



Drought Information Statement for Northeast Kansas

Valid October 6, 2023

Issued By: NWS Topeka

Contact Information: nws.topeka@noaa.gov

- This product will be updated November 8, 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/top/DroughtInformationStatement> for previous statements.



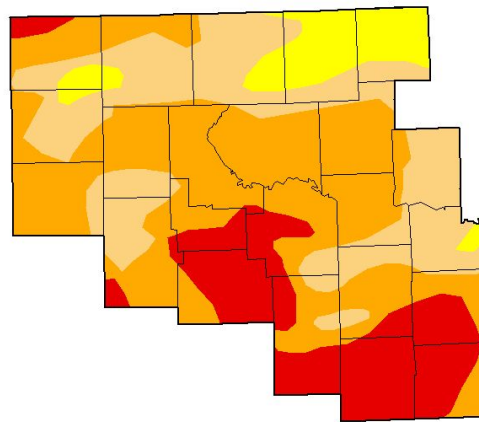


U.S. Drought Monitor

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

- Drought continues across much of the area due to below normal summer and early autumn rainfall
- Drought intensity and Extent
 - D3 (Extreme Drought): Anderson, Coffey, Dickinson, Franklin, Geary, Lyon, Morris, Osage, Republic, Riley, and Wabaunsee Counties
 - D2 (Severe Drought): Clay, Cloud, Jackson, Jefferson, Marshall, Ottawa, Pottawatomie, Shawnee, and Washington Counties
 - D1 (Moderate Drought): Brown, Douglas, and Nemaha Counties

U.S. Drought Monitor Topeka, KS WFO



October 3, 2023

(Released Thursday, Oct. 5, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	91.60	63.17	19.88	0.00
Last Week 09-26-2023	4.02	95.98	85.95	51.65	19.88	0.00
3 Months Ago 07-04-2023	0.00	100.00	82.19	21.58	3.46	0.00
Start of Calendar Year 01-01-2023	0.00	100.00	45.20	3.70	0.02	0.00
Start of Water Year 09-26-2022	4.02	95.98	85.95	51.65	19.88	0.00
One Year Ago 10-04-2022	0.25	99.75	47.00	7.52	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

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CPC/NOAA



droughtmonitor.unl.edu

Image Caption: U.S. Drought Monitor valid 8 am EDT October 5.



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Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change:
 - Spotty rainfall has resulted in some areas of degradation and some areas of improvement.

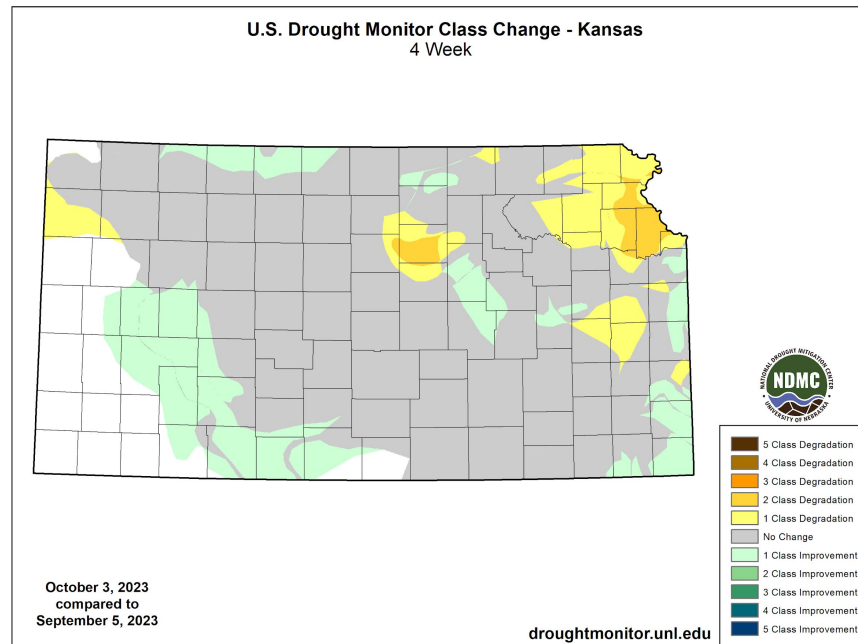


Image Caption: U.S. Drought Monitor 4-week change map valid
8 am EDT October 5.

