



Good Wednesday afternoon everyone,

Apologies for the delays...been busy monitoring briefings and getting the latest graphics together which are attached in the PDF. This PDF will also be available on our website by 1 PM.

### **The Skinny**

Tropical Depression Harvey has moved little this morning, but is expected to resume a northwest or north-northwest track toward the western Gulf later today through Friday. As has been the case for several days, both dry air and wind shear are impacting the system (see photo below) and intensification is expected to be slow through at least Thursday. Current forecasts bring the center of circulation well east of South Padre early Friday before curling northwest into the middle Texas coast late Friday night or early Saturday. After that, a lot of uncertainty - and potentially a lot of rain between Victoria and Houston through the weekend. **Please note that uncertainty remains on the exact track and speed.** There is more confidence on slow intensification as it approaches our latitude due to reasons mentioned above.

### **Key Points**

- Tropical Storm Watch In Effect for the Cameron/Willacy County Coast and Gulf waters. This includes South Padre, Port Isabel, Laguna Heights, Laguna Vista, Bayview, and Port Mansfield
- Hurricane Watch for the Kenedy County coast and Gulf waters
- Warnings will likely be issued as early as 4 AM Thursday (a warning in this case means impacts are expected within 24 hours). Chances are they will remain the same type, but there is a bit of uncertainty due to a few unknowns on track and intensity as the core approaches our latitude.

### **Key Hazards**

#### **Rainfall/Flooding**

- 2 to 4 inches along immediate coast, potential for 5" in stronger bands right at the beach and into the King Ranch
- 1 to 2 inches inland (Hidalgo County), locally 3" in heavier bands.

- All capable of nuisance poor drainage flooding (heavier bands); spots like Padre Boulevard (SR 100) could see several feet of water due to drainage concerns
- Timing of heaviest: Pre-dawn Friday through late afternoon Friday

## **Wind**

- In Tropical Storm Watch area (Cameron/Willacy above), peak winds in stronger bands 39 to 50 mph.
- Elsewhere in Cameron/Willacy: Gusts to 35-40 mph in bands
- Hidalgo/Brooks: 30 to 35 mph gusts in bands (could reach 40 mph in Falfurrias area)

## **Surge/Tide**

- Run up to or just into the dunes is likely, pre-dawn Friday through noon Friday
- Shifting winds to west/northwest would quickly push water back out to sea and expose sand
- There may be some water lapping dockside on Laguna Blvd during the afternoon and evening

## **Potential Impacts/Recommended Actions**

### **Rainfall/Flooding:**

- Water depth up to 2 feet in poor drainage areas, perhaps 3 feet in prone locations in Cameron/Willacy County (reasonable worst case)
- Clear drainage ditches, canals, pipe clean-outs, etc through Thursday noon or a little later to improve potential outcomes
- Driving will be difficult in downpours (bands) with near zero visibility at times. Best opportunity for these is pre-dawn through sunset Friday.

## **Wind**

- Near the coast: Tie down tents/temporary structures (or take down), move beach furniture indoors, same for lightweight objects. Check fences, and roofs for loose shingles, etc. There is still uncertainty for impacts on RVs, and just a hint of a westward movement would increase the reasonable worst-case scenario to 50 to 60 mph gusts in bands.
- Inland Cameron/Willacy: Tie down or move indoors items such as lawn furniture, trampolines, etc by early afternoon Thursday.

## **Surge and Surf**

- Tides will increase rapidly Thursday afternoon and beach flooding is likely at night. Water should run up to the dunes after midnight and could run into the dunes at high tide Friday morning.

- North of Mansfield, inundation at the shore and in shallow/shoaly water may be 3 to 4 feet above ground level, particularly at high tide Friday morning.
- Surf will become rough and confused Thursday night and continue Friday, even as winds shift around to the northwest or west by afternoon. Surf waves may briefly reach 6 to 10 feet early Friday before steadily coming down during the afternoon and evening.
- Tides may "run out" Friday afternoon and evening with the offshore flow, and sand may appear where it normally doesn't during low tides Friday night and Saturday.

### **Other/Outlook**

This briefing will be updated between 11 AM and 1 PM Thursday. If conditions change dramatically, we'll update sooner - overnight or even late this afternoon.

Regards,

Barry

**Barry S. Goldsmith** | Warning Coordination Meteorologist (KE5TRD)

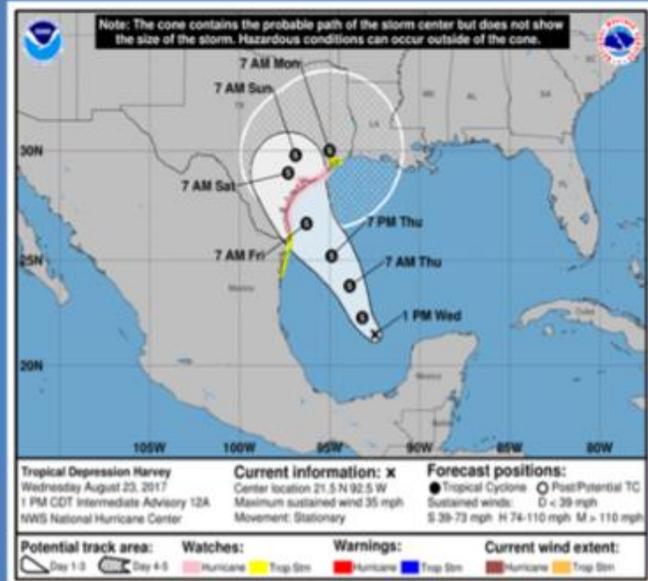
National Weather Service Brownsville/Rio Grande Valley, TX

