



Drought Information Statement for New Mexico

Valid July 19, 2024

Issued By: NWS Albuquerque

Contact Information:

- This product will be updated August 17, 2024 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/ABQ/DroughtInformationStatement> for previous statements.
 - Please visit <https://www.drought.gov/drought-status-updates> for regional drought status updates.
-
- Drought persisted with minor to locally moderate improvements over the past month.



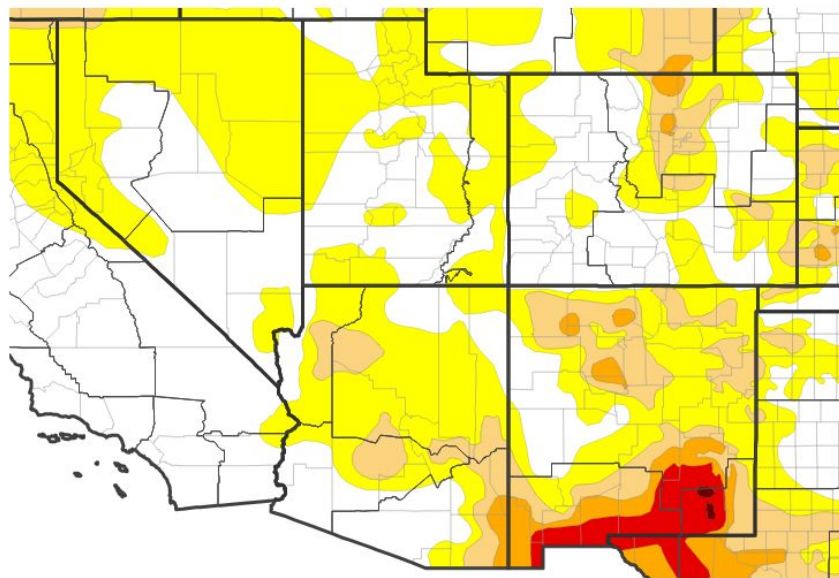


U.S. Drought Monitor

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

- Drought intensity and Extent
 - **D4 (Exceptional Drought)**: Localized portions of far southeast NM.
 - **D3 (Extreme Drought)**: Adjacent portions of southeast NM and far southern NM.
 - **D2 (Severe Drought)**: Southeast NM, the borderland, and localized portions of north-central NM.
 - **D1 (Moderate Drought)**: Portions of northern and eastern NM and the rest of southern NM.
 - **D0: (Abnormally Dry)**: The remainder of central and eastern NM NM, and surrounding portions of CO, AZ, and TX.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 07/16/24



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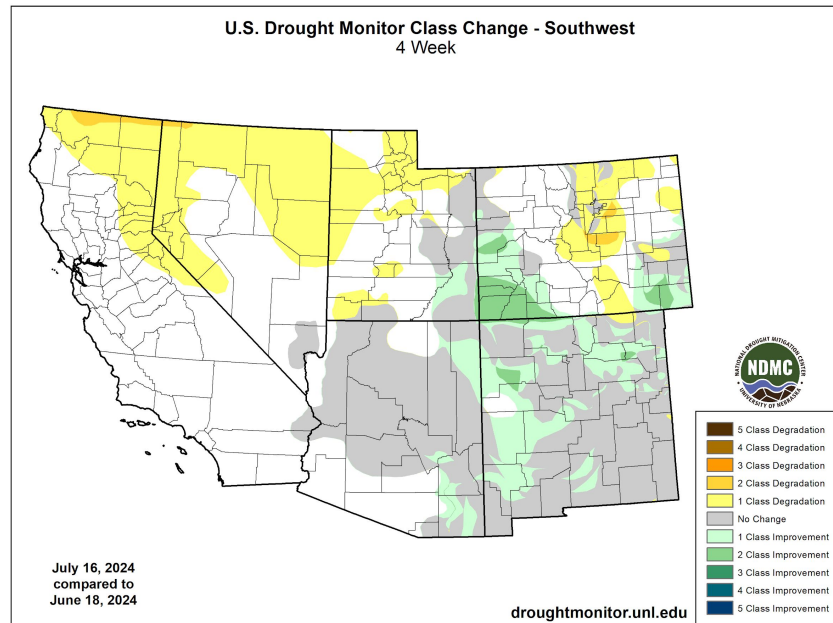
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Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for the southwest U.S.

