

**EcoKai Environmental, Inc.**

March 4, 2025  
via email

Ms. Genell Hobbs  
General Manager  
Kinney County Groundwater Conservation District  
Brackettville, TX 78882

**SUBJECT: NOAA's National Integrated Drought Information System February & March 2025**

Ms. Hobbs,

This memorandum transmits EcoKai's preliminary summary of the National Oceanic and Atmospheric Administration's (NOAA) National Integrated Drought Information System (NIDIS) data for February and March 2025 in Kinney County Texas.

The report highlights current drought conditions and metrics and does not forecast an immediate change in drought status. The historical conditions charts for Kinney County indicate that sustained periods of drought have been part of the County's regional history for hundreds of years.

The data can be accessed via the following link: <https://www.drought.gov/states/texas/county/kinney>

If you have any questions regarding this information, or if I can be of any additional assistance, please call me on my cellular at (432) 235-0498.

Respectfully



Jim Burton, PE  
President / CEO – EcoKai

Attach: NOAA/NIDIS – Drought Conditions February & March 2025



# National Integrated Drought Information System

## **Kinney County Texas**

February / March 2025



EcoKai



# Drought.gov

National Integrated Drought Information System



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## Drought Conditions for Kinney County

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### 3,598

people in Kinney County are affected by drought

— No change since last week

— No change since last month

### 100%

of people in Kinney County are affected by drought

— No change since last week

— No change since last month

### 66th

wettest January on record, over the past 131 years

↓ 0.33

inches from normal

### 66th

wettest year to date over the past 131 years (January 2025)

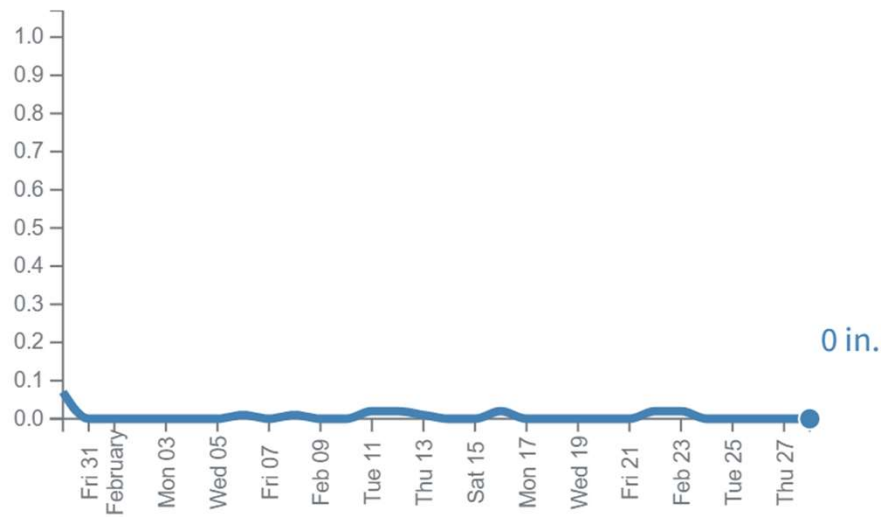
↓ 0.33

inches from normal

[Learn more about these stats](#)

## Precipitation (Total)

— Data Available  
- - - No Data Available



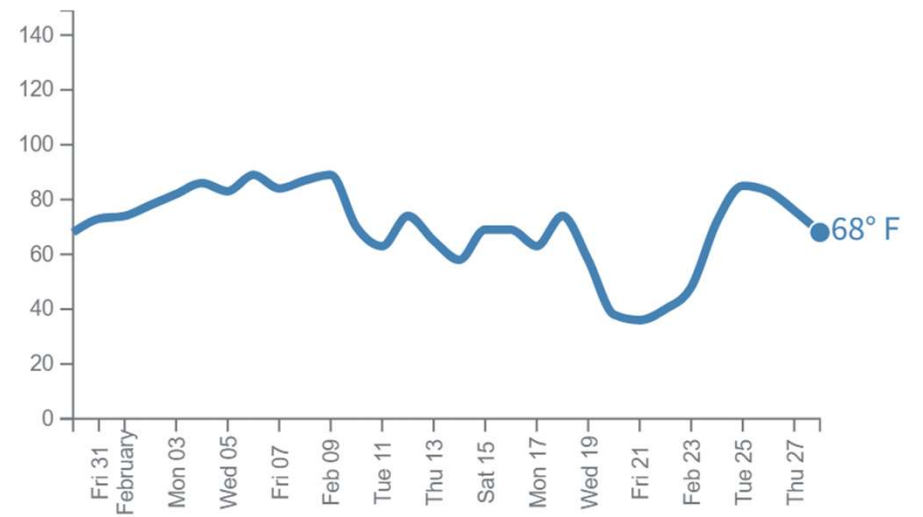
Total 7-day precipitation: **0.04 in.** ↑ **0.02 in.** since last week.

Data Valid: 02/28/2025

[Learn more about these data](#)

## Temperature (Maximum)

— Data Available  
- - - No Data Available



Avg. 7-day max temperature: **67° F.** ↑ **9° F** since last week.

Data Valid: 02/28/2025

[Learn more about these data](#)

