

= Tropical Storm Dean (1995) =

Tropical Storm Dean was a short @-@ lived storm that formed in late July 1995 and lasted into early August . It was the fourth named storm of the 1995 Atlantic hurricane season . It spent most of its life as a tropical depression , and briefly gained tropical storm status before its landfall on the Texas coast on July 30 . After landfall , it dissipated over central Texas on August 2 . The impacts from Dean were minimal , mainly due to heavy rain in Oklahoma and Texas that caused localized coastal and inland flooding . Two F0 Tornadoes touched down in Texas as a result of Dean 's landfall . Also , Twenty families had to be evacuated in Chambers County , due to flooding in the area . One fatality was recorded as a result of flooding in Oklahoma . Several highways were flooded out in Oklahoma , which impeded travel in the state . In addition approximately \$ 500 @,@ 000 (1995 U.S. dollars) worth of damage was recorded in the aftermath of Dean .

= = Meteorological history = =

The precursor system that would form Dean was a stationary front situated in the northeastern Gulf of Mexico in the last week of July . On July 27 , it developed a weak upper @-@ level circulation indicated by reports from buoys in the Gulf , its structure was disorganized but was in the process of organizing . The system continued to organize early on July 28 , and that afternoon it developed a surface circulation . The tropical depression that spawned Dean was thought to have formed at around 1800 UTC , July 28 . It was later declared Tropical Depression Four that same day with the center located about 345 miles (555 km) southeast of New Orleans .

At first , the depression slowly tracked westward because it was blocked by a ridge of high pressure to the north . The system was under frequent reconnaissance surveillance , and the depression remained poorly organized and continued to be at tropical depression status well into 29 July . The organization of the system hindered further development despite favorable conditions with low wind shear and warm sea surface temperatures . Late on July 29 , the system began to execute a turn to the northwest with an increase in forward speed . It still remained a poorly organized tropical depression south of Louisiana .

On July 30 , the system 's circulation began to organize and the first reports of tropical storm @-@ force squalls were reported as it moved closer to the Texas coast . Based on this the National Hurricane Center (NHC) issued tropical storm warnings for much of the Texas and Louisiana coast , from Intracoastal City , Louisiana to Corpus Christi , Texas . Later that afternoon it strengthened into Tropical Storm Dean while located just 70 mi (110 km) off the coast . The Hurricane Hunters confirmed that Dean strengthened in the final hours before its landfall on the Texas coast to a 45 mph (75 km / h) storm , and made landfall near Freeport , Texas at 8 : 30 pm CDT (0130 UTC) July 31 . Shortly after its landfall , Dean weakened back to tropical depression strength as it tracked further northwest into Texas . The depression stalled in central Texas on August 1 and remained there for 36 hours until the next day , dropping heavy rain over parts of the state . Late on August 2 , it merged with a non @-@ tropical front and dissipated .

The remnants of Dean eventually moved up into Oklahoma , where it caused heavy rainfall , forcing roads to close and rescues to be made . Dean also dropped heavy rain across the Midwest states as well . Some areas in Kansas received more than seven inches of rain . Illinois , Missouri , and Indiana each had areas that received more than 5 inches (127 mm) of rain from Dean .

= = Preparations = =

Because of Dean 's proximity to land upon formation , there was little warning in advance of the storm . Tropical storm warnings were issued at 0300 UTC on July 30 from Intracoastal City , Louisiana to Corpus Christi , Texas . The warnings were up for 23 hours before landfall , and were allowed to expire at 0300 UTC July 31 .

= = Impact = =

Most of the damage from Dean was concentrated in the states of Texas and Oklahoma . The damage , if any , was mainly due to the heavy rain across both states . The total cost of the damage totaled to \$ 500 @, @ 000 (1995 USD ; \$ 707 @, @ 000 2008 USD) .

== Texas ==

In Texas , most of the damage was due to inland flooding . Heavy rainfall of 6 to 18 inches (150 to 450 mm) was reported across a large swath of Texas . The heaviest measured amount was 17 @. @ 4 inches (426 mm) near Monroe City , Texas . Rainfall amounts of two to six inches were common throughout the eastern part of the state . In total , 38 houses were flooded in southeast Texas . The freshwater flooding resulted in the evacuation of 20 families in Chambers County . 250 people had to evacuate from their homes near Abilene , Texas due to floodwater . The storm surge impacts were fairly minor , ranging from 3 to 5 feet (1 @. @ 2 to 1 @. @ 8 m) above mean sea level . A portion of State Highway 87 was flooded from the storm surge , although no significant property damage was reported as a result of it . Minor beach erosion and street flooding was also reported on Galveston Island . The highest wind gust on land was 51 mph (82 km / h) at Scholes Field . There were two tornadoes confirmed as a result of Dean . One touched down on High Island in Galveston County , and the other touched down near Anahuac . Both tornadoes were rated as F0 on the Fujita scale , with minor damage .

== Oklahoma ==

Oklahoma also saw heavy rain as well from the remnants of Dean . Over 5 inches (130 mm) of rain fell in the town of Stillwater , and the highest amount , 12 @. @ 07 inches (307 mm) , was recorded at Great Salt Plains Dam , Oklahoma . Over 40 homes were flooded in the area by the heavy rain , and about 24 cars were found stranded in high water . Thunderstorms , associated with Dean 's remnants , dumped heavy rain across the state , resulting in flash flooding in many areas . The flooding , in many areas , made travel near impossible . U.S Highway 62 in Jackson County and Highway 5 in Harmon County were both closed due to flash flooding covering their roadways . State Highway 51 was under 1 @. @ 5 feet (0 @. @ 46 m) of water at times . Several other roads remained flooded and closed for several days after the arrival of Dean 's remnants . One death , a small child , was reported in Hardeman County after the child had been swept away by flood waters .

== Rest of the United States ==

Other parts of the U.S. received significant rainfall from Dean . Heavy rain was recorded in Louisiana , where 7 @. @ 04 inches (17 @. @ 9 cm) of rain fell in Galliano . Coden , Alabama received 6 @. @ 42 inches (163 mm) of rain , and Waveland , Mississippi got 5 @. @ 84 inches (148 mm) of rain . Dean cut a swath of heavy rain throughout the Midwest : Kansas , Missouri , Illinois , Indiana , and Michigan were primarily effected . Florida received heavy rainfall as well , with some areas in Central Florida getting as much as five inches of rain .