



Fox River Status Update April 4th, 2023

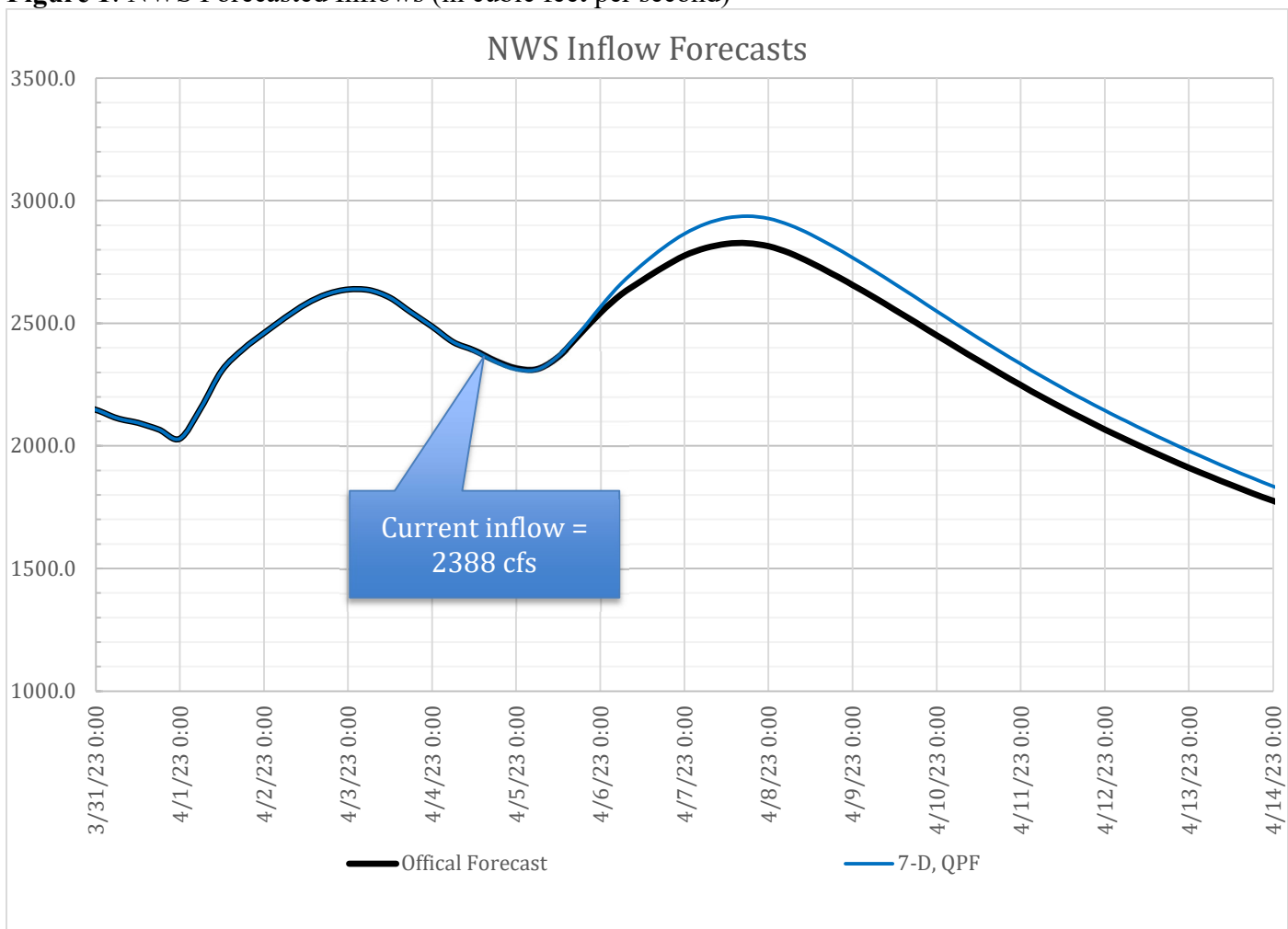
**This Update is based on the current forecast and will be adjusted based on future forecasts and rainfall.*

Summary

There is approximately 0.59" of rain forecasted in the watershed for the next 24 hours. The current 7-Day inflow forecast shows the peak on Friday, at 2937.7 cfs. Fox Lake is expected to peak at near 4.1' Sunday. McHenry pool will hold at approximately 2.1'. Gates will be maintained in an attempt to keep maximum outflows while keeping the Lower River below 3.5' on the Tailwater Gage, this includes the lowering of the Algonquin Gate. All gates will be adjusted accordingly to minimize the impact for everyone on the system. All forecasts are subject to change as NWS forecasts are revised.

