Continued heavy rains creates a high risk of flash flooding and sustained flooding during the months of May and June. North and Central Texas received repeated bouts of thunderstorms and heavy rains. This caused much of the region to be at a high risk of flash flooding and sustained flooding due to the saturated ground. As a result, on June 18, 2007, GDEM requested TX-TF1 place Water Rescue Squads and search canine assets on standby.

On June 25, Governor Rick Perry directed that search and rescue resources be brought to a high level of readiness and that appropriate elements be pre-deployed in order to provide a rapid response capability. As a result, TX-TF1 activated 2 Water Rescue Squads with logistical support and a command element. Eventually, additional resources were activated to include 2 HSARTS, 1 ESF-9 Coordinator, 1 ESF-9 Liaison Officer, and an additional 5 Water Rescue Squads, bringing the total to 7 Water Rescue Squads.

Teams responded to the Dallas/Fort Worth and San Antonio areas, with over 70 flooded roadways, with water only continuing to rise. During response operations, TX-TF1 teams conducted a total of 78 water rescues throughout Texas. All resources demobilized on June 29, as water levels subsided.