



Drought Information Statement for Central and Southeast Illinois

Valid December 28, 2023

Issued By: WFO Lincoln, IL

Contact Information: nws.lincoln@noaa.gov

- This product will be updated by Jan. 26, 2024 or sooner if 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.



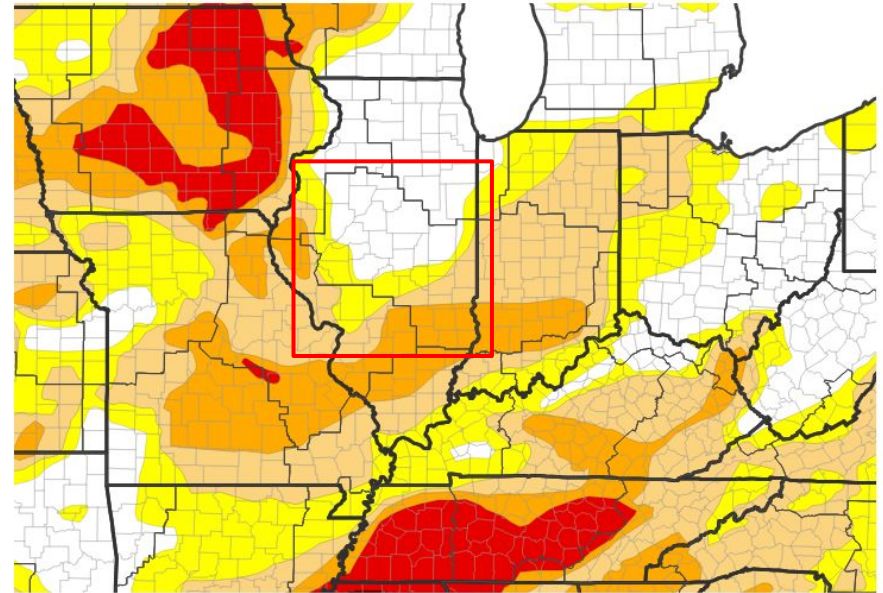


U.S. Drought Monitor

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

- Drought Intensity and Extent:
 - D2: (Severe Drought): Focused on south central and southeast Illinois, including Effingham, Jasper, Crawford, Clay, Richland, and Lawrence Counties. Portions of Cumberland and Clark Counties are included as well, along with western Schuyler County in west central Illinois.
 - D1 (Moderate Drought): Focused south of a Shelbyville to Danville line in east central Illinois including Shelby, Coles, Edgar, Cumberland, and Clark Counties. Portions of Schuyler and Scott Counties in west central Illinois are included as well.

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 12/26/23



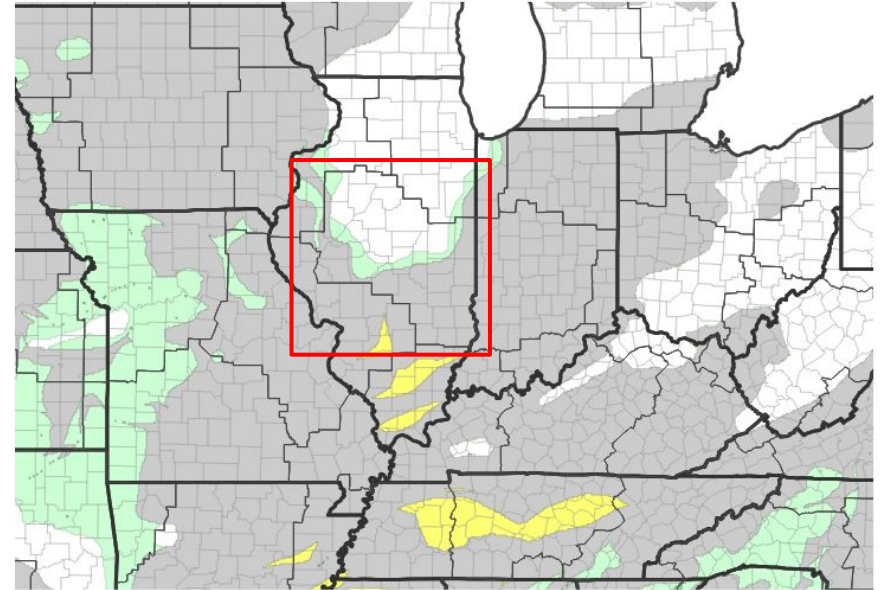


Recent Change in Drought Intensity

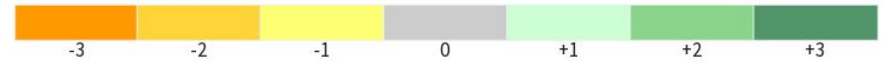
Link to the latest [1-week change map](#) for central and southeast Illinois

- One Week Drought Monitor Class Change.
 - Drought Worsened:
 - None
 - Drought Improved:
 - Portions of Knox, Fulton, Mason, Menard, Sangamon, Christian, Macon, Piatt, Douglas, Champaign, and Vermilion Counties
 - No Change: Much of central and southeast Illinois remained status quo.

