



## Fox River Status Update May 5<sup>th</sup>, 2023

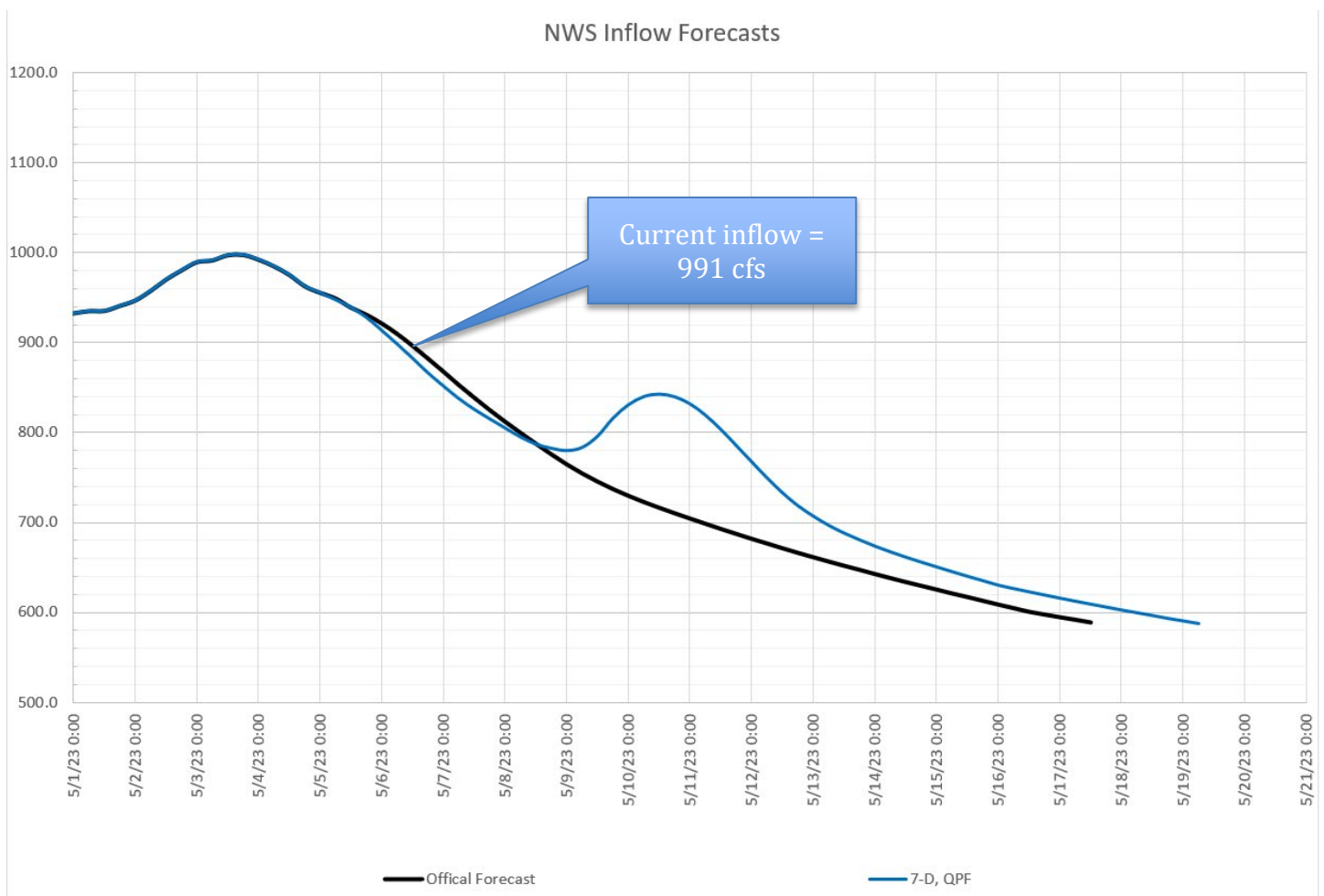
*\*This Update is based on the current forecast and will be adjusted based on future forecasts and rainfall.*

