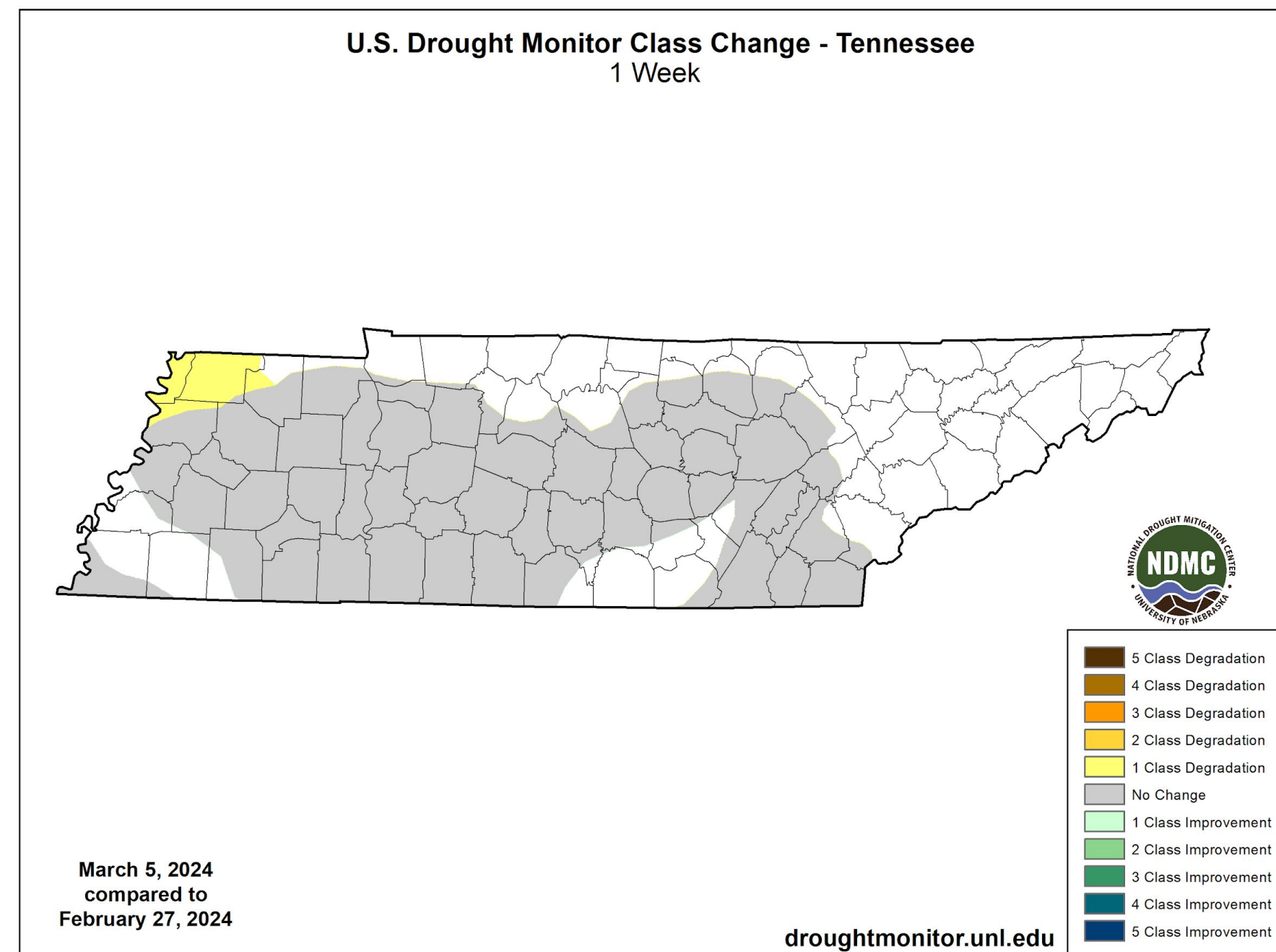
droughtmonitor.unl.edu



Recent Change in Drought Intensity

Link to the [latest 1-week change map](#) for Tennessee

- **One Week Drought Monitor Class Change**
 - **Drought Worsened:** Far northwest portions of West Tennessee saw some drought degradation
 - **No Change:** Most of Tennessee remains unchanged
 - **Drought Improved:** No improvement was noted