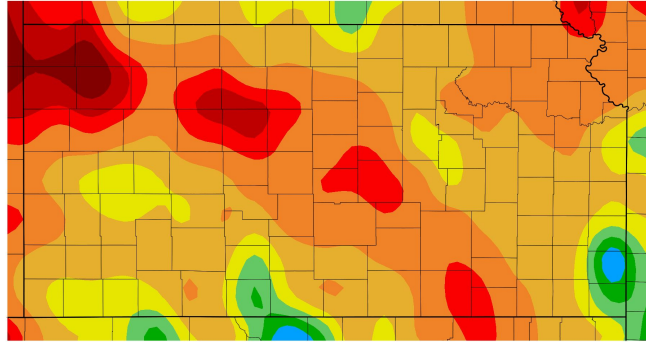




Precipitation

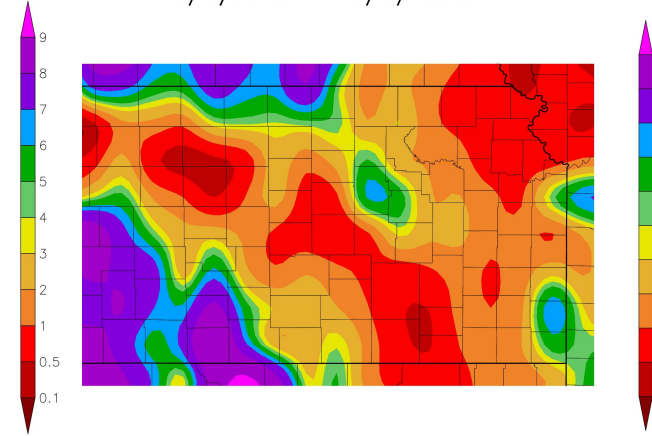
- Below normal precipitation has been the rule again in September, especially in the northeast corner of Kansas.

Precipitation (in)
9/6/2023 – 10/5/2023



Generated 10/6/2023 at HPRCC using provisional data.

Percent of Normal Precipitation (%)
9/6/2023 – 10/5/2023



NOAA Regional Climate Centers 23 at HPRCC using provisional data.

NOAA Regional Climate Center

Image Captions:

Left - Precipitation Amount for Kansas

Right - Percent of Normal Precipitation for Kansas
Data Courtesy High Plains Regional Climate Center
Data over the past 30 days ending October 5, 2023

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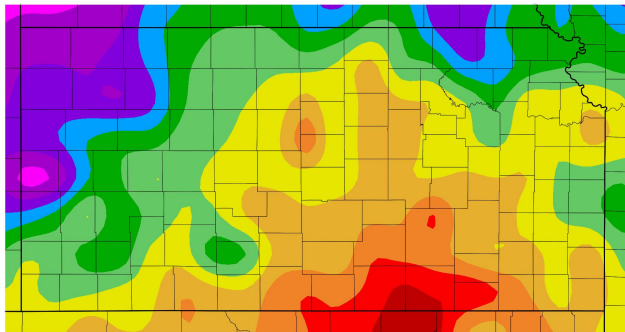
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Temperature

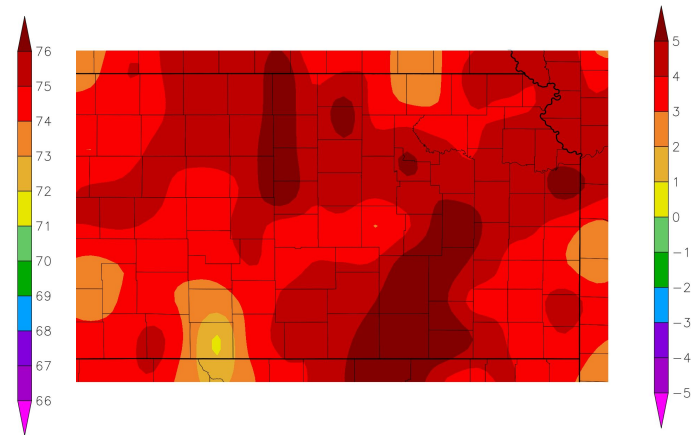
- Temperatures have been much above normal in recent weeks.
- Record-breaking heat occurred in late September.

Temperature (F)
9/6/2023 – 10/5/2023



Generated 10/6/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)
9/6/2023 – 10/5/2023



NOAA Regional Climate Centers 023 at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:

Left - Average Temperature for Kansas

Right - Departure from Normal Temperature for Kansas

Data Courtesy High Plains Regional Climate Center

Data over the past 30 days ending October 5, 2023

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Summary of Impacts

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

Hydrologic Impacts

- River gauges across the area indicated flows from near normal to near record lowest levels. The elevation of area reservoirs range from within one foot to four feet below conservation pool levels.

