

Public Information Statement...Updated

National Weather Service Melbourne FL

320 PM EDT TUE SEP 19 2017

NWS damage surveys for September 10, 2017 tornadoes associated with Hurricane Irma

- Surveys conducted on September 11-13 and 15-16, 2017
- Nine tornadoes confirmed within Brevard, Volusia and Lake Counties
- Rockledge Tornado updated to EF-1

...Melbourne Beach Tornado...

Rating: EF-0

Estimated Peak Wind: 70-80 mph

Path Length /statute/: 0.20 miles

Path Width /maximum/: 50 yards

Fatalities: 0

Injuries: 0

Start Date: 09-10-2017

Start Time: 919 am EDT

Start Location: 1 SSE Indialantic

Start Lat/Lon: 28.0701, -80.5584

End Date: 09-10-2017

End Time: 919 am EDT

End Location: 1 SSE Indialantic

End Lat/Lon: 28.0701, -80.5584

Survey Summary: Based on a NWS storm survey, a waterspout moved onshore Melbourne Beach near Avenue B, causing minor damage to the second floor of two homes. The brief EF-0 tornado with winds estimated at 70 to 80 mph continued inland and dissipated just west of Highway A1A.

...Turkey Creek Tornado...

Rating: EF-1

Estimated Peak Wind: 100-110 mph

Path Length /statute/: 1.33 miles

Path Width /maximum/: 75 mph

Fatalities: 0

Injuries: 0

Start Date: 09-10-2017

Start Time: 1100 am EDT

Start Location: 4 SSW Indialantic

Start Lat/Lon: 28.0317, -80.5755

End Date: 09-10-2017

End Time: 1102 am EDT

End Location: 5 SSW Indialantic

End Lat/Lon: 28.0276, -80.5968

Survey_Summary: Based on a NWS storm survey, a waterspout that developed on the Indian River moved onshore and damaged several residences on Worth Court, including a waterfront home whose second floor was removed and carried downwind. The EF-1 tornado (estimated 100 to 110 mph) continued across US-1, causing minor roof damage to a university building. The tornado then impacted over a dozen mobile homes within Palm Bay Estates, several of which were heavily damaged or destroyed. The tornado continued west, just to the north of Turkey Creek, damaging many trees and several additional homes before moving through a school campus before dissipating near the Harris Corporation.

...Indialantic Tornado...

Rating: EF-1
Estimated Peak Wind: 90-100 mph
Path Length /statute/: 1.21 miles
Path Width /maximum/: 75 yards
Fatalities: 0
Injuries: 0
Start Date: 09-10-2017
Start Time: 1124 am EDT
Start Location: 0 W Indialantic
Start Lat/Lon: 28.0943, -80.5665
End Date: 09-10-2017
End Time: 1126 am EDT
End Location: 1 NW Indialantic
End Lat/Lon: 28.1031, -80.5836

Survey_Summary: A NWS storm survey revealed that a waterspout moved onshore the barrier island in Indialantic near Highway A1A and 1st Avenue. The EF-1 tornado (winds estimated 90-100 mph) removed part of the roof of a beachfront condo and carried it across the highway, where it landed on a bank. The tornado then weakened as it traveled west-northwest, producing damage to trees and roof shingles and soffits of several homes along a narrow path across the barrier island, exiting to the Indian River near Cedar Lane and West Riveria Boulevard.

...Mims Kilbee Street Tornado...

Rating: EF-2
Estimated Peak Wind: 115-125 mph
Path Length /statute/: 1.55 miles
Path Width /maximum/: 125 yards
Fatalities: 0
Injuries: 0
Start Date: 09-10-2017
Start Time: 548 pm EDT
Start Location: 2 N Mims
Start Lat/Lon: 28.6864, -80.8366
End Date: 09-10-2017
End Time: 550 pm EDT
End Location: 2 NNW Mims
End Lat/Lon: 28.6943, -80.8606

Survey_Summary: Based on a NWS storm survey, a tornado developed just west of the intersection of Brockett Road and Hammock Road in Mims. The tornado snapped many trees and partially removed the roof from a mobile home on Brockett Road (strong EF-1 strength), then moved through a wooded area before reaching near the north end of Nab Street and the east end of Benson Court. A pickup truck near the corner of Benson Court and Lisa Drive rolled about 30 feet west into the fence of an adjacent yard. The tornado strengthened to EF-2 intensity with estimated wind speeds of 115 to 125 mph as it affected homes on Kilbee Street, Turnbull Road, and Brevard Road. Numerous homes were impacted and several were left uninhabitable due to severe roof damage. A number of trees were snapped and uprooted as the tornado continued west northwest across Old Dixie Highway. The tornado dissipated shortly after crossing US Highway 1 near Roosevelt Road.

...Mims Northgate Mobile Home Park Tornado...

Rating: EF-1
Estimated Peak Wind: 90-95 mph
Path Length /statute/: 0.48 miles
Path Width /maximum/: 60 yards
Fatalities: 0
Injuries: 0
Start Date: 09-10-2017
Start Time: 600 pm EDT
Start Location: 2 NNW Mims
Start Lat/Lon: 28.6894, -80.8551
End Date: 09-10-2017
End Time: 601 pm EDT
End Location: 2 NNW Mims
End Lat/Lon: 28.6926, -80.8622

Survey_Summary: Based on a NWS storm survey, an EF-1 tornado, with estimated wind speeds between 90 to 95 mph, snapped and uprooted several trees as it developed near Old Dixie Highway. The tornado continued across US Highway 1 and the northern portion of the Northgate Mobile Home and RV Park, damaging over a dozen homes, several of which experienced partial roof removal. In addition, several power poles snapped in the development and one landed on a home. The tornado also rolled several unoccupied RV's onto to their sides, which were being stored in a parking lot between US Highway 1 and the mobile home park.