- Four Week Drought Monitor Class Change.
 - Drought Worsened: No noteworthy deterioration occurred in NM.
 - No Change: Large portions of NM saw little to no change.
 - Drought Improved: Small portions of NM experienced 1 and 2 class improvements, mainly in the northern and western parts of the state.

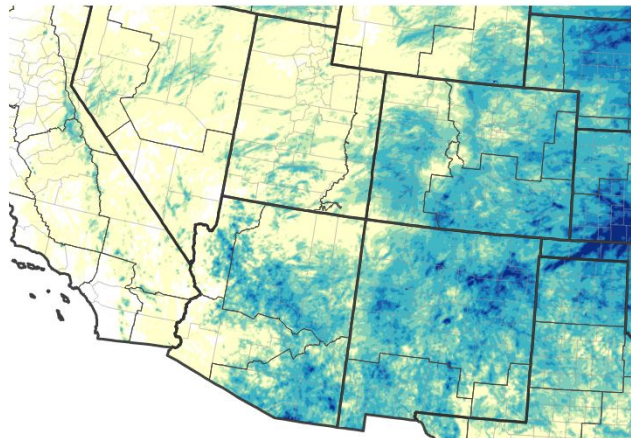




Precipitation

- After an extremely dry April, we began to see more regular bouts of precipitation develop through much of NM during May, June, and especially July. Many areas saw well above normal precipitation amounts in the last 30 days. Below normal rainfall persisted in the southeast and within pockets of the east slopes of the central mountain chain and southwest NM.

30-Day Precipitation Accumulations (Inches)



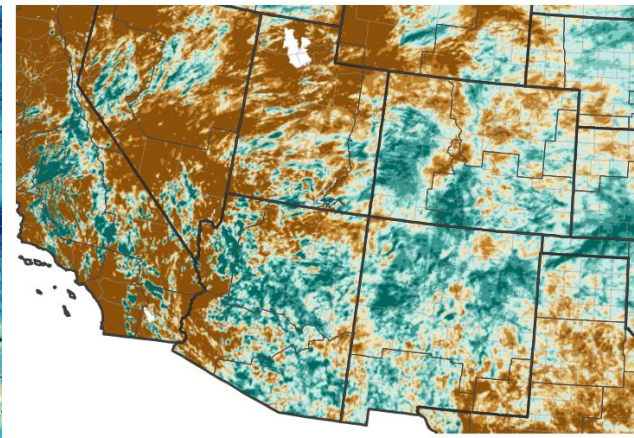
Inches of Precipitation



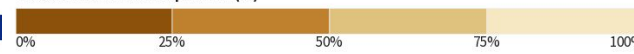
Source(s): National Weather Service Multi-Radar Multi-Sensor System;
image courtesy of Drought.gov

Last Updated: 07/18/24

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: 07/18/24

Image Caption: (Left) 30-day Precip (Right) 30-day Percent of Normal ending 7/18/2024.



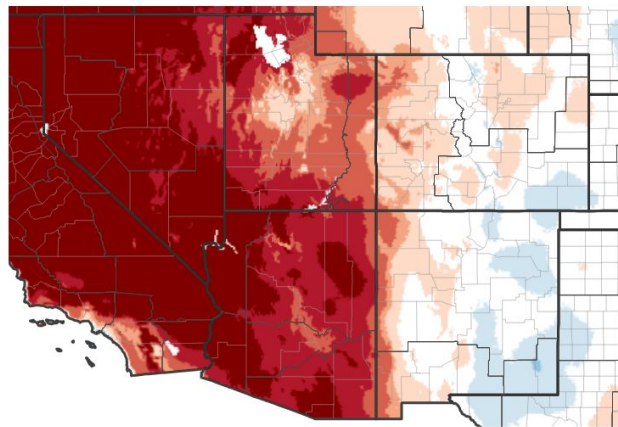


Temperature

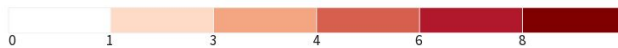
[Link to HPRCC](#)

