



Fox River Status Update  
April 10<sup>th</sup>, 2024

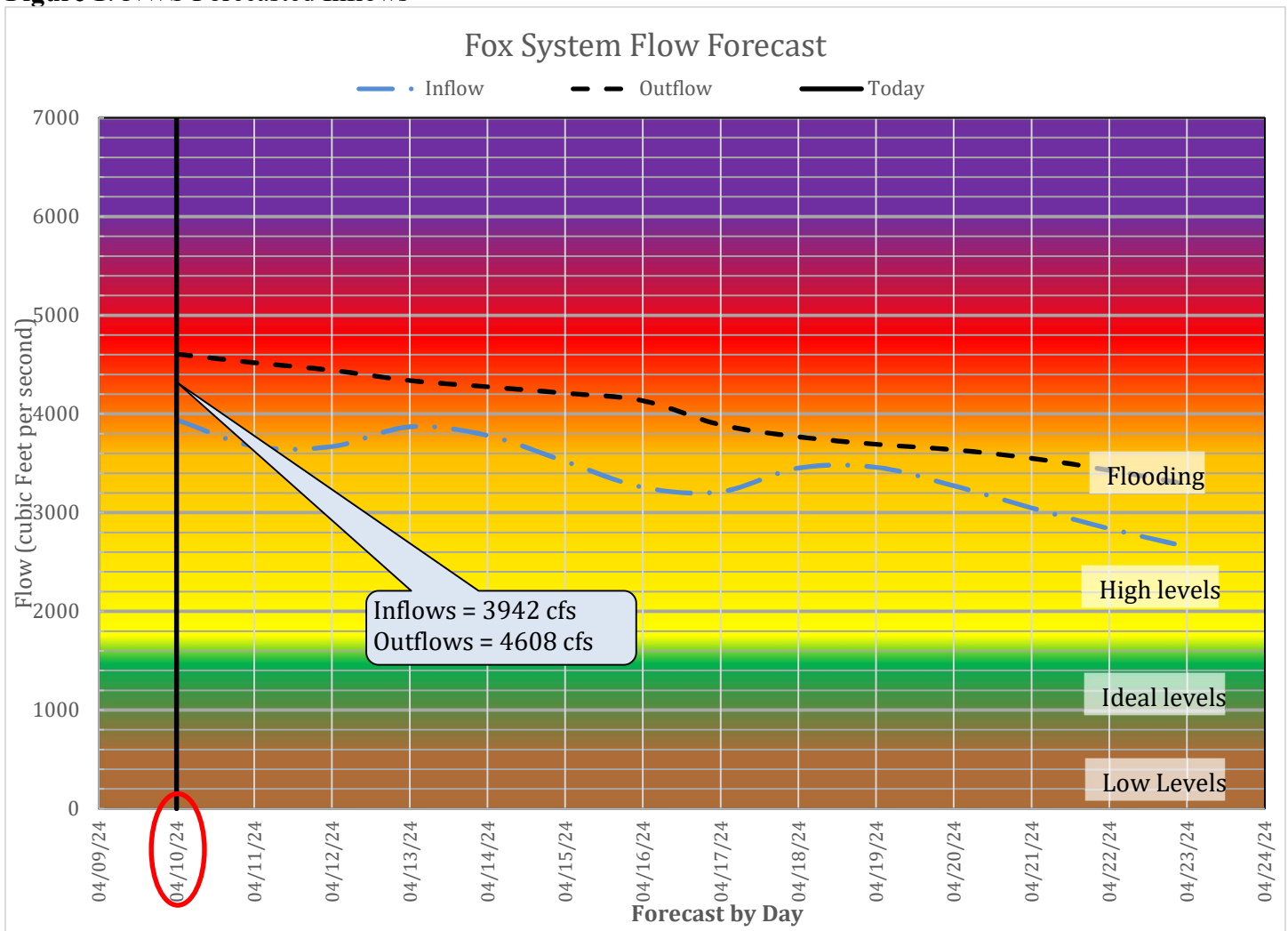
*\*This Update is based on the current forecast and will be adjusted based on future forecasts and rainfall.*