...Umatilla Tornado...

Rating: EF-1
Estimated Peak Wind: 95-100 mph
Path Length /statute/: 3.84 miles
Path Width /maximum/: 500 yards
Fatalities: 0
Injuries: 0
Start Date: 09-10-2017
Start Time: 626 pm EDT
Start Location: 5 WSW Paisley
Start Lat/Lon: 28.9394, -81.6238
End Date: 09-10-2017
End Time: 630 pm EDT
End Location: 2 WNW Umatilla
End Lat/Lon: 28.9352, -81.6871

Survey_Summary: A NWS storm survey revealed an EF-1 tornado with estimated wind speeds between 95 and 100 mph developed near East 8th Avenue in Umatilla, uprooting and snapping several trees in an open field. The tornado moved toward a residential neighborhood between East 8th Avenue and East Collins Street and peeled back the roofs from several homes and uprooted numerous trees. Damage continued into North Lake Community Park where a scoreboard was toppled and three power lines were snapped. The tornado moved across Lake Pearl and into the Olde Mill RV resort where it destroyed approximately ten recreational vehicles and damaged at least 25 others. The tornado continued west toward downtown Umatilla and damaged the roofs of the Umatilla Inn, an elementary school, and a home on Babb Road.

...Ormond Beach Tornado...

Rating: EF-1

Estimated Peak Wind: 100-110 mph

Path Length /statute/: 0.78 miles

Path Width /maximum/: 175 yards

Fatalities: 0

Injuries: 0

Start Date: 09-10-2017

Start Time: 904 pm EDT

Start Location: 6 NNW Daytona Beach

Start Lat/Lon: 29.2901, -81.0572

End Date: 09-10-2017

End Time: 905 pm EDT

End Location: 4 NNW Holly Hill

End Lat/Lon: 29.2905, -81.0703

Survey_Summary: Based on a NWS storm survey, a waterspout moved onshore from the Halifax River near Dix Avenue and North Beach Street in Ormond Beach, causing tree damage and minor siding and shingle damage to a few two story homes. The tornado continued inland and produced strong EF-1 damage (estimated 100 to 110 mph) to several homes and trees near the intersection of Hernandez Avenue, North Ridgewood Avenue and Rosewood Avenue. Several homes sustained major roof damage. The tornado then downed trees and produced debris impact at the Ormond Beach Fire Station 93 and damaging the roofs of two commercial buildings near US Highway 1 and Wilmette Avenue. The tornado dissipated just west of US Highway 1.

...Rockledge Tornado...

Rating: EF-1
Estimated Peak Wind: 95-105 mph
Path Length /statute/: 0.30 miles
Path Width /maximum/: 60 yards
Fatalities: 0
Injuries: 0
Start Date: 09-10-2017
Start Time: 914 pm EDT
Start Location: 5 S Merritt Island
Start Lat/Lon: 28.2791, -80.6899
End Date: 09-10-2017
End Time: 915 pm EDT
End Location: 5 S Merritt Island
End Lat/Lon: 28.2809, -80.6944

Survey_Summary: A NWS storm survey confirmed that a waterspout moved onshore along Rockledge Drive near River Woods Drive and produced EF-1 tornado damage (winds estimated 95-105 mph) along a short track. Approximately six homes sustained significant roof damage and numerous trees were snapped or uprooted. A portion of one roof was removed and at least one other home had a portion of its metal roof peeled back. Several homes adjacent to the area of most significant damage also experienced a lesser degree of shingle damage. At least one screen patio was destroyed, several others were damaged and some fences were blown over and carried downwind.

...North Merritt Island Tornado...

Rating: EF-1
Estimated Peak Wind: 100-110 mph
Path Length /statute/: 3.36 miles
Path Width /maximum/: 100 yards
Fatalities: 0
Injuries: 0
Start Date: 09-10-2017
Start Time: 948 pm EDT
Start Location: 5 WNW Cape Canaveral
Start Lat/Lon: 28.4171, -80.6767
End Date: 09-10-2017
End Time: 950 pm EDT
End Location: 5 NNE Cocoa
End Lat/Lon: 28.4460, -80.7211

Survey_Summary: A NWS storm survey confirmed that a tornado formed on North Merritt Island within or southeast of The Savannahs subdivision, producing strong EF-1 damage (winds estimated 100-110 mph) to numerous homes on Savannahs Trail. Over a dozen homes sustained significant shingle damage and approximately six pool screen enclosures were destroyed. Numerous trees were snapped. The tornado continued northwest and crossed East Hall Road and Leilani Lane, producing tree and minor roof damage to a few homes. The tornado then traveled through the southern portion of the Island Lakes Mobile Home Park at EF-1 strength (estimated winds of 95 to 105 mph) and impacted over 25 mobile homes. Several mobile homes were destroyed and many others sustained moderate to major damage (the neighborhood was nearly completed evacuated for Hurricane Irma). The tornado then weakened, but toppled the steeple at the Orsino Baptist Church, after crossing North Courtney Boulevard. Tree damage and minor roof damage occurred along the remainder of the path until the Indian River was reached.

Analysis of additional damage reports associated with Hurricane Irma will continue over the next several days. Further tornadoes may be confirmed during the next several days.

The NWS thanks Lake County Emergency Management for assistance with the Umatilla storm survey and the Ormond Beach and Cape Canaveral Fire Departments for additional details.

EF0...Weak.....65 to 85 mph

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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 events and publication in NWS storm data.

Spratt/Ulrich/Rodriquez