Beginning September 25, 2017, the State of Texas began experiencing significant rainfall in the Big Bend Area and deep Southwest Texas along the Rio Grande River. Some areas in the region saw as much as 20 inches of rainfall over a 5 day period. In response, on September 26, at the request of the Texas Division of Emergency Management (TDEM), TX-TF1 activated 2 Water Rescue Squads and 1 Water Rescue Manager to support the affected jurisdiction.

TX-TF1 teams immediately departed their home bases and headed towards West Texas. Once they arrived, teams began to make contact with local jurisdictions and determine their needs. TX-TF1 teams worked the next few days to conduct evacuations, welfare checks, and reconnaissance missions throughout the area.

While river flooding along the Pecos and Rio Grande Rivers were a concern, the water moved downstream much faster than expected and was captured by the large reservoirs along the river, which helped to protect many of the communities downstream. With the threat diminishing, teams were demobilized on September 29.