



Illinois Department of Natural Resources

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JB Pritzker, Governor

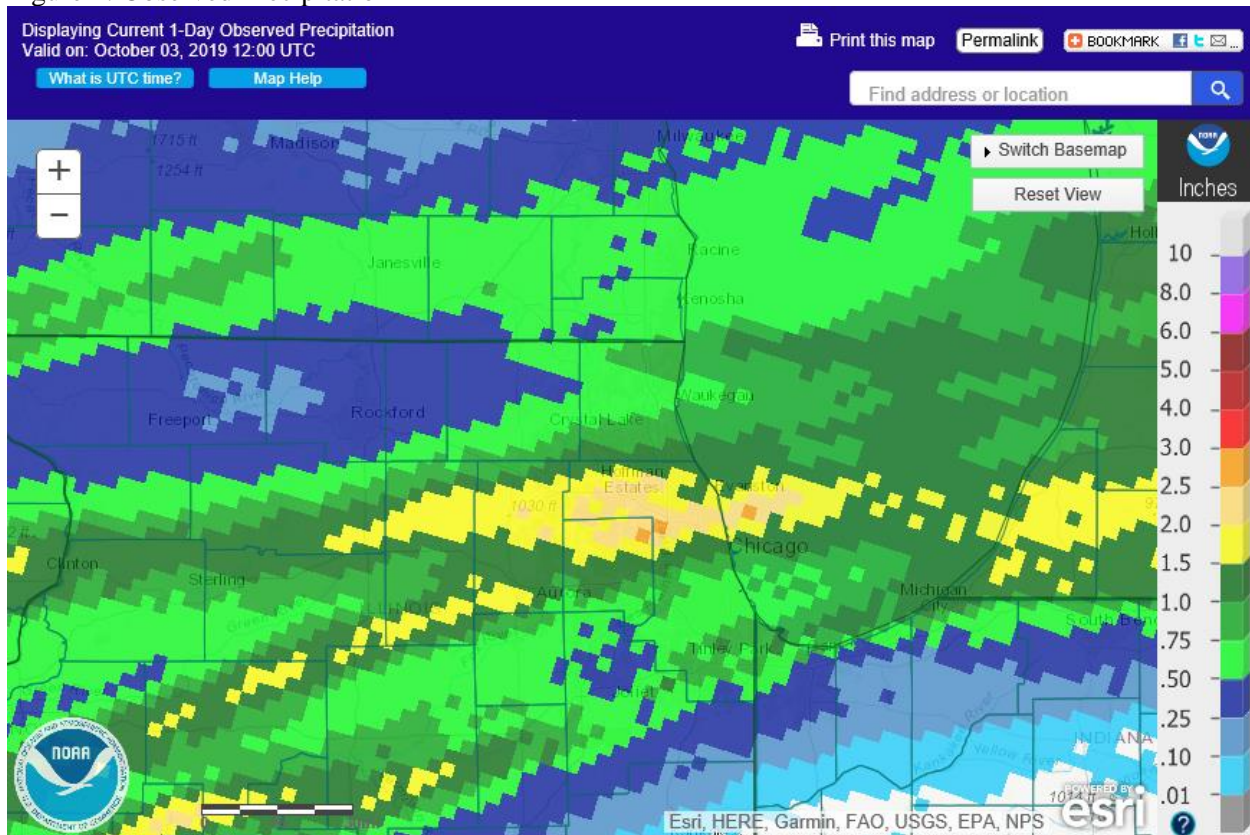
Colleen Callahan, Director

Fox River Status Update October 3, 2019

Current Conditions

Fox River watershed received additional precipitation in the amounts ranging from ¼” to 1” within the last 24 hours as shown on Figure 1. The high precipitation events during the past 48 hours have resulted in sudden rise in inflows. Measured inflows on the Fox River near New Munster, WI are 4030 cfs and rising; flows on Nippersink Creek near Spring Grove are 1360 cfs and rising. The Fox Lake stage is 5.4 ft and the Stratton Dam Tailwater stage is 4.9 ft. The Fox River at the Algonquin Dam Tailwater stage is 9.9 ft.

