



Hudspeth County Drought Situation

Prepared by: NWS El Paso

Date: August 14, 2023



Hudspeth County Overview

- Monsoon season has been dominated by excessive heat and a rainfall deficit.
- Drought conditions continue to worsen county wide.
- Severe drought conditions exist on both sides of the county (and will likely expand into Hudspeth county in the coming weeks).
- While the county has seen periodic rainfall episodes during the monsoon season to date, activity has been isolated, leaving many areas with a rainfall deficit.
- Approximately 60% of the county has received 50% or less of normal monsoon rainfall through July 31st.



Drought Situation (Moderate Drought)

Current Drought Status vs. Drought Status Beginning of Monsoon Season

Hudspeth County, TX

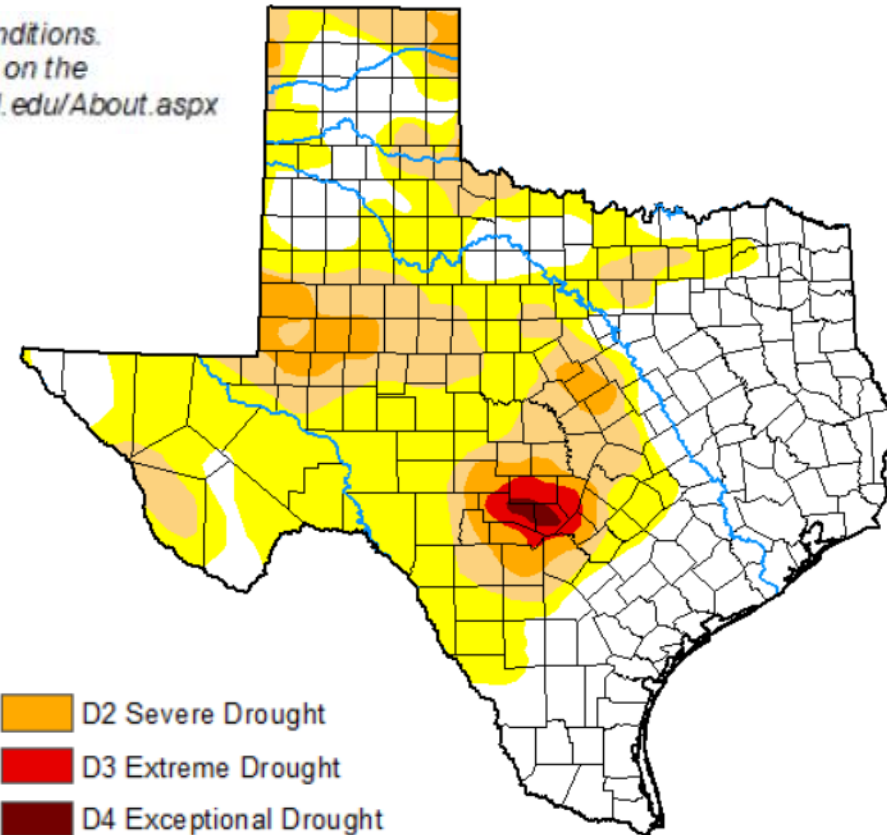
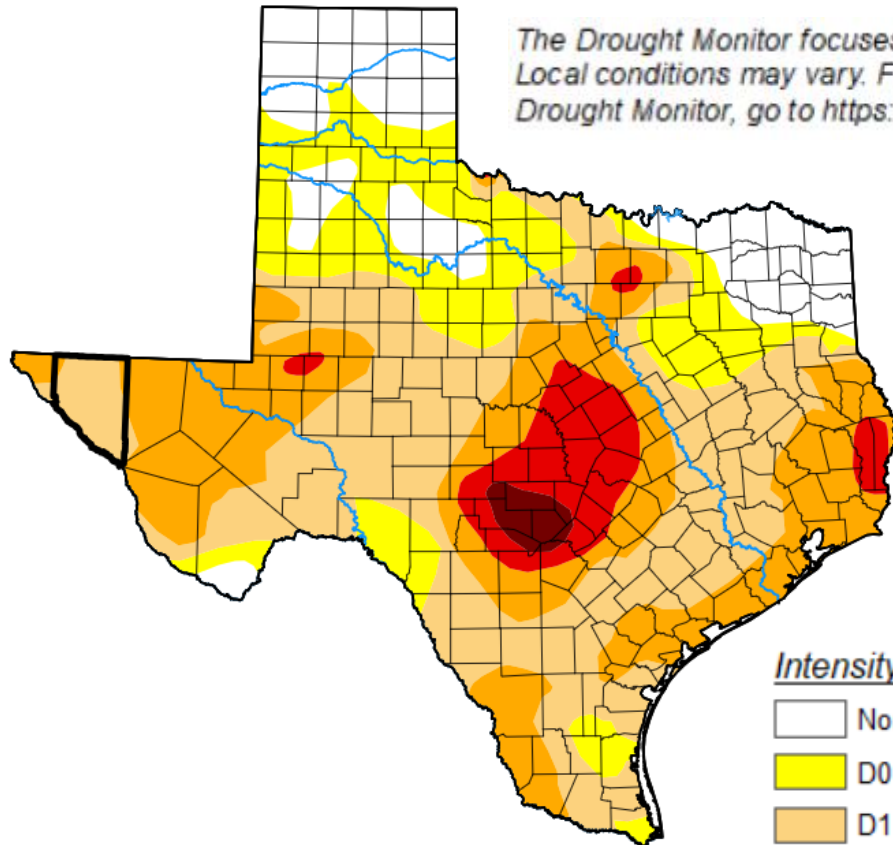
Map released: Thurs. August 10, 2023

