

= Hurricane Rosa (1994) =

Hurricane Rosa was the only Pacific hurricane to make landfall during the above @-@ average 1994 Pacific hurricane season . It killed at least 4 people in Mexico . Moisture from the hurricane was a factor in widespread flooding in the U.S. state of Texas that killed 22 people and caused hundreds of millions of dollars in damage in October 1994 . The pre @-@ Rosa tropical depression formed on October 8 before degenerating the next day . It reformed on October 10 and steadily strengthened as it approached Mexico . Ultimately peaking as a Category 2 hurricane on the Saffir @-@ Simpson Hurricane Scale right before landfall , Rosa was the final hurricane , nineteenth tropical storm , and second @-@ last tropical cyclone of the 1994 Pacific hurricane season .

= = Meteorological history = =

On October 8 , a circulation associated with an area of disturbed weather acquired convection and was designated Tropical Depression Nineteen @-@ E. Upon formation , the depression was forecast to dissipate because of strong wind shear . Moving little , its development was constantly hindered by wind shear . The depression had difficulty organizing , and on October 9 , it became so disorganized that advisories were discontinued .

The depression 's remnants moved eastward and interacted with an area of disturbed weather . This regenerated the convection , and the depression regenerated on October 10 , possibly with a new center of circulation . However , the National Hurricane Center 's preliminary report does not indicate that the depression ever dissipated or regenerated . Moving little in a favorable environment , the depression was upgraded to Tropical Storm Rosa on October 11 , and to hurricane status a day later . At the time it was about 345 miles (555 km) south of the southern tip of the Baja California Peninsula . Rosa continued drifting slowly for another day and a half . Then , a trough caused Rosa to begin moving and accelerate north @-@ northeastward . On October 14 , Rosa peaked in intensity as a Category 2 hurricane on the Saffir @-@ Simpson Hurricane Scale with winds of 100 mph (160 km / h) and a central pressure of 974 mb (974 hPa) . A few hours later , Rosa made landfall near La Concepción about 70 mi (110 km) south @-@ southeast of Mazatlán . Rosa 's circulation weakened over the mountains , and it dissipated on October 15 .

= = Preparations , impact , and aftermath = =

On October 12 , a hurricane watch was issued for the coast from Culiacán to Manzanillo and the Baja California Peninsula south of latitude 24 ° N. At the same time , a tropical storm warning was issued from Manzanillo to Tepic . On October 14 , a hurricane warning was issued for the coast between Culiacán and Cabo Corrientes , and a tropical storm warning south of Cabo Corrientes to Manzanillo . All watches and warnings were lifted later that day .

On October 13 and 14 , two ships , the London Spirit and the Marie Maersk , encountered winds of tropical storm or hurricane force . The Marie Maersk was located especially close to the eye , and its observations were useful to forecasters .

In Nayarit and Durango , two people drowned , while in Sinaloa , four people were pronounced missing . More than 100 @,@ 000 people in Nayarit had their homes damaged . Rosa 's winds damaged many telephone poles , power lines , and houses in Sinaloa . Rainfall between 3 to 5 inches (76 to 127 mm) caused many landslides in mountainous areas . Mudslides forced the evacuation of 400 people from two coastal villages in Jalisco . Rosa dumped rain over parts of coastal and inland Mexico ; the highest rainfall total was 14 @. @ 09 in (358 mm) at Mesa de Pedro Pablo .

Rosa sent moisture into the United States , which , in combination with humidity drawn north from the Gulf of Mexico , caused heavy thunderstorms and flooding in parts of thirty eight Texas counties on October 15 to 19 . The flooding was worst around the San Jacinto and Trinity River basins , and in coastal areas . Rainfall totals ranged from 8 in (200 mm) to more than 28 in (710 mm) . The rain levels caused 100 @-@ year floods at nineteen stations . Several records were broken , some

of which had stood since 1940 . In the case of the Lavaca River near Edna , it broke a record set in 1936 . The flooding destroyed 3069 homes , heavily damaged 6560 , and damaged 6148 others . Railbeds and roads sustained damage , while broken gas and oil pipelines caused spills and environmental damage in the Lower San Jacinto River and Galveston Bay . Twenty @-@ two people died due to effects from the storm . In total , the flooding in southeastern Texas caused 700 million (1995 USD) in damage . On October 18 , the Federal Emergency Management Agency (FEMA) declared the worst @-@ affected areas a disaster area . After the declaration , FEMA received 26 @,@ 000 applications for disaster assistance and approved 54 million (1995 USD) in aid .