High surf associated with tidal overflow from Hurricane Rita was reported along coastal sections of Cameron and Willacy counties. Severe beach erosion was reported in Cameron County, with a combined storm generated swell and astronomical high tide creating a tidal effect 3 to 4 feet above normal along the gulf-facing beaches of South Padre Island. This storm tide caused 10 to 12 feet of erosion in the dunes and the beaches of Boca Chica and South Padre Island, Texas. The beaches were reported as flooded by the late afternoon hours on Thursday, September 22, 2005 and remained flooded through the late afternoon hours of Saturday, September 24, 2005.

Storm tides (including astronomical tide, storm surge, and wind driven waves) caused significant flooding of the beaches along the lower Texas coast from the Port Mansfield jetties southward to the Rio Grande. Sea water breached the dunes and man made berms on