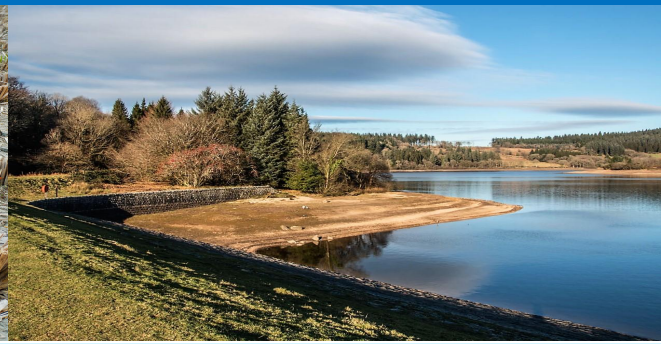
Drought Information Statement for Northern IN, Southern MI, Northwest OH

Valid October 5, 2023

Issued By: NWS Northern Indiana

Contact Information: nws.northernindiana@noaa.gov 574-834-1104

- This product will be updated November 2nd 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/iwx/DroughtInformationStatement for previous statements.

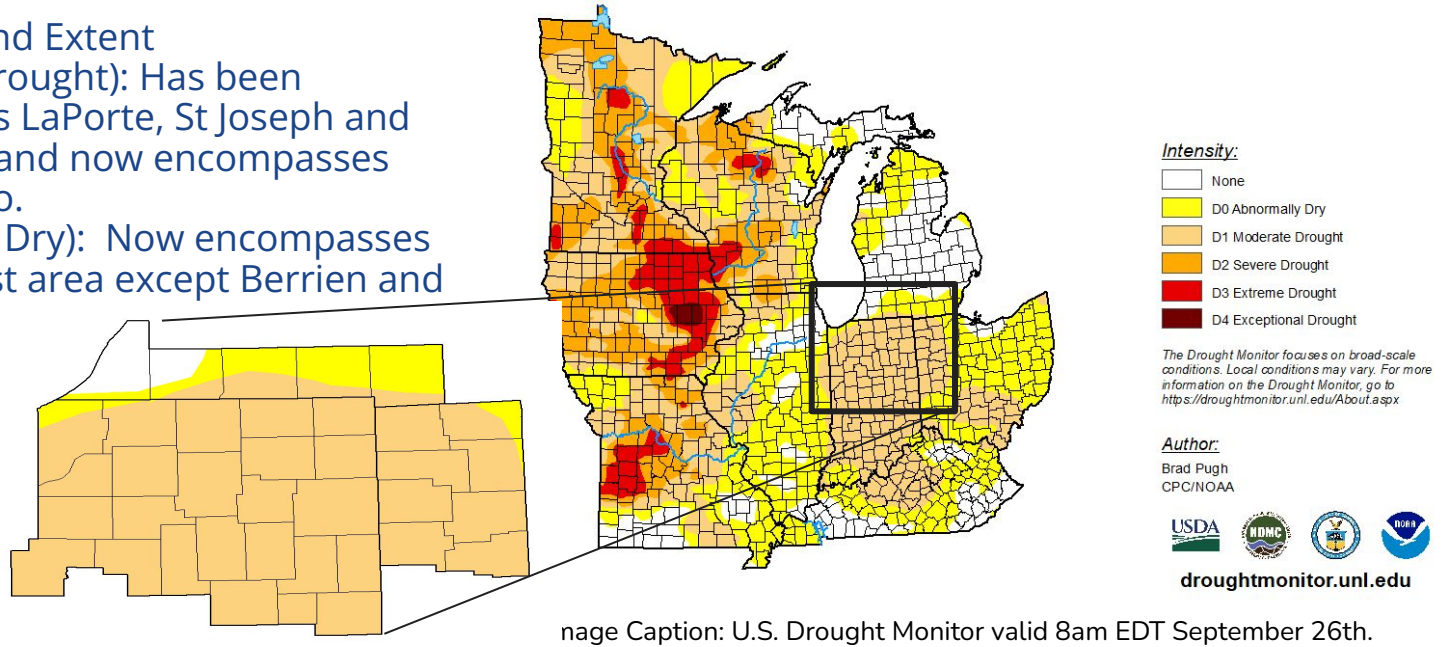


U.S. Drought Monitor

Link to the latest U.S. Drought Monitor for northern Indiana, southern Michigan, and northwest Ohio

