



Drought Information Statement for Northern Arizona

Valid November 22, 2023

Issued By: WFO Flagstaff, AZ

Contact Information: nws.flagstaff@noaa.gov

- This product will be updated December 21, 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/fgz/Drought> for previous statements.

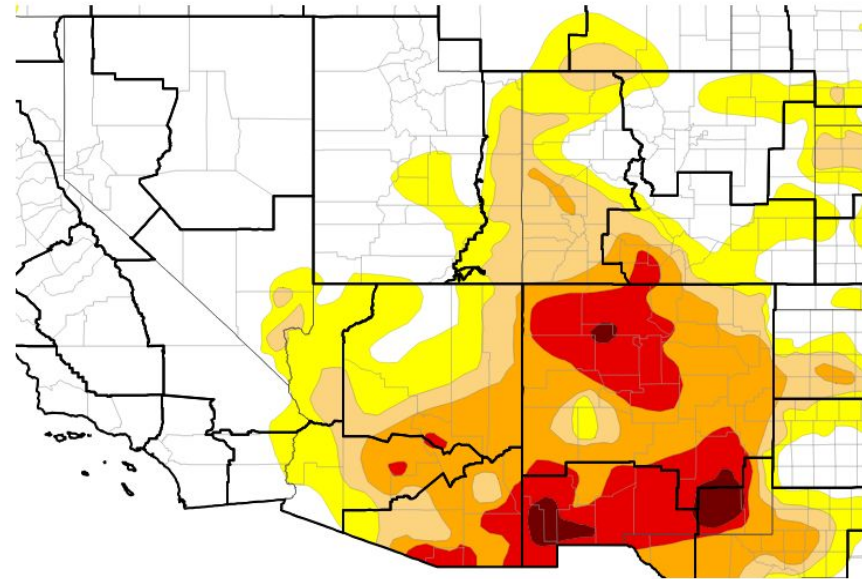




U.S. Drought Monitor

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

- EXTREME DROUGHT CONTINUES IN PARTS OF GILA COUNTY
- Drought intensity and Extent
 - D3 (Extreme Drought): West central Gila County
 - D2 (Severe Drought): Southeast Yavapai, Gila, extreme southern Coconino, southern Navajo, southern Apache counties.
 - D1 (Moderate Drought): Central Yavapai, south central Coconino, south central Navajo, central and northern Apache County.
 - D0: (Abnormally Dry): northern Yavapai, most of Coconino, northern Navajo counties.



U.S. Drought Monitor



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

Data Valid: 11/21/23

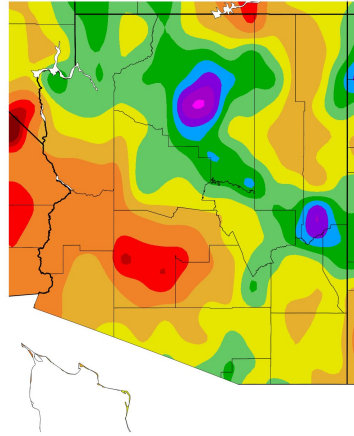




Precipitation

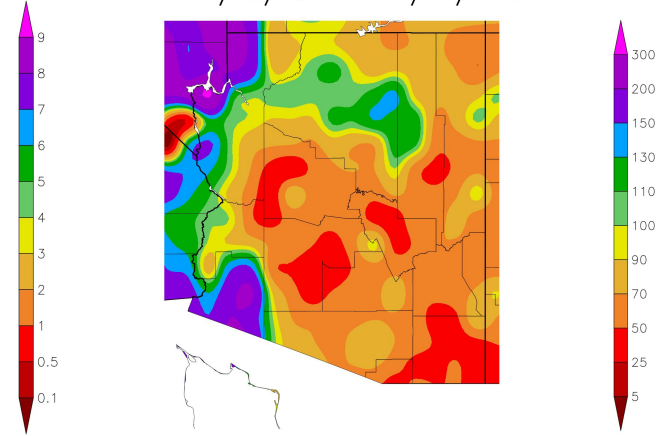
- 120-day rainfall has been less than 50% of normal for western Yavapai and much of Gila County.
- Less than 70% of normal rainfall has fallen since late July over the remainder of Yavapai, Gila, and southern Navajo and Apache Counties.

