

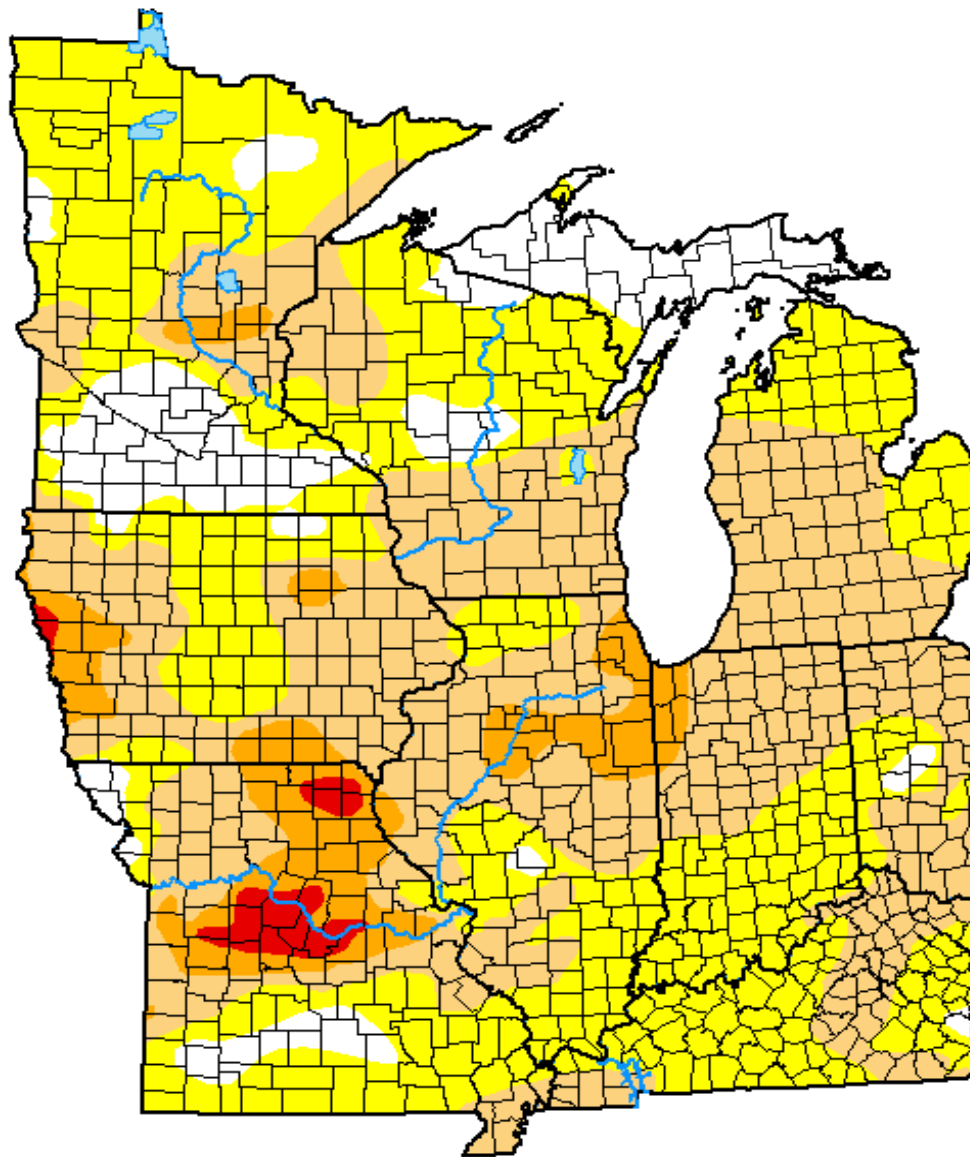


# Drought Briefing

June 15, 2023  
10:01 AM

Update as of June 15

## Drought Expanding and Worsening Across Illinois and Indiana

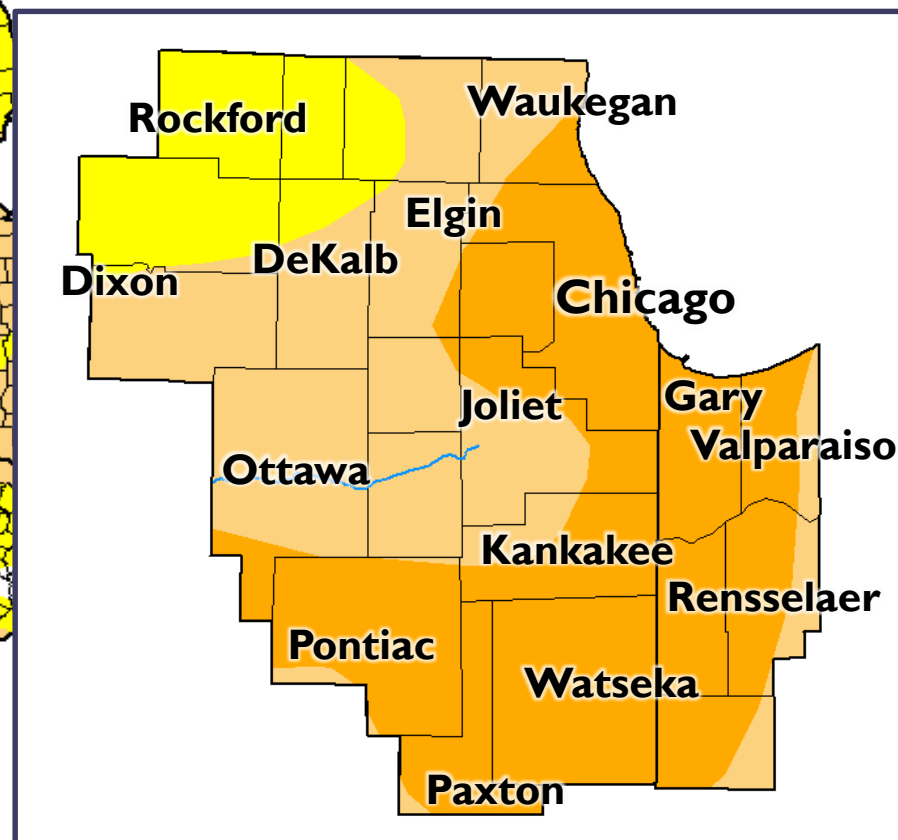


Intensity:

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>

[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



### ! Key Drought Messages:

- Moderate Drought (D1) rapidly expanding across Illinois and Indiana. Severe Drought (D2) conditions now exist in portions of northeast Illinois and northwest Indiana.
- Flash drought underway – additional dry weather will worsen drought conditions.

