



Illinois Department of Natural Resources

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

Bruce Rauner, Governor
Wayne A. Rosenthal, Director

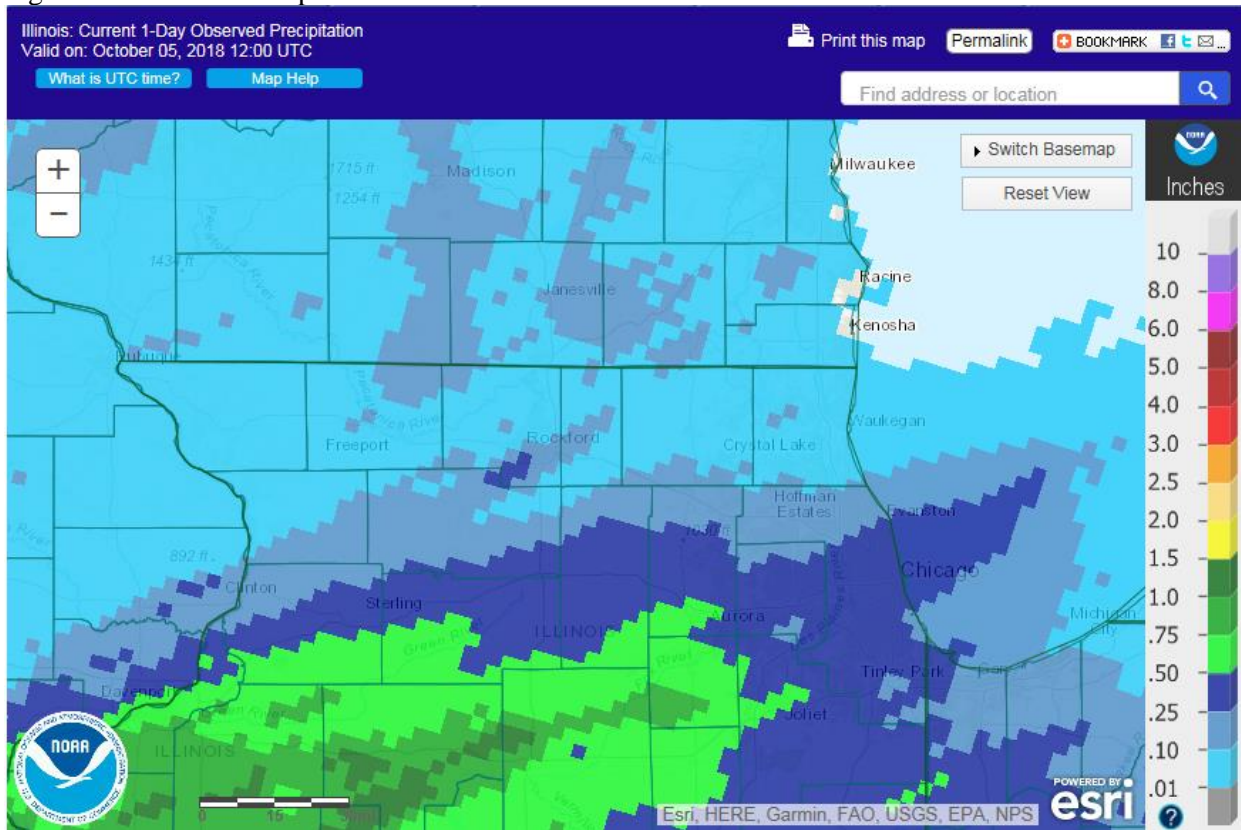
Fox River Status Update October 5, 2018

Current Conditions

Measured inflows on the Fox River near New Munster, WI are 2700 cfs and slightly falling, and on Nippersink Creek near Spring Grove flows are 344 cfs and falling. Flows on the Fox River at Algonquin Dam are 3110 cfs. The Fox Lake stage is 4.9 ft and the Stratton Dam Tailwater stage is 3.8 ft. The Fox River at the Algonquin Dam Tailwater stage is 8.8ft.

Most of the Fox River watershed received very little rainfall during the past 24 hours as shown on Figure 1.

Figure 1: Observed Precipitation



Forecast

As shown in Figure 2, the National Weather Service (NWS) is predicting 1 ½ ” to 2” of rainfall for the next 24 hours in the Fox River watershed. Rainfall is expected to continue for 7 days; figure 3 shows the total forecasted rainfall for next 7 days.

