Drought Information Statement for Mojave Desert and Eastern Sierra

Valid November 15, 2024

Issued By: WFO Las Vegas, NV

Contact Information: nws.lasvegas@noaa.gov

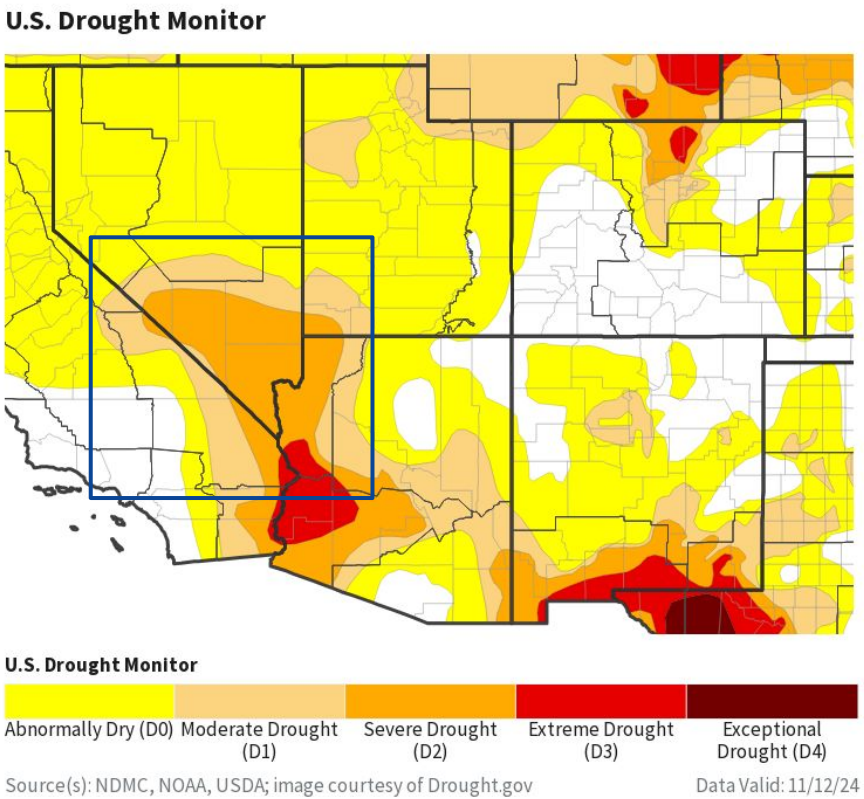
- This product will be updated December 19, 2024 or sooner if drought conditions change significantly.
- Please see all currently available products at https://drought.gov/drought-information-statements.
- Please visit https://www.weather.gov/VEF/DroughtInformationStatement for previous statements.
- Please visit https://www.drought.gov/drought-status-updates/ for regional drought status updates.

- A hot and dry summer and fall worsened drought conditions across southern Nevada, southeastern California, and northwestern Arizona.
- Extreme drought has expanded up the Colorado River Valley and may continue to expand if a dry winter pattern unfolds.