Precipitation (in)
7/25/2023 – 11/21/2023



Generated 11/22/2023 at HPRCC using provisional data.

Percent of Normal Precipitation (%)
7/25/2023 – 11/21/2023



NOAA Regional Climate Centers at HPRCC using provisional data.

NOAA Regional Climate Centers

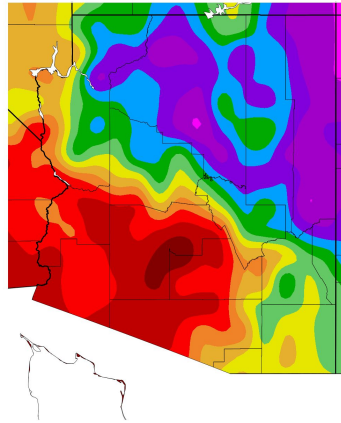




Temperature

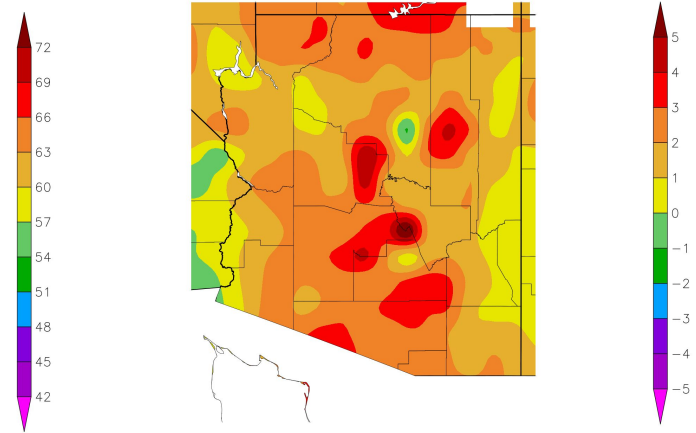
- Most of Arizona was 1-3 degrees warmer than normal over the past 30 days. Portions of eastern Yavapai County were 3-5 degrees warmer than normal.

Temperature (F)
10/23/2023 – 11/21/2023



Generated 11/22/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)
10/23/2023 – 11/21/2023



NOAA Regional Climate Centers 2023 at HPRCC using provisional data.

NOAA Regional Climate Centers





Summary of Impacts

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

Hydrologic Impacts

- Streamflow is much below normal for this time of year in east central and northwest Arizona.

Agricultural Impacts

- Soil moisture is below the 30th percentile in southern Coconino, Navajo, and Apache Counties. Portions of Yavapai and Gila are below the 5th percentile.

Fire Hazard Impacts

- A drier than normal monsoon and fall has left fuels drier than usual for this time of year. This is allowing prescribed fire season to continue across northern Arizona with a few wildfires.

Mitigation Actions

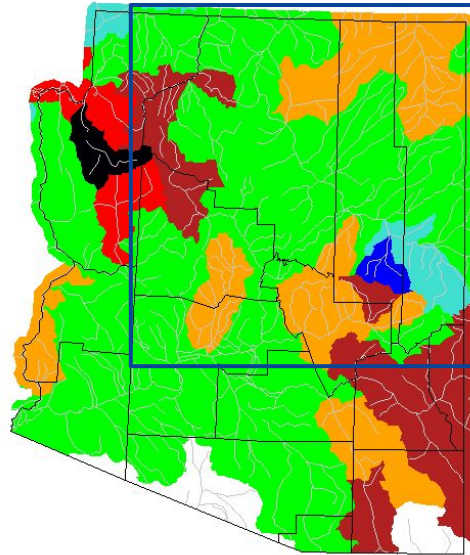
- Please refer to your municipality and/or water provider for mitigation information.





Hydrologic Conditions and Impacts

- Streamflow is well below normal for this time of year in east central and northwest Arizona.



