



# Illinois Department of Natural Resources

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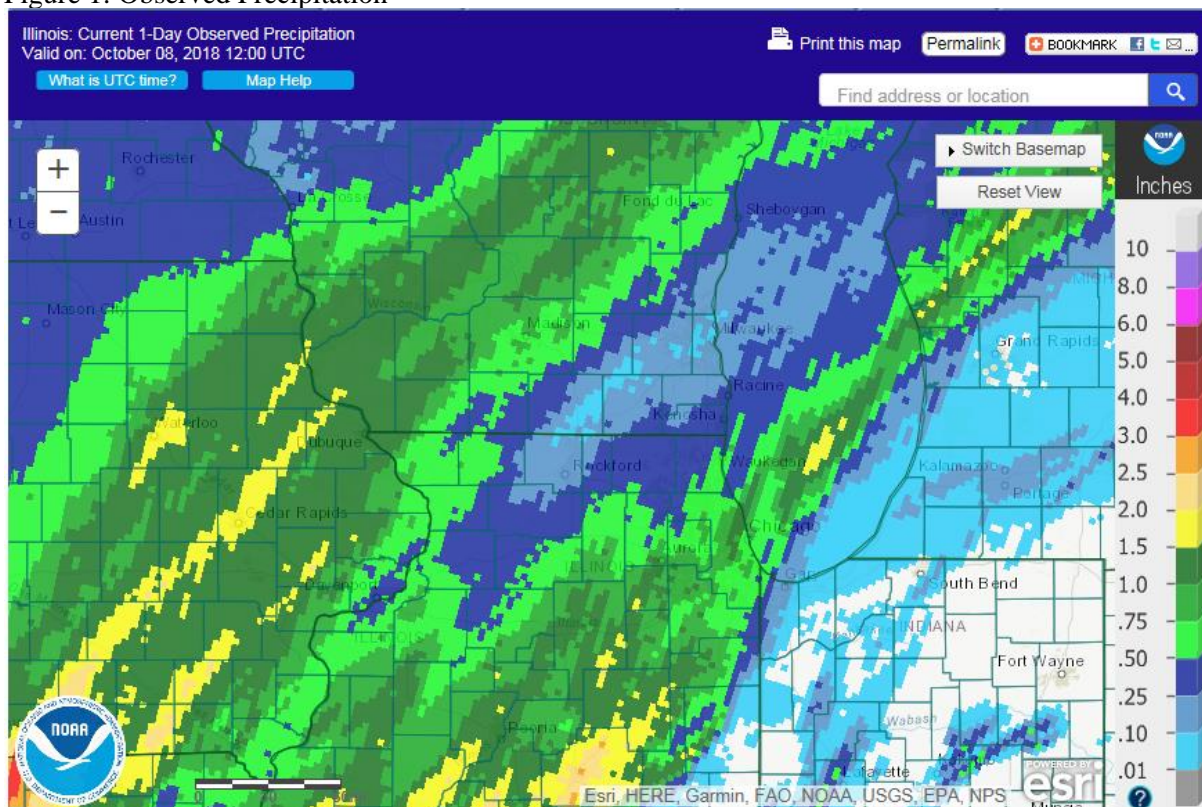
## Fox River Status Update October 8, 2018

### Current Conditions

Measured inflows on the Fox River near New Munster, WI are 3330 cfs and appears to be cresting; flows on Nippersink Creek near Spring Grove are 1270 cfs and appears to be cresting. Flows on the Fox River at Algonquin Dam are 4360 cfs. The Fox Lake stage is 5.7 ft and the Stratton Dam Tailwater stage is 5.1 ft. The Fox River at the Algonquin Dam Tailwater stage is 10.1 ft.

Most of the Fox River watershed above Algonquin Dam received  $\frac{1}{4}$ " of rain over the past 24 hours as shown on Figure 1.