### U.S. Drought Monitor

02/25/2025 - Updated Weekly

### Precipitation (60 day)

02/28/2025 - Updated Weekly

### Palmer Drought Severity Index

02/24/2025 - Updated Weekly

### Streamflow (Closest Ranked Gauge)

03/01/2025 - Updated Daily

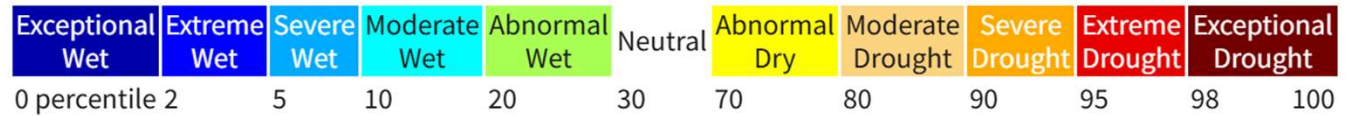
Severe Drought

Abnormal Dry

Moderate Drought

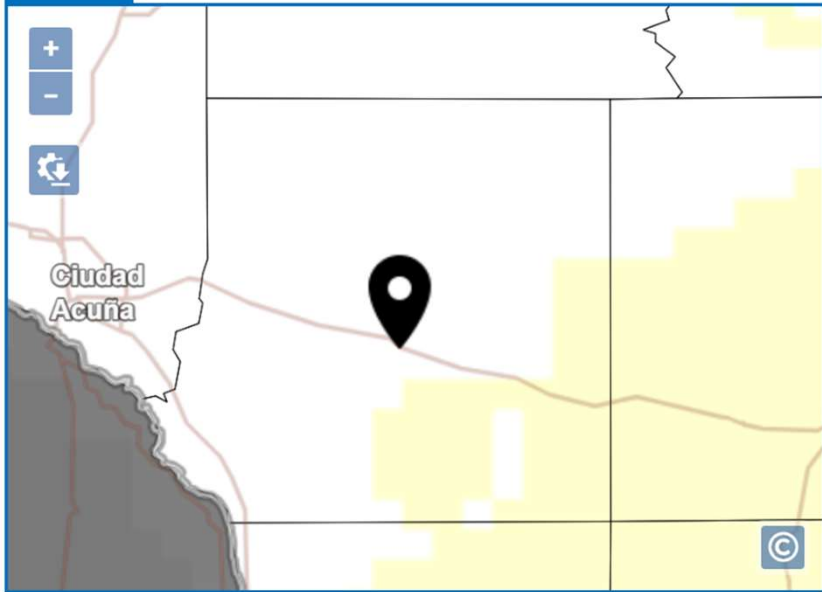
Abnormal Dry

For maps and detailed analysis, visit the [Climate Toolbox Water Watcher](#)