- **Abnormally Dry and Moderate Drought Conditions Present**

- Drought intensity and Extent
  - D1 (Moderate Drought): Has been expanded across LaPorte, St Joseph and Starke counties and now encompasses most of NW Ohio.
  - D0: (Abnormally Dry): Now encompasses all of the forecast area except Berrien and Cass, MI.



nage Caption: U.S. Drought Monitor valid 8am EDT September 26th. NWS Northern Indiana Forecast area (left). Midwest region (right).

Recent Change in Drought Intensity

Link to the latest 4-week change map for northern Indiana, southern Michigan, and northwest Ohio

- Four Week Drought Monitor Class Change.
  - Drought Worsened: Over nearly all of northwest Ohio, northern Indiana, and far southern Michigan.

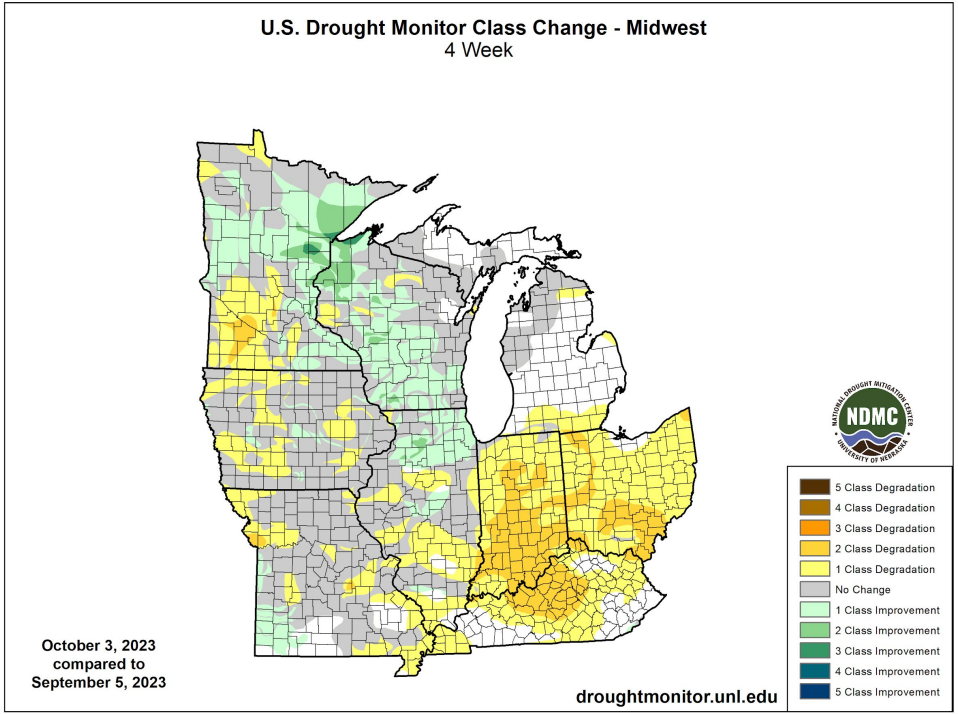
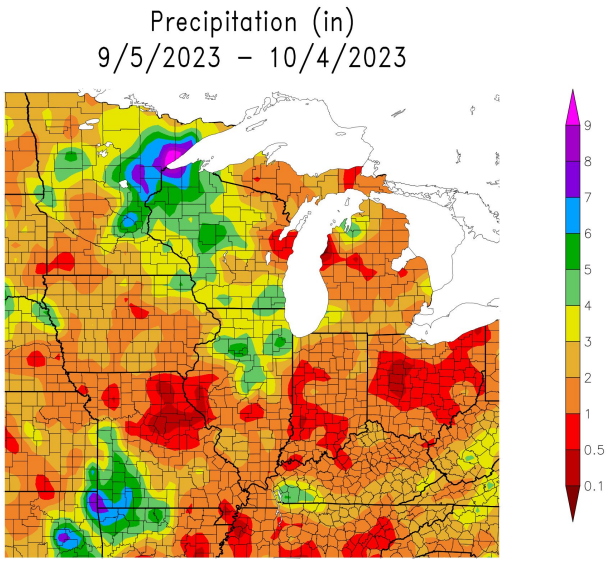


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT September 26th.