- Temperatures during late June and early July have been above normal in portions of southern and eastern NM and below normal across central and western NM.

7-Day Temperature Anomaly



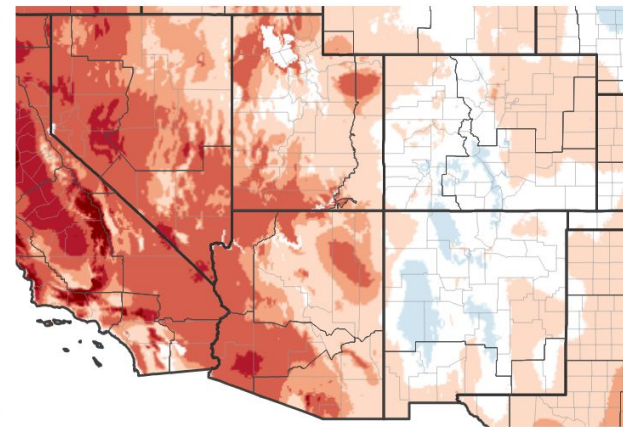
Departure from Normal Max Temperature (°F)



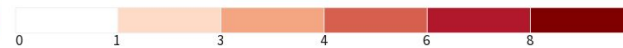
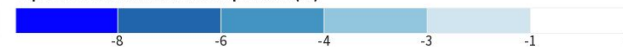
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 07/14/24

30-Day Temperature Anomaly



Departure from Normal Max Temperature (°F)



Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 07/14/24

Image Caption: (Left) 7-day Temp Anomaly (Right) 30-day Temp Anomaly ending 7/14/2024.



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Summary of Impacts

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

Hydrologic Impacts

- Streamflow was generally near normal across the vast majority of NM at the end of June and early July. Flash flooding occurred over portions of the area with localized, short-duration higher flows.

Agricultural Impacts

- Rangeland in particular has suffered in the southeastern part of the state.

Fire Hazard Impacts

- Fuel moisture values are still near to below normal across much of the region, especially southern NM, including grass and timber fuels (Albuquerque Interagency Dispatch Center). The July and August significant wildland fire potential shows areas along the central mountain chain and southern NM in a higher risk category which lines up well with the area of moderate or greater drought.





Hydrologic Conditions and Impacts

- This map shows how various river basins are performing compared to a 7-day average streamflow for the week of July 17 (30-year climatology).
- Most of the state is reading as normal with a couple basins below normal.
- It is important to keep in mind that the major river systems of New Mexico are largely controlled by dams and reservoirs and that “performance” is heavily influenced by human activity.

