



Hydrologic Briefing Tropical Storm Harvey

4:30 PM CDT
Monday, August 28, 2017

Prepared by:
Jennifer Dunn

Situation Overview

Tropical Storm Harvey



Corpus Christi
WEATHER FORECAST OFFICE

- T.S. Harvey is now moving east along the Upper Texas Coast, and will remain east of the Port O'Connor area. Northwesterly wind gusts 30 to 40 mph will still be possible across the Coastal Bend through tonight, decreasing on Tuesday.
- Tropical Storm Warning remains in effect from Mesquite Bay to High Island.
- The heavy rainfall threat has decreased markedly and shifted east.
 - Flash Flood Watch has been dropped for all of South Texas
- Still Forecasting Major Flooding on Guadalupe River.
 - Forecasts slowly lowering

Event Total so far...



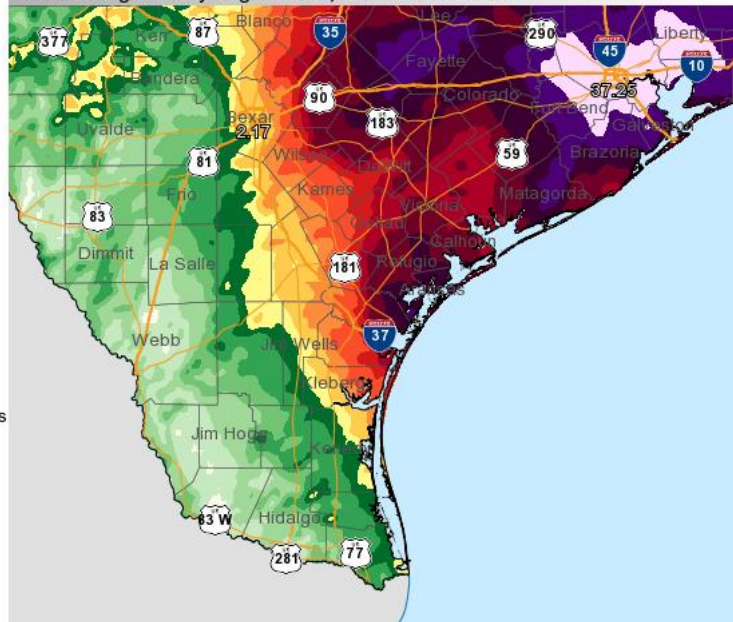
Corpus Christi

WEATHER FORECAST OFFICE

Tropical Storm Harvey

Valid Ending Monday August 28th, 2017 at 3 PM CDT

- Up to 0.1 inch
- 0.1 to 0.25 inches
- 0.25 to 0.5 inches
- 0.5 to 1.0 inches
- 1.0 to 1.5 inches
- 1.5 to 2.0 inches
- 2.0 to 3.0 inches
- 3.0 to 4.0 inches
- 4.0 to 6.0 inches
- 6.0 to 8.0 inches
- 8.0 to 10.0 inches
- 10.0 to 15.0 inches
- 15.0 to 20.0 inches
- 20.0 to 30.0 inches
- Greater than 30 inches