Precipitation

- 30-day precipitation totals through October 4th indicated much of the area east of I-69 and south of US-30 observed less than 50% of normal precipitation.
- A rapid deterioration of vegetation continues



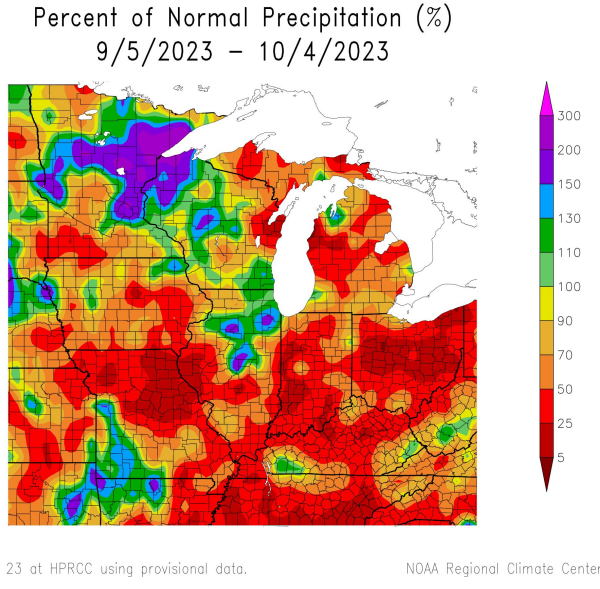
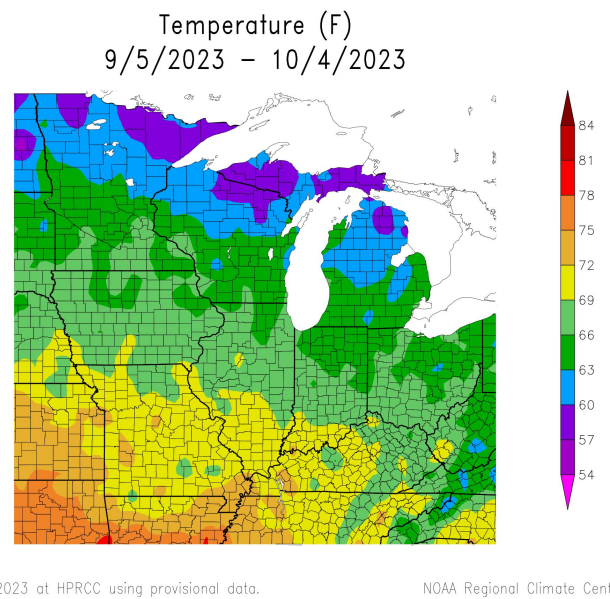


Image Captions:
Left: 30-day Precipitation Amount for the Midwest
Right: 30-day Percent of Normal Precipitation for the Midwest
Data Courtesy High Plains Regional Climate Center.

Temperature

- Temperatures leaned normal to above normal for the 30-day period ending September 13th.
- Temperatures likely played a role in the latest drought conditions with warmth and dryness likely evaporating further soil moisture.



