



Drought Information Statement for Southeast Arizona

Valid January 23, 2024

Issued By: NWS Tucson, AZ

Contact Information: w-twc.webmaster@noaa.gov

- This product will be updated February 20, 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/twc/DroughtInformationStatement> for previous statements.



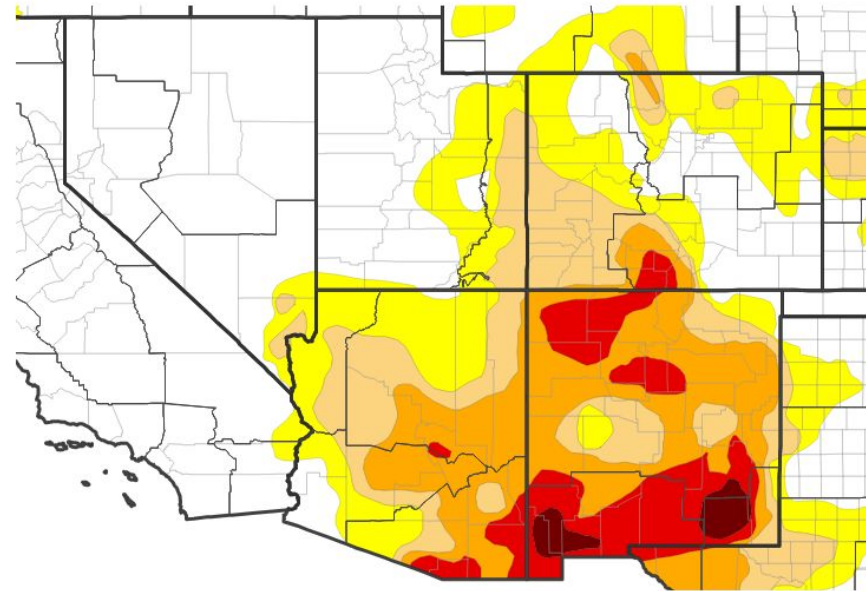


U.S. Drought Monitor

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

- DROUGHT CONDITIONS HEADLINE/KEY MESSAGE
- Drought intensity and Extent
 - D3 (Extreme Drought): Santa Cruz County, south central Pima, southwest and eastern Cochise, southeast Graham County and southern Greenlee County.
 - D2 (Severe Drought): Adjacent sections of southern and eastern Pima, Pinal and Graham counties, the remainder of Cochise and Greenlee counties.
 - D1 (Moderate Drought)/D0 Abnormally Dry: The rest of southeast Arizona not under D2 or D3.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 01/16/24

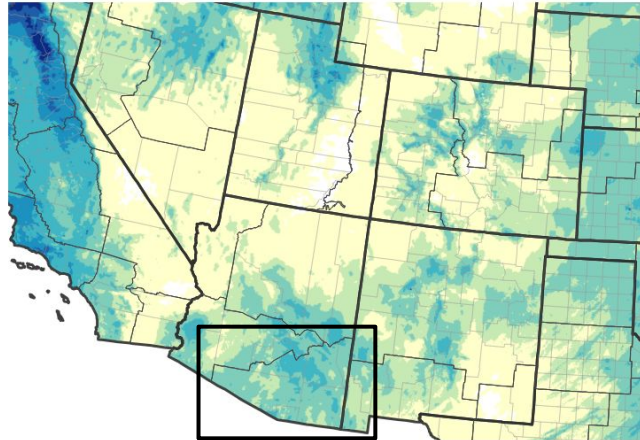




Precipitation

- The area has seen several widespread rain events over the past 30 days. One before Christmas, one in early January and then this past weekend.
- Thus most of southeast Arizona is above normal over the past 30 days. However, there are isolated areas that are slightly below normal in the past 30 days.

