

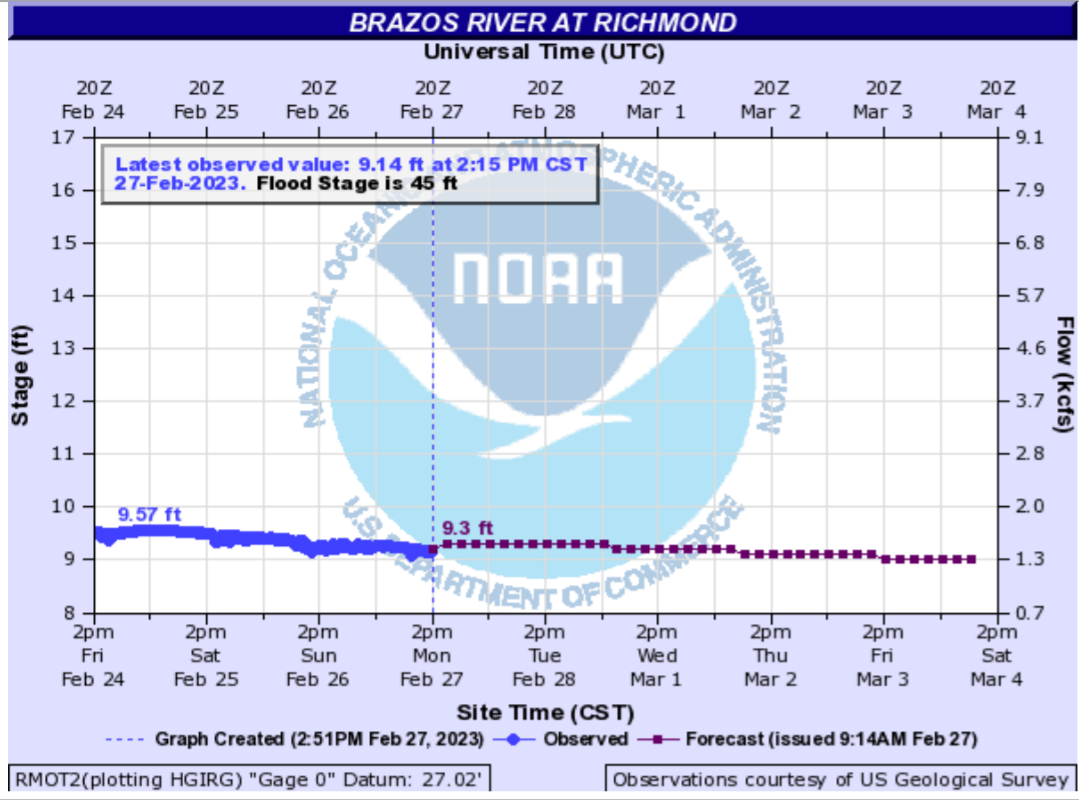
**Lower Brazos River Watershed (Fort Bend County)**  
**Weekly Flood Risk Assessment**  
**February 27, 2023 to March 6, 2023**