Figure 1: Observed Precipitation

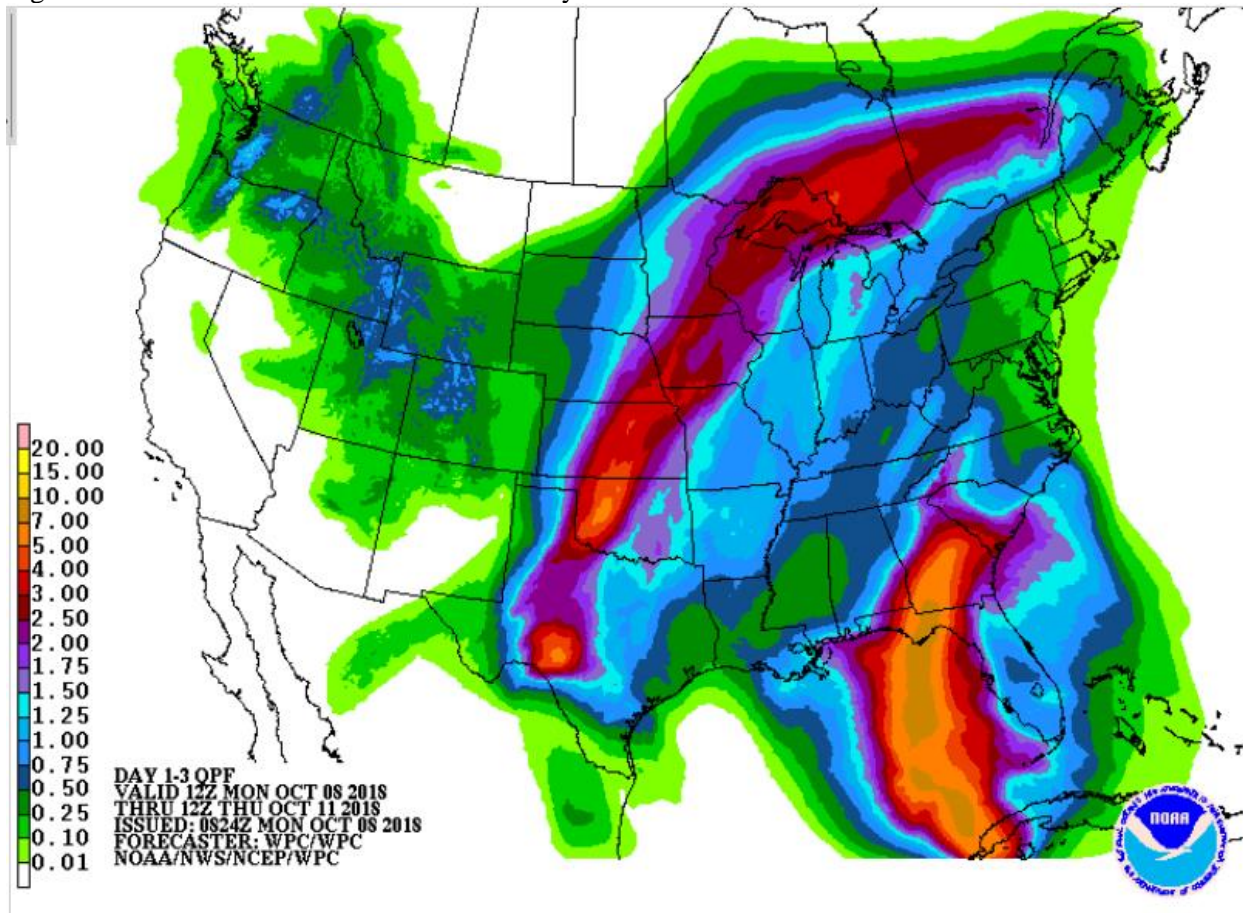


## Forecast

As shown in Figure 2, the National Weather Service (NWS) is predicting  $\frac{3}{4}$ " to  $1\frac{1}{2}$ " of rainfall for the next 3 days in the Fox River watershed. Little rain is expected for the next 24 hours. Predicted rainfall amounts for October 10 are  $\frac{1}{4}$ " to  $\frac{3}{4}$ " with more rainfall in Wisconsin. Predicted rainfall amounts for October 11 are  $\frac{1}{2}$ " over the watershed. Little rain is expected for the rest of the week after October 11.

The NWS is predicting the Fox River near New Munster will remain high with a second crest stage of 13.5 feet on October 10, with an estimated peak flow of 3500 cfs. The NWS is forecasting the Fox River at Algonquin Tailwater will crest at a stage of 10.7' and flow of 4900 cfs on October 11. These forecasts included forecasted rainfall for the next 48 hours.

Figure 2: Forecasted Rainfall for the Next 5 Days



## System Conditions and Operations

The sluice gates and the hinged crest gate at Stratton Dam are completely opened. The Stratton Dam is passing as much flow as possible. Hinged crest gate at Algonquin Dam is fully opened.

Estimates of the peak stages are 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.

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Office of Water Resources

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