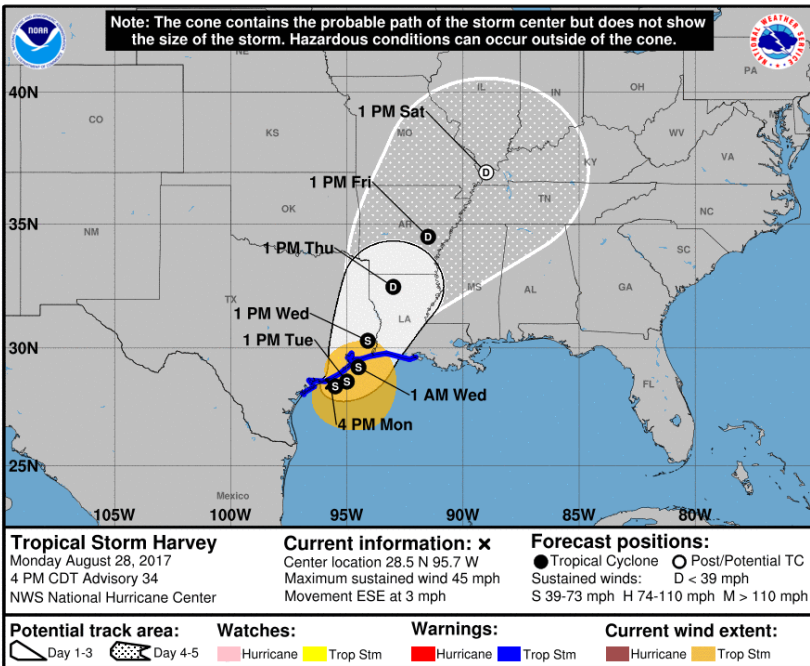
Graphic Created
August 28th, 2017
3:58 PM CDT

Situation Overview



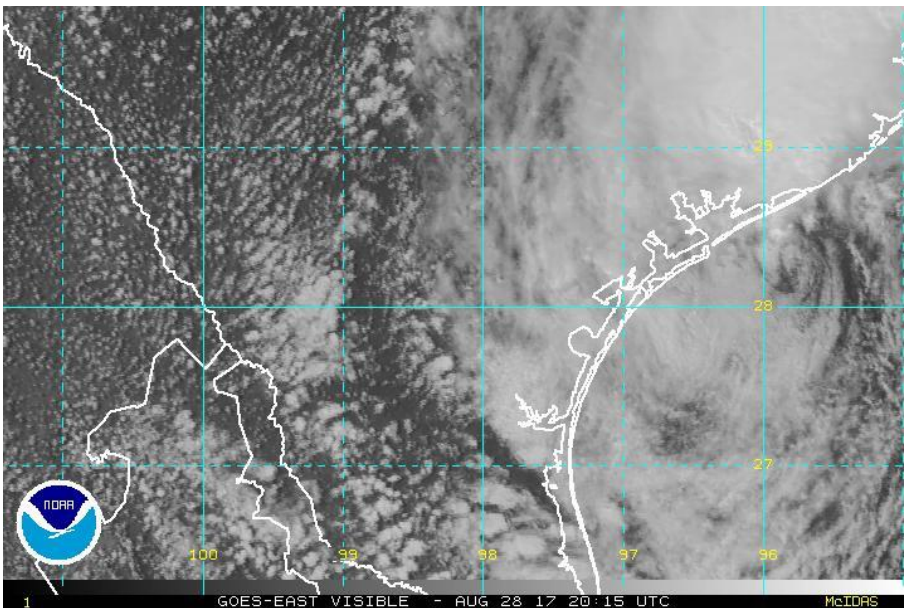
Corpus Christi
WEATHER FORECAST OFFICE

Tropical Storm Harvey



- Harvey is back over the Gulf of Mexico and could strengthen slightly the next few days but will keep moving east.
- Harvey is expected to make a second landfall between Galveston and the TX/LA border Tuesday Night.

Tropical Storm Harvey



- Mostly cloudy skies tonight becoming partly sunny on Tuesday. High temperatures in the lower 80s.
- Best chances for isolated to scattered rain showers east of a Goliad to Rockport line.
- Northwest to west winds gusting 25-35 mph through tonight, slightly higher around Port O'Connor, diminishing on Tuesday.

