

# Texas Division of Emergency Management Texas State Operations Center



## Situation Awareness Brief



Thursday, May 16<sup>th</sup>, 2024  
As of 0900 CDT

# Incidents Reported to the State Operations Center (last 24 hours)

| <b>DATE</b> | <b>SUBJECT</b>  | <b>LOCATION</b>  |
|-------------|---|------------------|
| 05/15/24    | Preliminary Earthquake Report (M3.0)                                | Karnes County    |
| 05/15/24    | Initial Report of a Main Water Break                                | Comanche County  |
| 05/15/24    | Update Report of the Hackberry Canyon Fire                          | Potter County    |
| 05/15/24    | Preliminary Earthquake Report (M3.1)                                | Fisher County    |
| 05/15/24    | Initial & Update Report of a Road Closure (Pelican Island Causeway) | Galveston County |
| 05/15/24    | Final Report of a Water Main Break                                  | Comanche County  |
| 05/15/24    | Final Report of the Zorro Fire                                      | Val Verde County |
| 05/15/24    | Update Report #2 of the Hackberry Canyon Fire                       | Potter County    |
| 05/15/24    | Update Report #2 of a Road Closure (Pelican Island Causeway)        | Galveston County |

# Informational Products Distributed by the State Operations Center

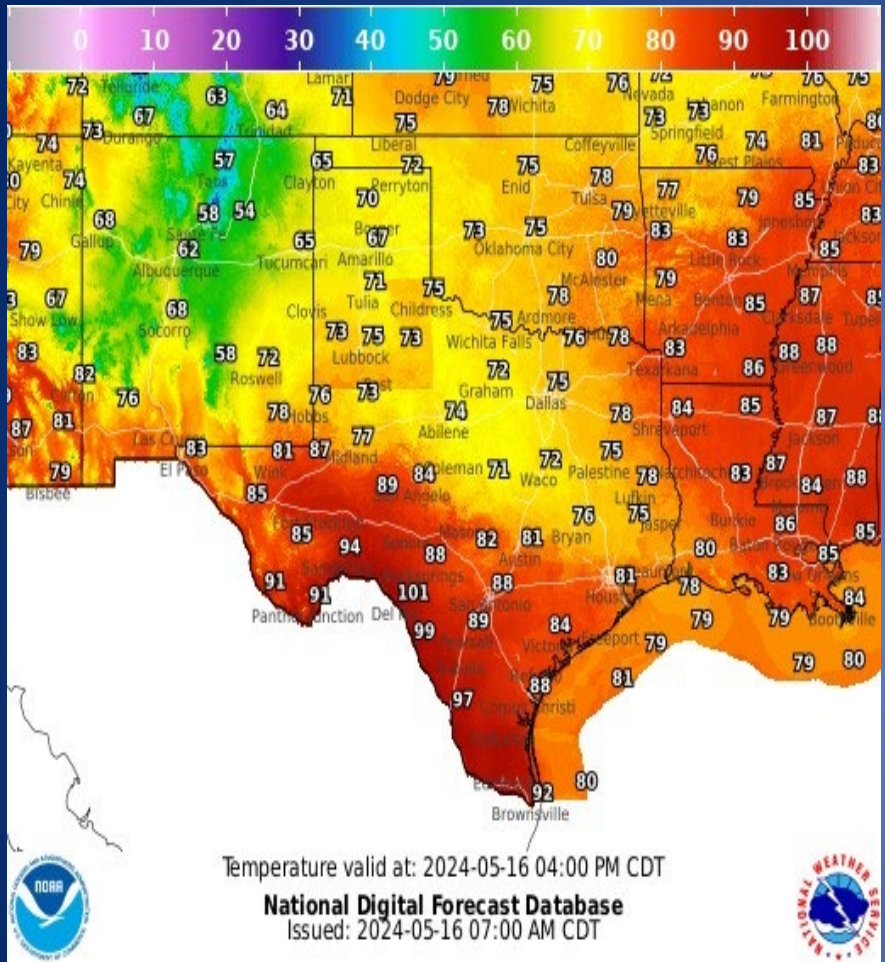
| <b>DATE</b> | <b>SUBJECT</b>  |
|-------------|---|
| 05/15/24    | NWS Amarillo: Severe Thunderstorms Briefing - Wednesday   |
| 05/15/24    | NWS West Gulf RFC: Another Round of Locally Heavy Rainfall Expected...Renewed River Flooding Expected   |
| 05/15/24    | NWS Fort Worth: Heavy Rainfall/Flooding & Severe Threat on Thursday   |
| 05/15/24    | NWS Houston/Galveston: Update Locally Heavy Rain & Severe Storms Expected Thursday into Friday  |
| 05/16/24    | NWS Austin/San Antonio: Situation Report: Update Severe Thunderstorms and Heavy Rain  |
| 05/16/24    | NWS Houston/Galveston: Locally Heavy Rain & Severe Storms Expected Today and possibly on into Friday (Update: Thursday 5/16/24 as of 5am)               |
| 05/16/24    | NWS Austin/San Antonio: NWS Update   Locally Heavy Rain & Severe Storms Expected Today and possibly on into Friday (Update: Thursday 5/16/24 as of 5am) |
| 05/16/24    | NWS Lake Charles, LA: NWS Lake Charles Facebook Live Briefing at 7:30 AM  |
| 05/16/24    | DSS briefing packet - Thursday AM 5/16/24   |
| 05/16/24    | NWS El Paso/Santa Teresa: Weather Hazards Outlook   |

# Informational Products Distributed by the State Operations Center

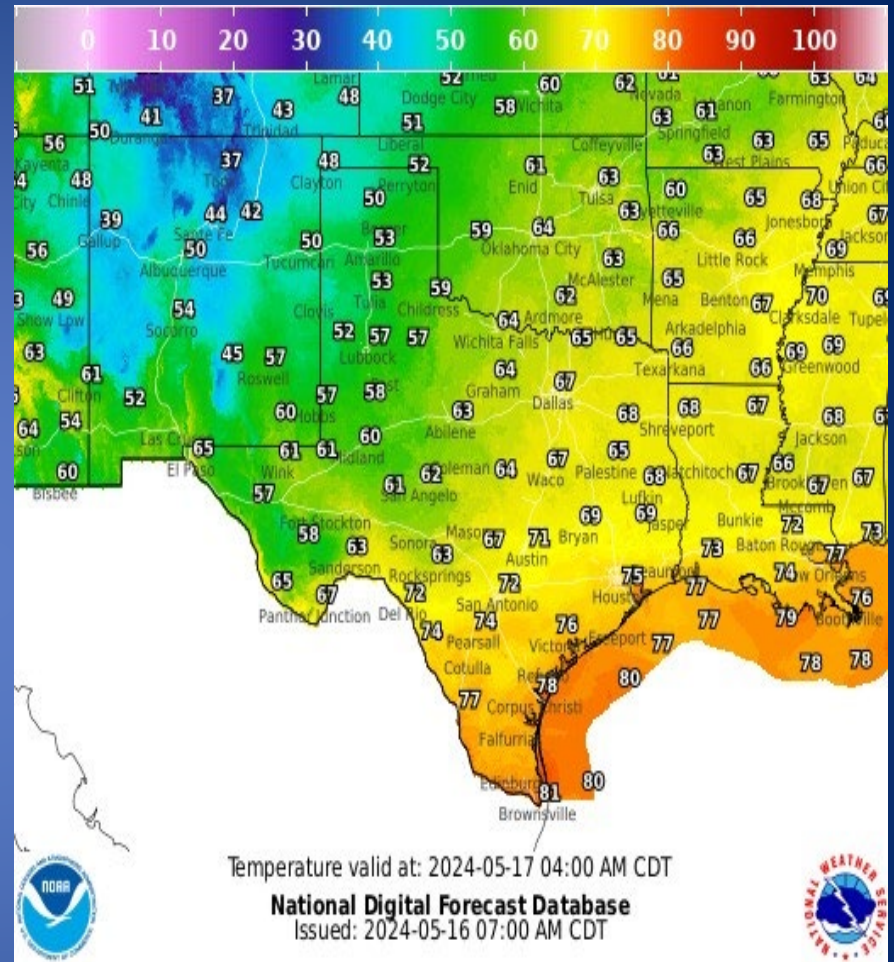
| <b>DATE</b> | <b>SUBJECT</b>  |
|-------------|---|
| 05/16/24    | NWS Shreveport, LA: Excessive Rainfall and Severe Weather Possible Today through Friday Morning |
| 05/16/24    | NWS Fort Worth: Heavy Rainfall/Flooding & Severe Threat Today                                   |
| 05/16/24    | Daily NWS Threat Brief for Thursday, May 16, 2024 for FEMA Region 6                             |