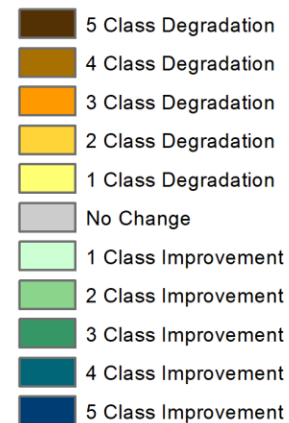
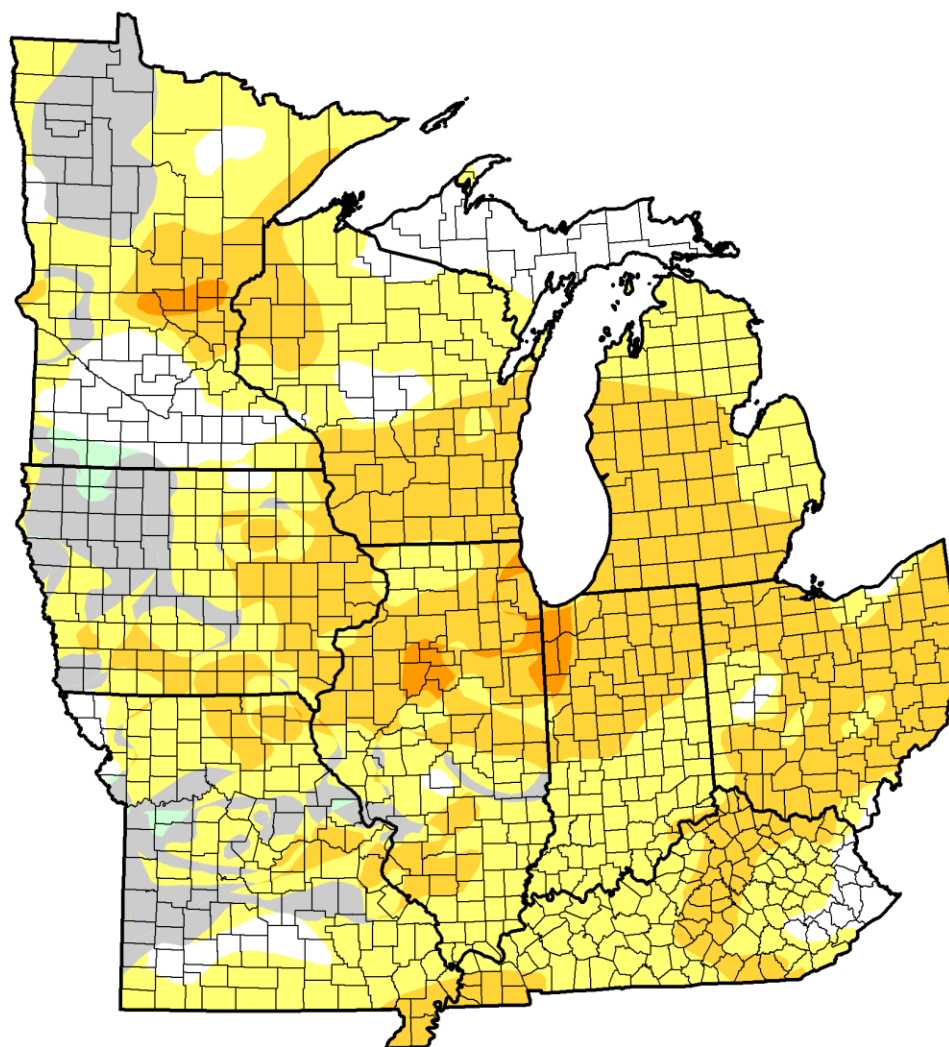


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June 15, 2023  
10:01 AM

## Change in Drought Status Since Last Month

U.S. Drought Monitor Class Change - Midwest  
4 Week



June 13, 2023  
compared to  
May 16, 2023

[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

## **NEW** Drought Changes

- Drought conditions have worsened across most of the Midwest including northeast Illinois and northwest Indiana.
- Areas with the most rapid worsening of drought conditions include central through northeast Illinois and northern Indiana.