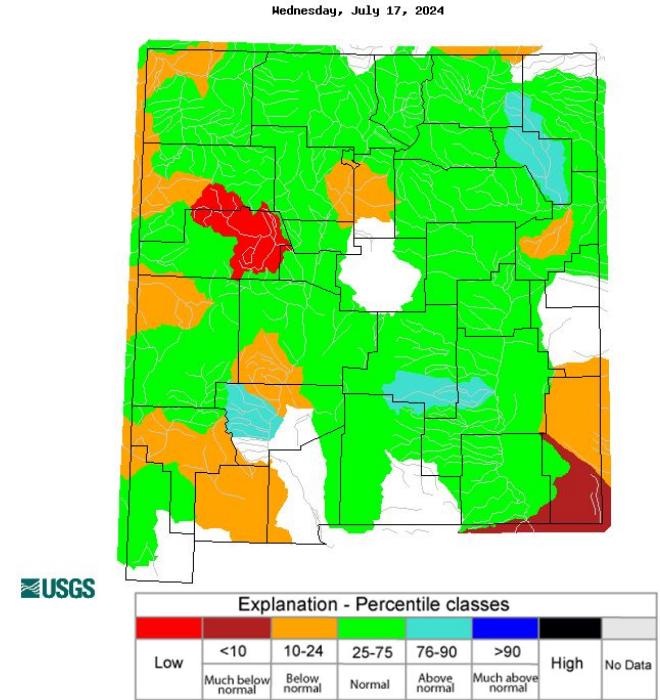


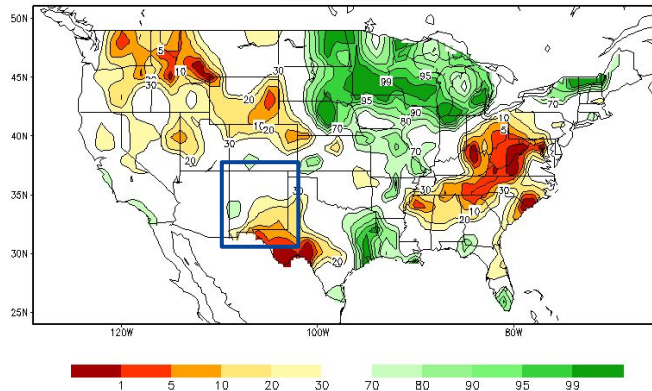
Image Caption: USGS 7 day average streamflow HUC map valid 07/17/2024



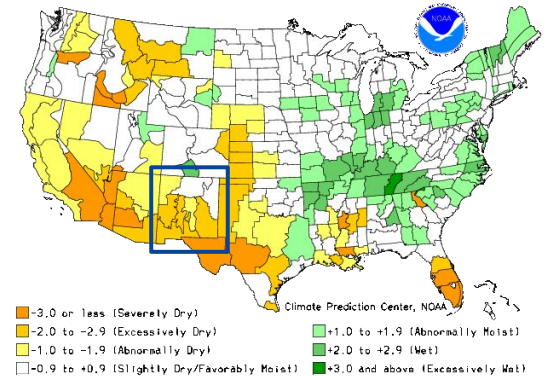
Agricultural Impacts

- Soil moisture conditions are dry throughout much of southern New Mexico.
- Crop moisture conditions are drier than normal in southern 2/3rds of New Mexico.

Calculated Soil Moisture Ranking Percentile
JUL 17, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending JUL 13, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile



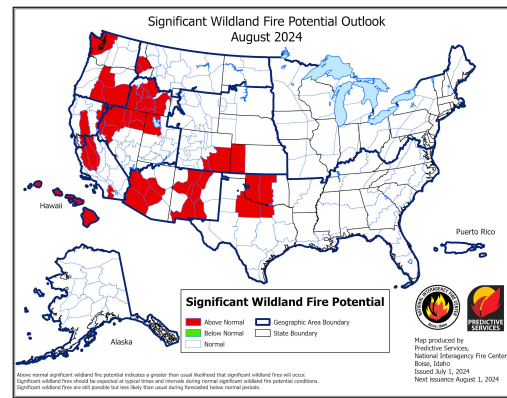
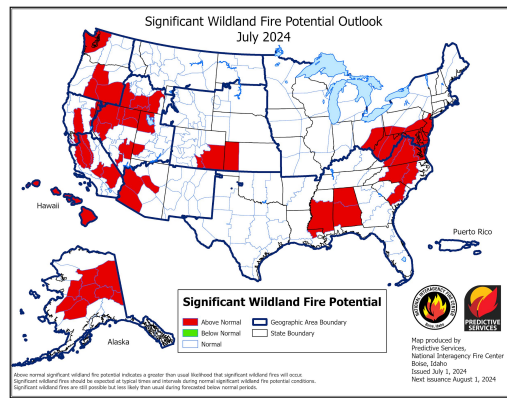
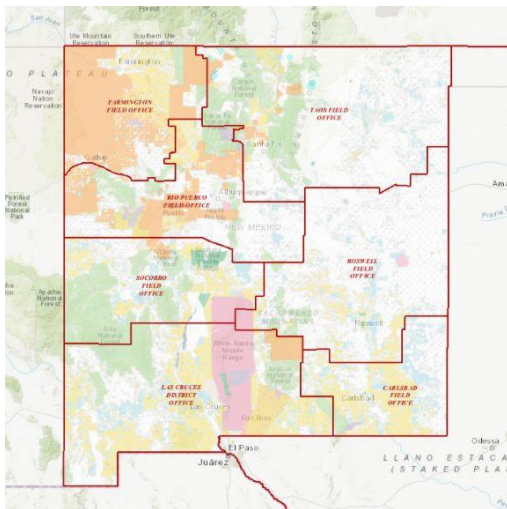


