



Fox River Status Update
April 2nd, 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 the updated inflows forecasted from the National Weather Service. Inflows are now forecasted to peak on Friday at over 6300 cubic feet per second (Figure 1). The Fox Lake gage is predicted to crest at approximately 5.40' (Figure 2); the Lower River is forecasted to peak at approximately 5.20' for the McHenry Tailwater gage (Figure 3), both on Monday, April 8th. It is currently anticipated that all areas of the system will be at or very near Minor Flood Stage. Attempts will be made to allow for as much time to prepare as possible for those impacted.

Current Conditions and NWS Forecasts

Figure 1: NWS Forecasted Inflows

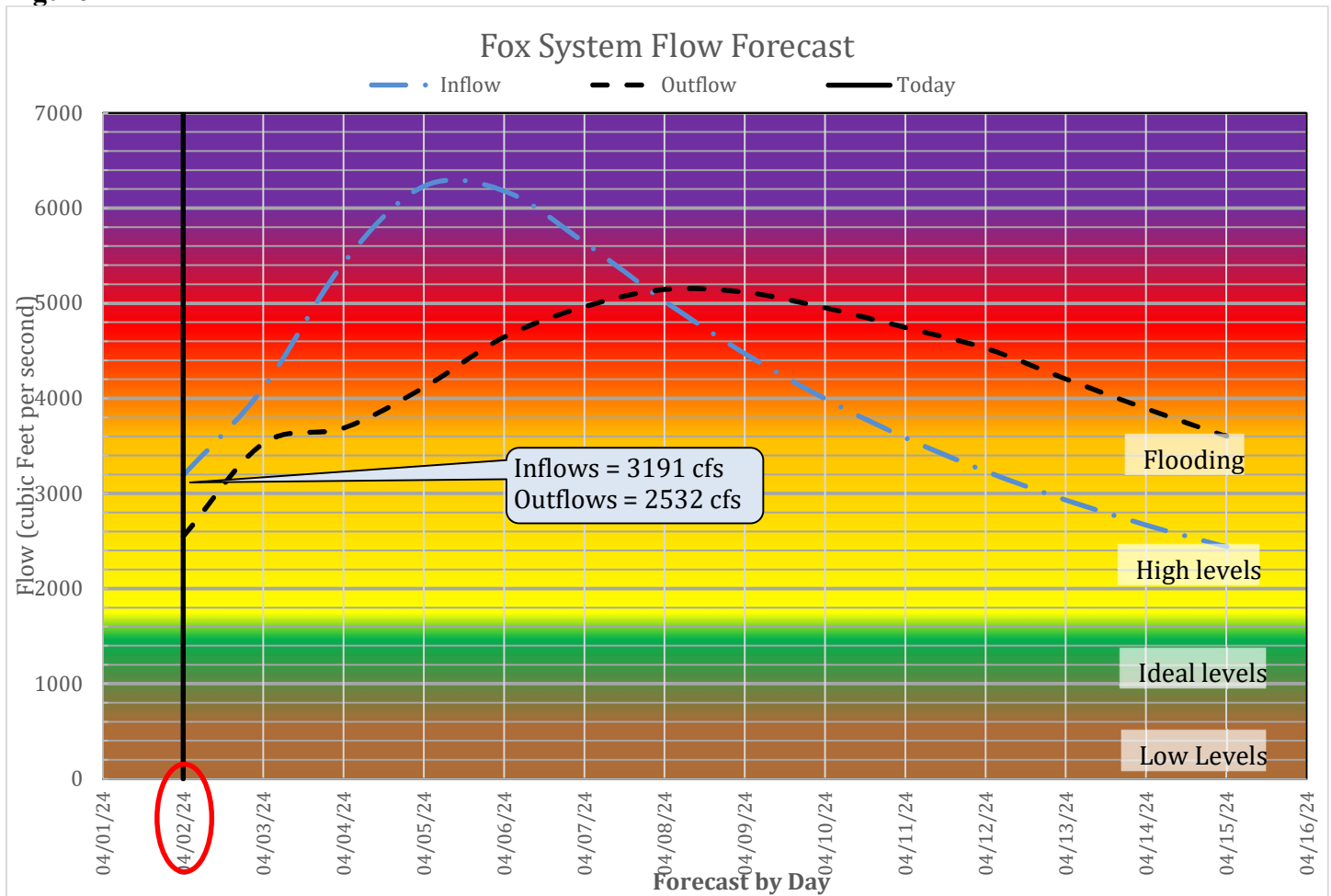


Figure 2: Estimated Upstream Gage Heights

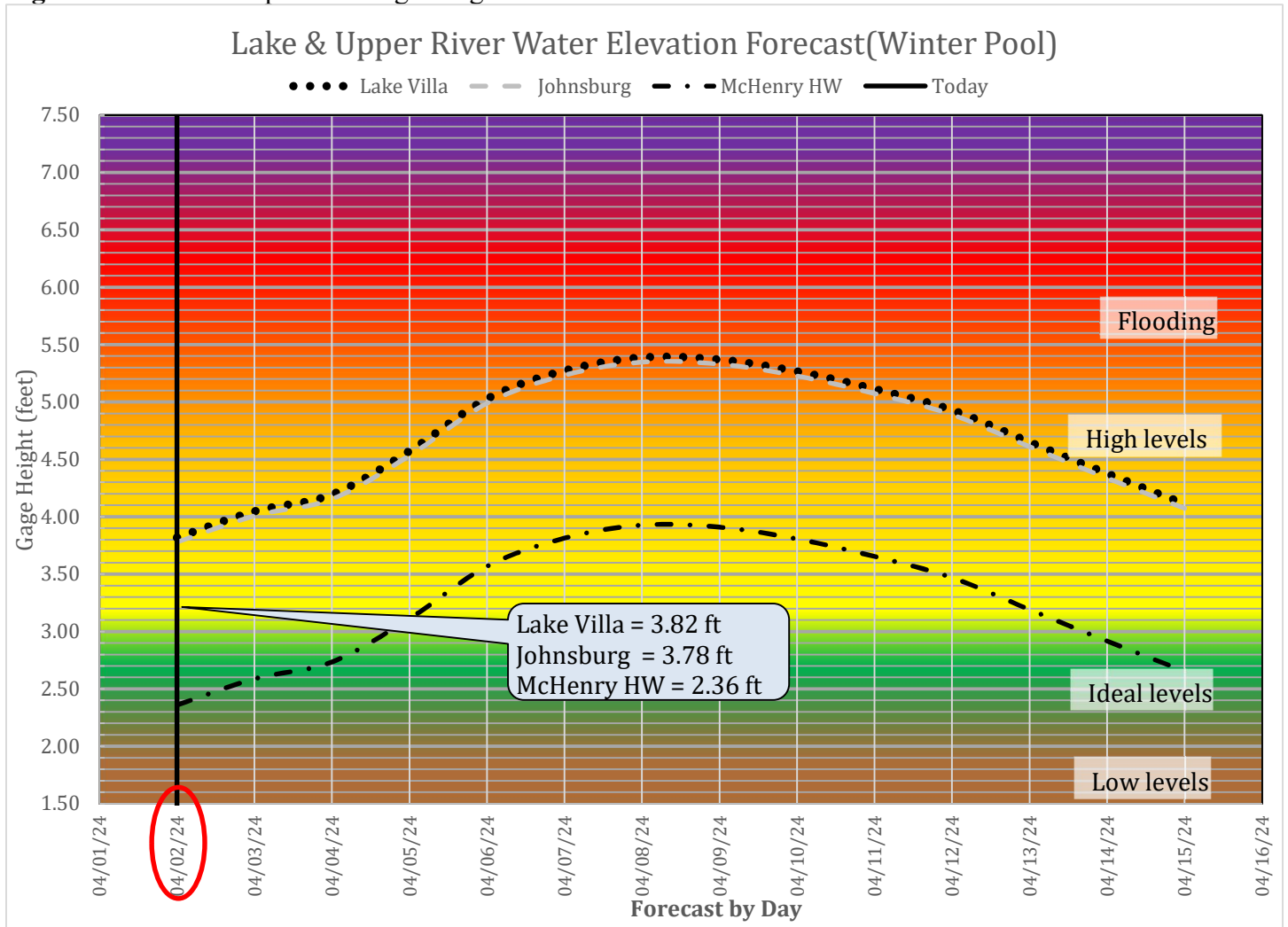
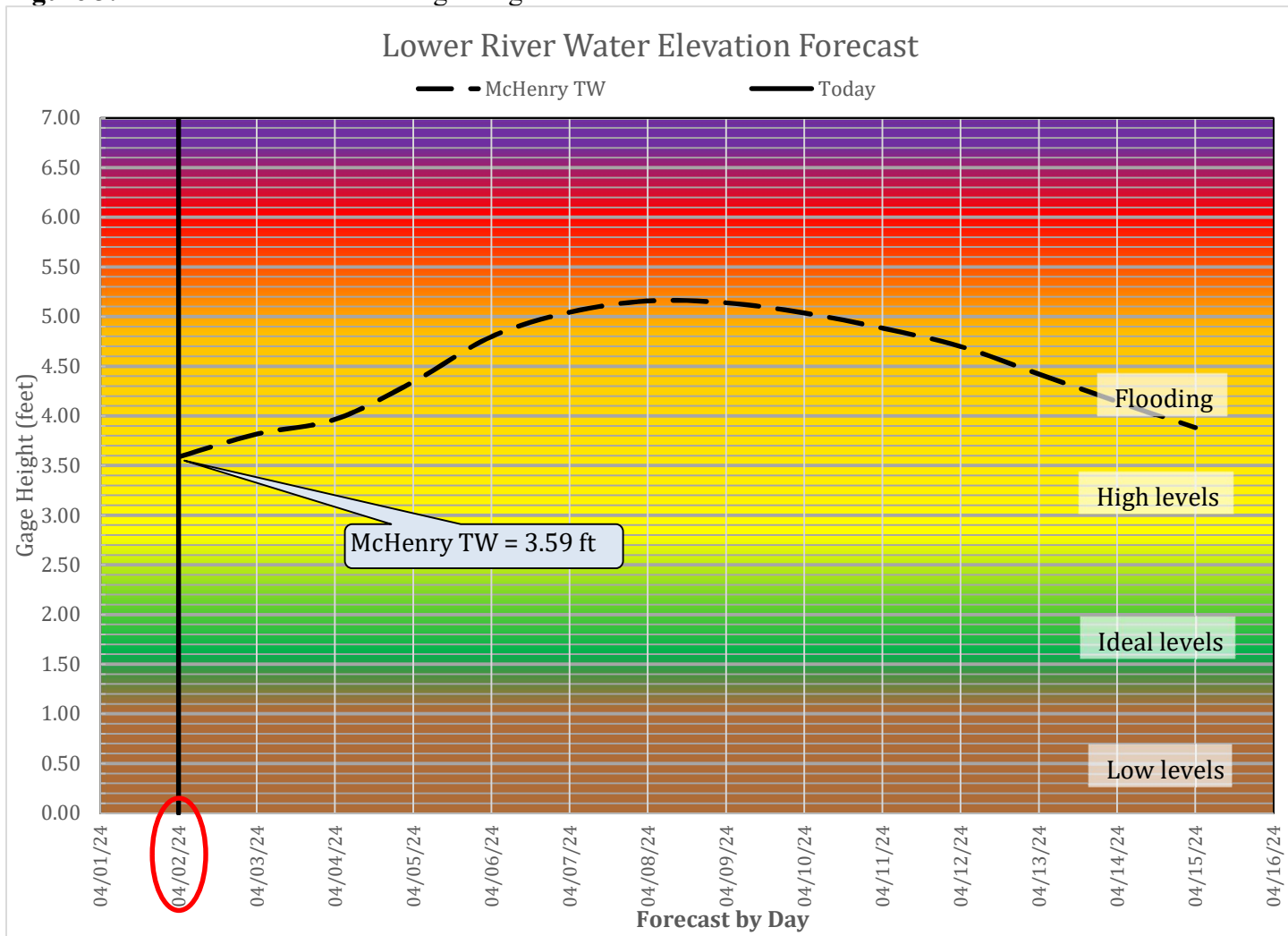


