



Hydrologic Briefing Tropical Storm Harvey

10:30 AM CDT
Monday, August 28, 2017

Prepared by:
John Metz

Situation Overview

Tropical Storm Harvey



Corpus Christi
WEATHER FORECAST OFFICE

- T.S. Harvey will move back over the Gulf of Mexico today, but will remain east of the Port O'Connor area. Northwesterly wind gusts 30 to 40 mph will still be possible across the Coastal Bend today.
- Tropical Storm Warning remains in effect from Mesquite Bay to High Island.
- The heavy rainfall threat has decreased markedly and shifted east. Localized accumulations of 2 to 4 inches are still possible across Victoria and Calhoun counties through Tuesday morning, where a flash flood watch remains in effect.
- Still Forecasting Major Flooding on Guadalupe River & Coleto Creeks.

Event Total so far...

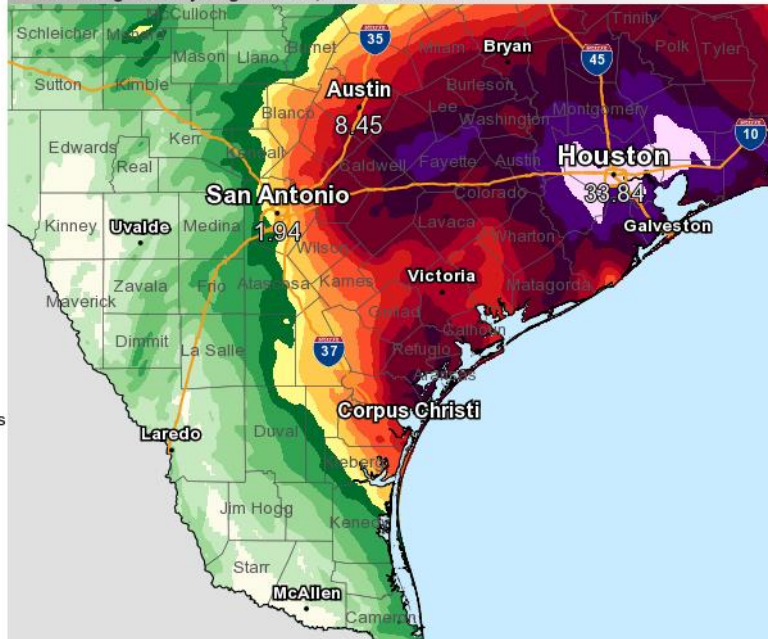


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WEATHER FORECAST OFFICE

Tropical Storm Harvey

Valid Ending Monday August 28th, 2017 at 9 AM CDT



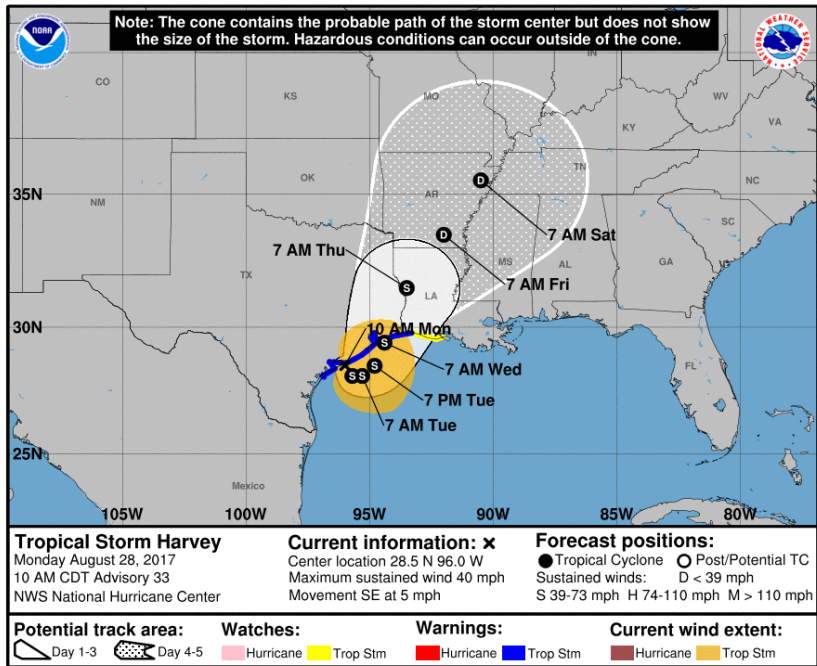
Graphic Created
August 28th, 2017
10:15 AM CDT

Situation Overview



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Tropical Storm Harvey



- Harvey will move back over the Gulf of Mexico today and could strengthen slightly.
- Harvey is expected to make a second landfall between Galveston and the TX/LA border by Wednesday Night.