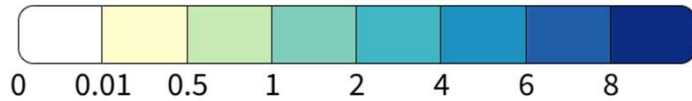
## Precipitation Conditions

7-Day 30-Day % Normal 60-Day % Normal



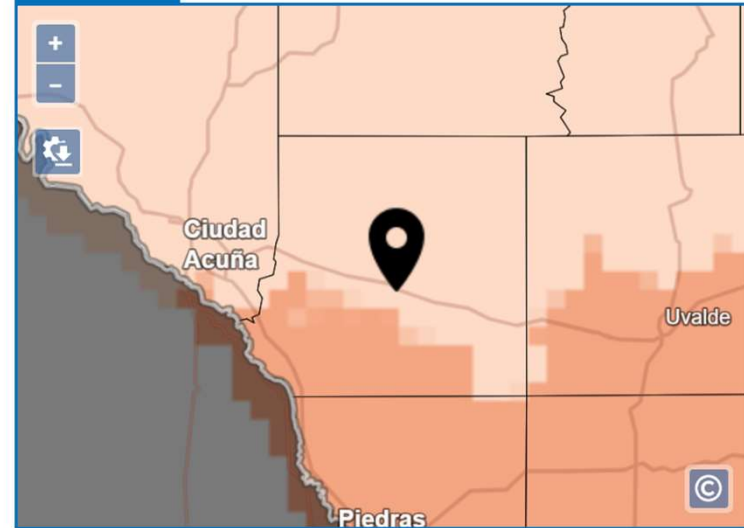
### Legend

#### Inches of Precipitation



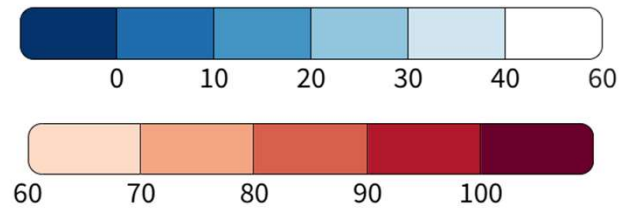
## Temperature Conditions

7-Day Avg 7-Day Anomaly 30-Day Anomaly



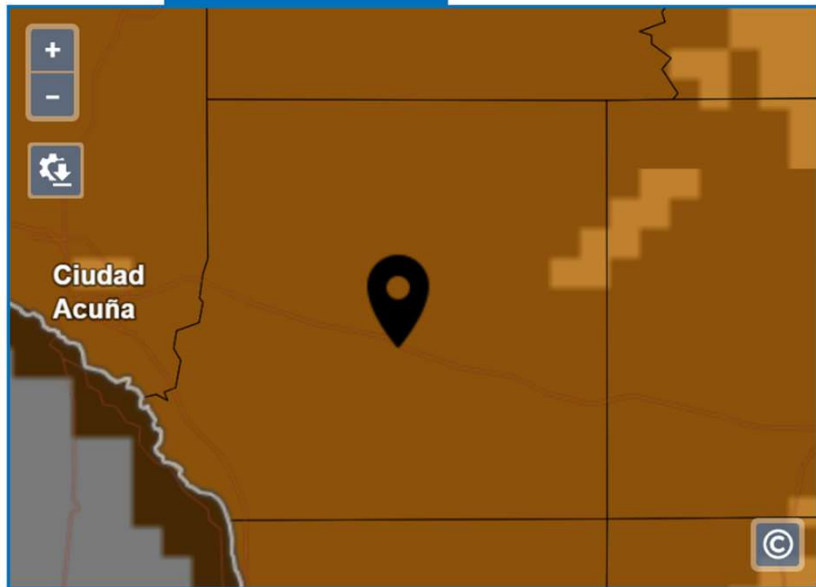
### Legend

#### Maximum Temperature (°F)



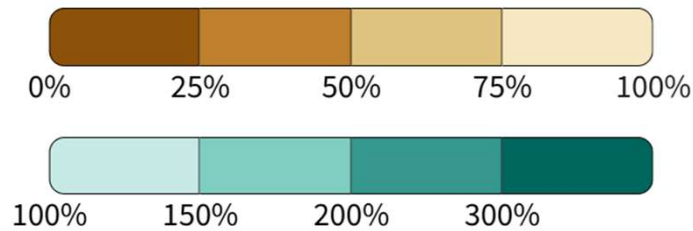
### Precipitation Conditions

7-Day **30-Day % Normal** 60-Day % Normal



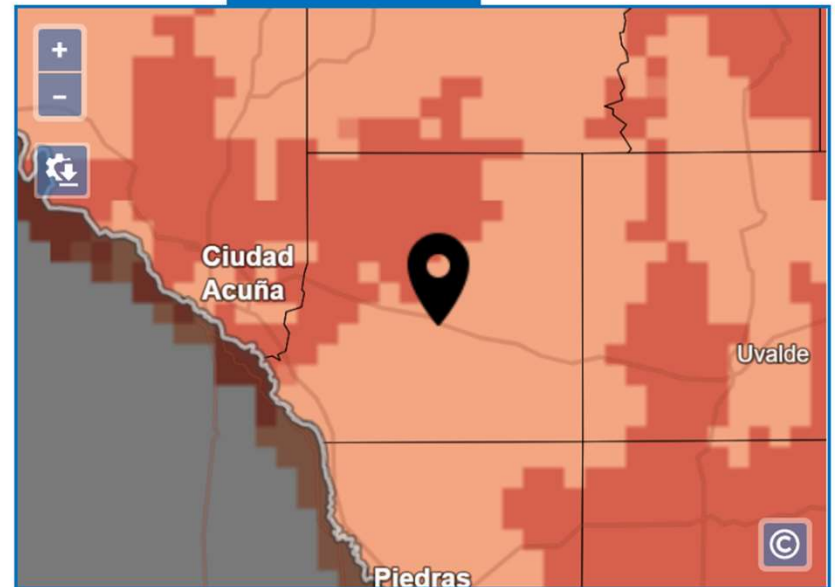
#### Legend

#### Percent of Normal Precipitation (%)



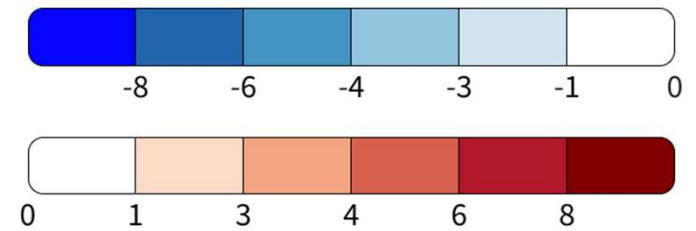
### Temperature Conditions

7-Day Avg **7-Day Anomaly** 30-Day Anomaly



#### Legend

#### Departure from Normal Max Temperature (°F)

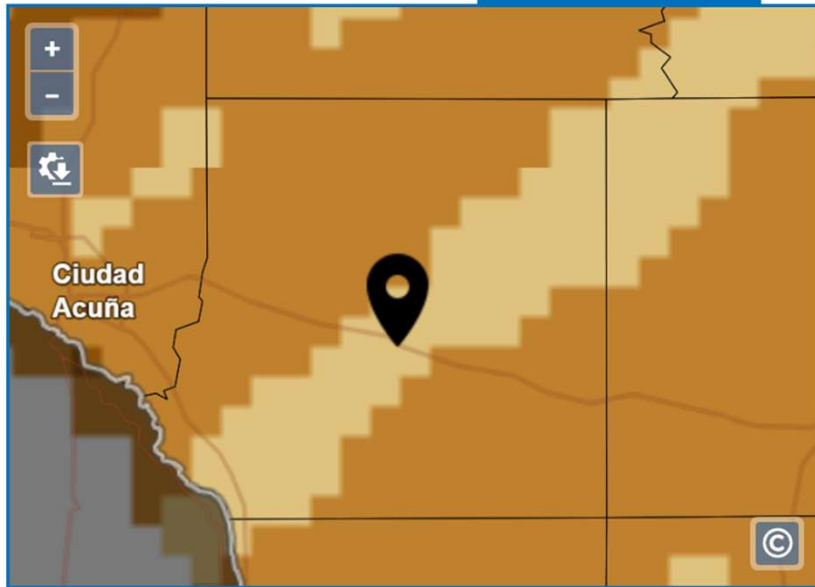


## Precipitation Conditions

7-Day

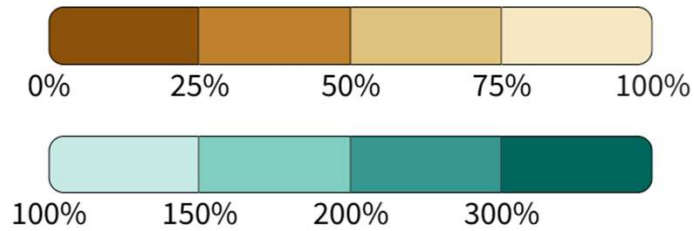
30-Day % Normal

60-Day % Normal



Legend

Percent of Normal Precipitation (%)

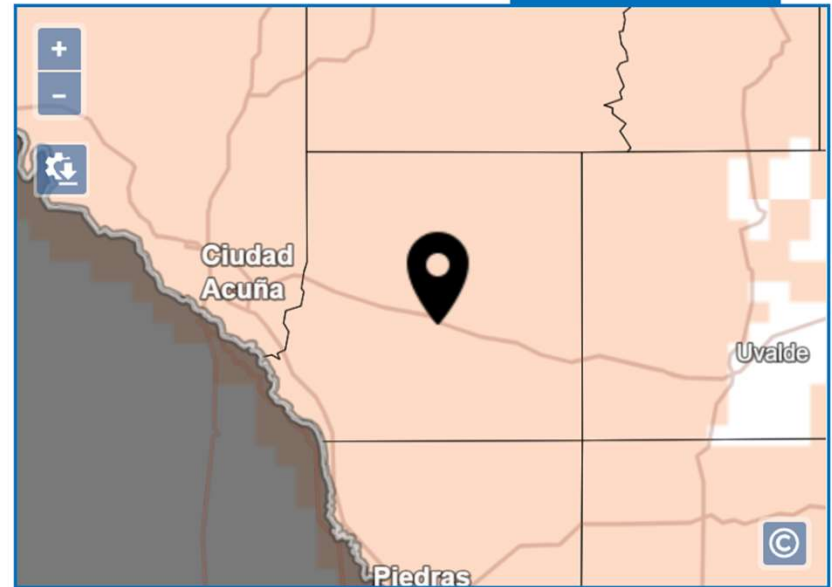


## Temperature Conditions

7-Day Avg

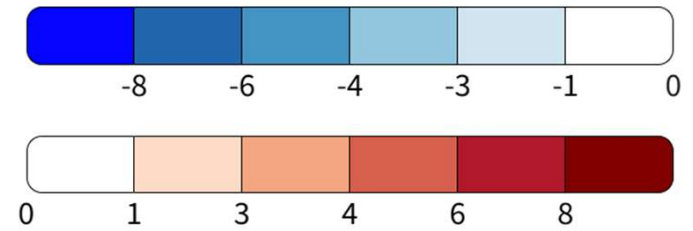
7-Day Anomaly

30-Day Anomaly



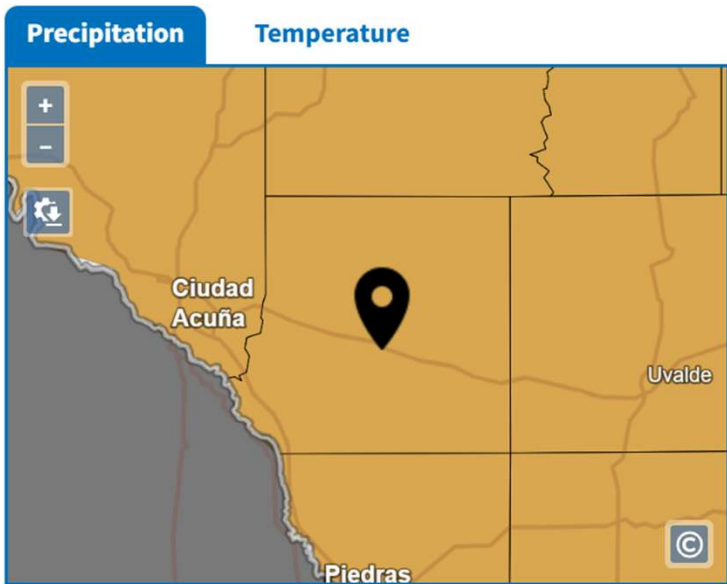
Legend

Departure from Normal Max Temperature (°F)

