



Fox River Status Update  
June 30<sup>th</sup>, 2023

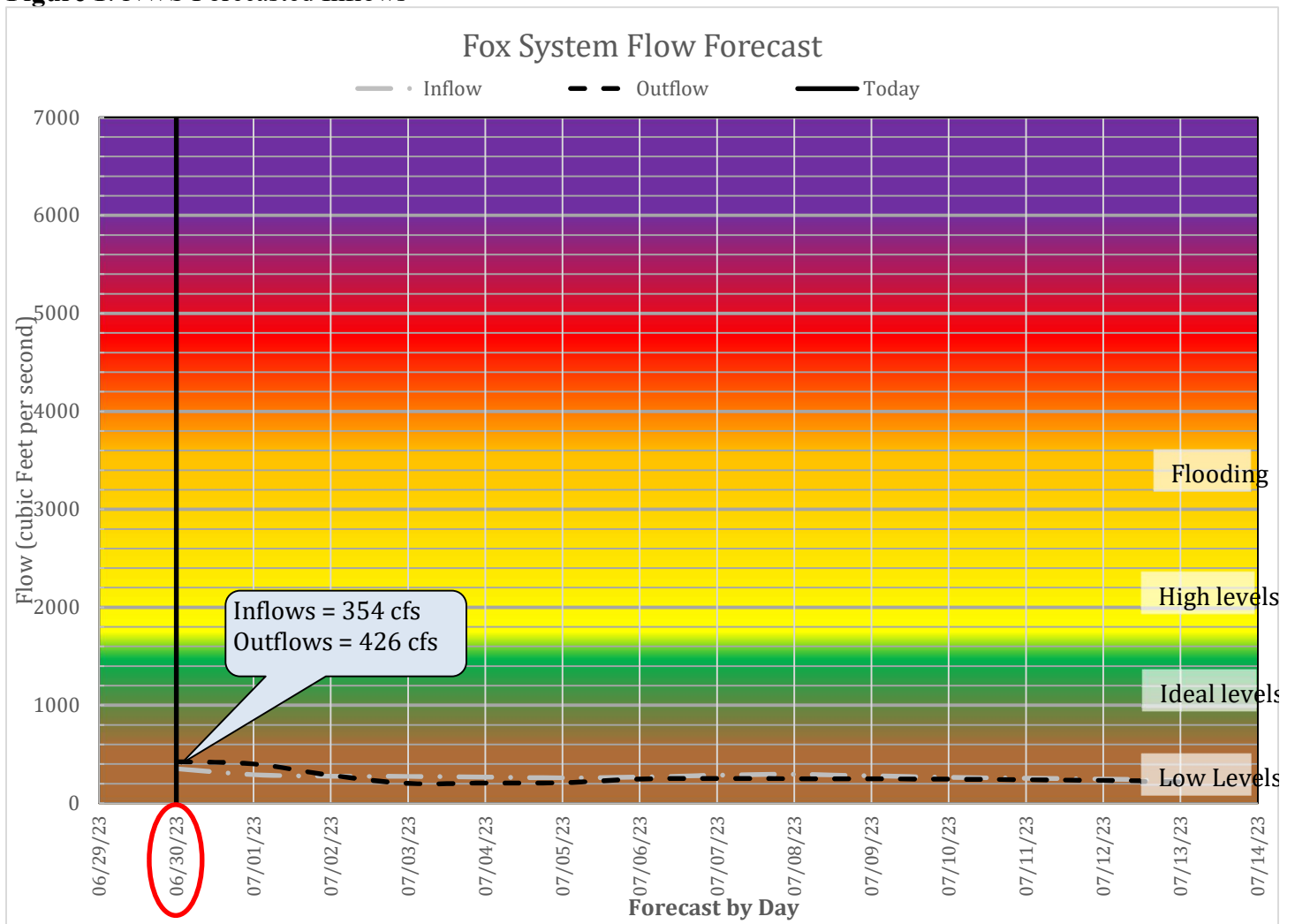
*\*This Update is based on the current forecast and will be adjusted based on future forecasts and rainfall.*

