

# June 2024 Monthly Summary

July 2, 2024  
6:38 AM

After a busy spring, June was fairly quiet in terms of severe weather. The most significant severe weather event of the month took place on the 25th between 5pm and 9pm EDT. A line of storms pushed southeastward from southern Indiana into north central Kentucky, producing winds strong enough to knock down trees between Louisville and Madison.

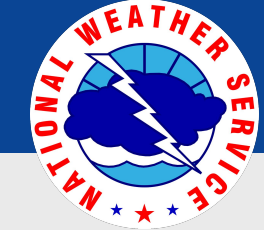
On the 4th, storms moving from south to north across central Kentucky produced spotty flash flooding in Nelson and Jefferson Counties. Cars were submerged near the intersection of Seventh Street and Berry Boulevard in Louisville.

The second half of the month was warm, with above normal daily average temperatures each day from the 14th to the 26th. Overall, the 22nd was the hottest day of the month with highs in the lower and middle 90s throughout the region.



The sun setting behind the Fourteenth Street Bridge between Louisville and Clarksville on the 27th. The bridge has been in use since 1870.





# Averages, Departures, & Records

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## Station Values

	Average Temperature	Departure from Normal	Precipitation	Departure from Normal	Snow	Departure from Normal
<b>Bowling Green</b>	77.7°	+1.6°	2.86"	-1.65"	0"	0"
<b>Frankfort</b>	74.9°	+1.2°	1.80"	-2.54"		
<b>Lexington</b>	76.1°	+2.8°	3.03"	-1.93"	0"	0"
<b>Louisville Ali</b>	78.5°	+2.1°	1.78"	-2.49"	0"	0"
<b>Louisville Bowman</b>	75.2°	-0.2°	2.88"	-1.80"		

## Records

- 17th: Warm low of 76° at Lexington
- 18th: Warm low of 73° at Frankfort, warm low of 75° at Lexington
- 19th: Warm low of 79° at Louisville

- 23rd: Warm low of 74° at Lexington
- 29th: Warm low of 80° at Bowling Green, warm low of 79° at Frankfort\*, warm low of 78° at Lexington, warm low of 83° at Louisville\*

Source: [NWS Louisville Climate](#)

