



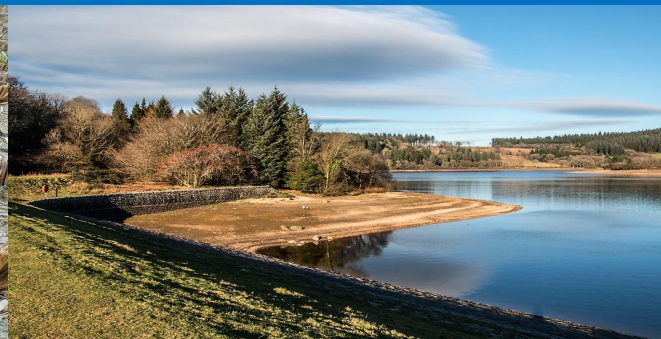
Drought Information Statement for central Indiana

Valid November 21, 2023

Issued By: NWS Indianapolis, IN

Contact Information: nws.indianapolis@noaa.gov

- This product will be updated December 18, 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/ind/DroughtInformationStatement> for previous statements.



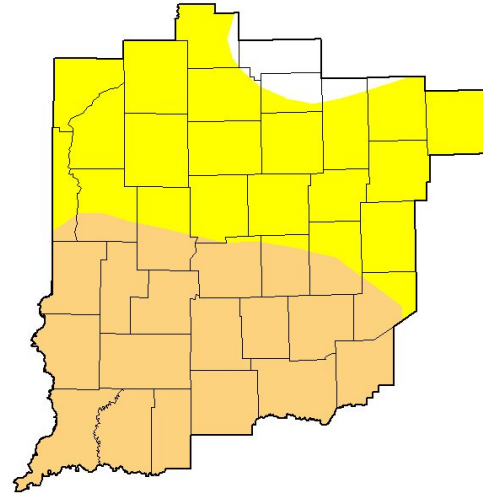


U.S. Drought Monitor

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

- MODERATE DROUGHT IN PLACE ACROSS SOUTHERN HALF OF CENTRAL INDIANA
- Drought intensity and Extent
 - D1 (Moderate Drought): Vermillion, Parke, Putnam, Morgan, Johnson, Shelby, Decatur, Vigo, Clay, Owen, Monroe, Brown, Bartholomew, Sullivan, Greene, Knox, Daviess, Martin, Lawrence, Jackson, Jennings
 - D0 (Abnormally Dry): Carroll, Warren, Tippecanoe, Clinton, Tipton, Madison, Delaware, Randolph, Fountain, Montgomery, Boone, Hamilton, Henry, Hendricks, Marion, Hancock, Rush

U.S. Drought Monitor Indianapolis, IN WFO



November 14, 2023
(Released Thursday, Nov. 16, 2023)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	4.01	95.99	47.35	0.00	0.00	0.00
Last Week 11-07-2023	9.23	90.77	46.84	0.00	0.00	0.00
3 Months Ago 08-15-2023	80.45	19.55	0.00	0.00	0.00	0.00
Start of Calendar Year 01-01-2023	0.07	99.93	84.69	0.47	0.00	0.00
Start of Water Year 09-26-2023	0.00	100.00	90.13	0.00	0.00	0.00
One Year Ago 11-15-2022	0.00	100.00	98.60	0.00	0.00	0.00

Intensity:



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:

Brad Rippey
U.S. Department of Agriculture



droughtmonitor.unl.edu

Image Caption: U.S. Drought Monitor valid 8am EDT November 16.





Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for central Indiana

- Four Week Drought Monitor Class Change
 - 1 class improvement over much of the northern half of central Indiana
 - Southern half of central Indiana unchanged

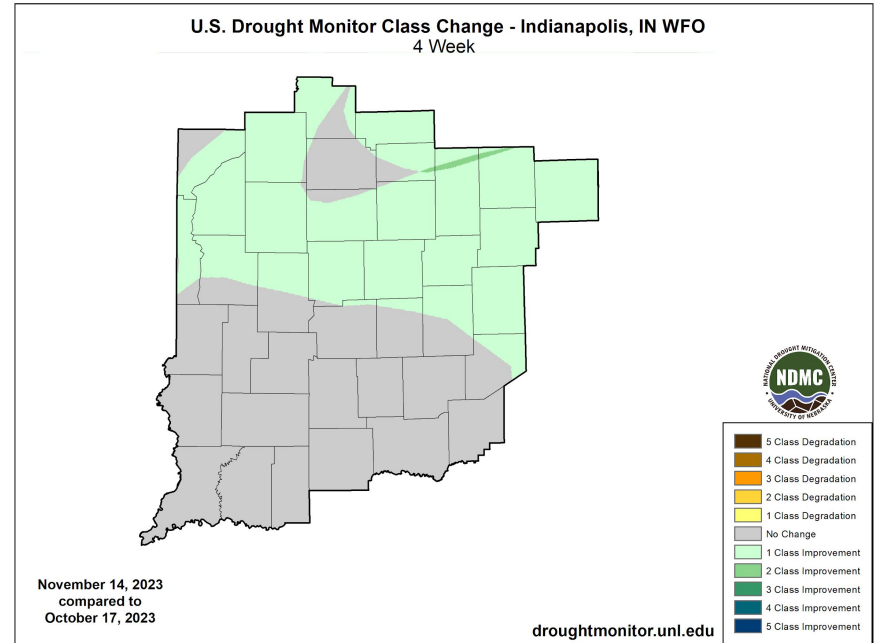


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT November 14.

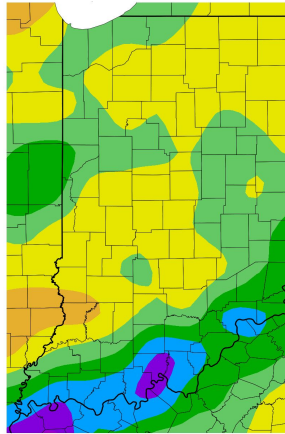




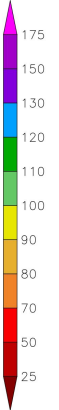
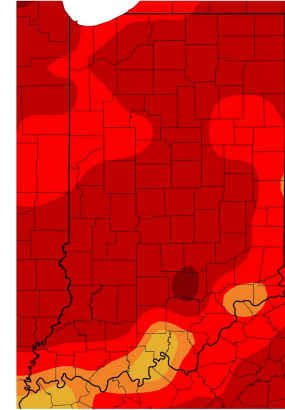
Precipitation

- For most of central Indiana, precipitation over the past 30 days has been 25-50% of normal
- Along the Ohio River, precipitation was more plentiful at 50 to 90% of normal

Precipitation (in)
10/22/2023 – 11/20/2023



Percent of Normal Precipitation (%)
10/22/2023 – 11/20/2023



Generated 11/21/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers 023 at HPRCC using provisional data.

NOAA Regional Climate Center

Image Captions:

Left - [Precipitation Amount for Indiana](#)

Right - [Percent of Normal Precipitation for Indiana](#)

Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending November 20, 2023

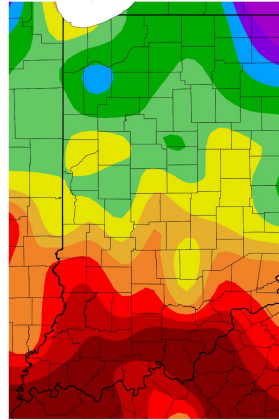




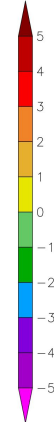
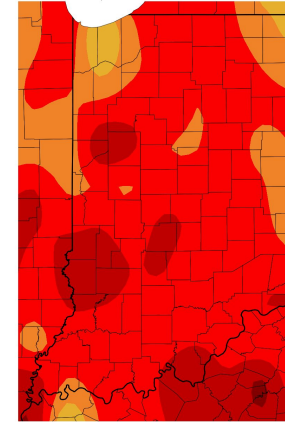
Temperature

- In most locations temperatures have run 3 to 4+ degrees above normal over the last 30 days

