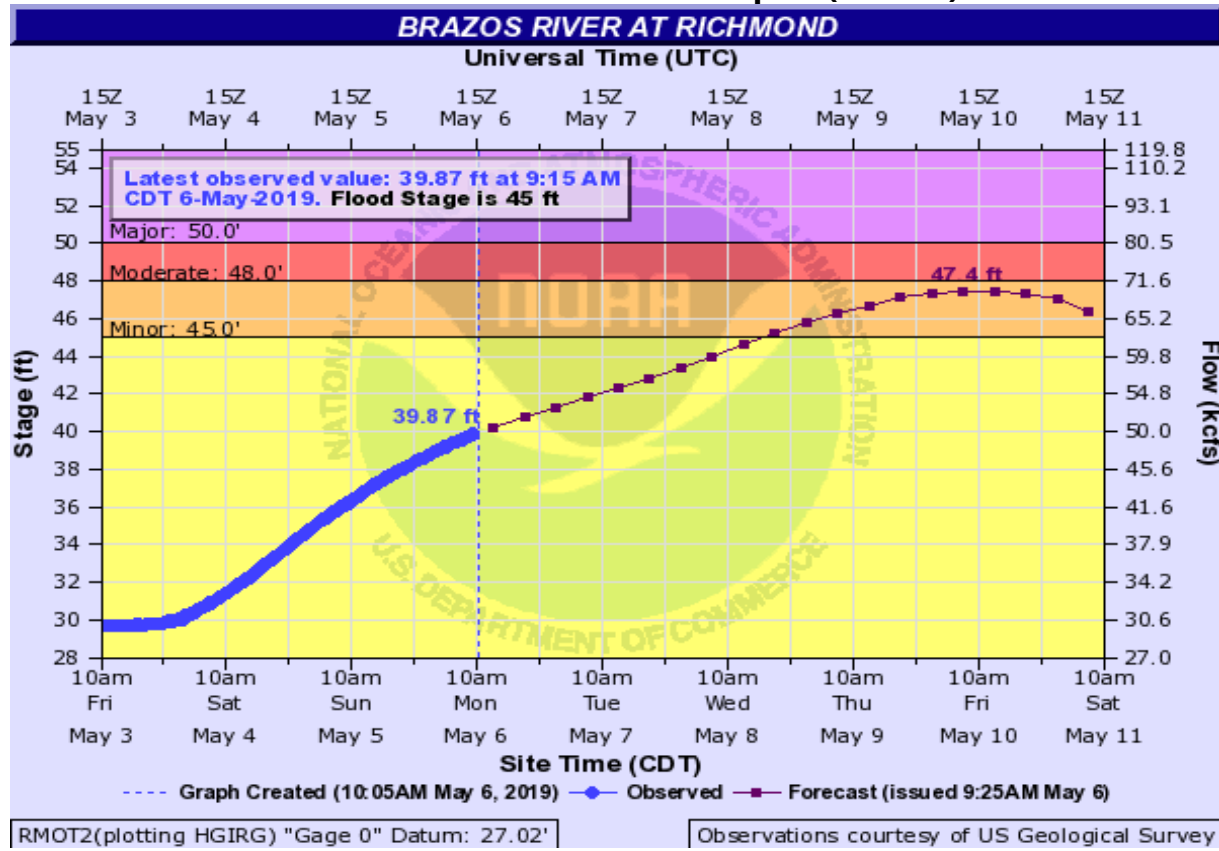


Flood Risk Assessment Week of May 6, 2019

Brazos River in Action Stage and Forecasted to Hit Minor Flood Stage / Severe Weather this Week