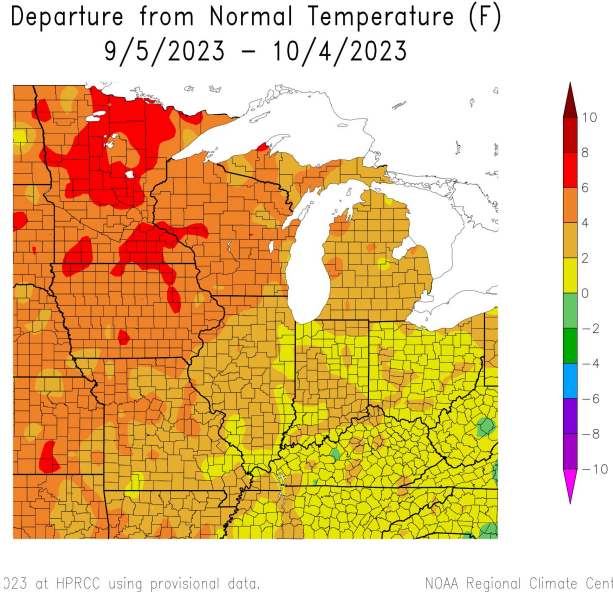


Image Captions:
Left: 30-day Average Temperature
Right: 30-day Departure from Normal Temperature
Data Courtesy High Plains Regional Climate Center.

Summary of Impacts

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

Hydrologic Impacts

- Pond and creek levels are very low

Agricultural Impacts

- Very dry and cracked soil
- Plants are dormant

Fire Hazard Impacts

- Concern of field fires among harvest operations

Other Impacts

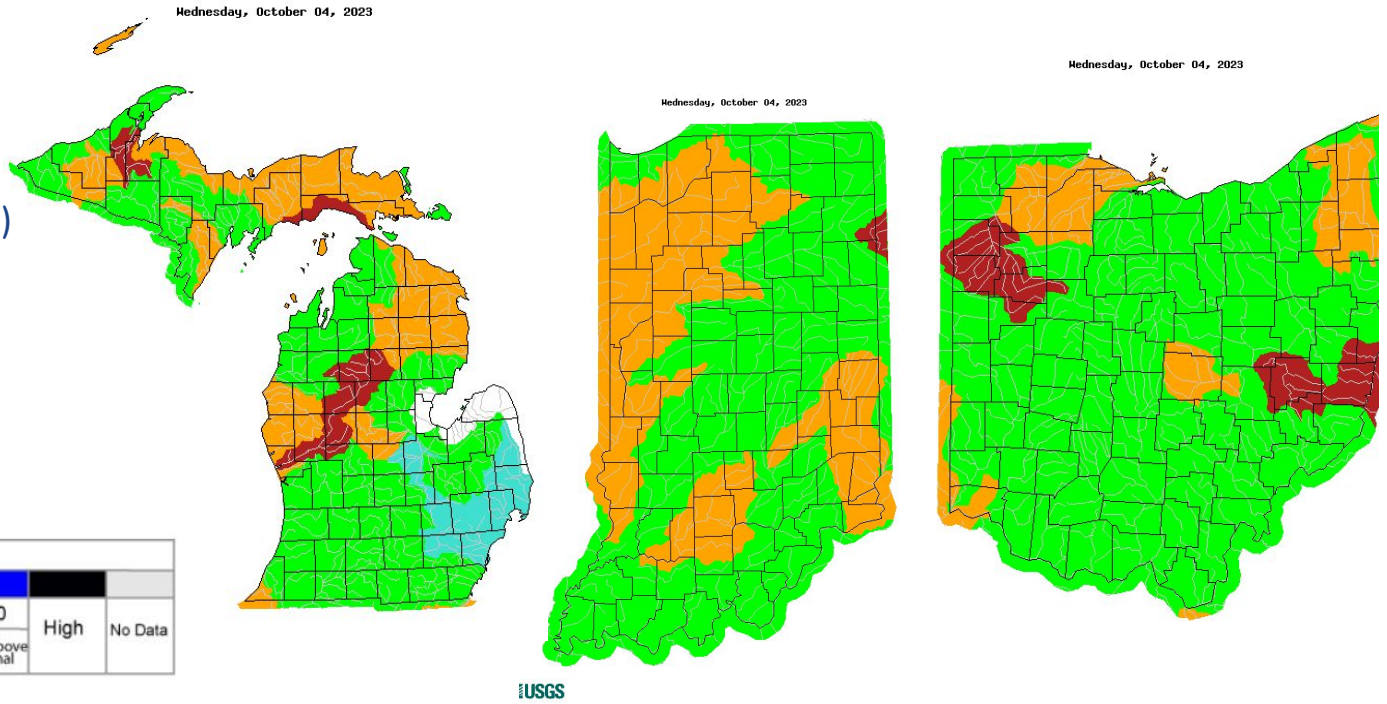
- There are no other known impacts at this time