Data valid: August 8, 2023 at 8 a.m. EDT

(Released Thursday, Jun. 15, 2023)

Valid 8 a.m. EDT

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>



Intensity:

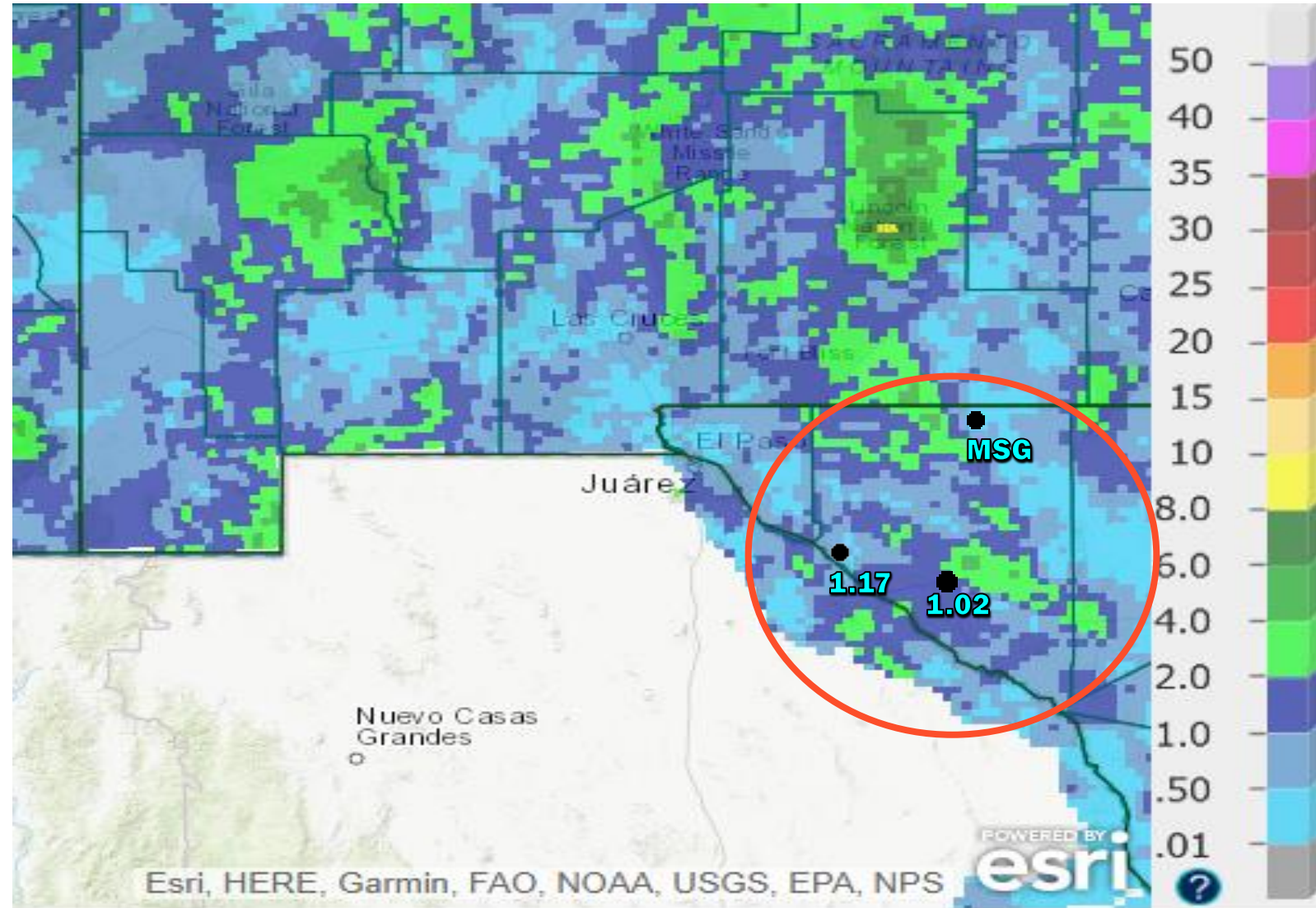
- | | |
|---------------------|------------------------|
| None | D2 Severe Drought |
| D0 Abnormally Dry | D3 Extreme Drought |
| D1 Moderate Drought | D4 Exceptional Drought |