\*Warmest daily low temperature ever recorded in June

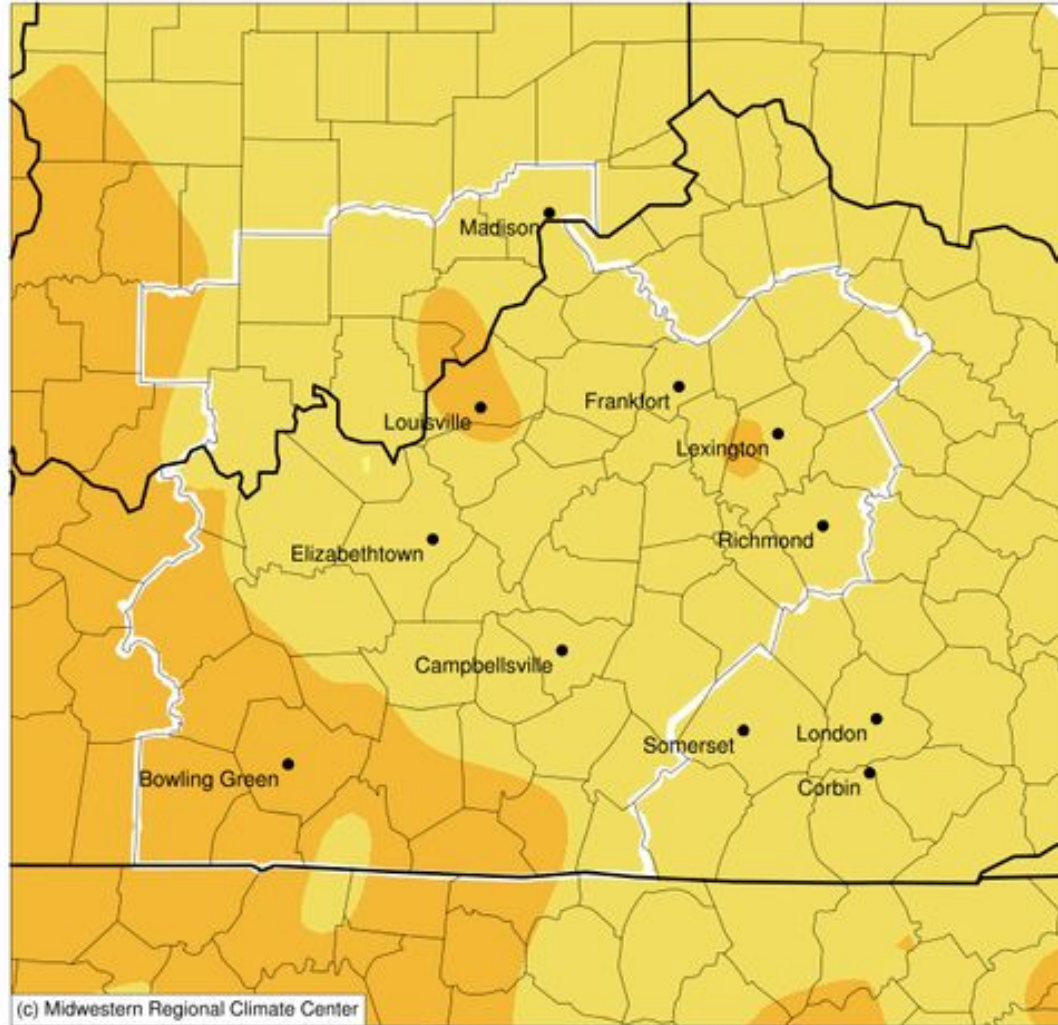




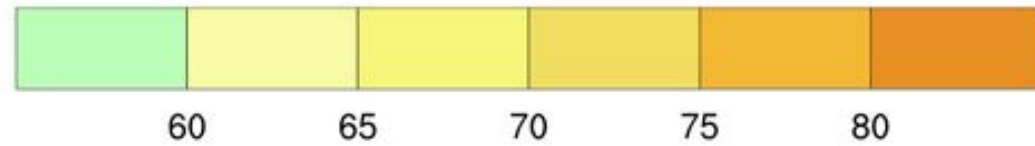
# Temperature Maps

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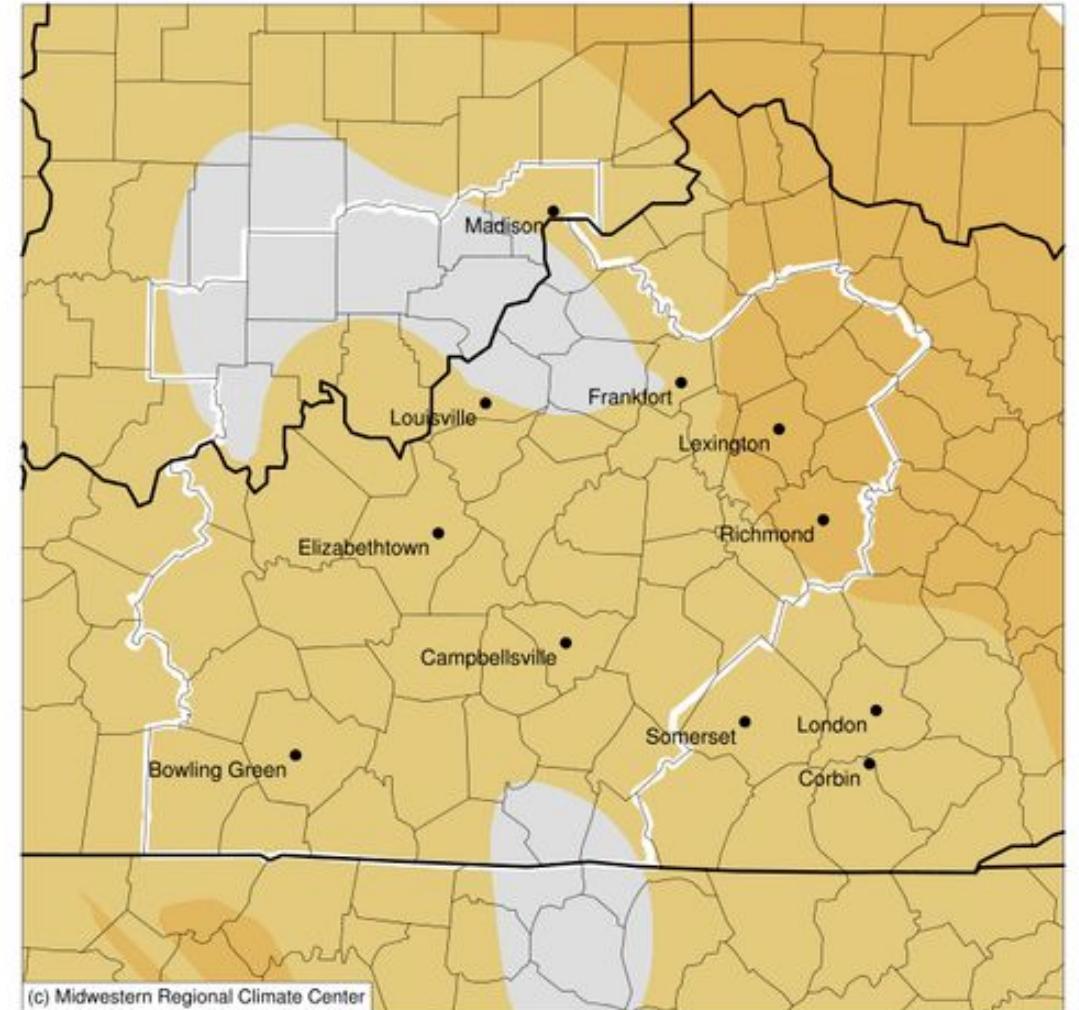
Average Temperature (°F)  
June 01, 2024 to June 30, 2024