# Weather Forecast



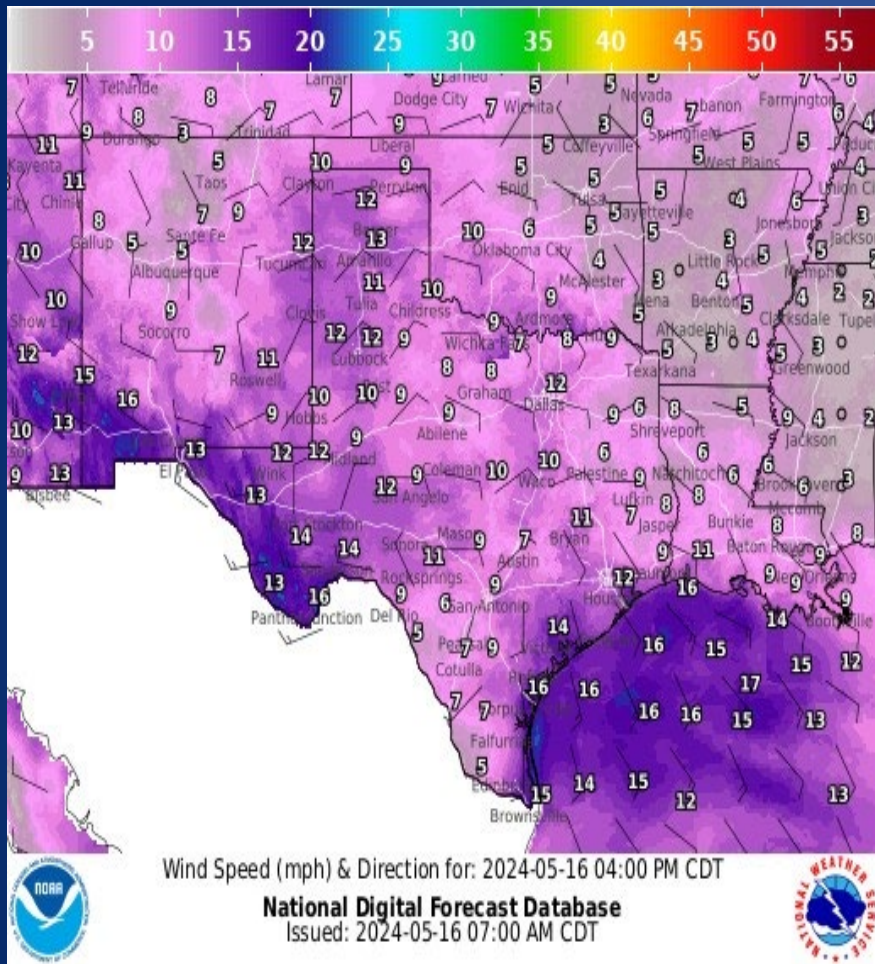
## Highs



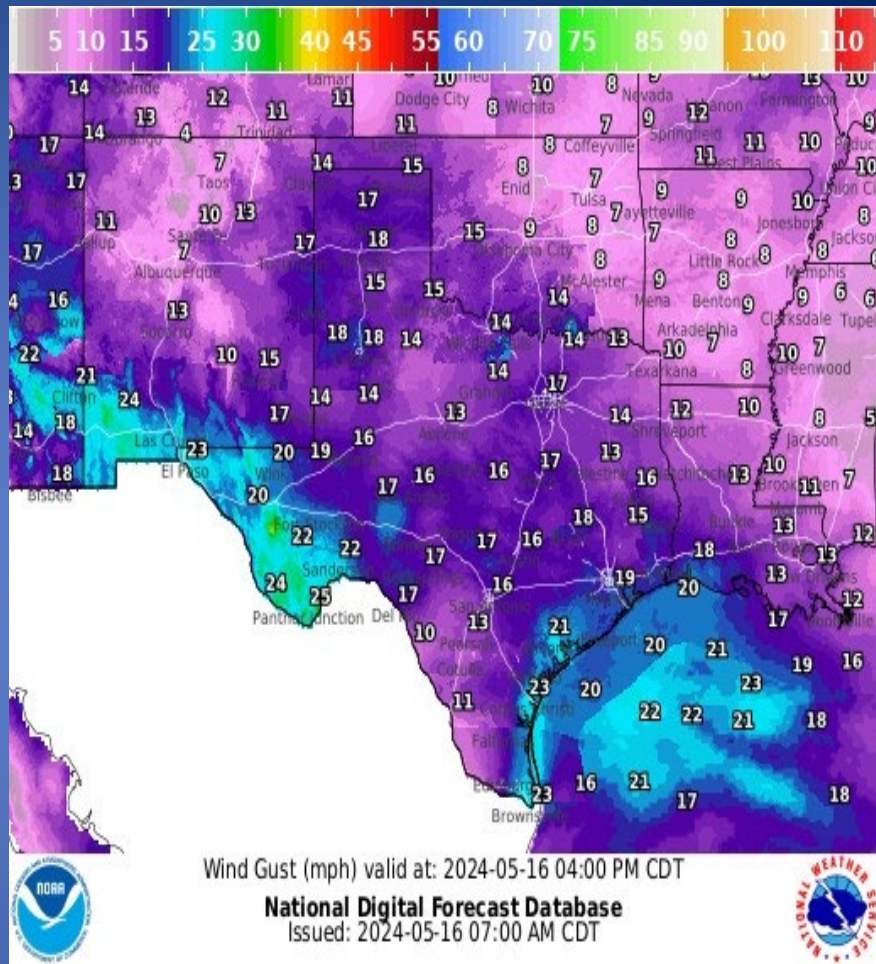
## Lows



# Weather Forecast



## Wind Speeds



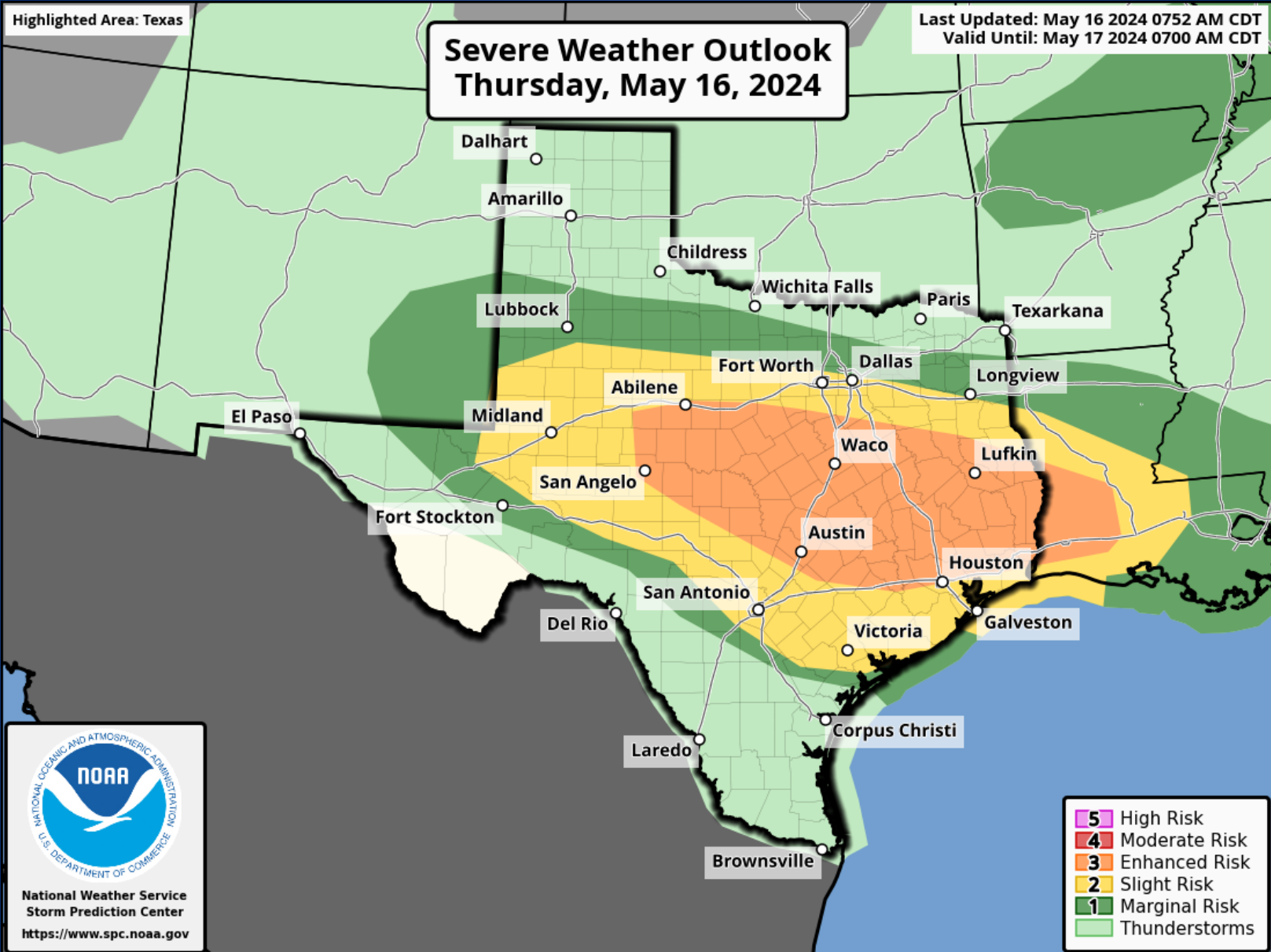
## Gusts

# Hazardous Weather

Highlighted Area: Texas

**Severe Weather Outlook  
Thursday, May 16, 2024**

Last Updated: May 16 2024 0752 AM CDT  
Valid Until: May 17 2024 0700 AM CDT



NATIONAL WEATHER SERVICE  
Storm Prediction Center  
<https://www.spc.noaa.gov>

|   |               |
|---|---------------|
| 5 | High Risk     |
| 4 | Moderate Risk |
| 3 | Enhanced Risk |
| 2 | Slight Risk   |
| 1 | Marginal Risk |
|   | Thunderstorms |



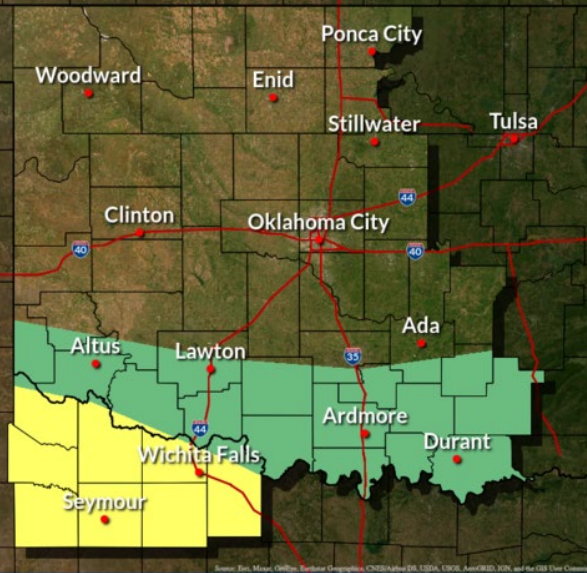
# Hazardous Weather

## Thursday Flood Potential

Weather Forecast Office  
Norman, OK  
Issued May 16, 2024 2:07 AM CDT

**Flash Flood Risk**

- High
- Moderate
- Slight
- Marginal



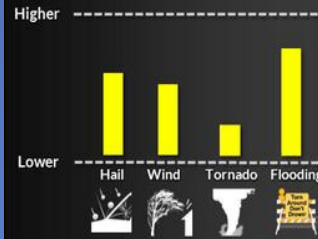
## Severe Weather Potential Today

Weather Forecast Office  
Fort Worth, TX  
Issued May 16, 2024 2:07 AM CT

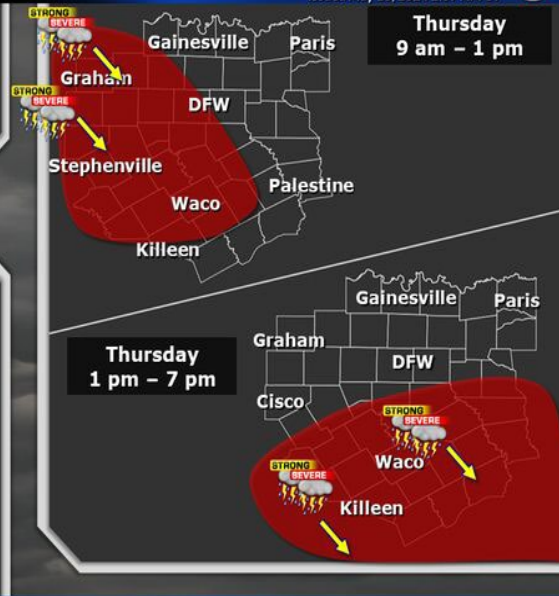
Severe thunderstorms are expected across portions of the area today.

The greatest potential will be across the highlighted areas from mid morning through early evening.

### Threats:



Have multiple ways to receive weather alerts!