Brazos River Status

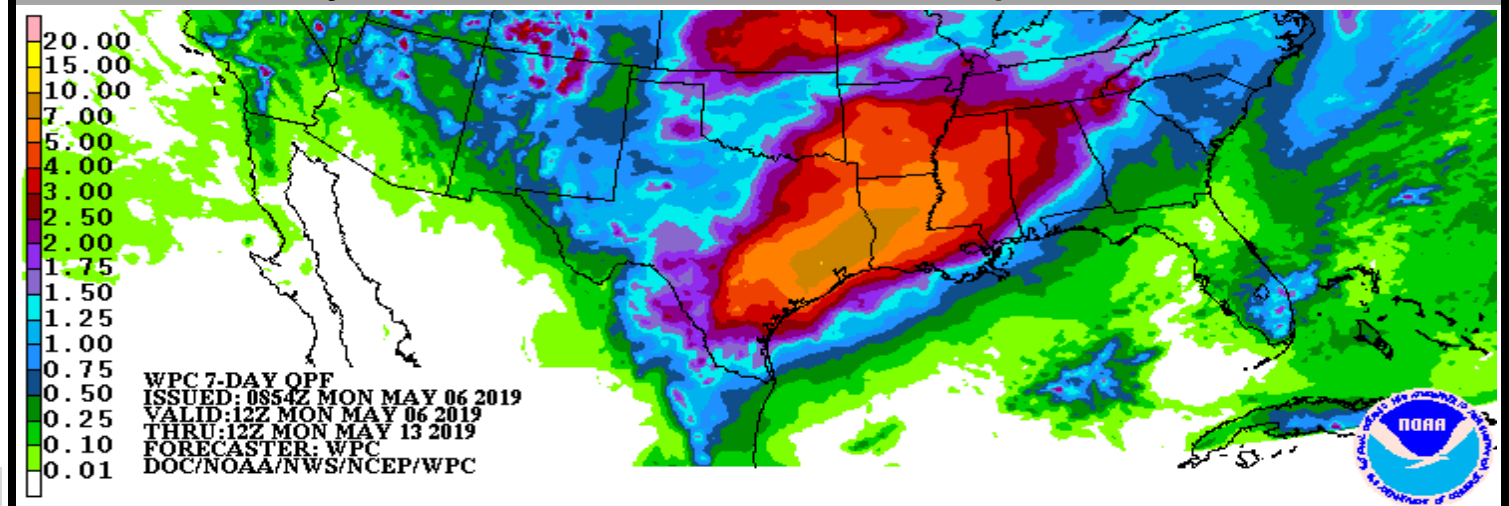
Latest Brazos River Forecast Graphic (WGRFC)



Current Levels *Forecasts Shown Below Current is Proposed Gage Reading at End of Forecast Window

Location	Datum Adj.	Cur. Stage	Cur. Category	Forecast
Navasota River Near Normangee	245.00	16.60	Flood Stage	12.60
Bryan (Brazos River)	189.30	42.22	Action Stage	14.80
Hempstead (Brazos River)	107.90	44.59	Action Stage	48.10
Mill Creek Near Bellville	122.82	12.38	Below Action	No Forecast
San Felipe (Brazos River)	0.00	115.68	Action Stage	120.70
Richmond (Brazos River)	27.02	39.87	Action Stage	47.40
Rosharon (Brazos River)	0.01	40.02	Action Stage	49.60

7 Day Rainfall Forecast (NOAA Quantitative Precipitation Forecast)



River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

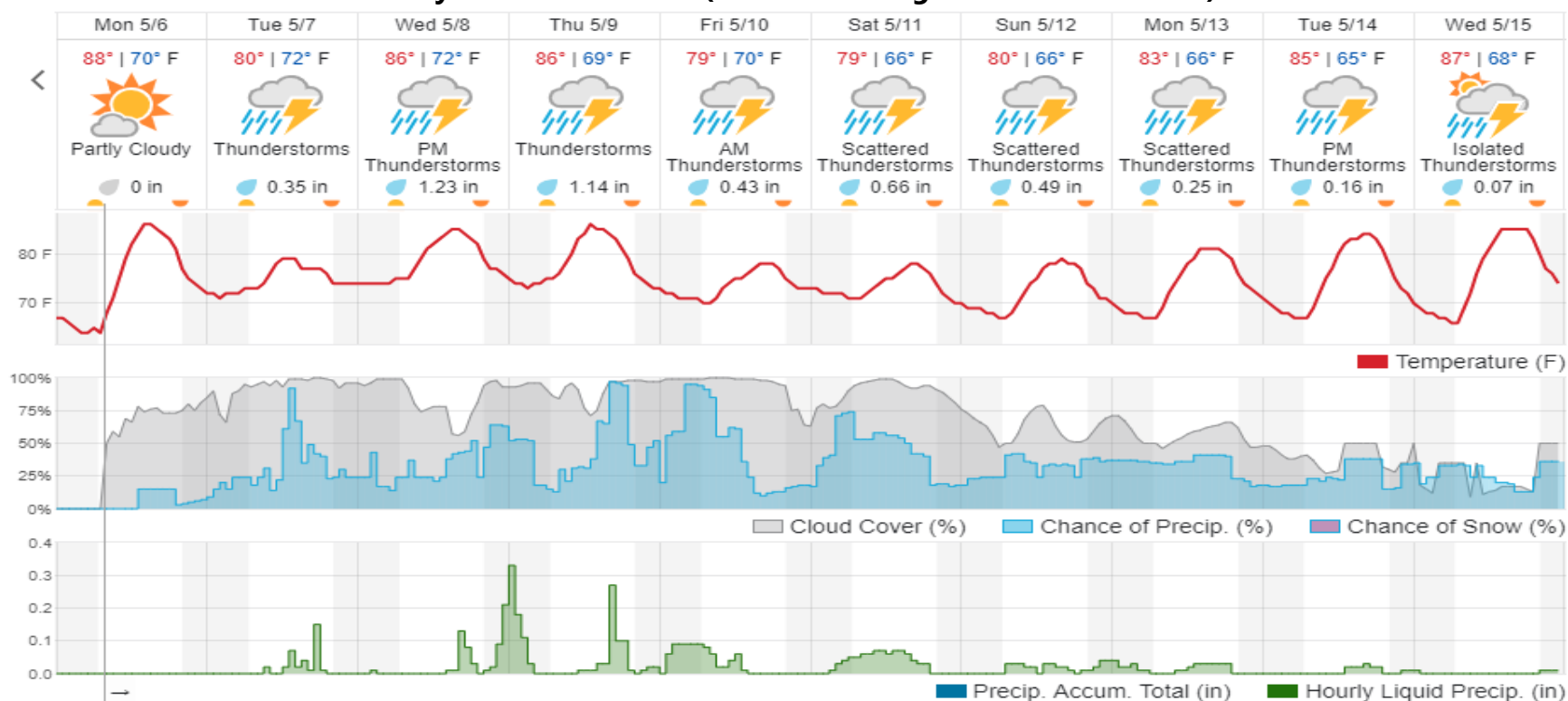
Historical Period Mean:	16.40	(10/98 - 02/19)
Historical Period Peak:	37.92	(10/98 - 02/19)