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 November 22, 2023

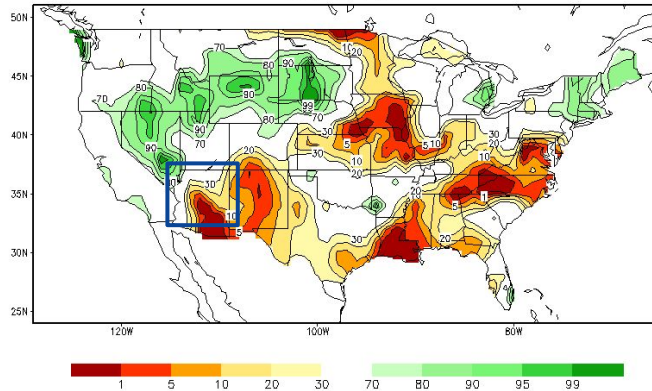




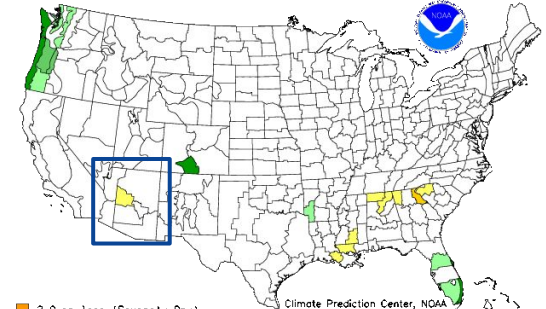
Agricultural Impacts

- Soil moisture is below the 30th percentile in southern Coconino, Navajo, and Apache Counties. Portions of Yavapai and Gila are below the 5th percentile.

Calculated Soil Moisture Ranking Percentile
NOV 21, 2023



Crop Moisture Index by Division
Weekly Value for Period Ending NOV 18, 2023
Short Term Need vs. Available Water in a Shallow Soil Profile



Climate Prediction Center, NOAA

- 3.0 or less (Severely Dry)
- 2.0 to -2.9 (Excessively Dry)
- 1.0 to -1.9 (Abnormally Dry)
- 0.9 to +0.9 (Slightly Dry/Favorably Moist)
- +1.0 to +1.9 (Abnormally Moist)
- +2.0 to +2.9 (Wet)
- +3.0 and above (Excessively Wet)

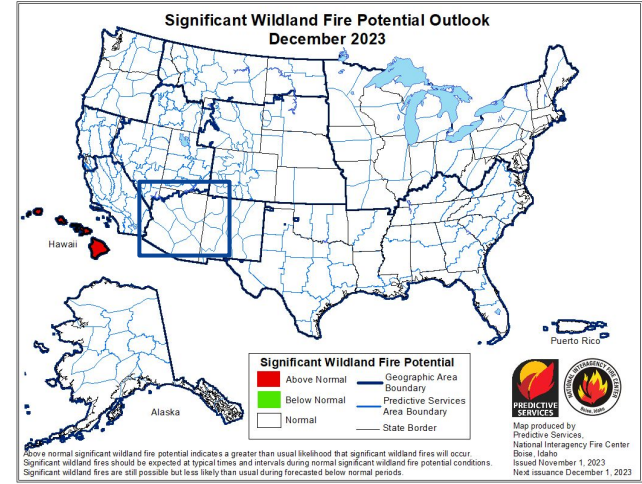
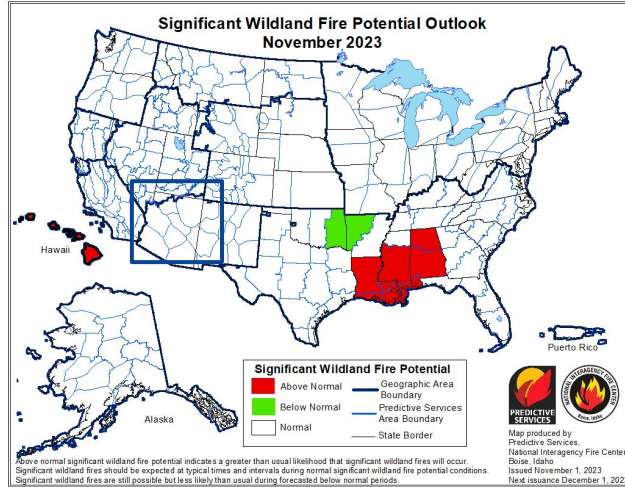




Fire Hazard Impacts

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

- A drier than normal monsoon and fall has left fuels drier than usual for this time of year, and this will persist until significant precipitation occurs. Prescribed fire season continues in northern Arizona with a few wildfires.