Severe thunderstorms are expected today with the greatest risk area along and south of I-20. Large hail and damaging winds will be the main threats with severe thunderstorms, but heavy rain and flooding is the primary concern with prolonged heavy rainfall likely today. Thunderstorms will affect western North Texas shortly after sunrise, and spread into Central Texas early in the afternoon.



# Hazardous Weather

## Heavy Rain Timing Today

Weather Forecast Office  
Fort Worth, TX  
Issued May 16, 2024 2:20 AM CDT

Shows and thunderstorms will increase in coverage late this morning and persist through the evening across much of North and Central Texas.

Widespread rain totals of 1-3 inches are expected with localized amounts greater than 5" possible in Central Texas.

Excessive rainfall will result in flash flooding, especially across the already saturated areas south of I-20.



## Excessive Rainfall Risk Thursday/Friday

Weather Forecast Office  
Shreveport, LA  
Issued May 16, 2024 4:01 AM CST

Valid Thu 7:00 AM through Fri 7:00 AM CDT

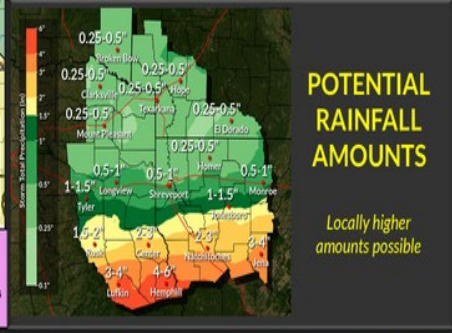


**Threat Level**  
4 of 4

4 - HIGH (HIGH)  
At least 70% probability of flash flooding within 25 miles of a point.

### KEY MESSAGES

- WHAT...**Moderate to Heavy Rainfall is Expected
- WHEN...**Thursday Afternoon into Early Friday Morning
- IMPACTS...**With wet soils from recent rainfall, excessive rainfall may result in flash flooding of roadways, rivers, creeks, streams, and other low-lying and flood-prone areas.



