



Drought Information Statement for New Mexico

Valid September, 08, 2023

Issued By: WFO Albuquerque, NM

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

- This product will be updated Sept.,15,2023 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/abq/DroughtInformationStatement> for previous statements.



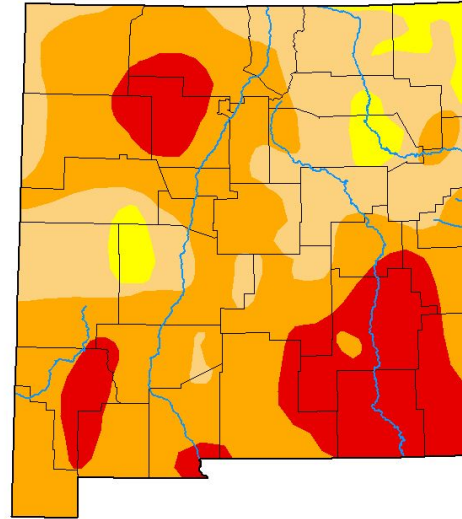


U.S. Drought Monitor

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

- DROUGHT CONDITIONS WIDESPREAD IN NM
- 100% of the state is under D0-D3 conditions.
- Drought intensity and Extent
 - D3 (Extreme Drought): Primarily in southeastern NM with growing areas in southwestern and northwestern NM.
 - D2 (Severe Drought): Widespread in the southern half of NM and extending into the northwestern quadrant of the state.
 - D1 (Moderate Drought): Primarily in northeastern and west central NM with small regions found in central, south central and northwestern NM.
 - D0: (Abnormally Dry): Confined to small areas in northeastern and west central NM.

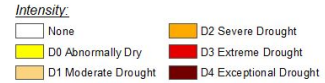
U.S. Drought Monitor New Mexico



September 5, 2023
(Released Thursday, Sep. 7, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	95.45	68.72	19.99	0.00
Last Week 08-29-2023	0.61	99.39	90.24	57.95	14.90	0.00
3 Months Ago 06-06-2023	51.96	48.04	28.16	10.62	0.00	0.00
Start of Calendar Year 01-01-2023	7.03	92.97	41.30	18.55	3.74	0.19
Start of Water Year 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
One Year Ago 09-06-2022	0.91	99.09	87.78	58.35	9.17	0.00



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>

Author:
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

Image Caption: U.S. Drought Monitor valid 8am EDT September 5th.



Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - Drought Worsened: Almost the entire state saw drought conditions worsen in the past four weeks.
 - No Change: Sporadic patches of the state in all quadrants saw drought conditions hold steady in the past four weeks.
 - Drought Improved: No region of the state saw improvements in drought conditions.

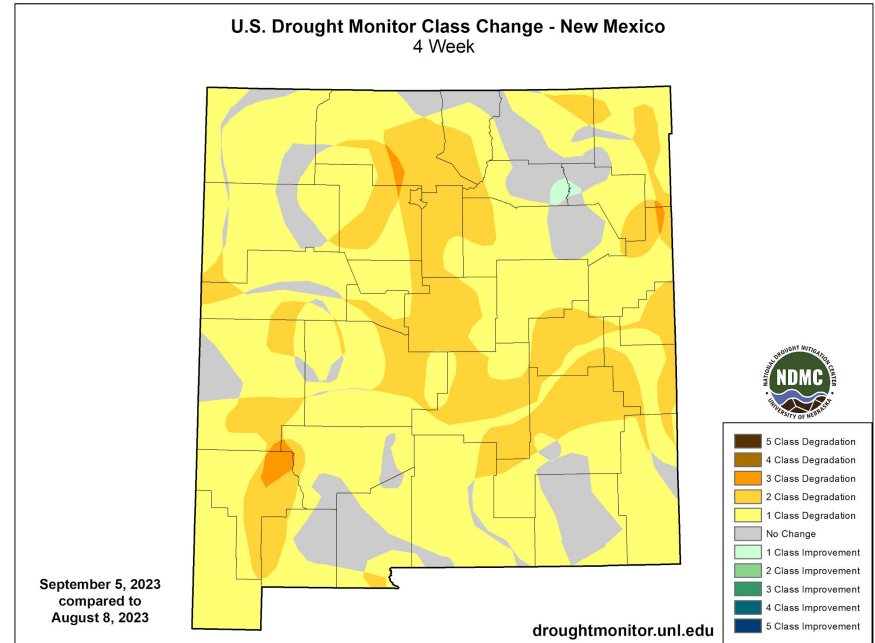


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT September 5th.