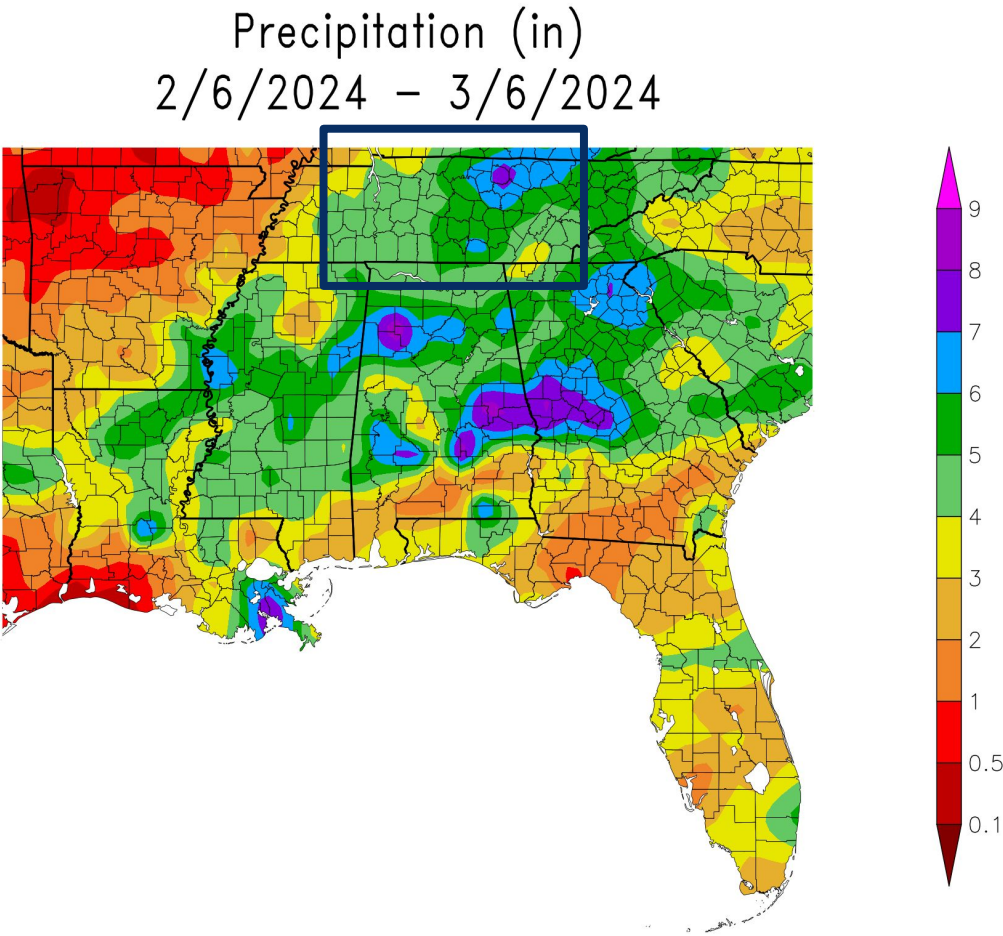




Precipitation

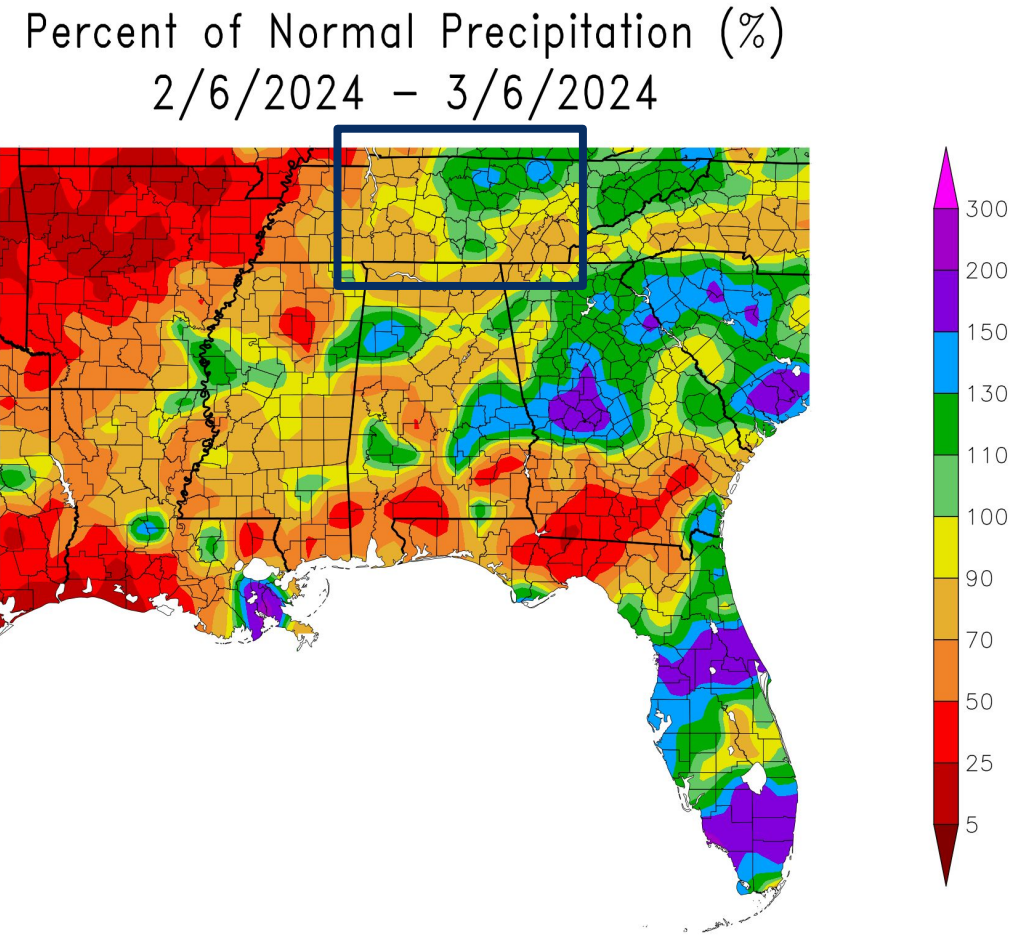
Over the past 30 days from the [High Plains Regional Climate Center](#)

- Most of the mid-state has received between 4.0 and 7.0 inches of precipitation over the last 30 days
- The western portions of Middle Tennessee received 70 to 100 percent of normal precipitation. Areas along and east of Interstate 65 received 100 to 150 percent of normal.



Generated 3/7/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers



Generated 3/7/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers





Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- Streamflows are normal to slightly below normal across Middle Tennessee

Agricultural Impacts

- There are no known impacts at this time

Fire Hazard Impacts

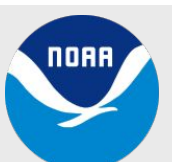
- Fire danger is minimal

Other Impacts

- There are no known impacts at this time

Mitigation actions

- Please refer to your municipality and/or water provider for mitigation information.



