



# Drought Information Statement for Central and Southeast Illinois

Valid September 7, 2023

Issued By: WFO Lincoln, IL

Contact Information: [nws.lincoln@noaa.gov](mailto:nws.lincoln@noaa.gov)

- This product will be updated Sept. 21, 2023 or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/ilx/DroughtInformationStatement> for previous statements.



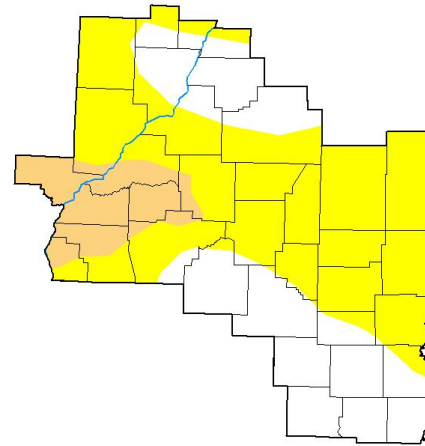


# U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for central and southeast Illinois

- Drought Intensity and Extent:
  - D1 (Moderate Drought): This remains focused over west central Illinois, and includes the following counties: Cass, Mason, Menard, Morgan, Schuyler, and Scott.
  - D0: (Abnormally Dry): A large area of central Illinois has abnormally dry conditions, extending from near Galesburg and Canton southeast to the Indiana border near Danville and Martinsville.
- Dry weather is expected to prevail through the middle of the month.

## U.S. Drought Monitor Lincoln, IL WFO



**September 5, 2023**  
(Released Thursday, Sep. 7, 2023)  
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	33.31	66.69	11.53	0.00	0.00	0.00
<b>Last Week</b> 08-29-2023	51.27	48.73	11.53	0.00	0.00	0.00
<b>3 Months Ago</b> 06-06-2023	5.03	94.97	64.29	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-01-2023	37.65	62.35	7.89	0.00	0.00	0.00
<b>Start of Water Year</b> 09-27-2022	66.27	33.73	5.64	0.00	0.00	0.00
<b>One Year Ago</b> 09-06-2022	59.96	40.04	7.04	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

Richard Tinker  
CPC/NOAA/NWS/NCEP



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

Image Caption: U.S. Drought Monitor valid 7 am CDT September 5th.





# Recent Change in Drought Intensity

Link to the latest [1-week change map](#) for central and southeast Illinois

- One Week Drought Monitor Class Change.
  - Drought Worsened: Areas from near Sullivan east to Paris and Marshall have seen drought conditions worsen, as well as areas south of Springfield.
  - No Change: Most of central Illinois has seen conditions remain status quo.

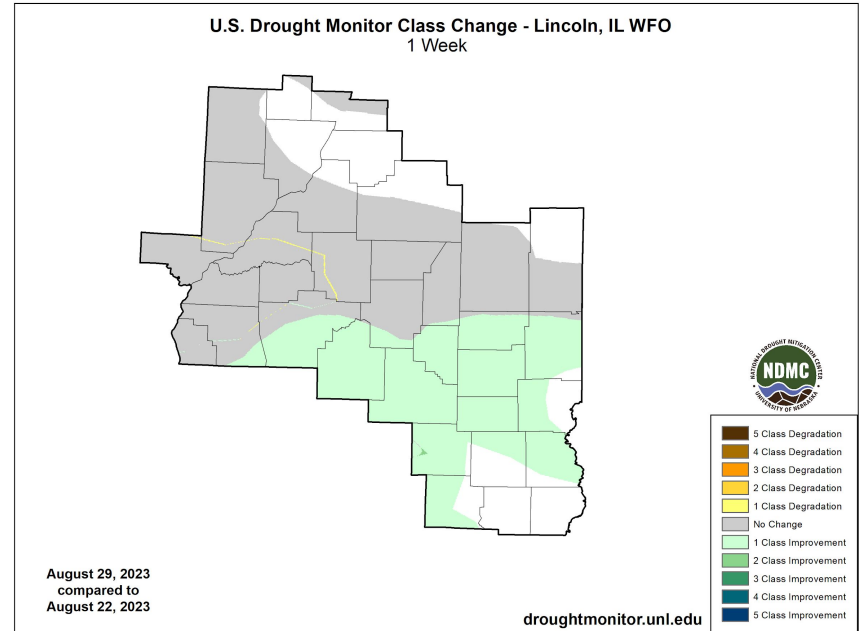


Image Caption: U.S. Drought Monitor 1-week change map valid 7 am CDT August 29th.