### Summary

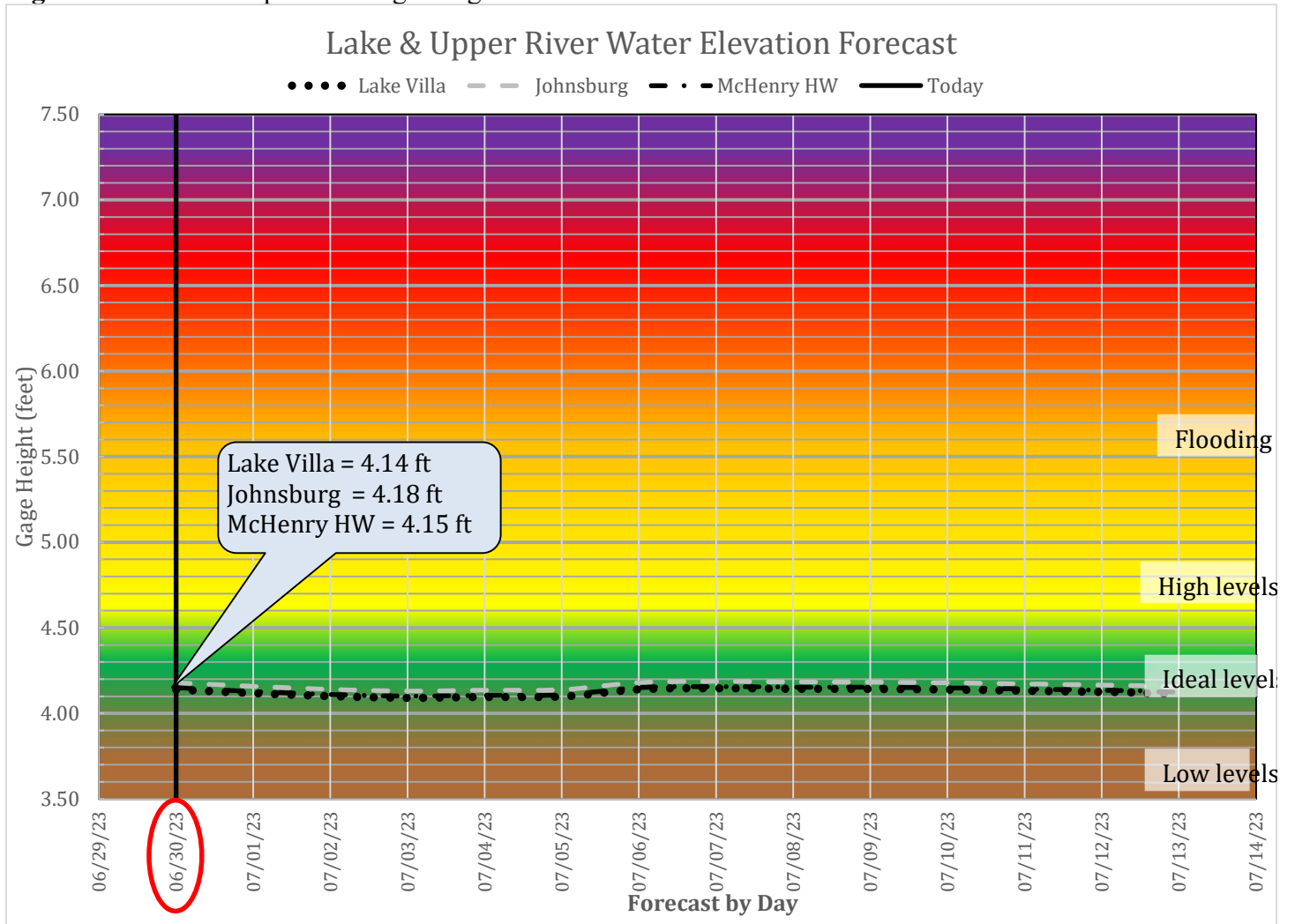
There is currently near 1.0” of rain forecasted for the Lakes during the next seven days. Based on the 7 Day Inflow forecast, this will have no impact on the water levels in the system. Severe drought conditions have continued to expand into the watershed.