U.S. Drought Monitor

Link to the latest U.S. Drought Monitor for the Southwestern United States

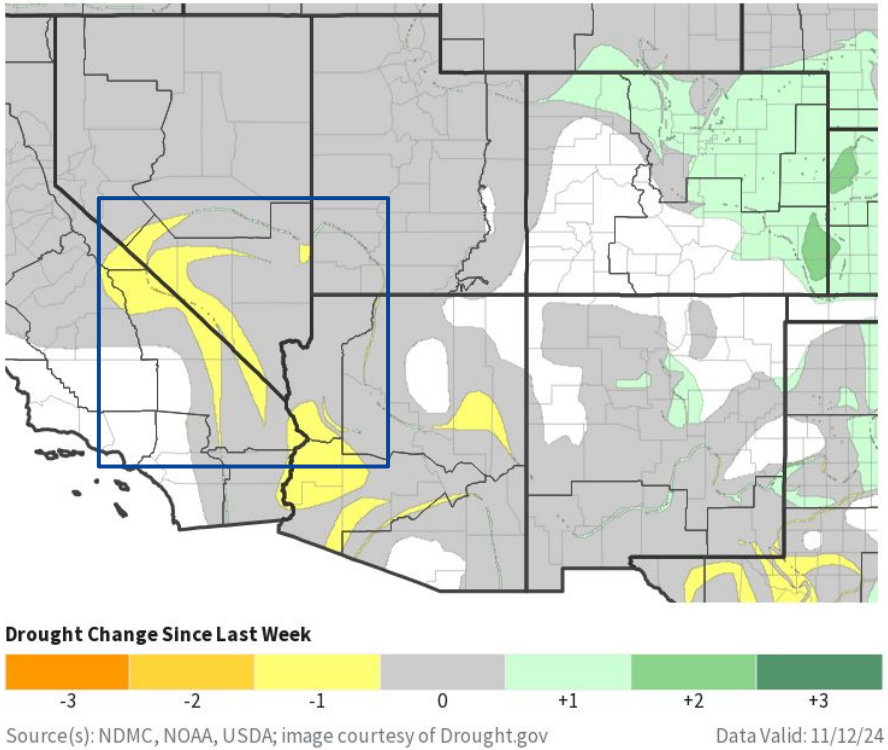
- Drought intensity and Extent
  - **D3 (Extreme Drought)**: Colorado River Valley in extreme southern Mohave County and southeastern San Bernardino County.
  - **D2 (Severe Drought)**: Clark County, southern Lincoln and Nye counties, eastern Esmeralda County, western Mohave County, far eastern San Bernardino County.
  - **D1 (Moderate Drought)**: Southern Nye County, western Esmeralda County, northern Lincoln County, eastern Mohave County, eastern San Bernardino County, northern and eastern Inyo County.
  - **D0: (Abnormally Dry)**: Southern Inyo County, western Esmeralda County, far northern Lincoln County, western San Bernardino County.



Recent Change in Drought Intensity

Link to the latest 4-week change map for [region]

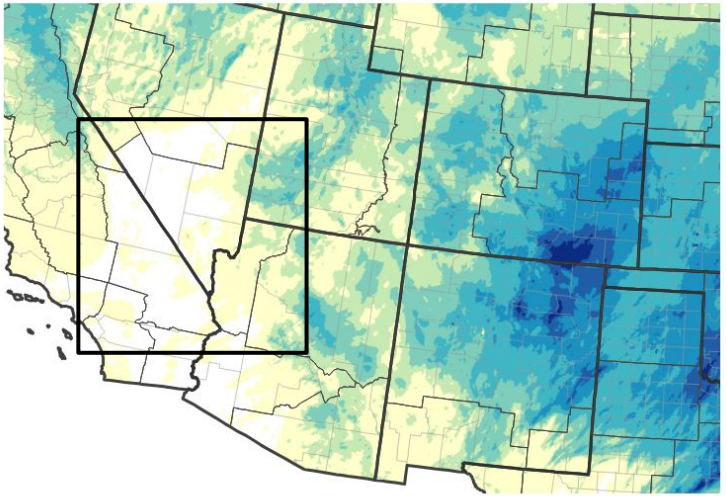
- Four Week Drought Monitor Class Change.
  - Drought Worsened: Colorado River Valley in California and Arizona, sections of Esmeralda, southern Nye,eastern Clark, northern and eastern Inyo, and eastern San Bernardino counties.
  - No Change: Most of southern Nevada, southeastern California, and northwestern Arizona.
  - Drought Improved: No improvement was observed.



Precipitation

- Outside of northern Mohave and eastern Lincoln counties, most other areas received a few hundredths of an inch or no measurable rainfall over the last 30 days.

30-Day Precipitation Accumulations (Inches)