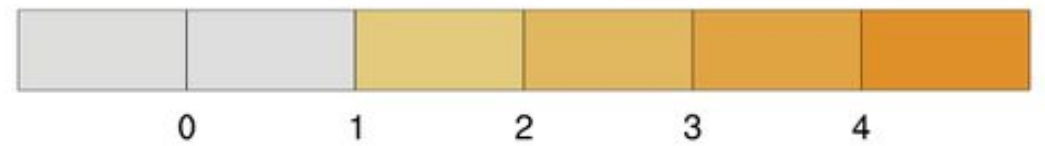
(c) Midwestern Regional Climate Center



Average Temperature (°F): Departure from 1991-2020 Normals  
June 01, 2024 to June 30, 2024

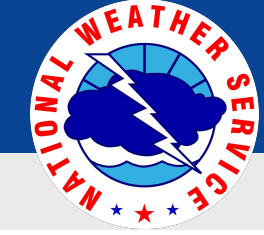


(c) Midwestern Regional Climate Center



Source: [MRCC](#)

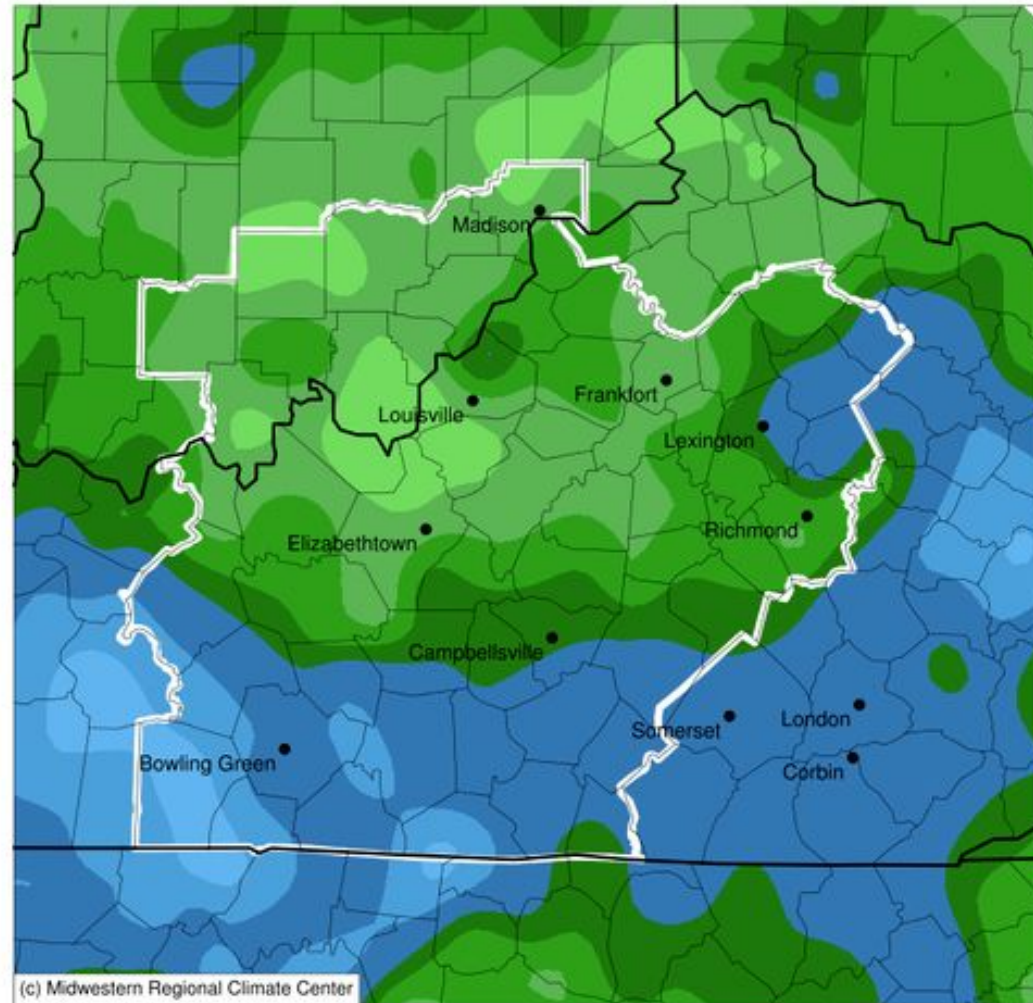




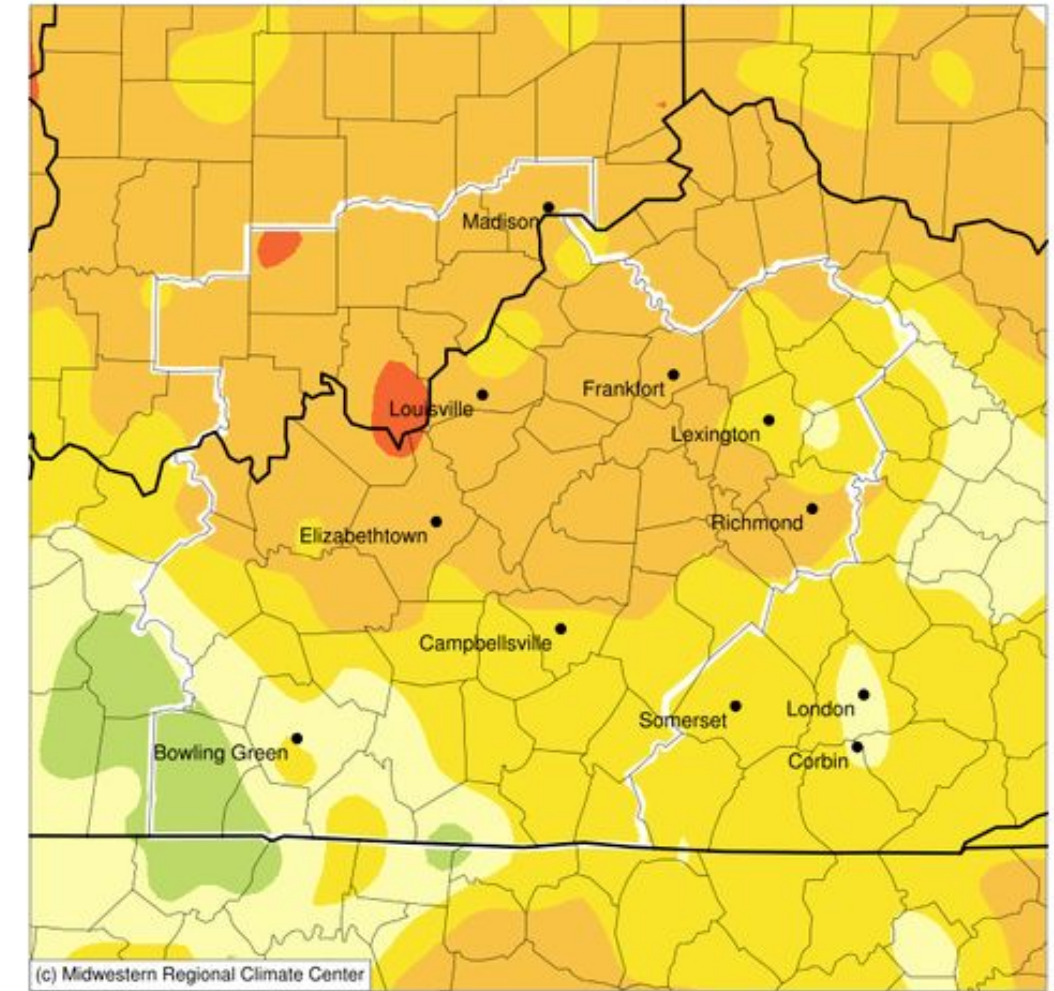
# Precipitation Maps

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**Accumulated Precipitation (in)**  
June 01, 2024 to June 30, 2024

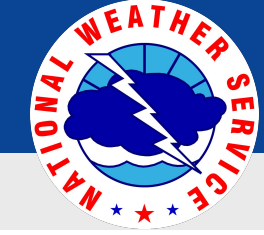


**Accumulated Precipitation (in): Percent of 1991-2020 Normals**  
June 01, 2024 to June 30, 2024



Source: [MRCC](#)



