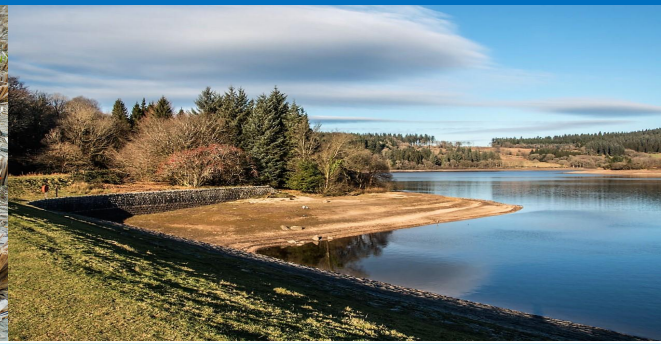
Drought Information Statement for Central and Southeast Illinois

Valid September 7, 2023

Issued By: WFO Lincoln, IL

Contact Information: 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.

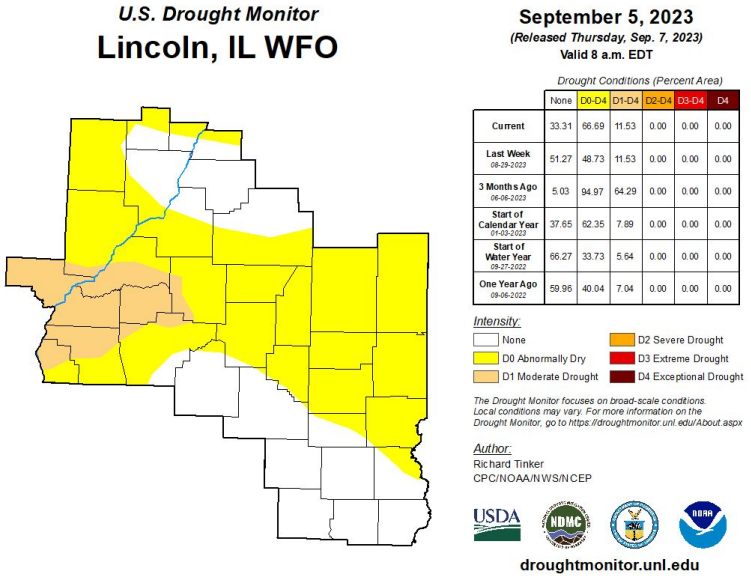


Image Caption: U.S. Drought Monitor valid 7 am CDT September 5th.

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.

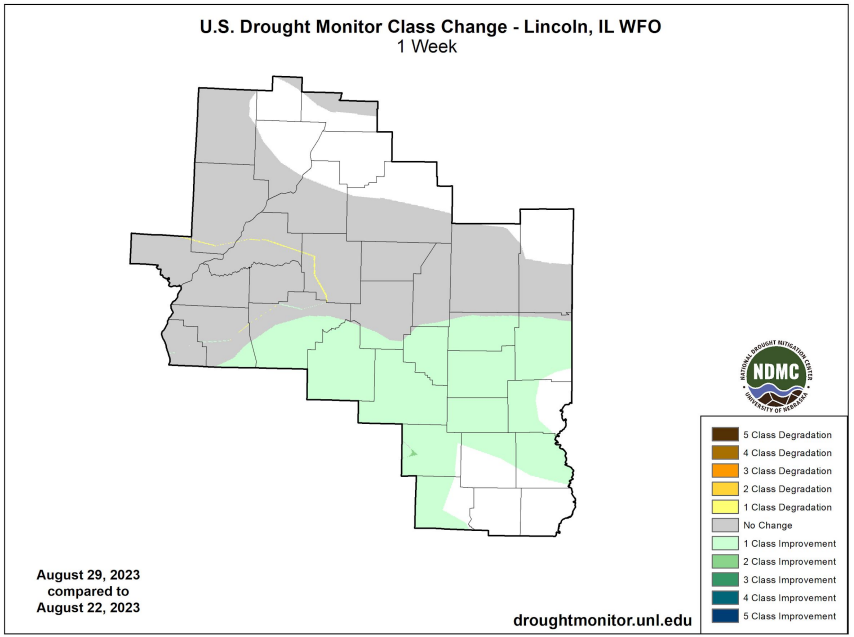


Image Caption: U.S. Drought Monitor 1-week change map valid 7 am CDT August 29th.