**Widespread heavy will across much of the region today. Storms will progress from northwest to southeast beginning in western North Texas this morning, moving into Central Texas early in the afternoon. Flash flooding is likely to occur, particularly south of I-20 where the heaviest rain amounts are expected with already saturated grounds from recent rainfall.**

**Heavy rainfall will be possible once again, primarily just south of I-20, beginning Thursday afternoon and continuing through Friday. Rainfall amounts of 3 to 5 inches will be likely, with isolated higher amounts possible.**

# Hazardous Weather



## Severe Weather Outlook

May 16, 2024  
6:00 AM

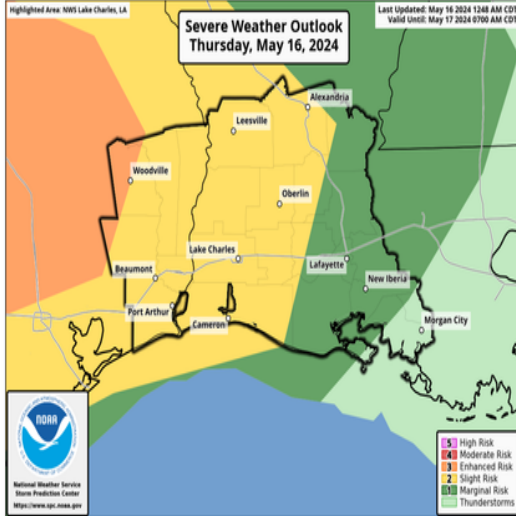
Thursday and Thursday Night

### Overview

An initial upper level disturbance will move across the region through tonight, producing widespread heavy rain with embedded thunderstorms. Some of these storms will have the potential to become severe.

### Threats

None Marginal Slight Enhanced Moderate High



National Weather Service  
Lake Charles, LA

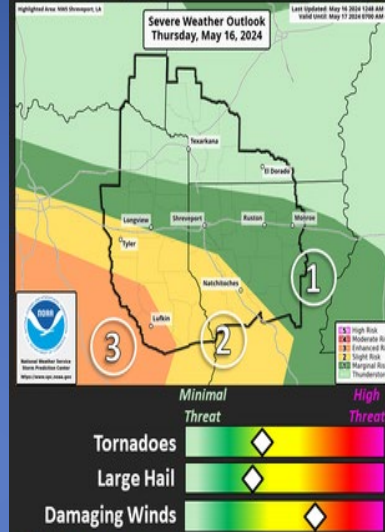
National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

Weather Forecast Office  
Shreveport, LA  
Issued May 16, 2024 3:59 AM CDT



## Severe Weather Potential: Thursday and Friday

### Thursday Afternoon and Evening

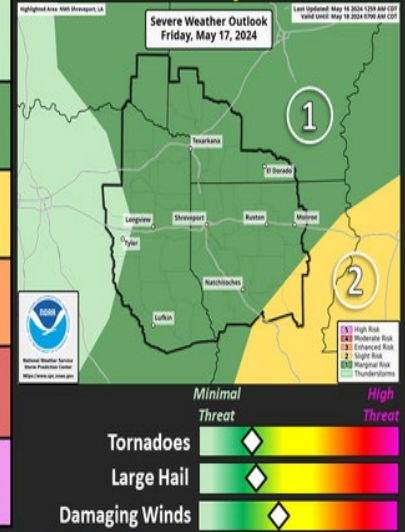


NWS Shreveport

### THUNDERSTORMS

- No severe thunderstorms expected
- 1 - MARGINAL (MRGL)  
Isolated severe storms possible
- 2 - SLIGHT (SLGT)  
Scattered severe storms possible
- 3 - ENHANCED (ENH)  
Numerous severe storms possible
- 4 - MODERATE (MDT)  
Widespread severe storms likely
- 5 - HIGH (HIGH)  
Widespread severe storms expected

### Friday



weather.gov/shv

An enhanced risk for severe weather has been introduced for portions of the area this afternoon and this evening. Damaging winds will be the main threat with this activity. Severe weather will then again be possible on Friday.

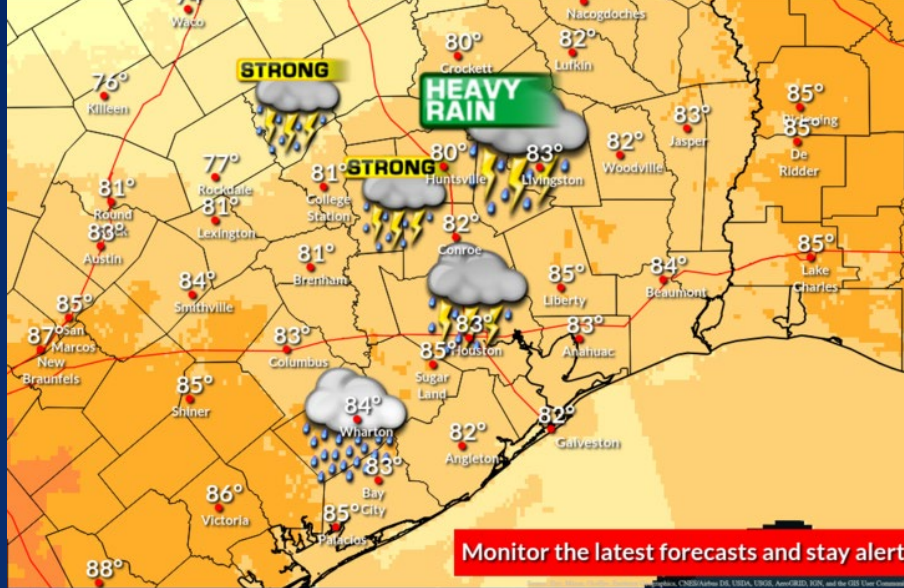


# Hazardous Weather

## Thursday's High Temperatures

Increasing rain chances as the day progresses. Heavy rain and severe storms possible. Issued May 16, 2024 5:11 AM CDT

Weather Forecast Office  
Houston/Galveston TX



Monitor the latest forecasts and stay alert

Here are Thursday's expected high temperatures.

## Excessive Rainfall Risk Thursday/Friday

Valid Thu 7:00 AM through Fri 7:00 AM CDT

Weather Forecast Office  
Shreveport, LA



Issued May 16, 2024 4:01 AM CST



Threat Level  
4 of 4

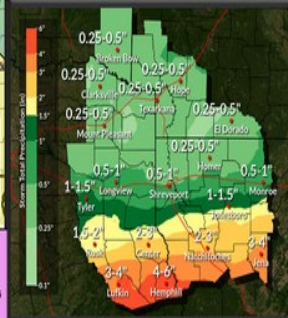
4 - HIGH (HIGH)  
At least 70% probability of flash flooding within 25 miles of a point

### KEY MESSAGES

**WHAT...**Moderate to Heavy Rainfall is Expected

**WHEN...**Thursday Afternoon into Early Friday Morning

**IMPACTS...**With wet soils from recent rainfall, excessive rainfall may result in flash flooding of roadways, rivers, creeks, streams, and other low-lying and flood-prone areas.



### POTENTIAL RAINFALL AMOUNTS

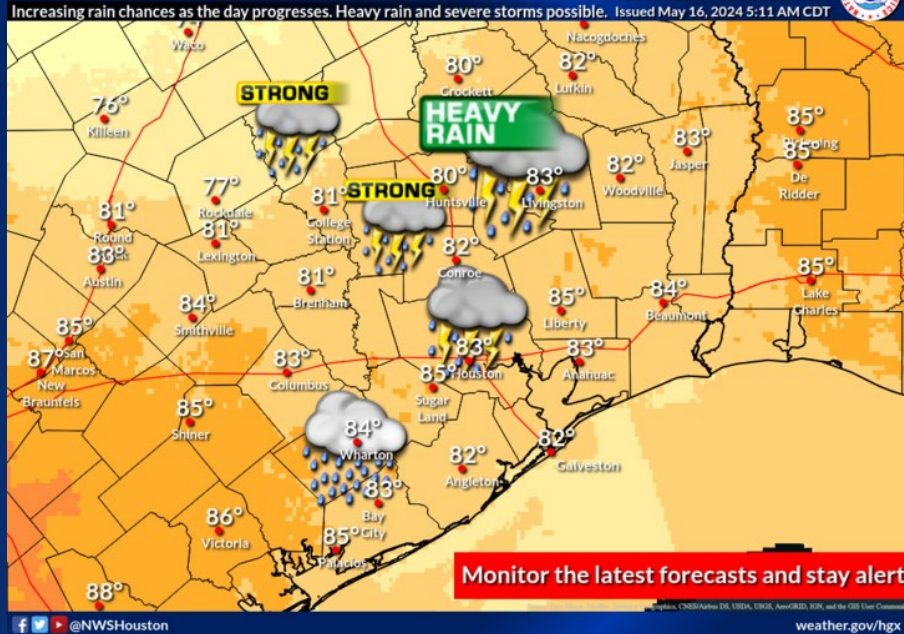
Locally higher amounts possible

Heavy rainfall will be possible once again, primarily just south of I-20, beginning Thursday afternoon and continuing through Friday. Rainfall amounts of 3 to 5 inches will be likely, with isolated higher amounts possible.