Temperature (F)
10/22/2023 – 11/20/2023



Departure from Normal Temperature (F)
10/22/2023 – 11/20/2023



Generated 11/21/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers 2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:

Left - [Average Temperature](#)

Right - [Departure from Normal Temperature](#)

Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending November 20, 2023





Summary of Impacts

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

Hydrologic Impacts

- Low flow on area rivers and streams
- Low pond and lake levels

Agricultural Impacts

- Low soil moisture, but limited impacts with harvest nearly complete

Fire Hazard Impacts

- 16 counties in southern Indiana with burn bans in place.
- Some field and brush fires reported across parts of central Indiana over the last 2 weeks

Other Impacts

- None reported

Mitigation Actions

- None reported





Hydrologic Conditions and Impacts

- Much below normal streamflow over a good portion of the East Fork White basin
- Below normal streamflow over the White and portions of the upper Wabash and upper Tippecanoe.

Monday, November 20, 2023

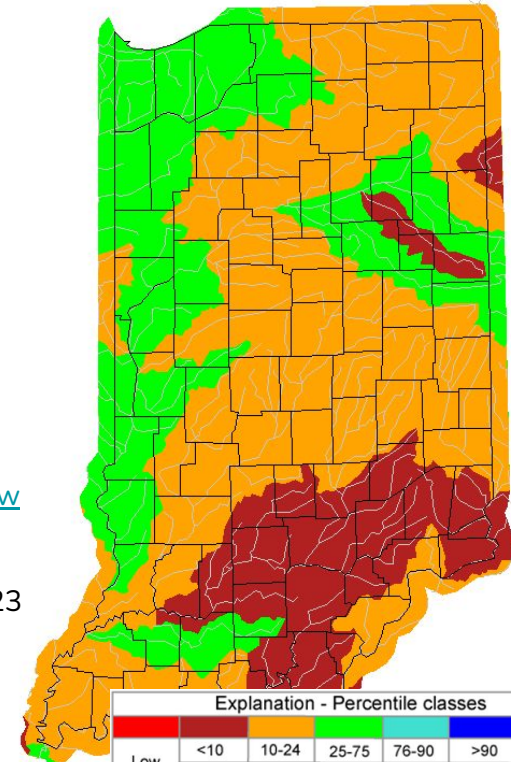


Image Caption:
[USGS 7 day average streamflow HUC map](#) for Indiana valid November 20, 2023

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





Agricultural Impacts

- Soil moisture is pretty dry, but harvest is nearing completion

[Link to Latest Indiana Crop Report](#)

Calculated Soil Moisture Ranking Percentile
NOV 20, 2023

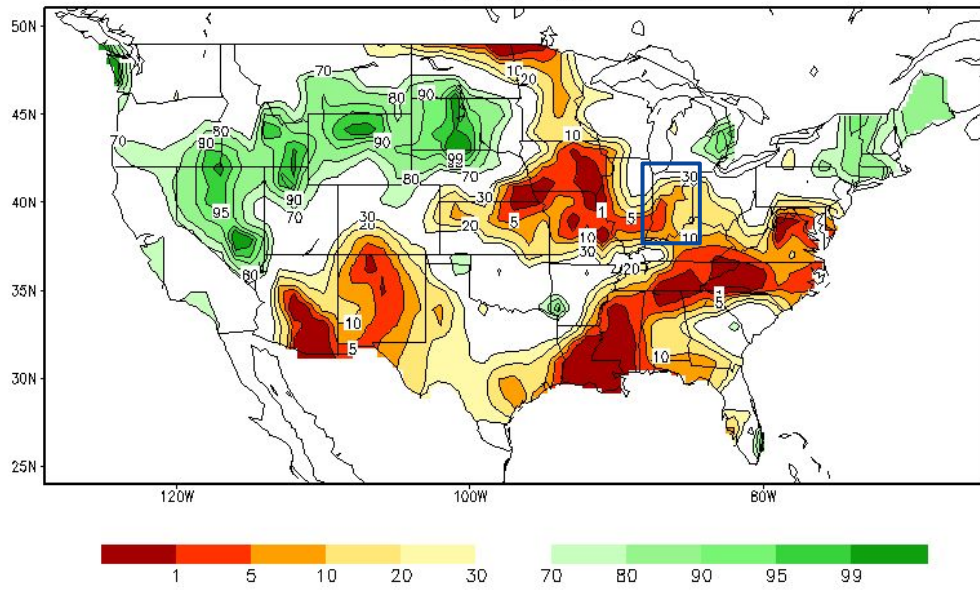


Image Caption: CPC Calculated [Soil Moisture Ranking Percentile](#) valid November 20, 2023