Fire Hazard Impacts

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

- The latest July and August 2024 significant wildland fire potential outlooks shows areas along the central mountain chain, nearby highlands, and southern NM with above normal fire potential.

Detailed information available on the interactive map below.

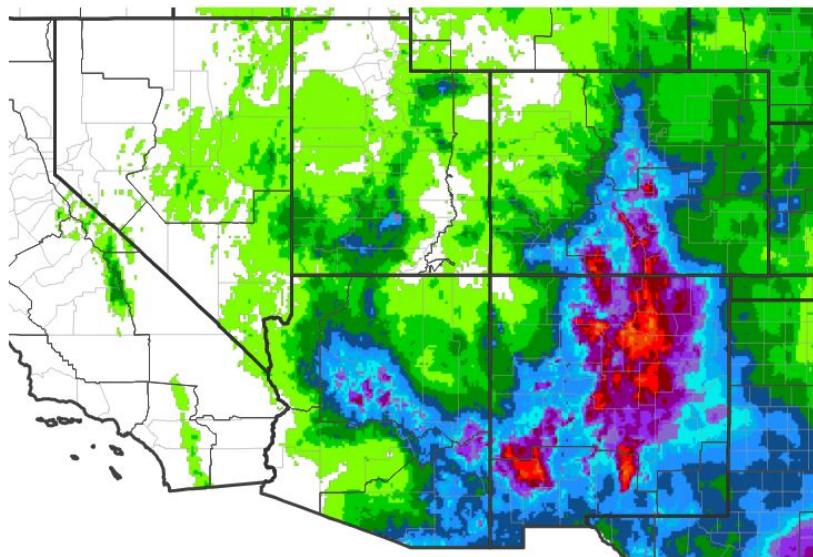




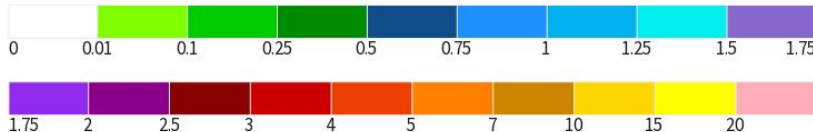
Seven Day Precipitation Forecast

- Large portions of NM are forecast to pick up moderate to locally heavy precipitation amounts over the next 7 days. The heavier amounts are expected along the central mountain chain and nearby highlands and plains of eastern NM, as well as the southern high terrain.

