



# Austin/San Antonio Weather Forecast Office WEATHER EVENT SUMMARY

## Hail, Wind, and Tornado Events

22-25 March 2021



**Straight-line wind damage in Bertram, TX**



# South-Central Texas Severe Weather Events of March 22<sup>nd</sup>-25<sup>th</sup>, 2021

## Event Summary

### Overview

Two potent upper-level disturbances and associated cold fronts triggered rounds of thunderstorms during the evening hours of March 22<sup>nd</sup> into the early morning of March 23<sup>rd</sup> and again during the evening of March 24<sup>th</sup> into the early morning of March 25<sup>th</sup>.

The first event produced scattered severe thunderstorms containing large hail across portions of the Hill Country and I-35 corridor eastward. In addition, a National Weather Service survey team found evidence of a tornado that occurred on the west side of Canyon Lake, in Comal County, producing wind damage ranked as EF-1 on the Enhanced Fujita scale, with peak winds estimated at 100 mph. Sporadic tree damage and power pole damage was observed along and near Canyon Lake Drive and Rimrock Pass. In addition, a single-family home had a portion of its roof torn off.

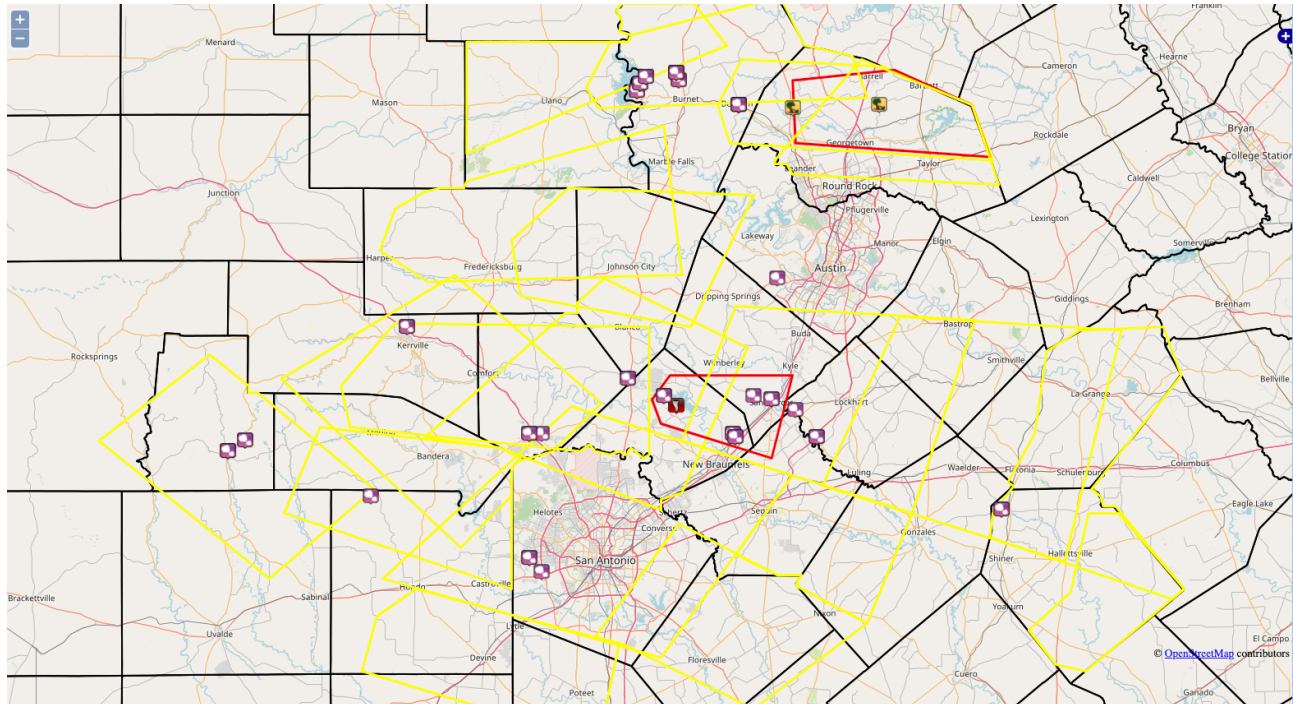
Farther north, in Burnet and Williamson Counties, a National Weather Service damage survey of Bertram, as well as areas rural areas in Western Williamson County, found evidence of wind damage as the result of severe microburst winds. In particular, building damage in Bertram occurred right along Highway 29 in between FM 243 and North East Street. Roof damage was observed at several businesses as well as roof/wall failures of two buildings near the Highway 29 and North Grange Street intersection. Damage was blown generally west to east with estimated winds at 75 mph. The damage was highly concentrated in this area of Bertram, with no direct evidence of a tornado. Flying debris caused additional damage, including broken windows at the Bertram library. As the severe thunderstorm moved east along Highway 29, additional roof damage was observed near Reed Circle. The severe storm continued east and moved into western Williamson County. Tree and roof damage was observed just east of Highway 183 on Live Oak Trail. This area of wind damage matched up with an area of severe winds seen on the KGRK radar.

