



Drought Information Statement for Eastern OK & Northwestern AR

Valid December 6, 2024

Issued By: WFO Tulsa, OK

Contact Information: sr-tsa.webmaster@noaa.gov

- This product will be updated when Extreme (D3) Drought returns to the area.
 - Please see all currently available products at <https://drought.gov/drought-information-statements>.
 - Please visit <https://www.weather.gov/tsa/DroughtInformationStatement> for previous statements.
 - Please visit https://www.drought.gov/drought-status-updates/?dews_region=132&state=All for regional drought status updates.
-
- Significant improvement in drought conditions occurred since November 1, 2024 due to several rounds of heavy rain.
 - Abnormally Dry (D0) to Severe (D2) Drought conditions remained across a portion of eastern Oklahoma and northwestern Arkansas.
 - This will be the final Drought Information Statement until Extreme (D3) Drought conditions return to the area.





U.S. Drought Monitor

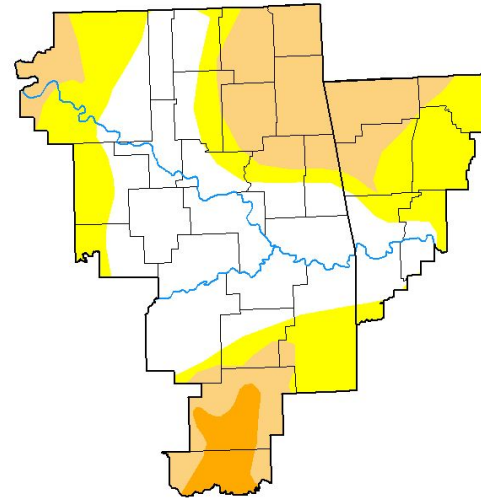
Link to the [latest U.S. Drought Monitor](#) for the southern U.S.

• Drought intensity and Extent

- **D2 (Severe Drought)**: portions of Choctaw and Pushmataha Counties in eastern OK
- **D1 (Moderate Drought)**: portions of Osage, Pawnee, Ottawa, Craig, Rogers, Mayes, Delaware, Adair, Cherokee, Le Flore, Latimer, Pittsburg, Pushmataha, and Choctaw Counties in eastern OK, and Washington, Benton, and Carroll Counties in northwest AR
- **D0: (Abnormally Dry)**: parts of Osage, Pawnee, Creek, Okfuskee, Craig, Nowata, Rogers, Mayes, Wagoner, Cherokee, Adair, Pittsburg, Latimer, and Le Flore Counties in eastern OK and Washington, Carroll, Madison, Crawford, Sebastian, and Franklin Counties in northwestern AR

U.S. Drought Monitor
Tulsa, OK WFO

December 3, 2024
(Released Thursday, Dec. 5, 2024)
Valid 7 a.m. EST



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme 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>

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Western Regional Climate Center