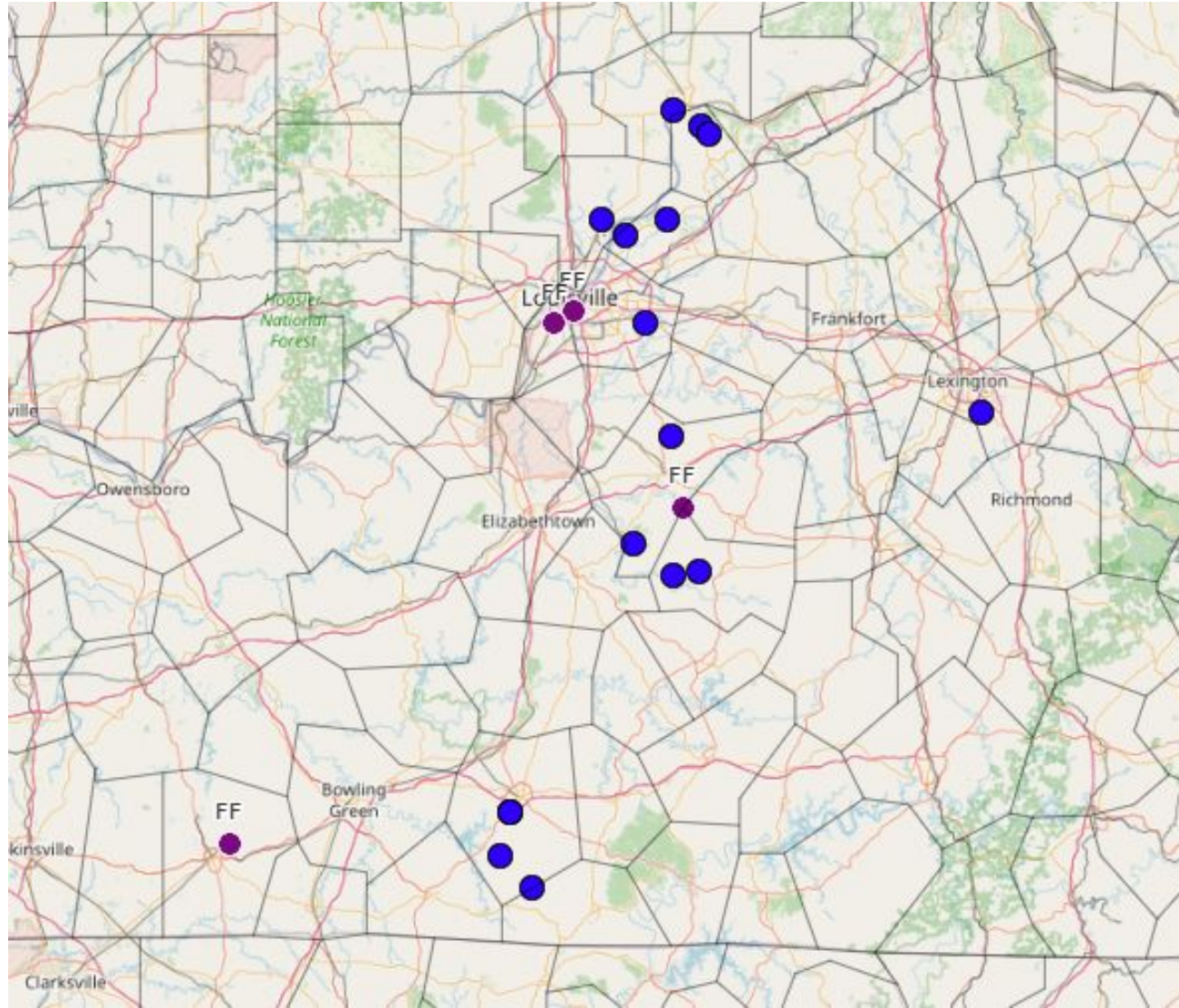


# Preliminary Severe Weather Reports

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June 1-30, 2024

Source: [NWS Severe Verification Helper](#)



● Wind  
 ● Hail  
 ● Tornado  
 ● Flash Flood

After a very busy May during which this office issued 77 convective warnings, NWS Louisville only issued a dozen warnings in June (3 Flash Flood and 9 Severe Thunderstorm). The average time between the issuance of a warning and the first report of damage was about eight minutes.

**Camping Safety**  
PREPARING FOR WEATHER

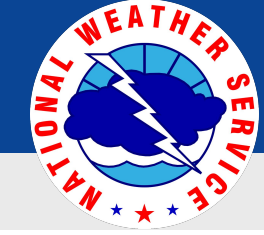
**KNOW YOUR WEATHER FORECAST**

**NOTIFY FAMILY/FRIENDS OF YOUR PLANS**

**HAVE AN EVACUATION PLAN, KNOW WHERE AND HOW FAST YOU CAN FIND SHELTER**

**PACK A SAFETY KIT AND WEATHER RADIO**

[weather.gov/lightning](https://weather.gov/lightning)