30-Day Precipitation Accumulations (Inches)

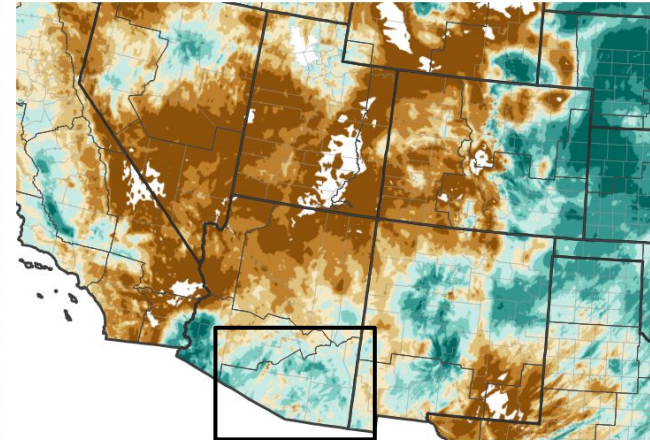


Inches of Precipitation

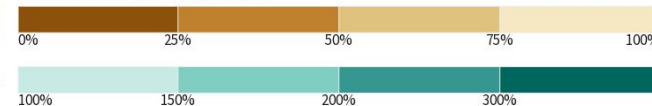


Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov Last Updated: 01/21/24

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: 01/21/24

Data over the past 30 days ending January 21, 2024

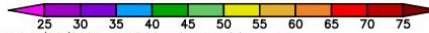
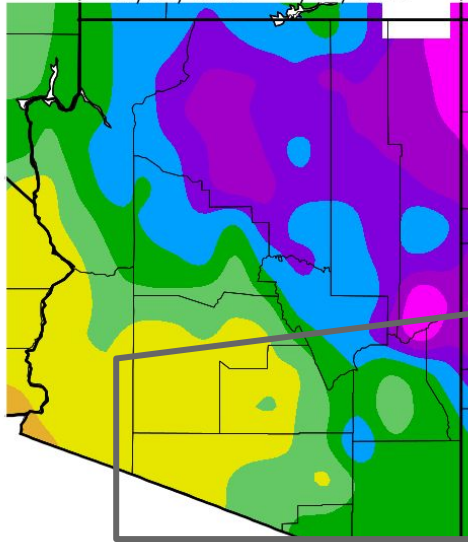




Temperature

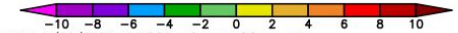
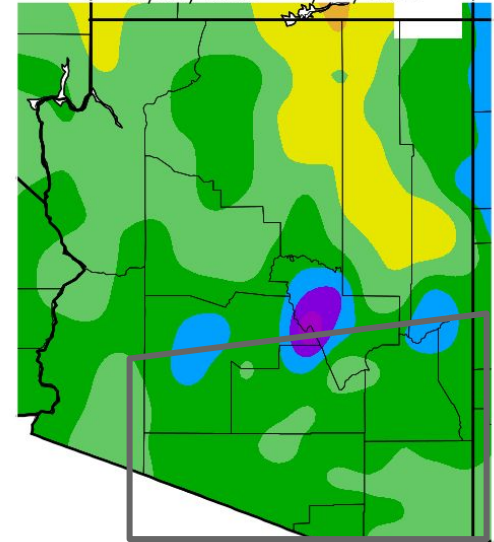
- Average temperatures over the past 30 days were mostly 1° to 3° below normal across most of southeast Arizona.

Ave. Temperature (deg. F)
12/23/2023 - 1/21/2024



Generated 1/22/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Ave. Temperature dep from Ave (deg F)
12/23/2023 - 1/21/2024



Generated 1/22/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Image Captions:

Left - [Average Temperature for Arizona w/southeast Arizona in highlighted gray box](#)

Right - [Departure from Normal Temperature for Arizona w/southeast Arizona in highlighted gray box](#)

Data Courtesy Western Regional Climate Center.

Data over the past 30 days ending January 21, 2024





Summary of Impacts

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

Hydrologic Impacts

- Streamflow conditions in Southeastern Arizona have declined since last month. The Upper Gila River Basin and San Pedro River Basin no longer have river reaches at normal or above normal. Both basins are now below normal to much below normal.

Agricultural Impacts

- Soil moisture values have improved thanks to the widespread rain but are still on the dry side across the area.

Fire Hazard Impacts

- Recent precipitation and cooler temperatures have allowed fuel moistures to rise to near or above average for this time of year, reducing the threat of rapidly spreading grass fires on all but the windiest days. However, additional precipitation is needed over the next month to maintain the higher fuel moisture levels.

