



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 22nd-25th, 2021

Event Summary

Overview

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

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.

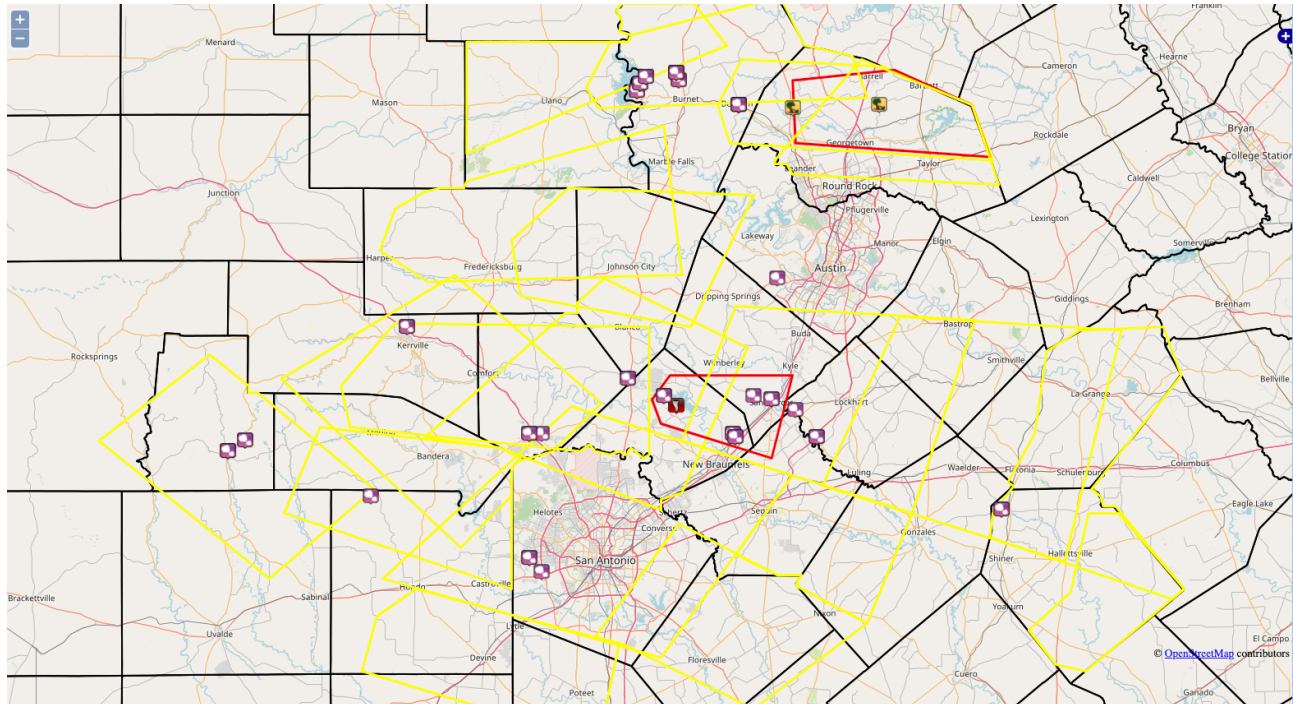
Farther north, in Burnet and Williamson Counties, a National Weather Service damage survey of Bertram, as well as areas rural areas in Western Williamson County, found evidence of wind damage as the result of severe microburst winds. In particular, building damage in Bertram occurred right along Highway 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 25th.