droughtmonitor.unl.edu



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

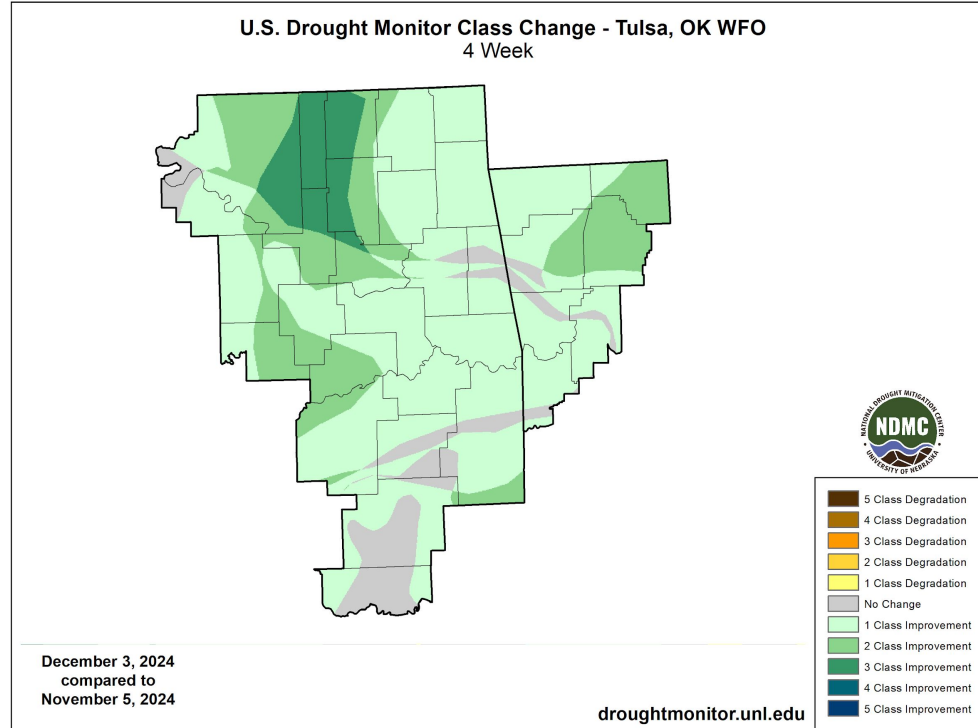
National Weather Service
Tulsa, OK



Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for eastern Oklahoma and northwestern Arkansas

- Four Week Drought Monitor Class Change:
 - Drought Worsened: no counties in eastern Oklahoma and northwestern Arkansas.
 - No Change: portions of Osage, Pawnee, Cherokee, Adair, Le Flore, Latimer, Pushmataha, and Choctaw Counties in eastern Oklahoma, and Washington, Crawford, Franklin, and Sebastian Counties in northwestern Arkansas.
 - Drought Improved: all counties in eastern Oklahoma and northwestern Arkansas had improvement in drought conditions. Portions of Nowata, Washington, Osage, Tulsa, Rogers, and Wagoner Counties in eastern Oklahoma saw a three category improvement over the last 4 weeks.

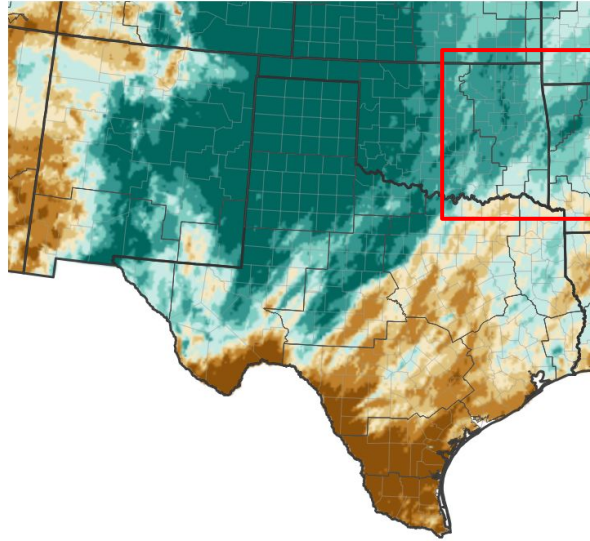




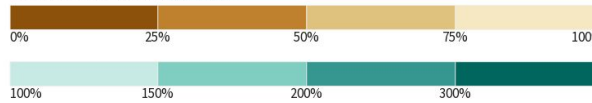
Precipitation

- For the 7-day period through the morning of Dec. 6, 2024, a few hundredths of an inch to around 0.5” of rain fell across southeastern Oklahoma.
- For the 30 days ending Dec. 4, 2024, rainfall totals across the area ranged from 2” to 8”, which corresponds to 60%-300% of the normal rainfall.
- Tulsa, OK recorded it’s wettest November on record.