### Summary

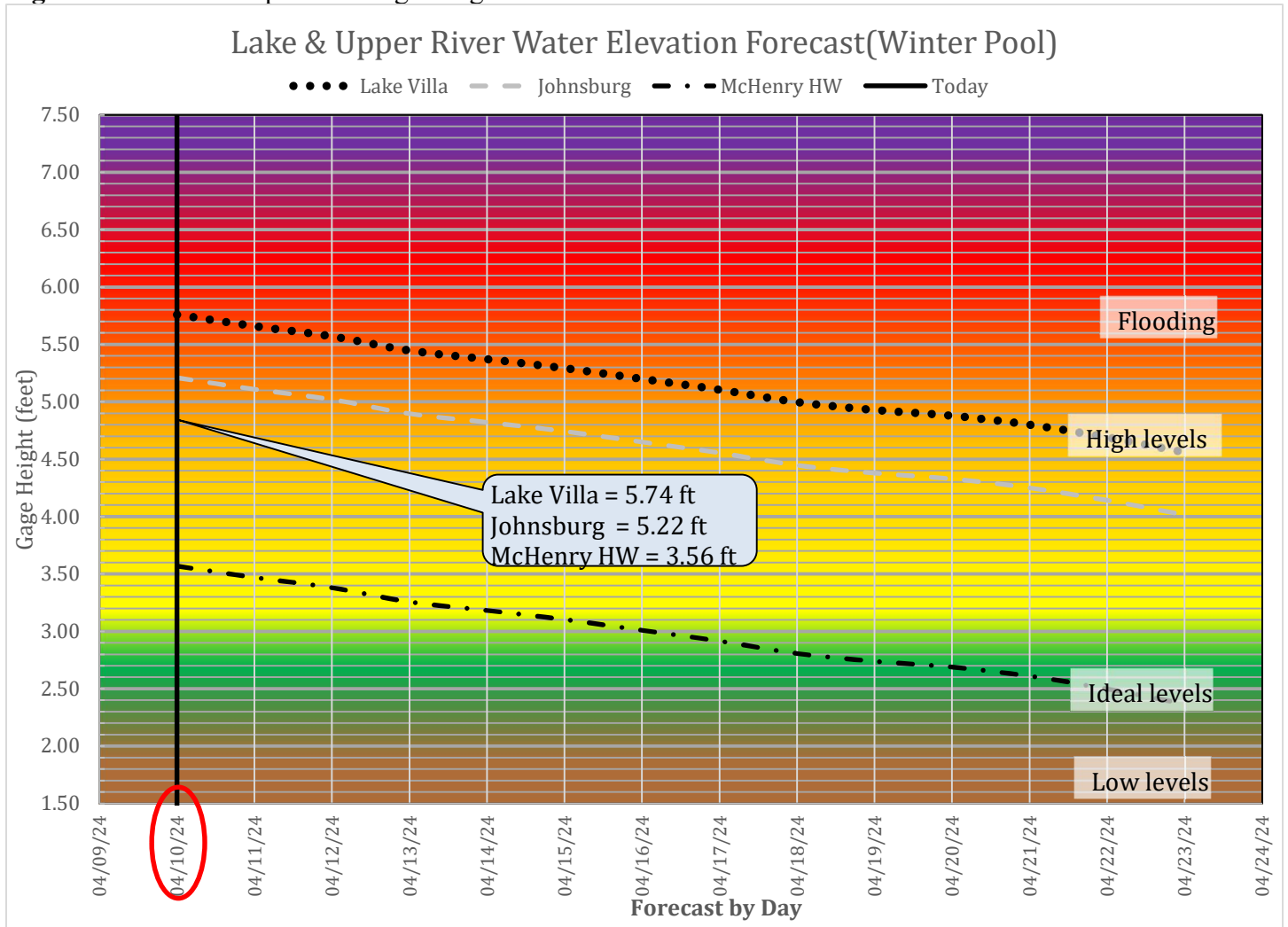
The current forecast finally has outflows exceeding inflows, despite fluctuating over the next 7 days due to the anticipated rainfall (Figure 1). Currently the watershed is forecasted to receive between 1.0”-1.25” of rain over the next 7 days (Figure 4). Water levels are predicted to continue dropping slowly (Figures 2 & 3). Water levels are expected to remain higher than normal for at least the next two weeks depending on future precipitation.