The second event produced scattered severe thunderstorms that contained large hail. Hail was reported along the Rio Grande near Del Rio, through portions of the Hill Country, as well as in the Austin metro area. In particular, the severe thunderstorm that moved through Travis County, produced a swath of quarter to up to lime sized hail through central and northeast Austin during the early morning hours on March 25<sup>th</sup>.

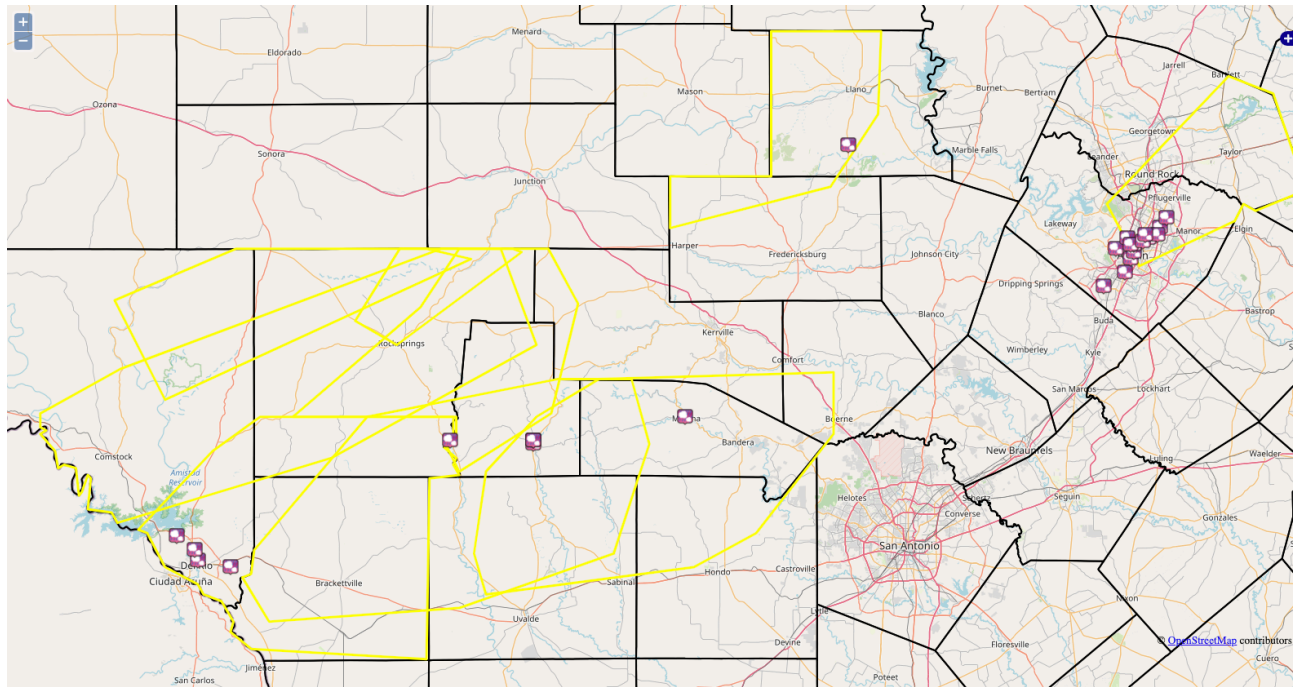


# Warning and Storm Report Maps

## March 22<sup>nd</sup>-23<sup>rd</sup> Severe Weather Event



## March 24<sup>th</sup>-25<sup>th</sup> Severe Weather Event



Hail

Wind

Tornado

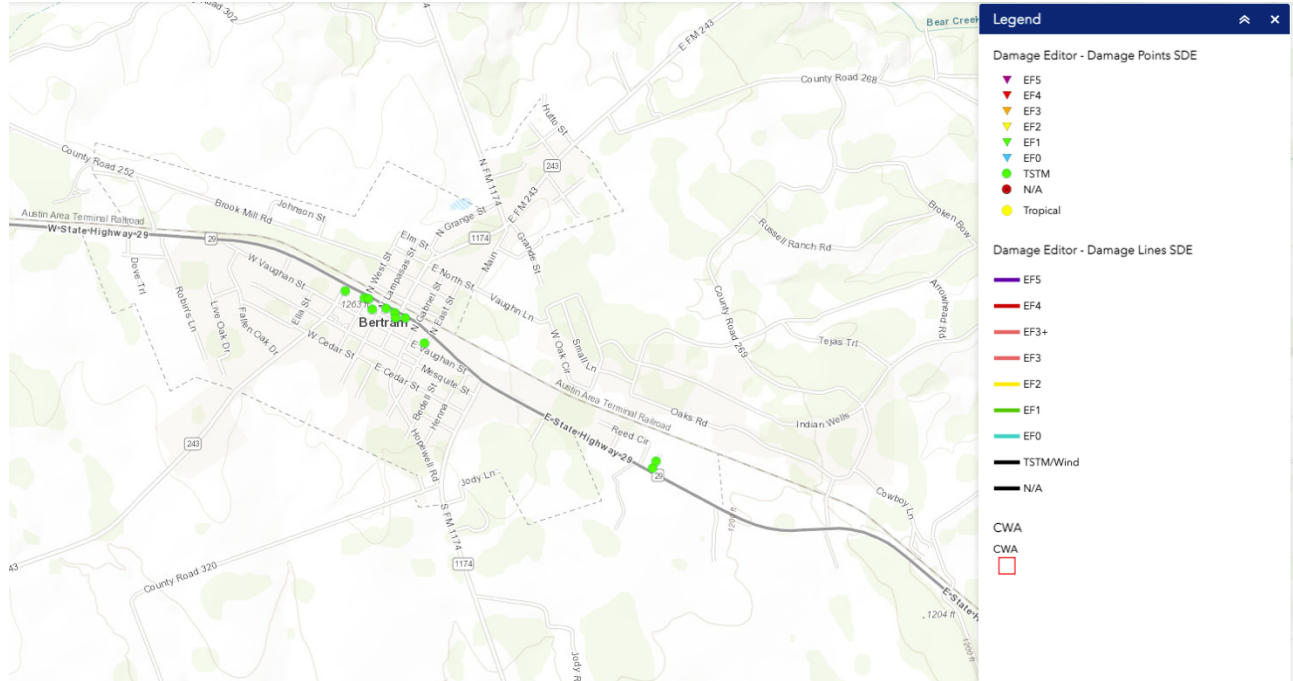
**Yellow Lines: Severe Thunderstorm Warnings**