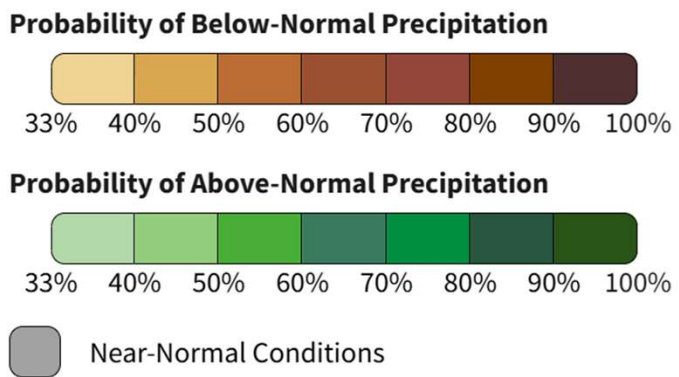




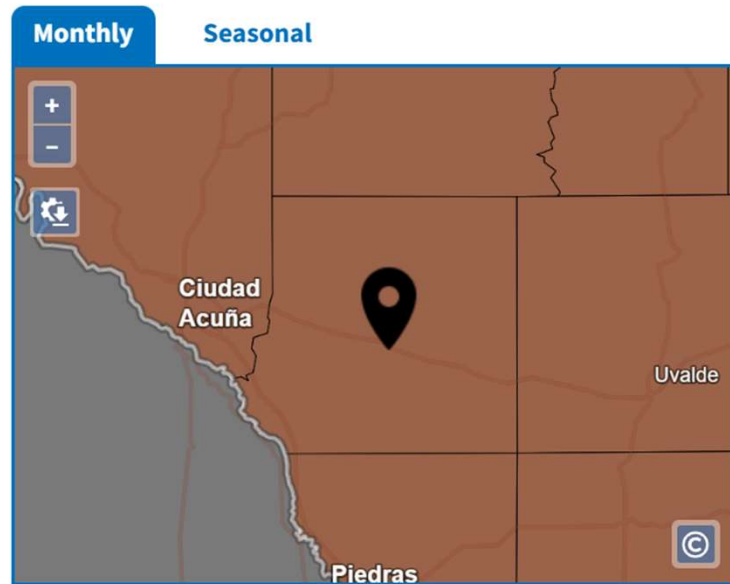
### 8-14 Day Precipitation & Temperature Outlooks



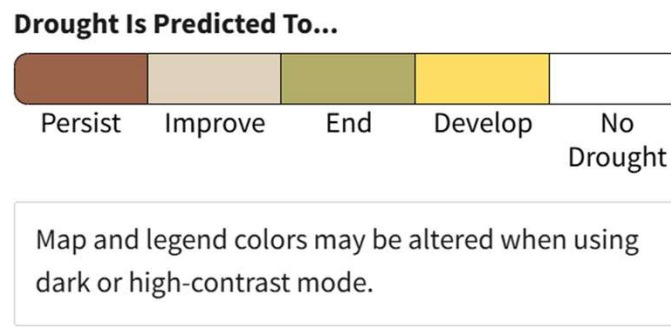
#### Legend



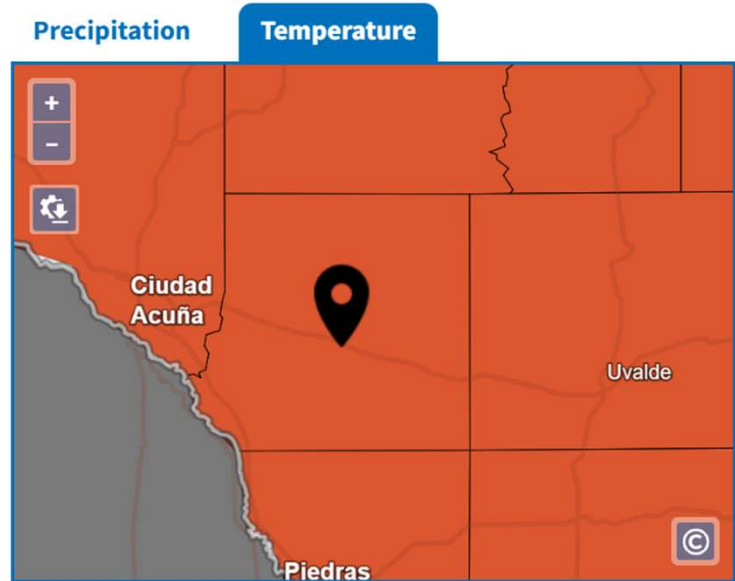
### U.S. Drought Outlooks



#### Legend

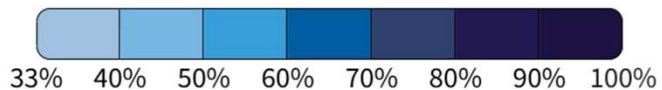


### 8-14 Day Precipitation & Temperature Outlooks

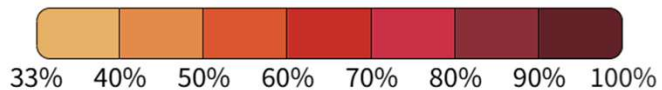


**Legend** —

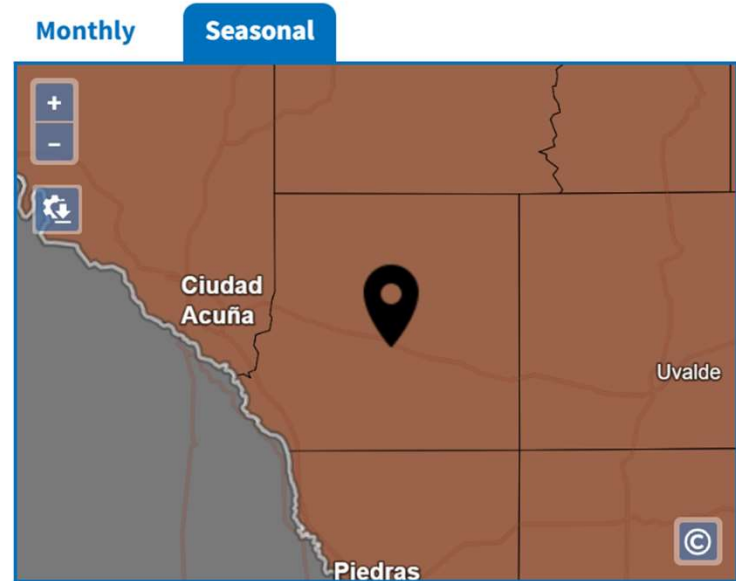
#### Probability of Below-Normal Temperatures