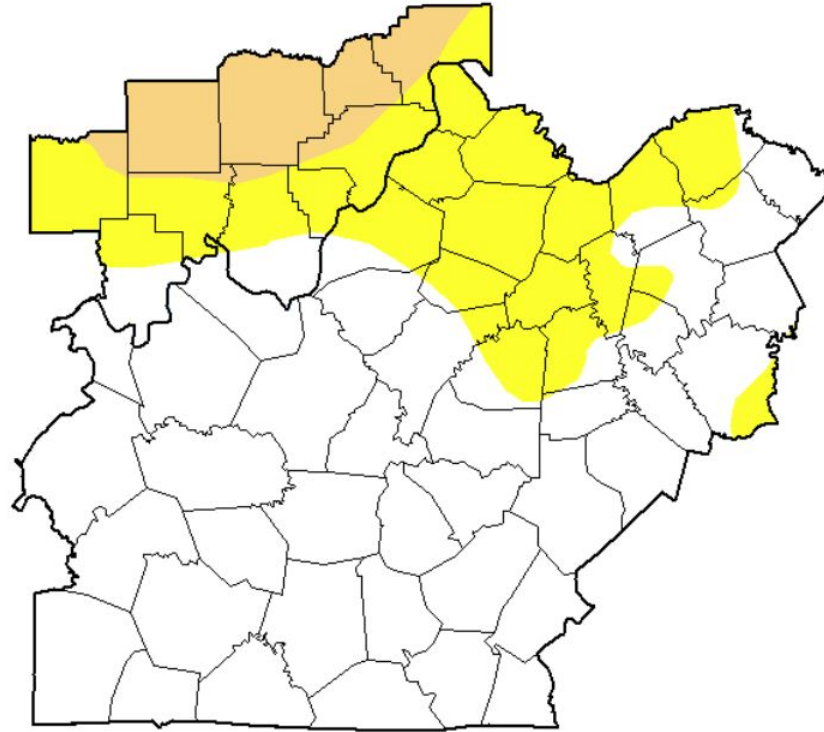


# U.S. Drought Monitor Maps & Class Change

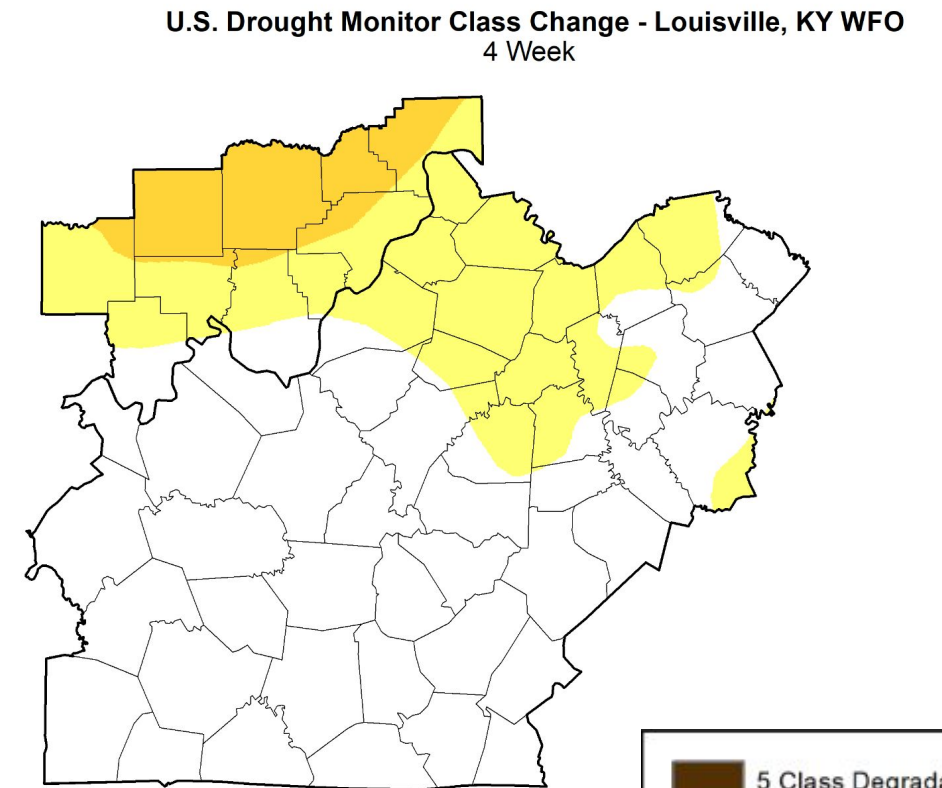
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June 4, 2024



June 25, 2024



From May 28 to June 25

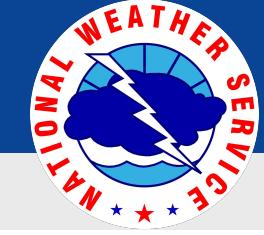
Intensity:

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

- 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

Source: [USDM](#)