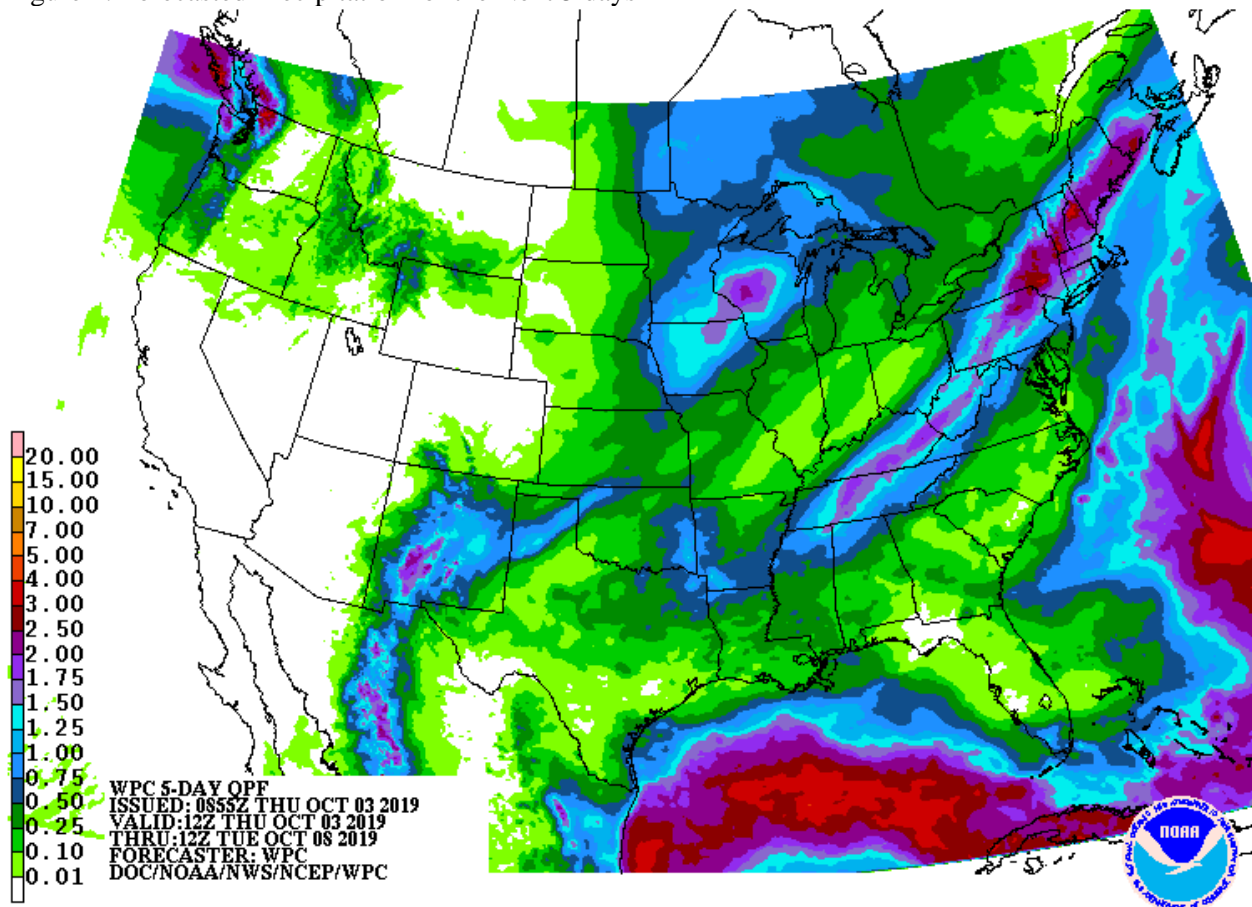
Figure 1: Observed Precipitation



Forecast

The National Weather Service (NWS) is predicting 0.1” to ½” of precipitation for the next 5 days in the Fox River watershed as shown on Figure 2. The NWS is forecasting that the Fox River near New Munster, WI will crest at a stage of 13.9 ft on October 5th. The NWS is forecasting that the Fox River at Algonquin Tailwater will crest at a stage of 10.9 ft on October 7th with a flow of 5140 cfs.

Figure 2: Forecasted Precipitation for the Next 5 days



System Conditions and Operations

All gates at Stratton Dam and Algonquin Dam are opened to pass as much flow as possible. Today’s inflow forecasts from the NWS has increased 1,000 cfs from what was predicted yesterday. As a result, our estimates indicate that Fox Lake and Stratton Dam Tailwater may crest near 6.2 ft on Sunday/Monday.

Munib Ahmad, P.E.

Office of Water Resources

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