#### Probability of Above-Normal Temperatures



### U.S. Drought Outlooks



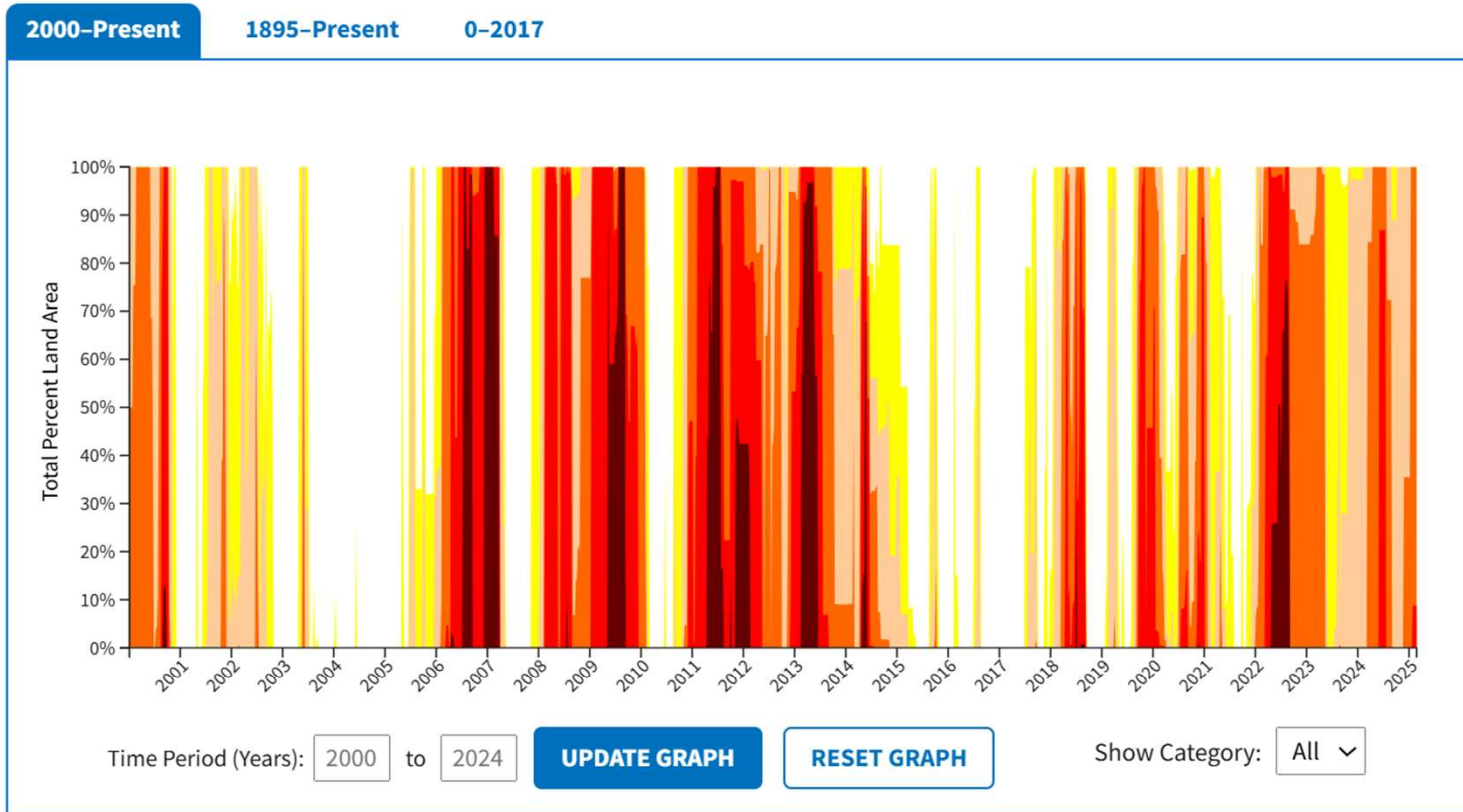
**Legend** —

#### Drought Is Predicted To...



Map and legend colors may be altered when using dark or high-contrast mode.

## Historical Conditions for Kinney County



The U.S. Drought Monitor (2000–present) depicts the location and intensity of drought across the country. Every Thursday, authors from NOAA, USDA, and the National Drought Mitigation Center produce a new map based on their assessments of the best available data and input from local observers. The map uses five categories: Abnormally Dry (D0), showing areas that may be going into or are coming out of drought, and four levels of drought (D1–D4). [Learn more.](#)