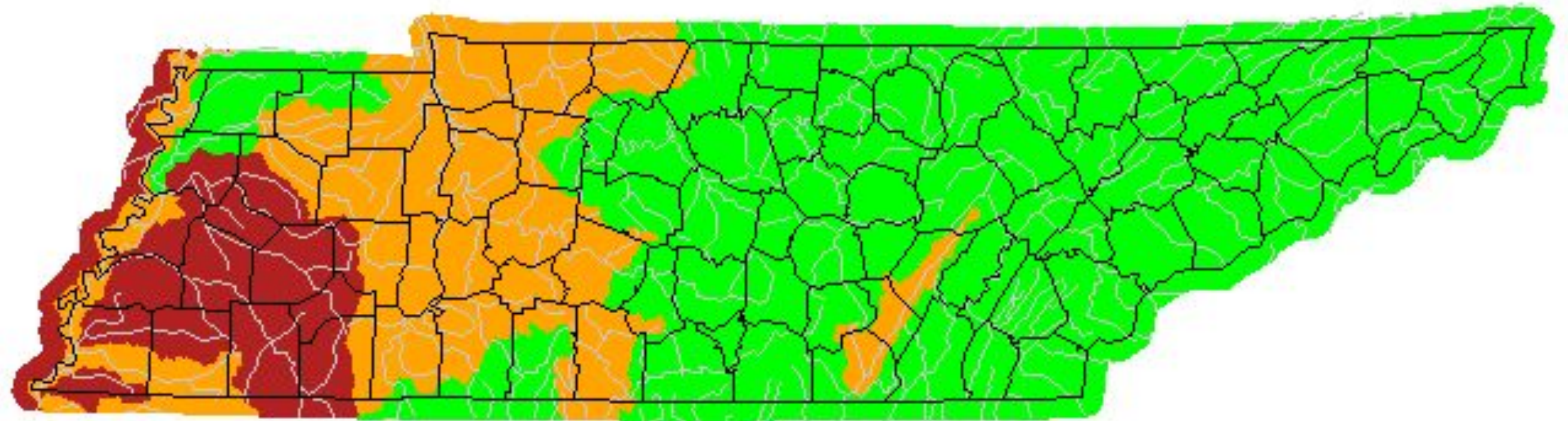


Hydrologic Conditions and Impacts

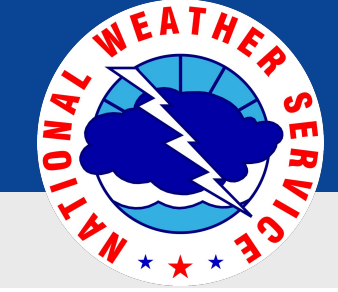
Main Takeaways

- Most of the eastern half of the state is seeing normal streamflows (between the 25th and 75th percentile)
- Most basins in the western half of Tennessee are seeing below to much below normal streamflows (between the 10th and 24th percentile)
- Recent precipitation has greatly improved streamflows across the state, but most basins continue to fluctuate between normal and below normal flow levels

