Beginning June 30, 2002, a low-pressure system with deep tropical moisture from the Gulf of Mexico moved westward over South Texas. The system hit a wall of high pressure, stalling over Central and South Texas, causing nearly 30 inches of rain to fall in the San Antonio and surrounding areas in only an 8 day period, and 12-14 inches of rain in parts of west Texas near Abilene. On July 2, 2002, GDEM activated TX-TF1 to respond to the devastating flooding.

As a result, TX-TF1 deployed 2 Water Rescue Strike Teams, composed of 4 Water Rescue Squads on each team (total 8)
- 1 ESF-9 Coordinator
- 1 ESF-9 Liaison Officer
- 6 Helicopter Search and Rescue Technicians

Teams completed:
- 28 Rescues
- 58 Evacuations
- 12 Animal Evacuations

In total, the floodwaters killed 9 people and damaged over 48,000 homes. All TX-TF1 resources were demobilized by July 8, as the flooding conditions had subsided.