Radar Rainfall Estimate (June 1 – July 31)

Key Messages:

- Rainfall ranged from less than 0.10" to as much as 2.00" in isolated locations.
- Most areas received 1.00" precipitation or less.
- *Note: Only 3 reliable observation points are available across Hudspeth county (and the Dell City mesonet failed to report precipitation during this time frame.*

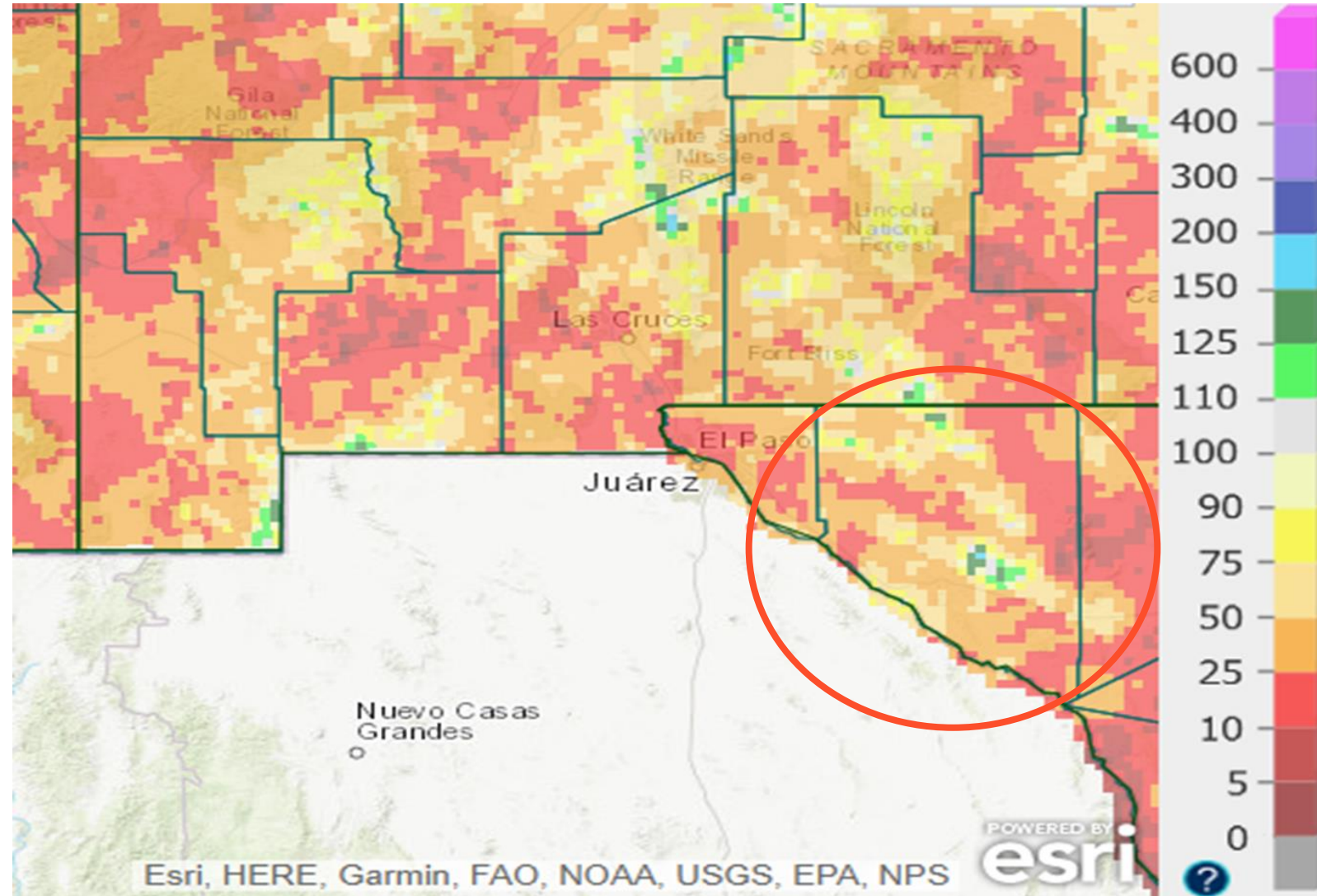