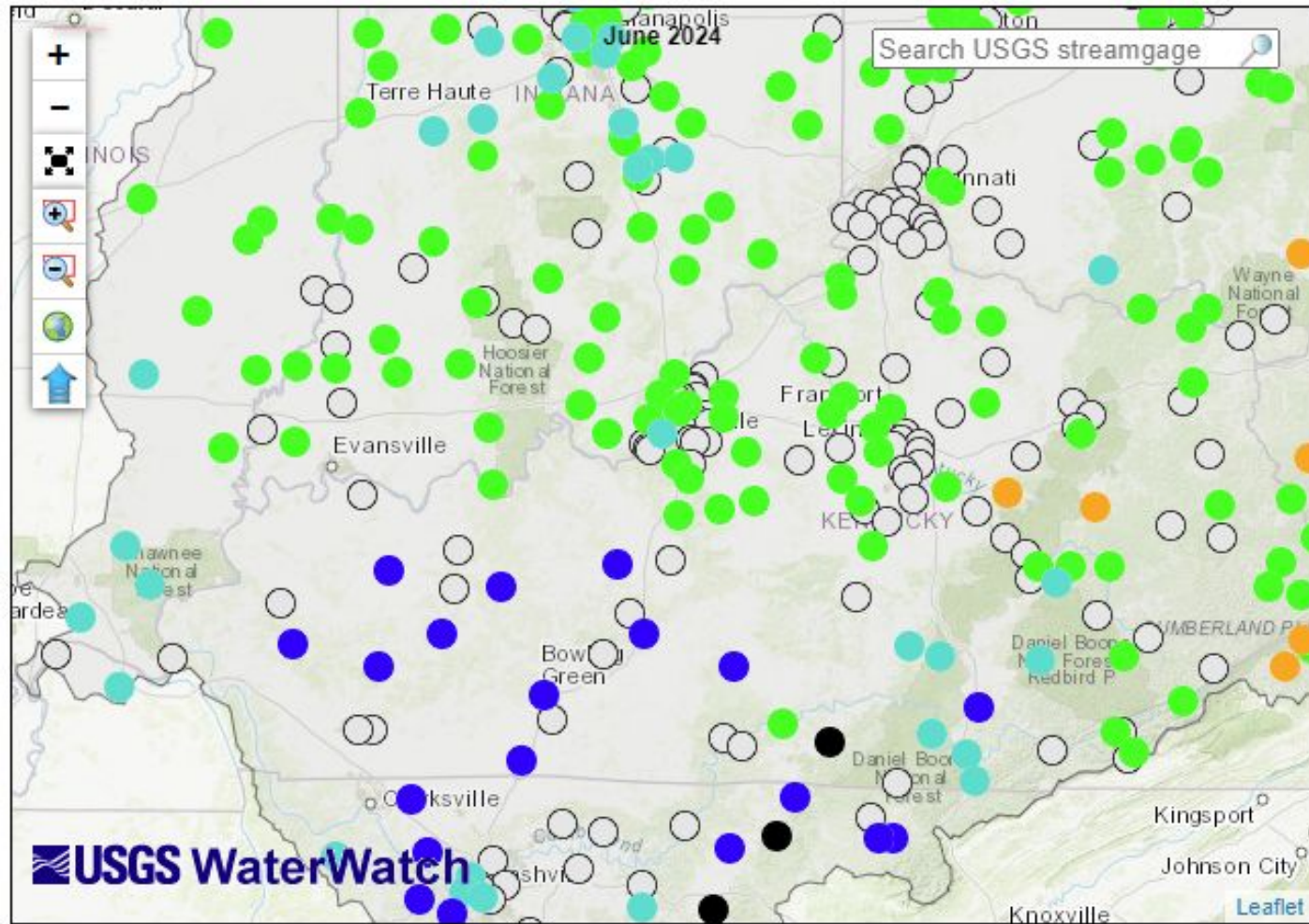


# Monthly Streamflow Anomalies for the Ohio Valley

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June 2024

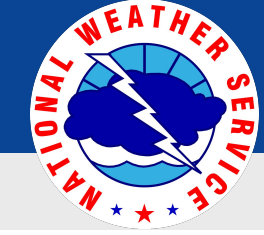
## Map of monthly average streamflow compared to historical streamflow for the month of the year



Our wet spring resulted in healthy streamflows as the calendar turned from May to June. However, as the frequency of heavy rains decreased over the course of the month, and temperatures rose into the 