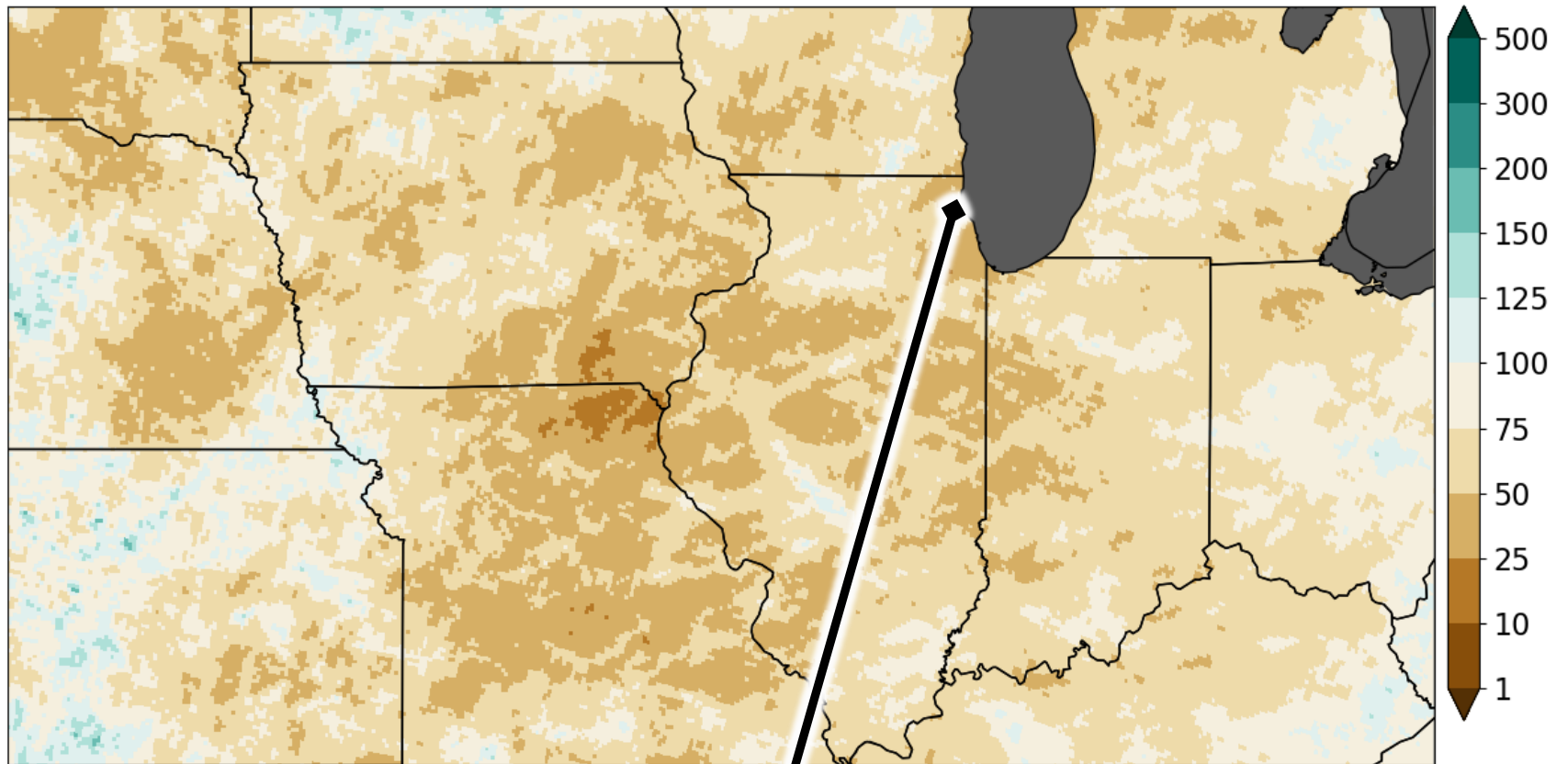
# Drought Briefing

June 15, 2023  
10:02 AM

## Rainfall Since April 1st

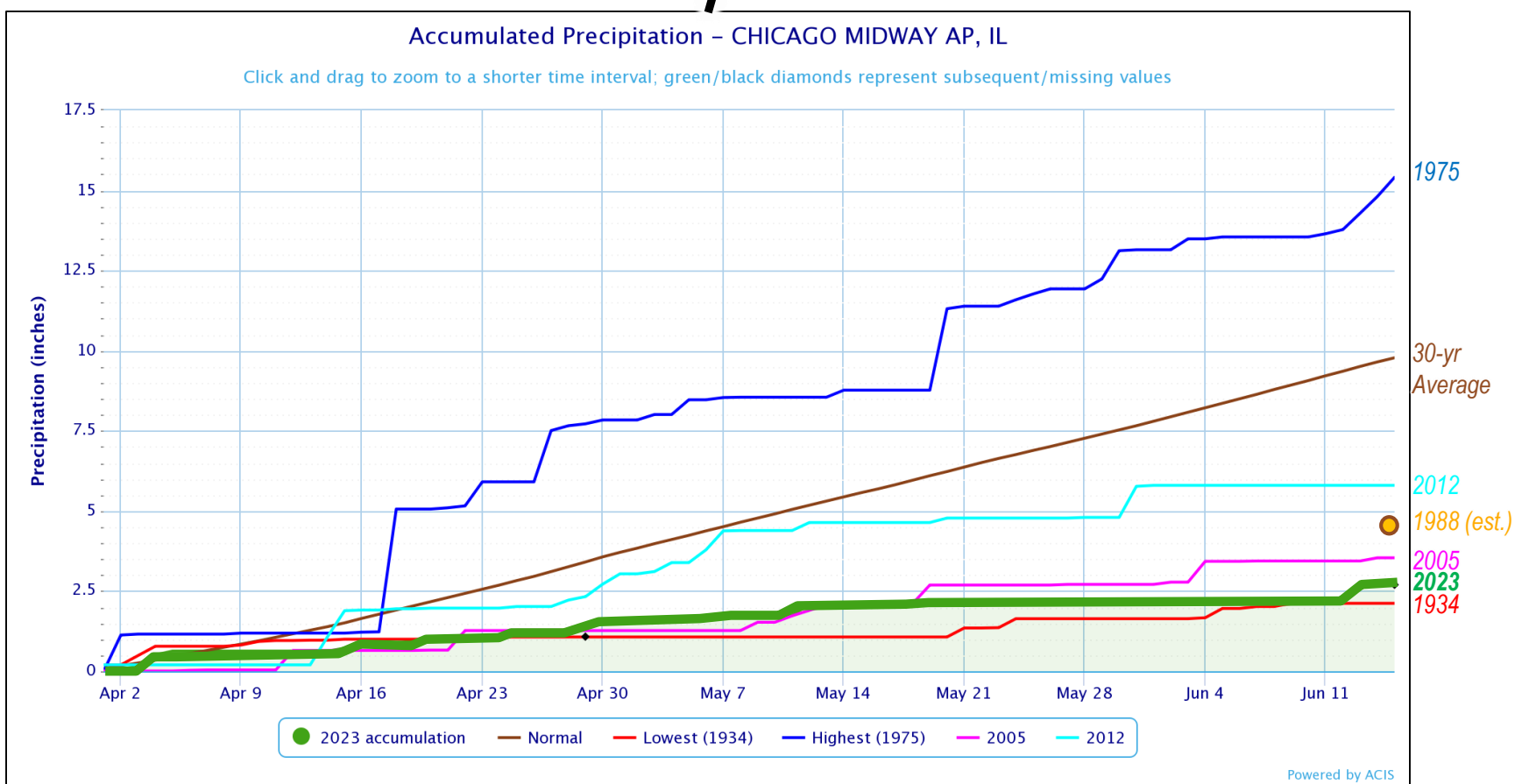


NOAA StageIV:: 31 March 2023 ~12z to 15 June 2023 ~12z Precip Percent of Average [%]  
Data from NOAA/NWS River Forecast Centers



Generated at 15 Jun 2023 9:24 AM CDT in 27.57s

data units :: percent  
IEM Autoplot App #84



*Precipitation since April 1 at some northeast Illinois locations has been among the lowest recorded since the early 1900s.*

