



Fox River Status Update
July 16th, 2024

**This Update is based on the current forecast and will be adjusted based on future forecasts and rainfall.*

Summary

This update is being released due to changes in the forecast. There is currently less than 0.1” of precipitation forecasted for the next 7 Days (Figure 4). Based on the current forecast, inflows will peak at over 4100 cfs (Figure 1). Fox Lake is forecasted to rise to 5.2’, (Figure 2). The Lower River should expect to reach flood stage, peaking near 4.3’ on Friday, (Figure 3).

Current Conditions and NWS Forecasts

Figure 1: National Weather Service Forecasted Inflows

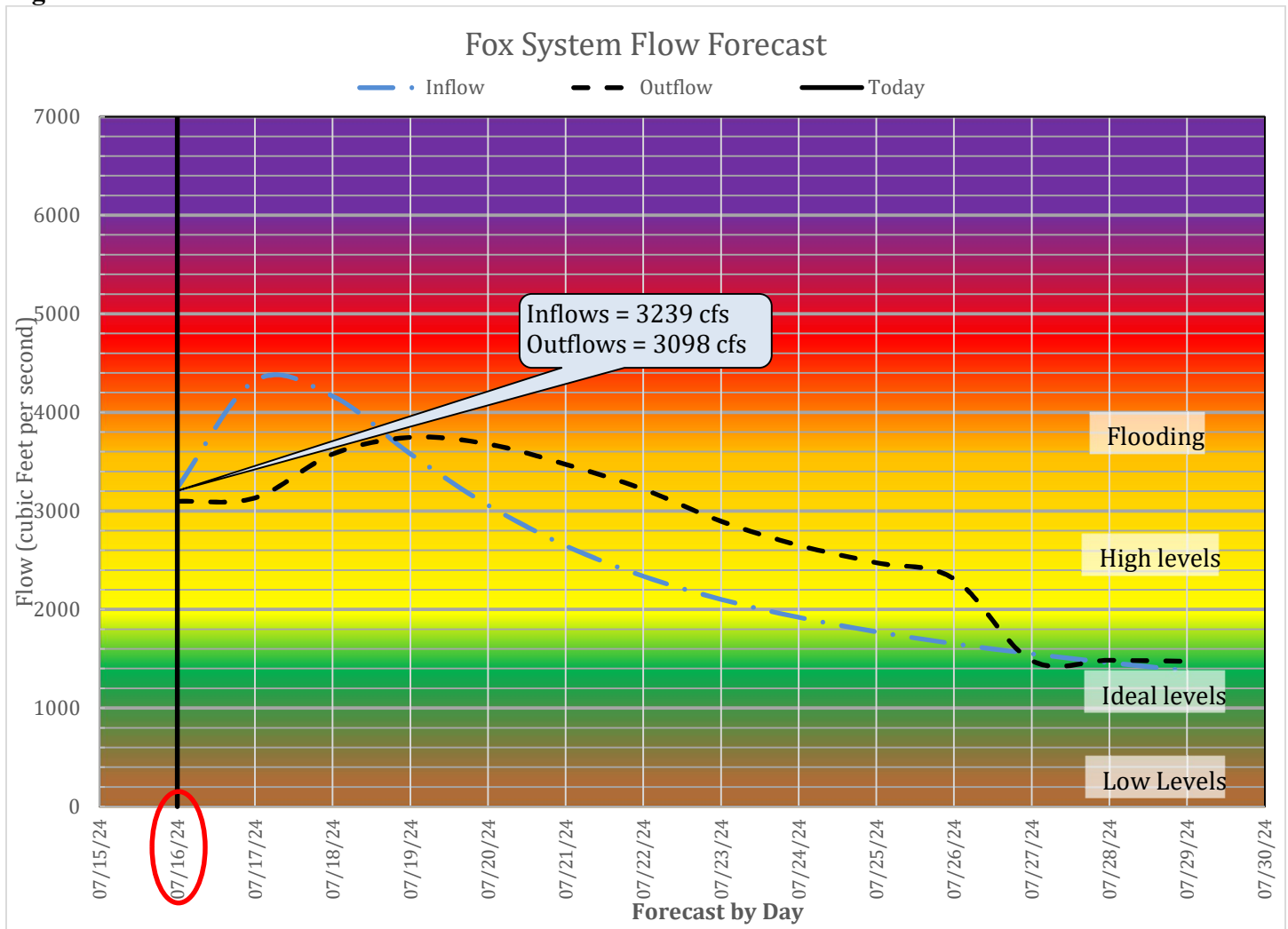


Figure 2: Estimated Upstream Gage Heights

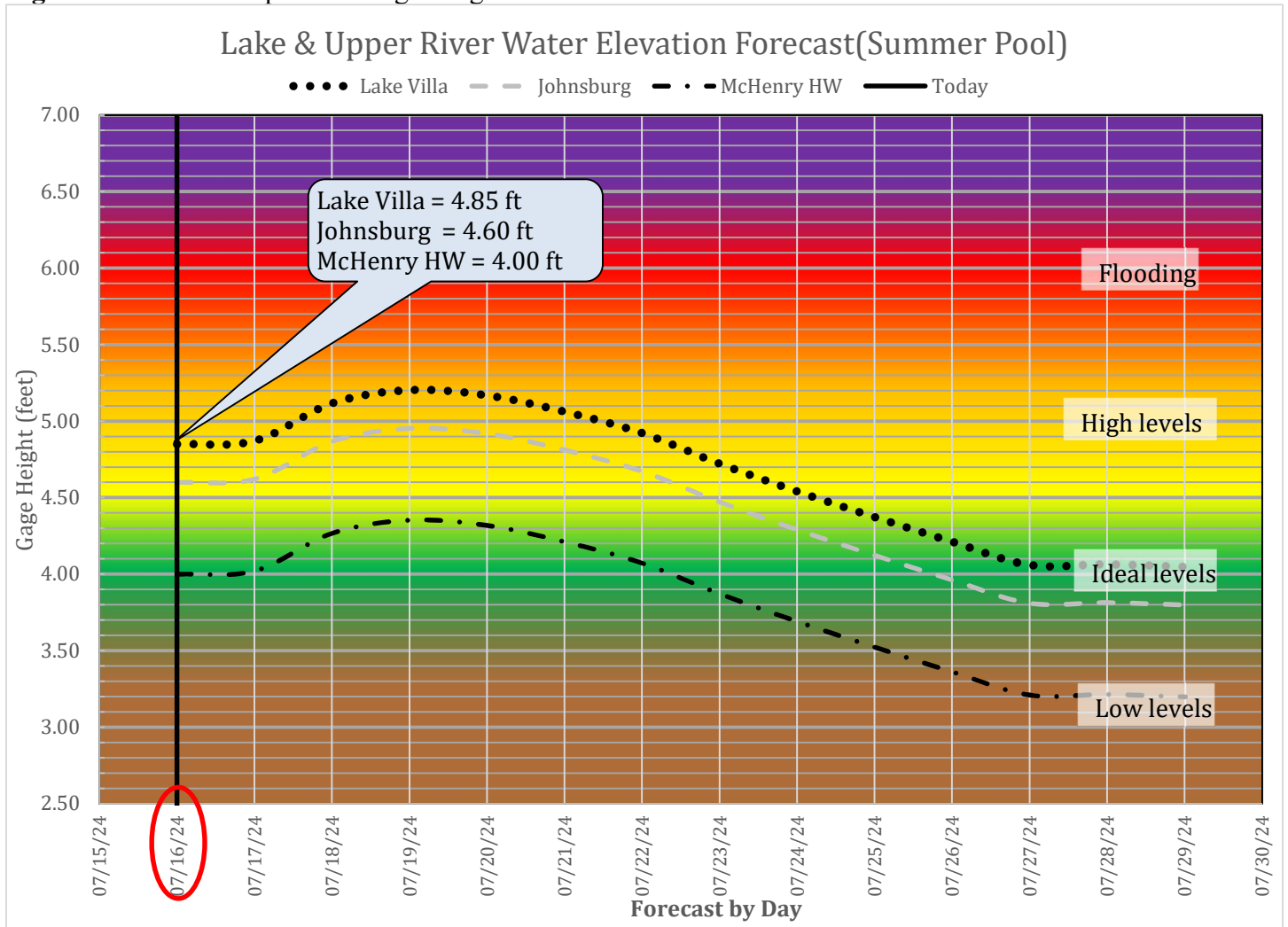
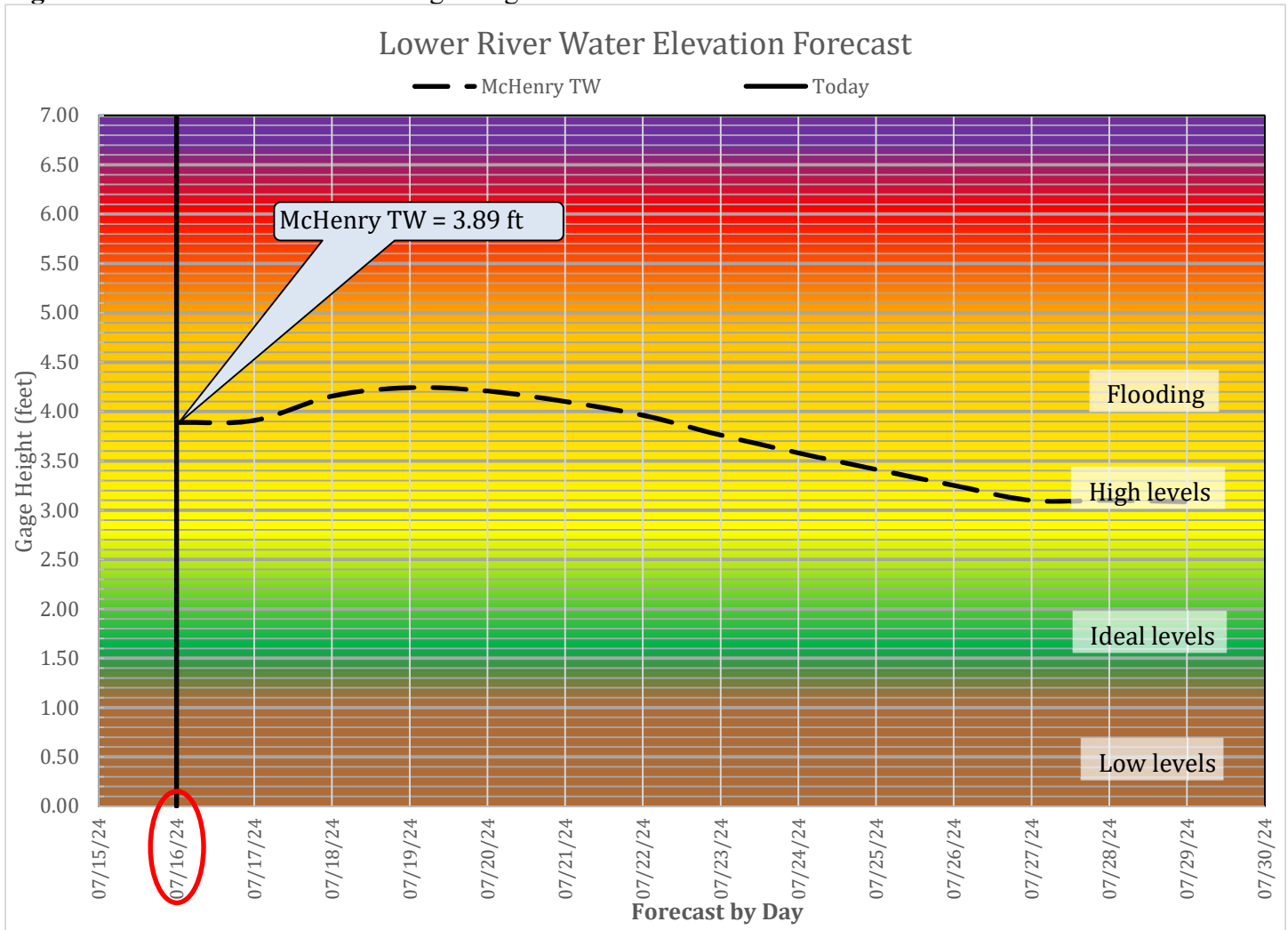