Mitigation Actions

- None reported

Hydrologic Conditions and Impacts

- Some river basins are reporting below-normal streamflow:
  - Kankakee
  - Upper Maumee
  - St. Joseph River (MI)
  - Upper Wabash



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 09/27/2023

Seven Day Precipitation Forecast

- Beneficial rain has not fallen across the area since 9/28
- Rain surpassing 1 inch is most likely west of I-69 today into the weekend.
- Some moderation in the drought may be occur with the expanded cloud cover and chances for rain into the weekend.
- A variable forecast in the 6 to 10 day range may bring a few more chances for rain and average temperatures around normal

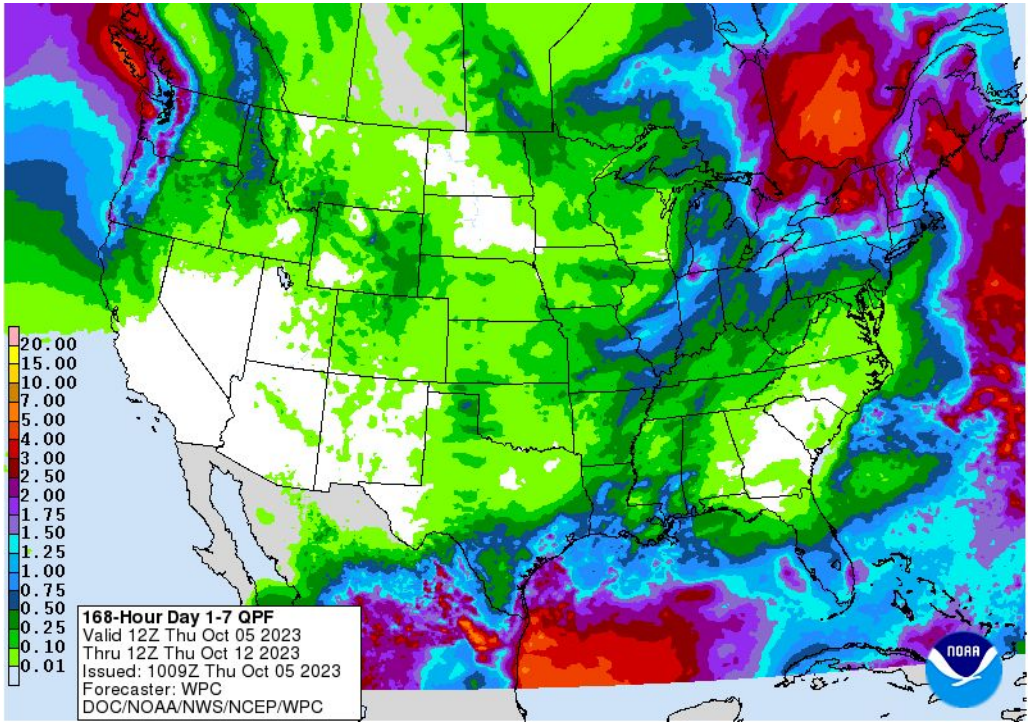
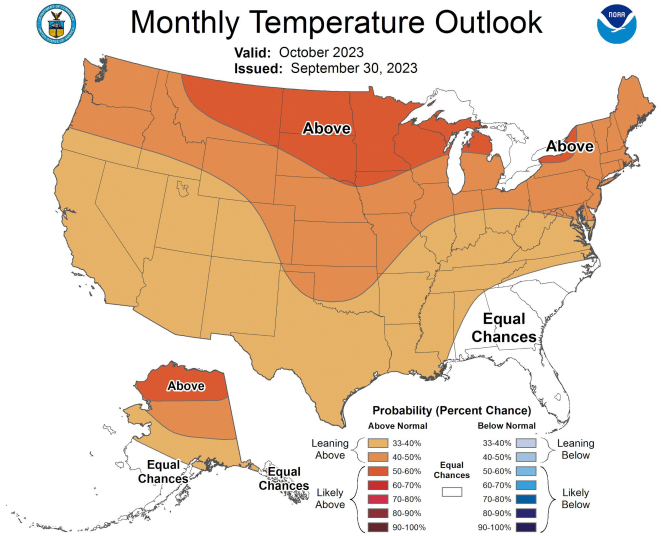


Image Caption: Weather Prediction Center 7-day precipitation forecast valid October 5 to October 12.

