



Fox River Status Update  
May 9<sup>th</sup>, 2024

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

### Summary

There is currently 0.25”-0.5” of precipitation forecasted for the next 7 Days (Figure 4). Based on the current forecast, inflows will peak tomorrow and then begin slowly dropping (Figure 1). The lakes are predicted to peak at approximately 4.8’ on Sunday at the Fox Lake gage (Figure 2) and the Lower River is expected to peak just below 3.5’ on Monday at the McHenry Tailwater gage (Figure 3).

### Current Conditions and NWS Forecasts

Figure 1: NWS Forecasted Inflows

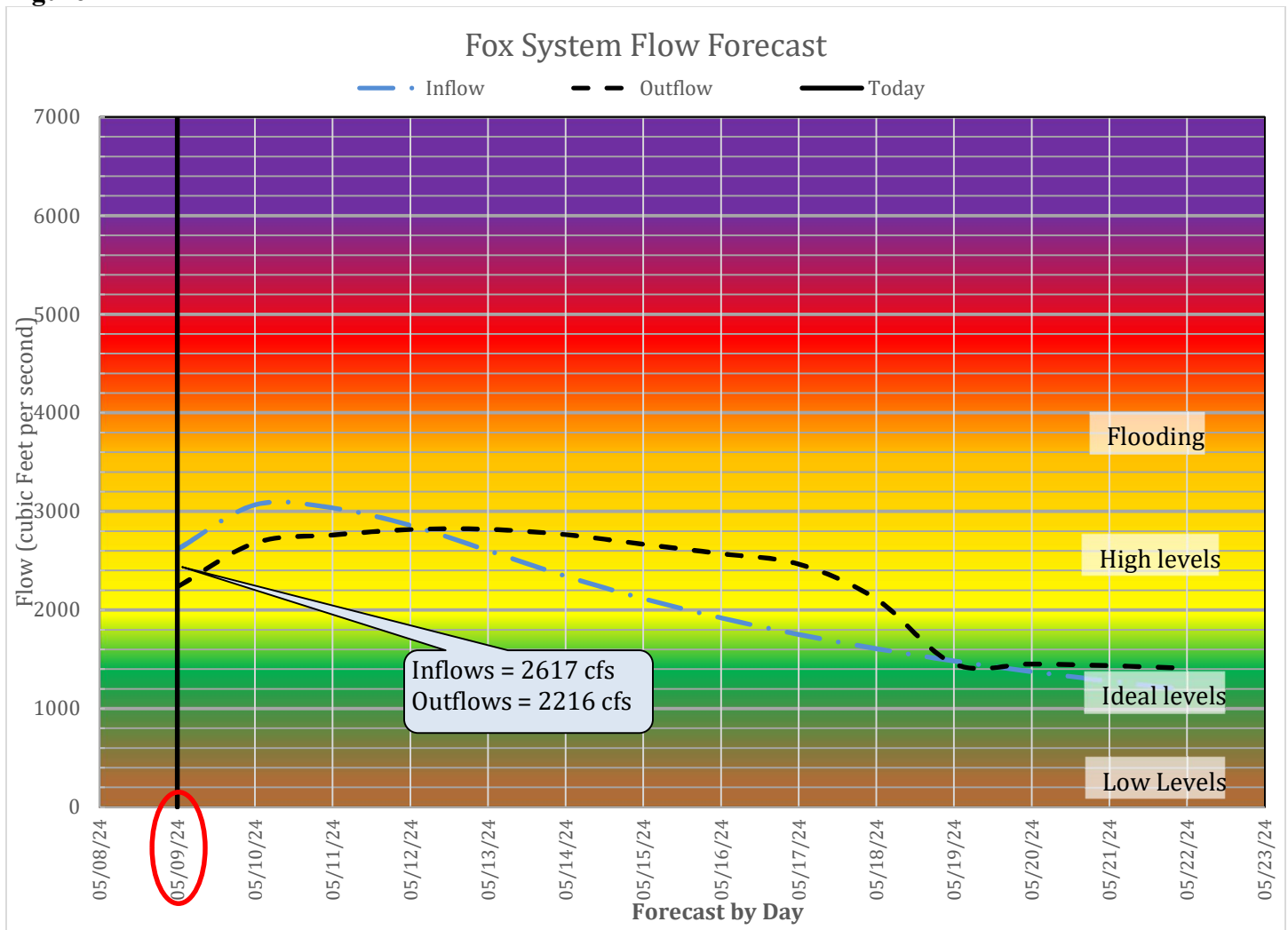
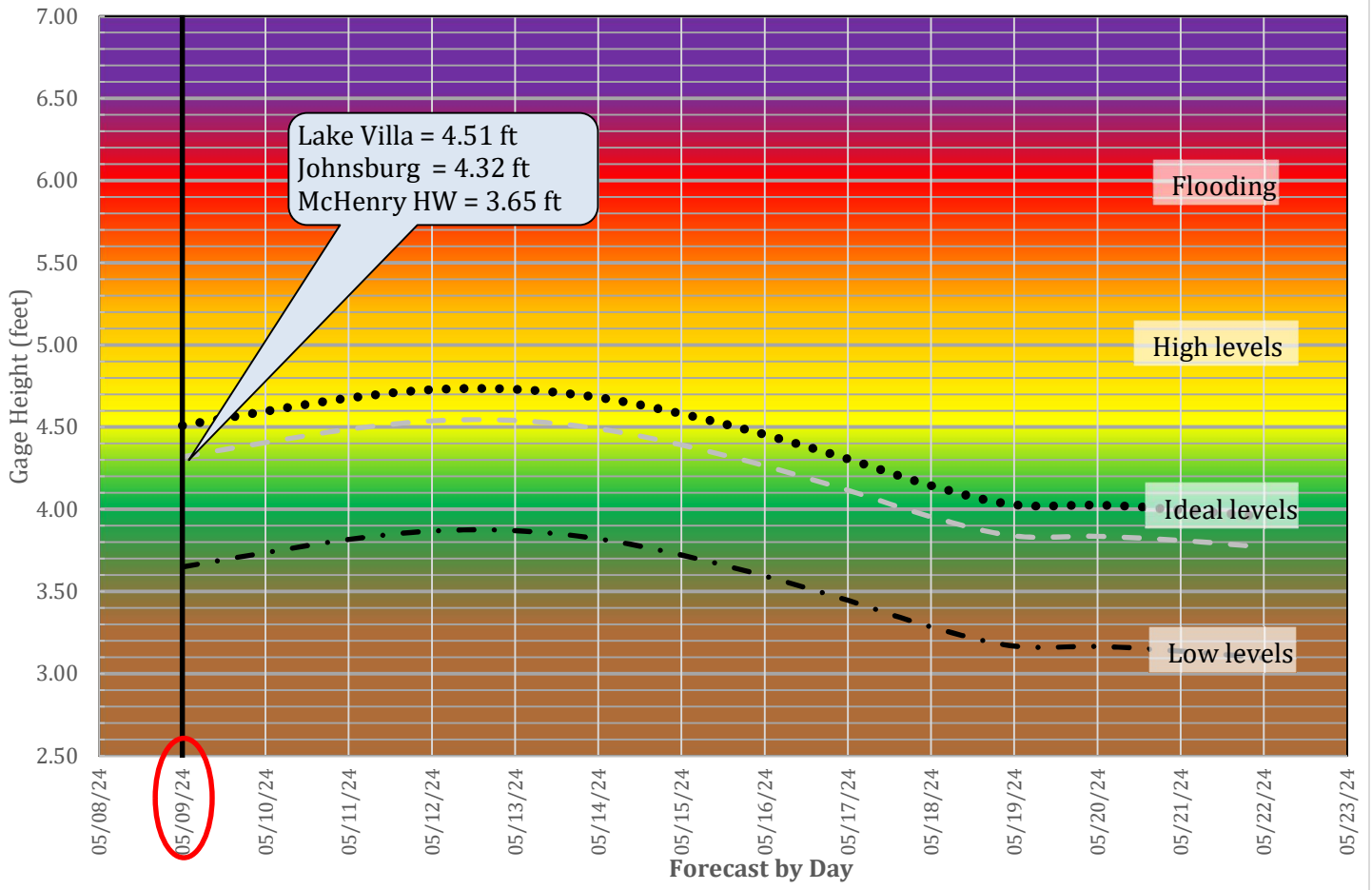