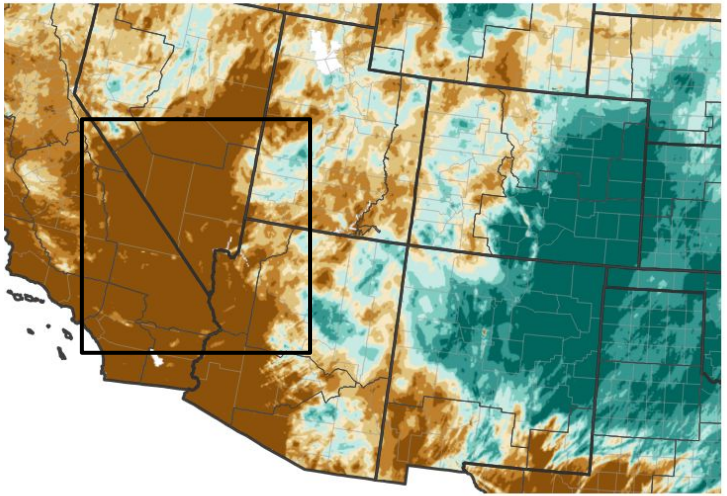
Inches of Precipitation

0 | 0.01 | 0.5 | 1 | 2 | 2 | 4 | 6 | 8

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

Last Updated: 11/14/24

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)

0% | 25% | 50% | 75% | 100% | 100% | 150% | 200% | 300%

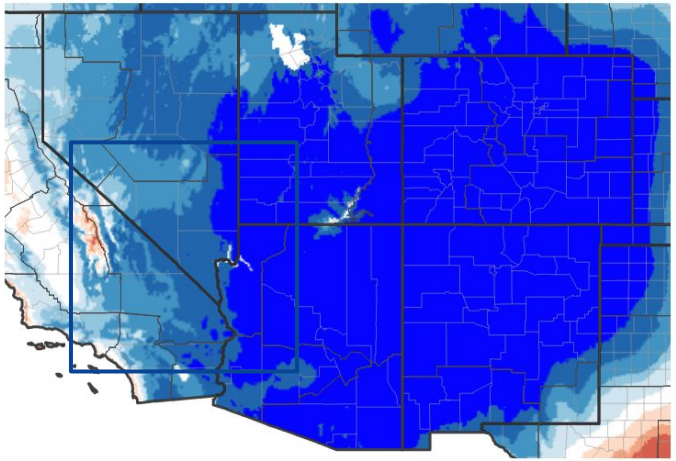
Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 11/14/24

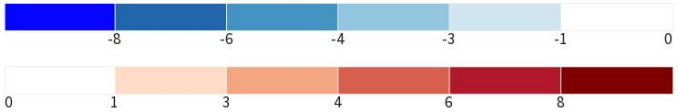
Temperature

- After a hot summer and early fall, maximum temperatures over the last 7 days have been 4 or more degrees below normal.
- Maximum temperatures over the last 30 days have been near normal for most of southern Nevada, southeastern California, and northwestern Arizona.

7-Day Temperature Anomaly



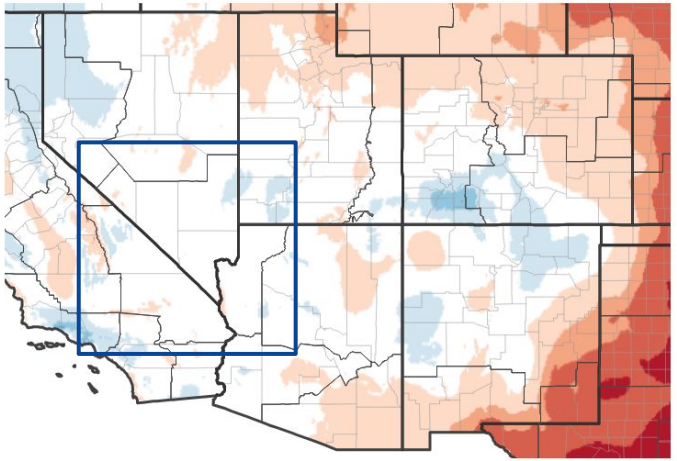
Departure from Normal Max Temperature (°F)



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

Data Valid: 11/10/24

30-Day Temperature Anomaly



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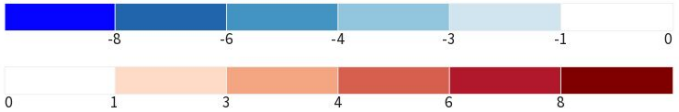


Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 11/10/24

Summary of Impacts

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

Hydrologic Impacts

- Lake Mead is at 1,061.14 feet in elevation, or 33 percent full.

Agricultural Impacts

- There are no known impacts at this time.

Fire Hazard Impacts

- There are no known impacts at this time.