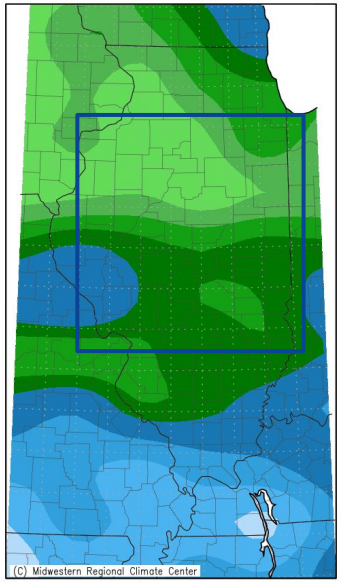
Precipitation

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.

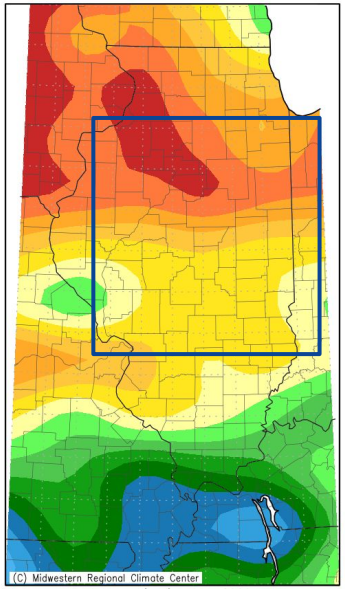
- The driest conditions are north of a Canton to Bloomington line, where rainfall is running 2 to 3 inches below normal during the past month.

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

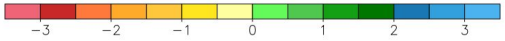


Illinois State Climatologist Office, www.isws.illinois.edu
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana–Champaign

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



Mean period is 1991–2020.



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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

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

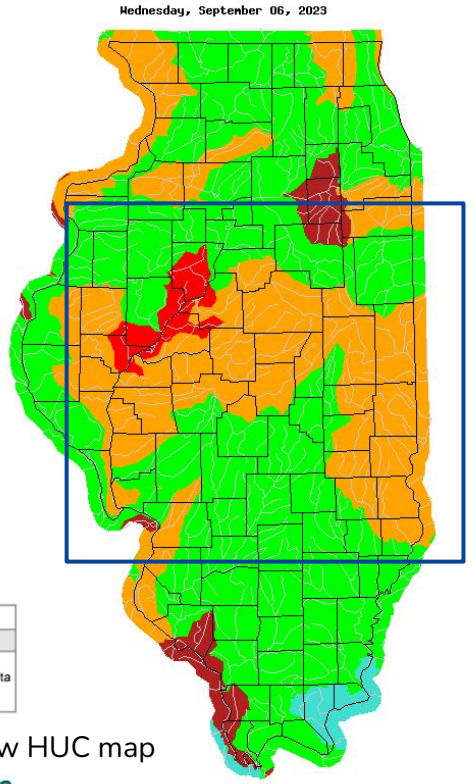
- There are no known impacts at this time

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.



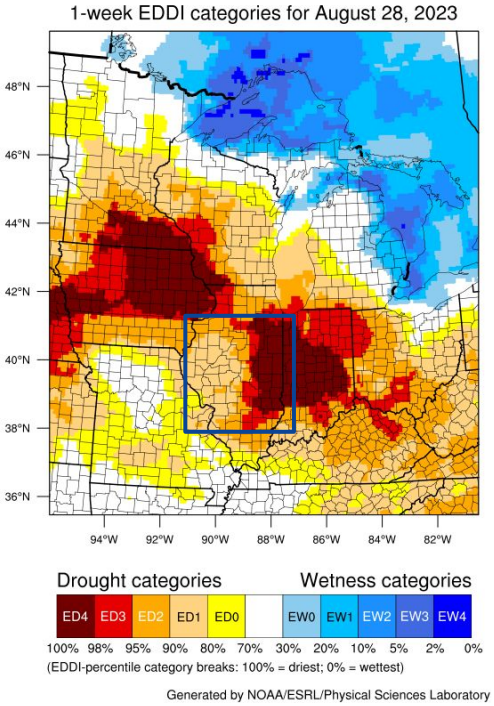
Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

