

## = 1982 Florida subtropical storm =

The 1982 Florida subtropical storm , officially known as Subtropical Storm One , was the only subtropical cyclone of the inactive 1982 Atlantic hurricane season . The storm originated from two different systems around the Gulf of Mexico and Caribbean Sea on June 16 . The systems merged into trough while a circulation began to form off the coast of Florida on June 18 . The depression made landfall in Florida and strengthened into a storm over land . The storm entered the Atlantic Ocean and headed to the northeast , becoming extratropical on June 20 near Newfoundland . The storm was the only system of 1982 to affect the eastern half of the United States , and it caused three fatalities and caused \$ 10 million in damage ( 1982 USD , \$ 21 million 2007 USD ) .

## = = Meteorological history = =

The subtropical storm had an unusual origin by forming from an interaction of two different systems near the Yucatán Peninsula . This occurrence is unusual , but not unique , as Subtropical Storm One in the 1974 season formed in similar pattern . A reconnaissance flight on June 17 reported that there appeared to be multiple transient circulations at the surface , but no well @-@ defined center . The first disturbance can be traced back to June 15 in the northwest Caribbean Sea . The disturbance moved north , along with a low @-@ pressure area that formed over the Yucatán Peninsula . A trough merged with the low @-@ pressure area creating an even stronger trough over the eastern Gulf of Mexico . Conditions in the Gulf of Mexico were favorable for tropical storm formation . Some severe weather had been occurring over the Florida Peninsula as early as June 16 , as the fringes of disturbance moved across the Florida Straits and over the Peninsula .

A circulation began to form on June 18 in the eastern Gulf of Mexico , prompting gale warnings . It was declared Subtropical Depression One the same day . The depression made landfall on the morning of June 18 just north of Spring Hill , Florida and gained subtropical storm status over land . The storm was classified as Subtropical Storm One by the National Hurricane Center , as the rule was not to name subtropical storms . The subtropical storm moved to the northeast and crossed the Outer Banks of North Carolina on June 19 . Even though the minimum central pressures remained low , the circulation expanded and became distorted . The subtropical storm peaked at 70 mph winds ( 110 km / h ) on June 18 , but did not reach its minimum pressure until June 20 , when it dropped to 984 mbar ( 29 @.@ 07 inHg ) . The subtropical storm was declared an extratropical storm near the Canadian Maritimes the same day .

## = = Preparations = =

Several warnings were issued in association with the subtropical storm . On June 16 , severe thunderstorm watches and warnings were issued for Florida . The next day , more warnings were issued , including tornado , small craft , and special marine warnings . There were also various types of special weather statements issued for heavy rains . Five gale warnings were issued on June 18 and June 19 for the cities on the western coast of Florida . All warnings were discontinued by 12 p.m. EDT ( 1600 UTC ) June 19 . The same day , a gale warning was issued from Cape Henlopen , Delaware to Watch Hill , Rhode Island .

The subtropical storm postponed the bi @-@ annual Newport , Rhode Island to Bermuda sailboat race for two consecutive days due to the forecast one of the storm . Subsequent reports from sailboats said that with the track of the storm , if not for the delay , there would have been a marine disaster .

## = = Impact = =

In its main inflow band over Cuba , rainfall amounts up to 28 @.@ 66 inches ( 728 mm ) were recorded .

Most of the storm 's effects were felt in Florida where it made landfall on the morning of June 18 ,

causing gales , heavy rains , flooding , beach erosion and tornadoes . The highest winds were recorded at 41 mph ( 66 km / h ) and up to 48 mph ( 77 km / h ) during a thunderstorm at Macdill Air Force Base in Tampa on June 18 . Rainfall peaked at 10 @. @ 72 inches ( 272 @. @ 28 mm ) in Desoto City , while much of the rest of the state reported between 1 ? 5 inches ( 25 ? 125 inches ) of precipitation . High tides and waves caused flooding and beach erosion from Naples to the Tampa Bay area . Some waterfront buildings suffered damage from undermining including widespread damage of marinas and some boats . Several bulkheads and rock revetments experienced minor damage in Naples and Marco Island . Several man ? made dune structures seaward of the Coastal Construction Control Line in Collier County received minor damage at Vanderbilt Beach and Marco Island . Three people were killed in Florida in association with the subtropical storm with a further thirteen people injured . A Brevard County woman died when a canoe overturned and an Orange County child was killed when he was swept into a drainage ditch . 130 families were evacuated a few days after the storm from the Arcadia River area because the Peace River crested above flood stage .

The subtropical storm spawned twelve tornadoes across Florida , including at least 2 tornadoes which reached a magnitude of F2 on the Fujita Scale . The first tornado formed in Hendry County on June 18 at 0115 UTC reaching F2 strength . The third fatality was a man from Hendry County who was killed in his mobile home , which was destroyed by a tornado . A total of twenty @-@ five homes in Florida were destroyed . Total damage in Florida totaled out to \$ 10 million ( 1982 USD , \$ 21 million 2007 USD ) .

The storm 's effects north of Florida were minor . Rainfall reached up to nine inches ( 228 mm ) in extreme eastern South Carolina and four inches ( 101 mm ) in eastern North Carolina . Winds reached 50 mph ( 60 km / h ) with gusts up to 66 mph ( 101 km / h ) at the Oak Island Coast Guard Station near Cape Fear , North Carolina and 54 mph ( 87 km / h ) with gusts of 77 mph ( 123 km / h ) at the offshore tower at Frying Pan Shoals about forty miles southeast of Cape Fear on June 18 with 70 mph winds ( 110 km / h ) the next day . A 68 foot fishing trawler sunk off the coast of Cape Fear in North Carolina from the high waves ; no one was killed as the sailors were rescued by the United States Coast Guard on June 19 . Flooding was reported with tides of two to three feet in the Carolinas . Rainfall from the subtropical storm reached both states , reaching maximum peaks of up to five inches ( 127 mm ) on the Georgia coast and seven inches on the Georgia / South Carolina border . Rainfall totaled to about one inch ( 25 mm ) on the Virginian coast . A ship encountered winds of a minimum tropical storm with gusts as high as a maximum tropical storm . The ship also encountered a tidal surge of 15 to 20 feet .