30-Day Precipitation: Percent of PRISM Normal

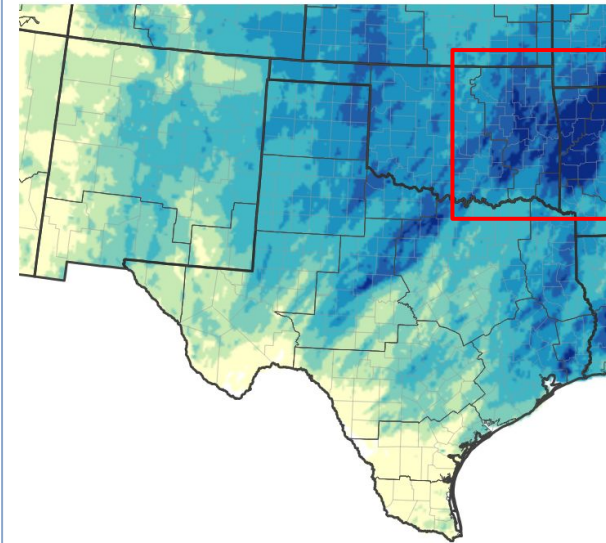


Percent of Normal Precipitation (%)



Source(s): National Weather Service National Water Prediction Service; image courtesy of Drought.gov Data Valid: 12/04/24

NWPS 30-Day Precipitation Accumulations (inches)



Inches of Precipitation



Source(s): National Weather Service National Water Prediction Service; image courtesy of Drought.gov Data Valid: 12/04/24





Summary of Impacts

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

Hydrologic Impacts

- A few reservoirs were below 97% of their conservation pools.
- The Bartlesville City Water Utilities Director Terry Lauritsen “said there is good news as we are no longer in any type of threat of a drought or any kind of water supply issue. All of our lakes are full and everything is really very good from that perspective. However, the city will continue to work on looking for future water supply.” (quote from KWON Radio and BartlesvilleRadio.com)

Agricultural Impacts

- Pasture land in northwestern Arkansas is still not providing enough for grazing, and supplemental feeding of livestock continues.

Fire Hazard Impacts

- There are no known impacts at this time.

Other Impacts

- There are no known impacts at this time.

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.

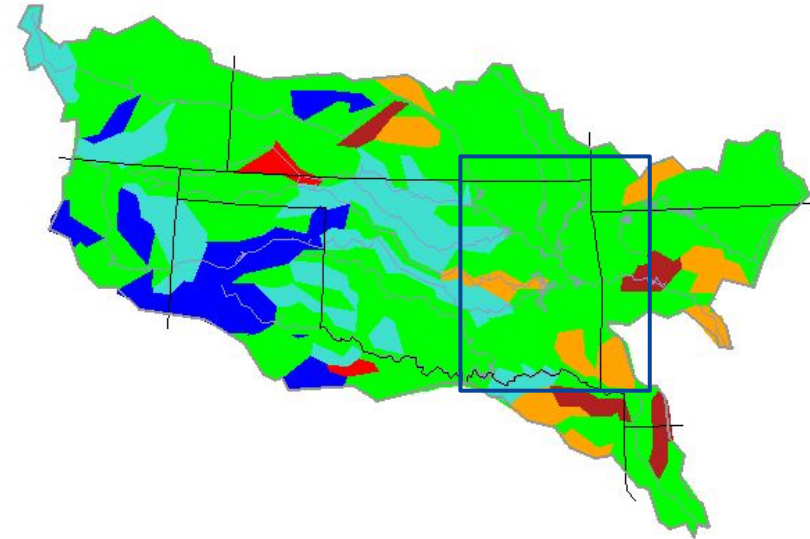




Hydrologic Conditions and Impacts

- According to the USGS, the [7-day average streamflow](#) as of December 5, 2024 was normal to above normal for the majority of eastern Oklahoma and northwestern Arkansas (image on the right).
- According to the USACE, the following reservoirs were more than 3% below the top of their conservation pools as of December 2, 2024:
 - Hugo Lake 75%
 - Skiatook Lake 86%
 - Beaver Lake 92%
 - Sardis Lake 94%