[weather.gov/rgv](https://www.weather.gov/rgv)



# Tropical Depression Harvey

- Tropical Depression Harvey is expected to strengthen in the Gulf over the next 48 hours and could make landfall as a hurricane north of Corpus Christi on Friday.
- Potential impacts to the lower Texas coast and coastal portions of Kenedy, Willacy and Cameron counties:
  - ❖ Dangerous marine conditions
  - ❖ Coastal flooding
  - ❖ Minor beach erosion
  - ❖ Rainfall – heavy at times



Update: 1 pm CST Wednesday 8/23/17

Monitor the latest forecasts at [weather.gov/rgv](http://weather.gov/rgv) and [hurricanes.gov](http://hurricanes.gov)

NWS Brownsville, TX

Find official National Hurricane Center forecasts at: [www.hurricanes.gov](http://www.hurricanes.gov)



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# Tropical Hazards and Potential Impacts of Harvey

10am - Wednesday, August 23, 2017

## Coastal Impacts

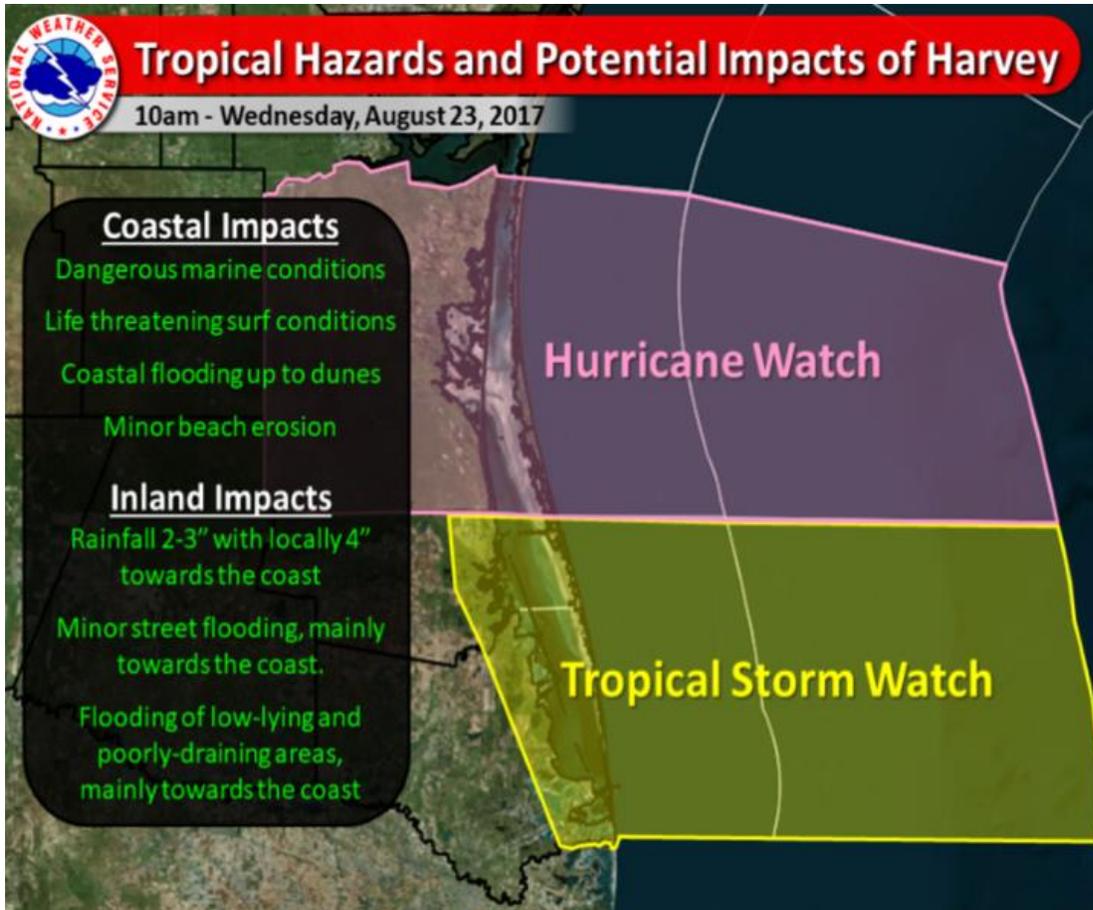
- Dangerous marine conditions
- Life threatening surf conditions
- Coastal flooding up to dunes
- Minor beach erosion

## Inland Impacts

- Rainfall 2-3" with locally 4" towards the coast
- Minor street flooding, mainly towards the coast.
- Flooding of low-lying and poorly-draining areas, mainly towards the coast

Hurricane Watch

Tropical Storm Watch





## Low Risk of Rip Currents Today

Wednesday, August 23, 2017



Wave Heights: **1 to 2 feet**

Surf Temp: **81°F**

Air Temp: **Low 90s**

UV Index: **Extreme**

Winds: **Northeast 10-15 mph**

Tides: **High at 5:57 am**

**Minor Low at 10:50 am**

**Minor High at 4:06 pm**

**Low at 11:18 pm**