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

USGS

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



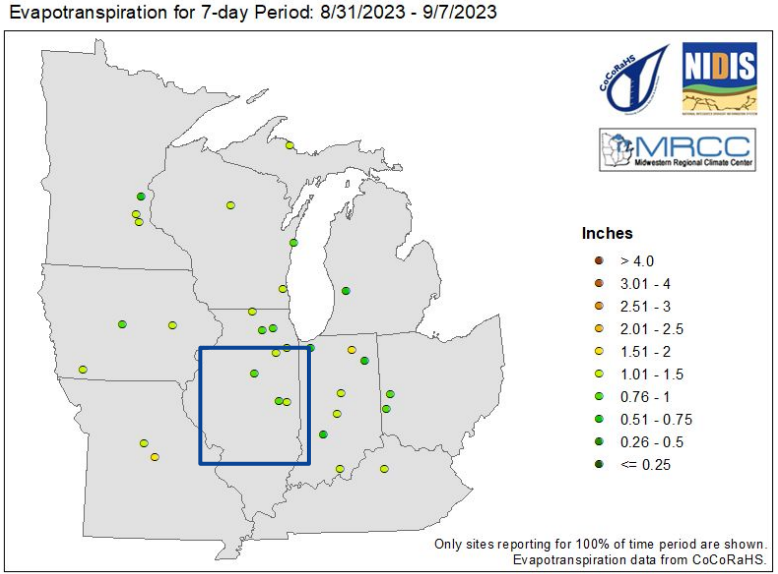


Image Captions:
Left: 1-week Evaporative Demand Drought Index valid August 28, 2023
Right: 7-day Evapotranspiration ending September 7, 2023

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

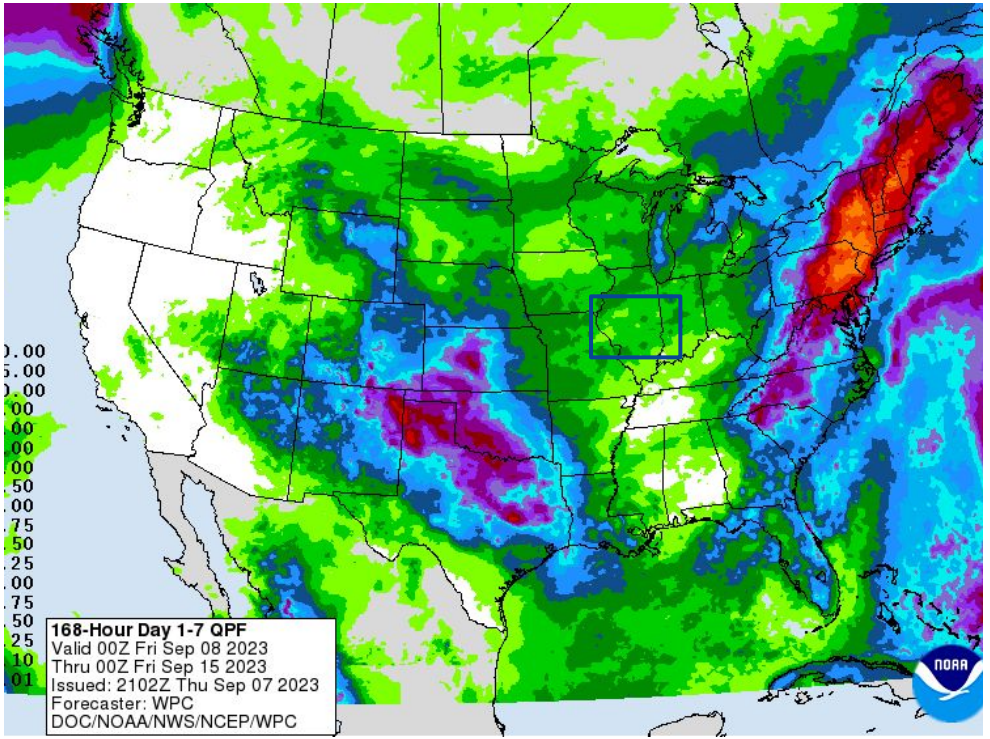
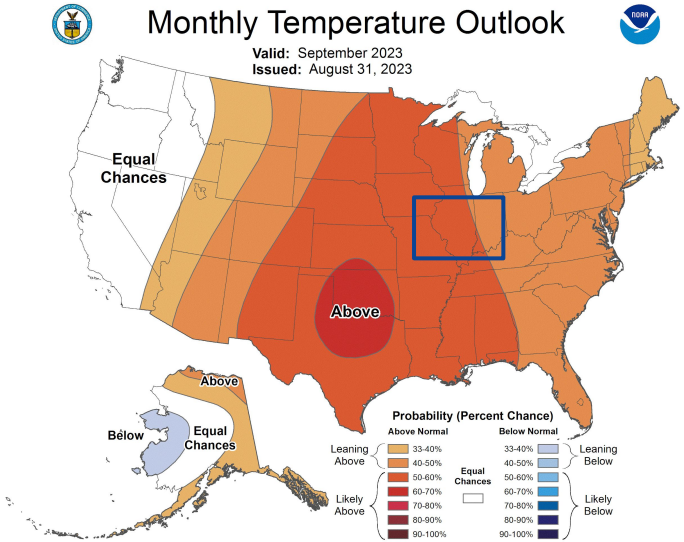