Other Impacts

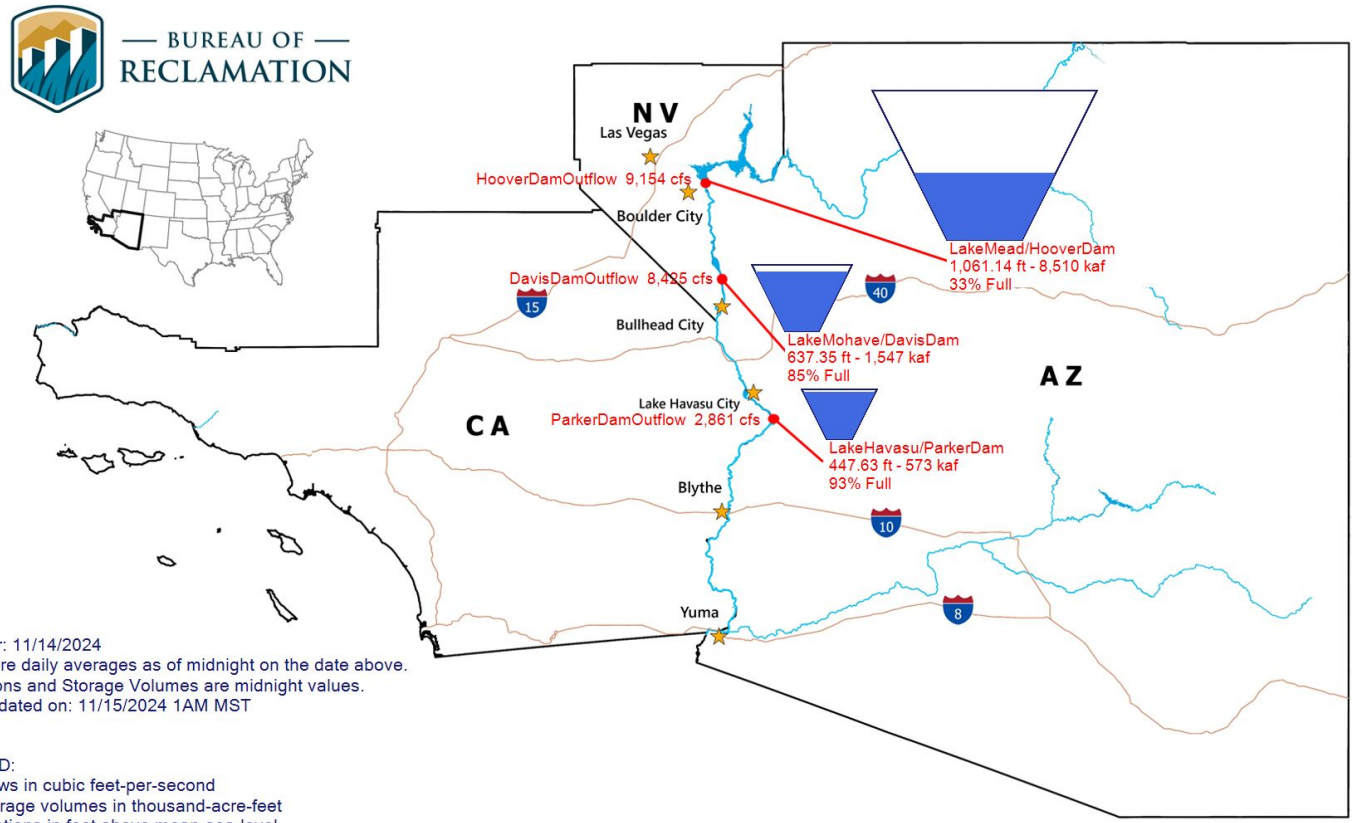
- There are no known impacts at this time.

Mitigation Actions

- Watering restrictions are in place by the Southern Nevada Water Authority.

Hydrologic Conditions and Impacts

- Lake Mead is at 1,061.14 feet in elevation, or 33% full.
- Lake Mohave is at 637.35 feet in elevation, or 85% full.
- Lake Havasu is at 447.63 feet in elevation, or 93% full.
- The Bureau of Reclamation 24-month study suggests a rise in Lake Mead and Mohave through January, and a slight decrease in Lake Havasu.