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 12/26/23



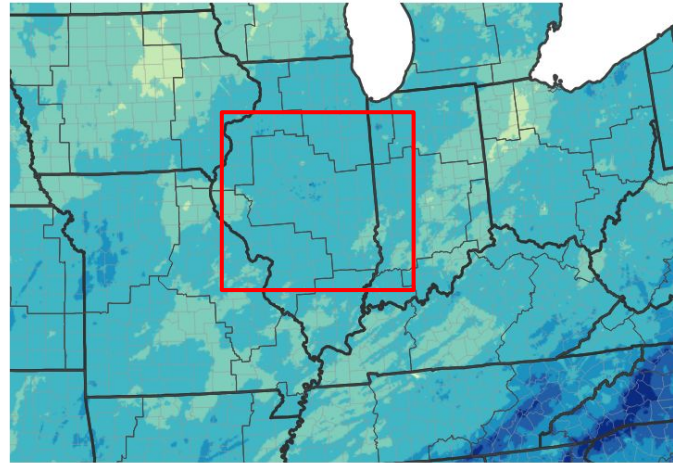


Precipitation

Last 30 days

- Rainfall over the last 30 days 50 to 75% of normal for southeast and east-central IL, but was near to as much as 150% of normal (50% above normal) for most of central IL.

30-Day Precipitation Accumulations (Inches)



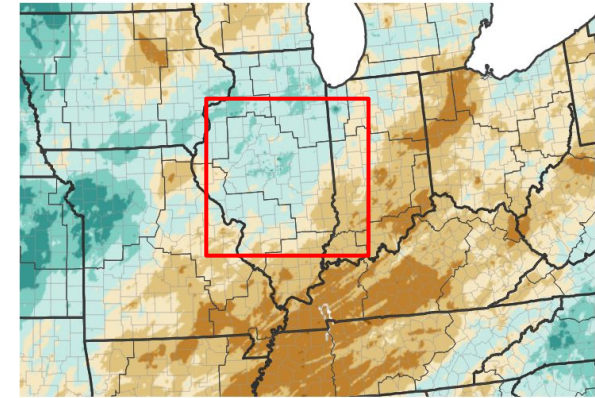
Inches of Precipitation



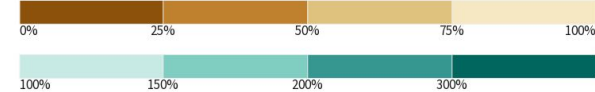
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 12/28/23

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 12/28/23

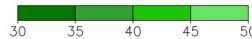
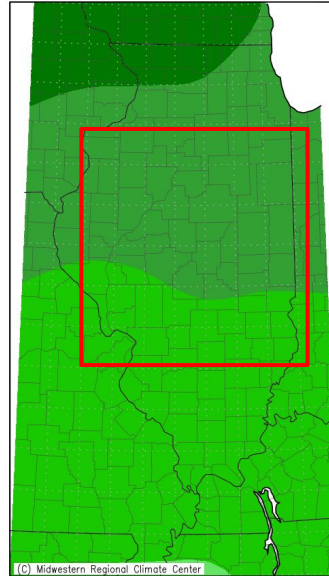




Temperature

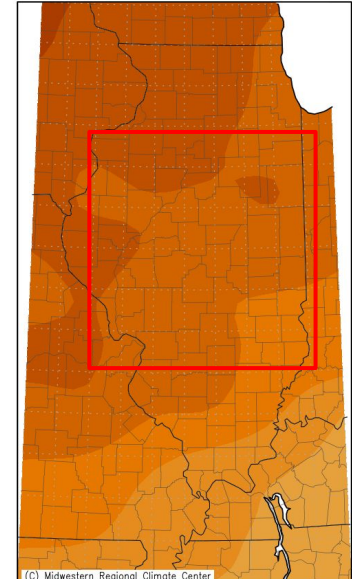
- Central Illinois will close the books on a record-warm December with much of the area 5-8 °F warmer than average.