% of Normal Radar Estimate (June 1 – July 31)

Key Messages:

- 90% of Hudspeth county saw below normal rainfall for the first part of the monsoon season
- Only 10% of the county had normal or above rainfall (this came from one or two isolated storms).
- Approximately 60% of the county experienced 50% or less normal precipitation through the period.





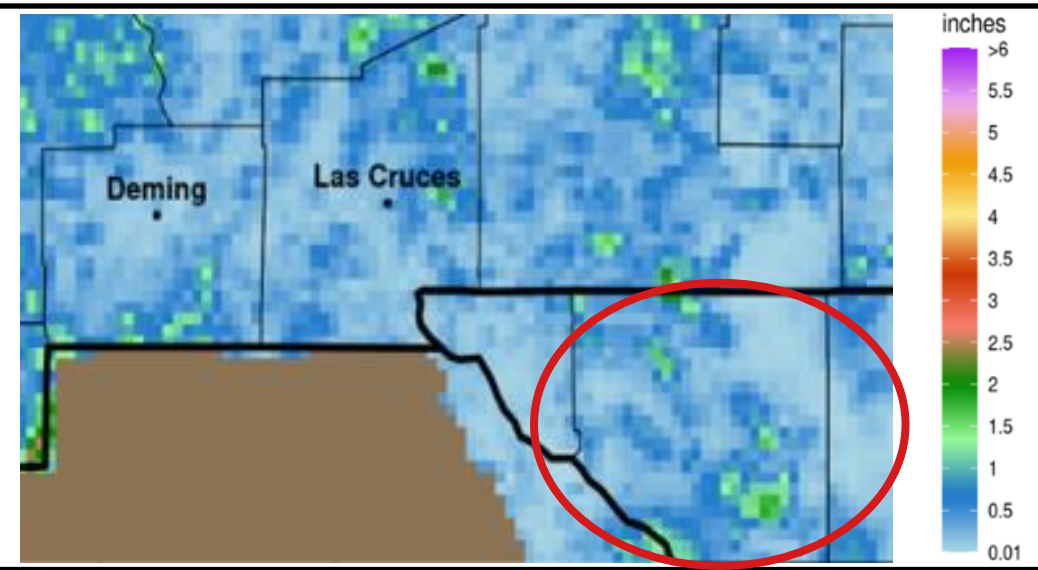
Additional Rainfall Data (Radar Derived)



