



Fox River Status Update June 1st, 2023

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

Summary

There is currently no rain forecasted for the next seven days. Flow at New Munster has dropped to 39.6% of the median and Nippersink Creek is down to 50.9 % of the median for this date. Conditions on the lower river are going to be low and are expected to get worse.

Current Conditions and NWS Forecasts

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

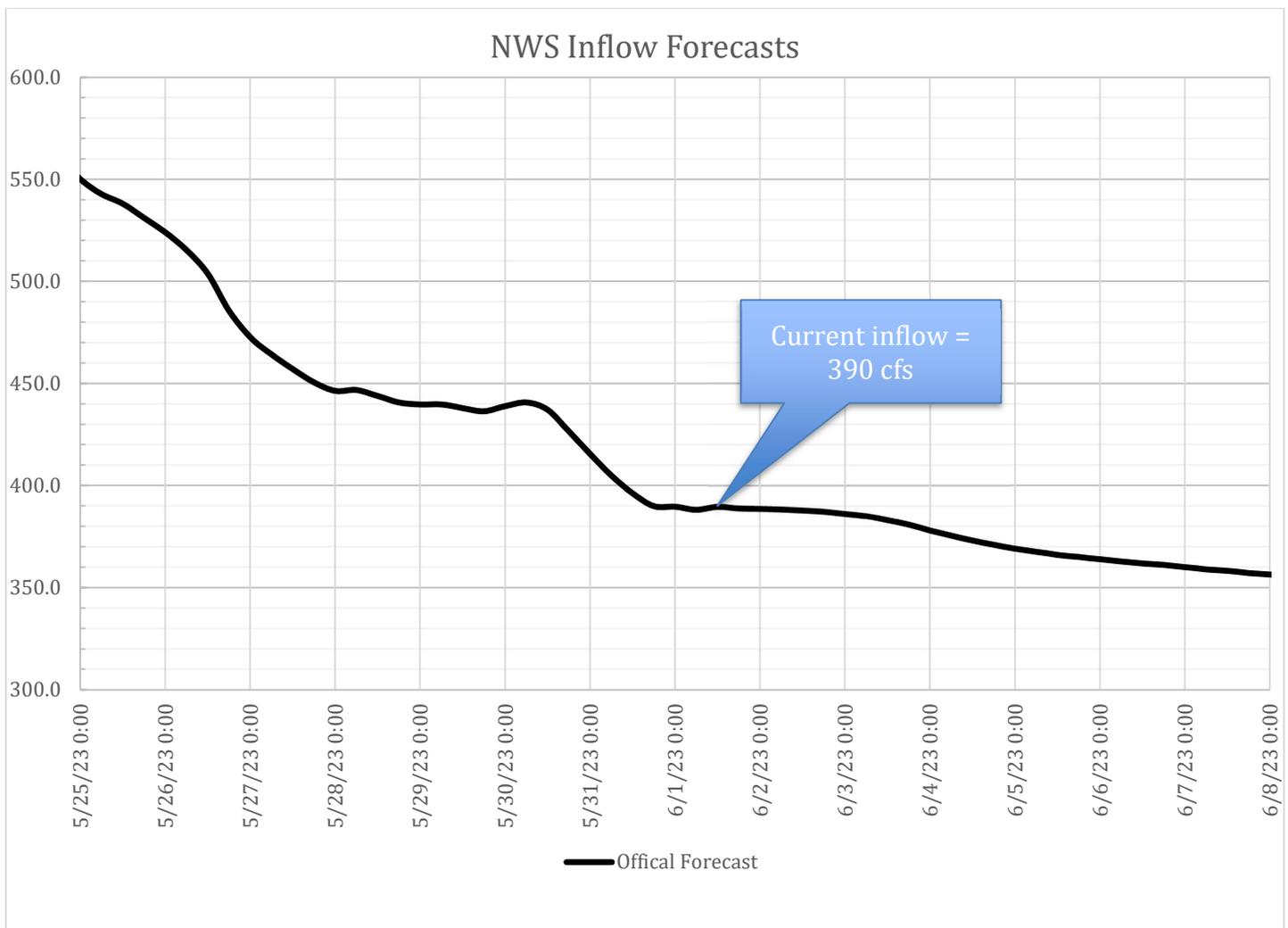
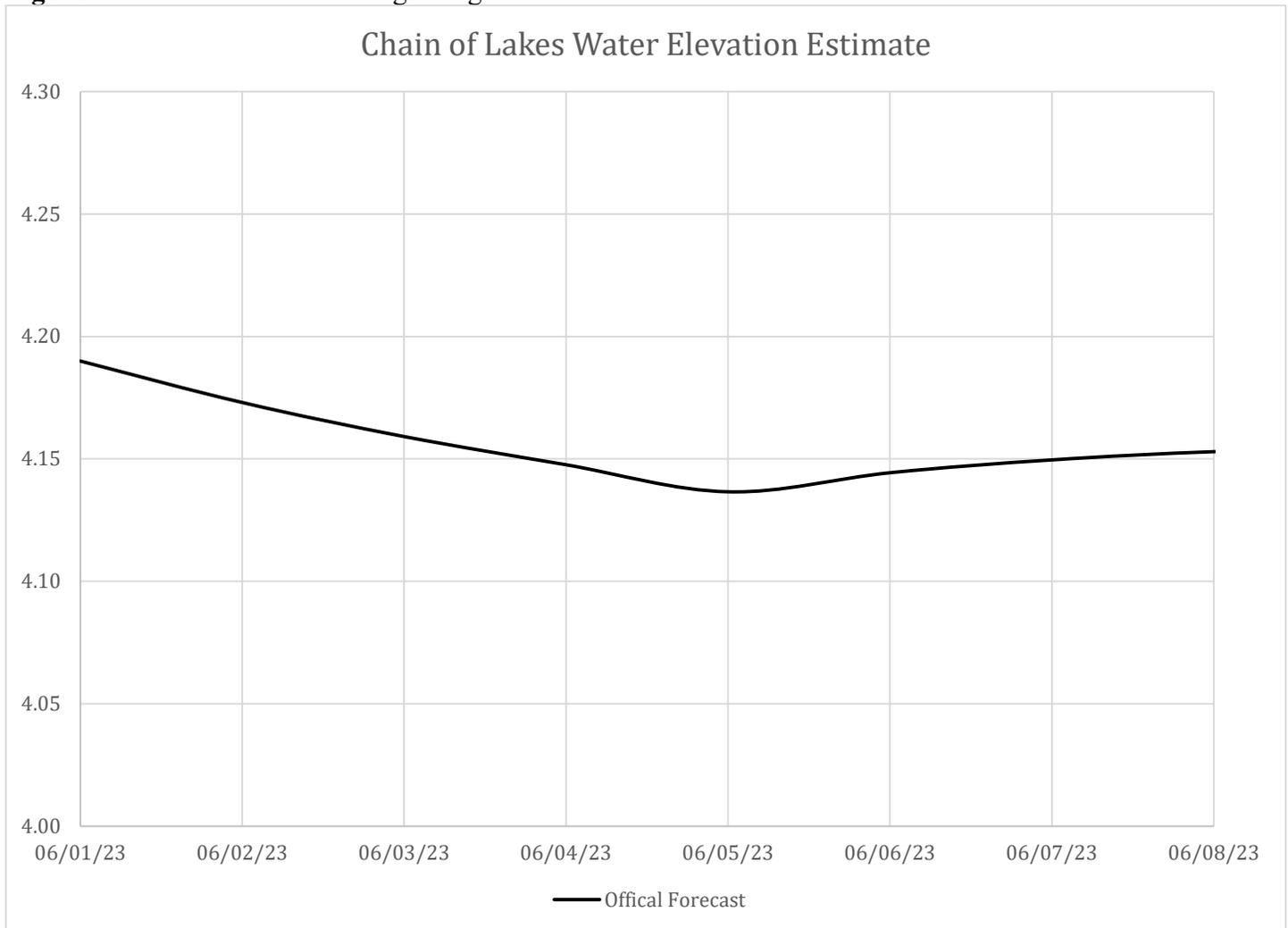