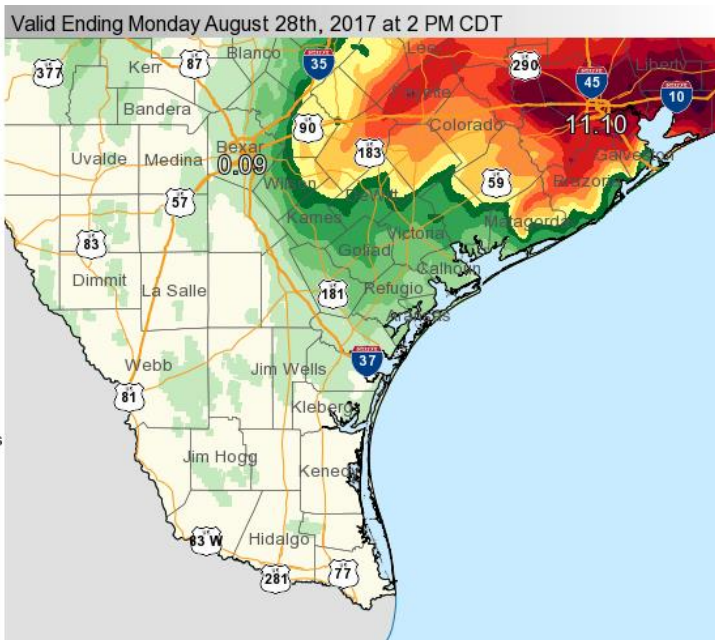
Observed Rainfall last 24 Hours



Corpus Christi

WEATHER FORECAST OFFICE

Tropical Storm Harvey



Graphic Created
August 28th, 2017
3:05 PM CDT

- The heaviest rains continue north and northeast of the Victoria area.
- Scattered light to moderate rain showers possible mainly east of I-37 tonight and Tuesday.

Current Radar

Tropical Storm Harvey



Corpus Christi

WEATHER FORECAST OFFICE

Valid Monday August 28th, 2017 at 2:58 PM CDT



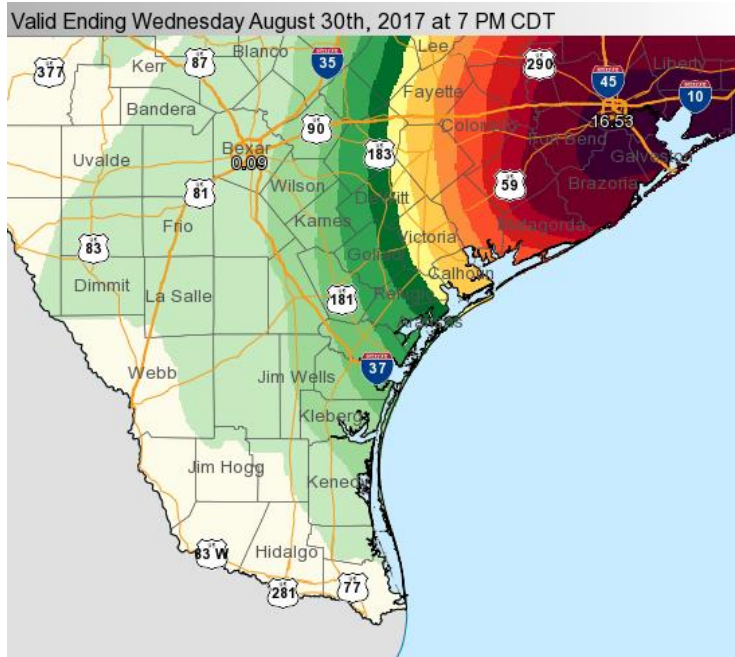
Streaks of light to moderate rain have been occurring east of a Cuero to Corpus Christi line.

Graphic Created
August 28th, 2017
3:07 PM CDT

Forecast Rainfall Totals thru Wednesday



Corpus Christi
WEATHER FORECAST OFFICE



- Less than an inch of additional rain is expected through mid week.
- Heaviest rains will remain east of the Victoria area.