90s many times during the second half of the month, streamflows began to decrease. Southern Indiana was especially dry and saw significant falls in stream levels.

Source: [USGS](https://waterwatch.usgs.gov/)

Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked



# CPC Monthly Outlook - July 2024

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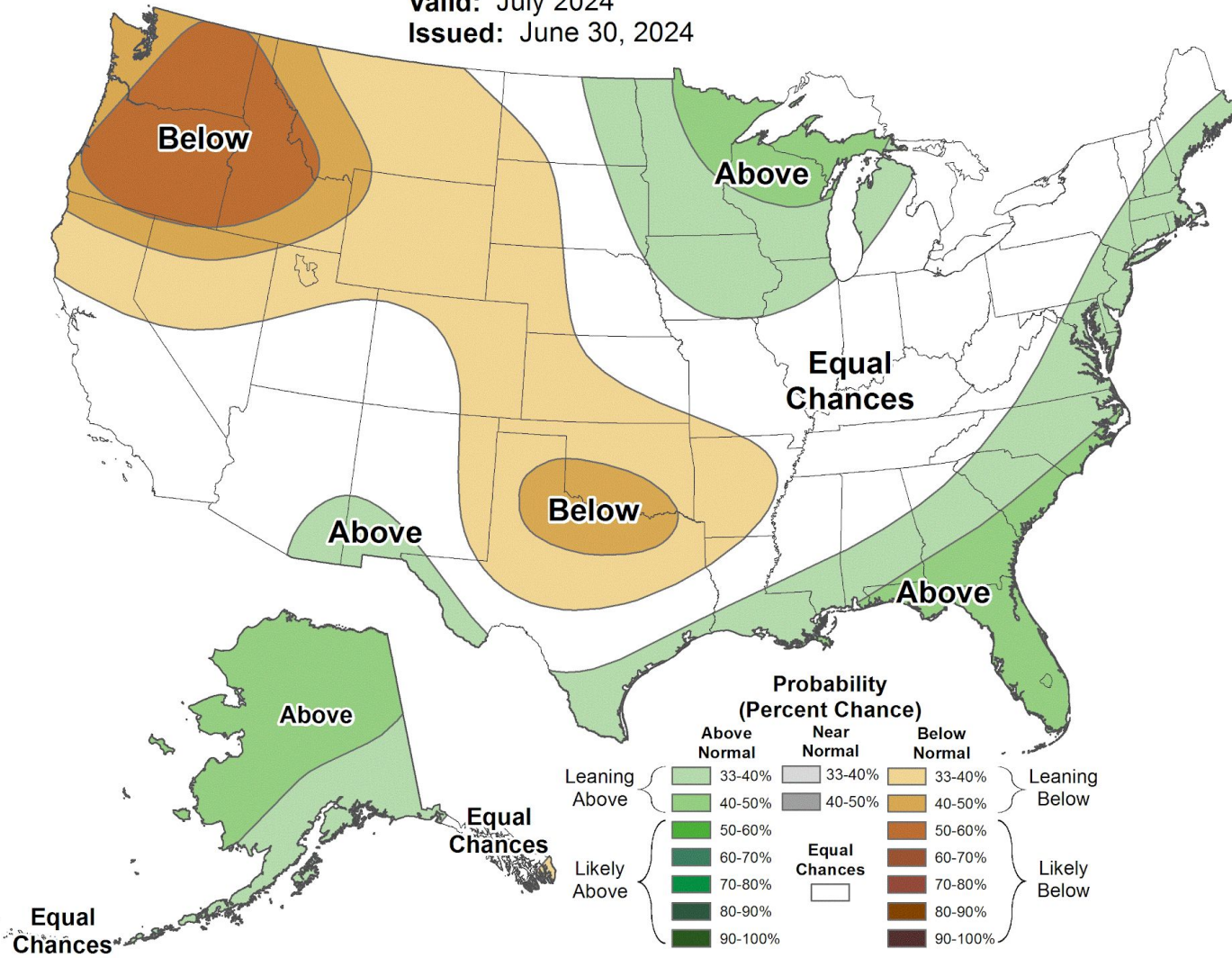
The odds are tilting toward a warmer than normal July. There is no clear signal for precipitation.



