



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

Bruce Rauner, Governor
Wayne A. Rosenthal, Director

Fox River Status Update
September 4, 2018

Current Conditions

Total measured inflows to the Chain of Lakes are 3050 cfs and rising. Flows on the Fox River at Algonquin Dam are 3650 cfs. The stage at Fox Lake is 5.0' and rising. The stage on the Fox River at Stratton Dam tailwater is 3.7' and rising.

The Fox River watershed received about 3" of precipitation over the past 48 hours. Figure 1 shows the estimated precipitation over the past 24 hours and Figure 2 shows precipitation over hours 25-48.

Figure 1: Precipitation from past 24 hours

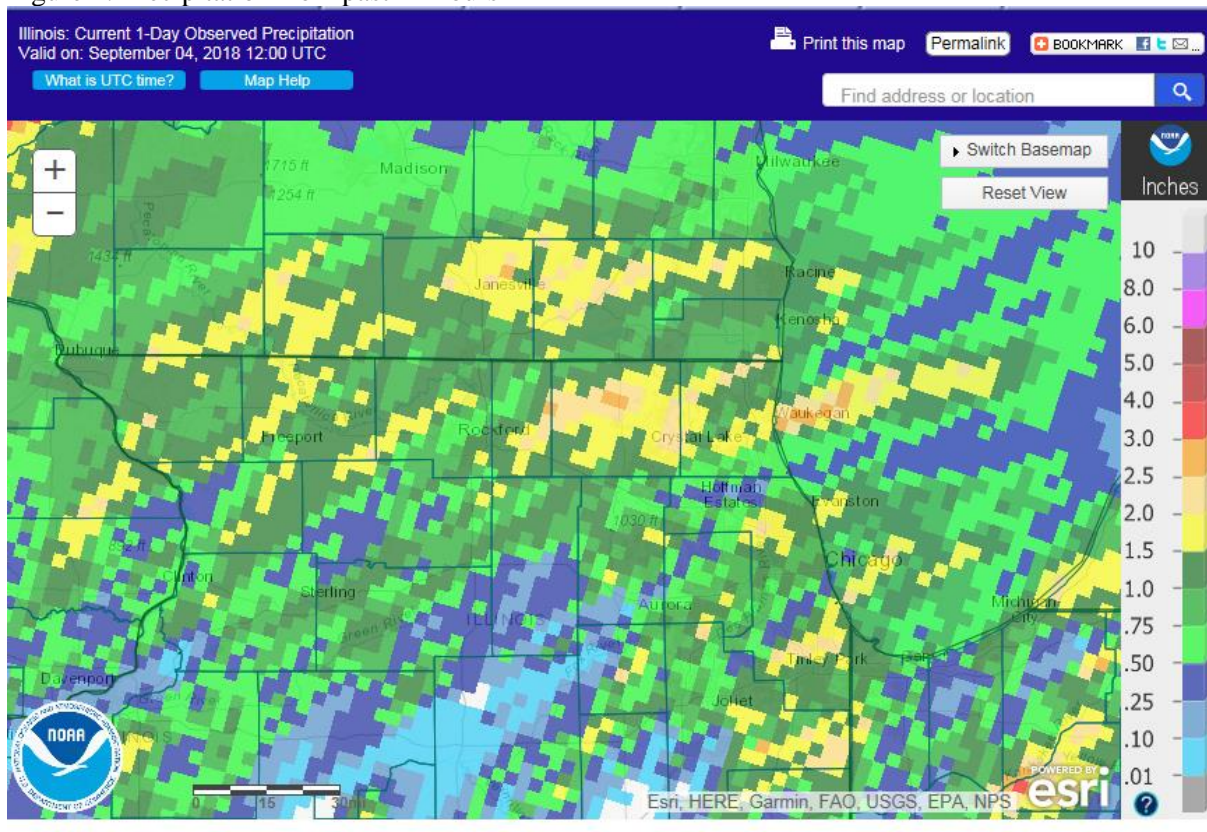
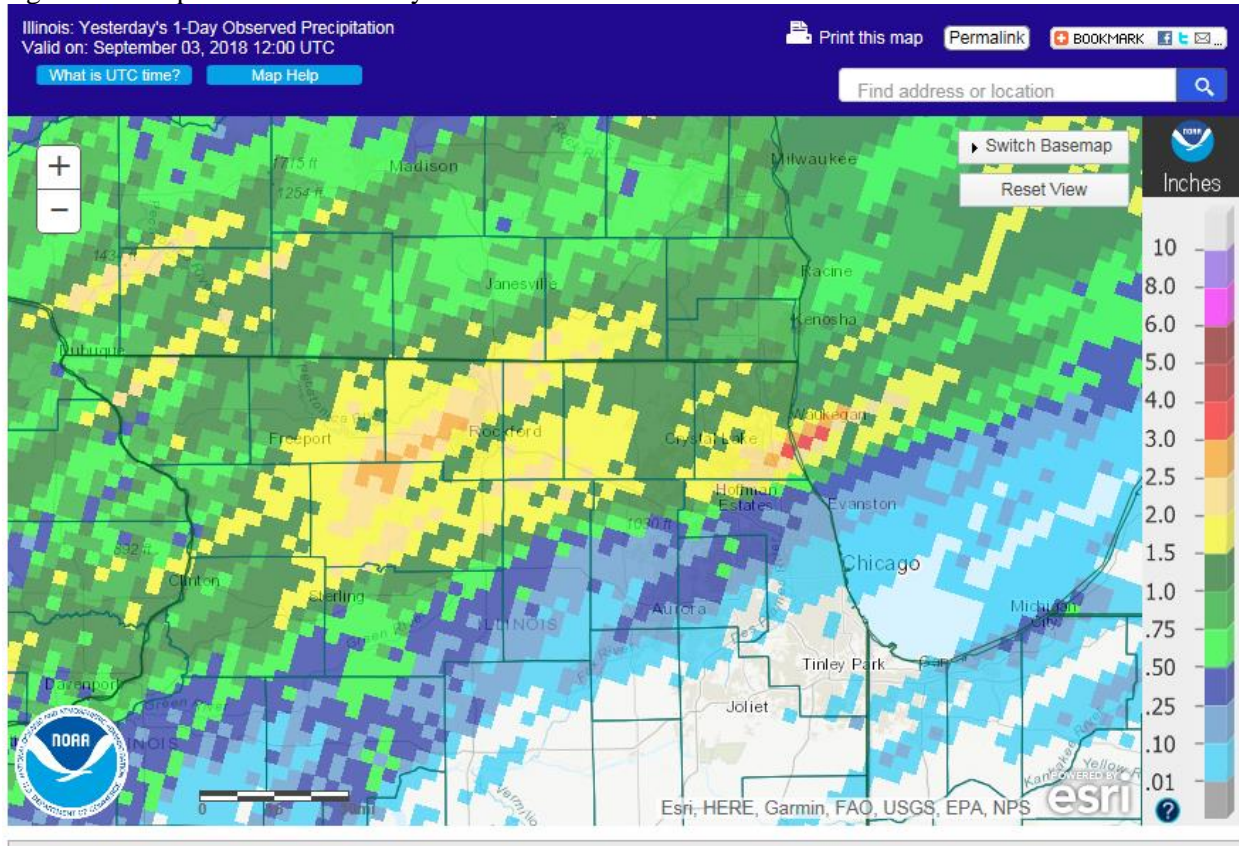