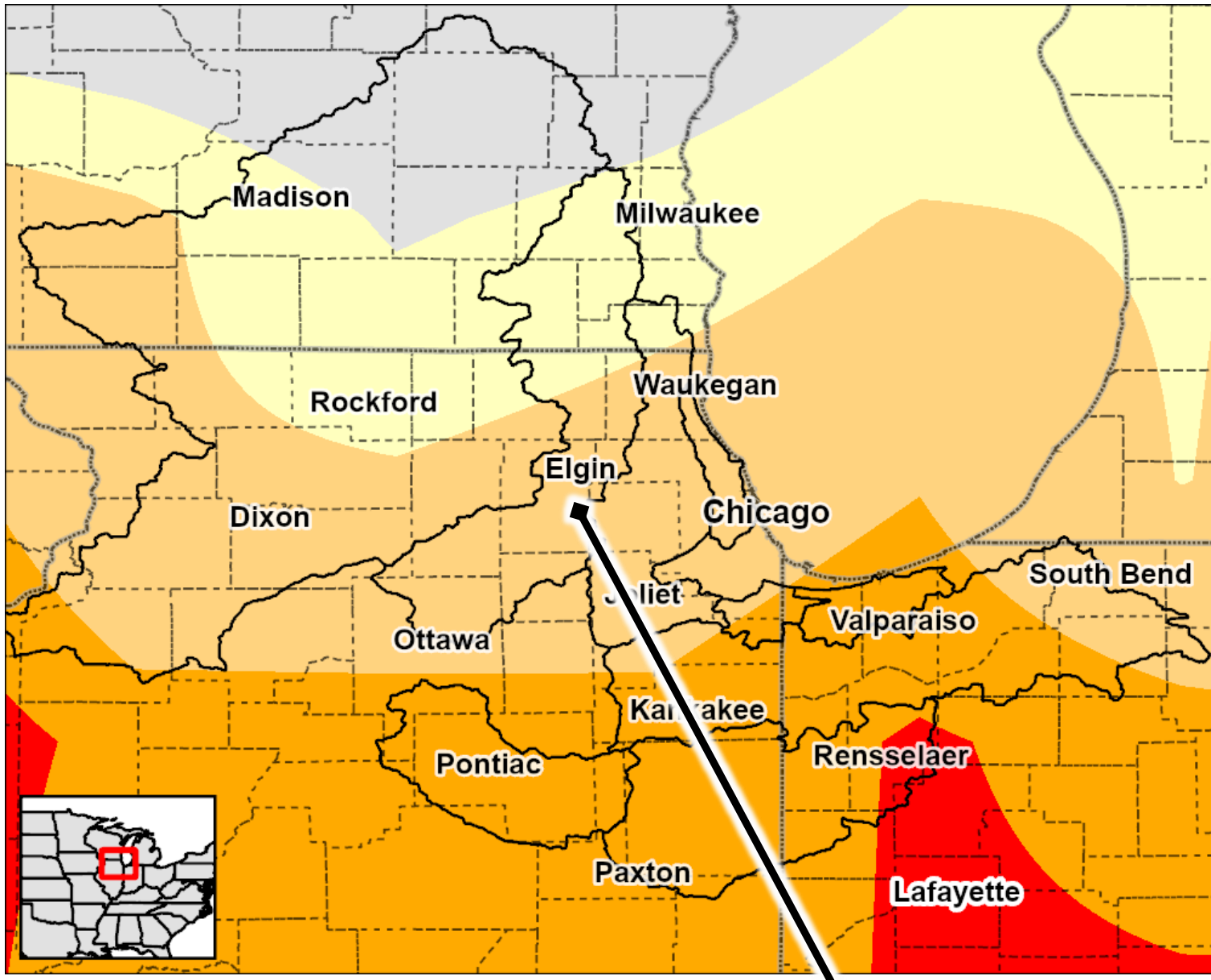
Image Source: Iowa Environmental Mesonet; National Weather Service



# Drought Briefing

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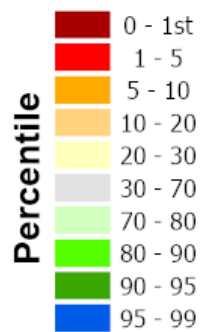
## Modeled and Measured Soil Moisture



### Soil Moisture

2023/06/12

Source: CPC



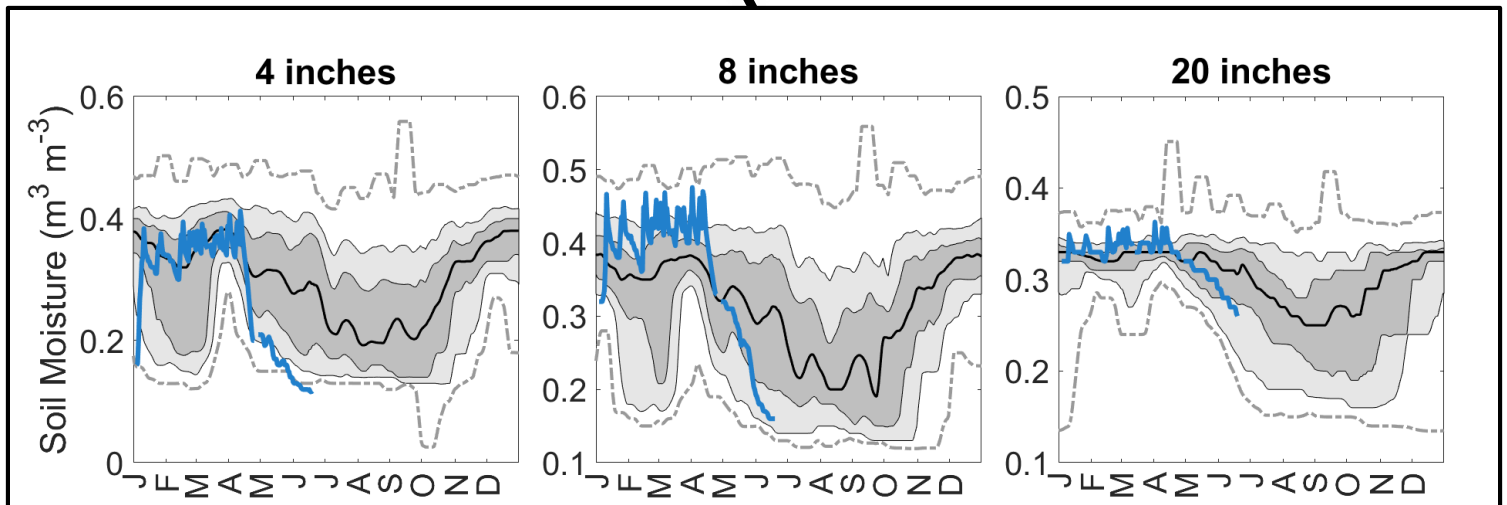
weather.gov/Chicago

Created:  
2023/06/13 08:28 AM

### Measured Soil Moisture

#### Median Value

#### Range of Past Values



Near-surface (<8-inch depth) soil moisture values are near the lowest levels recorded in the last 10-20 years at many locations in northern Illinois. Deeper soil moisture has recently begun to fall quickly.

