



## Addicks and Barker Reservoirs

# CWMS Forecast: 12/06/2018 @0600

**BLUF: We expect impacts to minor roads and low lying recreational facilities in both reservoirs. It would take roughly twice the rain in this forecast (9-11 inches) to see impacts to major roadways in the reservoirs.**

Heavy rainfall is forecasted across the Houston metropolitan region from Friday afternoon to Saturday morning. Addicks and Barker dams are currently empty and gates remain open.

This pre-event forecast uses the 7-day QPF provided by WGRFC and estimates 4.5 inches of rain in both Addicks and Barker watersheds, mostly falling Friday-Saturday, and assumes a dam closure Friday afternoon and releases beginning Saturday evening. Within the reservoirs, we expect impacts to minor roads (Patterson Rd, Bear Creek Dr, Barker Clodine Rd) and low lying recreation areas. We do not expect impacts from releases. It would take roughly twice the rain in this forecast (9-11 inches) across the reservoirs to see impacts to major roadways in the reservoirs.

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 6, 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	
<b>Time of Forecast</b>	70.45	06 Dec 2018, 0600	71.68	06 Dec 2018, 0600
<b>Peak</b>	90.27	10 Dec 2018	88.90	11 Dec 2018
<b>EW, Stage 1 Res. Level</b>	87	08 Dec 2018	85	08 Dec 2018
<b>EW, Stage 2 Res. Level</b>	97.46	Not forecasted	93.6	Not forecasted
<b>Empty</b>	70	~3-4 weeks	73.1	~3-4 weeks

### Forecast Information:

- Forecast Start Time: 12/06/2018 06:00
- Lookback Period: 6 days
- Forecast End Time: 12/14/2018
- Data Sources
  - NexRad
  - Gridded QPF, WGRFC (06DEC18 12Z)
- Predicted reservoir flows shown on Pages 3 & 4
- Predicted discharges available on request

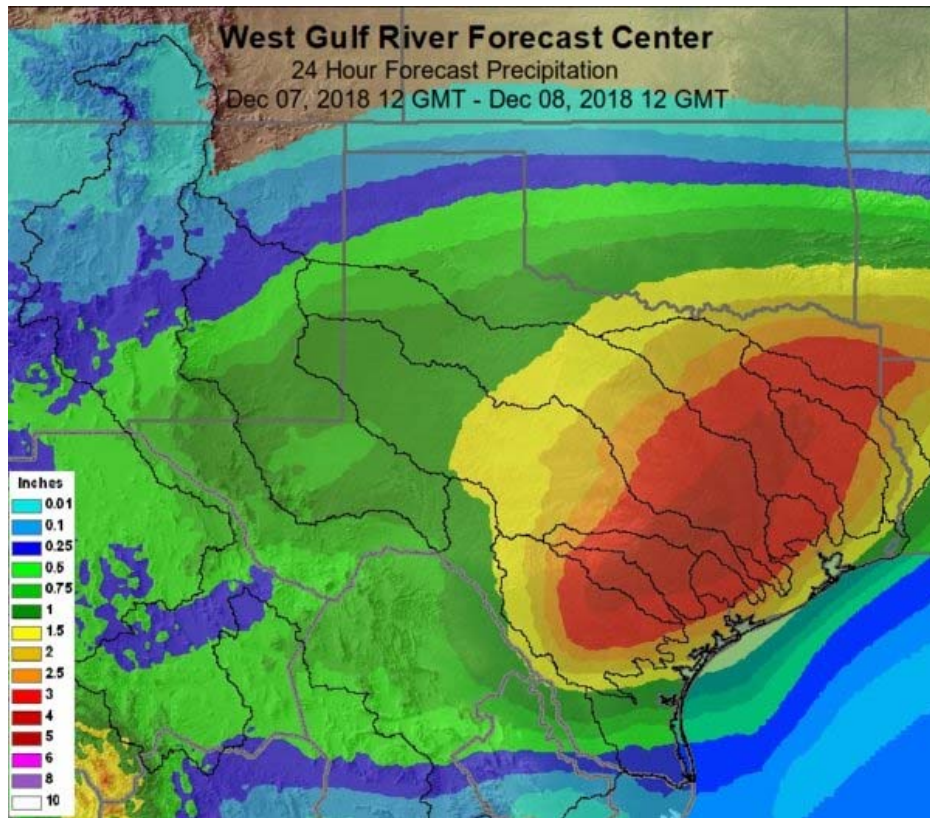


Figure 1. WGRFC QPF, hours 24-48

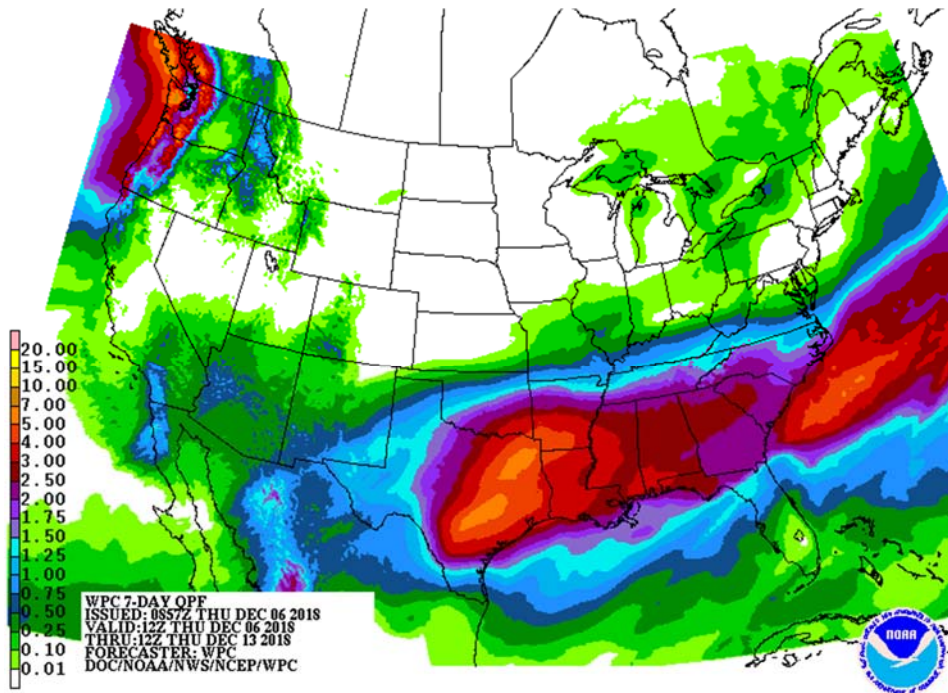


Figure 2. NCEP 7-day QPF