**Red Lines: Tornado Warnings**

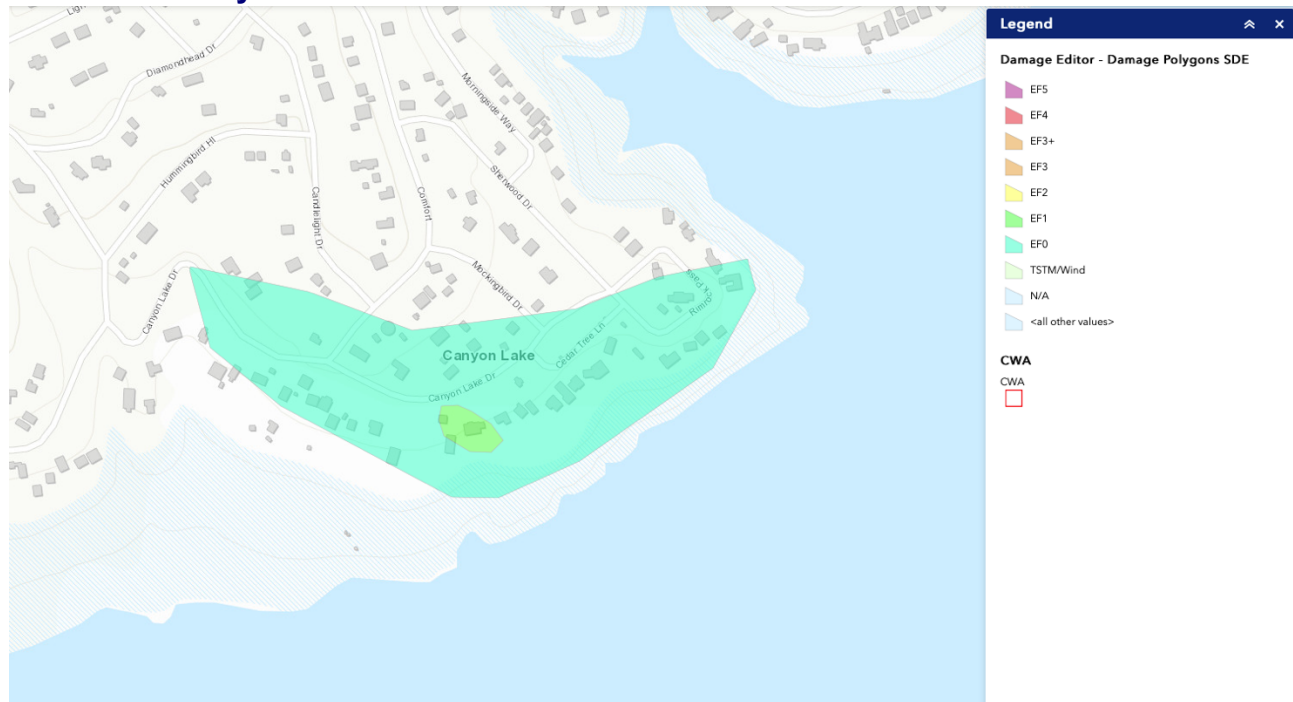


# Storm Survey Maps

## March 22<sup>nd</sup> Bertram Straight-Line Winds

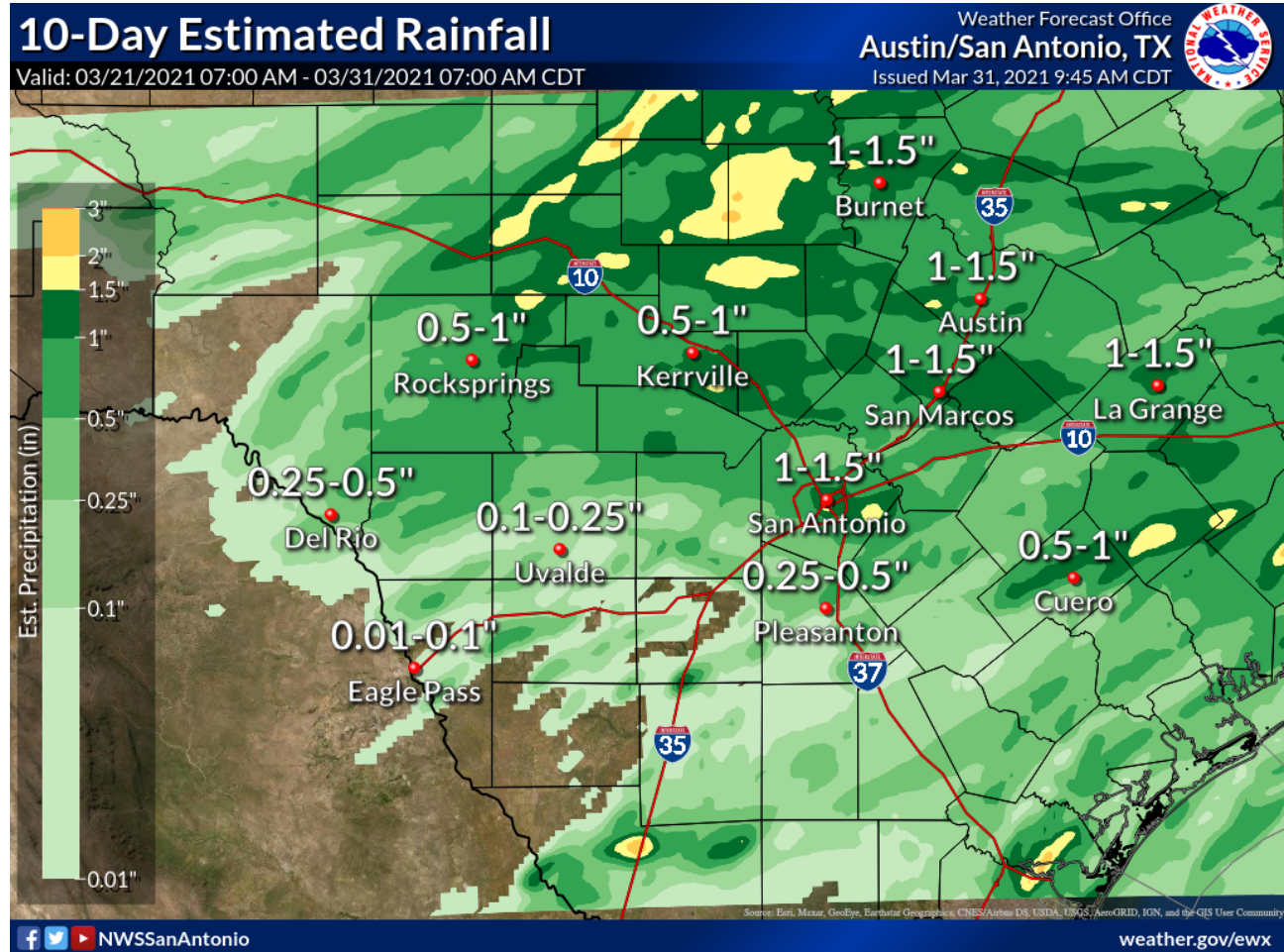


## March 23<sup>rd</sup> Canyon Lake Tornado





# Rainfall Map





# Event Photos

## March 22<sup>nd</sup> Bertram Straight-Line Winds



Photos: NWS Storm Survey