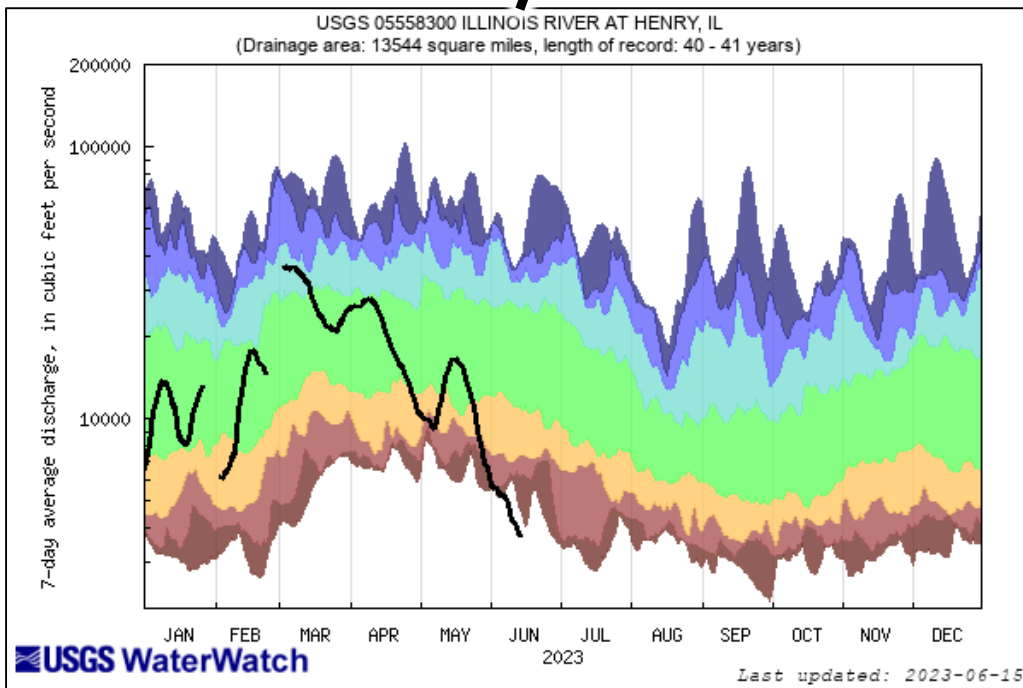
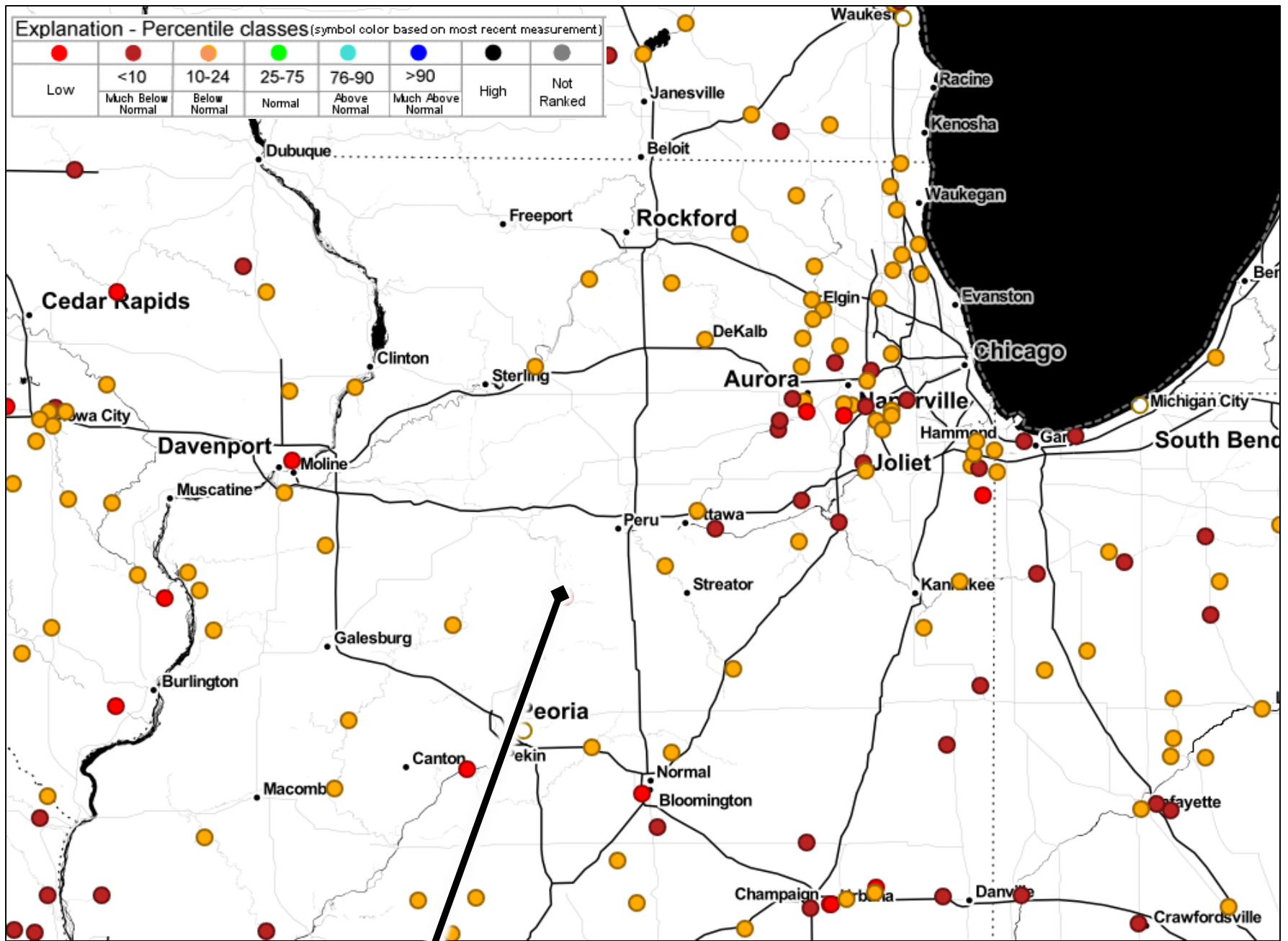
Image Source: Climate Prediction Center; Illinois State Water Survey