Wednesday, March 06, 2024



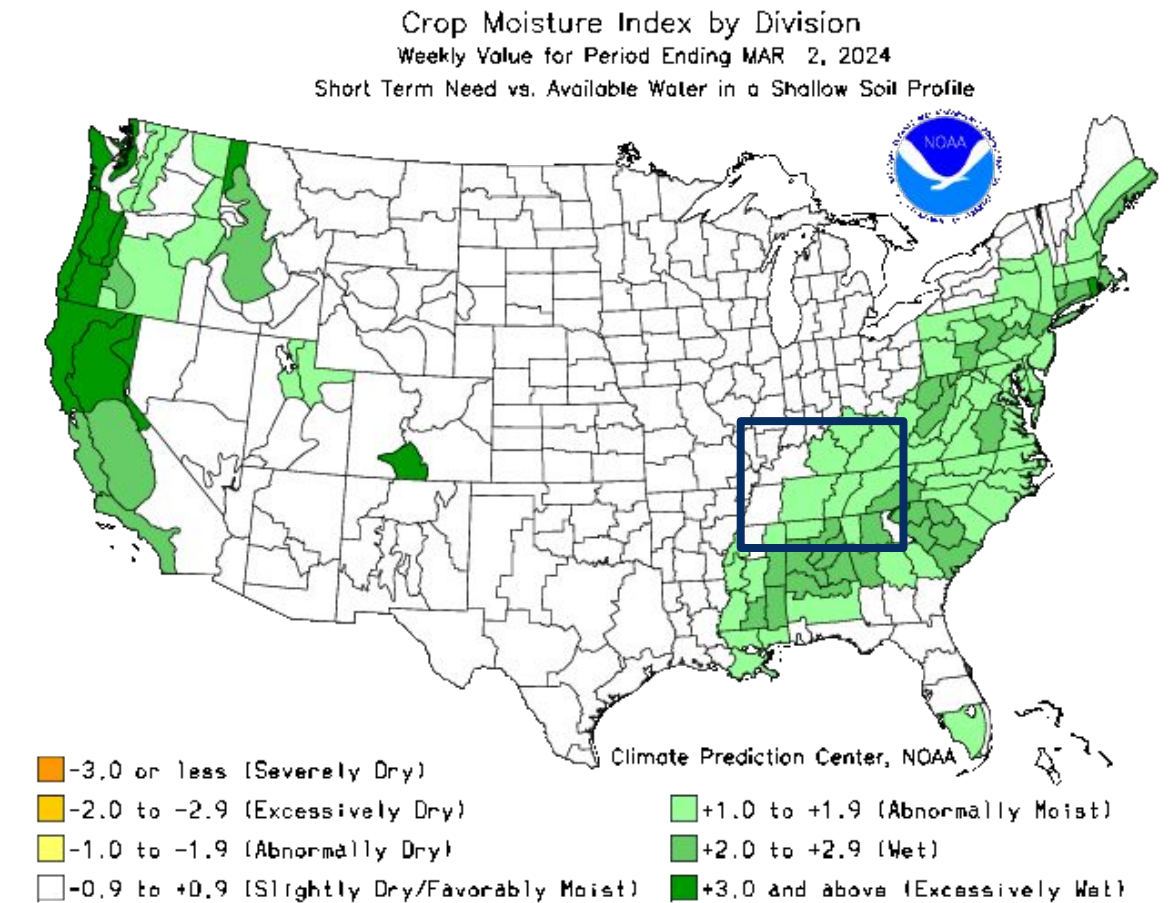
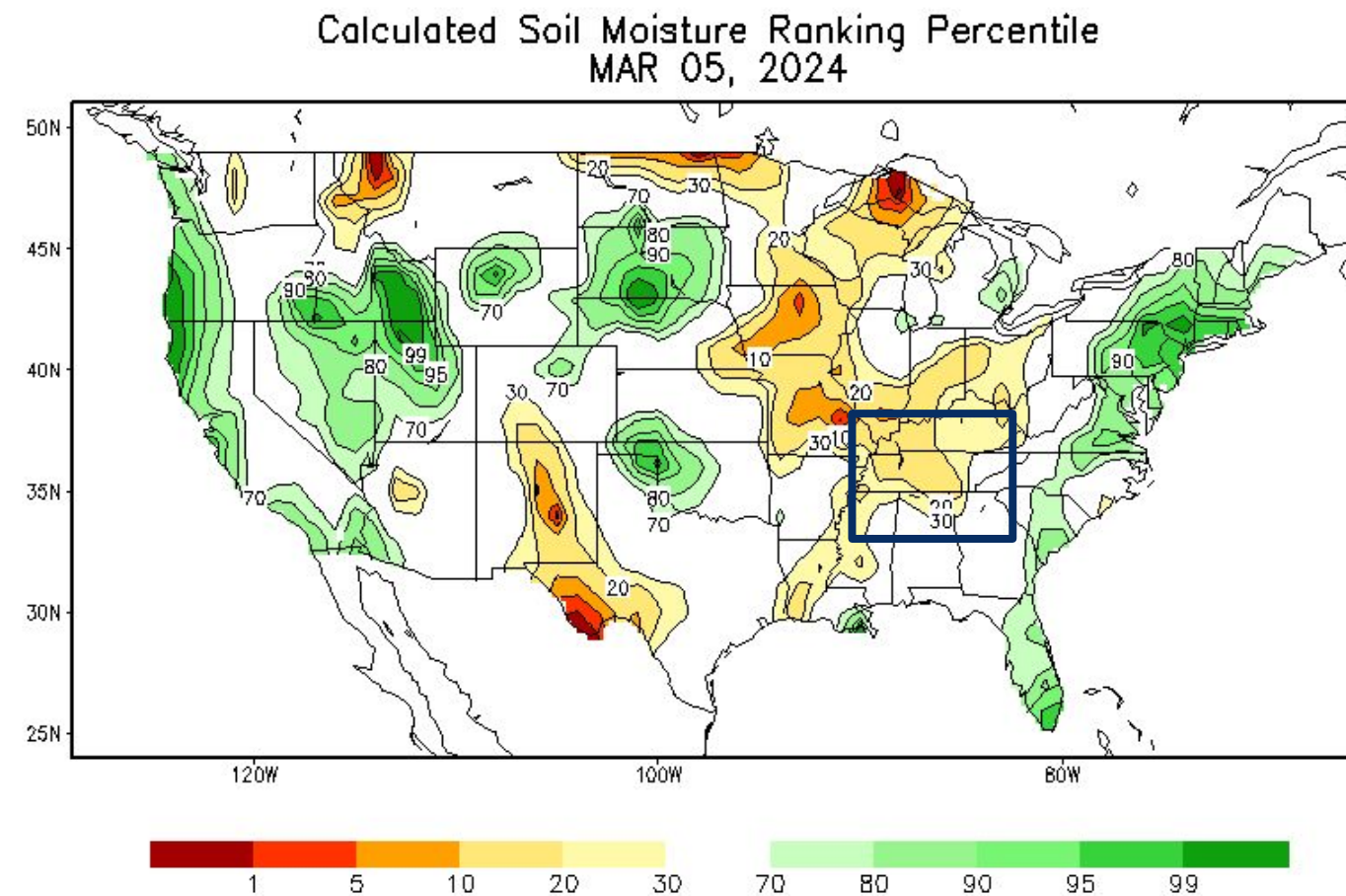
Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		