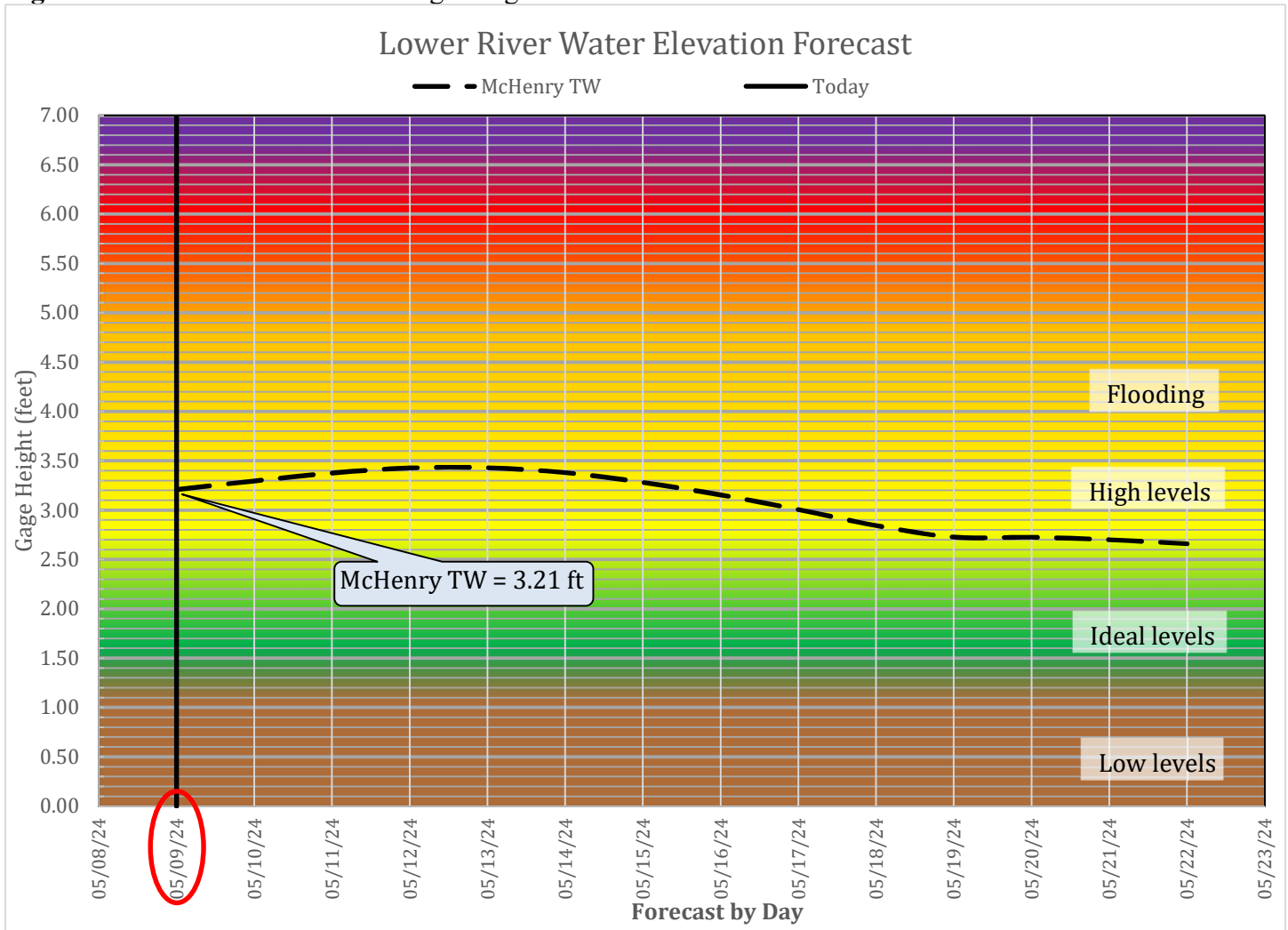
Figure 2: Estimated Upstream Gage Heights

