



Fox River Status Update
April 7th, 2024

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

Summary

Based on the current forecast, inflows are continuing to drop (Figure 1). The lakes are predicted to crest at approximately 5.84' (Figure 2) on Monday; the Lower River is still forecasted to peak at approximately 5.4' for the McHenry Tailwater gage, later in the day tomorrow. Water levels are expected to remain higher than normal for at least the next two week depending on future precipitation.

Current Conditions and NWS Forecasts

Figure 1: NWS Forecasted Inflows

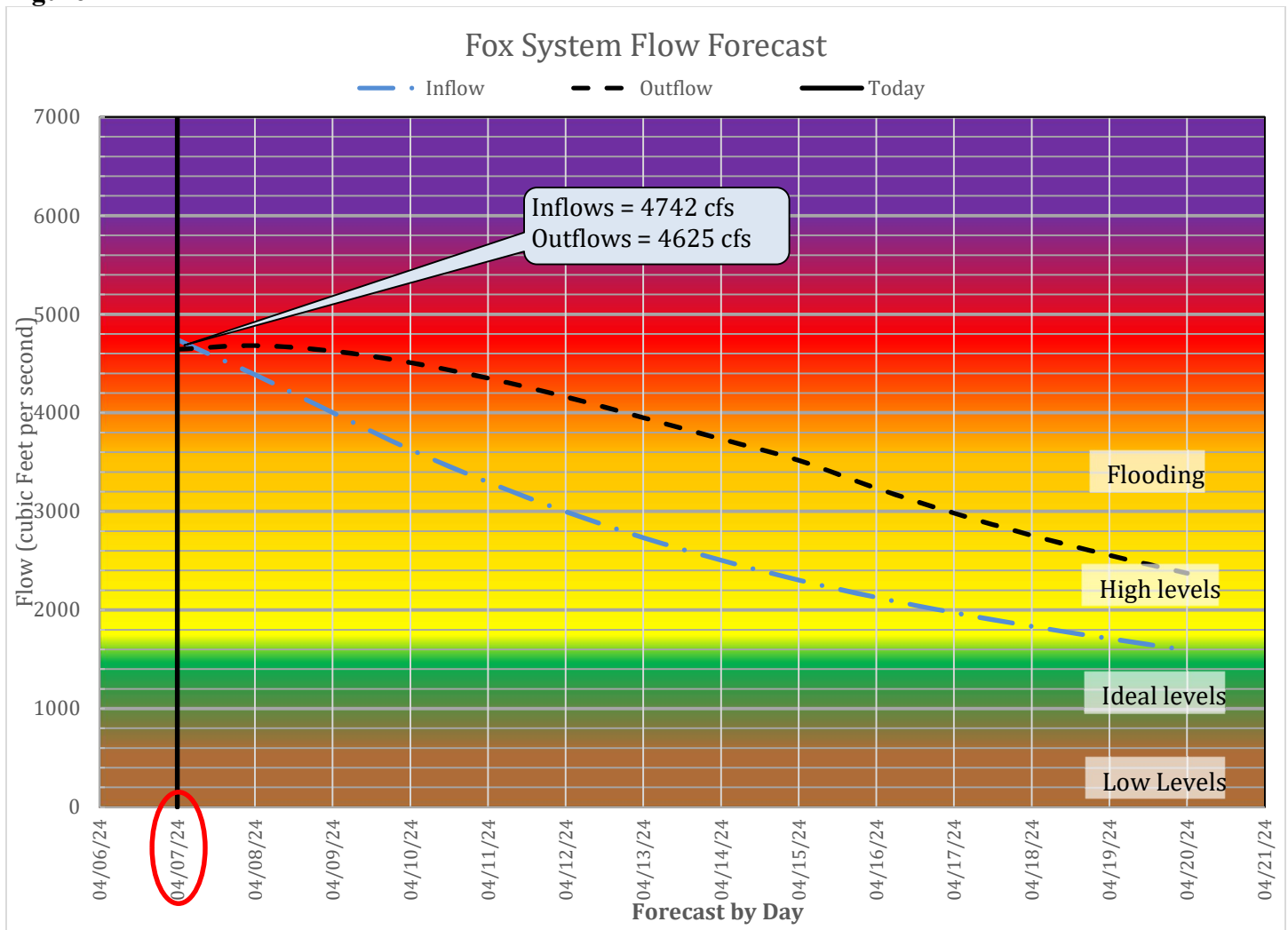


Figure 2: Estimated Upstream Gage Heights

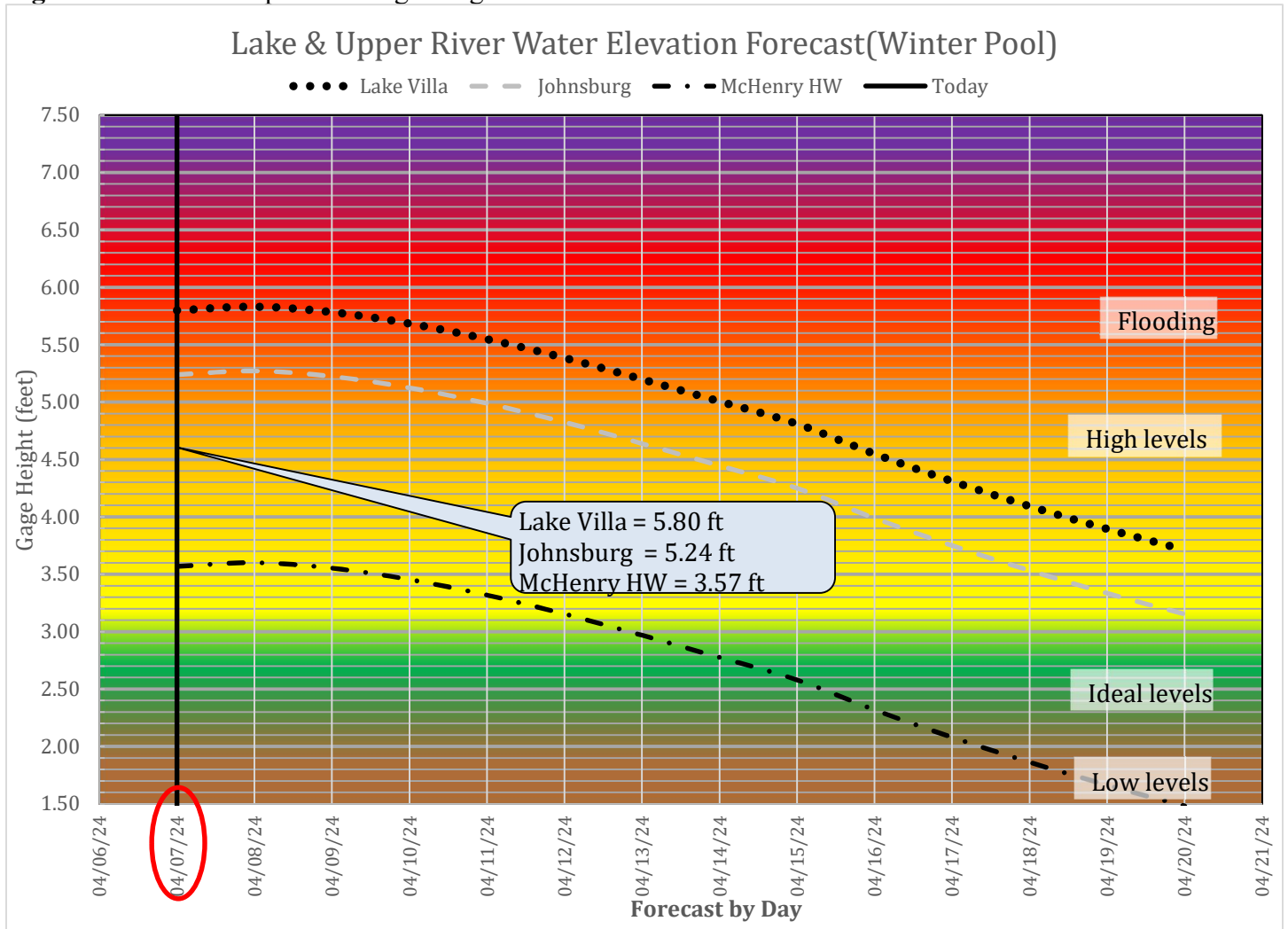
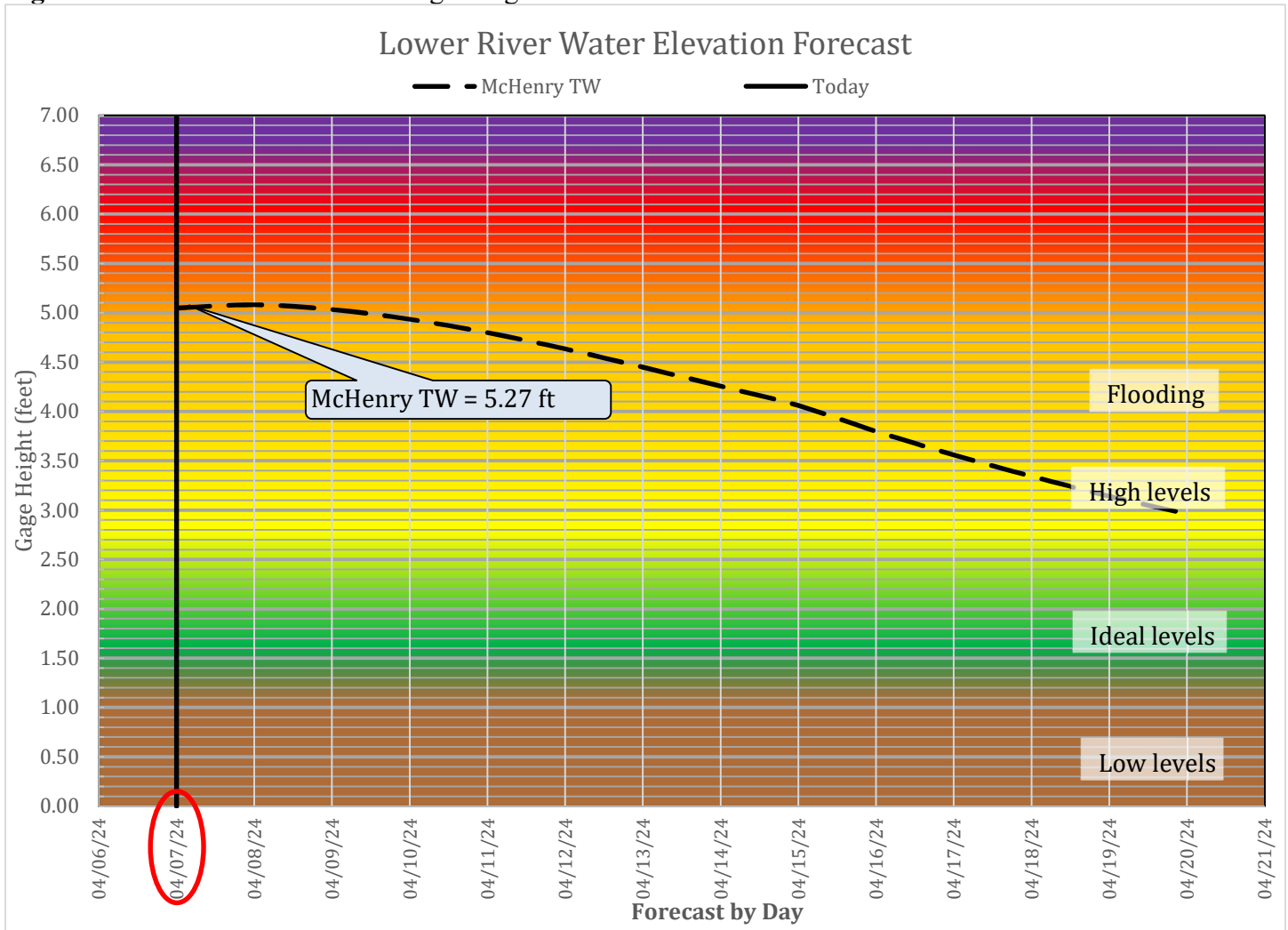