Soil Moisture Impacts

- The Climate Prediction Center reports soil moisture deficits from around two inches to around four inches. The Kansas Agricultural Statistics Service reports topsoil moisture as 33 percent very short and 39 percent short across the state.

Agricultural Impacts

- The Kansas Agricultural Statistics Service reports, for the entire state, the corn condition as 15 percent very poor and 18 percent poor, the soybean condition as 20 percent very poor and 30 percent poor, and the sorghum condition as 11 percent very poor and 19 percent poor. Pasture and range conditions were rated as 23 percent very poor and 28 percent poor.

Mitigation Actions

- None known





Hydrologic Conditions and Impacts

- River gages across the area indicated flows from near normal to near record lowest levels.
- The elevation of area reservoirs range from within one foot to four feet below conservation pool levels.

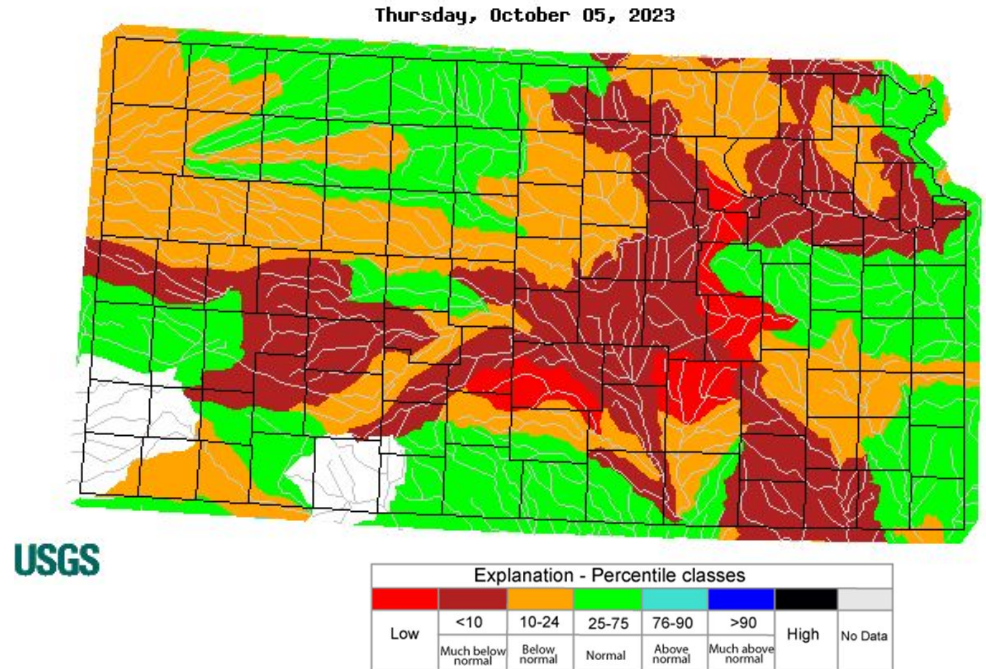


Image Caption: USGS 7-day average streamflow HUC map valid October 5, 2023



Agricultural Impacts

- The Climate Prediction Center reports soil moisture deficits from around two inches to around four inches. The Kansas Agricultural Statistics Service reports topsoil moisture as 33 percent very short and 39 percent short across the state.
- The Kansas Agricultural Statistics Service reports, for the entire state, the corn condition as 15 percent very poor and 18 percent poor, the soybean condition as poor, and the sorghum condition as 11 percent very poor and 19 percent poor. Pasture and range conditions were rated as 23 percent very poor and 28 percent poor.