### Summary

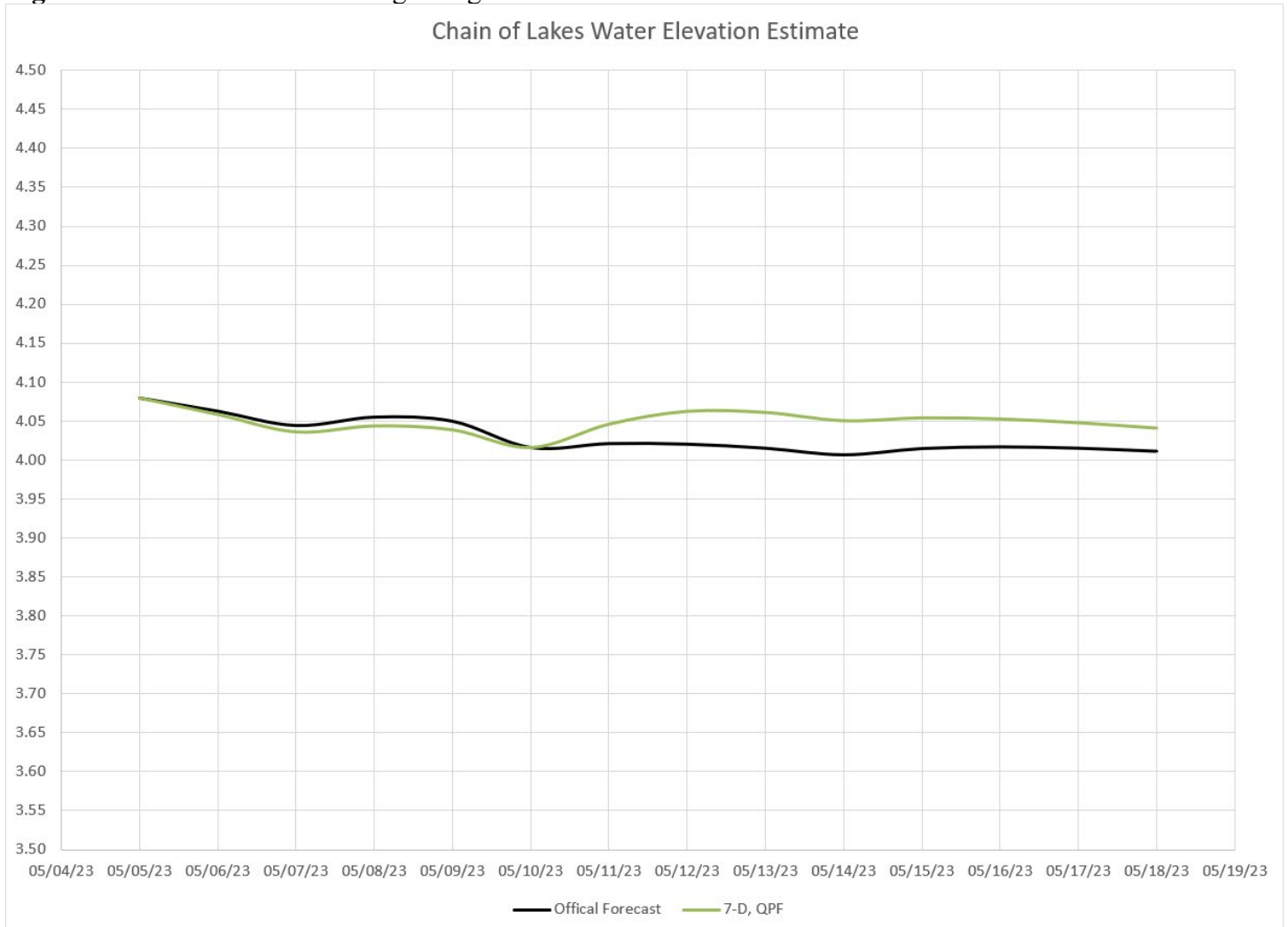
There is less than an 1-1.5 inches of rain forecasted now through Monday and no rain for the remainder of the 7-day outlook. Inflows are low for this time of year leading to good conditions above the Stratton Dam and low conditions below the Stratton Dam. The rainfall over the weekend will be closely monitored.