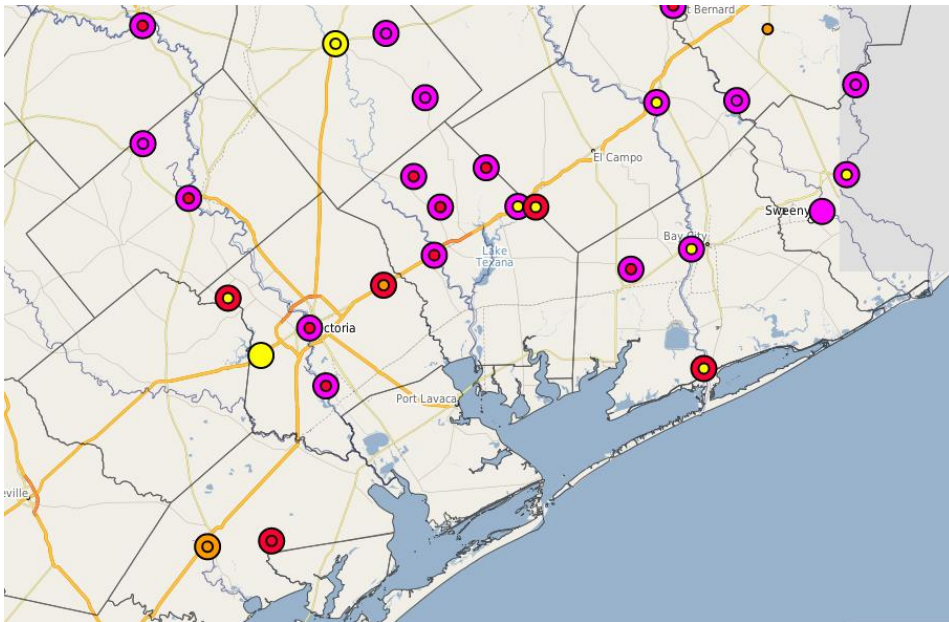


River Flooding

Based on observed and forecast rainfall for next 72 hours



Corpus Christi
WEATHER FORECAST OFFICE



Still Forecasting Major
Flooding on Guadalupe
River, but the forecasts
are slowly lowering

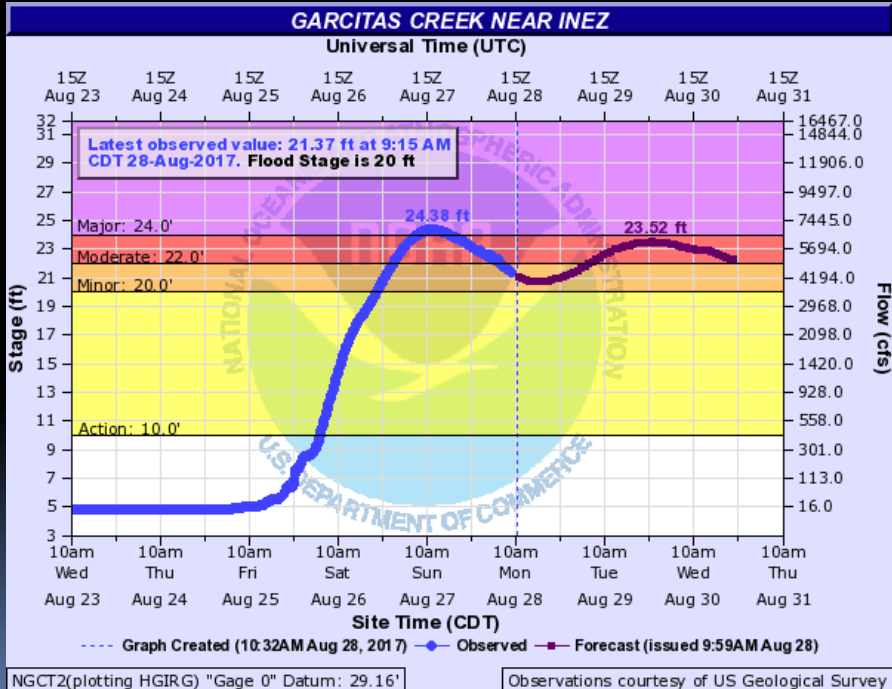
Changes may be made
based on lake releases



Garcitas Creek near Inez

Moderate Flooding Expected

Forecast/Impacts:



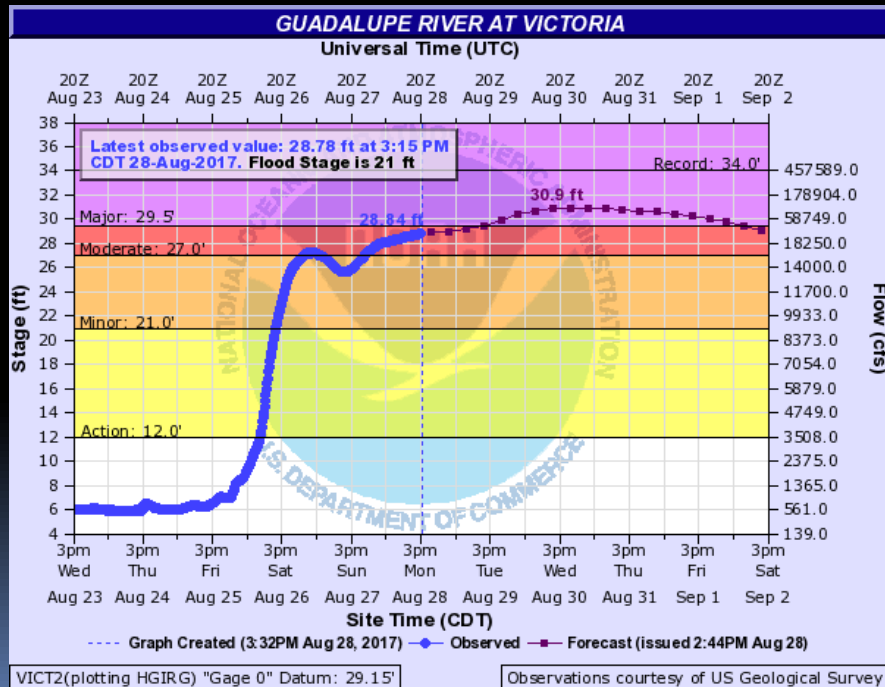
- ❑ Moderate flooding expected.
- ❑ Second crest near 23.5 feet by Tonight
- ❑ At 24 ft., significant crop loss occurs. Areas of pastureland and cattle are cut off. Numerous primary and secondary roads and bridges flood, including the east approach to the Highway 59 access road bridge.



Guadalupe River At Victoria

Major Flooding Expected

Forecast/Impacts:



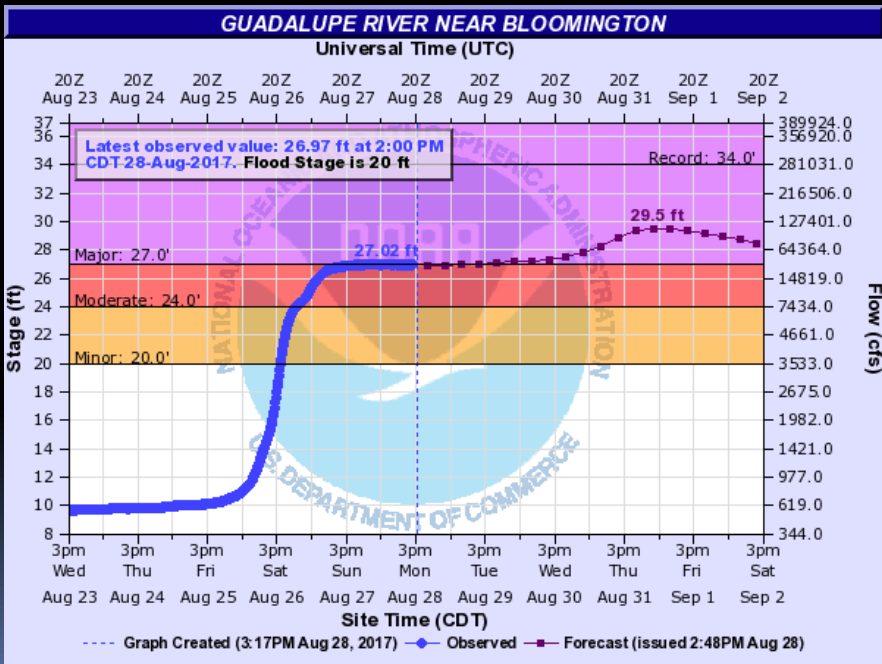
- ❑ Major flooding expected
- ❑ Crest around 31.5 feet starting late Wednesday/early Thursday.
- ❑ At 31 ft, 40 square block of Greens Addition Subdivision are generally flooded. Areas west of Moody Street between Water Street and Constitution Street flood and access may be limited, including homes near Club Westerner. Much of the flood plain below the confluence is flooded several miles wide.