Current Conditions and NWS Forecasts

Figure 1: NWS Forecasted Inflows (in cubic feet per second)



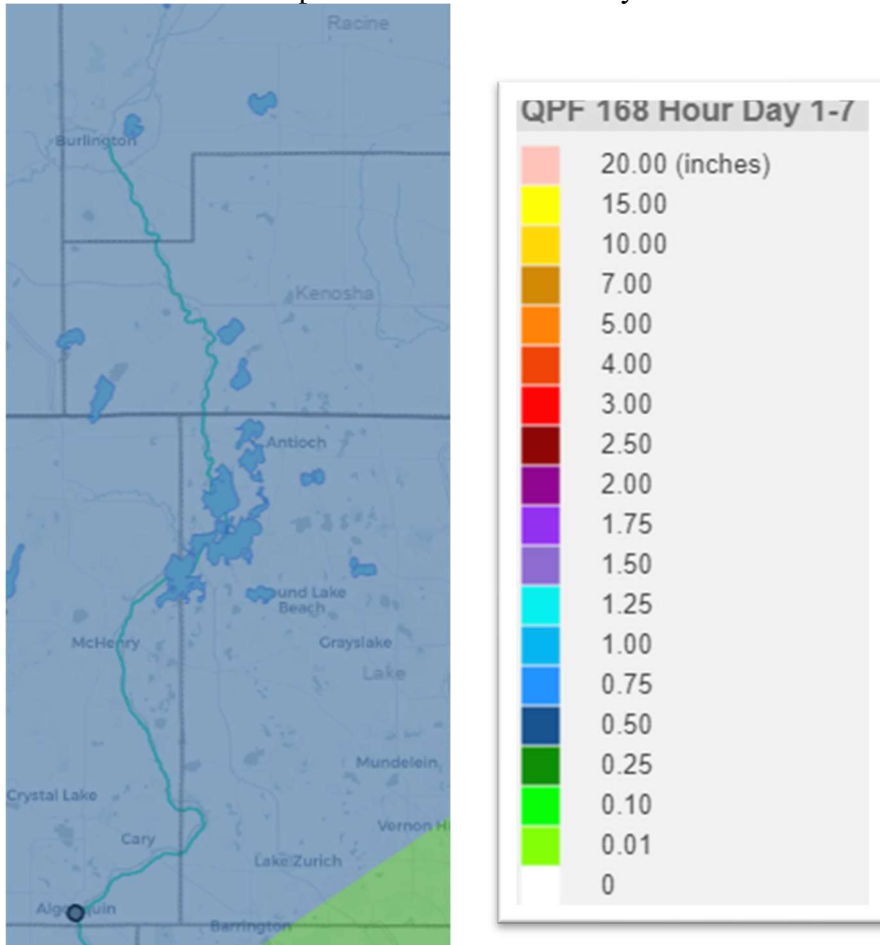
Current Conditions

Measured flow on the Fox River near New Munster, WI is 1530 cfs and Nippersink Creek near Spring Grove is 392 cfs. The total net system inflows are 2388 cfs; the outflows at Stratton Dam are 2693 cfs. The Fox Lake stage is 4.04 ft; the Stratton Dam Tailwater stage is 3.62 ft. The Fox River at the Algonquin Dam headwater stage is 1.94 ft.

Forecast

Inflows are forecasted to peak on Sunday, as shown above in **Figure 1**. The NWS 7-day forecast is predicting near 0.5” precipitation for the Fox River watershed as shown on **Figure 2**.

