



Addicks and Barker Reservoirs

CWMS Forecast: 07/02/2021 @1200

Since May 16, the Buffalo Bayou watershed has received 12-21 inches of rainfall. Both reservoirs dropped below Stage 1 yesterday, and current combined releases are ~800 cfs. Now that both reservoirs are below Stage 1, we will be targeting a flow at Piney Point of less than 2000 cfs. Barker is expected to be above Stage 1 tomorrow. According to the NWS forecast, starting on Saturday and continuing through next week a rainier weather pattern may emerge, and widespread heavy rainfall is anticipated. The current 24-hr QPF is ~0.25-0.5 inches, and the 7-day cumulative QPF is about 4 inches.

This forecast assumes a 7-day rainfall distribution as shown on Figure 2 on Page 2 of this document with a total rainfall amount of about 3-4 inches.

The Corps Water Management System (CWMS) modeling suite is run to help plan reservoir operations. This CWMS forecast was created by USACE on July 2, 2021 using the best data available at the time. It may or may not accurately reflect existing or future conditions. Updated reservoir forecasts will be provided if NWS substantially changes its precipitation forecast.

Forecast Summary for 7-Day QPF				
	Addicks		Barker	
Peak	85.85 ft	6 June 2021, 1100	83.90 ft	6 June 2021, 0800
Time of Forecast	85.62 ft	02 July 2021, 1200	84.60 ft	02 July 2021, 1200
EW, Stage 1 Res. Level	< 87 ft	13 July 2021, 0000	< 85 ft	19 July 2021, 0200
Empty	70 ft	22 July 2021, 0200	71.2 ft	22 July 2021, 0700

Forecast Information:

- Forecast Start Time: 07/02/2021 @1200
- Lookback Period: 47 days
- Forecast End Time: 07/24/2021
- Data Sources
 - NexRad
 - Manual QPF from local NWS office
- Predicted reservoir flows shown on Pages 3 & 4
- Predicted discharges available on request

Real-time Reservoir Information:

- [Addicks Reservoir](#)
- [Barker Reservoir](#)
- [Buffalo Bayou @ Piney Point](#)



Figure 1. WGRFC 24-hr QPF

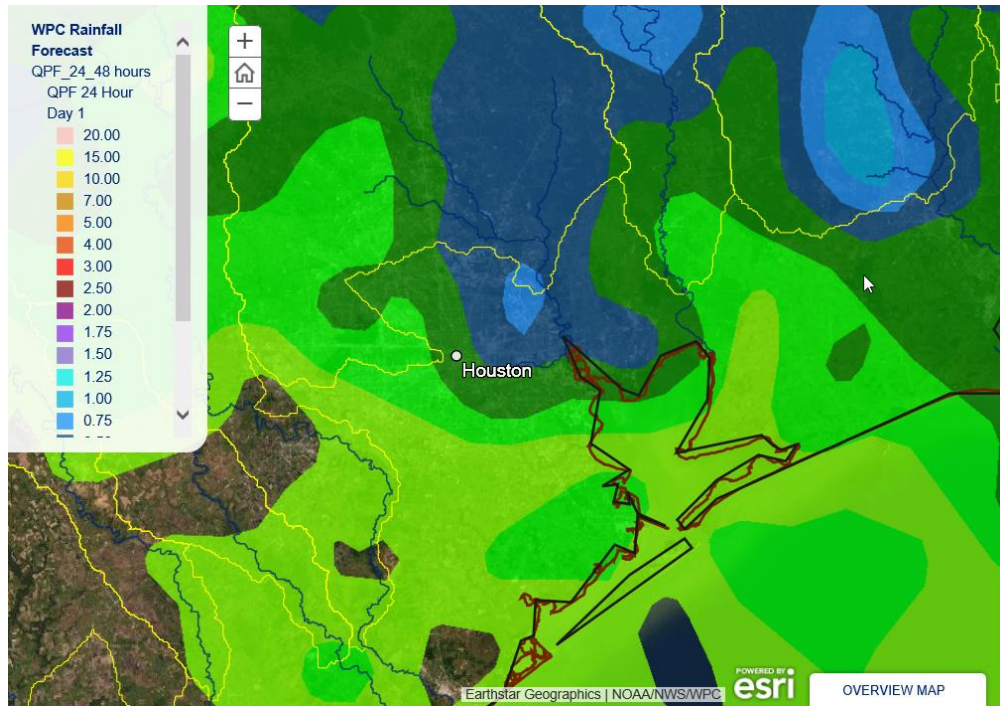


Figure 2. WGRFC 7-day cumulative QPF