Agricultural Impacts

Main Takeaways

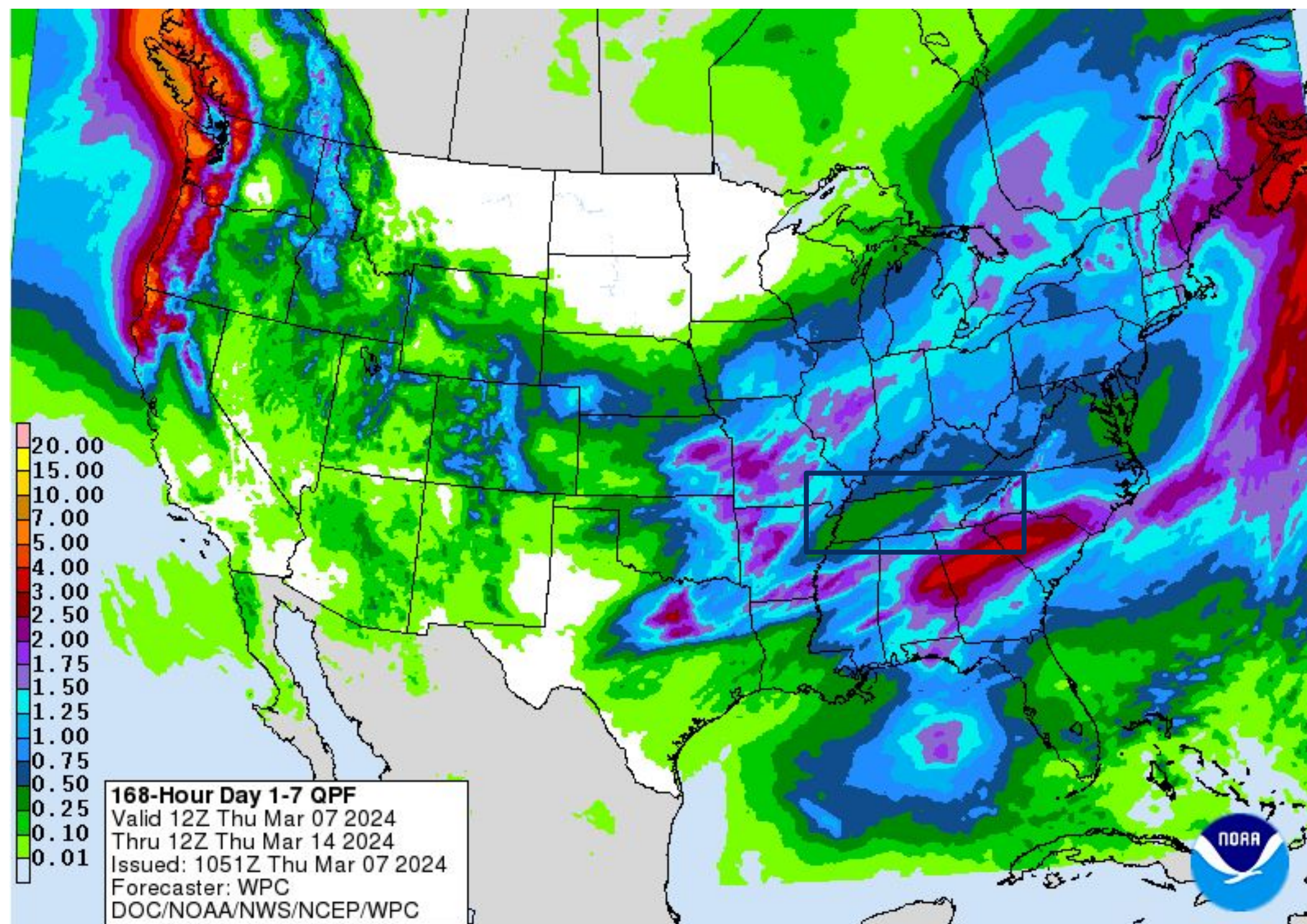
- Soil moisture remains relatively unchanged across Middle Tennessee
- Portions of the mid-state remain below the 30th percentile, with some areas below the 20th percentile





Seven Day Precipitation Forecast

- Next 7 days:
 - Most of the mid-state is expected to receive 0.25 to 1.00 inches of rainfall over the next 7 days