Figure 2: Forecasted Precipitation for the Next 7 days



Source:

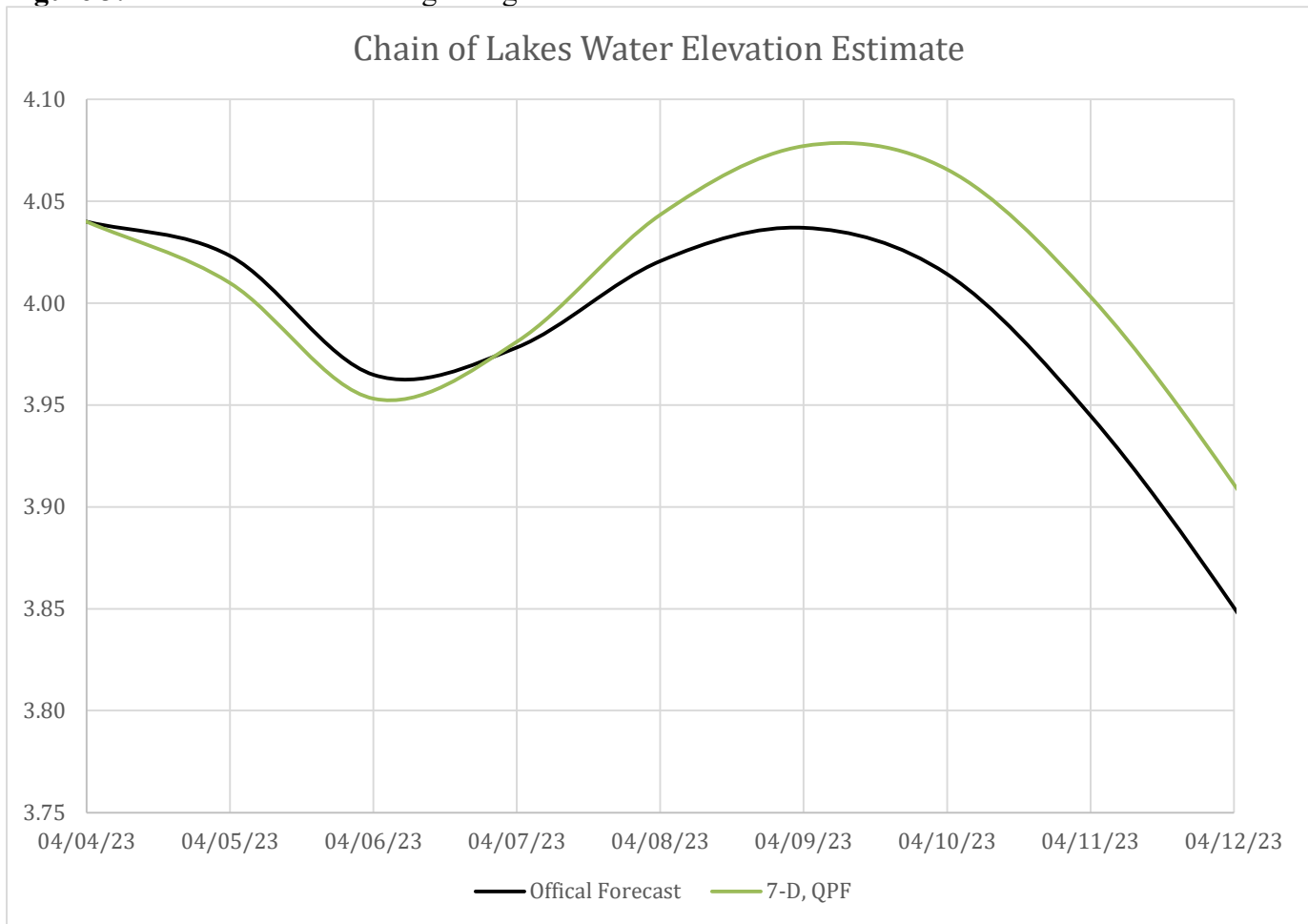
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System Outlook

Chain O' Lakes Outlook

Water levels in the chain are forecasted to peak on Sunday at 4.1' based on the current gate setting at Stratton.

Figure 3: Estimated Fox Lake Gage Height



McHenry Pool Area Outlook

The Upper River near the McHenry Pool is currently at 2.12 as water is attempting to be pulled from the lakes. The pool is expected to remain near this level.

Lower River Outlook

The new gates at Stratton are fully open and the Obermeyer is being utilized in order to create storage for the next rain event. Algonquin gate is being lowered to generate more room on the lower river with causing any flooding.

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

Thank you,

Aaron Rotherham
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<https://www.dnr.illinois.gov/WaterResources/Pages/StrattonLockandDam.aspx>