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

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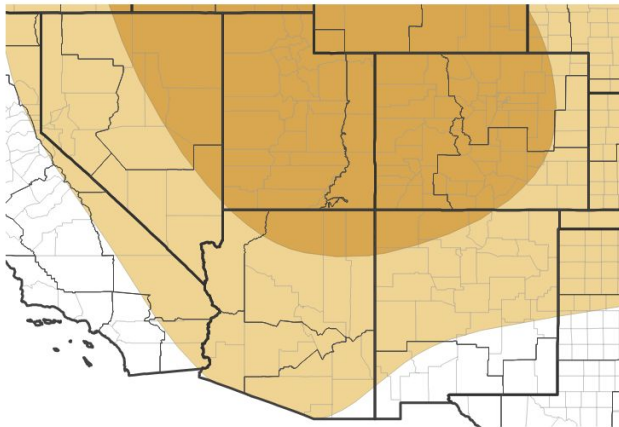


Long-Range Outlooks

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

- The latest CPC monthly precipitation outlook for August favors below normal precipitation in northern and central New Mexico, especially the Four Corners region.
- The latest CPC monthly temperature outlook for August favors above normal temperatures for all of New Mexico, especially the north and east.
- See the [2024 NM Monsoon Outlook](#) for a potential alternate climate scenario.

Monthly Precipitation Outlook



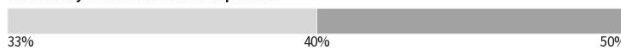
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



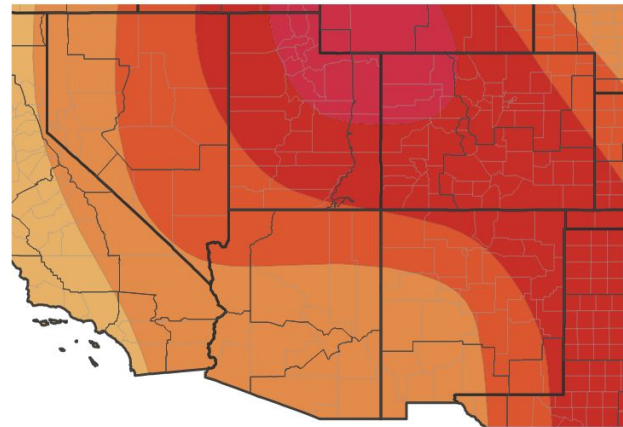
Probability of Near-Normal Precipitation



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

Last Updated: 07/18/24

Monthly Temperature Outlook



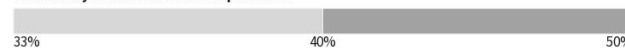
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



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

Last Updated: 07/18/24

Image Caption: (Left) August Precip Outlook (Right) August Temperature Outlook



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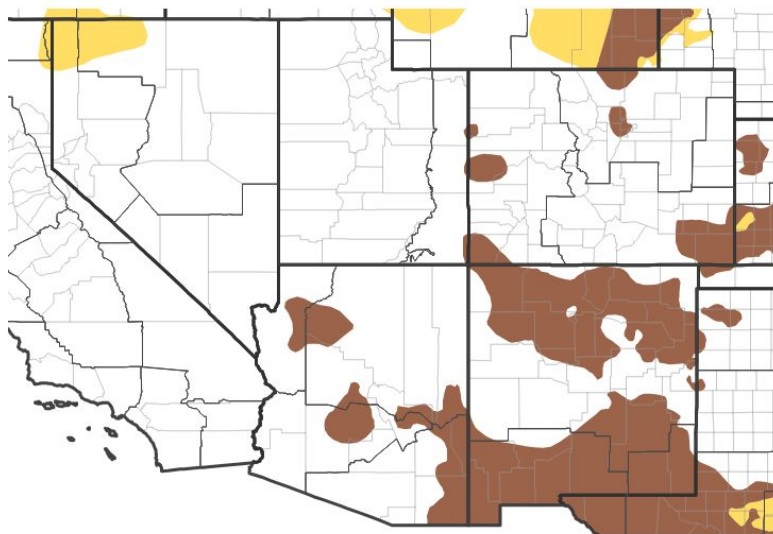


Drought Outlook

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

- Based on the fact that conditions can be quite dry in New Mexico when we call for near normal temperatures and precipitation, the Climate Prediction Center is calling for persistence of drought conditions throughout much of the state through August.

1-Month Drought Outlook



Drought Is Predicted To...



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

Last Updated: 06/30/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



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