Image Caption: 7 day precipitation forecast

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



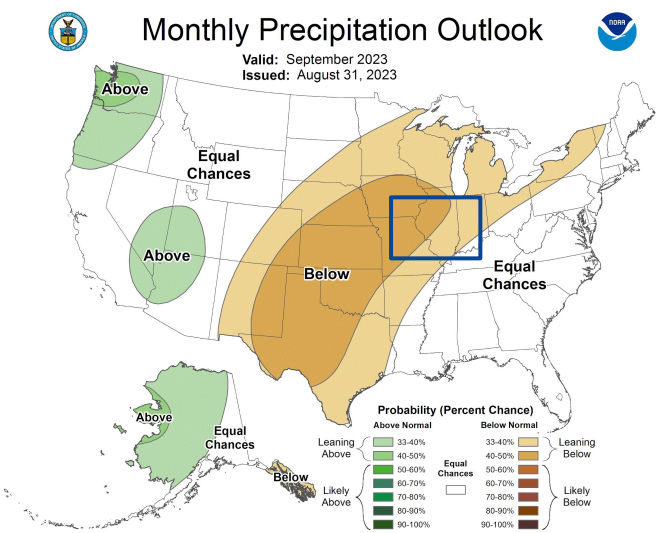


Image Captions:
Left - Climate Prediction Center Monthly Temperature Outlook.
Right - Climate Prediction Center Monthly Precipitation Outlook.
Valid September 2023

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

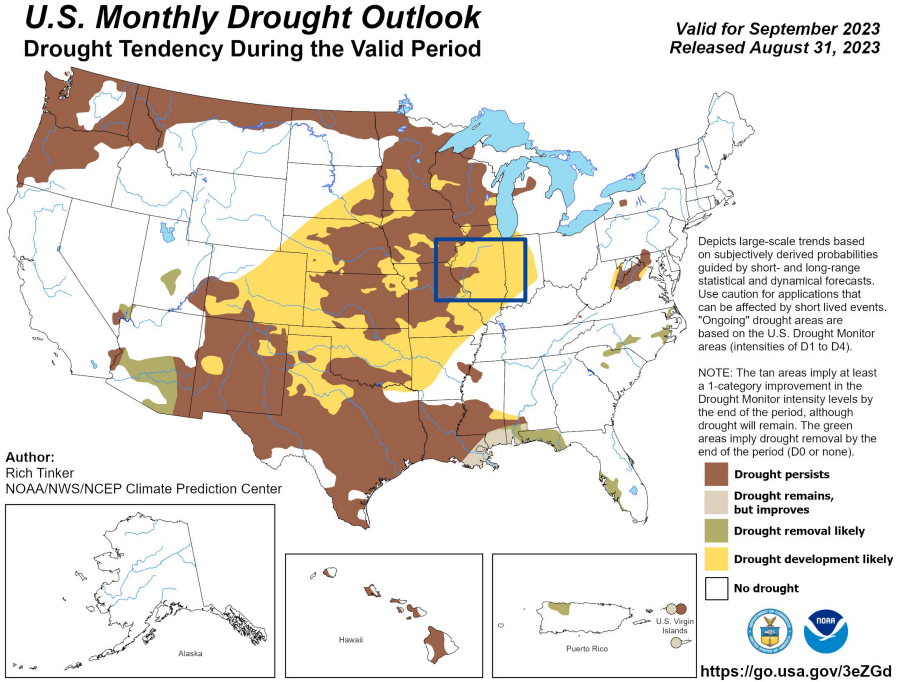


Image Caption:
Climate Prediction Center Monthly Drought Outlook Released July 31, 2023 valid for August 2023