Figure 3: Estimated Downstream Gage Height



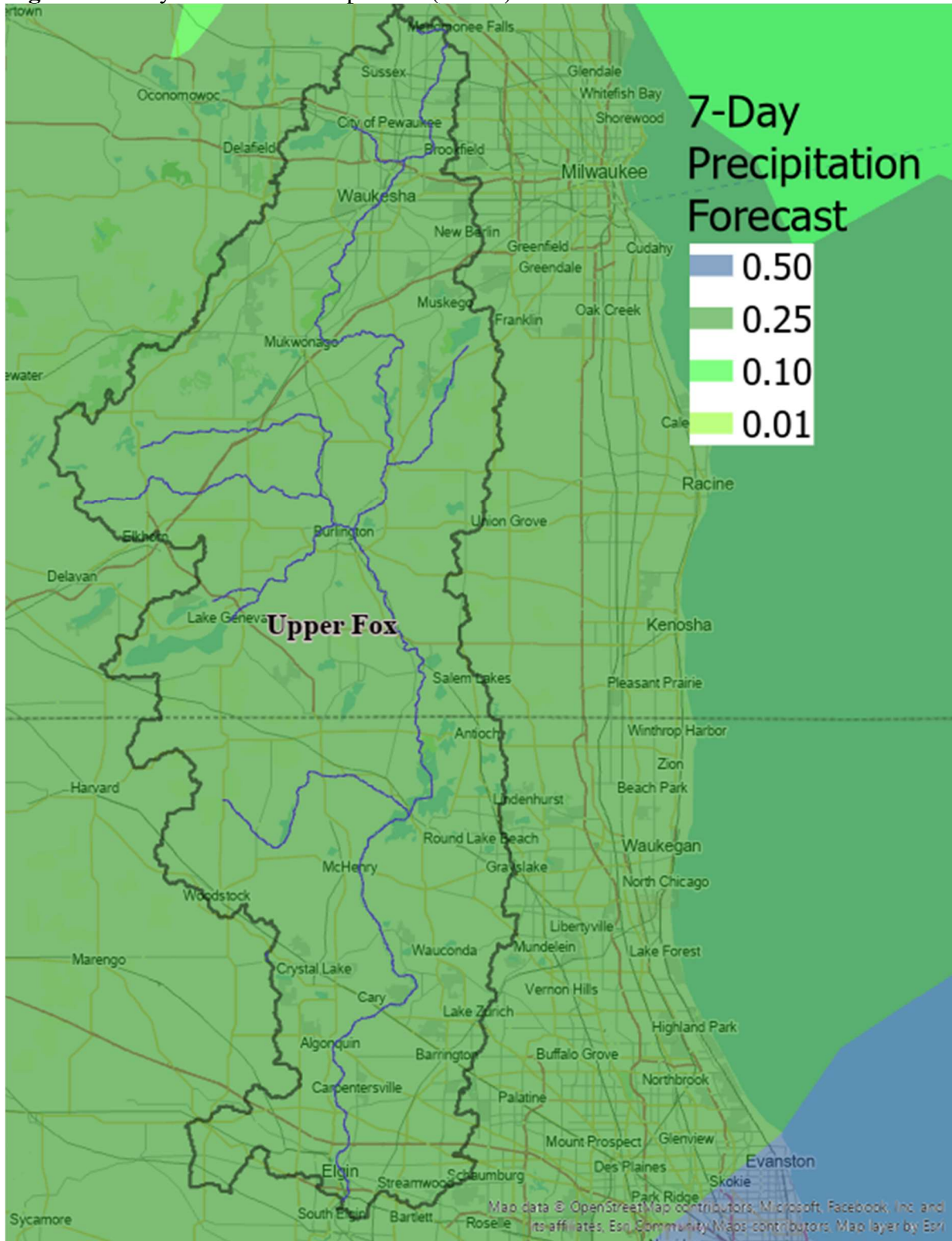
Current Conditions

Measured flow on the Fox River near New Munster, WI is 3340 cfs and Nippersink Creek near Spring Grove is at 545 cfs. The total system inflow is 4742 cfs. The Fox Lake stage is approximately 5.80 ft; the Stratton Dam Tailwater stage is 5.27 ft. The Fox River at the Algonquin Dam headwater stage is 2.29 ft.

Forecast

Inflows are forecasted to continue dropping, as shown in **Figure 1**. Fox Lake and all areas upstream of the dam are forecasted to peak on Monday, as shown above in **Figure 2**. The Lower River will also peak on Monday at 5.4’ and is currently in Minor Flood Stage. The 7-Day Precipitation forecast is showing 0.25” 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 tomorrow at 5.84'.

McHenry Pool Area Outlook

Water levels are forecasted to be lower than the lakes at the pool while as much water as possible is allowed to exit the system. The Johnsborg gage is forecasted to peak on Monday at 5.28'.

Lower River Outlook

It should also peak tomorrow later in the day at 5.4'.

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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