

St Petersburg Storm Survey

At approximately 5:08 PM, damage occurred at an Exxon gas station located at 2929 28th St N in St Petersburg (see #1 on map). A car was parked (oriented N-S) near the pump on the west side of the gas station. Reports indicate that the car began to turn on its side immediately before the canopy over the pumps also was knocked over. The canopy fell alongside the gas station building and over the top of the car, trapping the one female passenger inside the car. The passenger was rescued and taken to the hospital without life threatening injuries. Based on the canopy structure, along with no evidence of any other damage in the immediate vicinity of the gas station, winds were estimated at approximately 90 mph at this location. The winds were likely further accelerated at this particular point due to its orientation just to the east of an intersection (rather open area compared to other locations in the immediate vicinity).

At location #2 on the map, there was also damage noted. The address was 3040 Morris St N. A portion of a wood roof was lifted off the west side of a commercial building. The damage blown to the east on either side of the building. Immediately across the street from this building, located along an alleyway in between commercial buildings and homes, there was a tree uprooted, a power pole blown down, as well as portions of a wooden fence destroyed and large garbage bins, all blown from west to east down the alley. Winds in this location were estimated to be between 80 and 90 mph.

Even further to the east, located at 3128 Xenia St N, a large tree was split at the base and fell in the front yard of a home (located just east of a clearing, landing on a vehicle parked in front of the home). Winds at this location were estimated to be between 60 and 70 mph.





This is looking north at the gas station. The canopy is resting on the top of the car.



This is looking towards the east at the gas station.



The bases of the canopy supports were rusted through.



The following pictures are from Morris St N:



This was one of two roof panels that blew off the western side of the building at 3040 Morris St. N. This picture is facing west.



This was on the south side of the building, the other portion of the roof that blew off.



Roof that blew off western side of building.



Tree uprooted across from roof damage along an alleyway.
Did not do any damage to structures, but did uproot a sewer line.

From Xenia St:



Apollo Beach Storm Survey

Damage to a home in Apollo Beach was reported on Cambridge Park Dr in Covington Park. The home sits to the east of a small clearing. A trampoline was blown over and destroyed in the back yard (west side of the home) as well as a heavy outdoor table and chairs were blown around to the side of the home. Multiple shingles were blown off of the peak of the roof, with damage also noted to the soffit on the same side (western) of the home.





Hernando County, Brooksville Area Storm Survey:

At approximately 4:30 pm the main line of thunderstorms moved over western Hernando County and caused damage to several properties around Spring Hill, mostly tree damage over US Highway 41 and Ferry Ave, and broad vegetation damage around western and central Hernando County (see Figure 1).

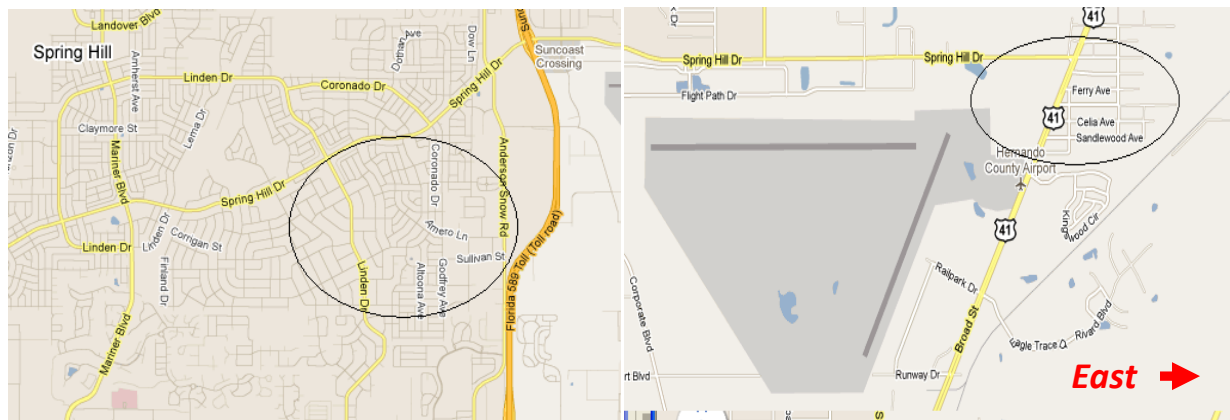


Fig. 1: Survey Sites, East Spring Hill and Ferry Avenue in Western Hernando County

Figures 2 through 5 show the most significant damage observed in Spring Hill, where a residence on Indigo Drive had its roof removed due to the damages inflicted by the wind. Another house, also on Indigo Drive, had portions of the shingles blown away, a satellite dish and gutters torn off. A third residence on Matthew Avenue suffered damage to the pool cage, which collapsed onto the pool area. Some of the shingles were also blown away.

The other surveyed location was near the intersection of US Highway 41 and Ferry Avenue. Figures 6 through 12 show the most significant damage observed, mainly large trees uprooted or with large branches snapped. It was noticed that most of the houses, either manufactured or mobile homes, suffered very little or no damage at all. Some houses were next to or between trees that had been broken or uprooted. Most of the debris on the ground had a west-to-east orientation.

From the data collected during the storm survey, it was concluded that the damage experienced over the aforementioned sites was caused by straight-line winds associated with the main line of thunderstorms that moved across West Central Florida during the late afternoon and evening hours on Tuesday January 25. The intensity of the winds was estimated to be between 60 and 70 mph, with possible gusts to 80 mph. No injuries were reported during the event.



Fig. 2: House on Indigo Street in Spring Hill had significant roof damage due to the strong winds.



Fig. 3: Satellite dish, along with some aluminum gutters, resting on the ground on Indigo Street in Spring Hill.



Fig. 4: Collapsed pool cage on Matthew Avenue in Spring Hill.



Fig. 5: Shingles missing on a house on Matthew Ave, Spring Hill.



Fig. 6: Large broken branches at US Highway 41 and Ferry Avenue.



Fig. 7: Large tree broken in half on Ferry Avenue.



Fig. 8: Large tree downed by the strong winds on Ferry Avenue.



Fig. 9: Small tree uprooted on Ferry Avenue.



Fig. 10: Carport partially collapsed, gutters partially torn off on Ferry Ave.



Fig. 11: Large tree branches torn off by the strong winds at US Highway 41 and Ferry Avenue.



Fig. 12: Broken street sign on Ferry Avenue.

Polk County Survey

Around 6 PM Tuesday evening the line of thunderstorms moved across western Polk County producing straight-line wind gusts up to 50 mph. These winds destroyed a mobile home located on the west side of Lakeland as seen in the images below. It was determined to be straight-line winds based on things in the surrounding area, such as the trees that only had small twigs and branches broken off of them and there were no indications of rotation with the debris all spread toward the east.