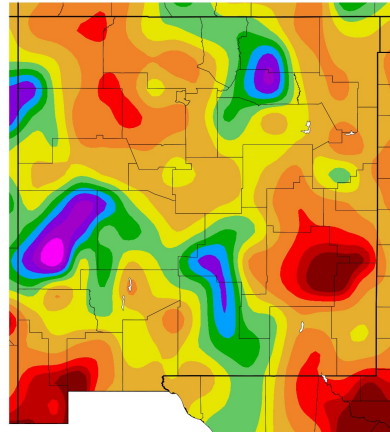




Precipitation

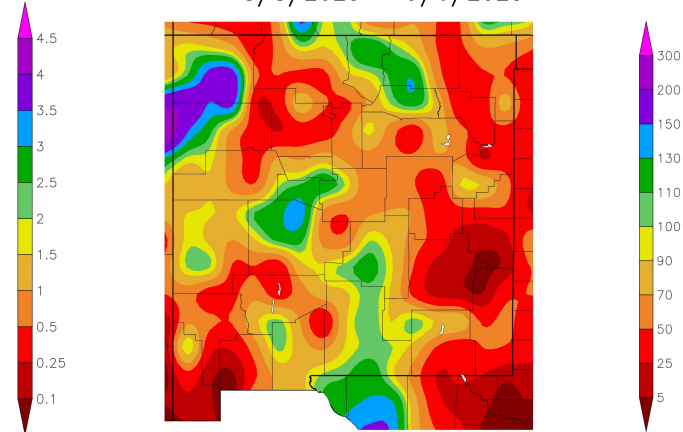
- Apart from isolated regions of focused in the northwest and at higher elevations, NM has seen much below normal precipitation totals in the past month. This follows the driest July on record and is driving the rapid intensification of drought conditions in the state.

Precipitation (in)
8/8/2023 – 9/6/2023



Generated 9/7/2023 at HPRCC using provisional data.

Percent of Normal Precipitation (%)
8/8/2023 – 9/6/2023



NOAA Regional Climate Centers ³ at HPRCC using provisional data.

NOAA Regional Climate

Image Captions:

Left - Precipitation Amount for New Mexico
 Right - Percent of Normal Precipitation for New Mexico
 Data Courtesy High Plains Regional Climate Center.
 Data over the past 30 days ending Sept. 06, 2023

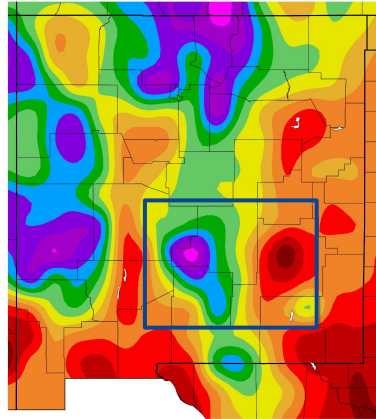




Temperature

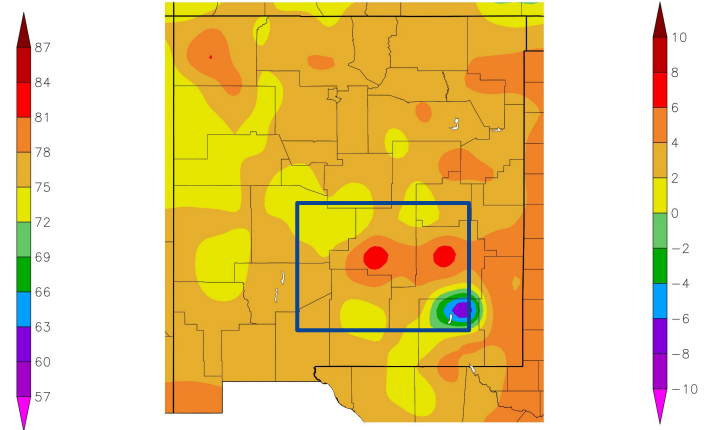
- Temperatures have been remarkably warm throughout state, with most areas showing 2-4 degrees above normal in the last month.