### Legend

#### U.S. Drought Monitor

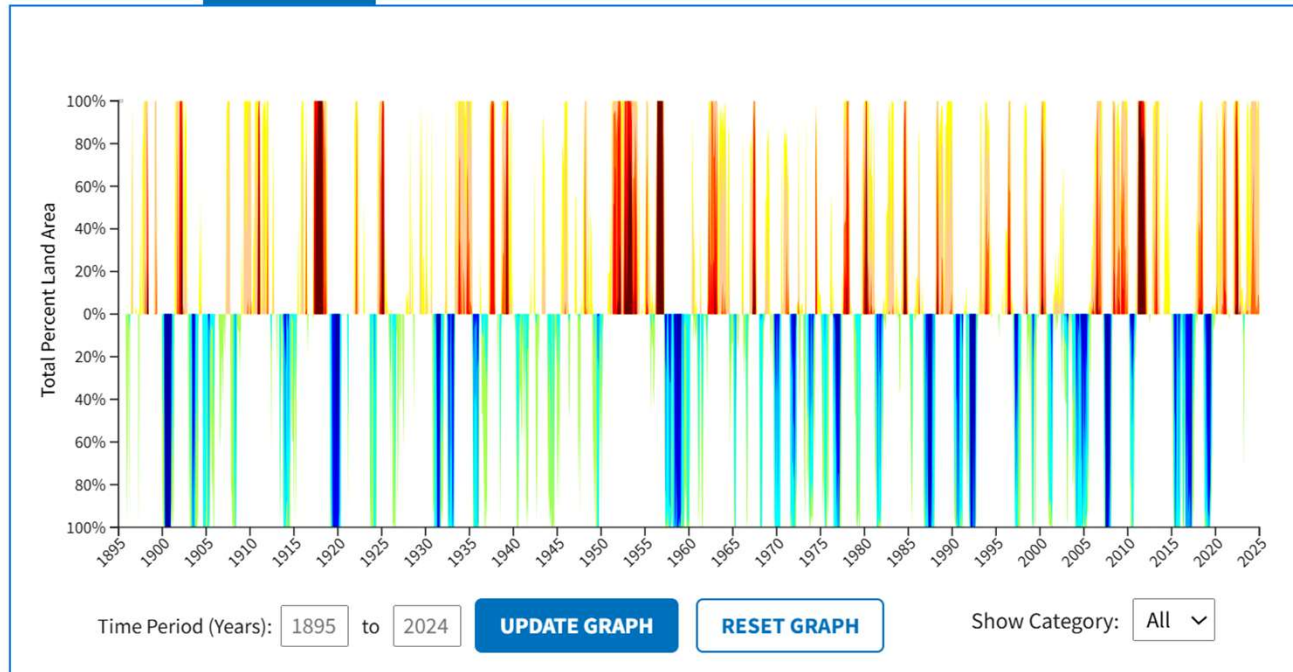


## Historical Conditions for Kinney County

2000–Present

1895–Present

0–2017



In paleoclimatology, proxy climate data (e.g., tree rings, ocean sediments) can allow us to reconstruct past climate conditions before we had widespread instrumental records. The [Living Blended Drought Atlas](#), shown here, estimates average drought conditions each summer (June–August) as far back as the year 0 by combining tree-ring reconstructions and instrumental records. Red hues indicate drier conditions, while blue hues indicate wetter conditions.

### Legend

#### Dry Conditions



#### Wet Conditions

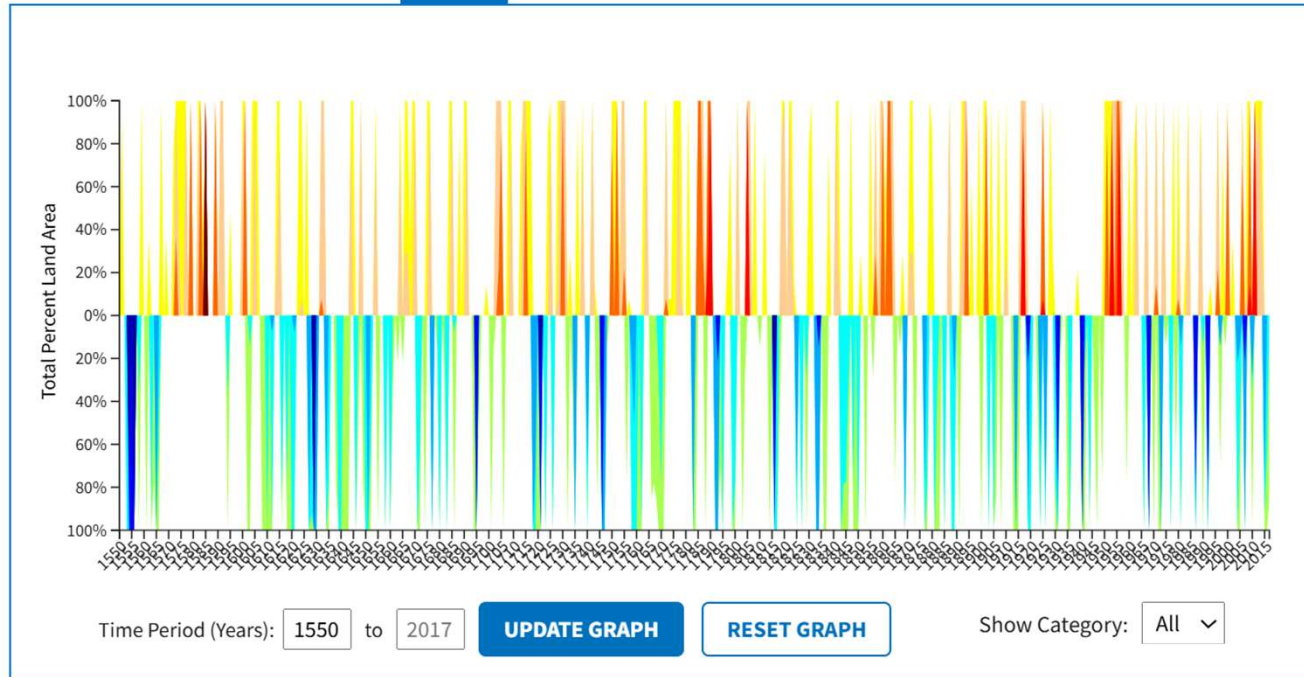


## Historical Conditions for Kinney County

2000–Present

1895–Present

0–2017



Tree-rings are used to extend the instrumental record of drought to over 2000 years. The Living Blended Drought Product (LBDP) is a recalibrated data series of June-July-August Palmer Modified Drought Index (PMDI) values in the lower 48 U.S. states. This dataset blends tree-ring reconstructions and instrumental data to estimate the average summer PMDI values, which extend over 2000 years in some parts of the U.S. [Learn more.](#)