Mitigation Actions

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

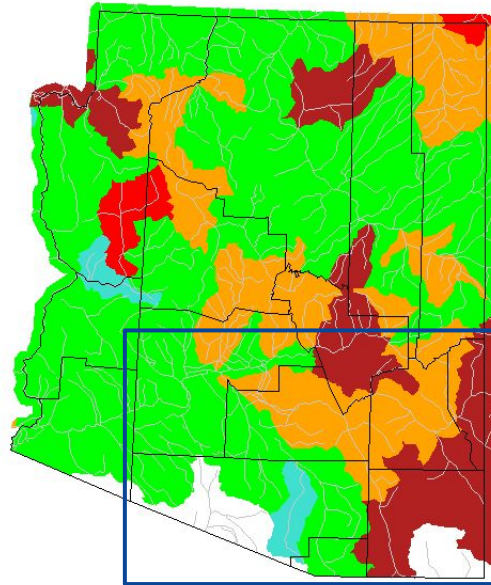




Hydrologic Conditions and Impacts

- Streamflow conditions in Southeastern Arizona have declined since last month. The Upper Gila River Basin and San Pedro River Basin no longer have river reaches at normal or above normal. Both basins are now below normal to much below normal.

Sunday, January 21, 2024



iGS

| 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 January 21, 2024

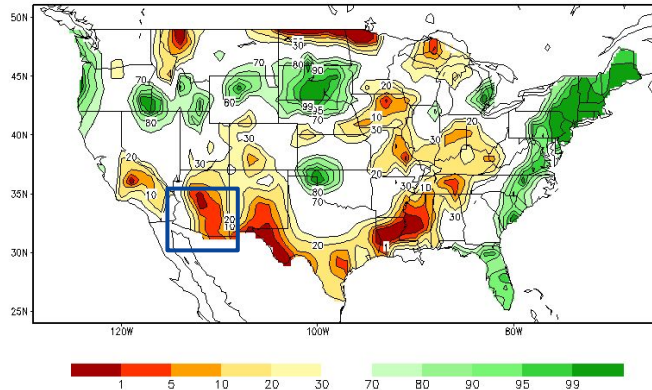




Agricultural Impacts

- Soil moisture values continue to be mostly dry across southeast Arizona.

Calculated Soil Moisture Ranking Percentile
JAN 21, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending JAN 20, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile

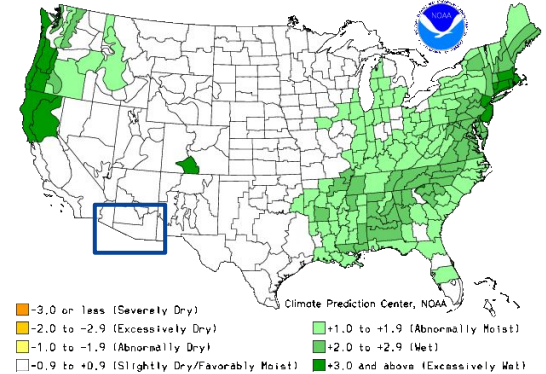


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid January 21, 2024

Right: [Crop Moisture Index by Division](#). Weekly value for period ending January 20, 2024

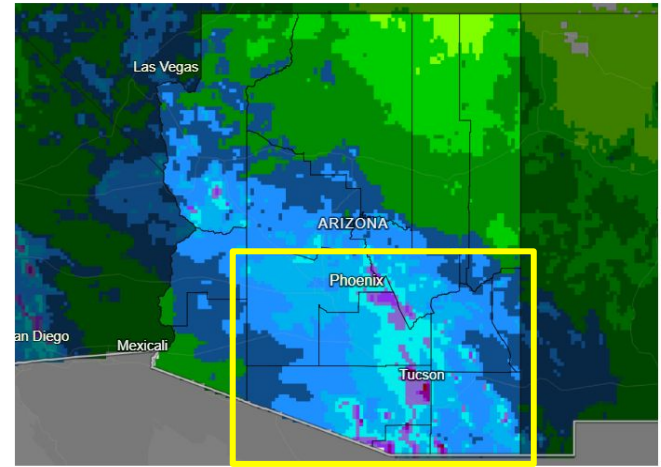




Seven Day Precipitation Forecast

- The second of two storm systems will move across southeast Arizona today and Wednesday then dry conditions to close out the month of January. The map to the right shows total precipitation for Monday through Wednesday.