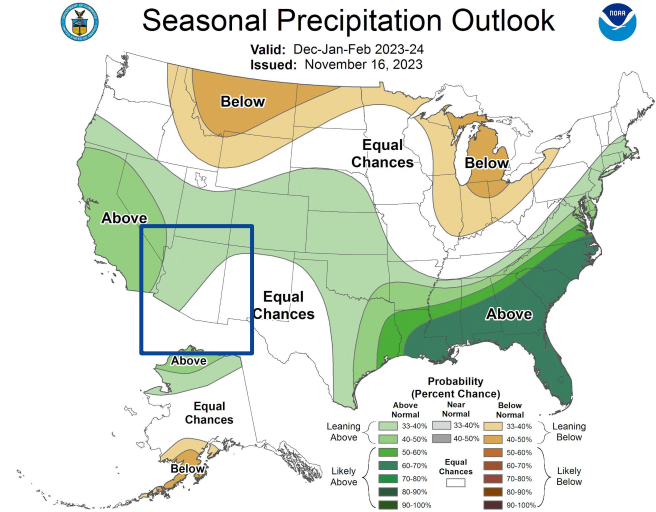
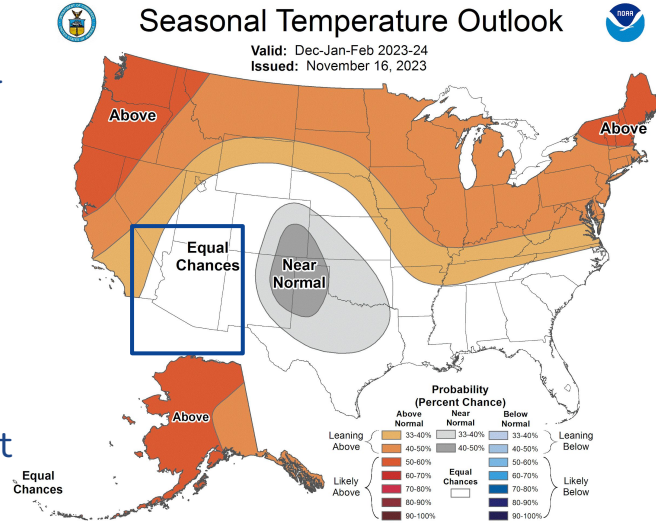




Long-Range Outlooks

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

- The latest outlooks for December 2023 through February 2024 from the Climate Prediction Center indicate equal chances for below, near, and above normal temperatures and precipitation.
- Odds are slightly tilted toward wetter than normal conditions over most of Arizona with the exception of the southeast part of the state.



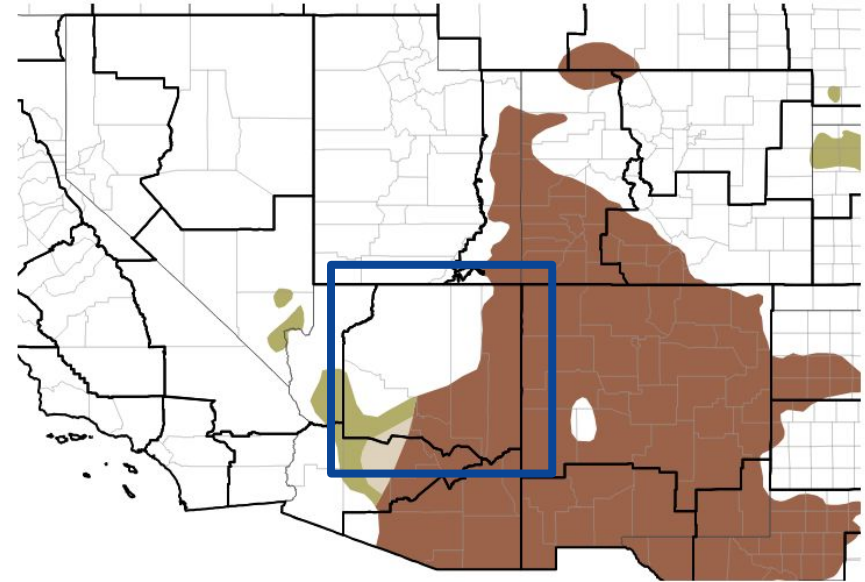


Drought Outlook

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

- Drought conditions are forecast to persist over the southeast half of Arizona through at least January 2024.

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...



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
Flagstaff Arizona