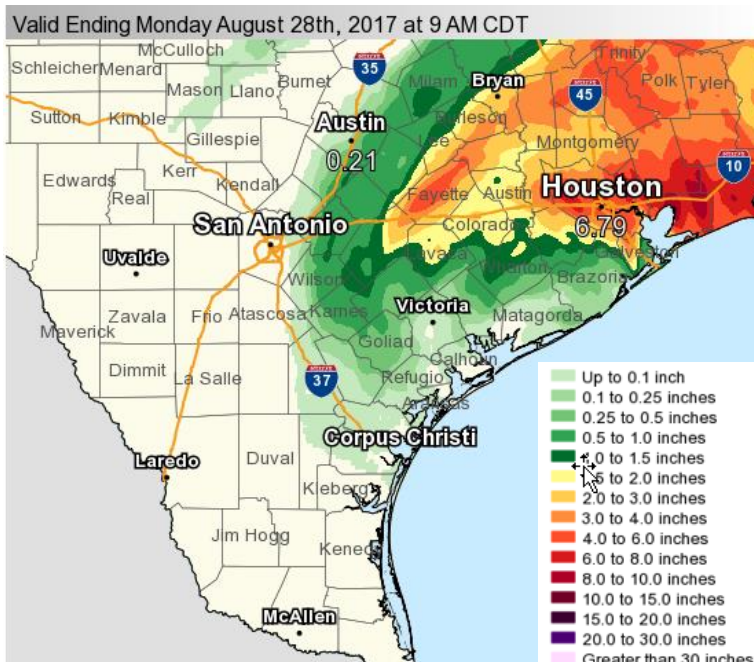
- Cloudy skies today with High temperatures in the lower 80s.
- Best chance of rain east of a Rockport to Goliad line tonight through Tuesday Morning.
- Northwest to west winds gusting 30 to 40 mph.

Observed Rainfall last 12 Hours



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Tropical Storm Harvey



- The heaviest rains fell north and northeast of the Victoria area.
- May see increasing rains along and east of a Goliad to Rockport line Through Tuesday morning.

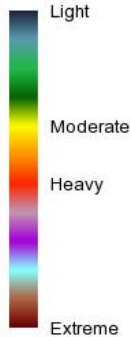
Current Radar



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Tropical Storm Harvey



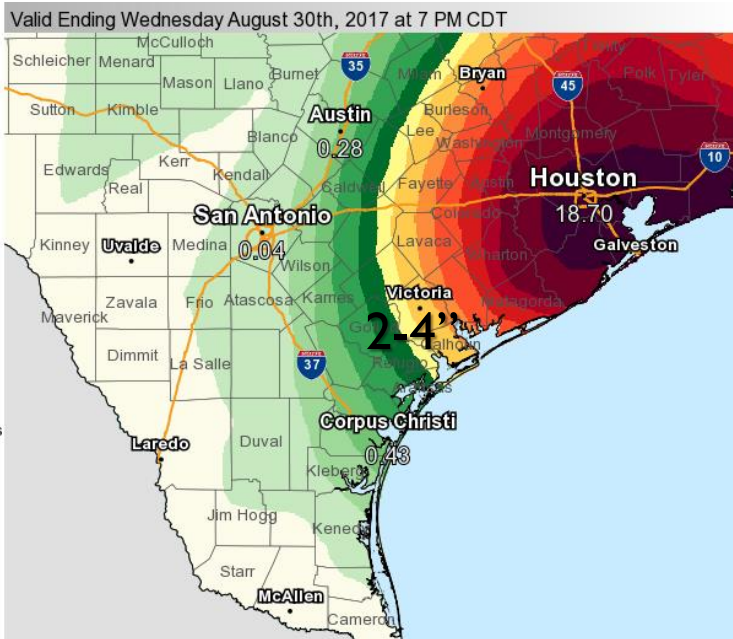
- Streaks of light to moderate rain were occurring east of a Cuero to Corpus Christi line.

