



Drought Information Statement for West Texas & Southeast New Mexico

Valid 06/07/2024

Issued By: WFO Midland/Odessa

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

- This product will be updated July 8, 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/maf/DroughtInformationStatement> for previous statements.



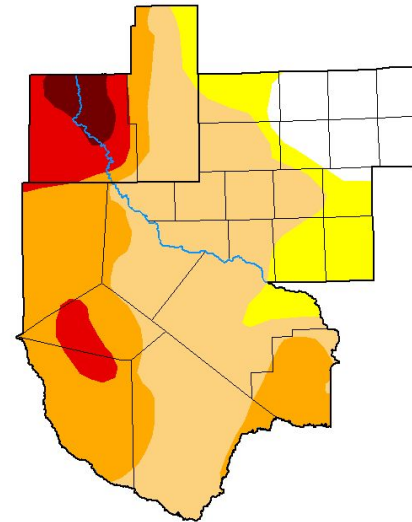


U.S. Drought Monitor

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

- DROUGHT CONDITIONS UNCHANGED FOR WEST TEXAS AND SE NM.
- Drought intensity and Extent
 - D4 (Exceptional Drought): North central Eddy County, NM.
 - D3 (Extreme Drought): Portions of the Davis Mountains as well as Eddy and Lea counties in NM.
 - D2 (Severe Drought): Marfa Plateau, Culberson County and portions of Eddy and Lea counties as well as much of Terrell County.
 - D1 (Moderate Drought): Davis Mountain Foothills, western portions of the Permian Basin and much of Brewster County.
 - D0: (Abnormally Dry): Eastern portions of the Permian Basin and Lower Trans Pecos

U.S. Drought Monitor Midland/Odessa, TX WFO



June 4, 2024
(Released Thursday, Jun. 6, 2024)
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0	D1	D2	D3	D4
Current	10.89	11.24	41.88	26.07	7.45	2.48
Last Week 05-28-2024	10.89	11.24	41.88	26.07	7.45	2.48
3 Months Ago 03-05-2024	7.17	25.59	34.12	21.57	5.31	6.24
Start of Calendar Year 01-01-2024	13.72	25.95	26.91	21.74	5.45	6.24
Start of Water Year 09-26-2023	0.00	5.05	30.07	32.49	23.81	8.58
One Year Ago 06-06-2023	6.15	43.86	17.64	31.12	1.23	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

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:
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CPC/NOAA



Image Caption: U.S. Drought Monitor valid 8am EST June 6th.



Recent Change in Drought Intensity

Link to the latest [1-week change map](#) for [region]

- One Week Drought Monitor Class Change.
 - No changes in the last week.

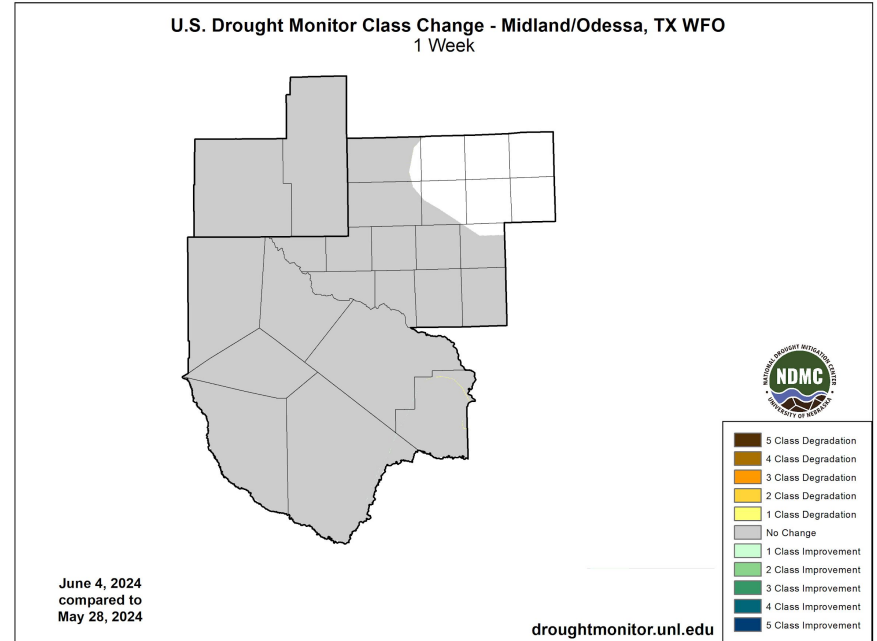


Image Caption: U.S. Drought Monitor 1-week change map valid 8am EST June 4th.