Seven Day Precipitation Forecast

- There is very little precipitation forecast through Tuesday November 28th.

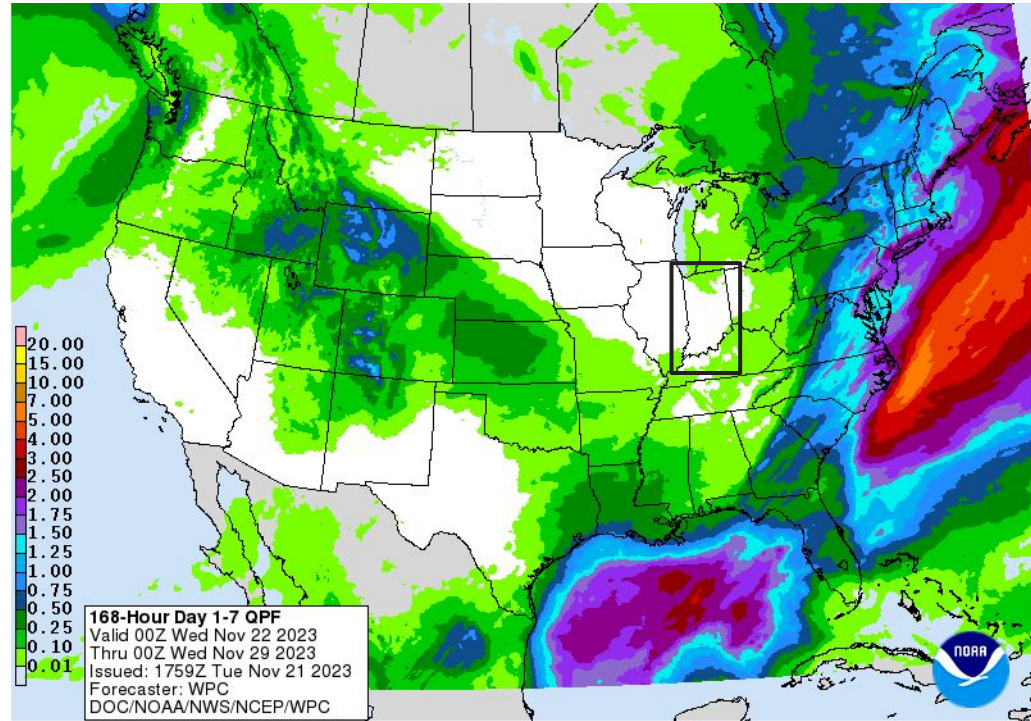


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Tue evening Nov 21 to Tue evening Nov 28.





Long-Range Outlooks

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

- December outlooks lean toward above normal temperatures and equal chances for all outcomes for precipitation