Rainfall (Inches) Summaries for 2019 *As Reported by NWS and USGS, Data Subject to Change

Location	Week's Forecast	Last Week	May (MTD)	2019 (YTD)	YTD Normal (Thru May)	Drought Cond. (05/02)
College Station (NOAA)	5.00	4.94	4.94	19.12	16.25	None
Brenham (NOAA)	7.00	2.94	2.94	12.00	17.52	None
Richmond (USGS)	7.00	0.05	1.96	7.58	17.02	None
Sugar Land (NOAA)	7.00	1.30	1.30	10.21	17.71	None
Bush Interc. (NOAA)	7.00	1.33	1.33	11.00	18.39	None

Weekly Weather Forecast

7 Day Weather Forecast (WeatherUnderground for Richmond)



NWS Forecast Discussion

...The chance for showers and thunderstorms will be on the rise as we move into the overnight hours as a shortwave propagates west to east across the region, embedded in the 500 mb flow, flowed by the main trough axis. Some uncertainty as we move into Tuesday morning, with a spread of solutions in both the global and short term guidance ...The Weather Prediction Center has placed our western zones in a slight risk for excessive rainfall through 12Z Tuesday, shifting this slight risk along and east of I-45 Tuesday through Wednesday morning. The Storm Prediction Center (SPC) has a marginal risk for severe storm over our SW zones, counties surrounding Matagorda Bay, Tuesday through Wednesday morning. At this time, the moderate to isolated areas of heavy rainfall looks to be the main hazard Tuesday into Wednesday. The low level jet at 850 mb really gets pumping early Wednesday morning, with 35-40 knots over the region. Models look to resolve a surface low over north TX which digs southwards across E TX Wednesday into Thursday. The upper level trough associated with this surface feature remains well to the north of SE TX, making along I-10 and northward the region under the best chance for showers and thunderstorm activity Wednesday into Thursday. The severe threat looks more favorable Wednesday and Thursday, with forecast soundings showing 0-3 km lapse rates around 7.0 deg C/km, MU CAPE values of 3000-3500, and a breakable cap with convective temperatures in the mid 80s...SPC places most of SE TX under a slight risk for severe storms, with large hail, damaging winds possible, and isolated tornadoes as the primary weather hazards. Also to note, grounds should be fairly saturated after this previous week's precipitation and the rainfall forecast Tuesday into early Wednesday, so would not be surprised if localized flooding becomes a factor once more. Towards the end of the week, our attention turns to the next cold front anticipated to stall out across the region...Global guidance shows the front stalling just north of I-10 by Friday afternoon, and acts as a focus for the development of precipitation. This axis will wash out over SE TX Friday and into the weekend, with conditions expected to dry out Sunday. Still plenty of uncertainty in the timing and placement of this boundary, and as a result, the timing and amount of precipitation anticipated for the end of the week. As always, we will need to continue to monitor the trends in global guidance in the coming of days.