Thursday, December 05, 2024



USGS

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 5, 2024



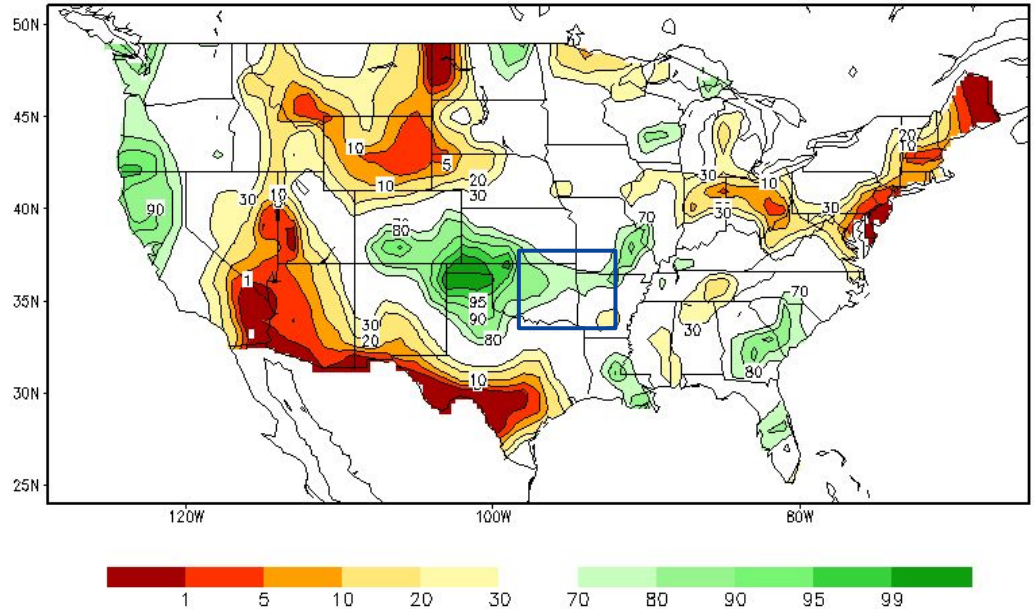


Agricultural Impacts

Links to the [OK Mesonet Soil Moisture](#) and [Arkansas-Red Basin River Forecast Center modeled zonal soil moisture](#).

- According to the CPC, soil moisture was near to above normal across all of eastern OK and northwestern AR as of Dec. 4, 2024 (image).
- According to Condition Monitoring Reports submitted at the end of November through the beginning of December 2024 from across northwestern Arkansas, streams and ponds are back to near normal conditions. However, the rains in November did not help much with the pastures, and supplemental feeding for livestock continues.

Calculated Soil Moisture Ranking Percentile
DEC 04, 2024





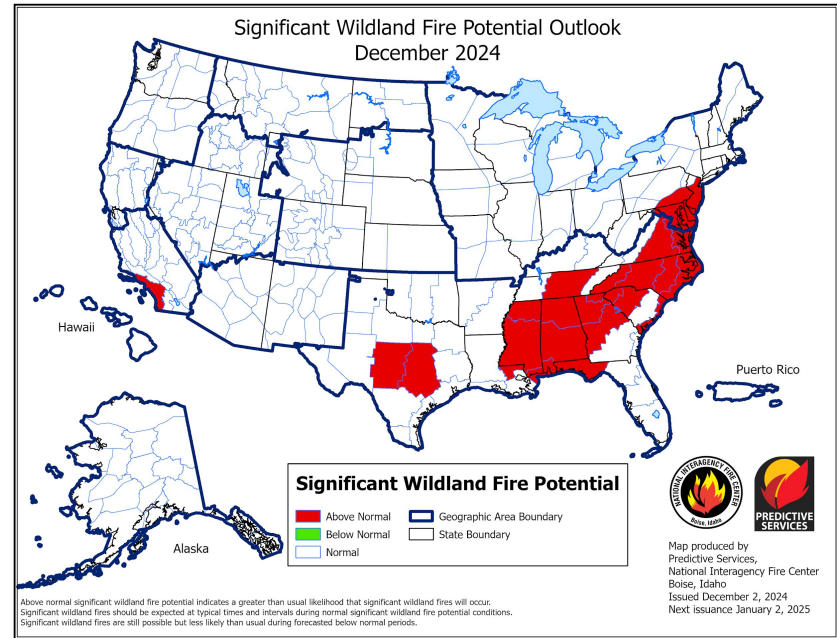
Fire Hazard Impacts

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

- No Burn Bans were in effect as of December 6, 2024.
- The December 2024 Significant Wildland Fire Potential Outlook shows normal potential for eastern Oklahoma and northwest Arkansas.