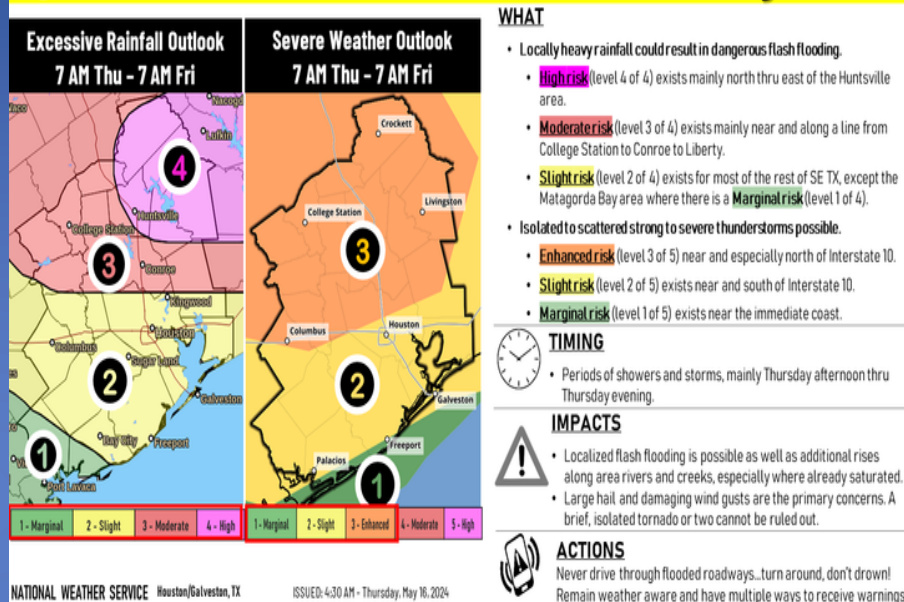
# Hazardous Weather

## Thursday's High Temperatures



Here are Thursday's expected high temperatures.

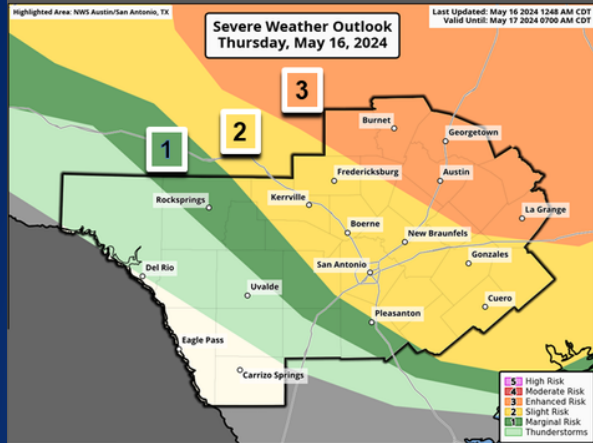
## Hazardous Weather Outlook: Thurs/Thurs Night



Here are Thursday's expected high temperatures.

# Hazardous Weather

Severe Thunderstorm Risk This Afternoon and Evening  
 Weather Forecast Office Austin/San Antonio  
 Issued May 16, 2024 4:29 AM CT



## Threats



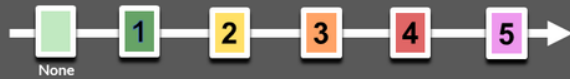
## Timing

This afternoon and evening

## What to Do?



## Severe Thunderstorm Risk



NWSSanAntonio

weather.gov/ewx



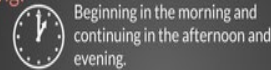
## Today Severe Weather Outlook

May 16, 2024  
 3:54 AM

## Potential Hazards:

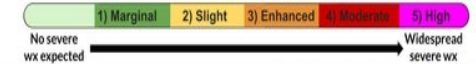
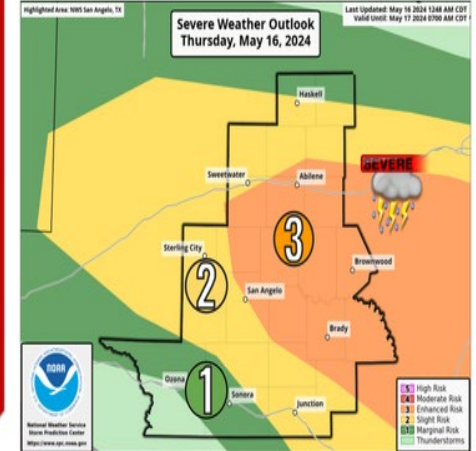


## Timing:



## What to Expect:

Scattered to numerous thunderstorms will develop across much of the area today. Some storms may be severe across much of the area. The main hazards will be very large hail, damaging winds and isolated tornadoes. Keep up with the latest weather information!



National Oceanic and Atmospheric Administration  
 U.S. Department of Commerce

National Weather Service  
 San Angelo, TX



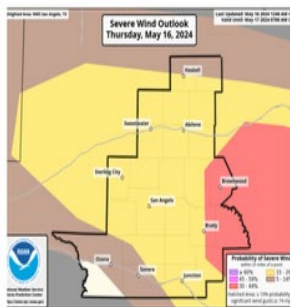
# Hazardous Weather



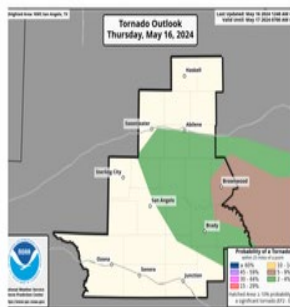
## Today Potential Hazards

May 16, 2024  
3:54 AM

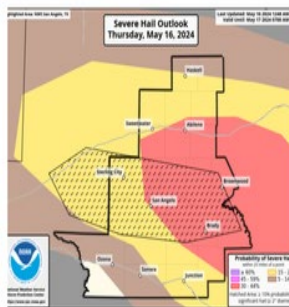
### Wind



### Tornado



### Hail



### Potential Hazards

All hazards will be possible, including large hail to 2+\" (hatched area), damaging winds (60+ MPH), and isolated tornadoes.

### What to Do



Secure outdoor items



Stay away from windows

National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
San Angelo, TX

**There is a risk for severe storms this afternoon and evening with large hail and damaging wind gusts the main hazards. A tornado is also possible. Additionally, heavy rain will be possible which could lead to isolated flooding. Ensure you have multiple ways to receive warnings.**



## Thursday's Thunderstorm Risk

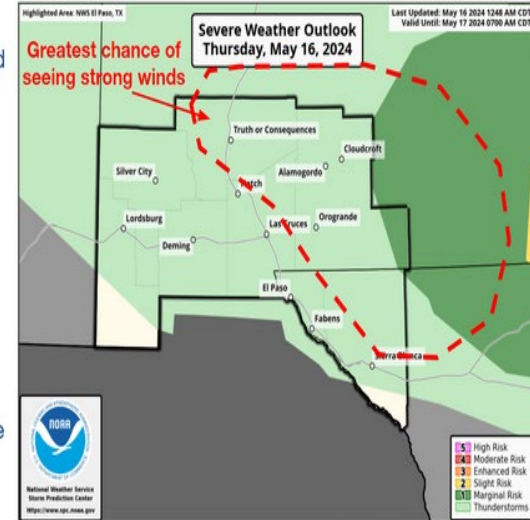
May 16, 2024  
6:20 AM

### What to Expect:

- Showers and Thunderstorms will spread across NM & TX this afternoon and evening
- Greatest coverage of showers/storms will be over Grant, Sierra, and Otero Counties
- Strongest storms are expected over Sierra and Otero Counties