Average Temperature (°F)
November 28, 2023 to December 27, 2023



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

Average Temperature (°F): Departure from Mean
November 28, 2023 to December 27, 2023



Mean period is 1991-2020.



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





Summary of Impacts

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

Hydrologic Impacts

- Low flows on area streams and rivers, as well as below normal reservoir levels on Lake Shelbyville

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

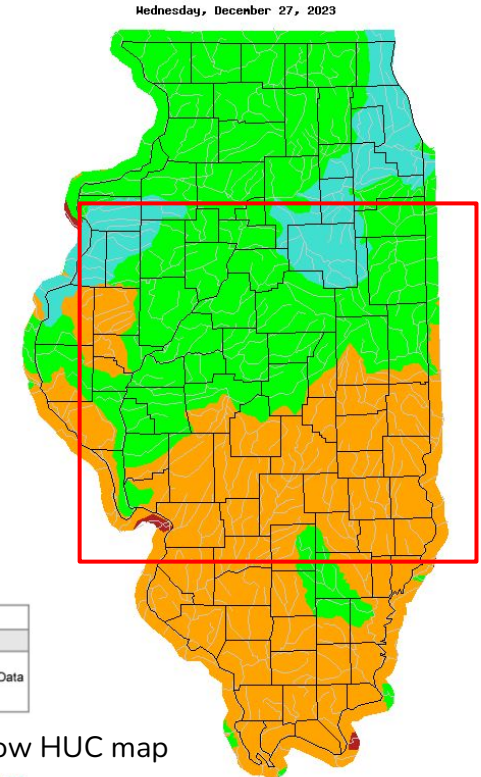
- None reported





Hydrologic Conditions and Impacts

- Streamflows are below 25th percentile in southeast and east central Illinois, as well as west central Illinois.
- Lake Shelbyville has slightly below normal water level (0.5 foot below normal), while other large water sources such as Lake Springfield and Lake Decatur have 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 December 27, 2023.

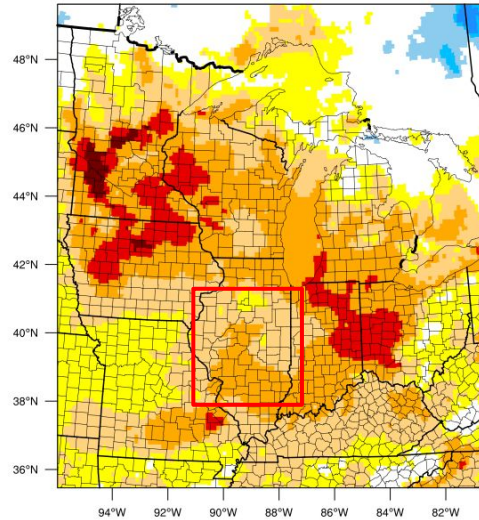




Agricultural Impacts

- Soil moisture at the 20 cm level is in the driest 80th to 95th percentile in the drought areas of central and southeast IL
- Agricultural impacts are not significant at this time, as crops are harvested or dormant at this time of year

1-week EDDI categories for December 23, 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: 12/20/2023 - 12/27/2023

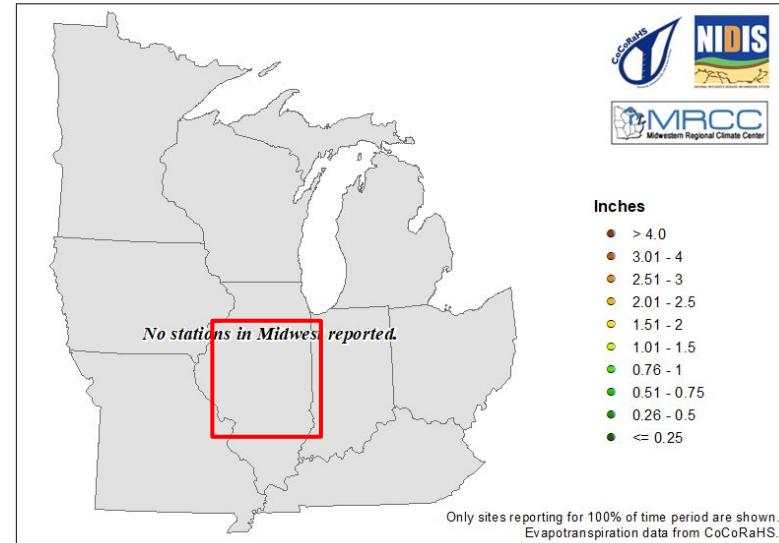


Image Captions:

Left: 1-week Evaporative Demand Drought Index valid December 23, 2023
 Right: 7-day Evapotranspiration ending December 27, 2023

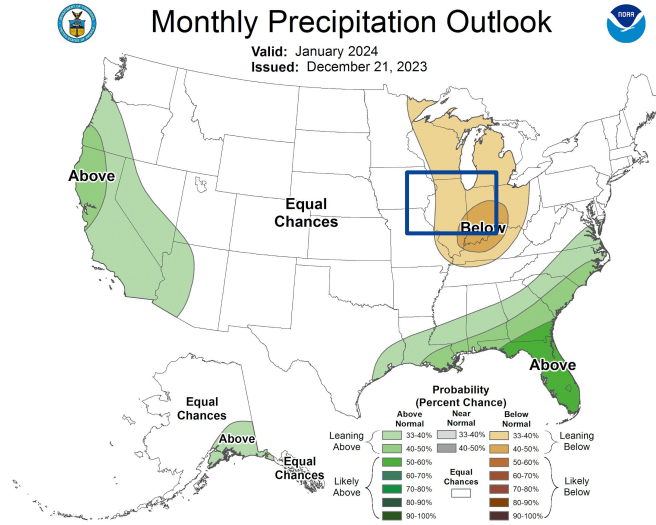




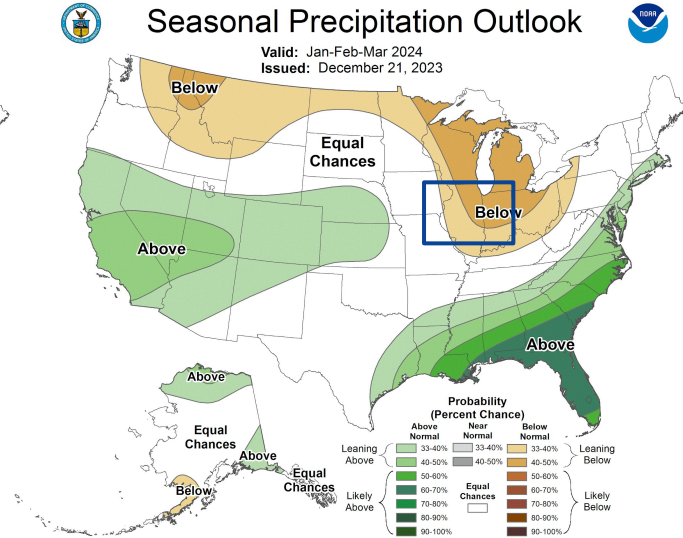
Long Range Outlooks

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

- The ongoing El Niño pattern favors higher odds of precipitation being below normal for January, as well as through the winter.



Monthly outlook (issued 3rd Thursday of month)



Seasonal outlook (issued 3rd Thursday of month)



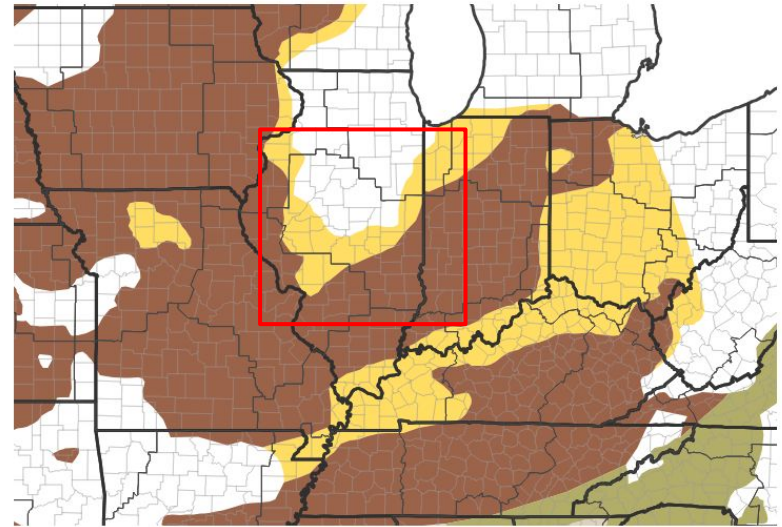


Drought Outlook

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

- Drought conditions are likely to persist or develop in much of southeast, east-central, and west-central IL much of the winter.

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Data Valid: 12/21/23

Image Caption:

Climate Prediction Center Seasonal Drought Outlook Released December 21, 2023 valid for December through February

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)