Data Courtesy of CLIMAS (University of Arizona)

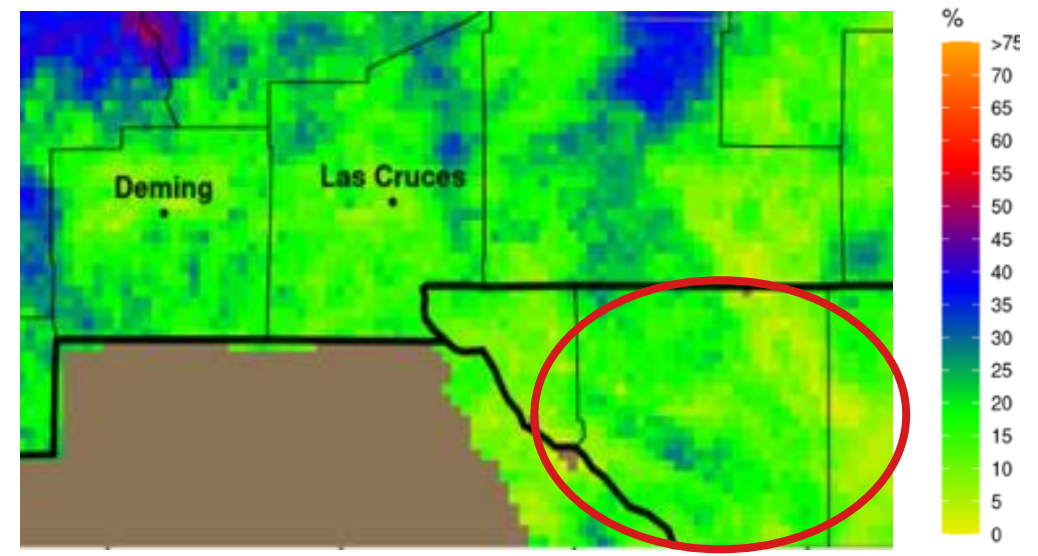
Max 1-day Precipitation (in.): 2023-06-15 to 2023-08-02

- On days when it rained, most areas of Hudspeth county received 0.50" or less.
- Isolated locations managed to get a heavy thunderstorm or two resulting in daily rain of 1" to 2". *(Note: Much of this localized heavy rainfall resulted in rapid runoff, thus very little remained for local use.)*



Percent of days with rain (>0.01 in): 2023-06-15 to 2023-08-02

- Most of the county has seen 6 days or less (10%) of measurable rainfall (>0.01") since the start of the monsoon.
- This equates to approximately 75% of the monsoon days so far this season experiencing either zero or Trace amounts of rainfall through the first part of the monsoon season.