Guadalupe River Near Bloomington

Major Flooding Occurring

Forecast/Impacts:



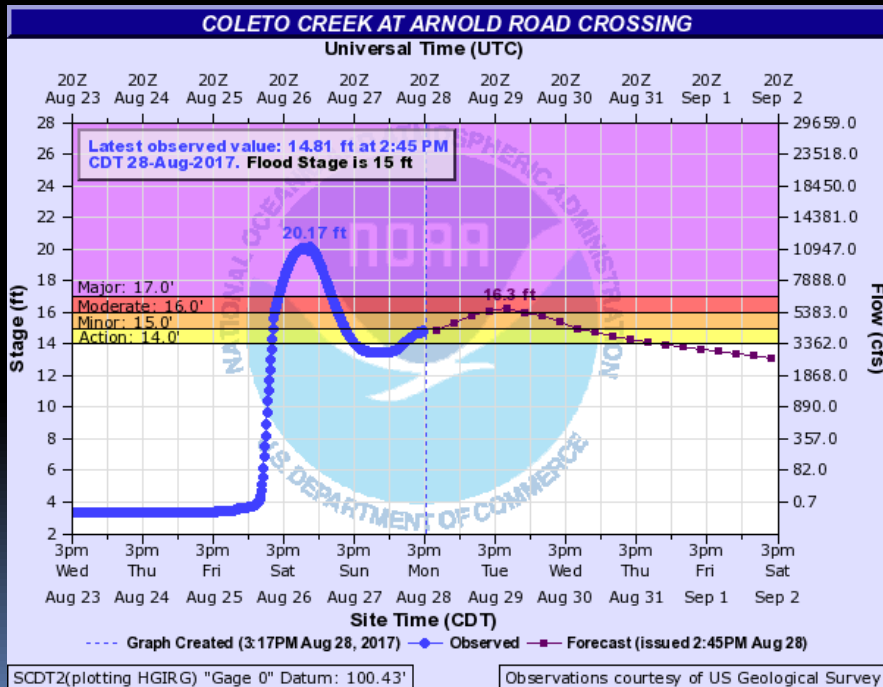
- ❑ Major flooding expected
- ❑ Continue rising to near 29.5 feet late Thursday.
- ❑ At 28 ft, water approaches the levees near the San Antonio River confluence. Miles of Highway 35 and the flood plain near it flood, cutting off many homes and flooding a fishing camp near Tivoli. Livestock are cut off and may drown.



Coletto Creek at Arnold Road Crossing

Moderate Flooding Expected

Forecast/Impacts:



- Moderate flooding expected again Tuesday.
- Second crest around 16 feet late Tuesday.
- At 16 ft, flooding of secondary roads and low bridges