## Monthly Precipitation Outlook



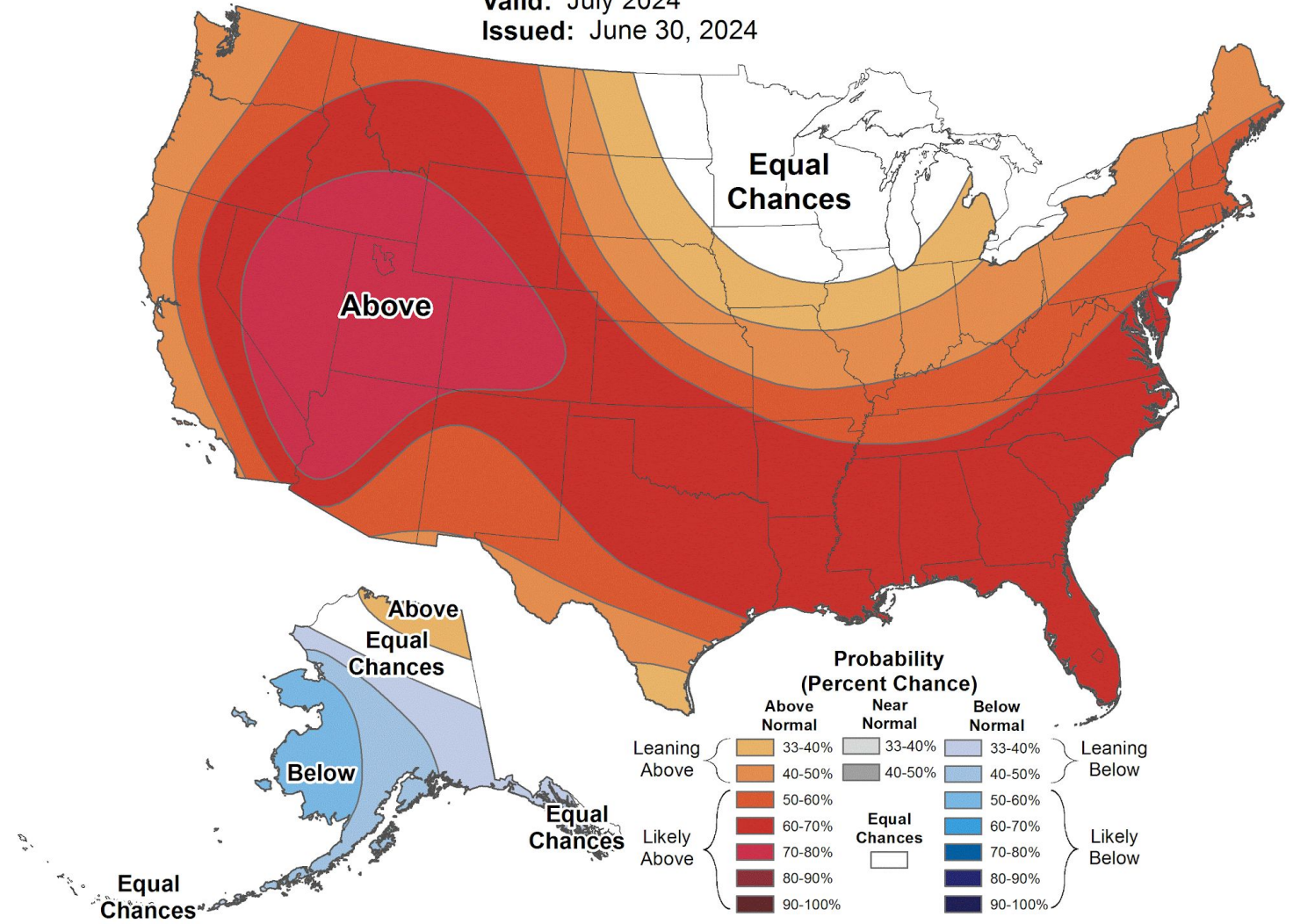
Valid: July 2024  
Issued: June 30, 2024



## Monthly Temperature Outlook



Valid: July 2024  
Issued: June 30, 2024



Source: [Climate Prediction Center, NOAA](https://climatepredictioncenter.noaa.gov/)



National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Louisville, KY