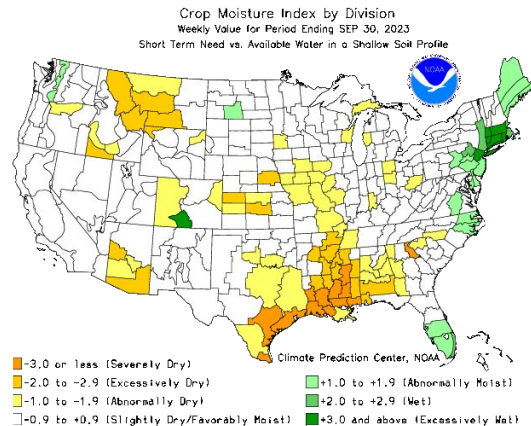
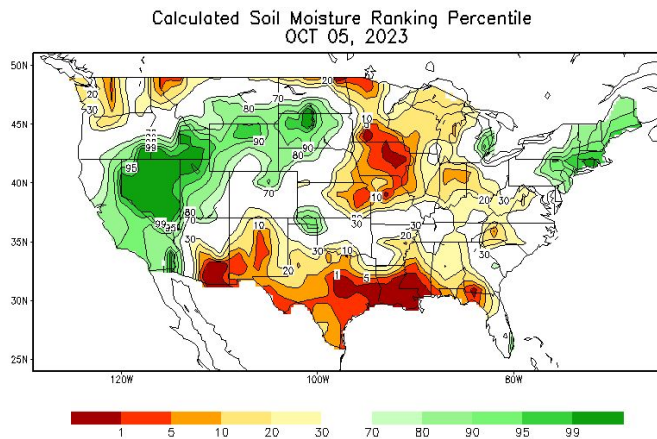


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid October 5, 2023
Top: [Crop Moisture Index by Division](#).
Weekly value for period ending
September 30, 2023





Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#).

- No significant impacts to wildfire potential yet, but percent green has been reduced to an estimated 40% across the region.

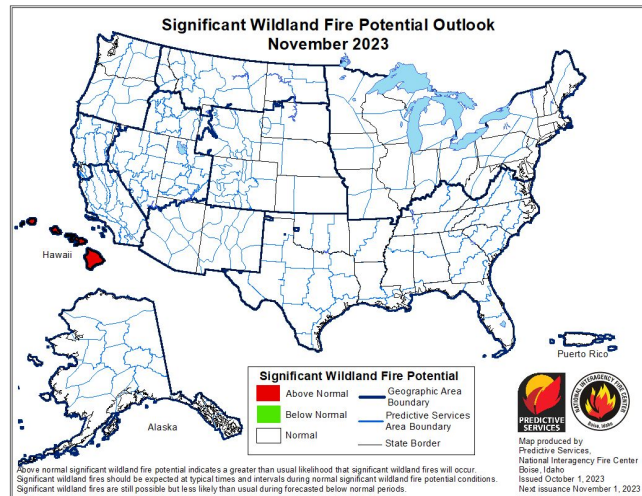
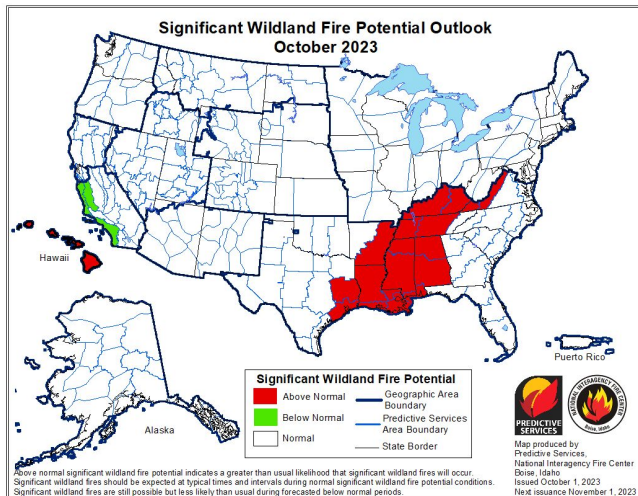


Image Captions:

[Significant Wildland Fire Potential Monthly Outlook](#) for October and November 2023, issued October 1, 2023.



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Seven Day Precipitation Forecast

- Precipitation through October 13 is expected to range from 0.75 inches to 2 inches.
- Normal precipitation for this time of year (over a one week period) is around two-thirds of an inch, so this predicted rainfall would be near to above normal.