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center
Data Valid: 01/22/24

Drought.gov

Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Monday January 22 to Saturday January 28





Long-Range Outlooks

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

- The Climate Prediction center outlook for February through April for southeast Arizona shows equal odds for either above, near or below normal seasonal mean temperatures & seasonal total precipitation.

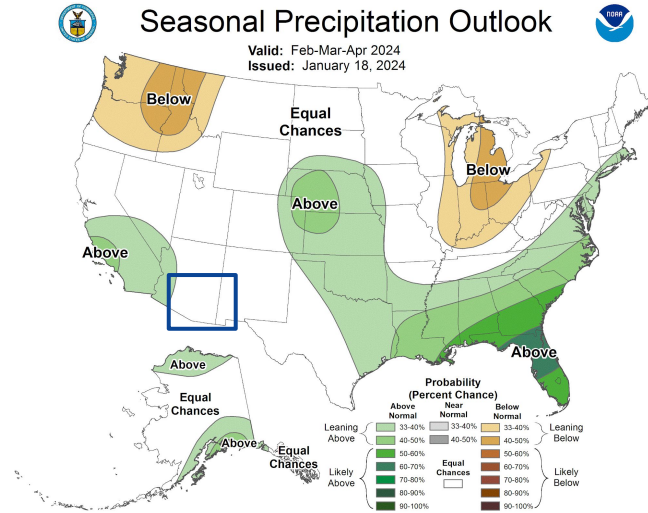
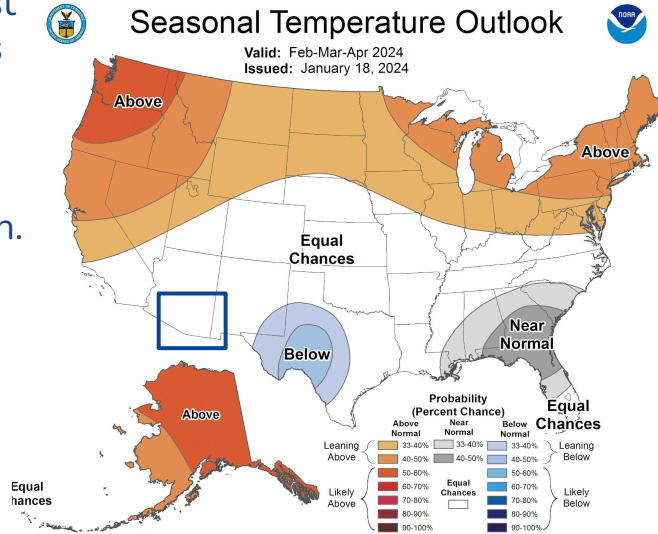


Image Captions:

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

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

Valid January to March 2024



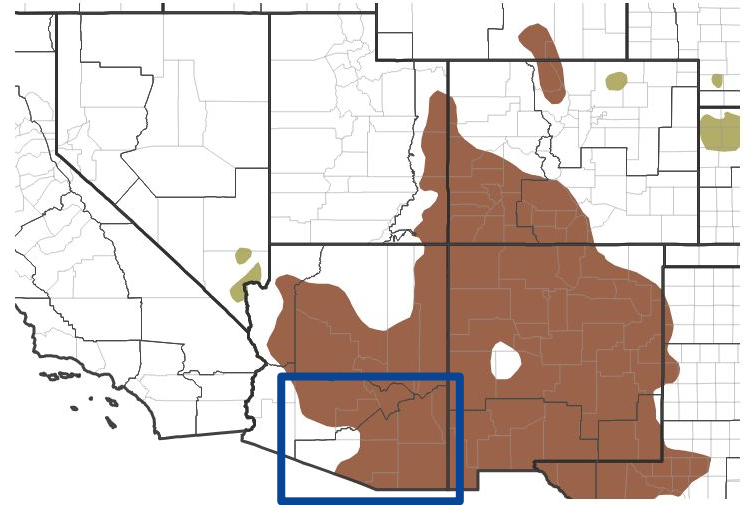


Drought Outlook

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

- Drought conditions are likely to persist into Spring 2024 across most of southeast Arizona.

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...



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

Data Valid: 01/18/24

Image Caption:

Climate Prediction Center Seasonal Drought Outlook Released January 18, 2024 valid for January 18 to April 30, 2024

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



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

National Weather Service
Tucson, AZ