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Public Information Statement
National Weather Service Charleston SC
928 PM EDT Tue Aug 6 2024

...NWS Damage Survey for August 5, 2024 Edisto Beach Tornado...

..Edisto Beach Tornado...

Rating: EF1
Estimated Peak Wind: 97 mph
Path Length /statute/: 2.89 miles
Path Width /maximum/: 300 yards
Fatalities: 0
Injuries: 0

Start Date: 08/05/2024
Start Time: 09:35 PM EDT
Start Location: 4 S Edisto Island / / SC
Start Lat/Lon: 32.5023 / -80.2962

End Date: 08/05/2024
End Time: 09:45 PM EDT
End Location: 4 SW Edisto Island / Charleston County / SC
End Lat/Lon: 32.525 / -80.3376

Survey Summary:

The tornado, which originated in an outer rain band associated with Tropical Storm Debby over the nearshore Atlantic waters, moved onshore at Edisto Beach, near the intersection of Highway 174 and Palmetto Blvd. As the tornado moved onshore, it removed roof decking, roof shingles and siding to several homes. The Enmarket gas station also had some roof damage and air conditioning units thrown from the roof. The tornado then moved northwestward over a marsh region, snapping many hardwood trees and uprooting numerous trees along Palmetto Road. From Palmetto Road, the tornado continued on a northwest path crossing over Fishing Creek Drive. At this location, the tornado did considerable damage to several homes. It removed the entire roof of at least three homes and part of the roof decking to at least one more. The tornado was given its highest EF1 rating in this area, with maximum winds estimated to be around 97 mph. Beyond this location, the tornado continued northwest, dissipating over the marsh region north of Palmetto Road. Note: there were likely additional structures damaged along the path of the tornado, but the amount of time to conduct the survey was limited.

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EF Scale: The Enhanced Fujita Scale classifies tornadoes into the following categories:

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

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