Temperature (F)
8/8/2023 - 9/6/2023



Generated 9/7/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)
8/8/2023 - 9/6/2023



NOAA Regional Climate Centers²³ at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:
Left - Average Temperature
Right - Departure from Normal Temperature
Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending Sept. 08, 2023





Hydrologic Conditions and Impacts

- Despite a record setting snowpack and high flows throughout the early months of 2023, current streamflow conditions across the state are steadily heading towards below and much below normal, indicating a deepening hydrologic drought.

Wednesday, September 06, 2023

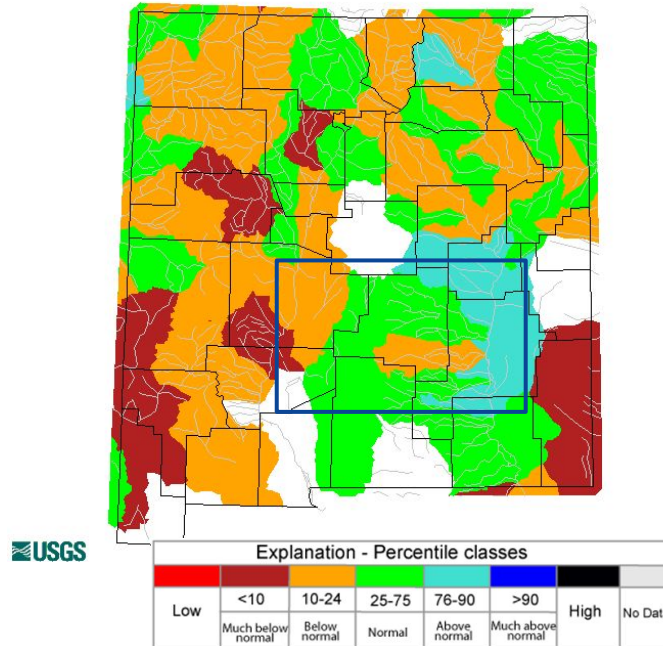


Image Caption: USGS 7 day average streamflow HUC map valid 09 08 2023

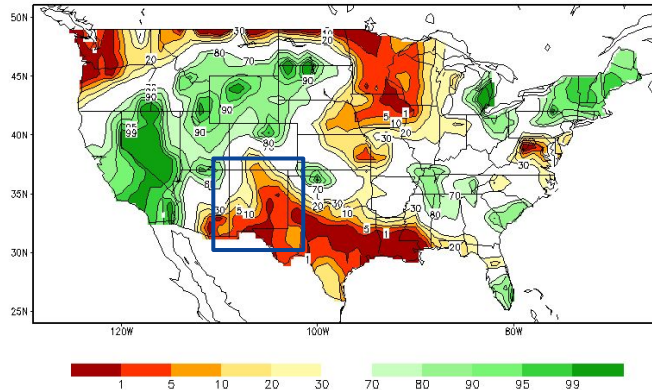




Agricultural Impacts

- Soil moisture conditions are particularly dry in the southern and eastern parts of NM. Crop moisture indices are showing that the eastern half of the state is abnormally to excessively dry.