Graphic Created
August 28th, 2017
9:53 AM CDT

Forecast Rainfall Totals thru Wednesday



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- Rainfall totals of 2 to 4", through Tuesday across Calhoun and Victoria counties.
- Heaviest rains will remain east of the Victoria area.



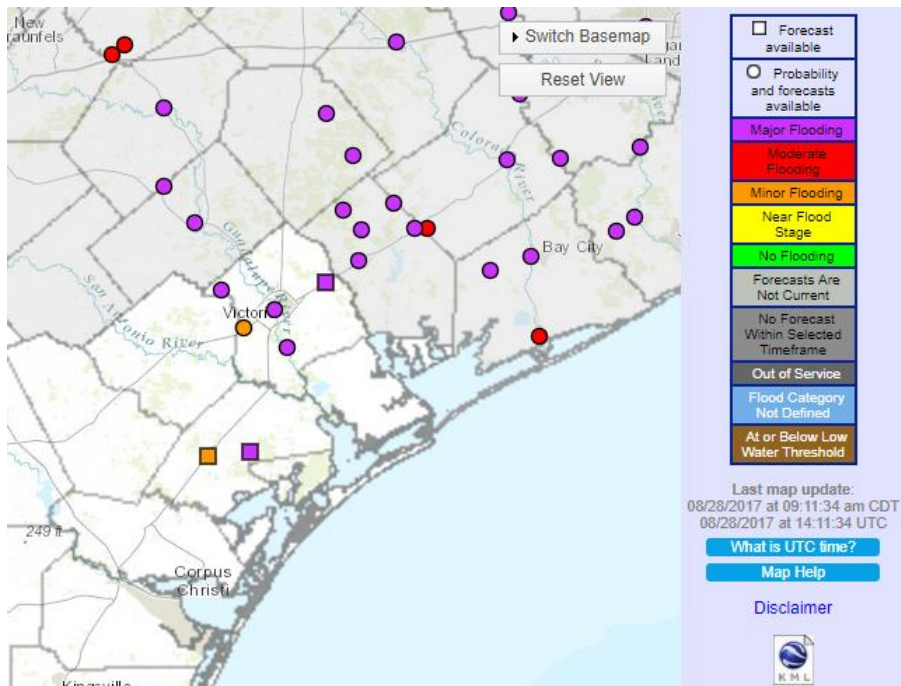
Graphic Created
August 28th, 2017
9:56 AM CDT

River Flooding

Based on observed and forecast rainfall for next 72 hours



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Still Forecasting Major Flooding on Guadalupe River and Coleta Creek.

Flash flooding threat still possible for Victoria area through Tuesday Morning.

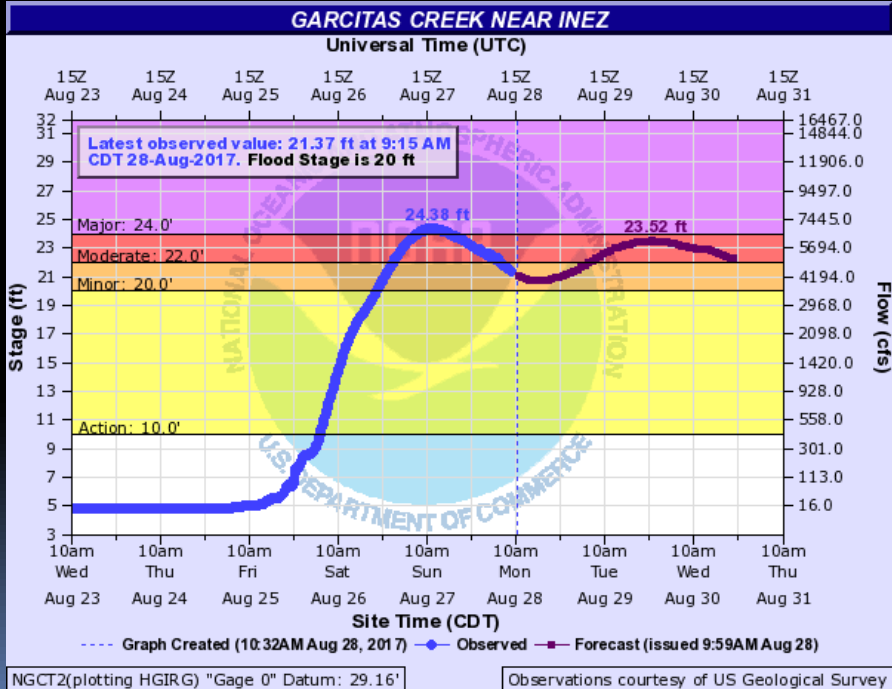
The colored symbols represent the latest forecast river level (not current river level)