# Drought Briefing

June 15, 2023  
10:02 AM

## River Levels/Streamflow



*Some portions of Illinois River nearing lowest flow in 40 years for early June.*

*Many small streams in northeast Illinois also nearing record lows.*

Image Source: US Geological Society



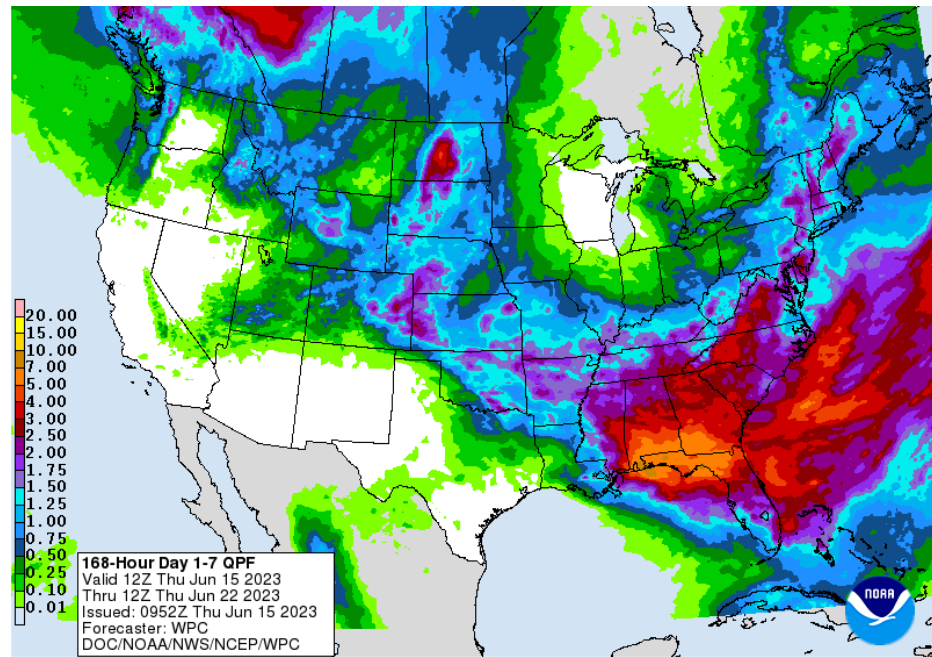
# Drought Briefing

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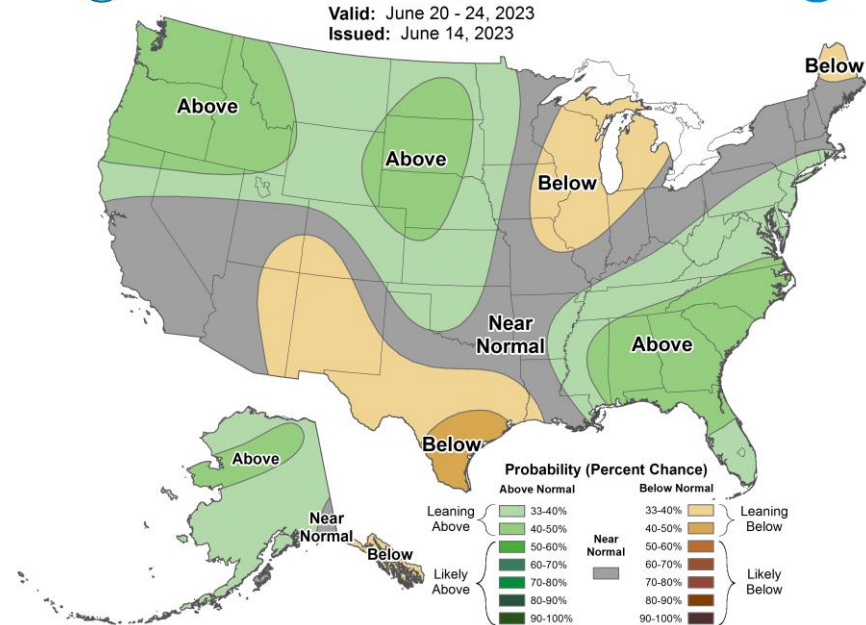
## Weather Forecast

### Forecaster Comments:

- Current weather forecast indicates little rainfall over the next 7-days, with amounts in the Great Lakes and Midwest generally 1 inch or less.
- The longer-term outlook indicates no strong signal of either below or above average precipitation.
- Widespread, drought-mitigating rainfall is typically less common in mid-Summer.



### 6-10 Day Precipitation Outlook



### 8-14 Day Precipitation Outlook

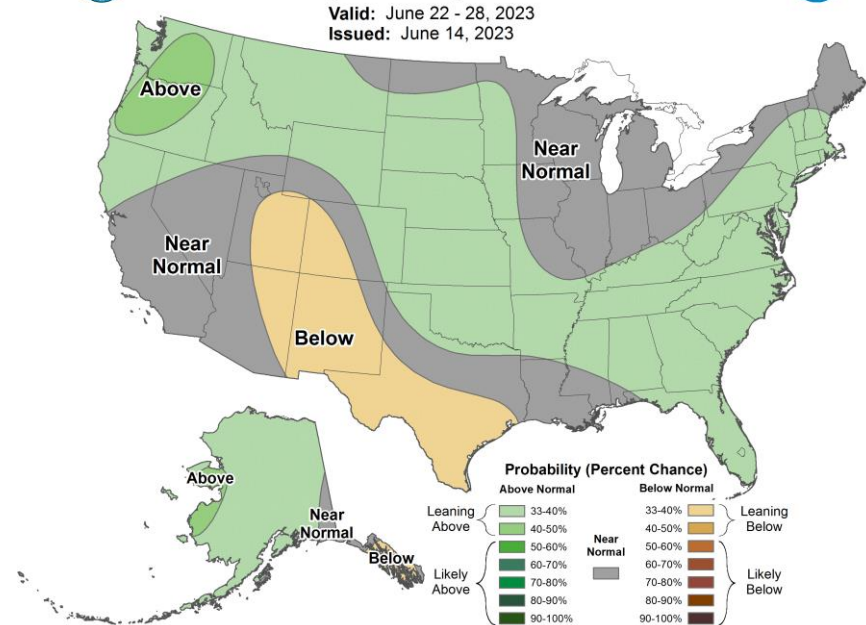


Image Source: Climate Prediction Center



# Drought Briefing

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## Known Impacts

- Cracking, dry soil.
- Dormant lawns, stressed trees & shrubs.
- Low streams & ponds; some streams near lowest levels for early June over last few decades.
- Stressed crops/agriculture.
- Burn bans and water usage restrictions.
- Increased wildfire spread.

Reports of drought impacts can be submitted multiple ways:

- National Drought Mitigation Center Condition Monitoring  