### Current Conditions and NWS Forecasts

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



**Figure 2: Estimated Fox Lake Gage Height**



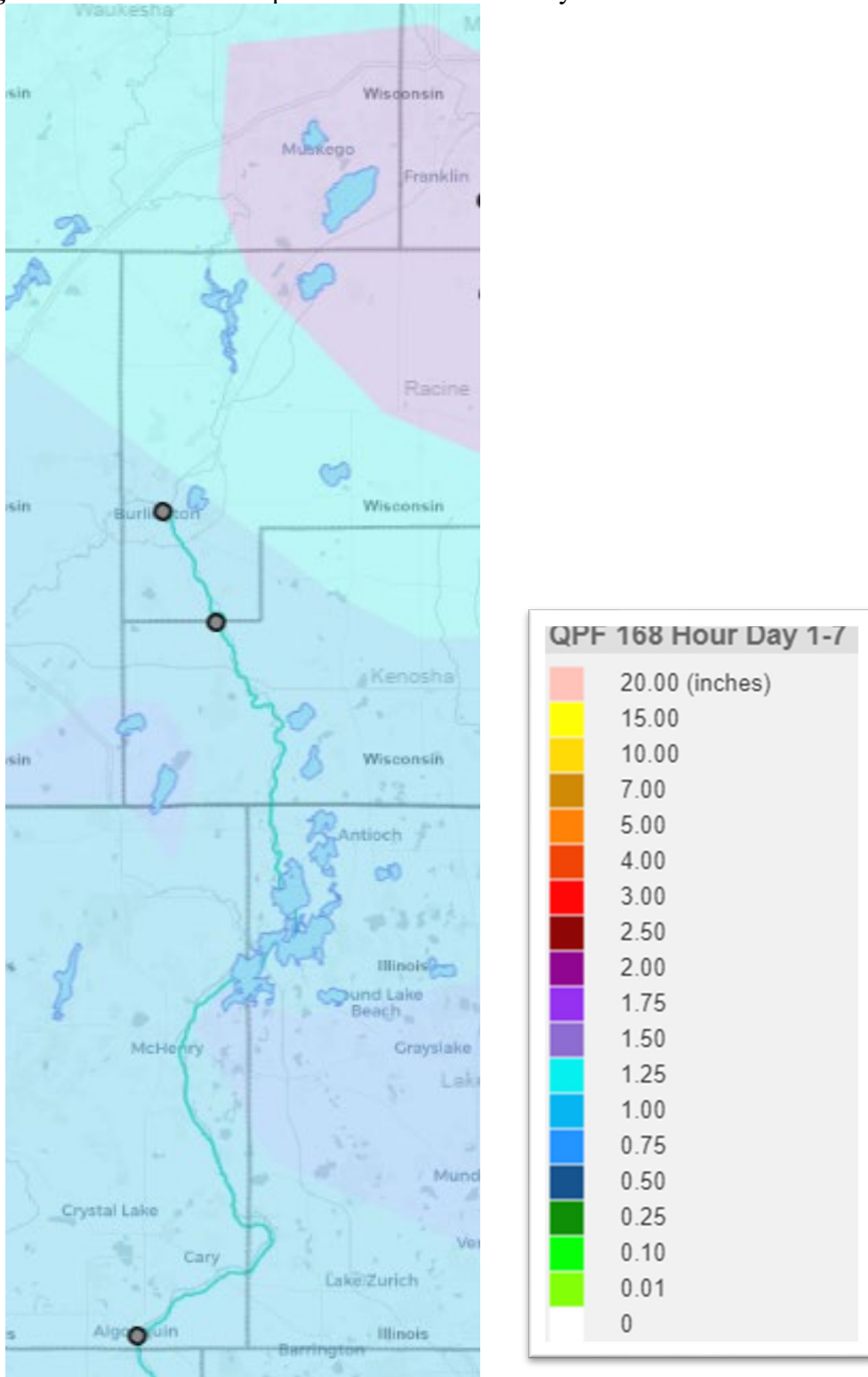
### Current Conditions

Measured flow on the Fox River near New Munster, WI is 654 cfs and Nippersink Creek near Spring Grove is 147 cfs. The total net system inflows are 939 cfs; the outflows at Stratton Dam are 991 cfs. The Fox Lake stage is 4.08 ft; the Stratton Dam Tailwater stage is 1.94 ft. The Fox River at the Algonquin Dam headwater stage is 1.94 ft.

### Forecast

Inflows are slowly decreasing, as shown above in **Figure 1**. Fox Lake and all areas of the system are holding steady shown above in **Figure 2**. The NWS 7-day forecast is predicting 1 to 1.5 inches of precipitation for the Fox River watershed over the next week as shown on **Figure 3**.

**Figure 3:** Forecasted Precipitation for the Next 7 days



Source:

<https://viewer.weather.noaa.gov/general#/layers=35225+40090+40146+40091+42149+42377+40134&x=-88.48082&y=42.38798&z=9.6&panel=layer>

## System Outlook

### Chain O' Lakes Outlook

Water levels are expected to hold between 4.0 and 4.2 for the forecast provided.

### McHenry Pool Area Outlook

Water levels are expected to hold between 3.8 and 4.0 for the forecast provided.

### Lower River Outlook

The Lower River should hold between 1.8 and 2.0 for the forecast provided.

IDNR-OWR will continue to monitor conditions and will make changes as necessary pending future forecasts and conditions. As we are back into boating season, OWR plans to provide weekly updates when possible.

Thank you,

Wes Cattoor, P.E., CFM

Office of Water Resources

Illinois Department of Natural Resources

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