### Legend

#### Dry Conditions



#### Wet Conditions

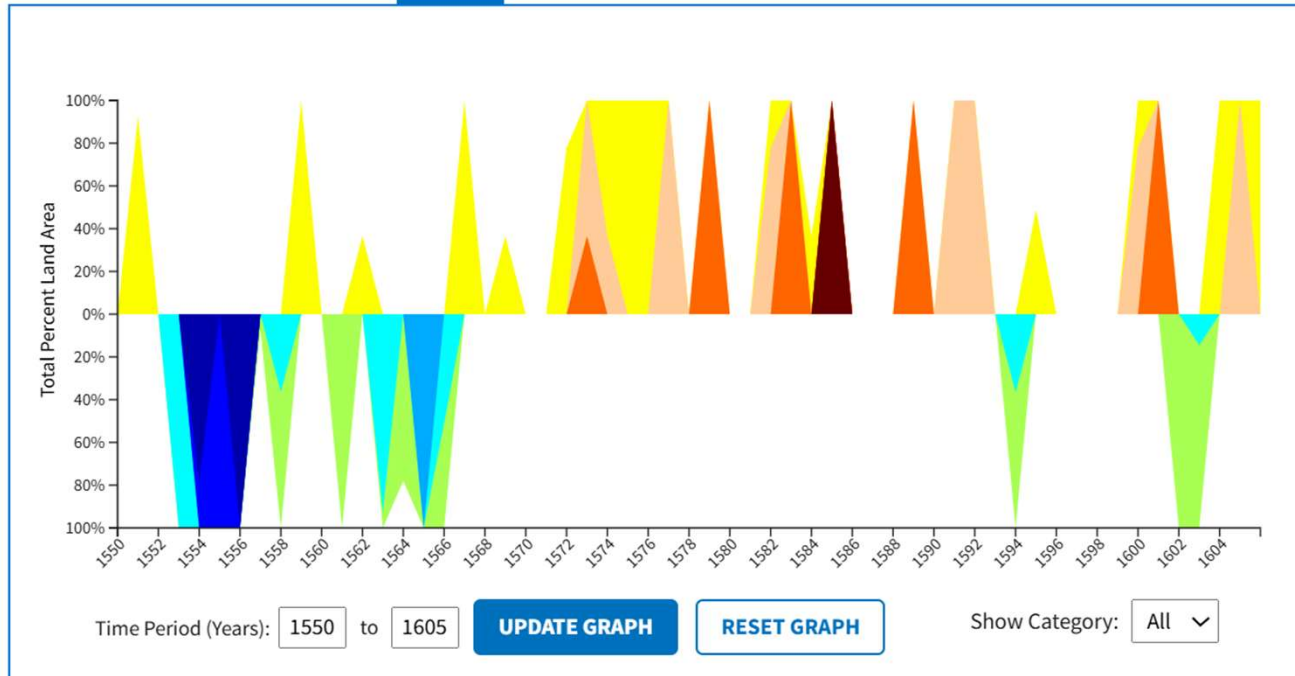


## Historical Conditions for Kinney County

2000–Present

1895–Present

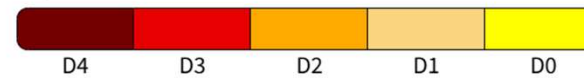
0–2017



Tree-rings are used to extend the instrumental record of drought to over 2000 years. The Living Blended Drought Product (LBDP) is a recalibrated data series of June-July-August Palmer Modified Drought Index (PMDI) values in the lower 48 U.S. states. This dataset blends tree-ring reconstructions and instrumental data to estimate the average summer PMDI values, which extend over 2000 years in some parts of the U.S. [Learn more.](#)

### Legend

#### Dry Conditions



#### Wet Conditions

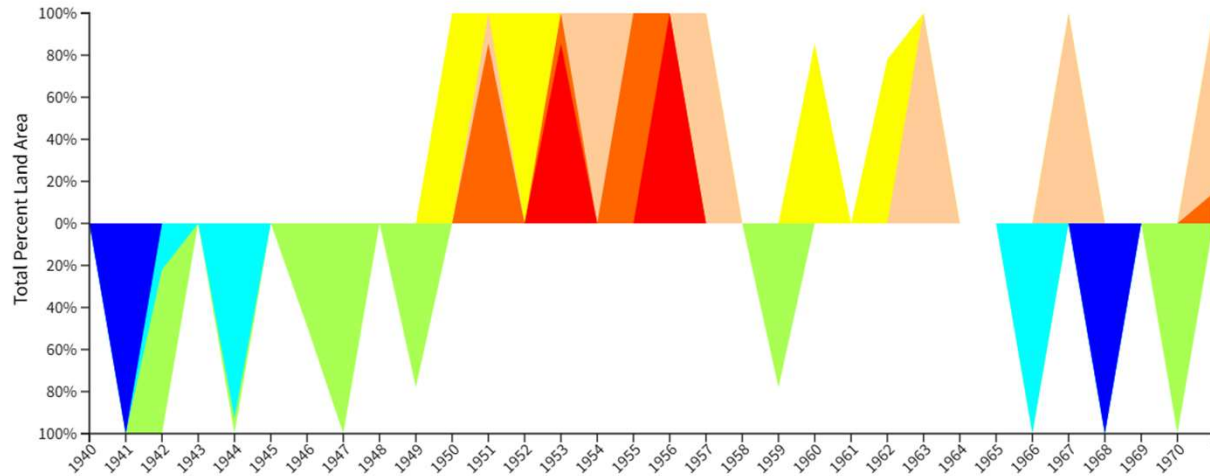


## Historical Conditions for Kinney County

2000–Present

1895–Present

0–2017



Time Period (Years):

1940

to

1970

UPDATE GRAPH

RESET GRAPH

Show Category:

All

Tree-rings are used to extend the instrumental record of drought to over 2000 years. The Living Blended Drought Product (LBDP) is a recalibrated data series of June-July-August Palmer Modified Drought Index (PMDI) values in the lower 48 U.S. states. This dataset blends tree-ring reconstructions and instrumental data to estimate the average summer PMDI values, which extend over 2000 years in some parts of the U.S. [Learn more.](#)

### Legend

#### Dry Conditions



#### Wet Conditions

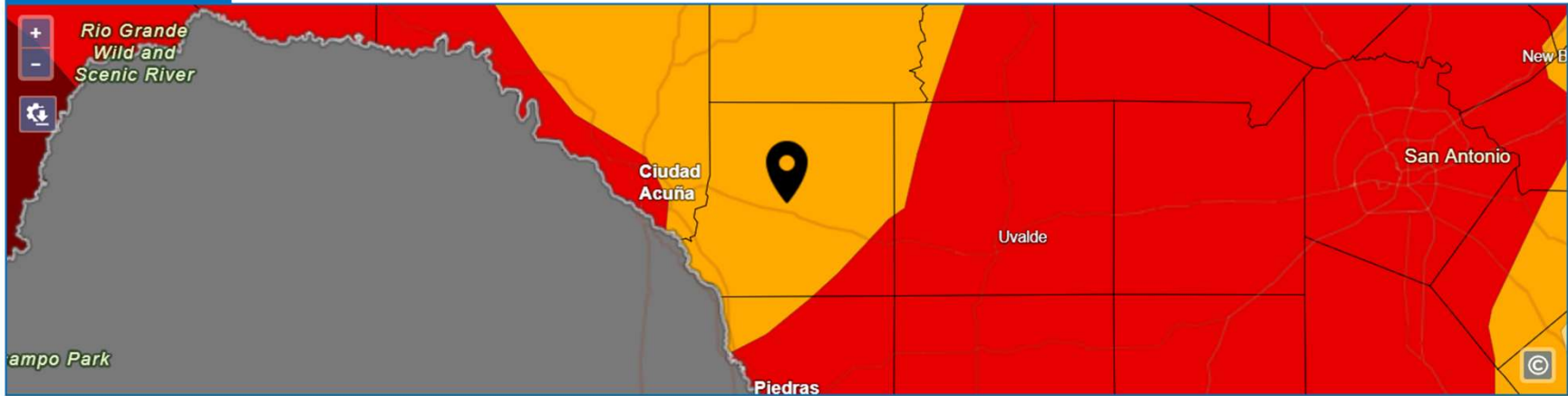


## Current Conditions for Kinney County

U.S. Drought Monitor

30-Day Precipitation

30-Day Temperature









The U.S. Drought Monitor depicts the location and intensity of drought across the country using 5 classifications: Abnormally Dry (D0), showing areas that may be going into or are coming out of drought, and four levels of drought (D1–D4).

