Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South				
(TX-Z251) KENEDY, (TX-Z256) COASTAL WILLACY, (TX-Z257) COASTAL CA	MERON		
	09/01/08 11:00 CST		0	Storm Surge/Tide
	09/01/08 18:00 CST		0	
30 hours between late evenin	e Gustav, which moved northwest from weste g August 30th and early morning on Labor Da st, and continued into the evening before quic	y, September 1st,	moved onto the D	eep South Texas coastline
	produced breakers estimated between 8 and ong the Gulf coast of 2 to 3 feet near time of his	-		• •
Minor overweet of the dune l	ing was the primary impact from the high tides	nortioularly three		a points porth of the

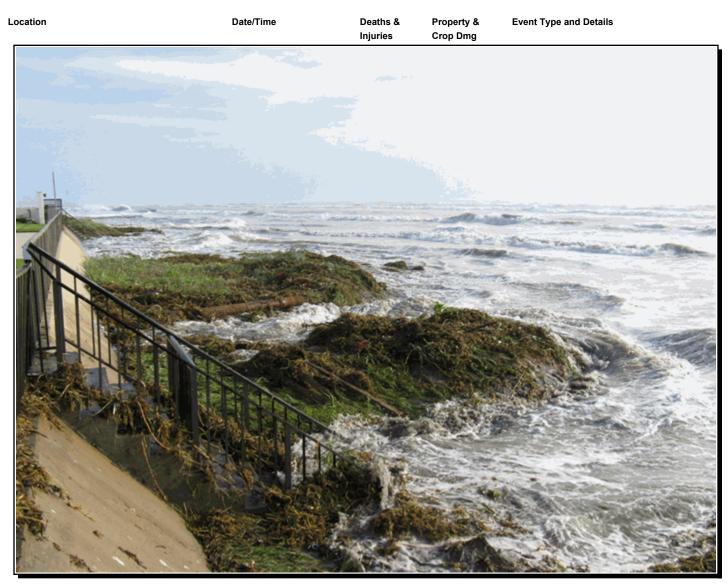
Minor overwash of the dune line was the primary impact from the high tides, particularly through beach access points north of the Town of South Padre Island. Generally low astronomical tides at gaging points in the Laguna Madre kept impacts to nil from Port Isabel to Port Mansfield and points north.

(TX-Z251) KENEDY, (TX-Z256) COASTAL WILLACY, (TX-Z257) COASTAL CAMERON			
09/12/08 04:00 CST	20K	Storm Surge/Tide	
09/15/08 11:00 CST	0		

Hurricane lke raged ashore near Galveston early on September 13th, producing devastating storm surge for some and power outages for many on the upper Texas coast. While inland portions of the Lower Rio Grande Valley and Deep South Texas felt nothing more than a few breezes from the west and southwest, coastal interests faced quite a different situation. Large swells and high waves radiating well west of lke's growing core over the southeast and south central Gulf on September 10th reached the coast by the morning of the 11th, grew to maximum intensity on the 12th, and lingered into the morning of the 13th. Very high seas, severe beach erosion, coastal flooding, and big surf prevailed.

Coastal flooding impacts were relatively minor, with damage restricted to vulnerable structures not protected by dunes or a barrier wall beach side on the 12th, and to businesses and residences with minimal elevation bay side. The continuous pounding of the beach by Ike completed the substantial erosion which began with Dolly in July, and continued with Gustav at the start of September.

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Waves reaching the seawall at the Travelodge Hotel on Gulf Boulevard, South Padre Island, TX, 845 AM September 12th, 2008

09/14/08 17:30 CST

STARR COUNTY 2.0 SE ROMA [26.4	40, -99.00], 3.0 WNW ROMA [26.44, -99.06], 5.0	NW ROMA [26.47, -99.08], 5.0 NE ROMA [26.47, -98.96], 2.0 E
ROSITA [26.40, -98.89]			
	09/14/08 15:56 CST	1K	Flash Flood (due to Heavy Rain)

Emergency Management officials from Starr County reported that six inches of water was covering and flowing across Highway 83 near La Rosita. It is likely that other minor flooding occurred near Roma, where an estimated 6 inches more rain fell on top of prodigious rainfall of more than 15 inches during the last third of August.

ZAPATA COUNTY 2.0 NE ZAPATA [26.92, -99.21], 3.0 E SAN YGNACIO [27.05, -99.40]				
09/14/08 16:00 CST	0	Heavy Rain		
09/14/08 17:30 CST	0	Source: Unknown		

0

Source: Emergency Manager

Torrential rains from two intense thunderstorms dropped an estimated 4 or more inches in north central Zapata County, generally in rural areas along and north of State Highway 16, bounded by Bustamente and Escobas on the east. As of this writing, no reports of flooding have been received.

HIDALGO COUNTY 3.0 S DONNA [26.13, -98.05], 1.0 E MERCEDES [26.15, -97.90]				
09/15/08 07:00 CST	0	Heavy Rain		
09/15/08 08:00 CST	0	Source: Unknown		

A band of torrential rains moved slowly through populated areas of southeastern Hidalgo County during the middle of the Monday morning commute, likely producing high standing water and minor flooding of poor drainage areas along and just south of Federal Highway 83 between Donna and Mercedes. CoCoRaHS and Cooperative observations showed between 1 and 2 inches a bit west of the core of the heaviest rainfall.

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		Injuries	Crop Dmg	

An early season cold front moved unusally far south for mid September, and interacted with abundant tropical moisture, leading to torrential rain producing thunderstorms ahead of the front on September 14th, and another band of showers and a few thunderstorms behind the front on the 15th, aided by interaction with a moderately strong mid level jet streak. The heavy rains favored Starr and Zapata Counties on the 14th, and a bit farther east into Hidalgo and Cameron Counties during the morning of the 15th.