Garcitas Creek near Inez

Moderate Flooding Expected

Forecast/Impacts:



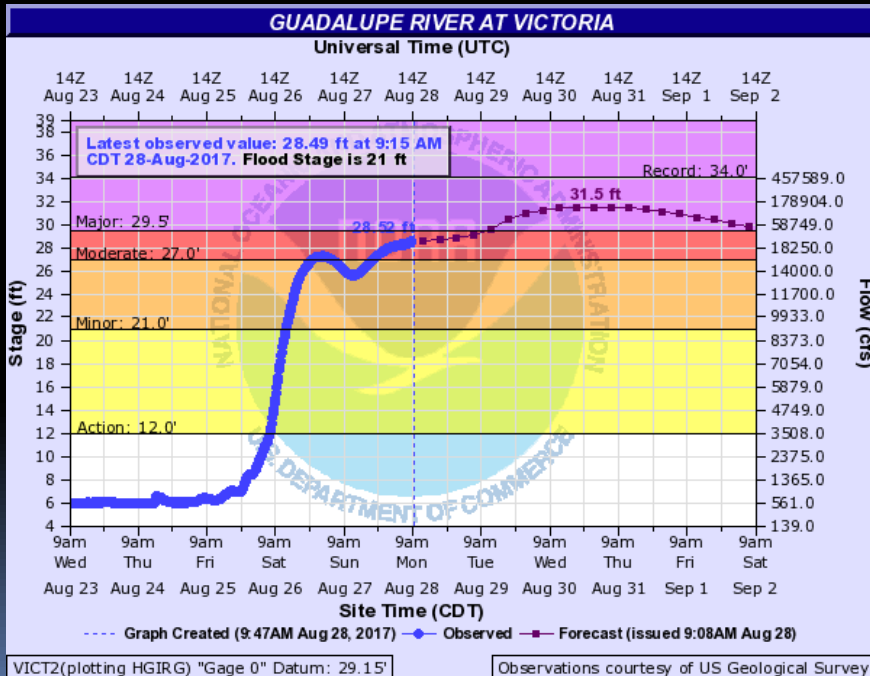
- ❑ Moderate flooding expected.
- ❑ Second crest near 23.5 feet by Tonight
- ❑ At 24 ft., significant crop loss occurs. Areas of pastureland and cattle are cut off. Numerous primary and secondary roads and bridges flood, including the east approach to the Highway 59 access road bridge.



Guadalupe River At Victoria

Major Flooding Expected

Forecast/Impacts:



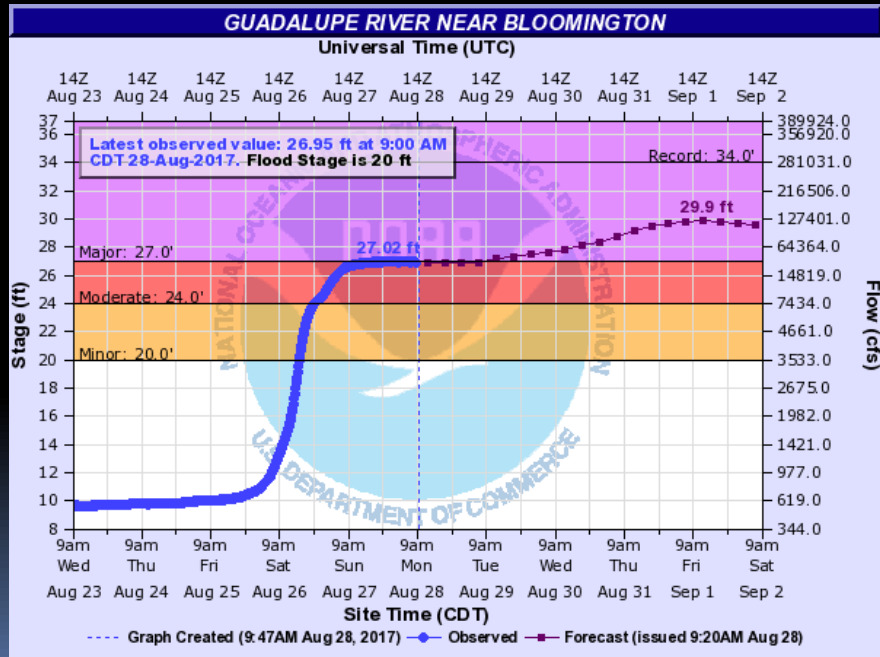
- ❑ Major flooding expected
- ❑ Crest around 31.5 feet starting late Wednesday/early Thursday.
- ❑ At 31 ft, 40 square block of Greens Addition Subdivision are generally flooded. Areas west of Moody Street between Water Street and Constitution Street flood and access may be limited, including homes near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



Guadalupe River Near Bloomington

Major Flooding Occurring

Forecast/Impacts:



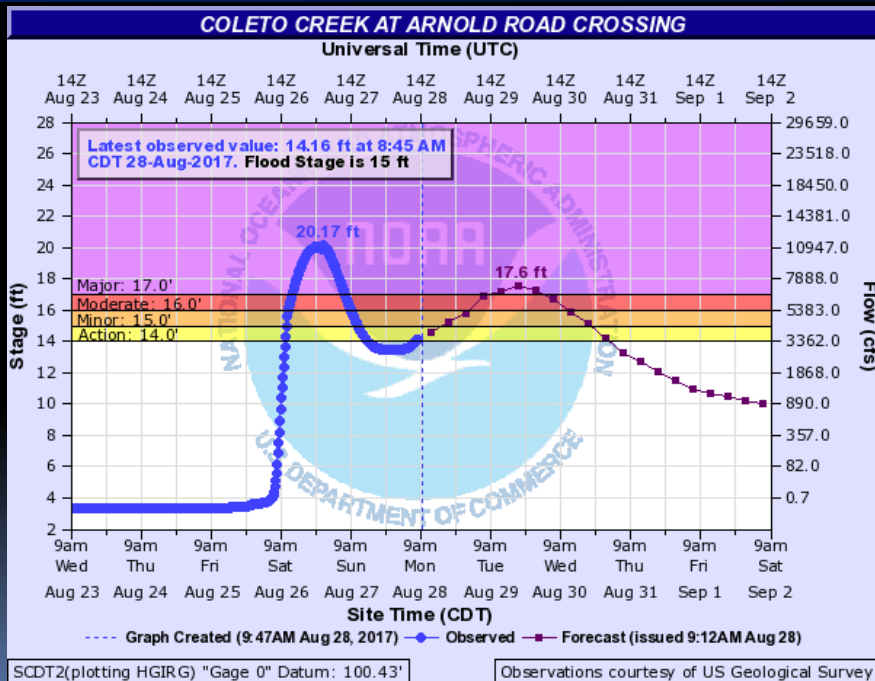
- Major flooding expected
- Continue rising to near 30 feet Friday. Higher rises possible!
- At 28 ft, water approaches the levees near the San Antonio River confluence. Miles of Highway 35 and the flood plain near it flood, cutting off many homes and flooding a fishing camp near Tivoli. Livestock are cut off and may drown.