Figure 3: Estimated Downstream Gage Height



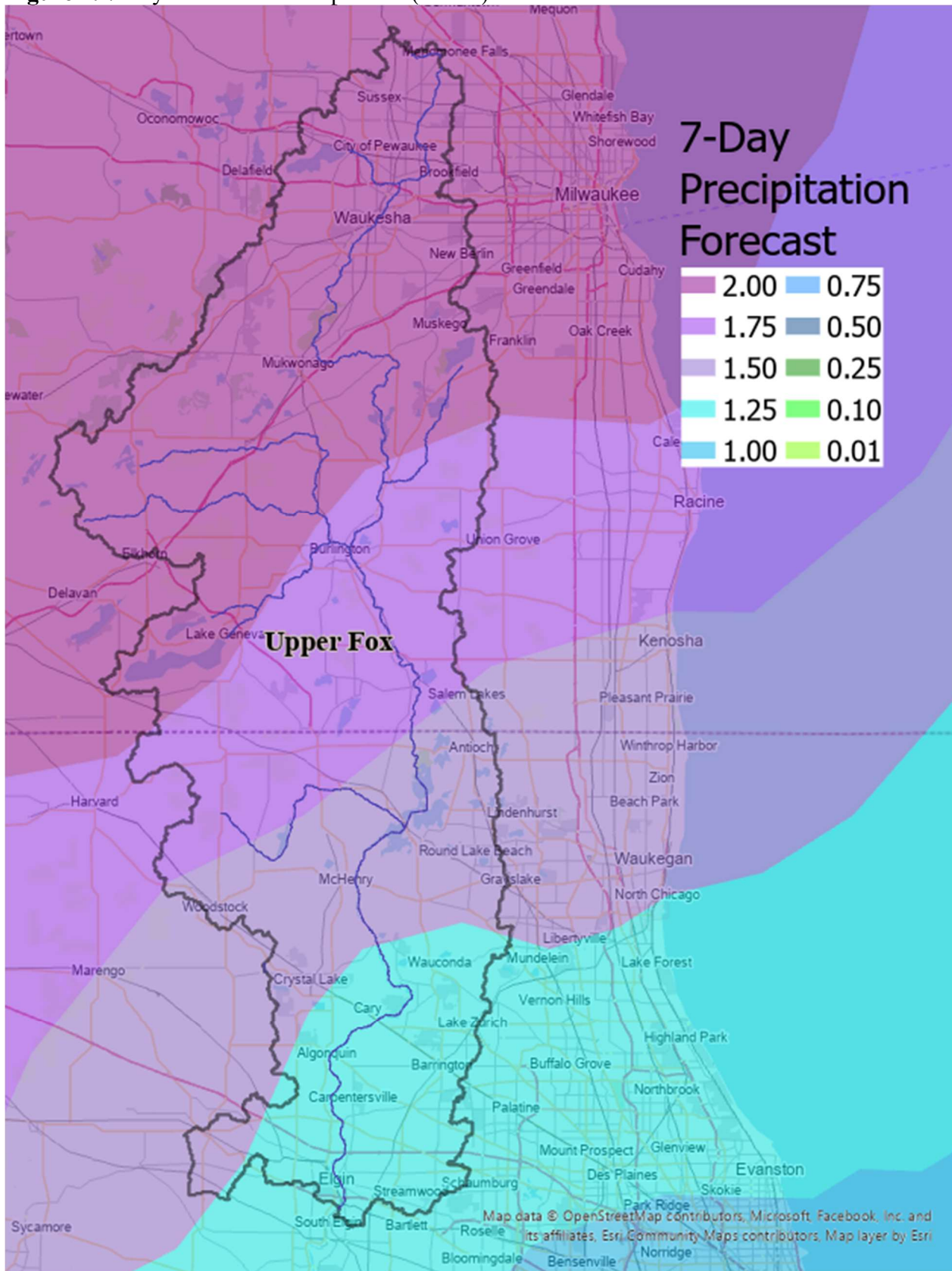
Current Conditions

Measured flow on the Fox River near New Munster, WI is 2230 cfs and Nippersink Creek near Spring Grove is at 545 cfs. The total system inflow is 3193 cfs. The Fox Lake stage is 3.82 ft; the Stratton Dam Tailwater stage is 3.59 ft. The Fox River at the Algonquin Dam headwater stage is 1.67 ft.

Forecast

Inflows are forecasted to peak Friday night at over 6300 cfs, as shown in **Figure 1**. Fox Lake and all areas upstream of the dam are forecasted to peak Monday, as shown above in **Figure 2**. The Lower River should anticipate reaching Minor Flood Stage. The 7-Day Precipitation forecast is showing between 1.25”-2.0” rain for 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 Monday 04/08/24 at 5.39' on the Fox Lake gage.

McHenry Pool Area Outlook

Water levels are forecasted to be lower than the lakes while as much water as possible is allowed to exit the system.

Lower River Outlook

Based on the current forecast, the Lower River will reach Minor Flood Stage on Friday 04/05/24.

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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