Figure 3: Estimated Downstream Gage Height



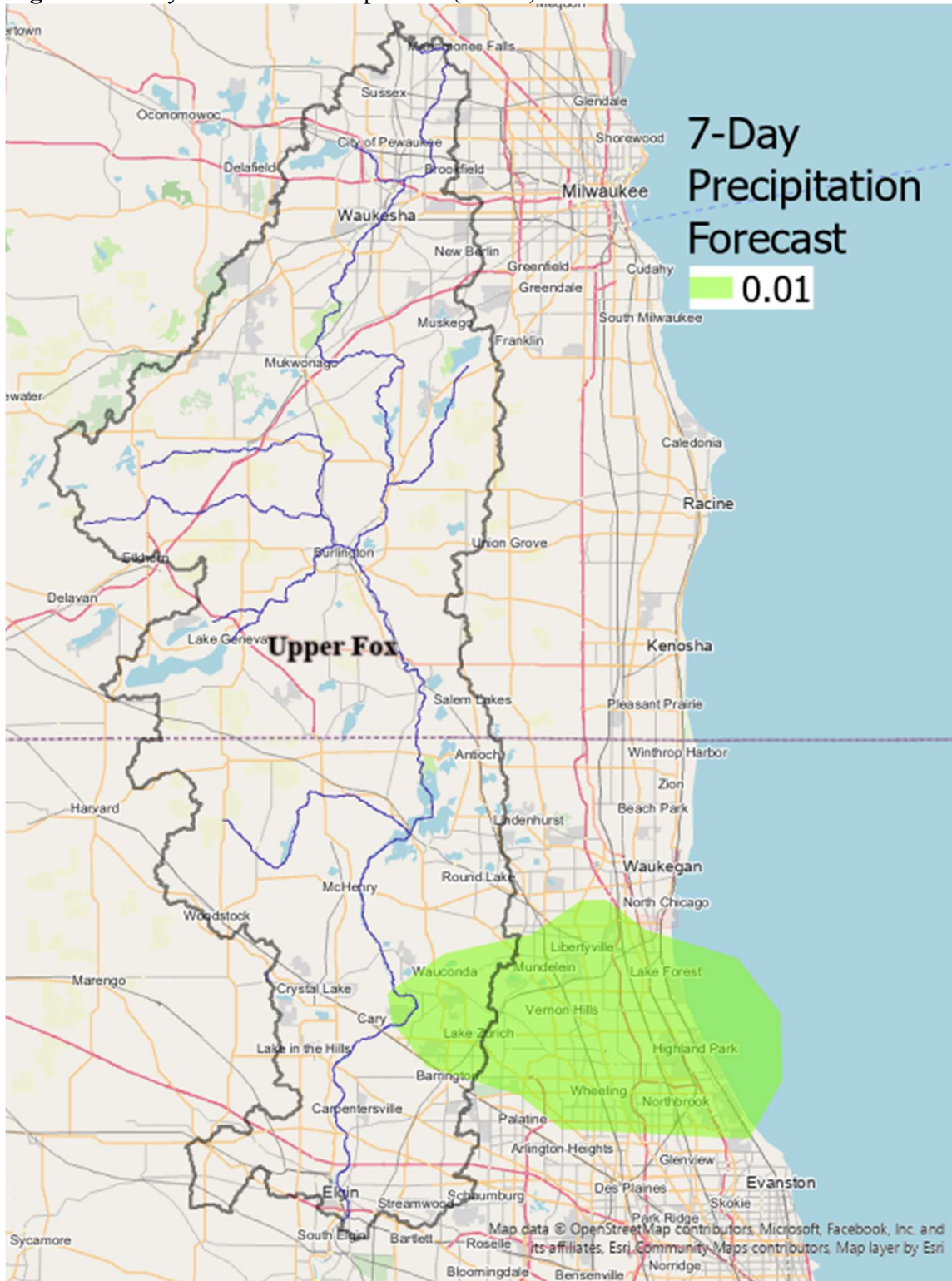
Current Conditions

Measured flow on the Fox River near New Munster, WI is 2060 cfs and Nippersink Creek near Spring Grove is at 911 cfs. The total system inflow is 3239 cfs. The Fox Lake stage is 4.85 ft; the Stratton Dam Tailwater stage is 3.89 ft. The Fox River at the Algonquin Dam headwater stage is 1.73 ft.

Forecast

Inflows are forecasted to peak at over 4100 cfs on Wednesday, as shown in **Figure 1**. Fox Lake is forecasted to crest on Friday near 5.20', as shown above in **Figure 2**. The Lower River will be reaching Minor Flooding, **Figure 3**. The 7-Day Precipitation forecast is showing less than 0.1" of rain for the southern portion of the watershed, **Figure 4**.

Figure 4: 7 Day Forecasted Precipitation (inches) for the Fox River Watershed



System Outlook

Chain O' Lakes Outlook

Water levels are forecasted to peak on Friday at approximately 5.20' on the Fox Lake gage.

McHenry Pool Area Outlook

The Upper River is currently forecasted to peak on Friday as well, with the Johnsborg gage reaching near 5.0'. The pool will remain lower than upstream but will high on the McHenry gage.

Lower River Outlook

The lower river will be at Minor Flood stage with the water level being near 4.3'.

IDNR-OWR will continue to monitor conditions and make changes as necessary pending future forecasts and conditions.

Thank you,

Aaron Rotherham
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