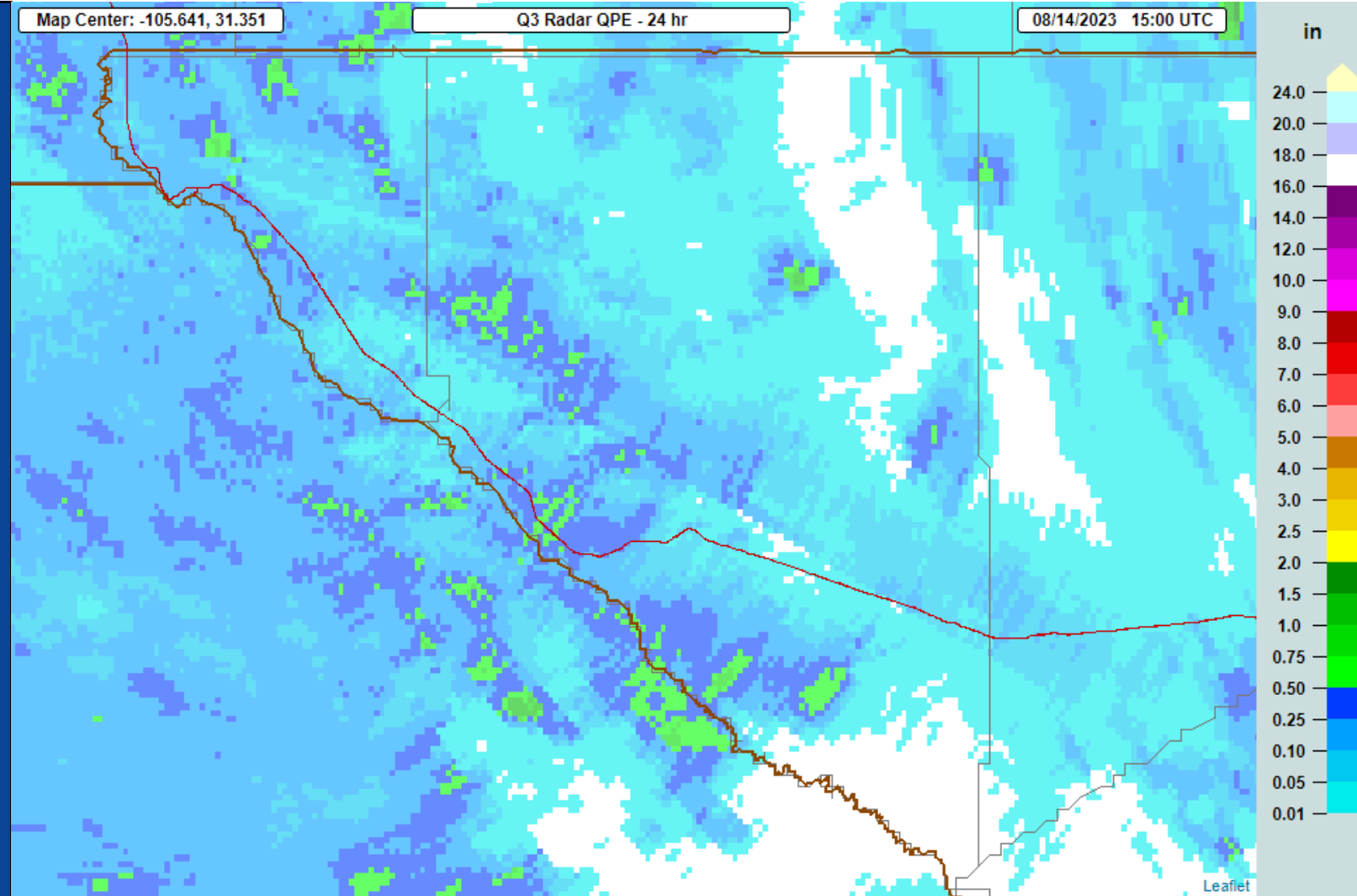


24 Hour Rainfall (8am Sunday thru 8am Monday)

County Wide Rainfall Event (Aug 13-14)

Radar Rainfall Estimate:

- Radar estimates a large area of steady light rain fell across the county overnight from 8/13 into 8/14.
- Most areas only saw 0.01 to 0.05" of rainfall.
- Isolated locations (in green) managed to pick up between 0.50" & 0.75" of rain overnight.



