On August 4, 2008, GDEM directed TX-TF1 to activate a Type-I US&R Task Force and a Water Task Force composed of 8 Water Rescue Squads in preparation for landfall of Tropical Storm Edouard. All resources were forward deployed and staged at Reliant Stadium in Houston, Texas. Additionally, 6 HSARTS, 10 support staff for the ESF-9 Command Team, 2 ESF-9 Coordinators, and 3 ESF-9 Liaison Officers were also activated. These resources were staged across the projected affected area.

Hurricane Edouard made landfall the morning of August 5 to the East of Galveston Island with sustained winds of 65 miles per hour.

After making landfall, Tropical Storm Edouard continued moving westward, generating over 6 inches of rainfall in some areas over the next few days causing widespread flooding. The storm impacted 17 counties along the coast of Texas.

By 12:00 p.m. on August 5, the storm was downgraded to a tropical depression. Finally, after no calls of assistance from local jurisdictions and the threat of major flooding subsiding, GDEM released all deployed resources to return to College Station.