Coletto Creek at Arnold Road Crossing

Major Flooding Expected

Forecast/Impacts:



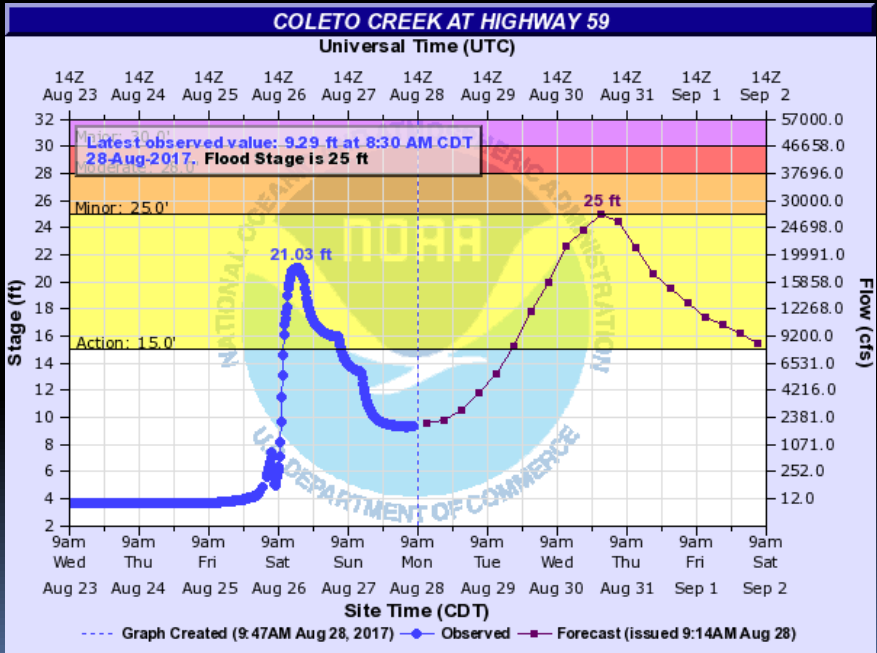
- Major flooding expected again Tuesday.
- Second crest around 17.6 feet late Tuesday.
- At 17 feet, livestock are cut off. Roads and bridges near the river are flooded and dangerous



Coletto Creek at Highway 59

Minor Flooding Expected

Forecast/Impacts:



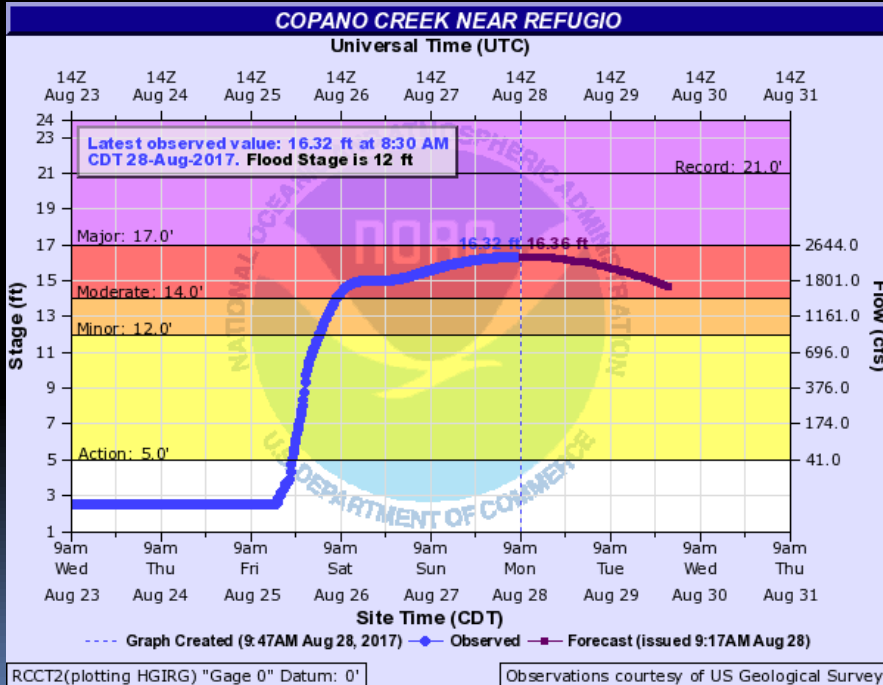
- ❑ Minor flooding expected (based on anticipated releases from Coletto Creek AND basin rainfall)
- ❑ Crest near 25 feet Wednesday
- ❑ At 25 ft, Camino Drive is inundated. Livestock below Highway 59 to the Guadalupe River confluence are cut off.



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.



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Next Email Update: 4:30 PM
Monday, August 28, 2017