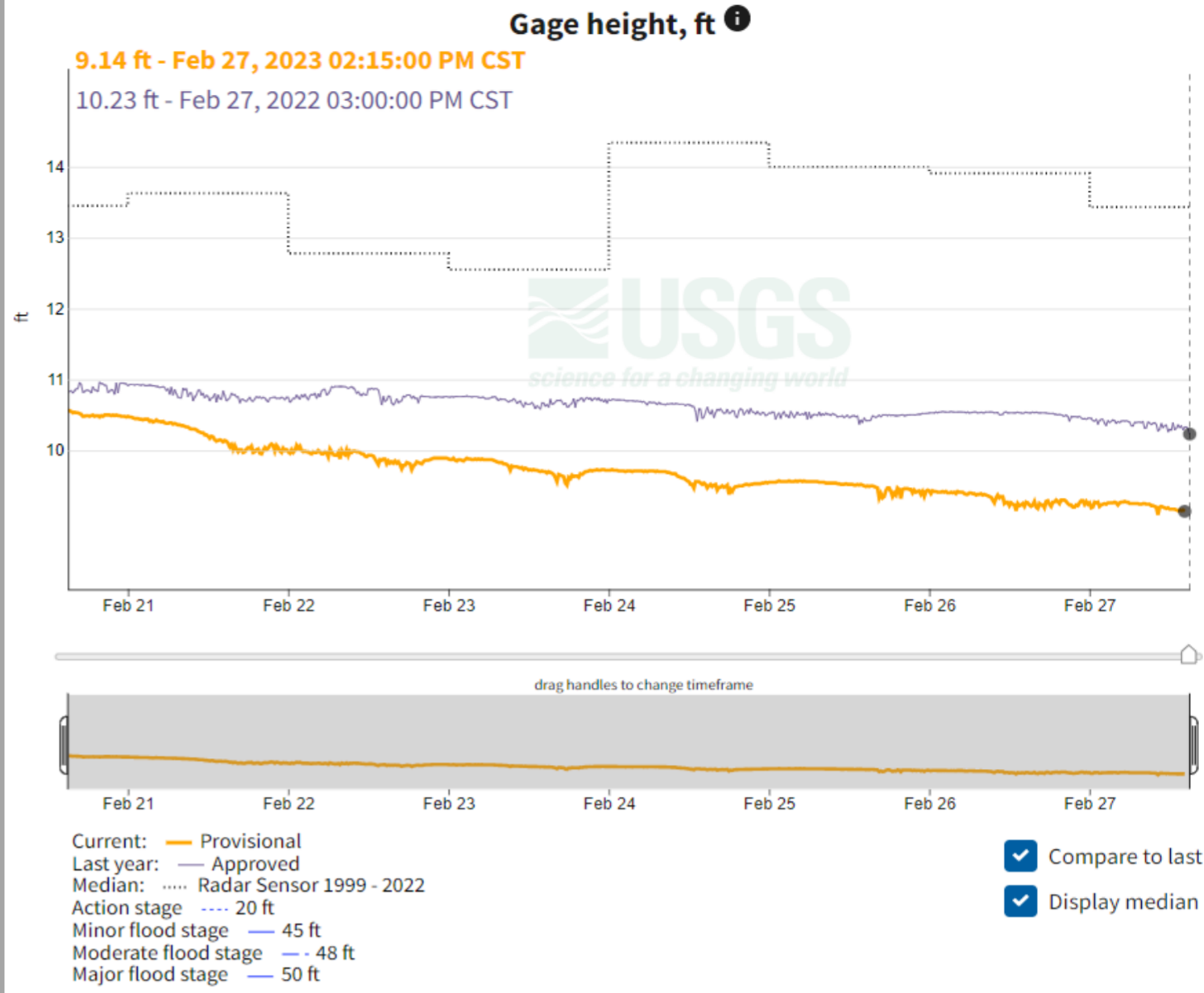
**Sunny/Partly Cloudy Throughout the Week with Rain Chances on Thursday - No Flooding Anticipated along the Brazos River**

**Brazos River at Richmond Summary**

**Latest Brazos River Forecast Graphic (WGRFC)**



**7 Day Brazos River Summary (USGS)**



|   |                                   |                    |                    |
|---|-----------------------------------|--------------------|--------------------|
| 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. | <b>Historical Period Mean:</b>    | 14.38              | (10/98 - 09/22)    |
|   | <b>Historical Period Peak:</b>    | 37.90              | (10/98 - 09/22)    |
|   | <b>Historical Peaks (Top 8)</b>   |                    |                    |
| <b>Flood Categories</b>   | 61.20 (12/10/1913)                | 50.30 (10/21/1994) |                    |
| Major Flood Stage   | 50                                | 55.19 (09/01/2017) | 50.13 (05/05/1957) |
| Moderate Flood Stage  | 48                                | 54.74 (06/02/2016) | 50.01 (06/03/2015) |
| Flood Stage   | 45                                | 51.40 (11/28/1940) | 49.68 (01/01/1992) |
| Action Stage  | 20                                |                    |                    |
| Low Stage   | 0                                 |                    |                    |
|   | <b>Current Brazos River Trend</b> | Low                |                    |

**Overall Watershed Status**

**USGS and WGRFC Current/Forecast Levels**

Data as of 02/13/2023 @ 9:15 AM CST

| Location                           | Datum Adj. | Cur. Stage | Flood Level  | Forecast         |
|------------------------------------|------------|------------|--------------|------------------|
| Navasota River Near Normangee      | 245.00     | 2.61       | Below Action | No Forecast      |
| Brazos River near Bryan            | 189.30     | 7.26       | Below Action | 7.30             |
| Brazos River at Washington (USGS)  | 140.13     | 17.45      | Below Action | Future (Testing) |
| Yegua Creek at Lake Somerville     | 0.00       | 235.63     | N/A          | No Forecast      |
| Brazos River near Hempstead        | 107.90     | 10.29      | Below Action | 10.20            |
| Mill Creek near Bellville          | 122.82     | 3.16       | Below Action | No Forecast      |
| Brazos River above San Felipe      | 0.00       | 93.57      | Below Action | 93.70            |
| Brazos River at Richmond           | 27.02      | 9.14       | Below Action | 9.30             |
| Brazos River at US 59 (Sugar Land) | 0.00       | 29.29      | Below Action | 29.40            |
| Brazos River near Rosharon         | 0.01       | 6.12       | Below Action | 5.50             |