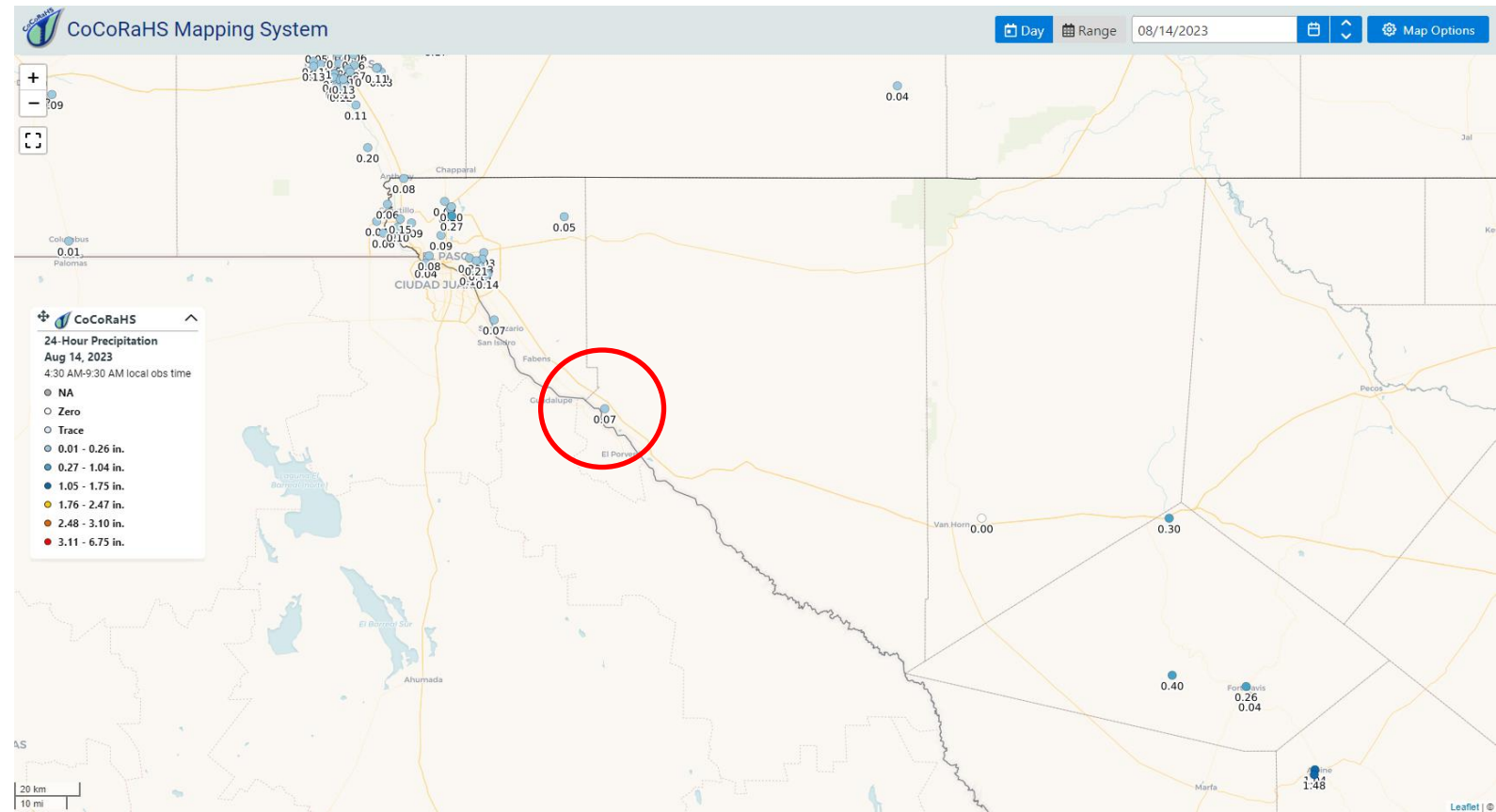


24 Hour Rainfall (8am Sunday thru 8am Monday)

County Wide Rainfall Event (Aug 13-14)

CoCoRaHS Reports:

- Only 1 report came in from volunteer CoCoRaHS participants across Hudspeth County.
- A CoCoRaHS report of 0.07" came from Acala.
- Please consider becoming a CoCoRaHS observer to help the NWS and NOAA better assess drought conditions across Hudspeth county.