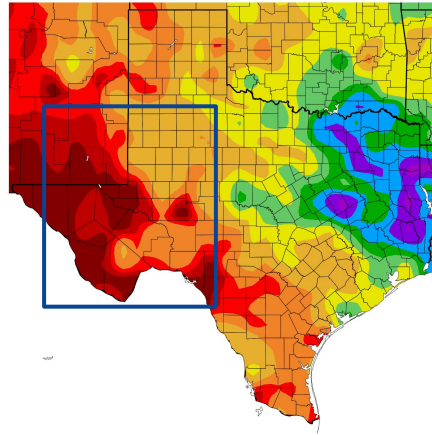




Precipitation

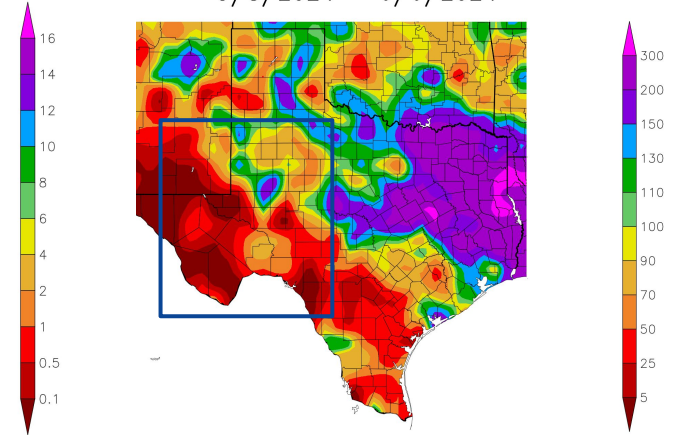
- Little precipitation fell over areas west of the Pecos River for much of May and into early June. Across much of the Permian Basin saw well above normal precipitation for the month of May. However, more precipitation will be needed to greatly improve drought conditions.

Precipitation (in)
5/8/2024 – 6/6/2024



Generated 6/7/2024 at HPRCC using provisional data.

Percent of Normal Precipitation (%)
5/8/2024 – 6/6/2024



NOAA Regional Climate Centers at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:
Left - Precipitation Amount for West Texas and SE NM
Right - Percent of Normal Precipitation for West Texas and SE NM
Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending June 6, 2024

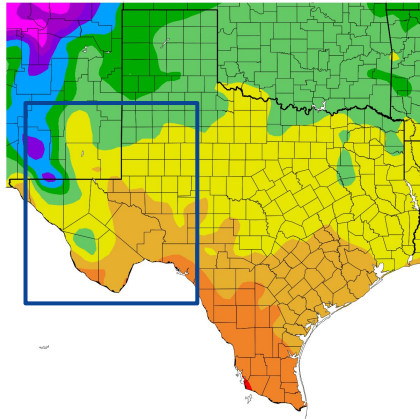




Temperature

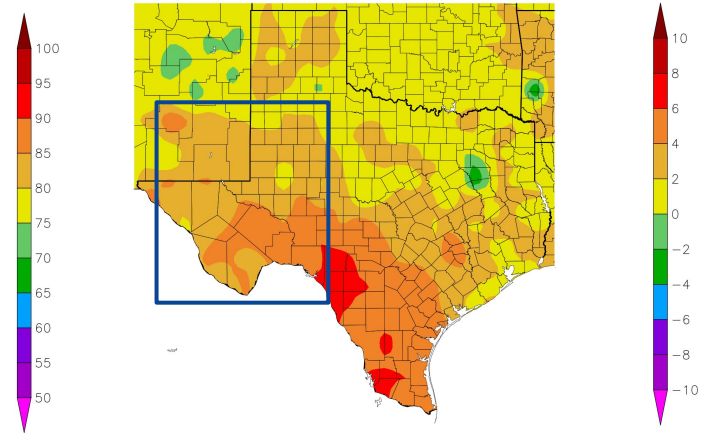
- The heat has started to turn on over the course of the last month, especially heading into early June. Temperatures areawide are between 2-4 degrees above normal, in general with little relief expected for the rest of June.