Latest OK Burn Ban map available [here.](#)

Latest AR Burn Ban map available [here.](#)

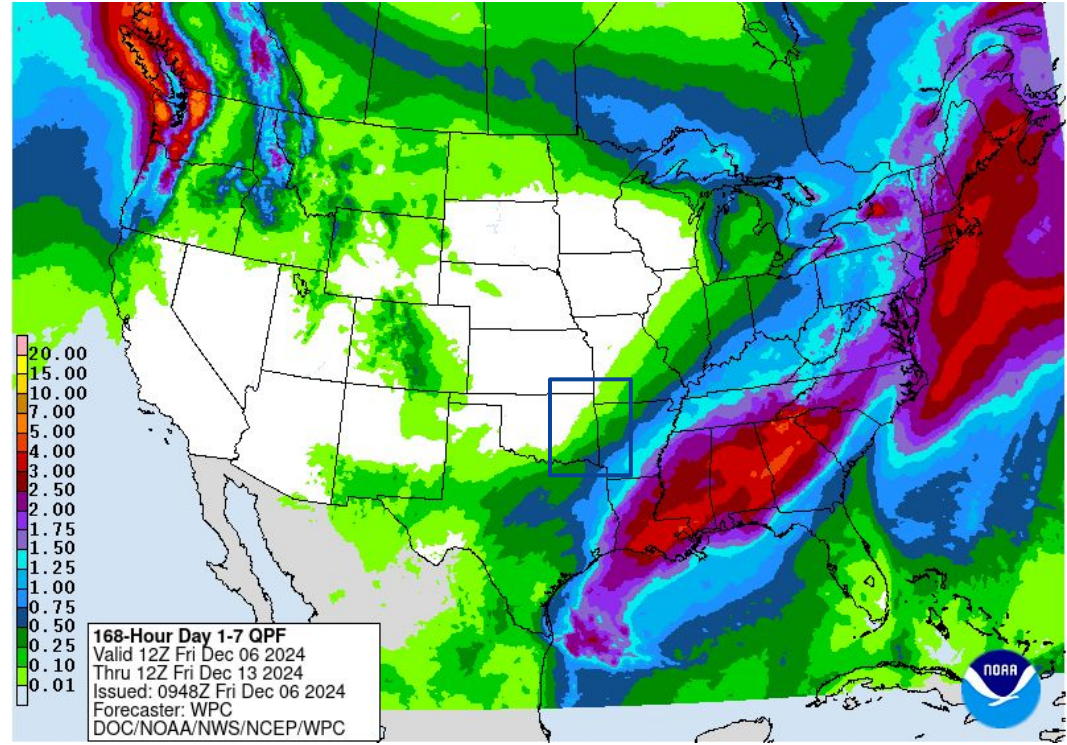




Seven-Day Precipitation Forecast

Link to the latest [7-day Forecast for Eastern OK and northwest AR](#)

- There is a 20%-80% chance for showers from the evening of December 7 through December 8, with the highest chances across far southeast OK and west central AR.
- Around 0.5" or less of rain is forecast over the next 7 days across eastern OK and northwestern AR, southeast of I-44.