CoCoRaHS Info

CoCoRaHS stands for “Community Collaborative Rain, Hail, & Snow Network”. CoCoRaHS is a unique, non-profit, community-based network of volunteers of all ages and backgrounds working together to measure and map precipitation (rain, hail and snow).

It is easy to become a part of this ever growing network of local precipitation observers. All you really need is a reliable rain gauge and a desire to share your data.

Here is the link to sign up if interested:

<https://cocorahs.org/Content.aspx?page=application>

For local CoCoRaHS info, you can contact the NWS El Paso CoCoRaHS point of contact, Connor Denhardt

connor.dennhardt@noaa.gov



WANTED!

**VOLUNTEERS OF ALL AGES
TO HELP SCIENTISTS STUDY STORMS**

Measure precipitation in your own backyard with CoCoRaHS!

The **Community Collaborative Rain, Hail and Snow Network (CoCoRaHS)** needs you! Everyone can participate, both young, old, and in-between. The only requirements are an enthusiasm for watching and reporting weather conditions and a desire to learn more about how weather can affect and impact our lives.



CoCoRaHS needs your help !



To learn more or to become a volunteer observer, please visit our web site at:

www.cocorahs.org

Funding for
CoCoRaHS
provided by:





US Drought Monitor

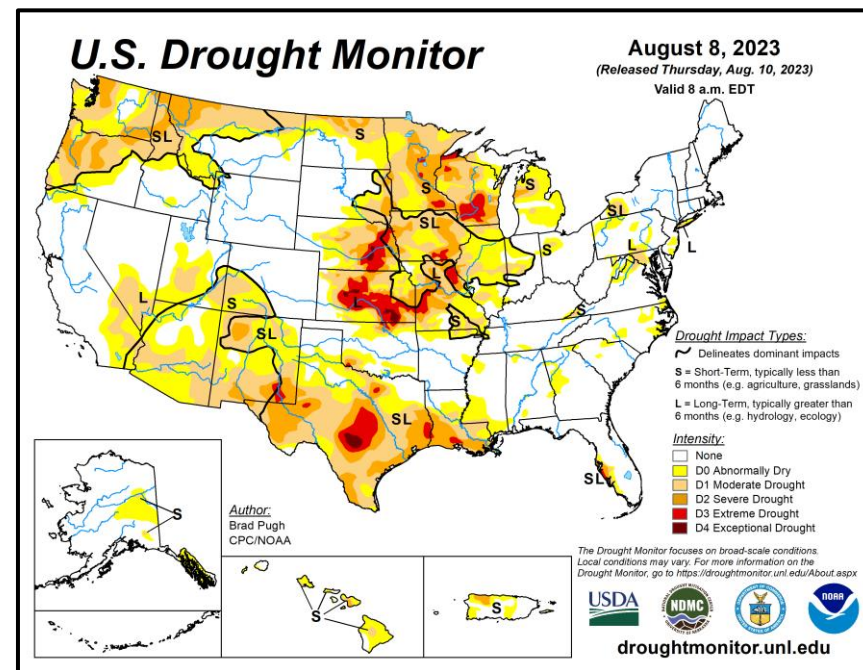
Public Input Helps Make the Drought Monitor Better

What is the US Drought Monitor?

The U.S. Drought Monitor (USDM) is a map released every Thursday, showing where drought is and how bad it is across the U.S. and its territories. The map uses six classifications: normal conditions, abnormally dry (D0), showing areas that may be going into or are coming out of drought, and four levels of drought: moderate (D1), severe (D2), extreme (D3) and exceptional (D4).

Did you know that you can report a “Condition Monitoring Observer Report” directly to the Drought Monitor? Here is the link...

<https://droughtimpacts.unl.edu/Tools/ConditionMonitoringObservations.aspx>



Category	None	D0	D1	D2	D3	D4
Description	Normal or wet conditions	Abnormally Dry	Moderate Drought	Severe Drought	Extreme Drought	Exceptional Drought



NWS El Paso Contact Information

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