Temperature (F)
5/8/2024 - 6/6/2024



Generated 6/7/2024 at HPRCC using provisional data.

Departure from Normal Temperature (F)
5/8/2024 - 6/6/2024



NOAA Regional Climate Centers ²⁴ 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 June 6, 2024





Summary of Impacts

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

Hydrologic Impacts

- Most area rivers and tributaries remain near baseflow. Area reservoirs are at 48.2% conservation capacity. See next page for more details.

Agricultural Impacts

- Per Agrilife Texas A&M [Crop and Weather Report](#), some rainfall slightly improved soil and planting conditions. Winter wheat was grazed out or baled for hay. Corn and melons with ample irrigation were coming along. Livestock in fair condition, but food and water were still supplemented.

Fire Hazard Impacts

- Near critical to critical fire weather days remain possible as low humidities and hotter temperatures will be persistent. Generally lighter winds heading into the summer reduce the threat for spreading fire.

Other Impacts

- There are no known impacts at this time.

Mitigation Actions

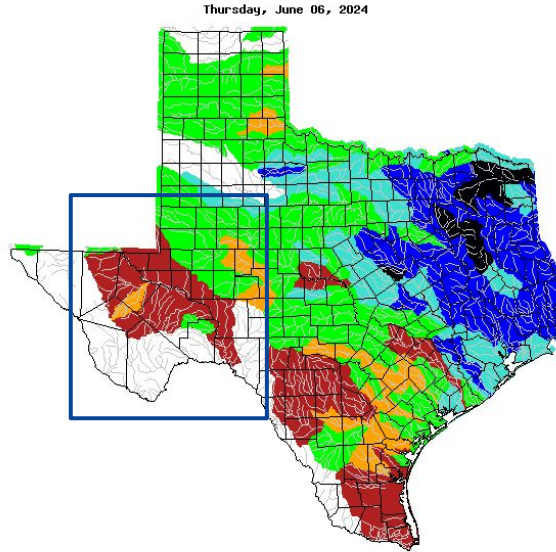
- Please refer to your municipality and/or water provider for mitigation information.





Hydrologic Conditions and Impacts

- The Pecos and Rio Grande Basins are much below normal.
- The Toyah Creek and North Conchos basins are below normal.
- All other basins are normal.
- [Midland Monthly Hydrology Report for April](#)
- [May Rainfall](#)



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 streamflows for Texas](#), valid 6 June 2024

Reservoir	Pool Elevation	Current Elevation	% Full
JB Thomas	2258.00	2225.99	19.9
Colorado City	2070.20	2056.78	46.4
Champion Creek	2083.00	2068.47	56.2
Natural Dam Salt Lake	2457.00	2447.29	48.4
Moss Creek	2337.00	2332.17	79.0
Brantley	3256.70	3249.00	59.0
Avalon	3177.40	3173.78	37.0
Red Bluff	2827.40	2811.88	40.0

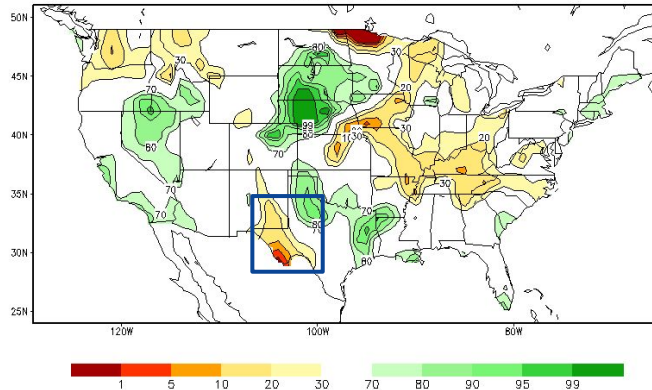




Agricultural Impacts

- Soil moisture continues to rank below the 10-20th percentiles across much of West Texas and SE NM with the worst conditions over the Marfa Plateau and along the Rio Grande.
- During the past month, crop moisture has become noted as being excessively dry as below normal precipitation has occurred.