Long-Range Outlooks

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

- The forecast for the month of October favors above normal temperatures and below normal precipitation.
- This forecast is mainly driven by long-term climate trends as well as model guidance
- This outlook will be updated again on October 31st



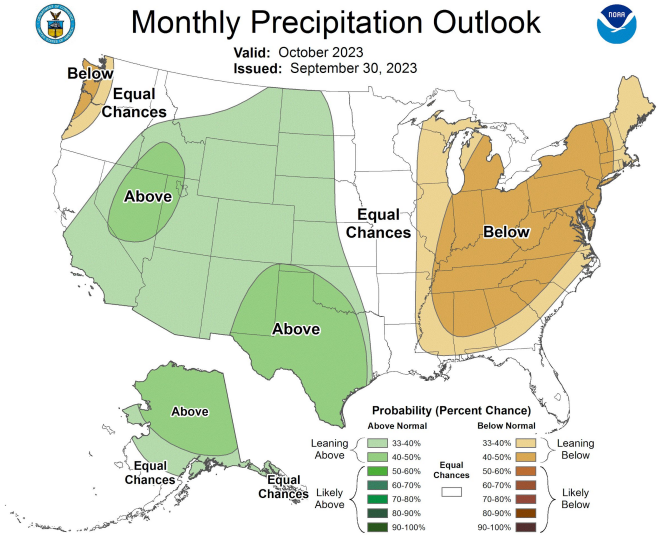
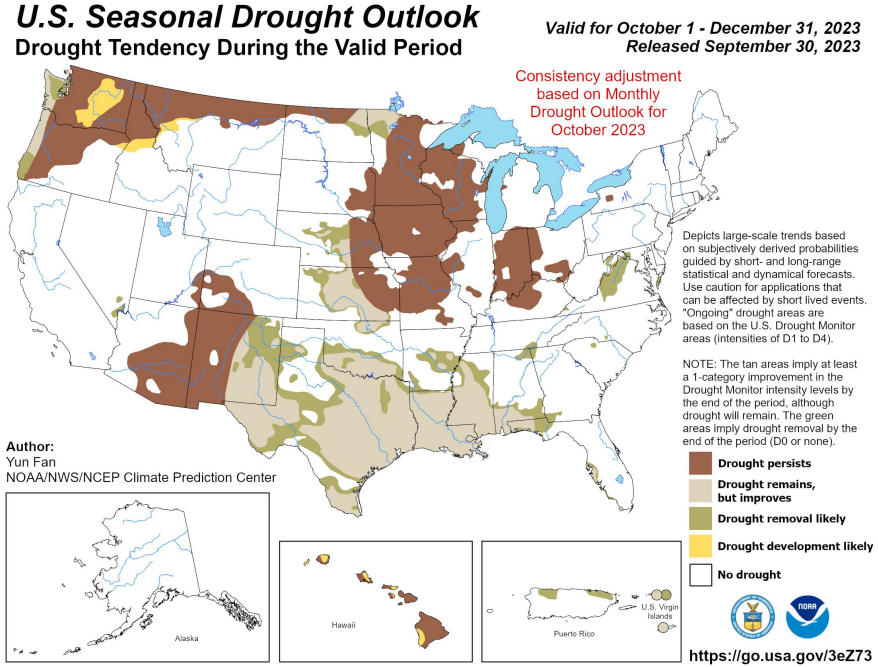


Image Captions:
Left - Climate Prediction Center Monthly Temperature Outlook.
Right - Climate Prediction Center Monthly Precipitation Outlook.
Valid October 2023

Drought Outlook

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

- Issued on September 30th, this drought outlook through December suggests that drought conditions will persist through the fall and into the start of winter.



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 September 21st, 2023 valid through December 2023