8-14 Day Outlook

Temperature and Precipitation Outlook

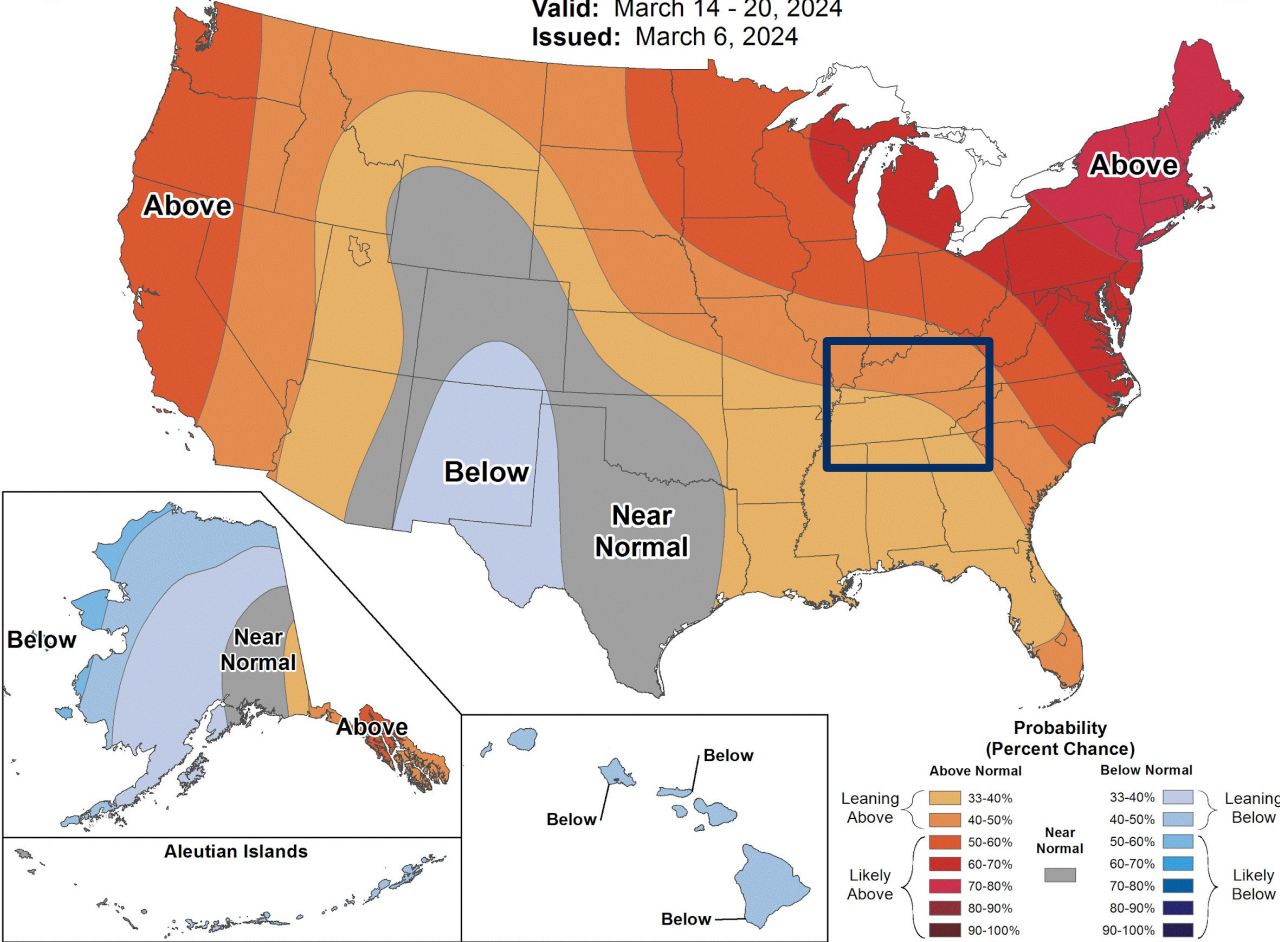
Main Takeaways

- There is a 40% to 50% chance of above normal temperatures for this time frame
- There is a 40% to 50% chance precipitation will be above normal during this time frame