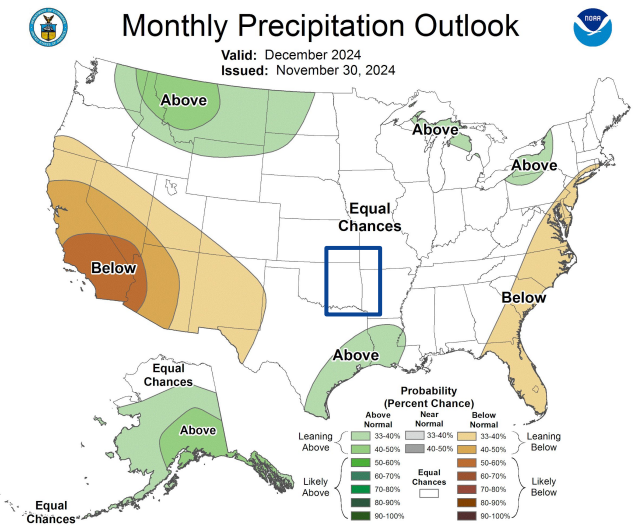
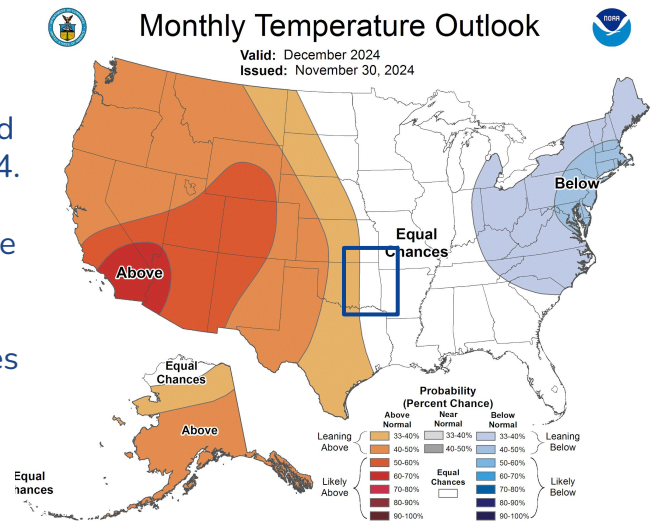




Long-Range Outlooks

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

- According to the Climate Prediction Center (CPC), there is an equal chance for above, near, and below normal temperatures and precipitation for all of eastern OK and northwestern AR for December 2024.
- In the longer term, the outlook for the 3-month period Dec-Jan-Feb 2024-25 calls for an enhanced chance of above normal temperatures and an enhanced chance for below median precipitation for southeast OK. There is an equal chance for above, near, and below normal temperatures and precipitation for the remainder of eastern OK and northwestern AR.



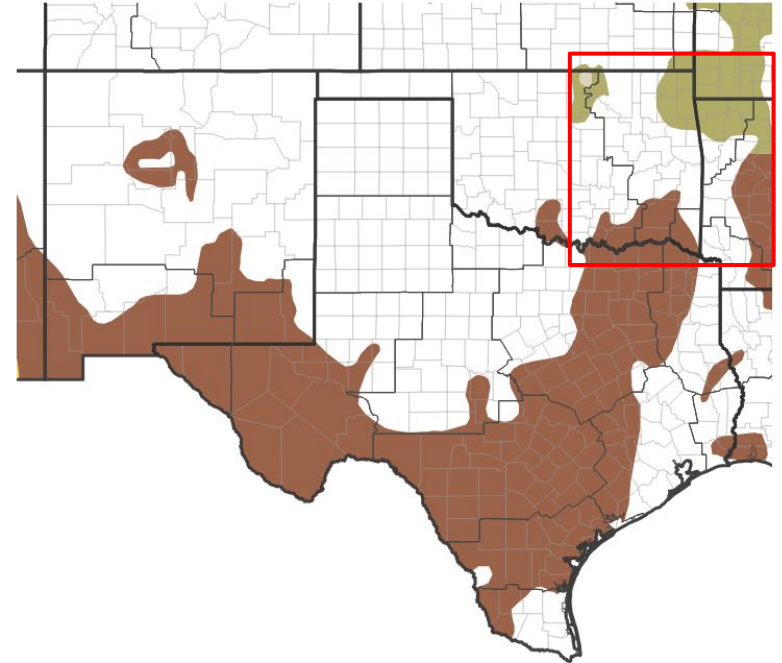


Drought Outlook

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

- The CPC Seasonal Drought Outlook valid November 30, 2024 through February 28, 2025 indicates that drought conditions are expected to persist in southeastern OK, while drought is expected to end across northeastern OK and northwestern AR.

Seasonal (3-Month) Drought Outlook for November 30, 2024–February 28, 2025



Drought Is Predicted To...



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

Last Updated: 11/30/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



National Oceanic and Atmospheric Administration

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