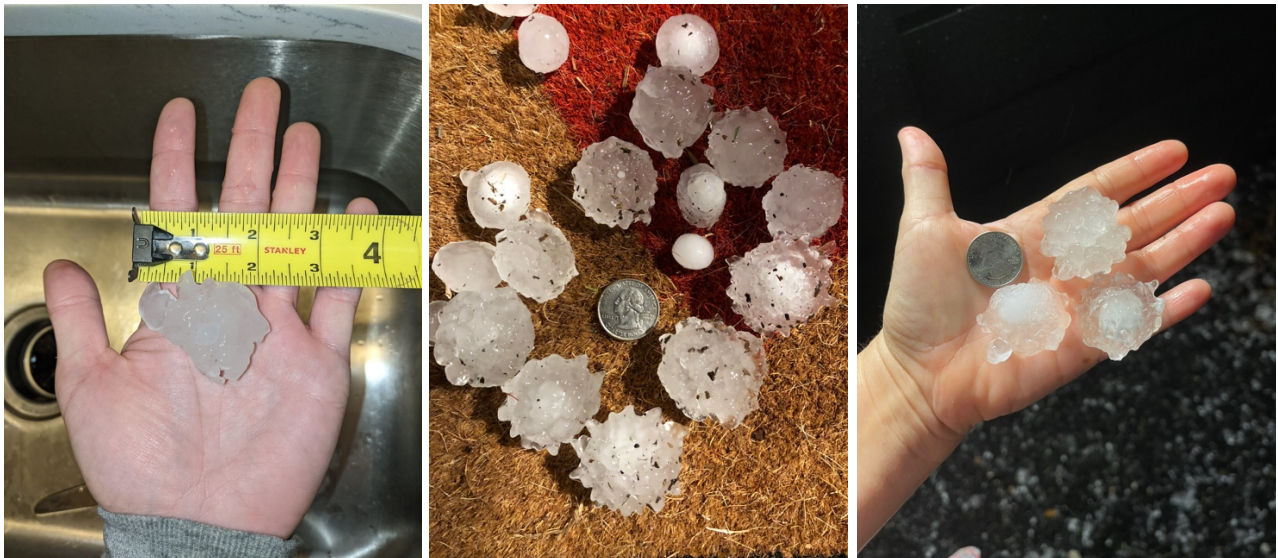


### March 23<sup>rd</sup> Canyon Lake Tornado



Photos: NWS Storm Survey

### March 25<sup>th</sup> Austin Hail



Photos: N. Kotsovolos, C. Hatfield, L. Briones

### March 22<sup>nd</sup> Hail Near Burnet and Leakey



Photos: J. Kinter Jr., L Davenport