Calculated Soil Moisture Ranking Percentile
SEP 06, 2023



Crop Moisture Index by Division
Weekly Value for Period Ending SEP 2, 2023
Short Term Need vs. Available Water in a Shallow Soil Profile

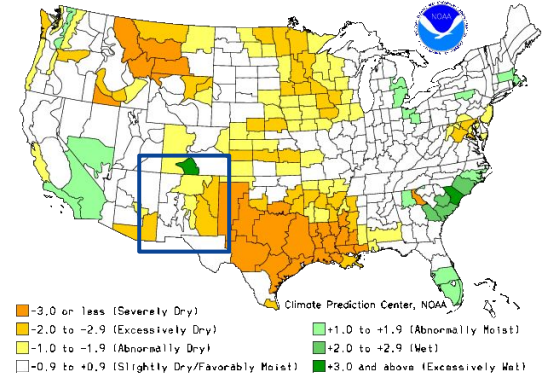


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid Sep 05, 2023

Right: [Crop Moisture Index by Division](#). Weekly value for period ending Sep 02, 2023





Seven Day Precipitation Forecast

- The weather prediction center is calling for some precipitation mostly in the eastern plains and west central NM in the next seven days. This will mostly come in the form of a backdoor cold front bringing moisture in on Sep 11th and Sep 12th before we see a return to dry conditions for the remainder of the week.

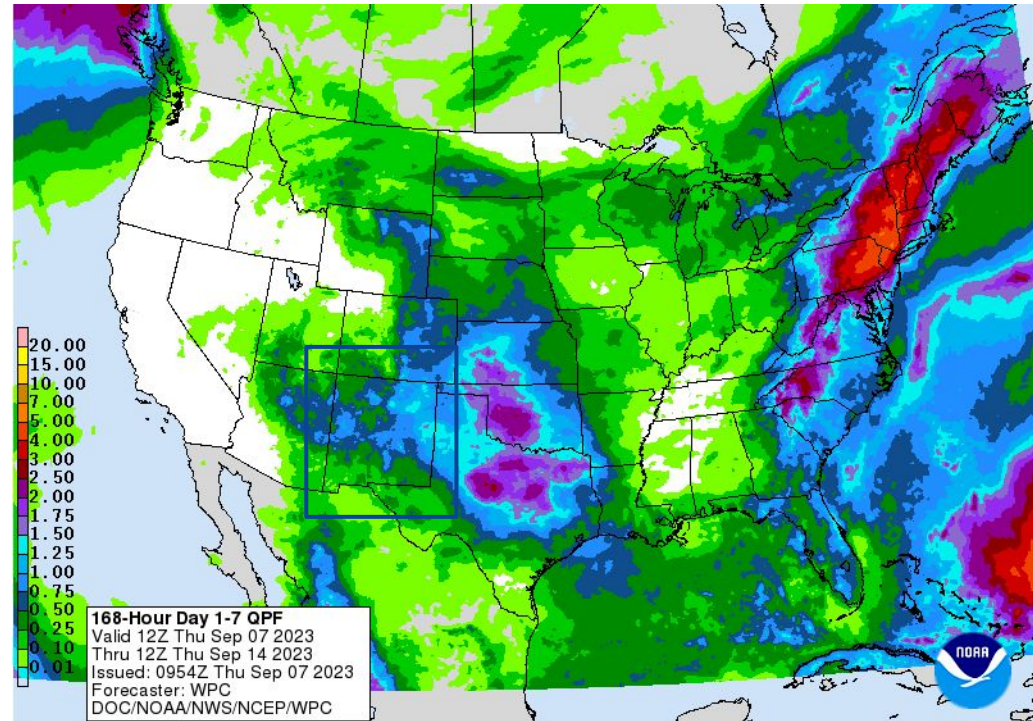


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Thursday Sep 07 to Thursday Sep 14





Long-Range Outlooks

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

- The Climate Prediction Center is calling for increased chances of above normal temperatures throughout the state. They are calling for increased chances of below normal precipitation throughout most of the state, with equal chances for above, below or normal precipitation in the far western edge of NM.