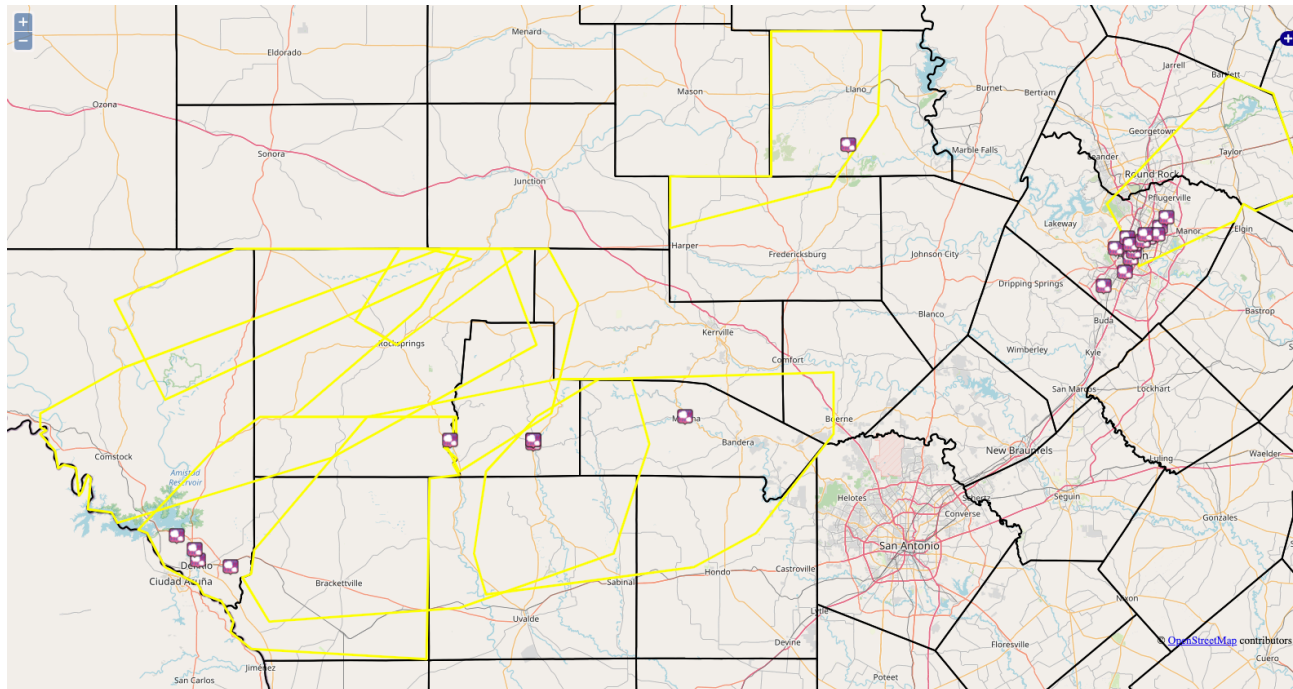


Warning and Storm Report Maps

March 22nd-23rd Severe Weather Event



March 24th-25th Severe Weather Event



Hail

Wind

Tornado

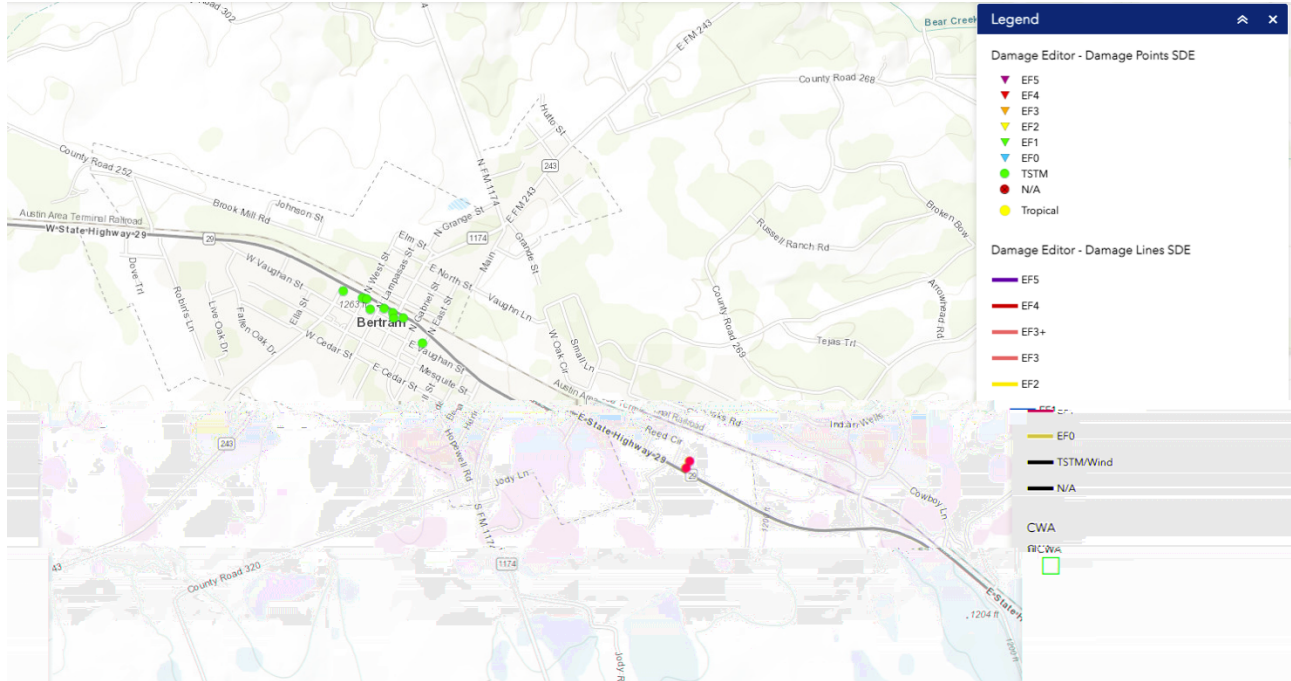
Yellow Lines: Severe Thunderstorm Warnings