# Lake & Upper River Water Elevation Forecast(Summer Pool)

●●● Lake Villa    - - - Johnsburg    - · - McHenry HW    — Today



**Figure 3: Estimated Downstream Gage Height**



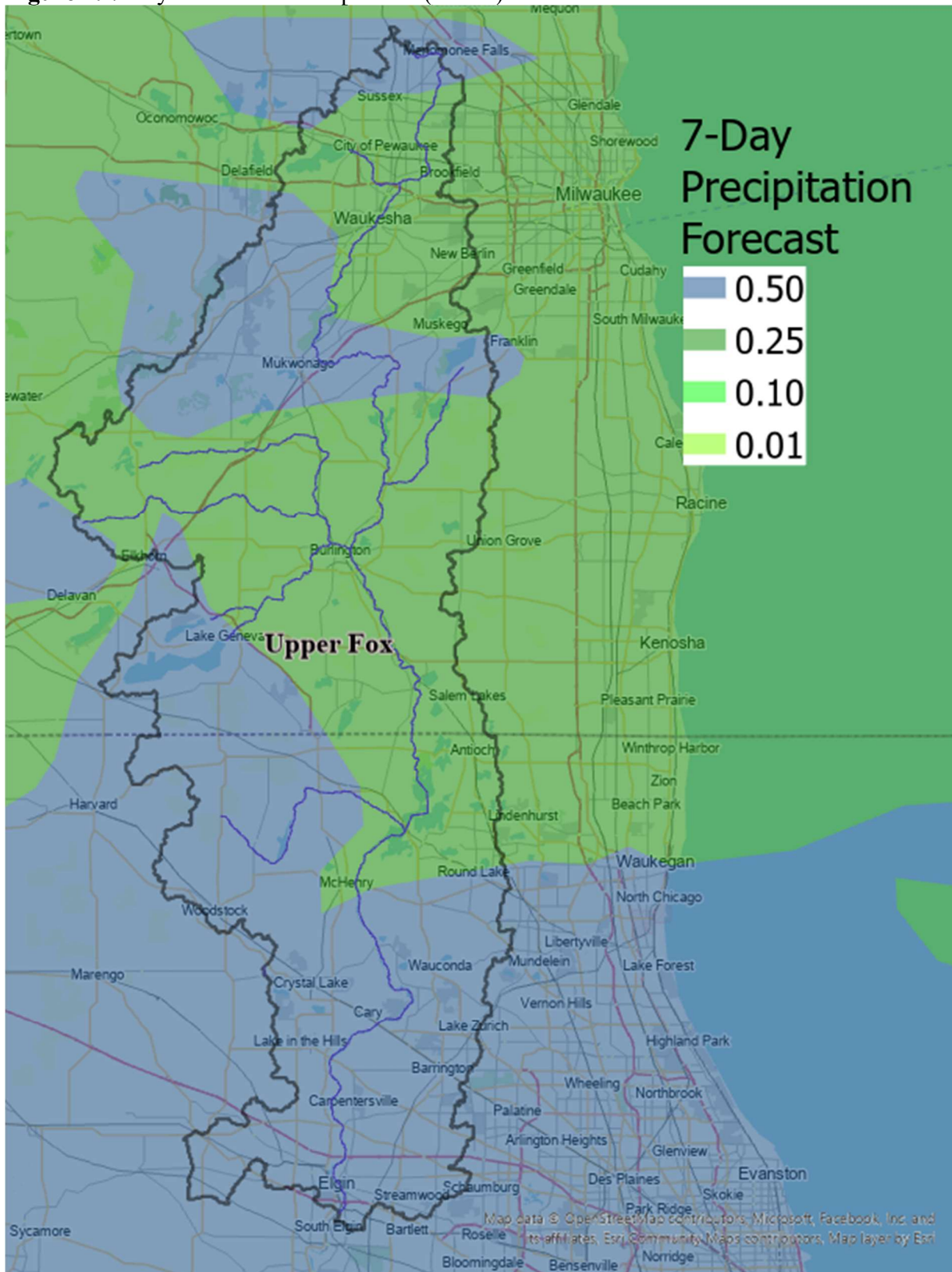
**Current Conditions**

Measured flow on the Fox River near New Munster, WI is 1980 cfs and Nippersink Creek near Spring Grove is at 681 cfs. The total system inflow is 2617 cfs. The Fox Lake stage is 4.51 ft; the Stratton Dam Tailwater stage is 3.21 ft. The Fox River at the Algonquin Dam headwater stage is 1.49 ft.

**Forecast**

Inflows are forecasted to peak at over 3000 cfs tomorrow evening, as shown in **Figure 1**. Fox Lake is forecasted to peak Sunday at 4.8’ and areas upstream of the dam will be about 1.0’ lower than the lakes while the water is moving through the system, as shown above in **Figure 2**. The Lower River will approach 3.5’ on Monday. The 7-Day Precipitation forecast is showing 0.25”-0.5” 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 crest at 4.8' on Sunday evening. Levels should begin dropping Monday evening.

### McHenry Pool Area Outlook

Water levels will be approximately 1.0' lower than the lakes for the duration of the event. As inflows drop and lake levels return to normal, pool levels will begin to increase.

### Lower River Outlook

Water levels are forecasted to reach near 3.5' on the tailwater gage on Monday. It is currently predicted to drop below 3.0' on 05/18.

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

Thank you,

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