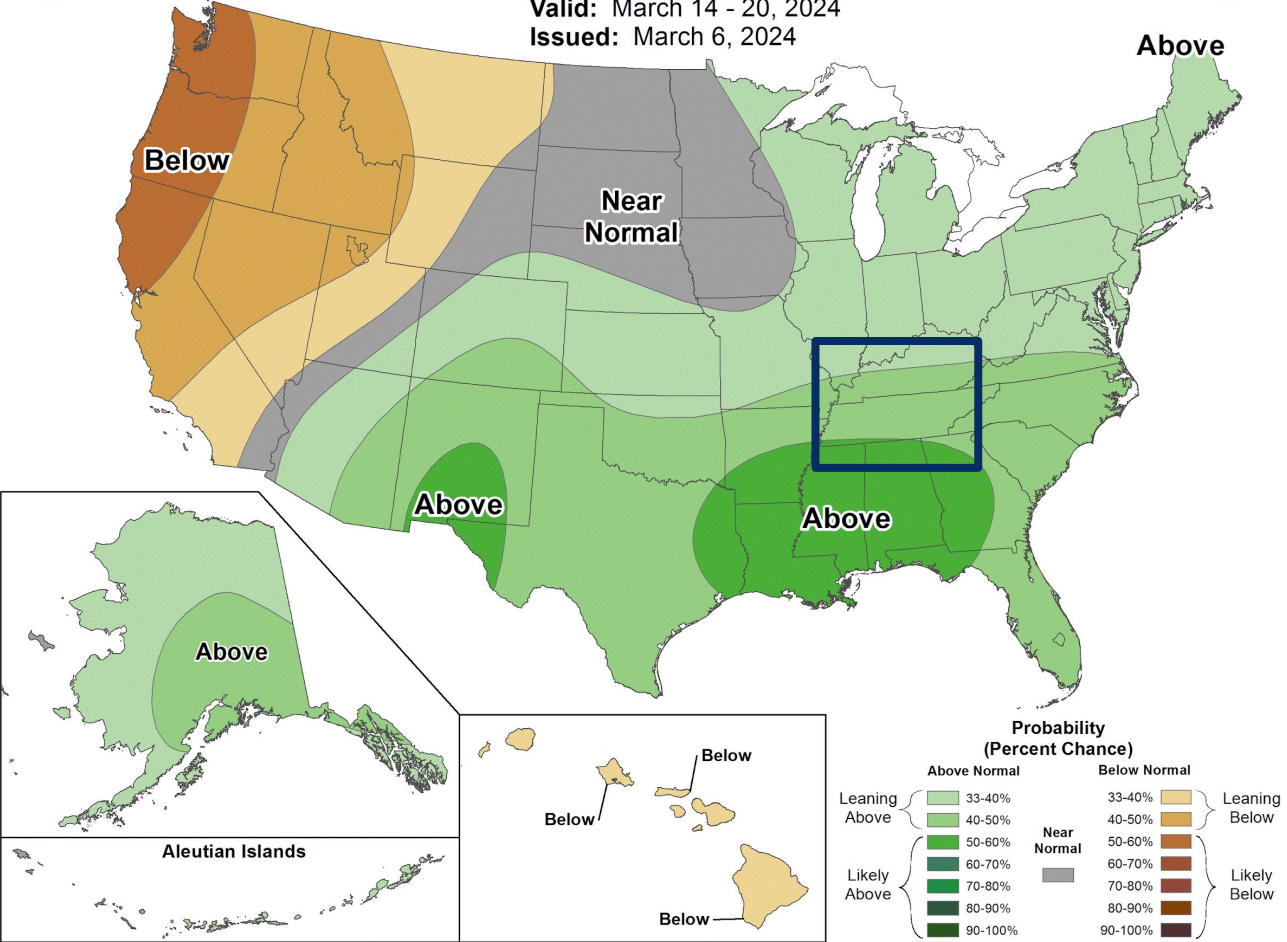
8-14 Day Temperature Outlook

Valid: March 14 - 20, 2024
Issued: March 6, 2024



8-14 Day Precipitation Outlook

Valid: March 14 - 20, 2024
Issued: March 6, 2024



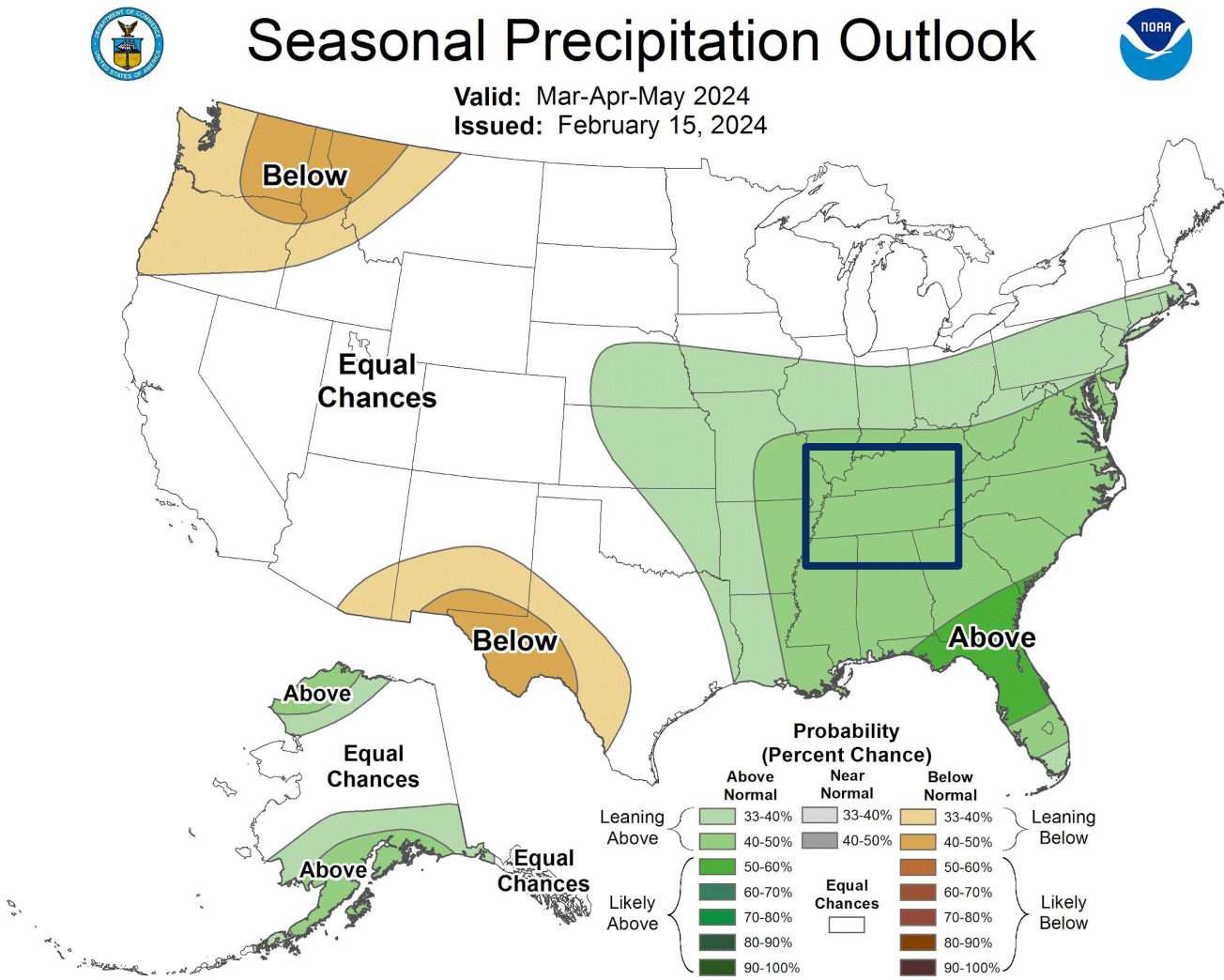
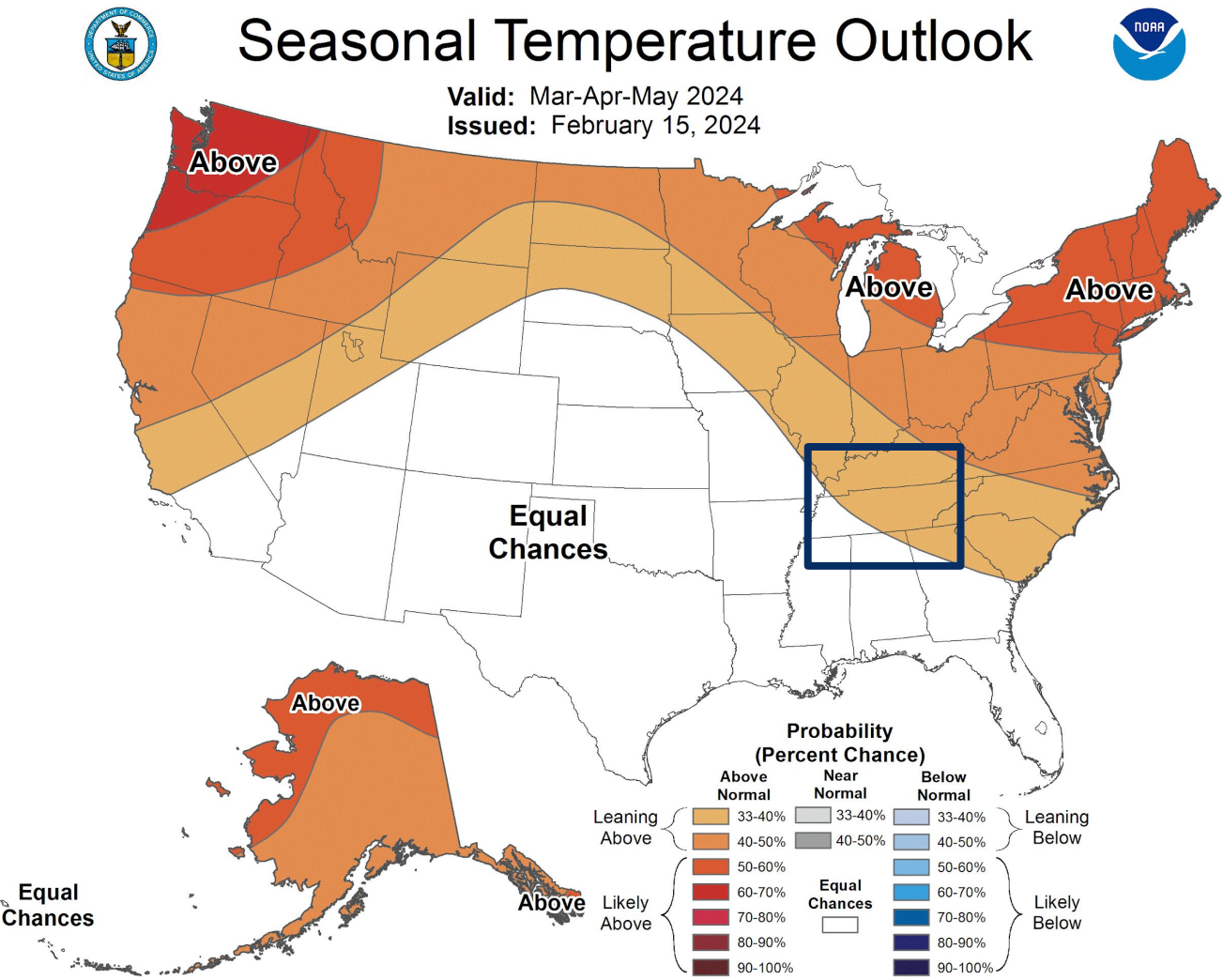