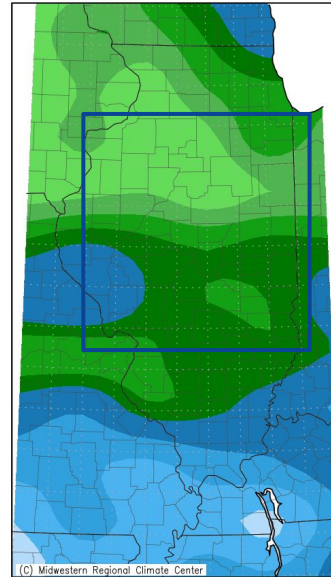


# Precipitation

Last 30 days

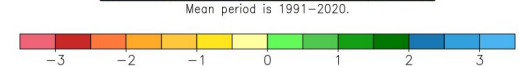
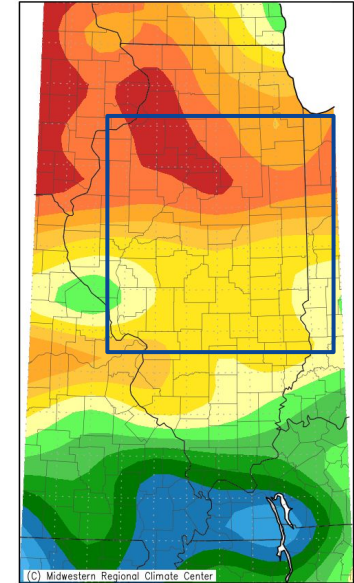
- Rainfall since the first week of August has averaged 1.5 to 2.5 inches over central Illinois, though this remains below normal for that period.
- The driest conditions are north of a Canton to Bloomington line, where rainfall is running 2 to 3 inches below normal during the past month.

Accumulated Precipitation (in)  
August 8, 2023 to September 6, 2023



Illinois State Climatologist Office, [www.isws.illinois.edu](http://www.isws.illinois.edu)  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana-Champaign

Accumulated Precipitation (in): Departure from Mean  
August 8, 2023 to September 6, 2023



Illinois State Climatologist Office, [www.isws.illinois.edu](http://www.isws.illinois.edu)  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana-Champaign

Image Captions:

