On October 20, 2006, GDEM activated a TX-TF1 Water Rescue Strike Team, composed of 2 Water Rescue Squads, and 1 ESF-9 Liaison Officer to assist with the flooding in Southeast Texas.

The 16 member team deployed to the affected area, just north of Beaumont Texas, in Orange County, and spent 4 days conducting search and rescue operations. While there, they rescued 12 individuals and conducted wellness checks of residents. They also completed damage assessments of nearly 200 buildings, and provided documentation and digital photos of the flood-affected homes to local officials.

Governor Rick Perry issued a disaster proclamation for 9 affected Southeast Texas counties, including Orange County, as a result of the severe storms and flooding that began October 15. TX-TF1 members responding to the Southeast Texas floods came from jurisdictions in the Austin, Bryan/College Station, and Houston areas, and were demobilized and returned home on October 23, after the threat had subsided.