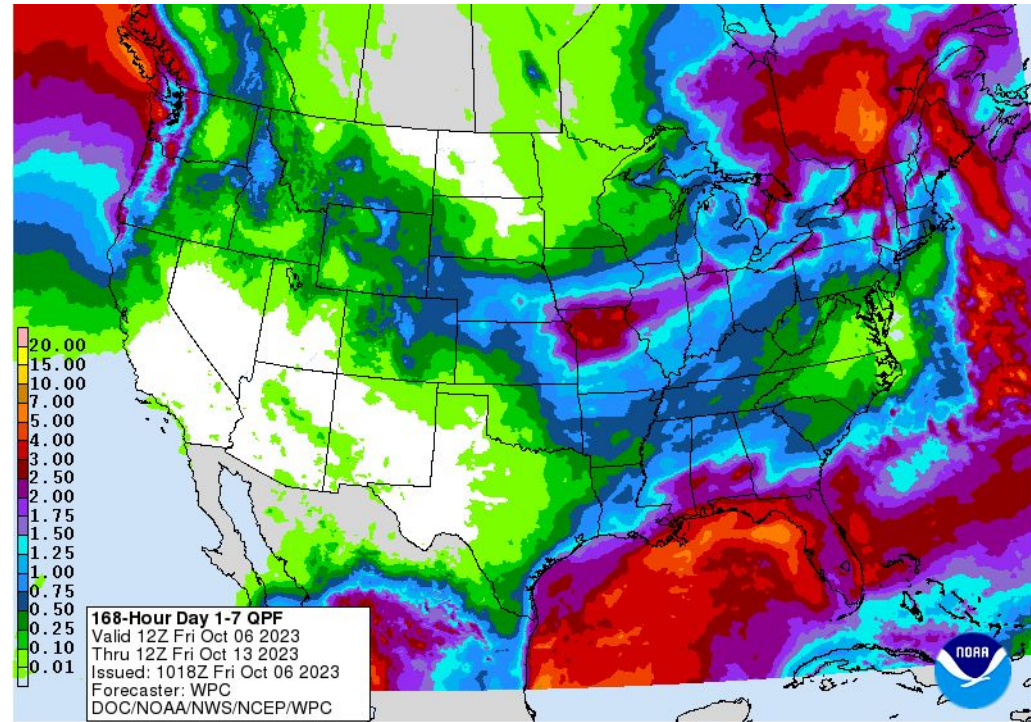


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Friday, October 6 to Friday, October 13





Rapid Onset Drought Outlook

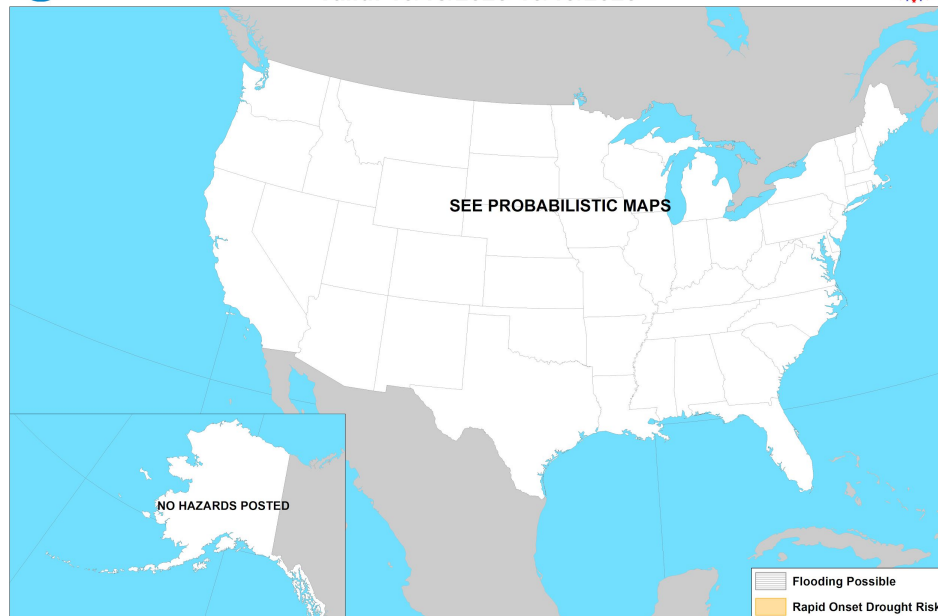
Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- No significant hazards are anticipated during the mid-October period



Day 8-14 U.S. Hazards Outlook

Valid: 10/13/2023-10/19/2023



Climate Prediction Center

Made: 10/05/2023 3PM EDT

Follow us: [f](#) [t](#)

www.cpc.ncep.noaa.gov

Image Caption:

[Days 8 to 14 U.S. Hazards Outlook](#) Valid October 13 through 19.



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Long-Range Outlooks

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

- There is a greater than equal chance for above normal temperatures for October.
- There are equal chances for above, below, and near normal for October.