[go.unl.edu/cmor\\_drought](https://go.unl.edu/cmor_drought)
- National Drought Mitigation Center Visual Drought Atlas  
[go.unl.edu/photoatlas](https://go.unl.edu/photoatlas)
- CoCoRaHS  
[cocorahs.org/Content.aspx?page=condition](https://cocorahs.org/Content.aspx?page=condition)





# Drought Briefing

June 15, 2023  
10:02 AM

## Links and Contact Information

### Next Briefing

No additional briefings or products are currently scheduled.

### Additional Local Information

NWS Chicago Drought Page  
[weather.gov/lot/drought](https://weather.gov/lot/drought)

### Partners

Illinois State Climatologist's Office  
[stateclimatologist.web.illinois.edu/](https://stateclimatologist.web.illinois.edu/)

Indiana State Climatologist's Office  
[ag.purdue.edu/indiana-state-climate/](https://ag.purdue.edu/indiana-state-climate/)

National Drought Mitigation Center  
[drought.unl.edu/](https://drought.unl.edu/)

National Integrated Drought Information System  
[drought.gov/drought/](https://drought.gov/drought/)

Midwestern Regional Climate Center  
[mrcc.purdue.edu/](https://mrcc.purdue.edu/)



National Weather Service  
Weather Forecast Office Chicago, IL



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NWSChicago

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

[nws.chicago@noaa.gov](mailto:nws.chicago@noaa.gov)



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

National Weather Service  
Chicago, IL