The NWS is predicting the Fox River near New Munster will crest of a stage of 13.9 feet on October 8, with an estimated peak flow of 3900 cfs. The NWS is forecasting the Fox River at Algonquin Tailwater will crest at a stage of 10.4’ and flow of 4600 cfs on October 7. These forecasts included forecasted rainfall for the next 48 hours.

Figure 2: Forecasted Rainfall for the Next 24 Hours

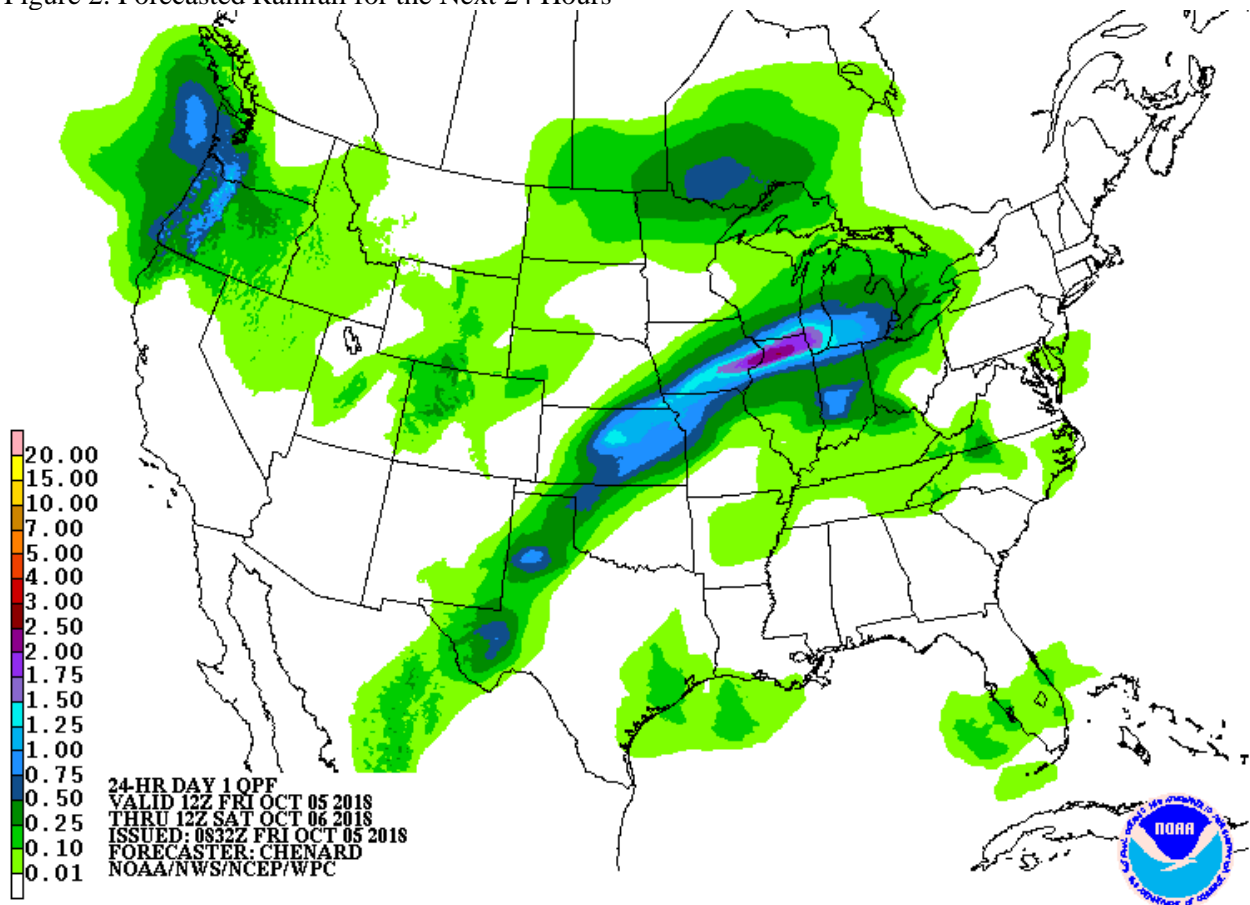
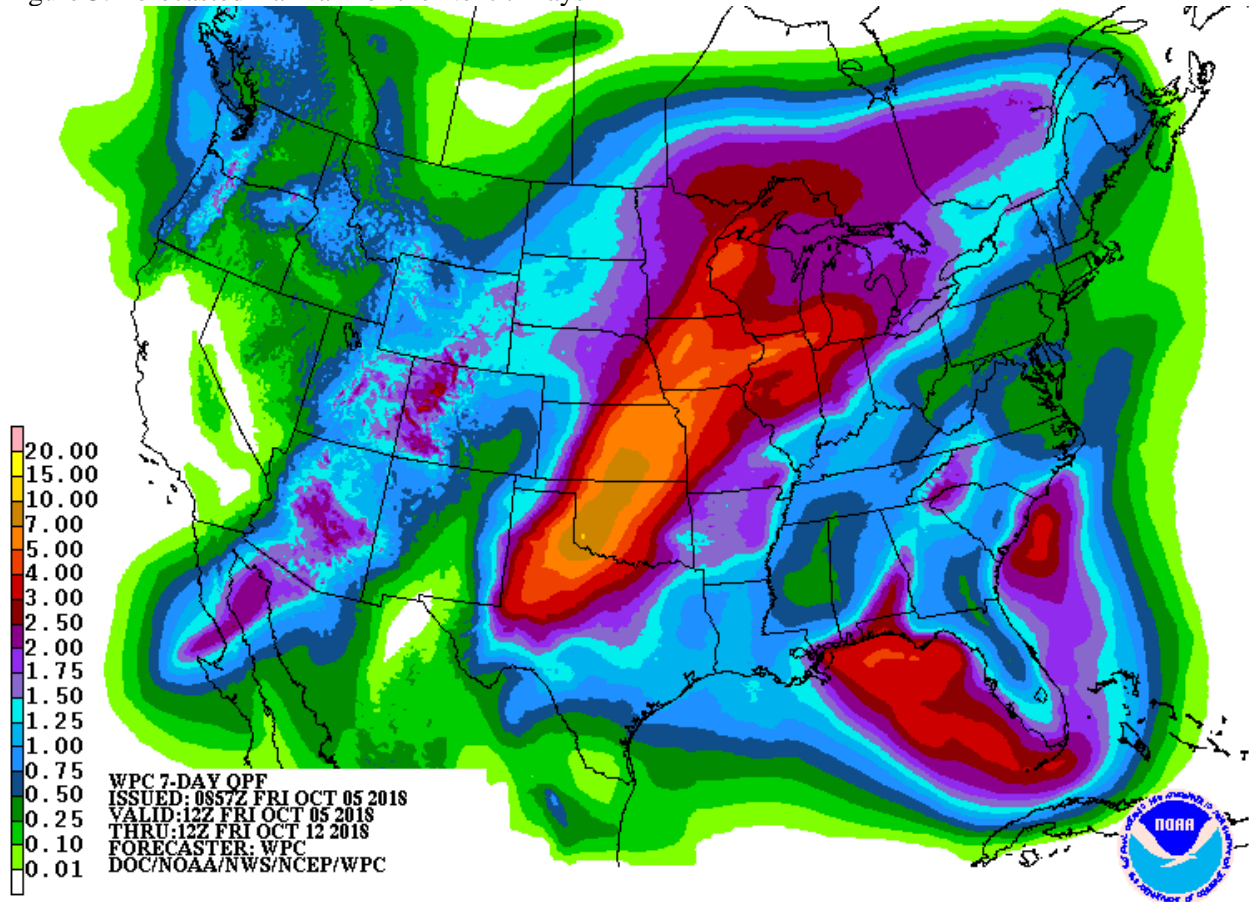


Figure 3: Forecasted Rainfall for the Next 7 Days



System Conditions and Operations

The sluice gates and the hinged crest gate at Stratton Dam are opened to release 3,000 cfs. Hinged crest gate at Algonquin Dam is fully opened.

If the forecasted rainfall occurs, gates will be fully opened at Stratton Dam. Based on the precipitation forecast for the next 24 hours, the Stratton Dam tailwater may crest at 5.5' and the Chain of Lakes may crest at 6.0' at Fox Lake on October 11.

Rita Lee, P.E., CFM

Office of Water Resources

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