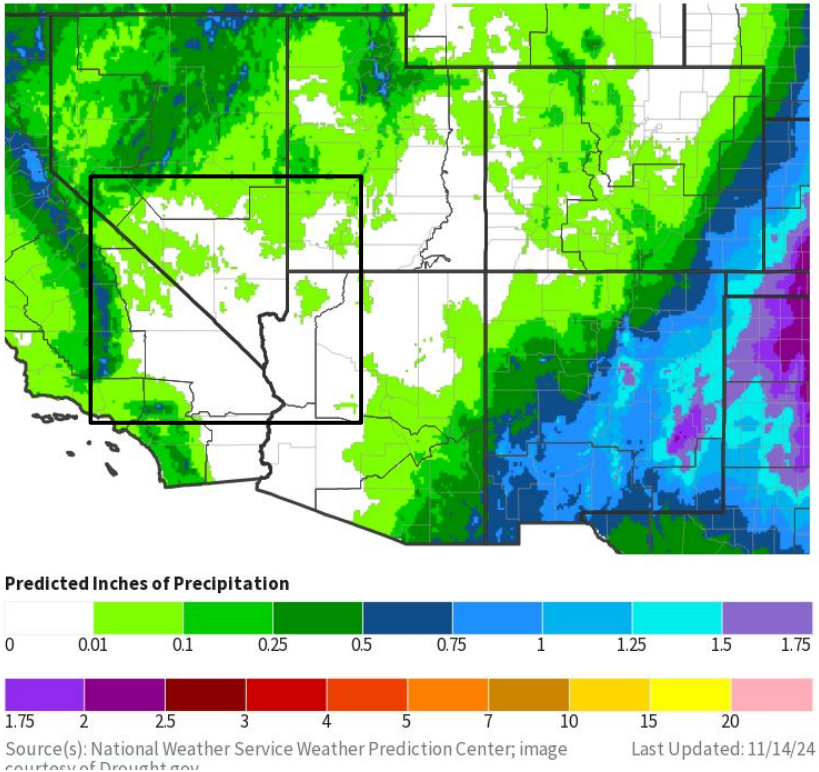
Data for: 11/14/2024
Flows are daily averages as of midnight on the date above.
Elevations and Storage Volumes are midnight values.
Last updated on: 11/15/2024 1AM MST

LEGEND:
cfs: Flows in cubic feet-per-second
kaf: Storage volumes in thousand-acre-feet
ft: Elevations in feet above mean-sea-level

Seven Day Precipitation Forecast

- Light precipitation is forecast for November 15 and 16 with the passage of a weather system. This includes light snowfall above 5000 feet in elevation.
- Additional light precipitation is possible in eastern Lincoln and northern Mohave counties on Monday, November 18. Afterwards, no precipitation is forecast through November 21.

7-Day Quantitative Precipitation Forecast for November 14, 2024–November 21, 2024

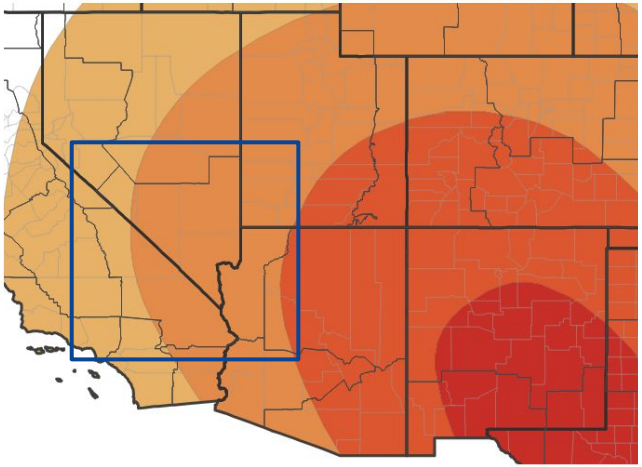


Long-Range Outlooks

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

- There is a 33 to 50% probability of above normal temperatures through January 31, 2025.
- In Mohave County, there is a 33 to 40% chance of below normal precipitation through January 31, 2025. The remainder of the forecast area has equal chances of above or below normal precipitation.

