



Addicks and Barker Reservoirs

CWMS Forecast: 5/16/2023 @ 0900

Since last Friday, the Buffalo Bayou watershed downstream of the reservoirs has gotten 2.5-3 inches of rain, with similar amounts in Addicks and Barker reservoirs.

This forecast assumes a 7-day cumulative rainfall as shown on Figure 3 on Page 3 of this document with a total rainfall amount of ~0.2 inches. The current 24-hr QPF is 0.08 inches. This forecast also assumes that releases will be slightly increased over time to maintain a flow just below 2000 cfs at Piney Point.

The Corps Water Management System (CWMS) modeling suite is run to help plan reservoir operations. This CWMS forecast was created by USACE on May 16, 2023 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				
	Addicks		Barker	
Time of Forecast	90.51	16 May 2023, 0900	88.04	16 May 2023, 0900
Peak	90.54	17 May 2023	88.57	18 May 2023
EW, Stage 1 Res. Level	92.0	N/A	89.0	N/A
Empty	70	~2.5 weeks	71.2	~2.5 weeks

Forecast Information:

- Forecast Start Time: 5/16/2023 @ 0900
- Lookback Period: 11 days
- Forecast End Time: 6/13/2023
- Data Sources
 - NexRad
 - Manual QPF from local NWS office
- Predicted reservoir flows shown on Pages 4 & 5
- Predicted discharges available on request

Real-time Reservoir Information:

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



Figure 1. NWS Houston/Galveston Hourly Weather Forecast

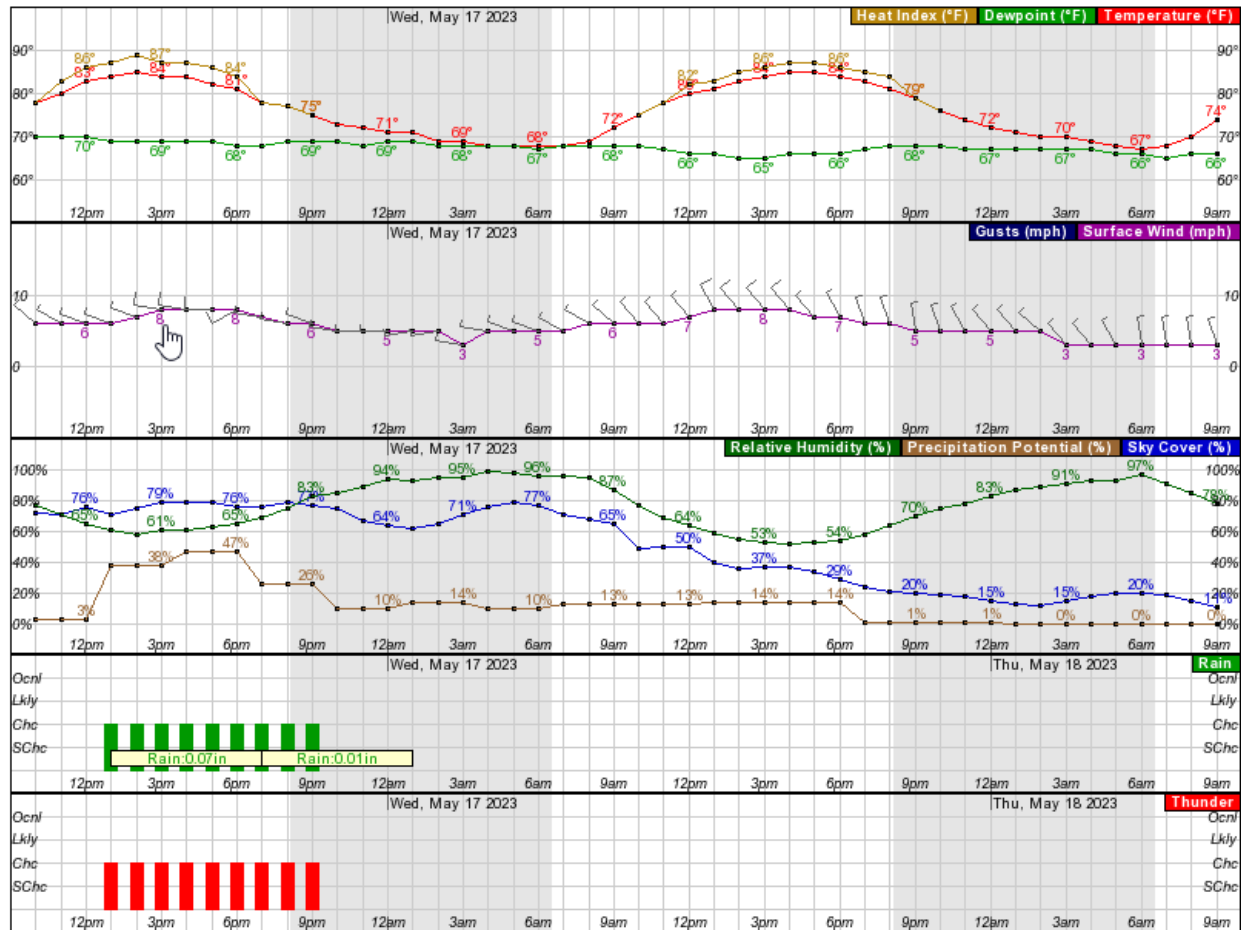




Figure 2. WGRFC 72-hr cumulative QPF



Figure 3. WGRFC 7-day cumulative QPF