**Primary Threats:** Strong winds, small hail, and lightning

**Timing:** Afternoon and evening timeframe

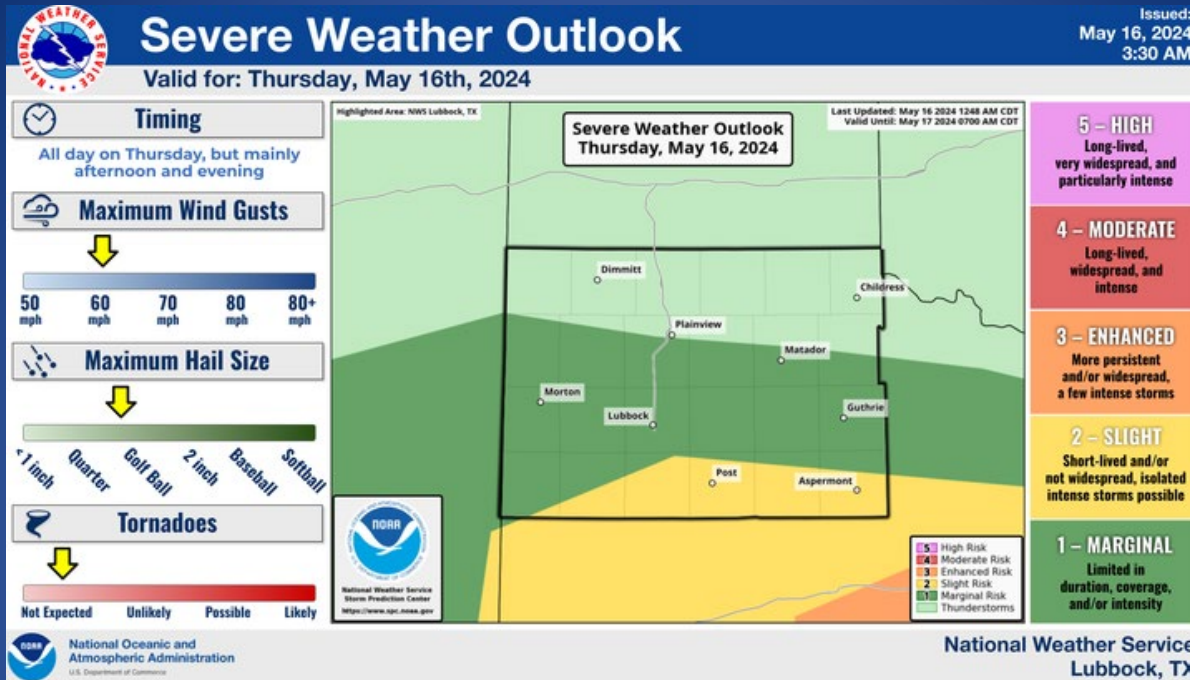


National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
El Paso, TX



# Hazardous Weather



**A few additional severe thunderstorms are possible on today, mainly across the southern South Plains and southern Rolling Plains.**

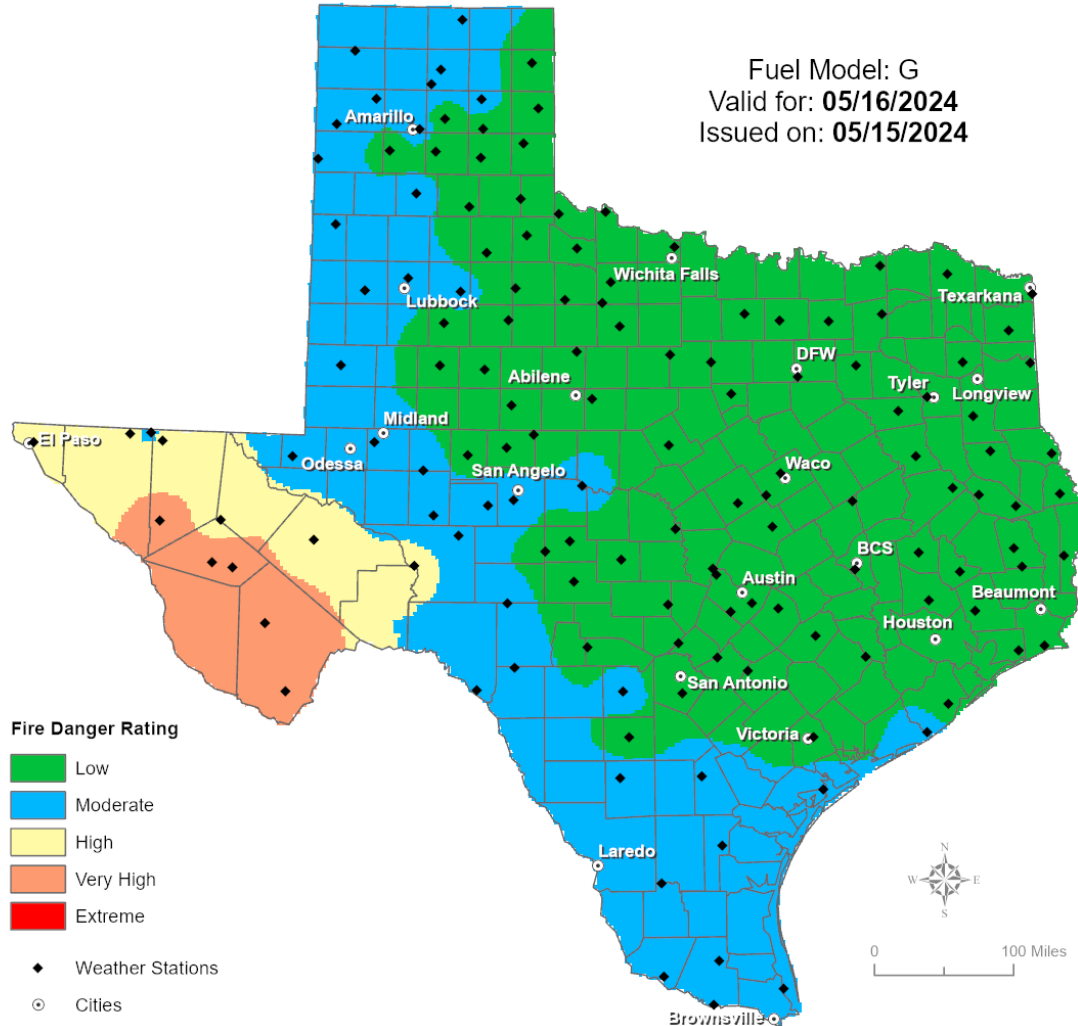
# Weather Warnings/Advisories Issued

| <b>DATE</b> | <b>WARNING TYPE</b>         | <b>LOCATION</b>  |
|-------------|-----------------------------|--|
| 05/15/24    | Severe Thunderstorm Warning | Bailey, Briscoe, Carson, Cochran, Collingsworth, Dallam, Deaf Donley, Floyd, Gray, Hale, Hall, Hansford, Hartley, Hemphill, Hockley, Hutchinson, Lamb, Lipscomb, Llano, Moore, Motley, Ochiltree, Oldham, Potter, Randall, Roberts, Sherman, Smith, Swisher and Wheeler Counties |
| 05/15/24    | Flood Advisory              | Lipscomb and Ochiltree Counties  |
| 05/16/24    | Flood Advisory              | Collin, Comanche, Dallas, Denton, Erath, Hamilton, Hood, Jack, Kaufman, Lampasas, Mills, Palo Pinto, Parker, Rockwall, Smith, Somervell, Tarrant, Van Zandt and Wise Counties  |
| 05/16/24    | Severe Thunderstorm Warning | Archer, Baylor, Foard, Hardeman, Jack, Knox, Palo Pinto, Parker, Wichita, Wilbarger and Young Counties   |