### Current Conditions and NWS Forecasts

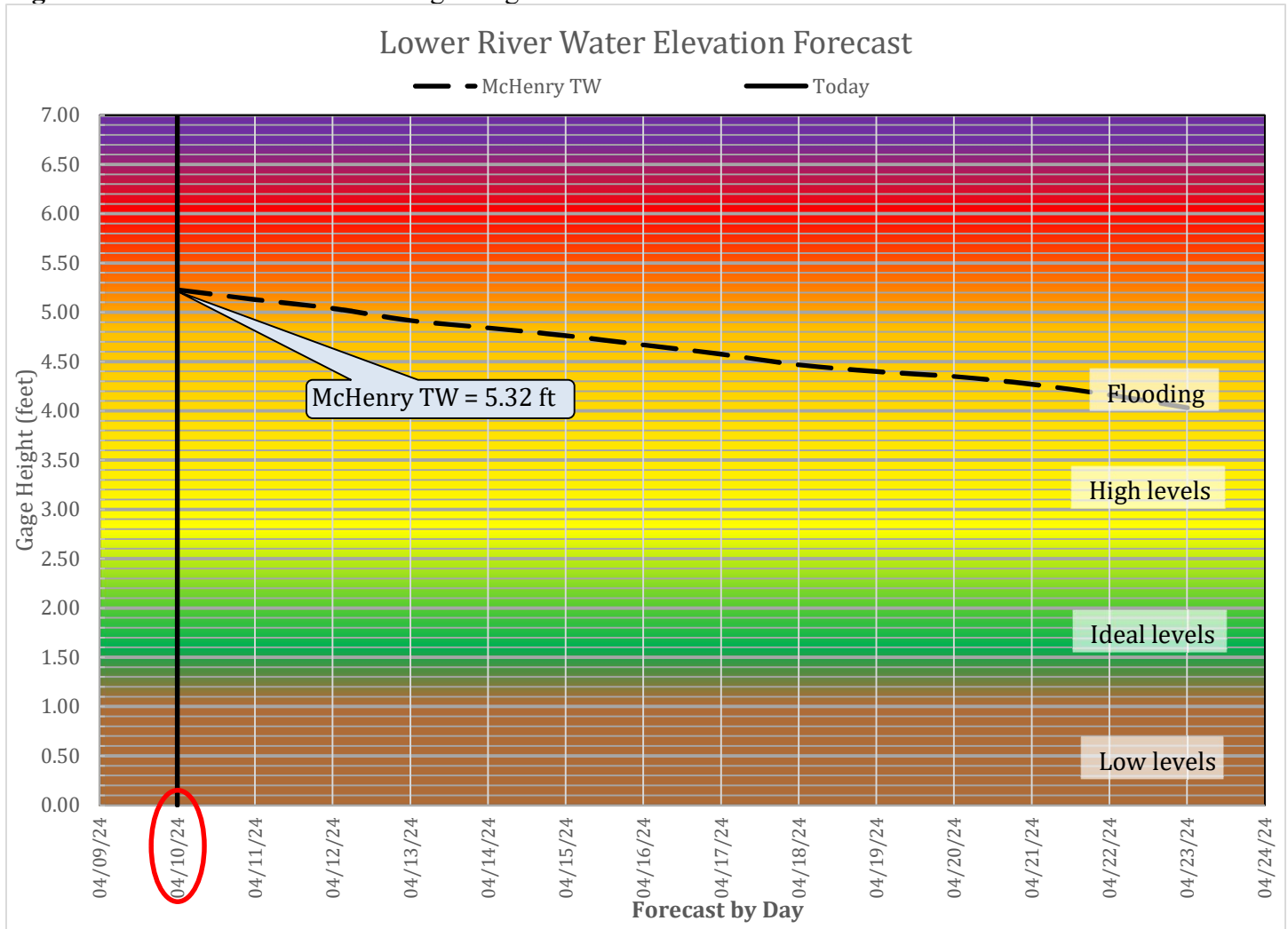
Figure 1: NWS Forecasted Inflows



**Figure 2: Estimated Upstream Gage Heights**



**Figure 3: Estimated Downstream Gage Height**



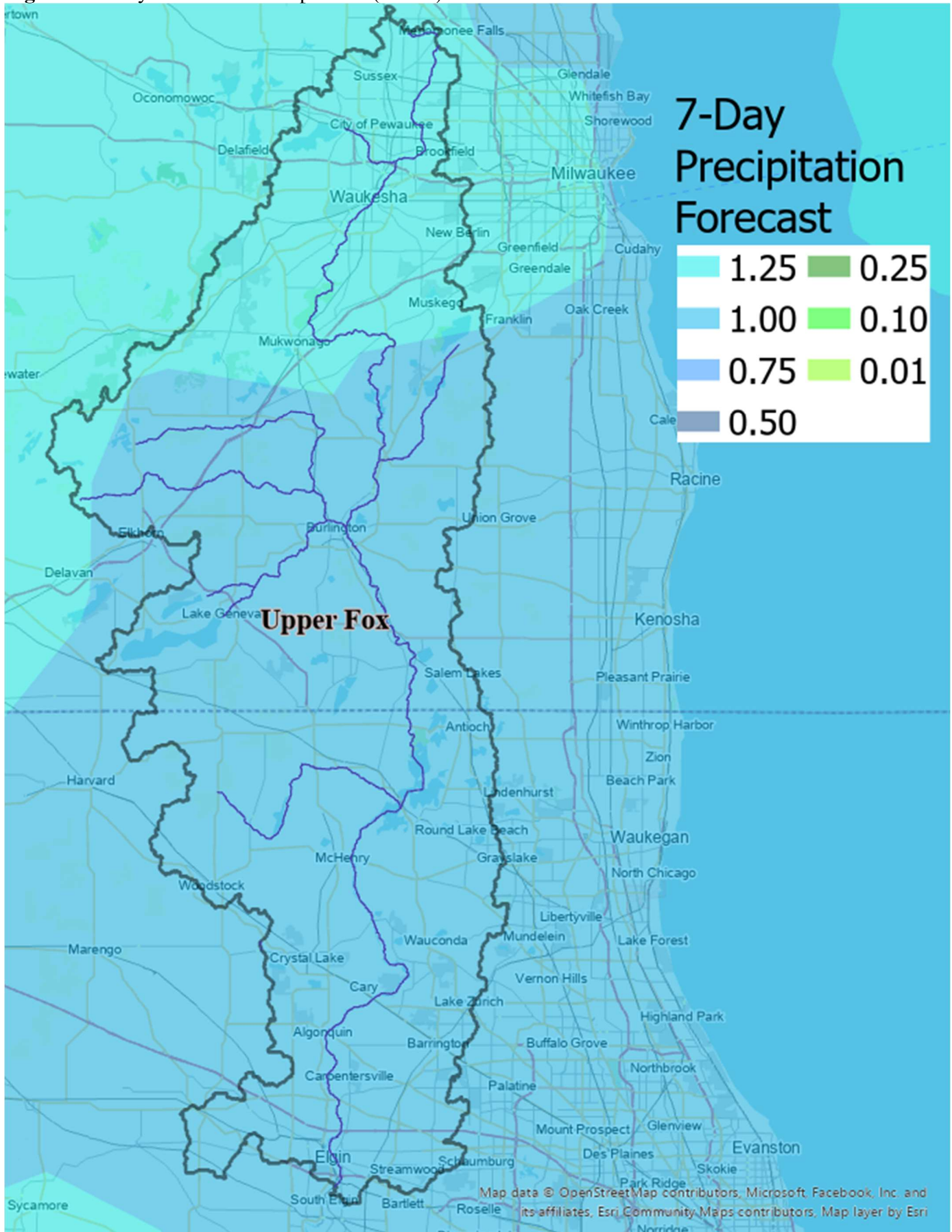
### Current Conditions

Measured flow on the Fox River near New Munster, WI is 2880 cfs and Nippersink Creek near Spring Grove is at 386 cfs. The total system inflow is 3942 cfs. The Fox Lake stage is 5.74 ft; the Stratton Dam Tailwater stage is 5.32 ft. The Fox River at the Algonquin Dam headwater stage is 2.32 ft.

### Forecast

Inflows are forecasted to continue dropping, as shown in **Figure 1**. Fox Lake is forecasted to remain above 5.00' until late next week and Johnsburg should fall below 5.0' this weekend, as shown above in **Figure 2**. The Lower River will also see water levels continue to slowly drop for the duration of this forecast, **Figure 3** above. The 7-Day Precipitation forecast is showing 1.0"-1.25" rain for the watershed, **Figure 4**.

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



## **System Outlook**

### **All Areas of the System**

It is anticipated that it will be a slow process of returning to normal water levels. Any additional rainfall will only extend the duration.

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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Illinois Department of Natural Resources