Left - Precipitation Amount for Illinois

Right - Percent of Normal Precipitation for Illinois

Data Courtesy Illinois State Climatologist Office

Data over the past 30 days ending September 6, 2023



National Oceanic and  
Atmospheric Administration

U.S. Department of Commerce

National Weather Service  
Lincoln, Illinois



# Summary of Impacts

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

## Hydrologic Impacts

- There are no known impacts at this time

## Agricultural Impacts

- There are no known impacts at this time

## Fire Hazard Impacts

- There are no known impacts at this time

## Other Impacts

- There are no known impacts at this time

## Mitigation Actions

- None reported

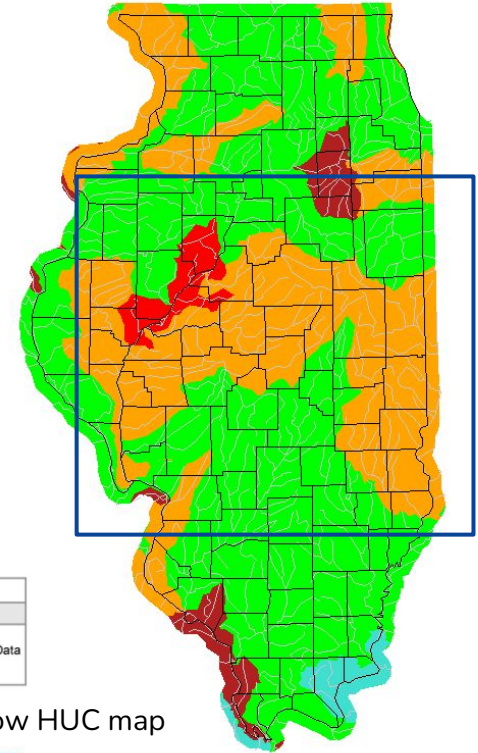




# Hydrologic Conditions and Impacts

- Streamflows are in the 25th or less percentile over a large part of central Illinois.
- Low streamflows are observed in portions of the middle Illinois River basin.
- Large water sources such as Lake Springfield, Lake Decatur, and Lake Shelbyville have near or above normal water levels for this time of year.

Wednesday, September 06, 2023



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		

Image Caption: USGS 7 day average streamflow HUC map valid September 6, 2023.

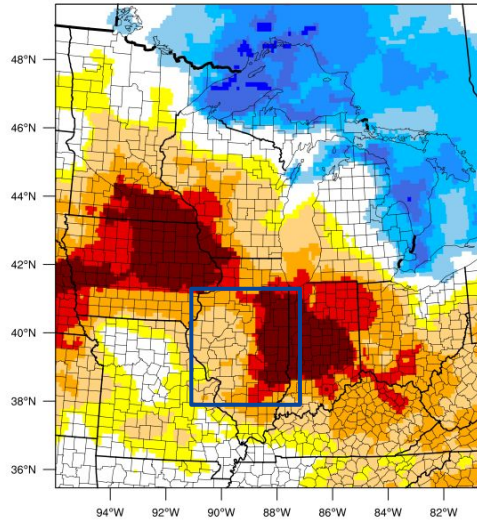




# Agricultural Impacts

- Soil moisture at the 20 cm level is below the 20th percentile in a large area from Bloomington to Lincoln northwest
- Agricultural impacts are not significant at this time, as crops begin to dry out in preparation for fall harvest

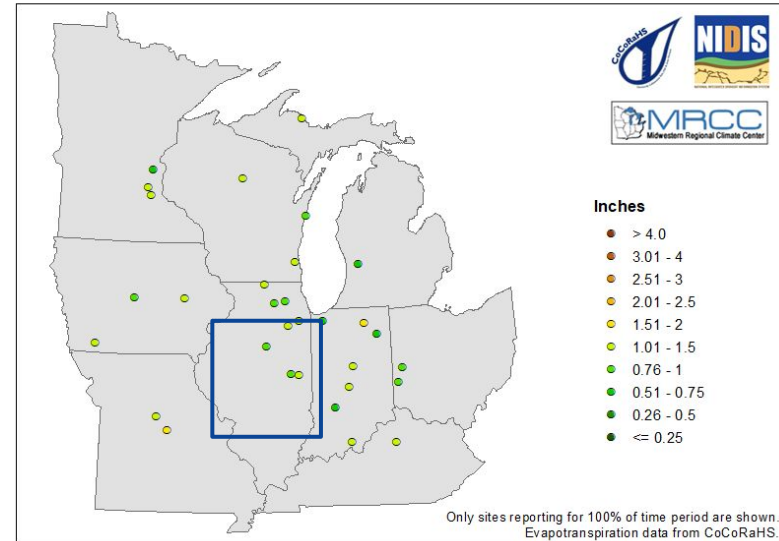
1-week EDDI categories for August 28, 2023



100% 98% 95% 90% 80% 70% 30% 20% 10% 5% 2% 0%  
 (EDDI-percentile category breaks: 100% = driest; 0% = wettest)

Generated by NOAA/ESRL/Physical Sciences Laboratory

Evapotranspiration for 7-day Period: 8/31/2023 - 9/7/2023



Only sites reporting for 100% of time period are shown.  
 Evapotranspiration data from CoCoRaHS.