# Fire Danger Forecast

## Forecast Fire Danger

Fuel Model: G  
Valid for: **05/16/2024**  
Issued on: **05/15/2024**





# Burn Ban

## OUTDOOR BURN BANS

May 15, 2024

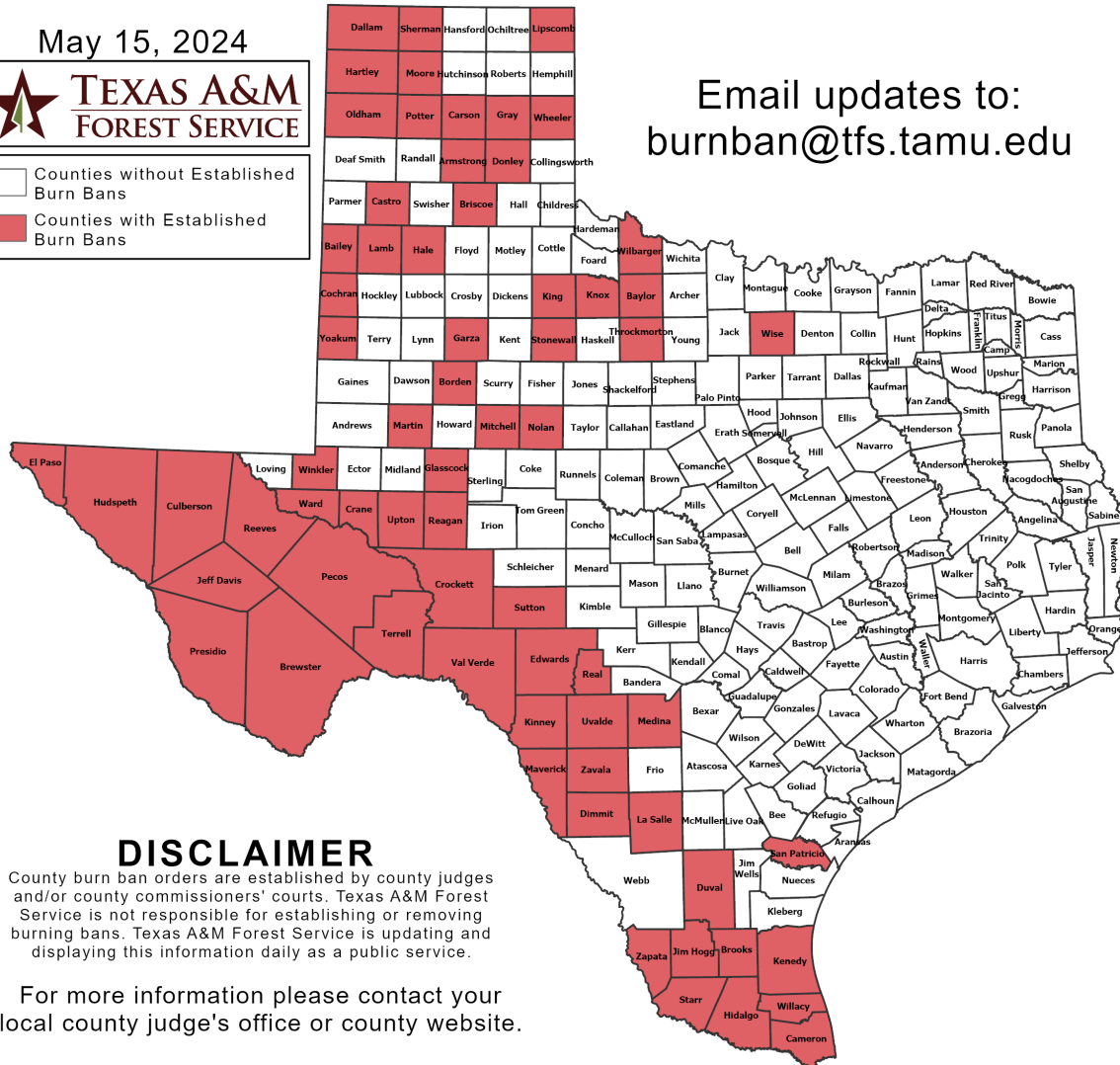


Counties without Established Burn Bans  
 Counties with Established Burn Bans

Email updates to:  
[burnban@tfs.tamu.edu](mailto:burnban@tfs.tamu.edu)

### Counties with Burn Bans: 68

- |           |            |              |
|-----------|------------|--------------|
| Armstrong | Hale       | Reagan       |
| Bailey    | Hartley    | Real         |
| Baylor    | Hidalgo    | Reeves       |
| Borden    | Hudspeth   | San Patricio |
| Brewster  | Jeff Davis | Sherman      |
| Briscoe   | Jim Hogg   | Starr        |
| Brooks    | Kenedy     | Stonewall    |
| Cameron   | King       | Sutton       |
| Carson    | Kinney     | Terrell      |
| Castro    | Knox       | Throckmorton |
| Cochran   | Lamb       | Upton        |
| Crane     | La Salle   | Uvalde       |
| Crockett  | Lipscomb   | Val Verde    |
| Culberson | Martin     | Ward         |
| Dallam    | Maverick   | Wheeler      |
| Dimmit    | Medina     | Wilbarger    |
| Donley    | Mitchell   | Willacy      |
| Duval     | Moore      | Winkler      |
| Edwards   | Nolan      | Wise         |
| El Paso   | Oldham     | Yoakum       |
| Garza     | Pecos      | Zapata       |
| Glasscock | Potter     | Zavala       |
| Gray      | Presidio   |              |



### DISCLAIMER

County burn ban orders are established by county judges and/or county commissioners' courts. Texas A&M Forest Service is not responsible for establishing or removing burning bans. Texas A&M Forest Service is updating and displaying this information daily as a public service.

For more information please contact your local county judge's office or county website.

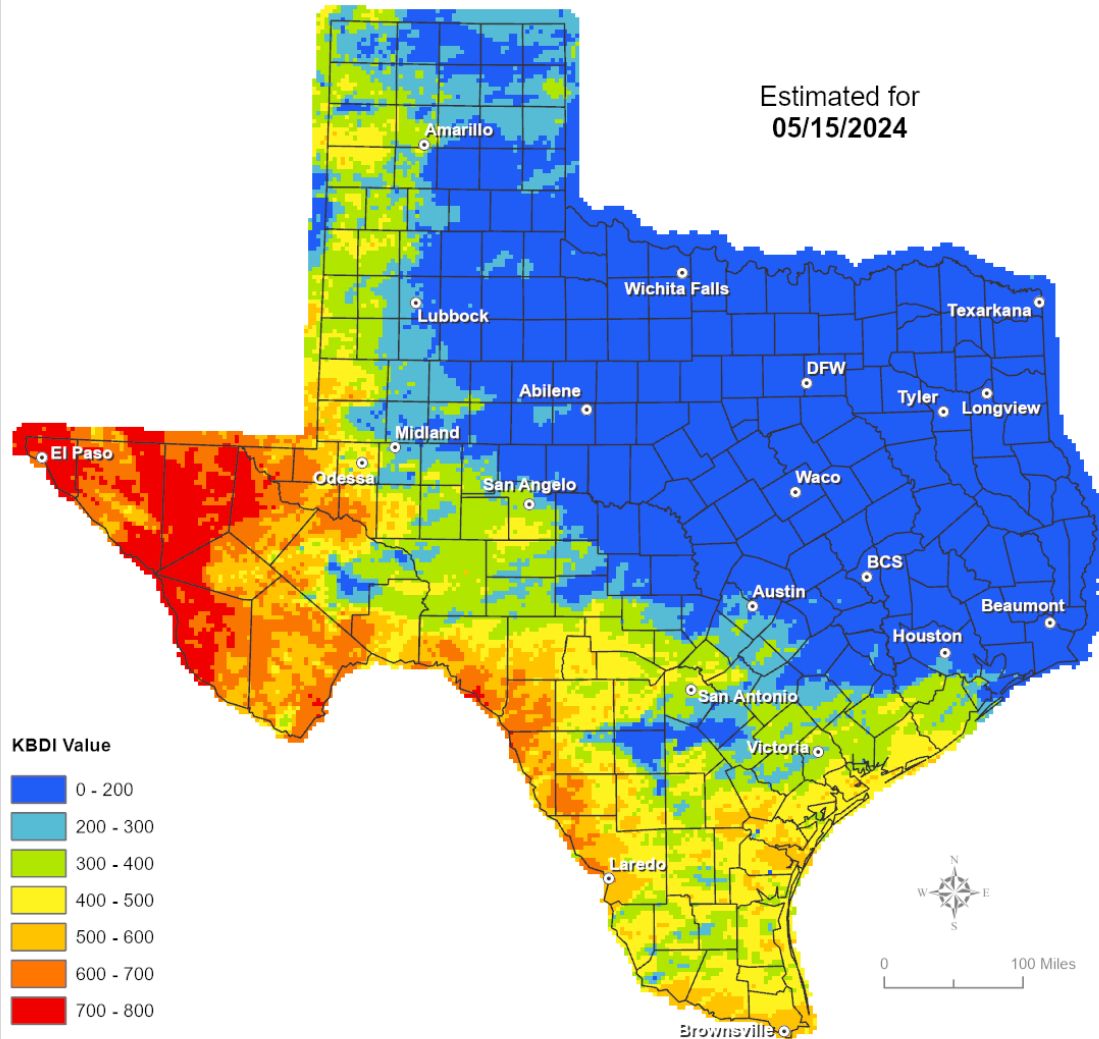
RED FLAG WARNINGS: [www.weather.gov](http://www.weather.gov)  
 Additional map formats available at <https://tfsweb.tamu.edu/Burnbans/>