Calculated Soil Moisture Ranking Percentile
JUN 04, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending JUN 1, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile

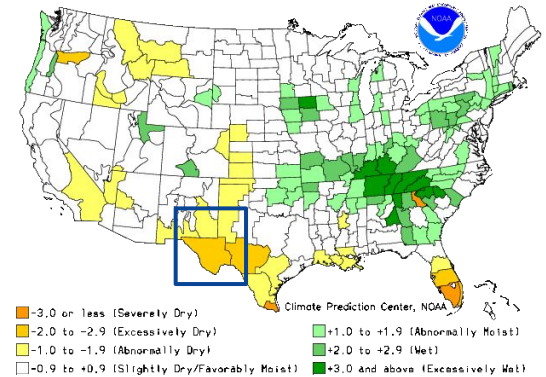


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid June 04, 2024

Right: [Crop Moisture Index by Division](#). Weekly value for period ending June 01, 2024

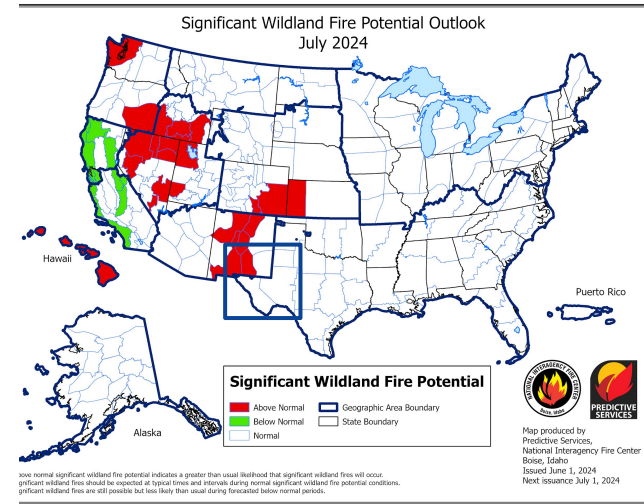
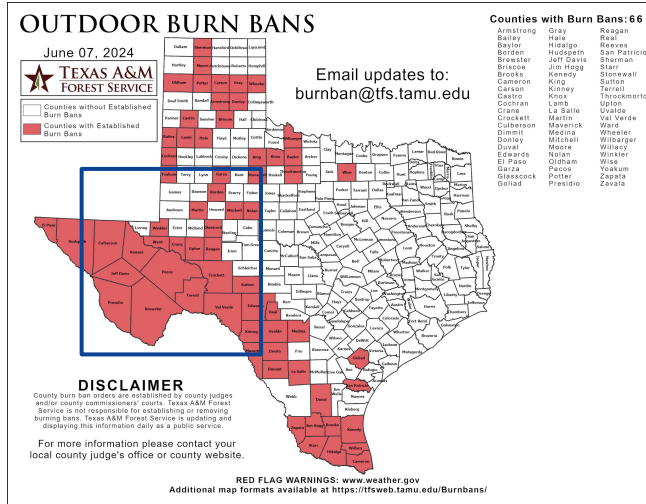




Fire Hazard Impacts

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

- The potential for significant fires across the region is near normal as winds generally decrease for the summer months. However, hotter temperatures and lower relative humidity will continue to play a role.
- As mentioned before, fuels are not plentiful across much of SE NM and West Texas and will lessen fire hazard impacts even on days with more favorable fire weather conditions.



Latest TX Burn Ban map available [here](#).

Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for July 2024





Seven Day Precipitation Forecast

- Sparse precipitation is expected across the region over the next week with the Permian Basin likely benefitting the most from any rain that does fall.
- Rain is possible over the next few to several days over the Davis Mountains and areas west as a monsoon-like pattern takes shape.