Image Captions:

Left: 1-week Evaporative Demand Drought Index valid August 28, 2023  
 Right: 7-day Evapotranspiration ending September 7, 2023





# Seven Day Precipitation Forecast

- Rainfall is expected to be minimal during the upcoming 7 days, and will mainly be in the Monday to Tuesday time frame
- Most areas are likely to see less than a quarter inch of rain

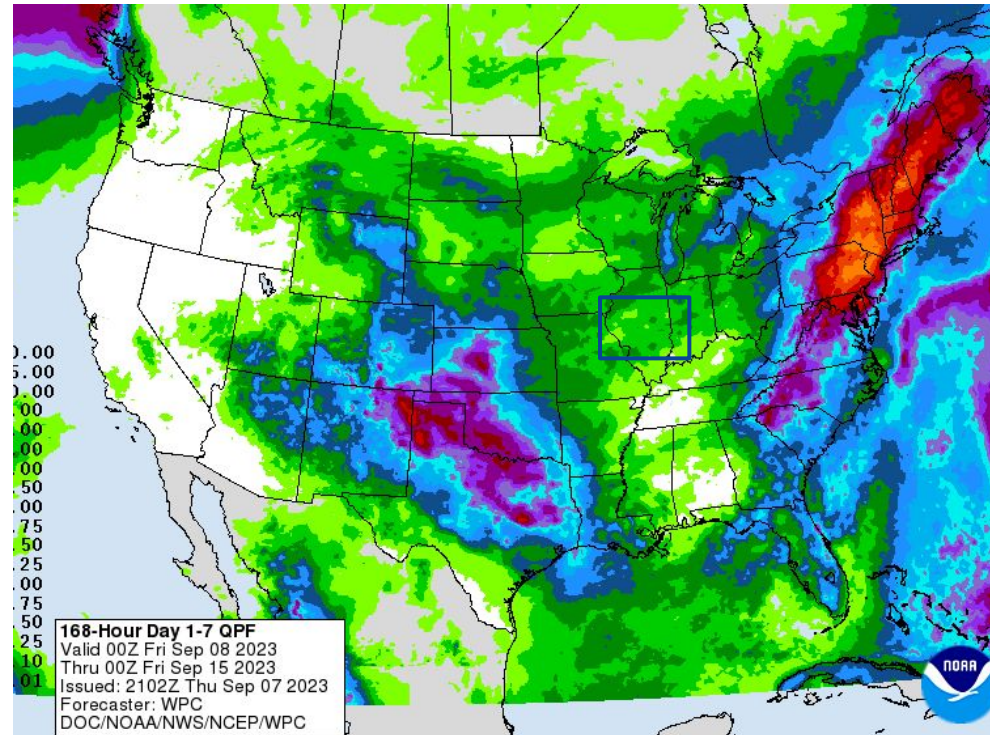


Image Caption: 7 day precipitation forecast





# Long Range Outlooks

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

- While conditions over the next 7 days are expected to favor below normal temperatures, the month as a whole has a good chance of being warmer than normal
- Rainfall is expected to be below normal for the month