Seasonal (3-Month) Temperature Outlook for November 1, 2024–January 31, 2025



Probability of Below-Normal Temperatures

33% 40% 50% 60% 70% 80% 90%

Probability of Above-Normal Temperatures

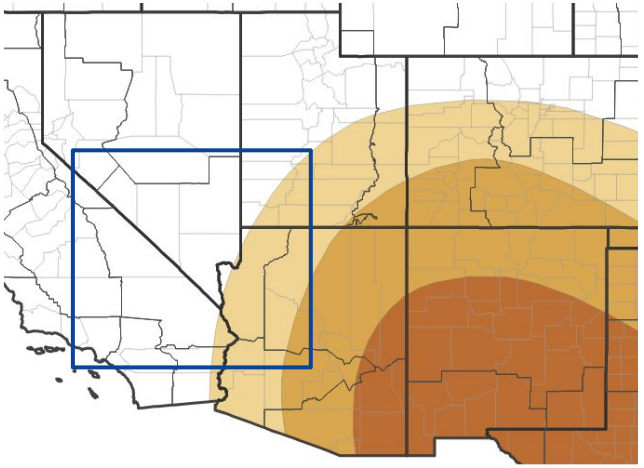
33% 40% 50% 60% 70% 80% 90%

Probability of Near-Normal Temperatures

33% 40%

Source(s): Climate Prediction Center; image courtesy of Drought.gov Last Updated: 1(

Seasonal (3-Month) Precipitation Outlook for November 1, 2024–January 31, 2025



Probability of Below-Normal Precipitation

33% 40% 50% 60% 70% 80% 90%

Probability of Above-Normal Precipitation

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Probability of Near-Normal Precipitation

33% 40%

Source(s): Climate Prediction Center; image courtesy of Drought.gov Last Updated: 1(

Drought Outlook

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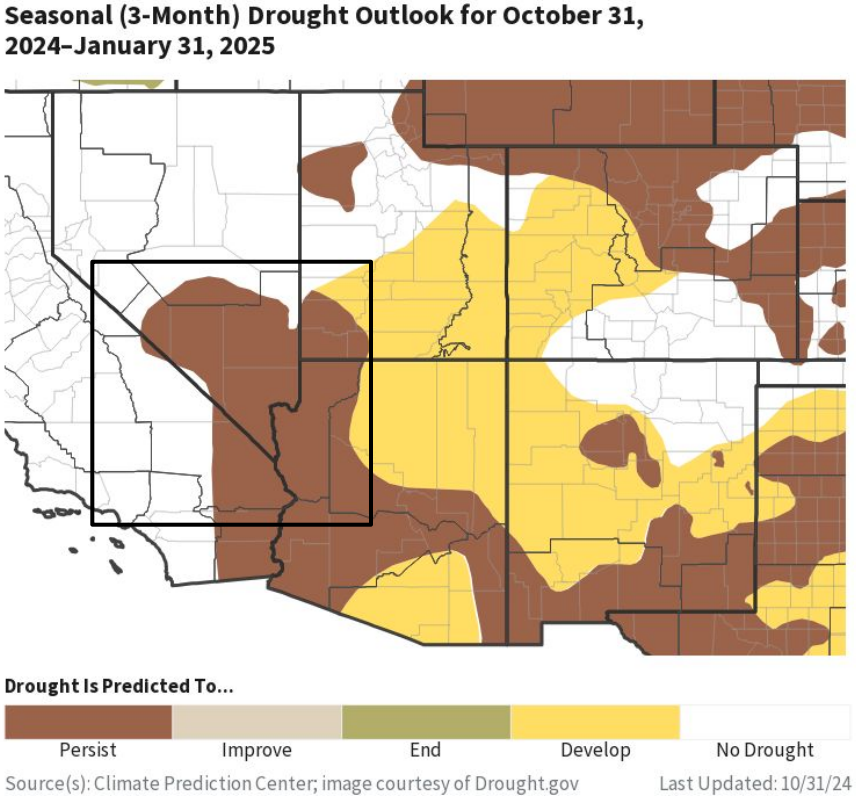
- Drought is expected to persist through January 31, 2025 for most of southern Nevada, northwestern Arizona, and eastern San Bernardino County.



Links to the latest:
Climate Prediction Center Monthly Drought Outlook
Climate Prediction Center Seasonal Drought Outlook