The U.S. Drought Monitor is a joint effort of the National Drought Mitigation Center, U.S. Department of Agriculture, and National Oceanic and Atmospheric Administration.

Source(s): [NDMC](#), [NOAA](#), [USDA](#)

### Legend

#### Drought & Dryness Categories

	D0 - Abnormally Dry
	D1 - Moderate Drought
	D2 - Severe Drought
	D3 - Extreme Drought
	D4 - Exceptional Drought
	Total Area in Drought (D1–D4)

#### % of Kinney County

D0 - Abnormally Dry	0%
D1 - Moderate Drought	0%
D2 - Severe Drought	91.24%
D3 - Extreme Drought	8.76%
D4 - Exceptional Drought	0%
Total Area in Drought (D1–D4)	100.00%



# Current Conditions for Kinney County

U.S. Drought Monitor

**30-Day Precipitation**

30-Day Temperature

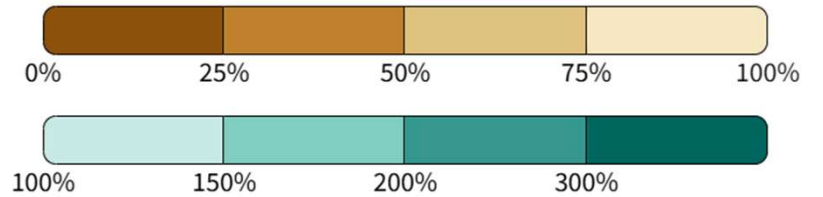


This map shows precipitation for the past 30 days as a percentage of the historical average (1991–2020) for the same time period. Green/blue shades indicate above-normal precipitation, while brown shades indicate below-normal precipitation.

Source(s): [UC Merced](#)

## Legend

### Percent of Normal Precipitation (%)



# Current Conditions for Kinney County

U.S. Drought Monitor   30-Day Precipitation   **30-Day Temperature**

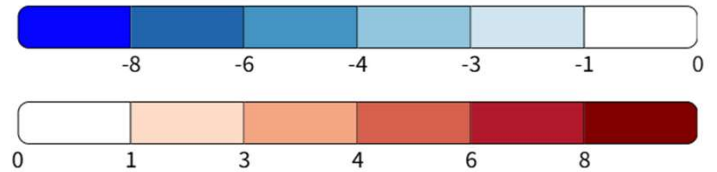


This map shows the average maximum daily temperature for the past 30 days compared to the historical average (1991–2020) for the same 30 days. Negative values (*blue hues*) indicate colder than normal temperatures, and positive values (*red hues*) indicate warmer than normal temperatures.

Source(s): UC Merced

## Legend

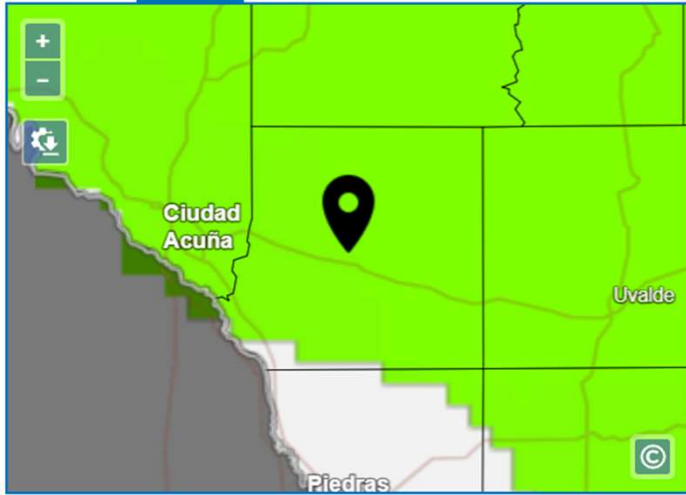
Departure from Normal Max Temperature (°F)



# Future Conditions for Kinney County

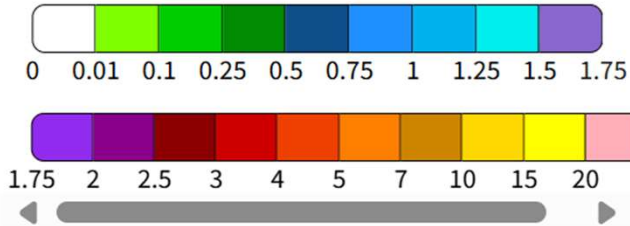
## Quantitative Precipitation Forecast

1-Day **7-Day**



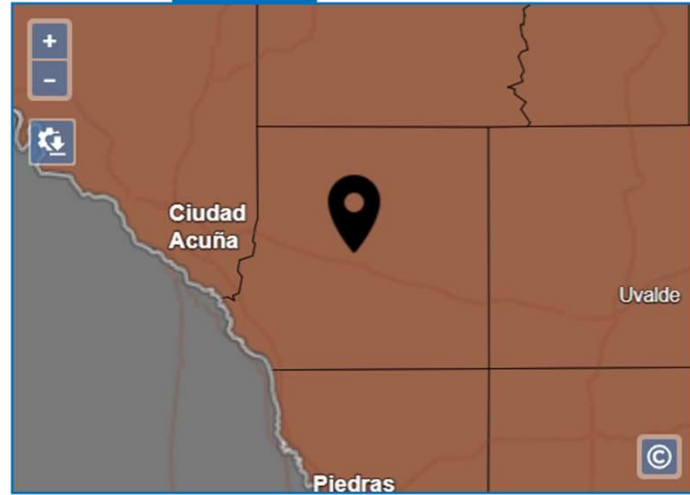
### Legend

#### Predicted Inches of Precipitation



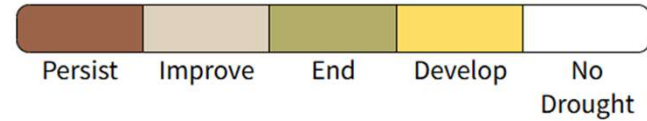
## U.S. Drought Outlooks

Monthly **Seasonal**



### Legend

#### Drought Is Predicted To...



Map and legend colors may be altered when using dark or high-contrast mode.