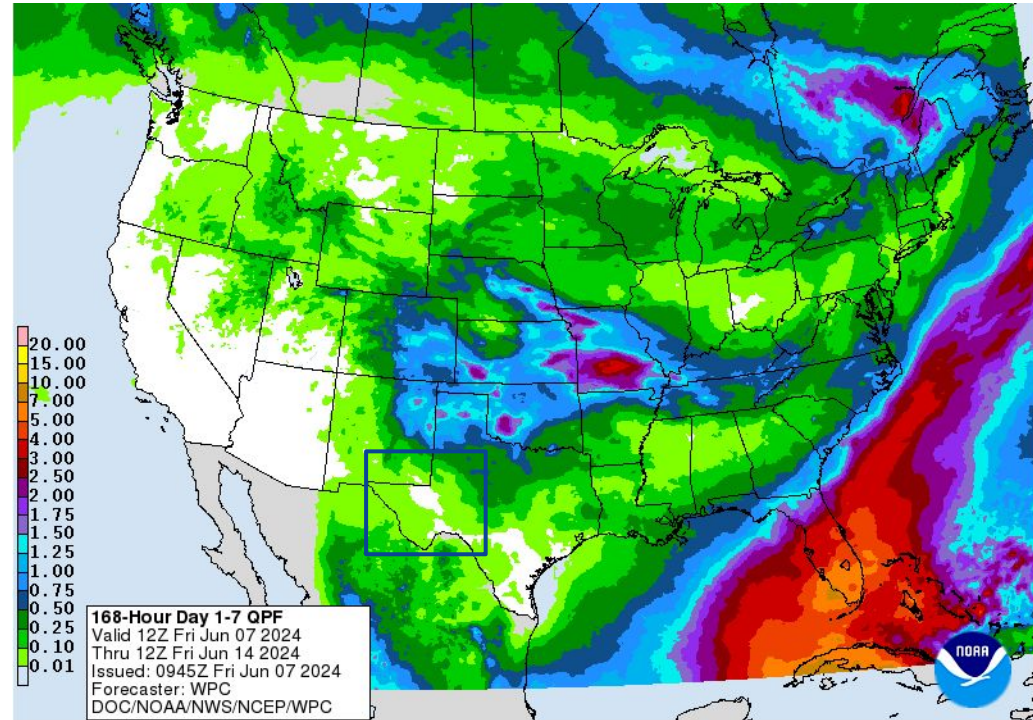


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Friday June 07 to Friday June 14





Drought Outlook

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

- Much like May, June is another rainy month for parts of West Texas and SE NM, but it comes in the form of isolated to scattered storms and thus remains too inconsistent to drastically alleviate drought concerns.

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

Valid for June 2024
Released May 31, 2024

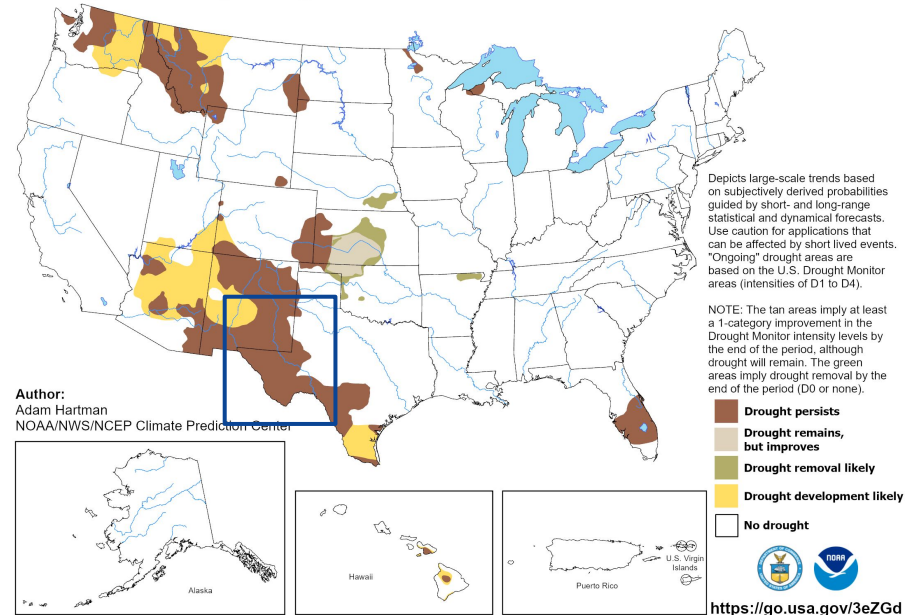


Image Caption:

Climate Prediction Center Monthly Drought Outlook Released 05 31, 2024 valid for 06 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
Midland/Odessa