# Keetch-Byram Drought Index

## Keetch-Byram Drought Index

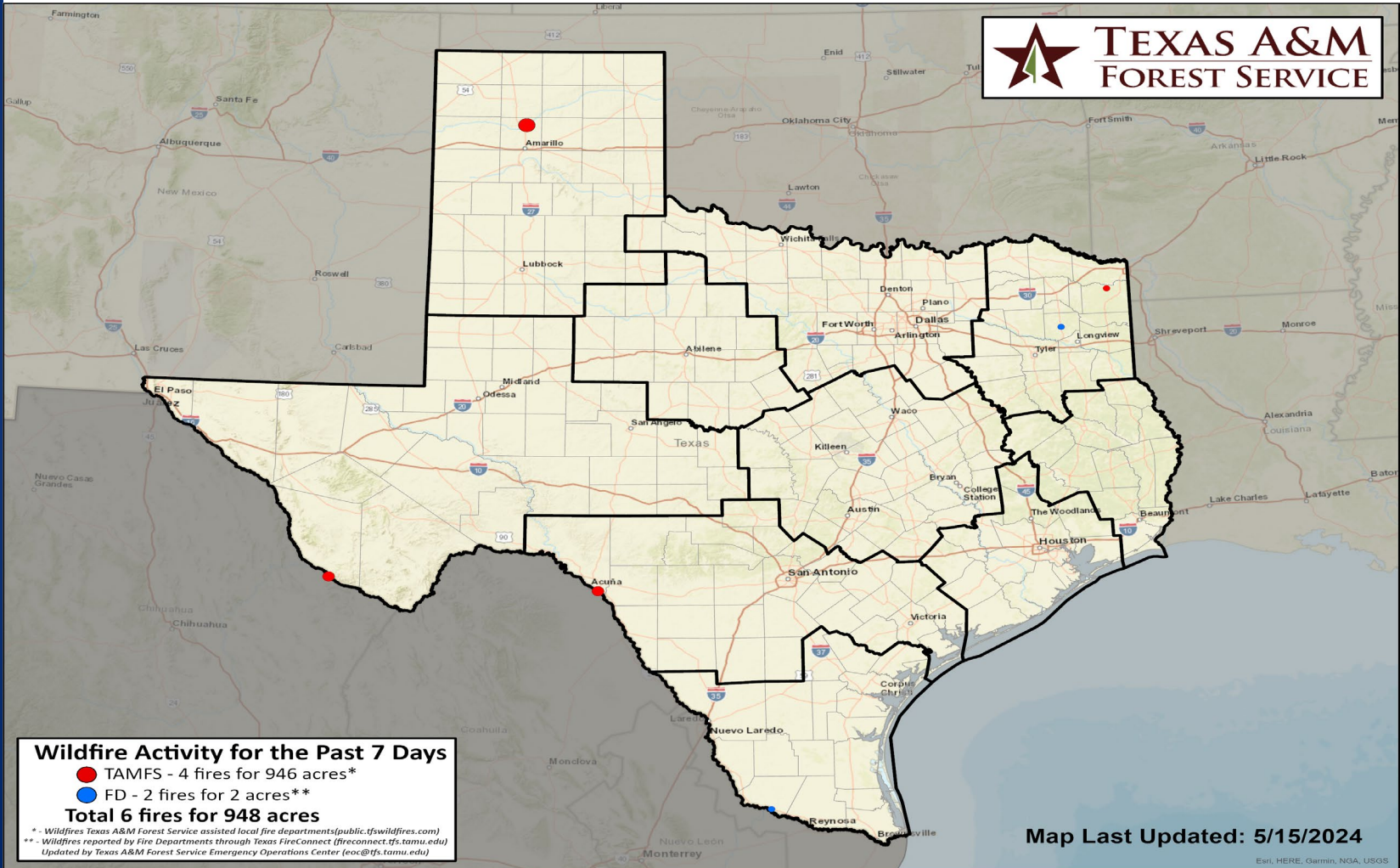
(4 km x 4 km resolution)

Estimated for  
05/15/2024



# Fire Activity (\*Last 24 Hours)

Report of 179 (+2) fires and 1,248,542 (+750) acres have been burned this year. There are 68 (No Change) counties with burn bans. The Keetch-Byram Drought Index list contains 46 (+3) counties with an average over 400.





# Training

| DATES    |          | TITLE  | COURSE    | LOCATION   |
|----------|----------|--|-----------|------------|
| 04/11/24 | 05/17/24 | Texas EMC Response to Recovery   | TX-2000   | Bryan      |
| 05/13/24 | 05/16/24 | NIMS ICS All-Hazards Position Specific Plans Section Chief Course      | E/L-962   | Austin     |
| 05/13/24 | 05/16/24 | Information Technology Service Unit Leader Training Course             | ITSL      | Houston    |
| 05/14/24 | 05/16/24 | NIMS ICS All-Hazards Finance/Administration Section Chief (FSC) Course | E/L-973   | Austin     |
| 05/14/24 | 05/16/24 | Public Information Basics  | E/L-105   | Canyon     |
| 05/14/24 | 05/16/24 | Preventative Radiological/Nuclear Detection Remote                     | PRNDOR    | Houston    |
| 05/15/24 | 05/16/24 | HazMat Incident Command (Certification Course)                         | H-502     | Texas City |
| 05/15/24 | 05/17/24 | Advanced Incident Command System for Complex Incidents, ICS 400        | G/ICS-400 | Edinburg   |
| 05/15/24 | 05/17/24 | Texas Disaster Accounting 101  | T-600     | Galveston  |

# Training

| DATES    |          | TITLE   | COURSE    | LOCATION |
|----------|----------|---|-----------|----------|
| 05/16/24 | 05/16/24 | Texas Public Officials Workshop                                 | T-PUB200  | Jasper   |
| 05/16/24 | 05/17/24 | Advanced Incident Command System for Complex Incidents, ICS 400 | G/ICS-400 | Magnolia |
| 05/16/24 | 05/17/24 | Advanced Incident Command System for Complex Incidents, ICS 400 | G/ICS-400 | Austin   |

# Statewide Significant Events

| DATES    |          | LOCATION | EVENT                                     |
|----------|----------|----------|---|
| 05/16/24 | 05/19/24 | Dallas   | National Rifle Association Annual Meeting |

# Exercises

| DATES    |          | AGENCY/LOCATION                   | TYPE: EXERCISE NAME  |
|----------|----------|-----------------------------------|--|
| 05/14/24 | 05/16/24 | 1st Armored Division/Fort Bliss   | Fort Bliss Mobilization Tabletop Exercise (As Fast As Possible Large Scale Mobility Operation Tabletop Exercise) |
| 05/14/24 | 05/16/24 | Entergy Texas Inc./The Woodlands  | Hurricane Readiness Drill  |
| 05/17/24 | 05/17/24 | LCRA Transmission Services/Austin | LCRA Transmission Services Summer and Hurricane preparedness Drill   |