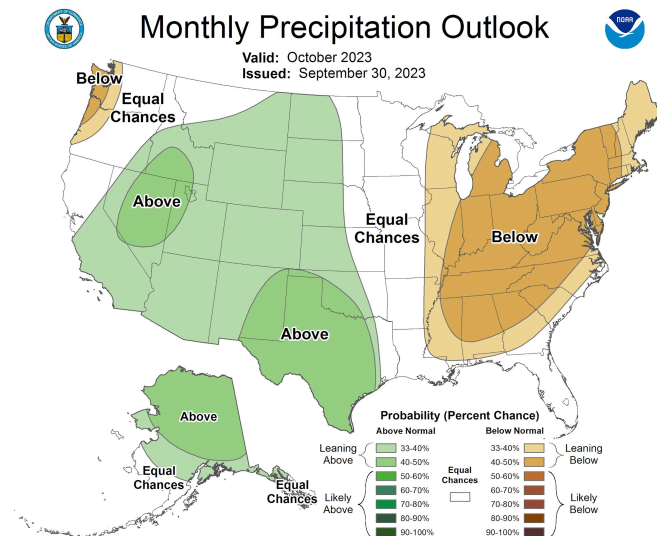
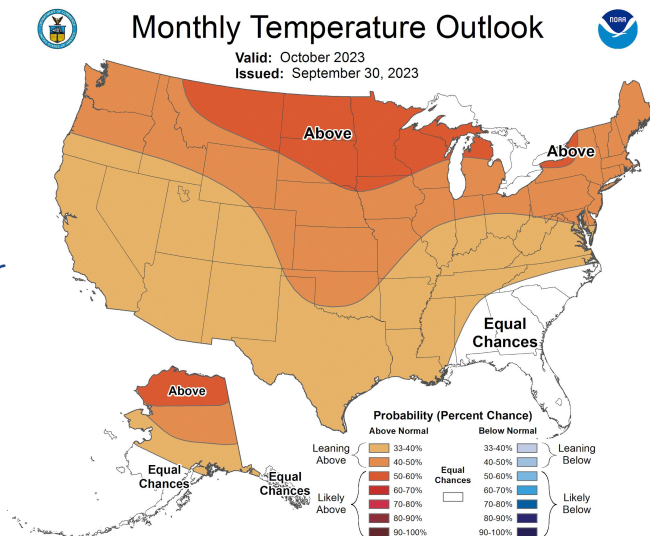


Image Captions:

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

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

Issued September 30, 2023, valid for the month of October 2023.



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Drought Outlook

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

- Drought conditions are expected to continue or perhaps improve in October.

U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for October 2023
Released September 30, 2023

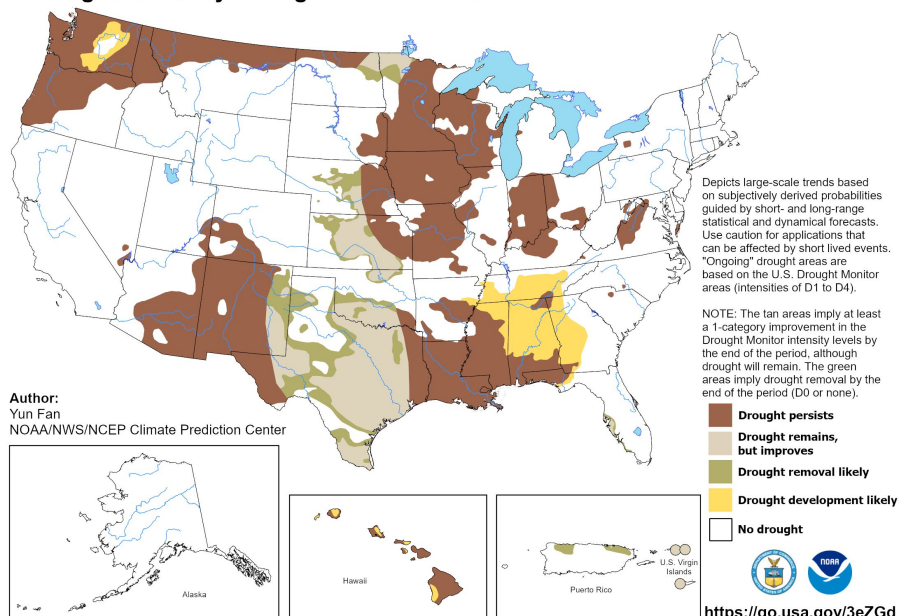


Image Caption:

Climate Prediction Center Monthly Drought Outlook Released September 30, 2023; valid for October 2023.



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