### Current Conditions and NWS Forecasts

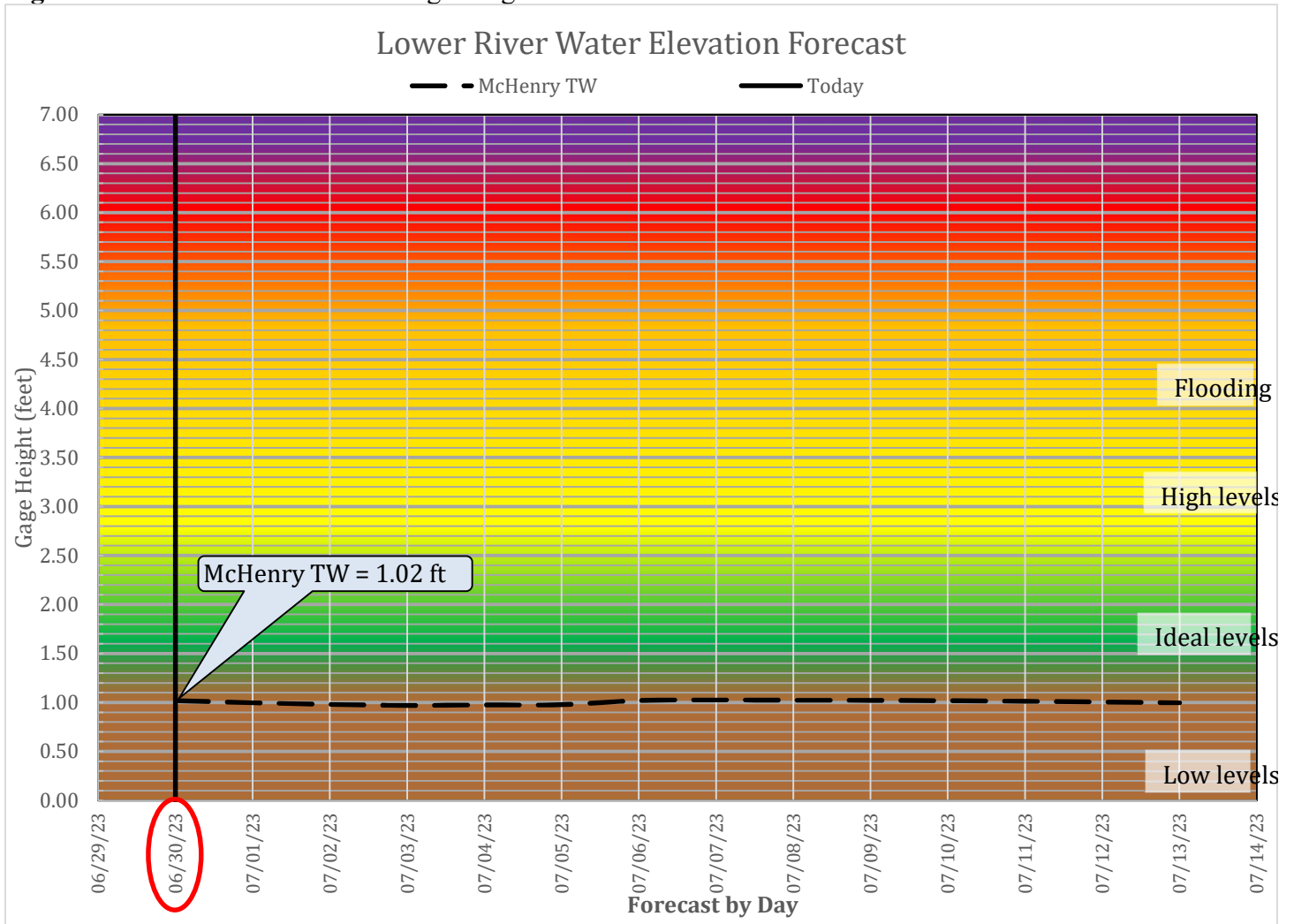
Figure 1: NWS Forecasted Inflows



**Figure 2: Estimated Upstream Gage Heights**



**Figure 3: Estimated Downstream Gage Height**



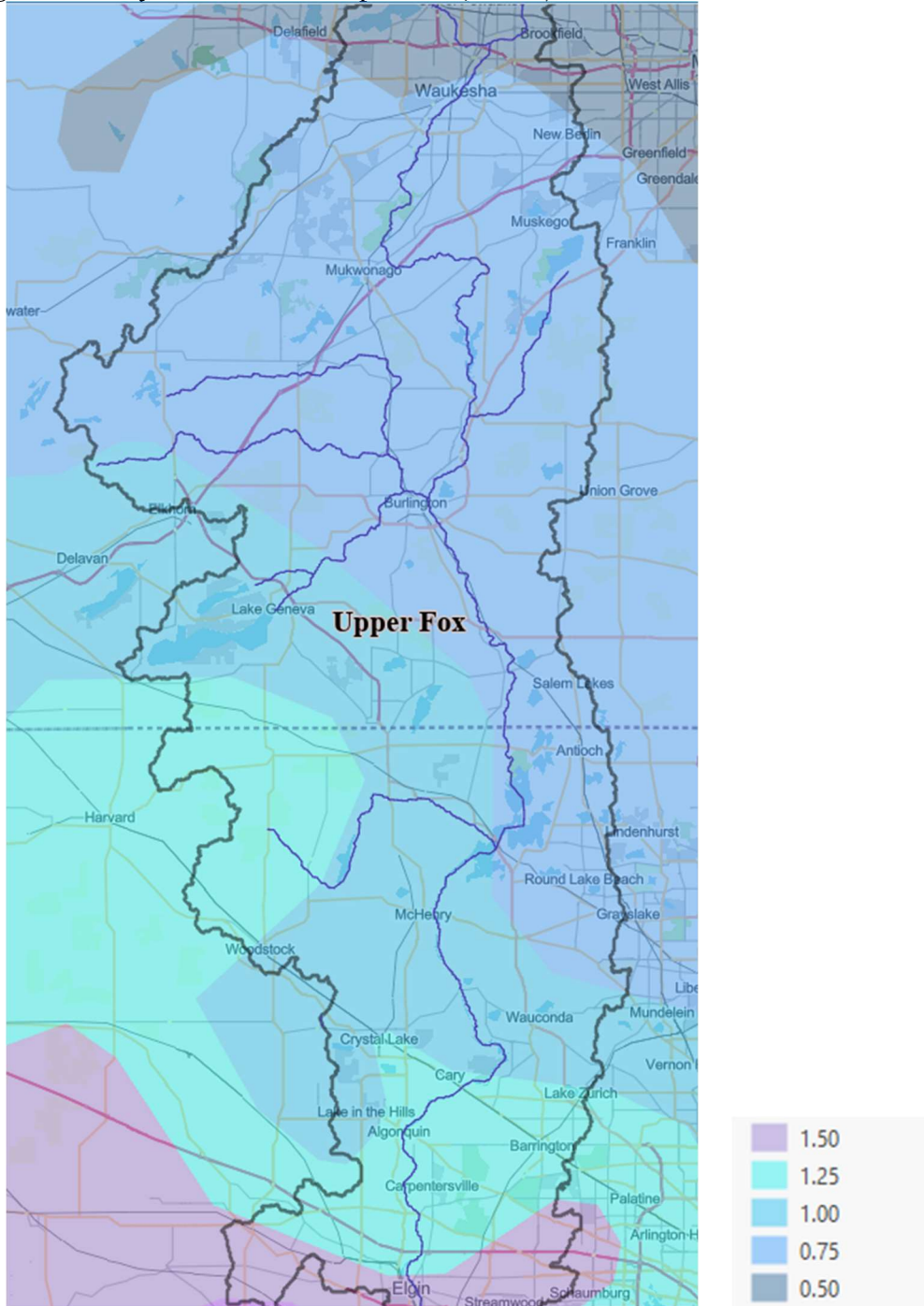
**Current Conditions**

Measured flow on the Fox River near New Munster, WI is 173 cfs and Nippersink Creek near Spring Grove is at 61 cfs. The total net system inflows are 353 cfs. The Fox Lake stage is 4.13 ft; the Stratton Dam Tailwater stage is 1.02 ft. The Fox River at the Algonquin Dam headwater stage is 1.50 ft.