Red Lines: Tornado Warnings

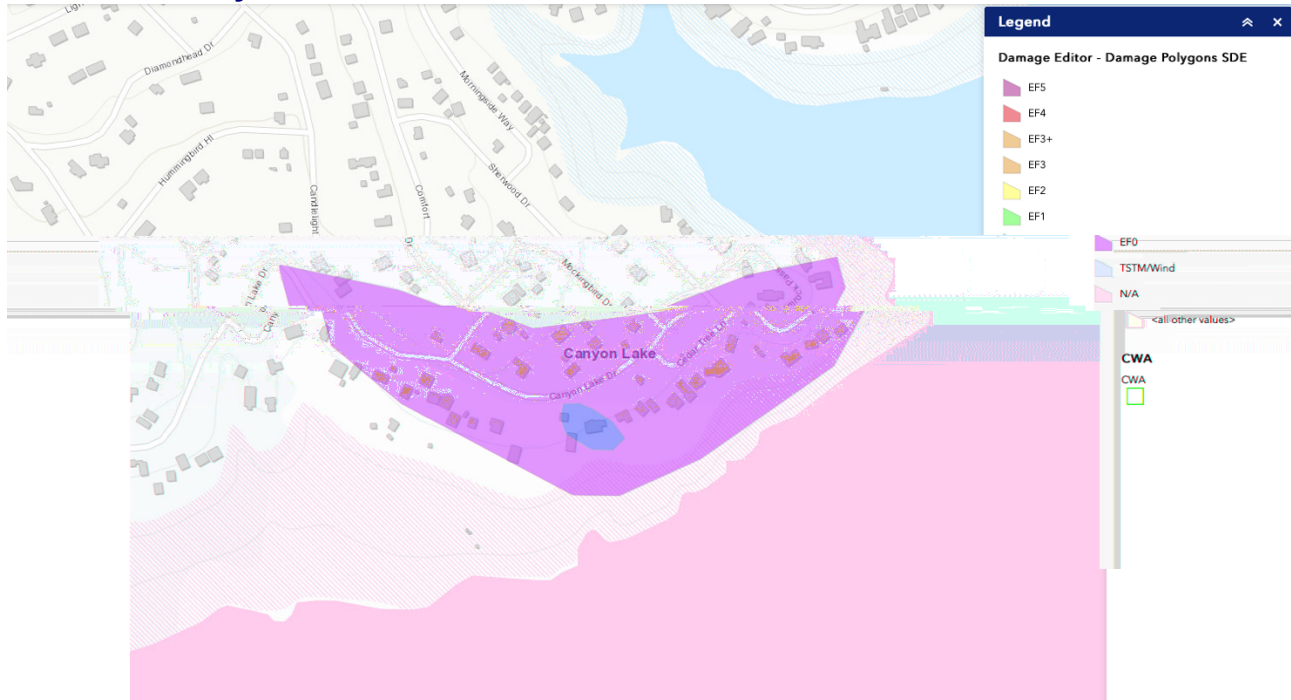


Storm Survey Maps

March 22nd Bertram Straight-Line Winds

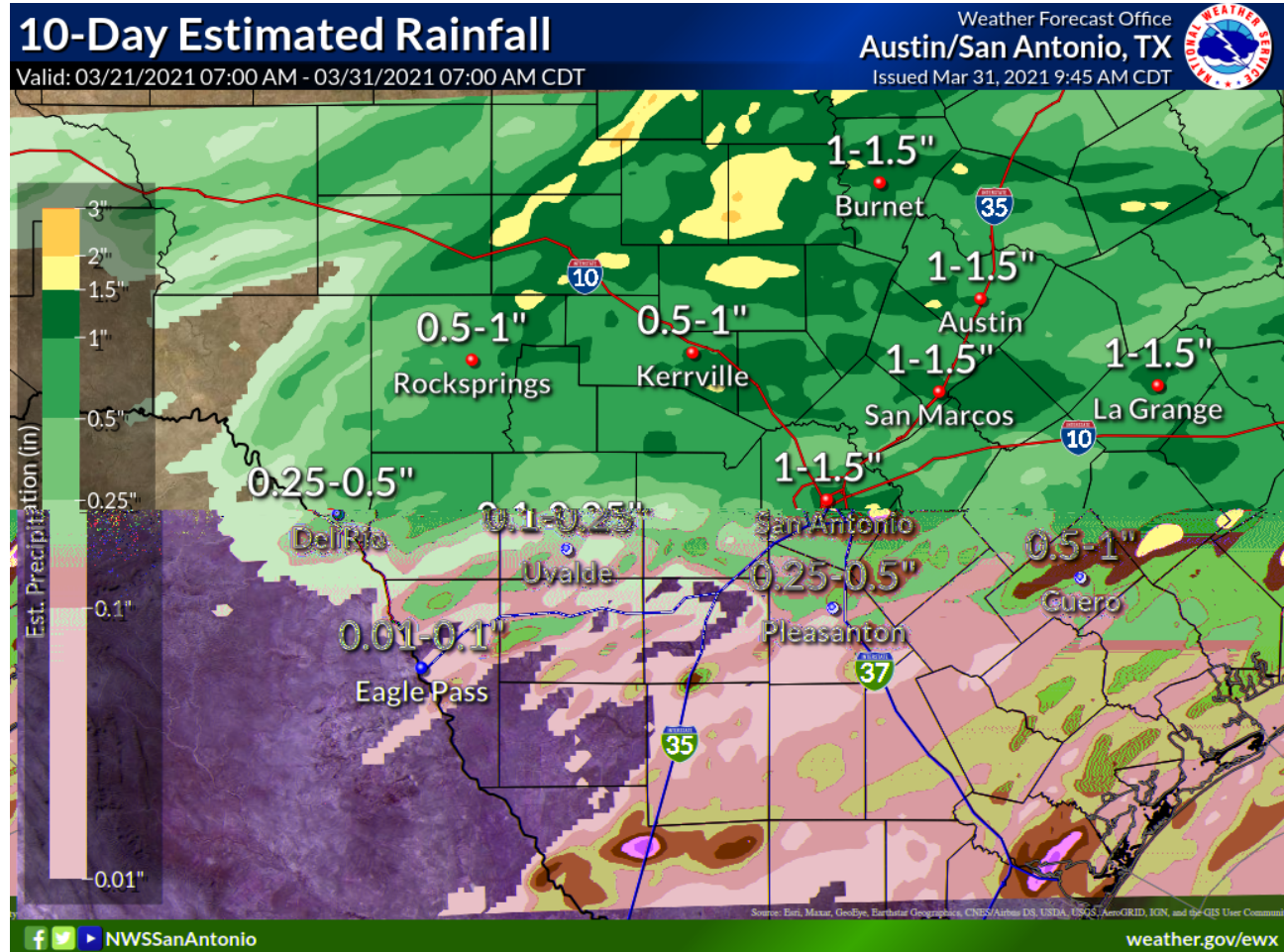


March 23rd Canyon Lake Tornado





Rainfall Map





Event Photos

March 22nd Bertram Straight-Line Winds