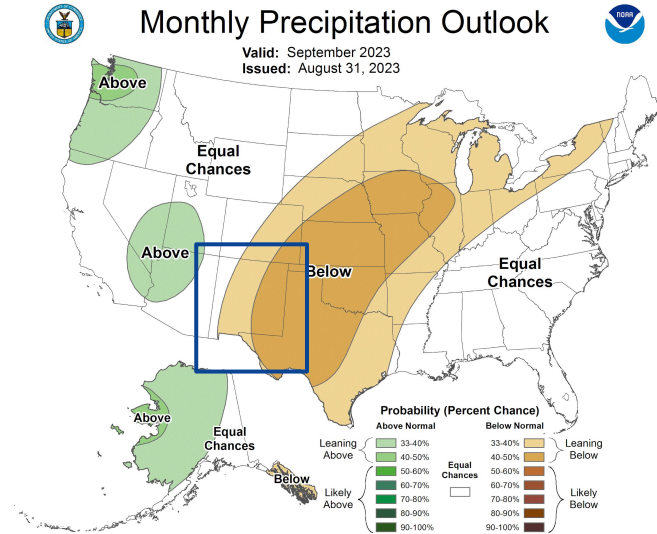
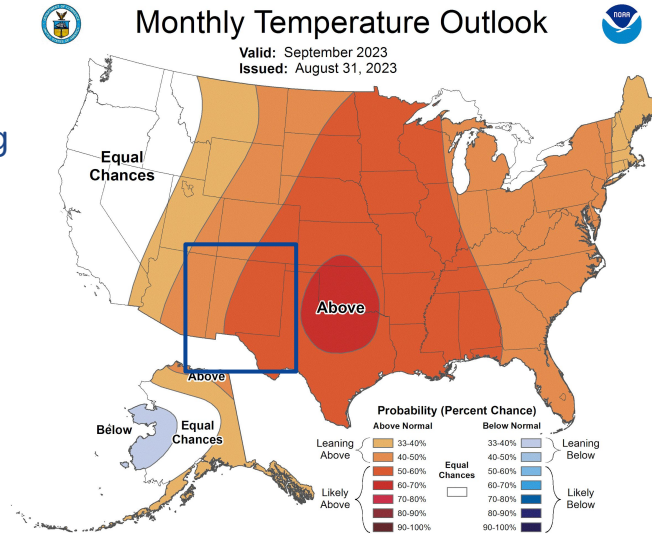


Image Captions:

Left - [Climate Prediction Center Monthly Temperature Outlook](#),

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

Valid MM YYYY





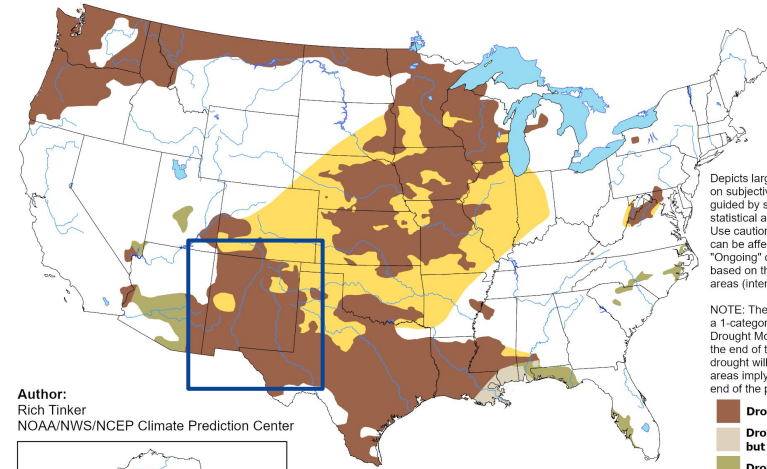
Drought Outlook

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

- Drought conditions are likely to persist or intensify throughout all of New Mexico in the next month.

U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

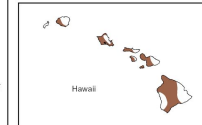
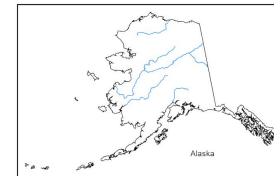
Valid for September 2023
Released August 31, 2023



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. *Ongoing* drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Rich Tinker
NOAA/NWS/NCEP Climate Prediction Center



- Drought persists, but improves
- Drought removal likely
- Drought development likely
- No drought



<https://go.usa.gov/3eZGd>

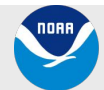
Image Caption:

Climate Prediction Center Monthly Drought Outlook Released MM DD, YYYY valid for MM YYYY

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
Albuquerque, NM