**Forecast**

Inflows hold near current levels for the next seven days, as shown above in **Figure 1**. Fox Lake and all areas upstream of the dam are holding fairly steady between 4.0' and 4.2', shown above in **Figure 2**. The Lower River is forecasted to see continued conditions near the current level, as shown above in **Figure 3**. The 7 Day Precipitation forecast is showing approximately 1.0" of rain for the Chain of Lakes, **Figure 4**.

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



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 forecasted to hold steady over the next week. Water coming into the system will continue its slow decline, despite the rain.

## McHenry Pool Area Outlook

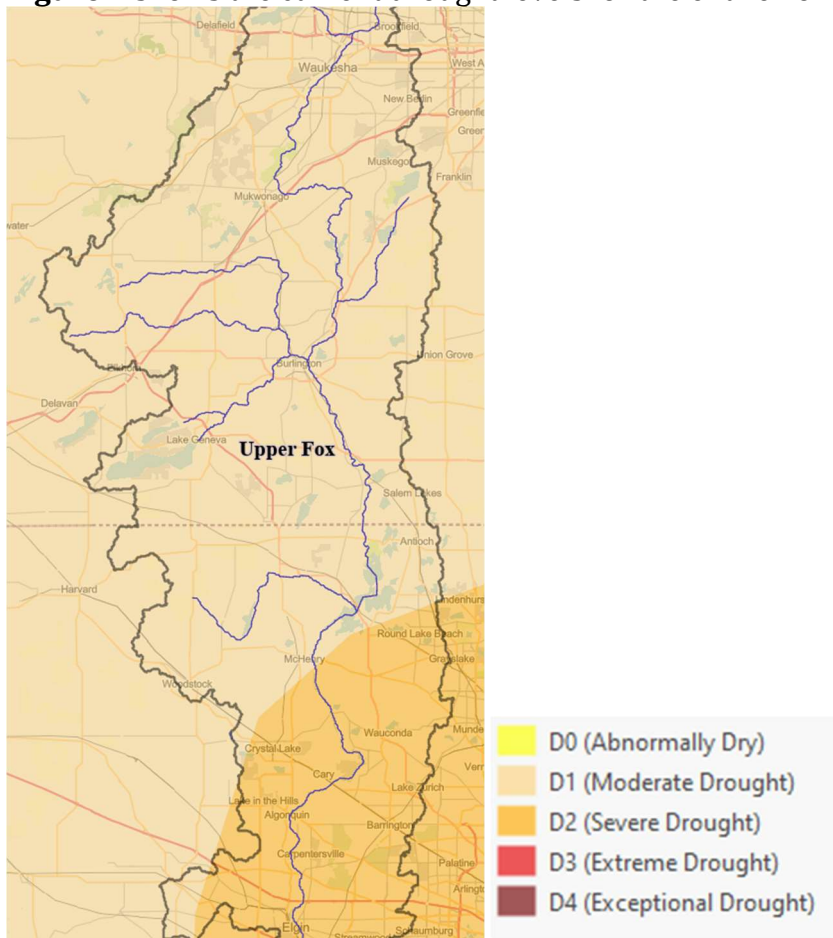
Water levels are forecasted to mirror those of the lakes.

## Lower River Outlook

The Lower River is forecasted to hold near the current levels for the next seven days.

## U.S Drought Monitor

Figure 4 shows the current drought levels for the entire Fox River watershed.



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

Thank you,

Aaron Rotherham

Office of Water Resources

Illinois Department of Natural Resources

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