Photos: NWS Storm Survey

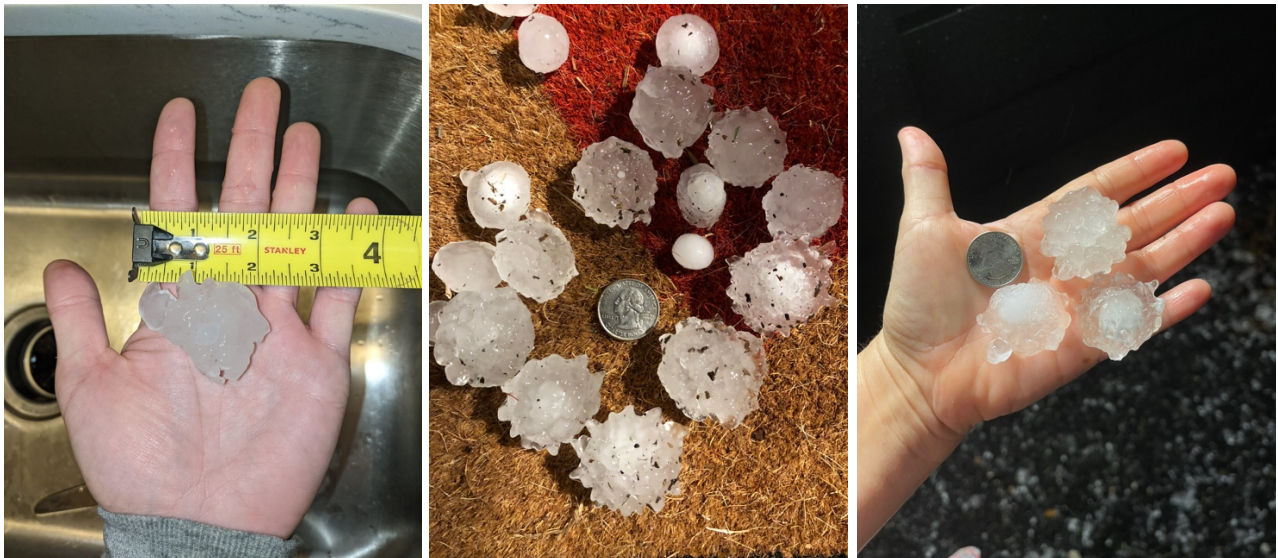


March 23rd Canyon Lake Tornado



Photos: NWS Storm Survey

March 25th Austin Hail



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

March 22nd Hail Near Burnet and Leakey



Photos: J. Kinter Jr., L Davenport