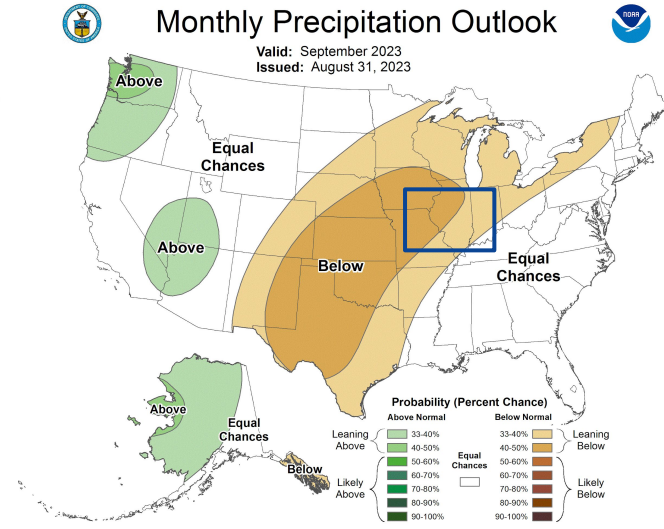
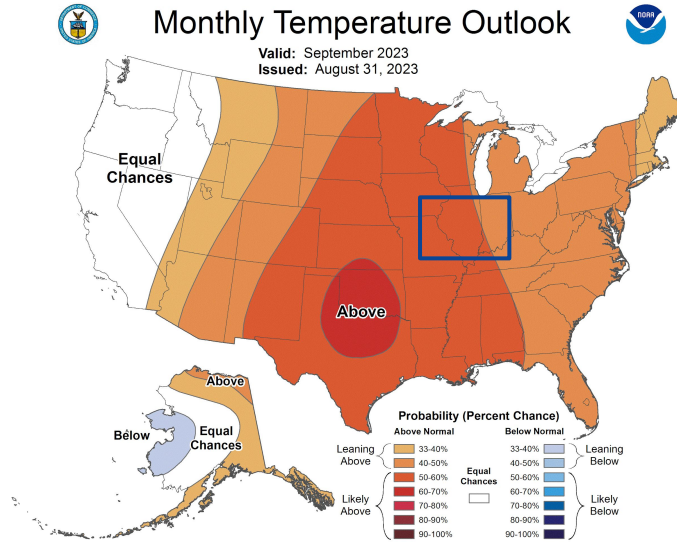


Image Captions:

Left - [Climate Prediction Center Monthly Temperature Outlook](#),

Right - [Climate Prediction Center Monthly Precipitation Outlook](#).

Valid September 2023





# Drought Outlook

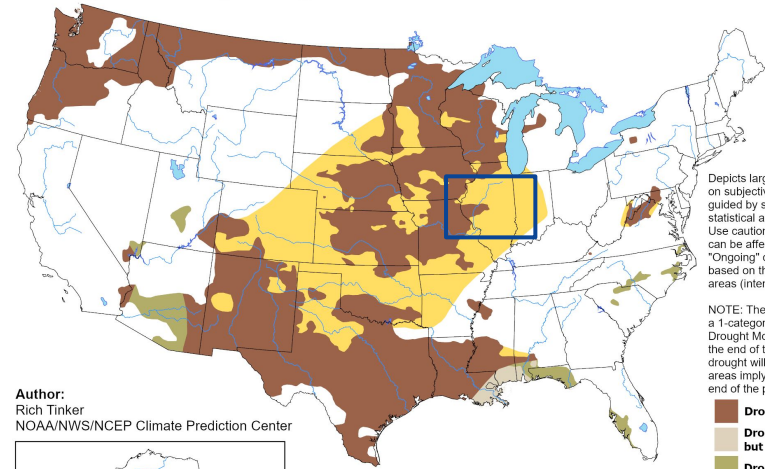
The latest monthly and seasonal outlooks can be found on the CPC homepage

- Drought conditions are likely to expand once again across central Illinois this month

## U.S. Monthly Drought Outlook

### Drought Tendency During the Valid Period

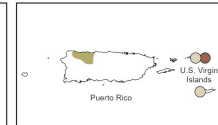
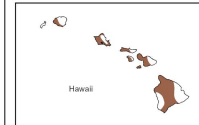
Valid for September 2023  
Released August 31, 2023



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:  
Rich Tinker  
NOAA/NWS/NCEP Climate Prediction Center



- Drought persists
- Drought remains, but improves
- Drought removal likely
- Drought development likely
- No drought



<https://go.usa.gov/3eZGd>

Image Caption:  
Climate Prediction Center Monthly Drought Outlook Released July 31, 2023 valid for August 2023