**Reservoir Status - U.S. Army Corps of Engineers and Other Lakes in the Ft Worth District**

Report Generated 27 FEB 2023 2056 GMT

| Reservoir      | Elevation (feet) | Conservation Pool | Difference | 24 Hour Change | Release (cfs) | Flood Pool | Available Storage / Freeboard (Feet) |
|----------------|------------------|-------------------|------------|----------------|---------------|------------|--------------------------------------|
| Possum Kingdom | 993.1            | 999               | (-5.90)    | 0.03           | 35            | ----       | ----                                 |
| Granbury       | 691.16           | 692.7             | (-1.54)    | (-0.02)        | 19            | ----       | ----                                 |
| Whitney        | 526.83           | 533               | (-6.17)    | 0.01           | 25            | 571        | 44.2                                 |
| Aquilla        | 532.61           | 537.5             | (-4.89)    | (-0.02)        | 5             | 556        | 23.4                                 |
| Waco           | 451              | 462               | (-11.00)   | 0              | 10            | 500        | 49.0                                 |
| Proctor        | 1152.68          | 1162              | (-9.32)    | (-0.11)        | 0             | 1197       | 44.3                                 |
| Belton         | 580.07           | 594               | (-13.93)   | (-0.00)        | 24            | 631        | 50.9                                 |
| Stillhouse     | 609.9            | 622               | (-12.10)   | (-0.02)        | 1             | 666        | 56.1                                 |
| Georgetown     | 777.24           | 791               | (-13.76)   | 0.03           | 0             | 834        | 56.8                                 |
| Granger        | 504.29           | 504               | 0.29       | 0.02           | 4             | 528        | 23.7                                 |
| Somerville     | 235.61           | 238               | (-2.39)    | 0.02           | 1             | 258        | 22.4                                 |
| Limestone      | 360.06           | 363               | (-2.94)    | 0.01           | 9             | ----       | ----                                 |

**Weekly Weather Forecast**

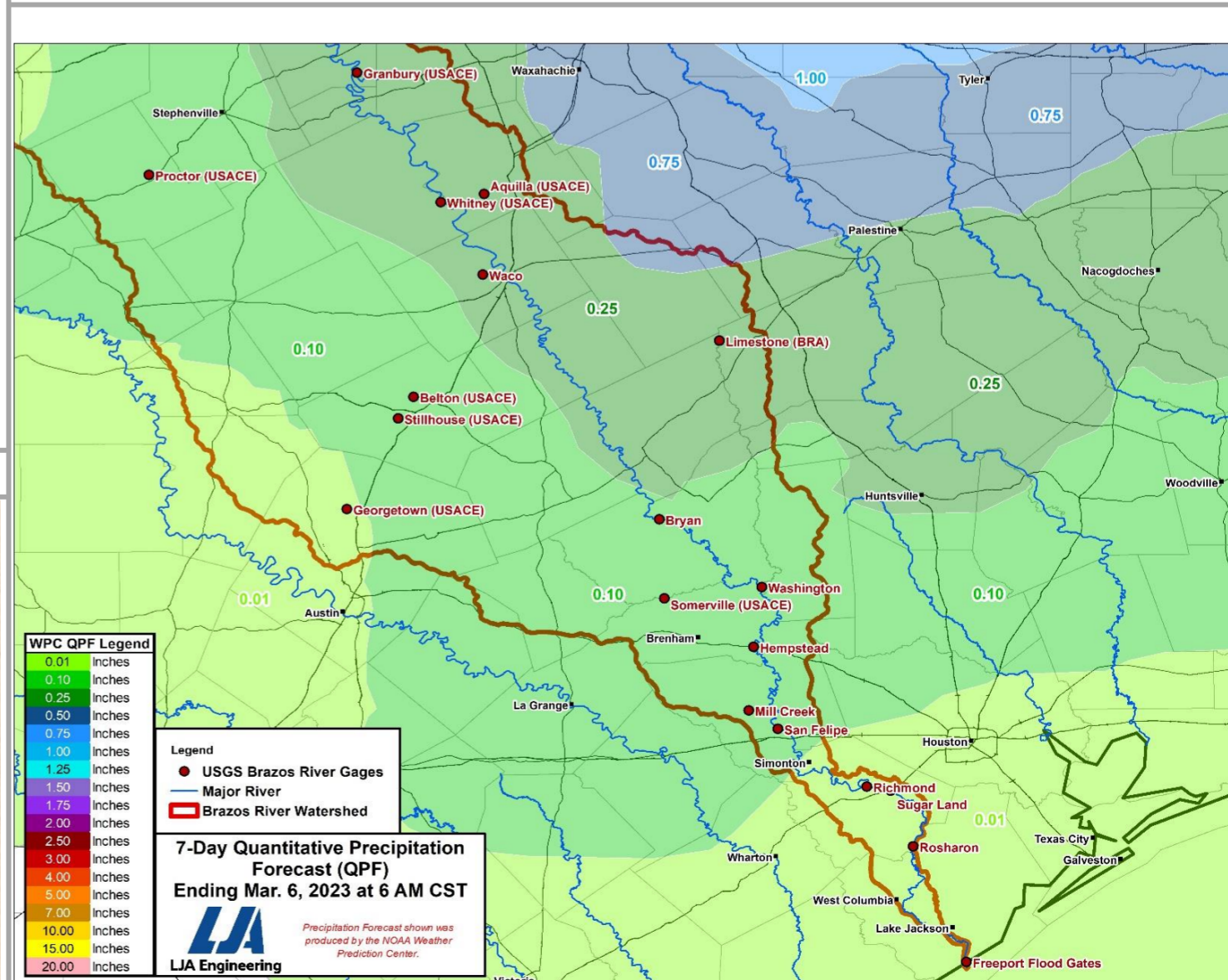
**10 Day Weather Forecast (KHOU - Houston)**

