



Addicks and Barker Reservoirs

CWMS Forecast: 12/11/2018 @0900

Addicks and Barker watersheds received approximately 5.13 and 4.84 inches of rain, respectively, on December 7-8. Both reservoirs are both in Stage 1 Extended Watch and have peaked. Current releases are ~2530 cfs.

Based on this forecast, we expect to remain in Stage 1 at both reservoirs until the middle of next week and be empty in about 2 weeks. This forecast assumes a temporary decreases in releases Wednesday-Thursday for forecasted rainfall and a return to higher releases afterwards. This forecast uses 7-day QPF provided by WGRFC. No rain is forecasted today, but there are increasing chances of precipitation tomorrow afternoon and a cool front passing overnight into Thursday (~0.65 inches).

The Corps Water Management System (CWMS) modeling suite is run when precipitation is anticipated to help plan reservoir operations. This CWMS forecast was created by USACE on December 11, 2018 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	
Time of Forecast	89.82	11 Dec 2018, 0900	87.06	11 Dec 2018, 0900
Peak	~90.45	09 Dec 2018, Past	~87.27	10 Dec 2018, Past
EW, Stage 1 Res. Level	> 87	Past	> 85	Past
EW, Stage 2 Res. Level	97.46	Not forecasted	93.6	Not forecasted
Return to Normal Ops	< 87	19 Dec 2018	< 85	20 Dec 2018
Empty	70	~2 weeks	71.2	~2 weeks

Forecast Information:

- Forecast Start Time: 12/11/2018 09:00
- Lookback Period: 8 days
- Forecast End Time: 12/31/2019
- Data Sources
 - NexRad
 - Gridded QPF, WGRFC (11DEC18 12Z)
- Predicted reservoir flows shown on Pages 3 & 4
- Predicted discharges available on request

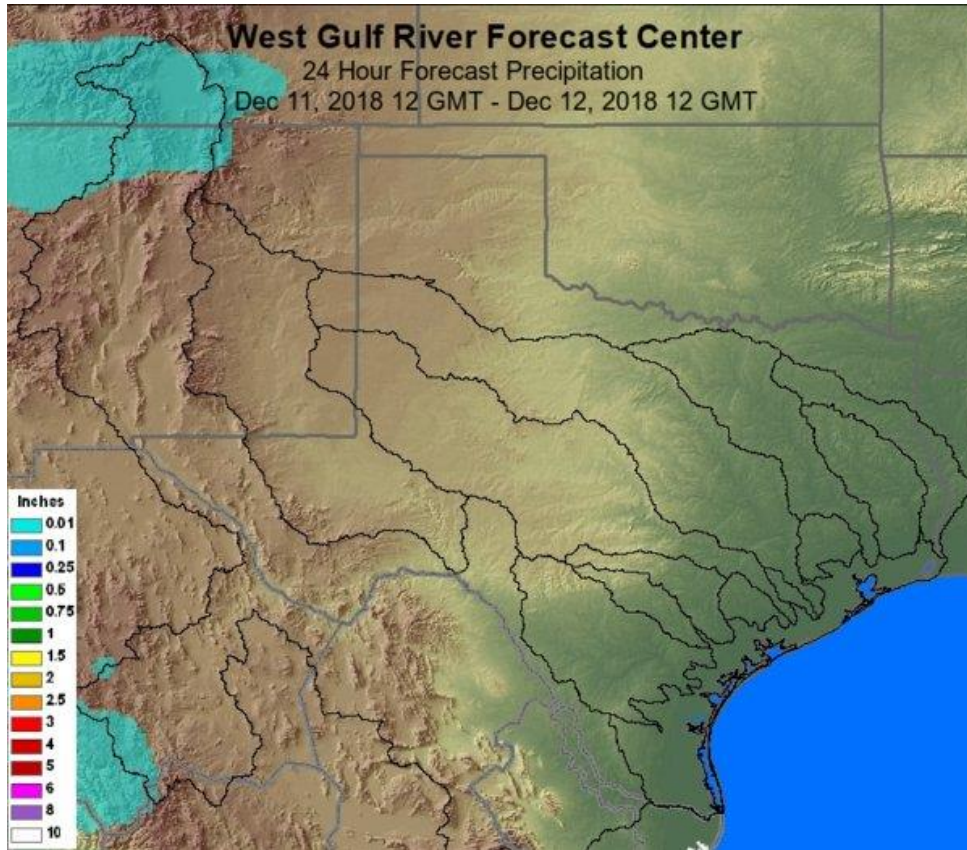


Figure 1. WGRFC 1-day QPF

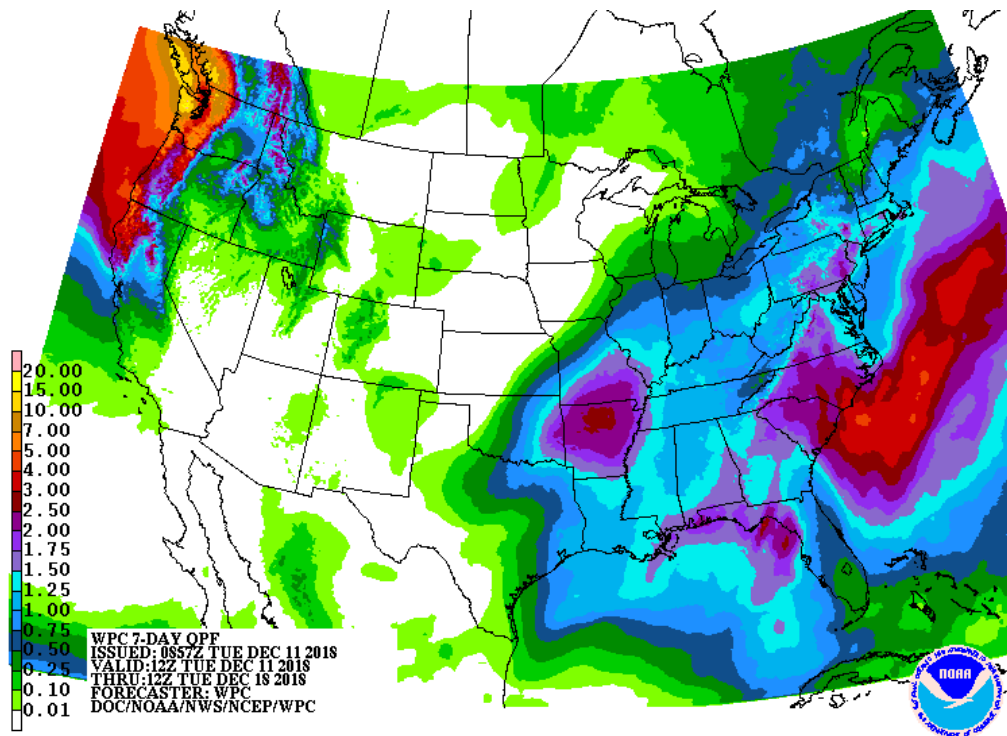


Figure 2. NCEP 7-day QPF

