



MIAMI-SOUTH FLORIDA
National Weather Service
Forecast Office
<http://www.weather.gov/miami>

Tornado Survey Summary:

Boca Raton/Delray Beach/Kings Point EF-2 Tornado

September 27th, 2022

A strong tornado associated with an outer rain band of Hurricane Ian moved over parts of Boca Raton and unincorporated Delray Beach in Palm Beach County on Tuesday evening September 27th, 2022.

Rating: EF-2
Estimated peak wind: 125 mph
Path length (statute): 6 miles
Path width (maximum): 200 yards
Fatalities: 0
Injuries: 2

Start date: Sep 27 2022
Start time: 8:59 PM EDT
Start location: Boca Raton, FL
Start lat/lon: 26.3707/-80.1055

End date: Sep 27 2022
End time: 9:15 PM EDT
End location: 3 W Delray Beach
End_lat/lon: 26.4643/-80.1479

Survey summary

A strong tornado affected portions of Boca Raton and unincorporated Delray Beach on the evening of September 27th, 2022. The beginning of the identified damage was at the Florida Atlantic University Campus in Boca Raton, where siding was torn off of a building. Doppler radar showed evidence of strong rotation along the track, however damage reports are unavailable for the remainder of the Boca Raton portion of the track. EF-0 damage was noted at the American Heritage School just south of Linton Blvd where trees were uprooted and fences were damaged.

The tornado intensified after crossing Linton Blvd and entered the Kings Point community. Considerable damage to condominium buildings, trees, and vehicles was noted. EF-1 and EF-2 damage was common in Kings Point. The roof was completely lifted off of a small two-story building complex, with an adjacent larger two-story building complex having about 25% of its roof lifted. Several palm trees were snapped at the middle, and one of the snapped palm trees crashed into a second story unit and tore a large hole into the wall. A few cars were flipped and moved, and many large tree branches were snapped at the top of the tree canopies.

In Kings Point, 2 people were injured in their homes when their roof collapsed. One person was rescued from her bathroom after her roof collapsed. A total of about 30 people were evacuated.

Just north of the Kings Point community, large tree branches were broken off trees at a Home Depot parking lot at Jog Road and Atlantic Avenue. The tornado continued north of Atlantic Avenue and entered the Villages of Oriole where EF-1 damage was observed to a few homes, mainly in the form of roof uplift and loss of roof covering/shingles. The tornado lifted in the area of Jog Road and N. Oriole Blvd.

EF scale: The Enhanced Fujita scale classifies tornadoes into the following categories.

EF0...weak.....65 to 85 mph
EF1...weak.....86 to 110 mph
EF2...strong....111 to 135 mph
EF3...strong....136 to 165 mph
EF4...violent...166 to 200 mph
EF5...violent...>200 mph*

Note:

The information in this statement is preliminary and subject to change pending final review of the event and publication in NWS Storm Data.