| Day        | High/Low | Precip | Wind       |
|------------|----------|--------|------------|
| MON Feb 27 | 83/70    | 0%     | 9 MPH W    |
| TUE Feb 28 | 84/62    | 0%     | 14 MPH SSW |
| WED Mar 01 | 85/70    | 0%     | 16 MPH S   |
| THU Mar 02 | 83/70    | 60%    | 20 MPH SSE |
| FRI Mar 03 | 65/51    | 0%     | 18 MPH NW  |
| SAT Mar 04 | 72/45    | 0%     | 9 MPH N    |
| SUN Mar 05 | 75/50    | 0%     | 13 MPH ESE |
| MON Mar 06 | 77/69    | 24%    | 15 MPH SE  |
| TUE Mar 07 | 83/70    | 19%    | 14 MPH SSE |
| WED Mar 08 | 82/63    | 24%    | 14 MPH S   |

**Rainfall (Inches) Summaries for 2023 \*As Reported by NWS and USGS, Data Subject to Change**

| Location               | Week's Forecast | Last Week | February (MTD) | 2023 (YTD) | YTD Normal (Thru Feb. 28) | Drought (02/21) |
|------------------------|-----------------|-----------|----------------|------------|---------------------------|-----------------|
| College Station (NOAA) | 0.10            | 0.00      | 2.65           | 4.98       | 6.33                      | None            |
| Brenham (NOAA)         | 0.10            | 0.03      | 1.25           | 4.94       | 6.55                      | None            |
| Richmond (WUG)         | 0.01            | 0.09      | 1.06           | 4.64       | 6.70                      | None            |
| Sugar Land (NOAA)      | 0.01            | 0.15      | 1.02           | 4.10       | 6.97                      | None            |
| Bush Interc. (NOAA)    | 0.01            | 0.10      | 1.52           | 8.18       | 6.73                      | None            |

**7-Day Quantitative Precipitation Forecast (QPF) - NWS Data for Brazos River Watershed**



**National Weather Service Houston-Galveston**

**5-Day Weather Outlook**

| MONDAY                               | TUESDAY                                   | WEDNESDAY                            | THURSDAY  | FRIDAY  |
|--------------------------------------|---|--------------------------------------|---|---|
| <b>HIGHS: 78-82°</b><br>Mostly Sunny | <b>HIGHS: 80-84°</b><br>Increasing Clouds | <b>HIGHS: 84-87°</b><br>Warm & Muggy | <b>HIGHS: 80-84°</b><br>40% Warm, Increasing Chance of T-Storms | <b>HIGHS: 60-65°</b><br>Cooler, Breezy, & Dry |
| <b>Lows: 52-57°</b>                  | <b>Lows: 67-70°</b>                       | <b>Lows: 67-71°</b>                  | <b>Lows: 45-50°</b>   | <b>Lows: 41-46°</b>                           |

Temperatures will be warming through midweek with highs in the upper 80s possible Wednesday (and humid). A cold front will move through late Thursday bringing a chance of strong thunderstorms. Cooler and drier weather is expected Friday and into the weekend.

Precipitation Forecast Data and Shading was produced by the NOAA Weather Prediction Center. LJA overlaid data on Watershed Map.

Disclaimer: Information presented in this graphic was based on forecast data prepared by the National Weather Service, the West Gulf River Forecast Center, and other weather related sources experienced with forecasting and/or mapping. The forecasts are taken on Monday mornings and are subject to change. LJA is not responsible for the accuracy of the information presented as these forecasts and/or weather conditions change. For up to date information, please visit your favorite local weather source and/or <https://www.weather.gov/hgx/>.