Seasonal Outlook

Seasonal Temperature and Precipitation Outlook

Main Takeaways

- There is a higher probability (33-40% chance) for above normal temperatures during Mar-Apr-May for Middle Tennessee
- There is a higher probability (40-50% chance) for above normal precipitation during Mar-Apr-May for Middle Tennessee





Drought Outlook

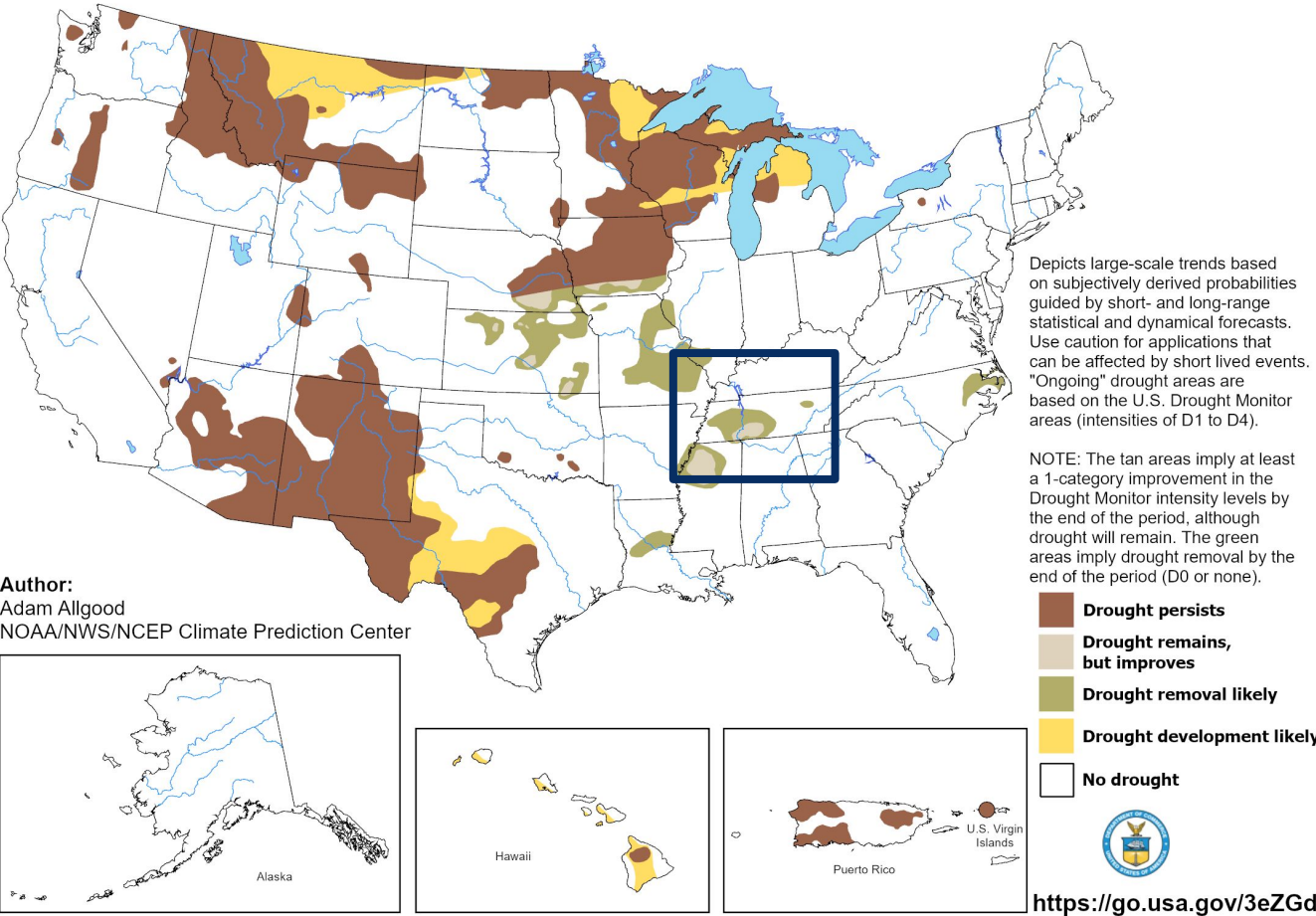
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

Main Takeaways

- Recent rains have helped improve the ongoing drought situation
- Drought is expected to improve through March and into April.

U.S. Monthly Drought Outlook
Drought Tendency During the Valid Period

Valid for March 2024
Released February 29, 2024



U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period

Valid for March 1 - May 31, 2024
Released February 29, 2024