Figure 2: Precipitation from Sunday

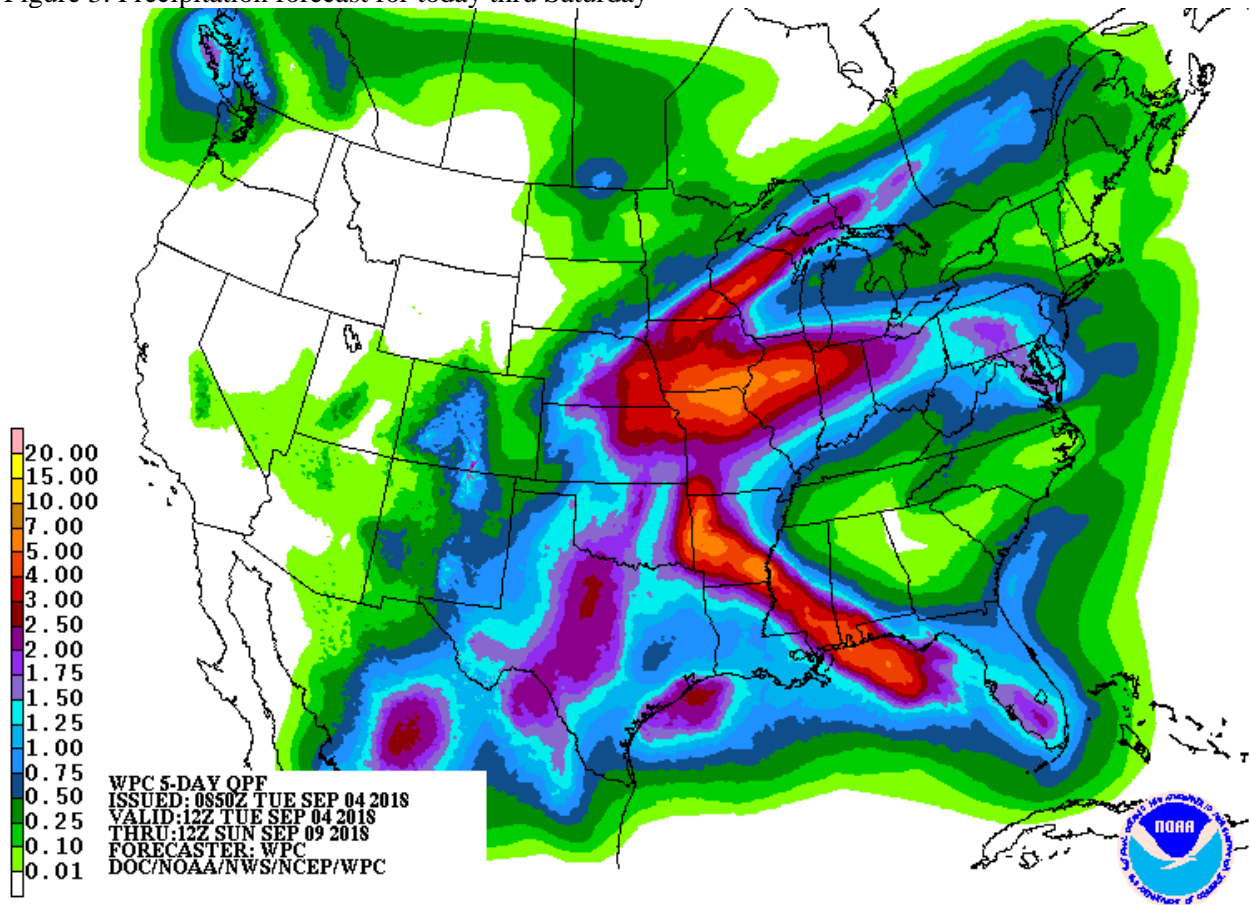


Forecast

The National Weather Service (NWS) is predicting ½" of rainfall for the in the Fox River Watershed on Wednesday. Potentially heavy rain is forecasted for Friday and Saturday as the remnants of Tropical Storm Gordon heads north overland. Figure 3 shows the NWS 5-day quantitative precipitation forecast.

The NWS is forecasting the Fox River near New Munster, WI to crest today at 10.5' (currently at 10.1'). The river forecast for Fox River at Algonquin Dam Tailwater is to remain at a stage of 9.5' for the next 3 days. Based on the rain received, Fox Lake is estimated to crest at 5.2' on Thursday. The Fox River at Stratton Dam is estimated to crest near 4.0' on Thursday.

Figure 3: Precipitation forecast for today thru Saturday



System Conditions and Operations

Sluice Gates are open at Stratton Dam. The hinged crest gate at Stratton Dam will be partially opened today. The increased outflows are estimated to increase the stage on the Fox River Stratton Dam Tailwater to 4.0'. This increase in stage will bring the Fox River to bankfull with flooding in some yards. No home should be flooded at this stage.

The hinged crest gate At Algonquin Dam was partially opened on Wednesday August 29. The gate will be opened more today.

Rita Lee, P.E., CFM

Office of Water Resources

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<https://www.dnr.illinois.gov/WaterResources/Pages/StrattonLockandDam.aspx>