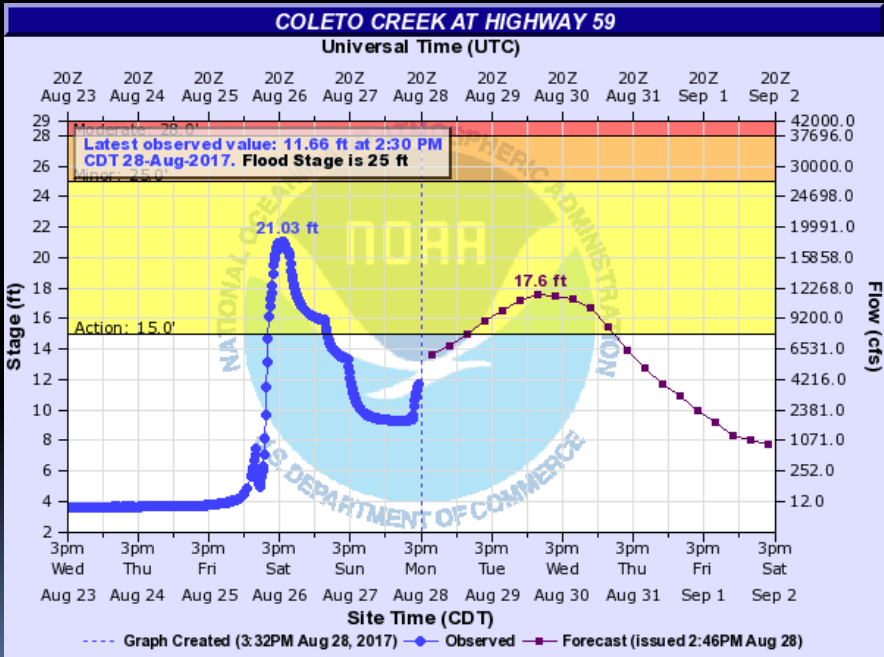


Coleto Creek at Highway 59

No Flooding Expected

Forecast/Impacts:

- No flooding expected.
- Crest near 17.5 feet Wednesday

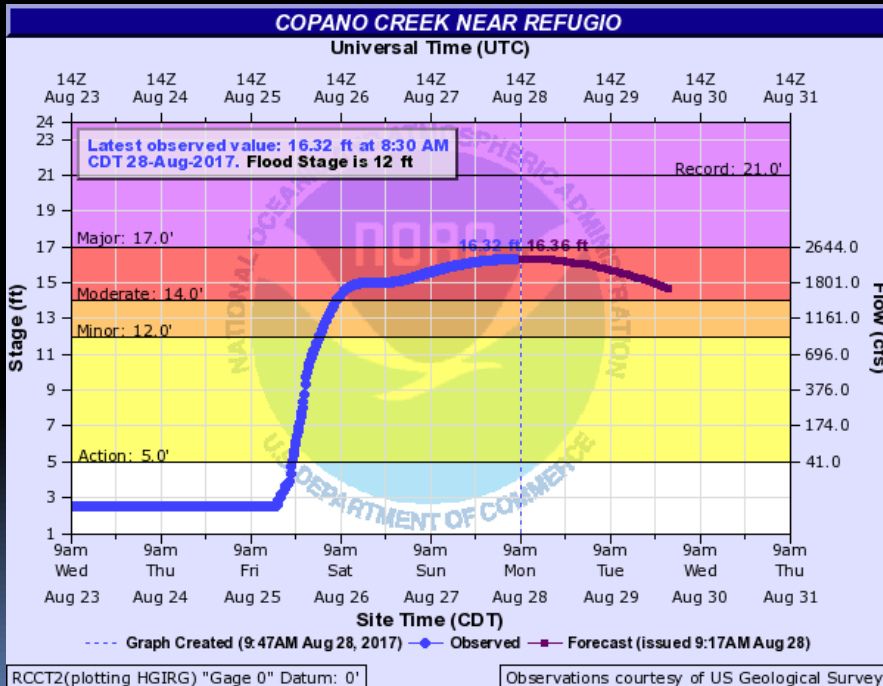




Copano Creek Near Refugio

Moderate Flooding Expected

Forecast/Impacts:



- ☐ Moderate flooding expected
- ☐ Crest around 16.3 feet starting this morning.
- ☐ At 17 feet, the river is 200 yards wide at the Farm to Market 774 bridge.



Hydrologic Briefing Tropical Storm Harvey

Next Email Update: 10:30 PM
Monday, August 28, 2017