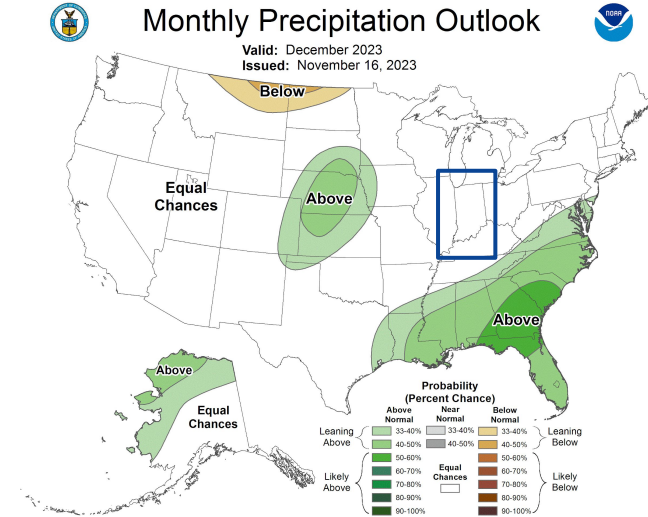
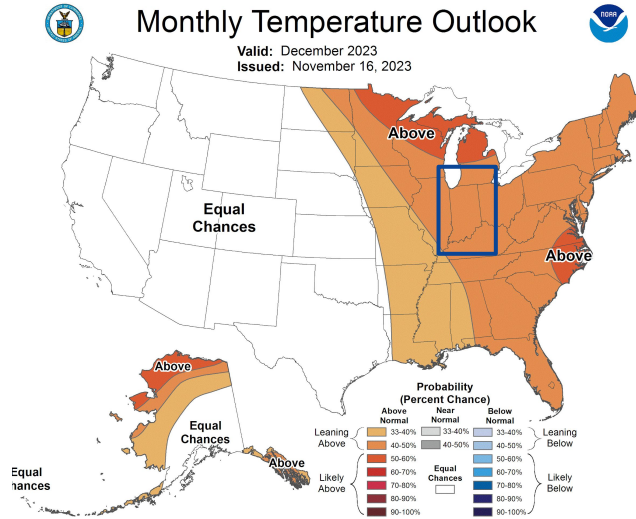


Image Captions:

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

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

Valid December 2023



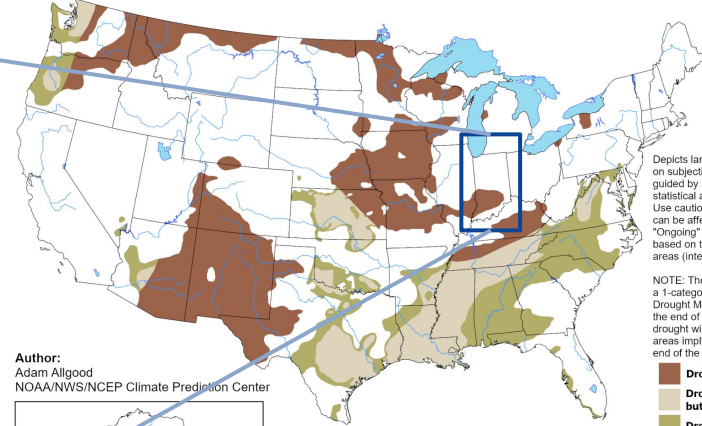
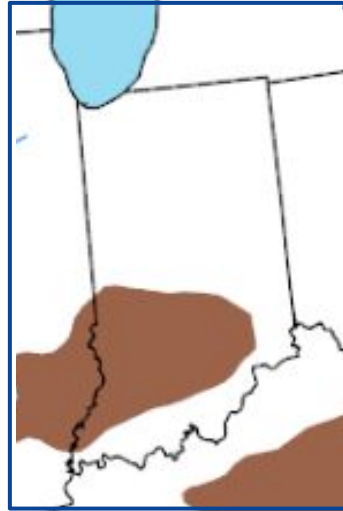


Drought Outlook

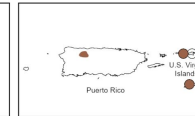
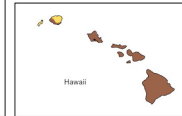
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- Drought is expected to persist over southern Indiana over the next three months

U.S. Seasonal Drought Outlook Valid for November 16, 2023 - February 29, 2024 Drought Tendency During the Valid Period Released November 16, 2023



Author:
Adam Allgood
NOAA/NWS/NCEP Climate Prediction Center



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).

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



<https://go.usa.gov/3eZ73>

Links to the latest:

- [Climate Prediction Center Monthly Drought Outlook](#)
- [Climate Prediction Center Seasonal Drought Outlook](#)

Image Caption:

Climate Prediction Center Seasonal Drought Outlook Released November 16, 2023 valid for November 16, 2023-February 29, 2024



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

National Weather Service
Indianapolis, IN