Figure 2: Estimated Fox Lake Gage Height



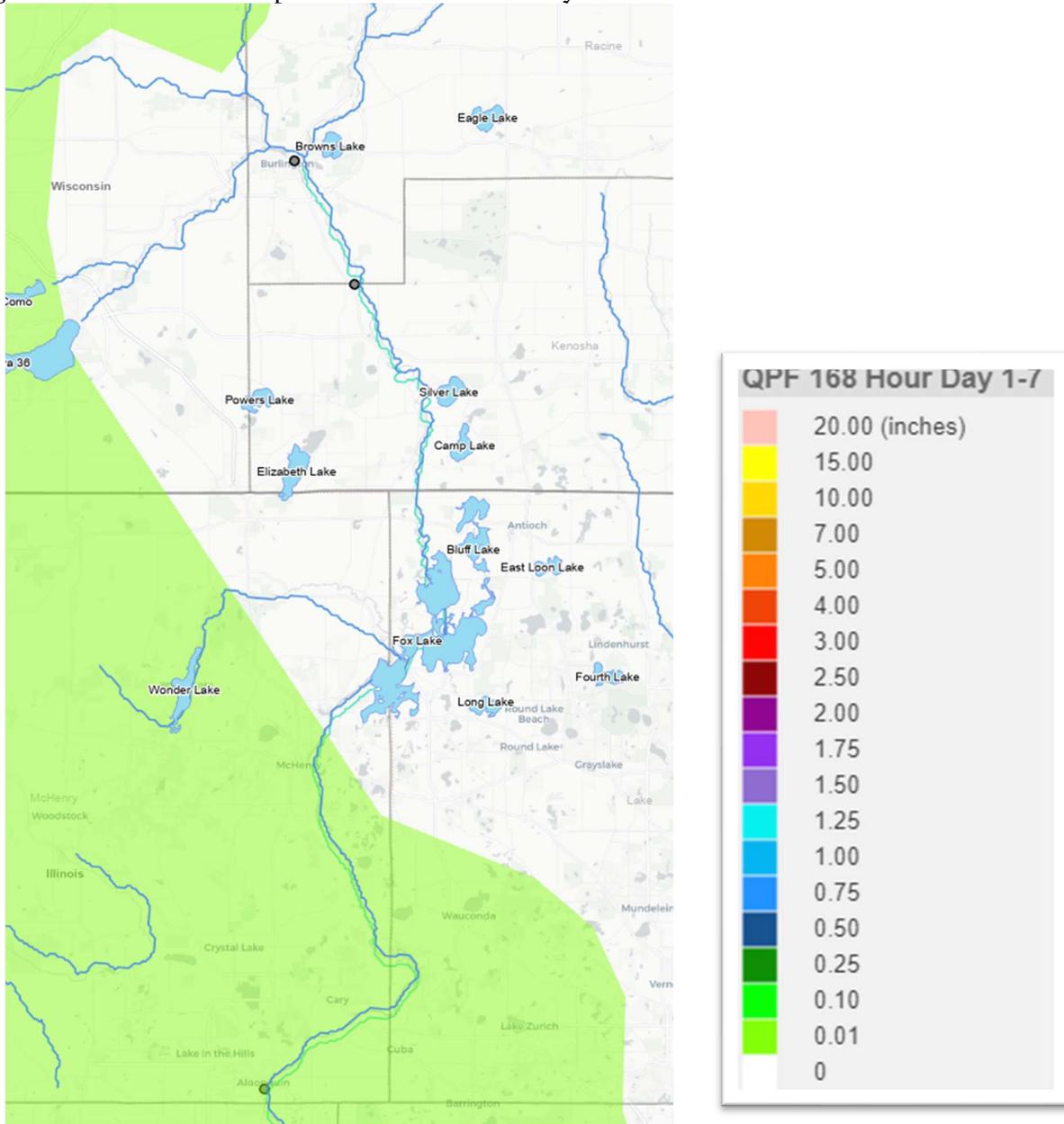
Current Conditions

Measured flow on the Fox River near New Munster, WI is 236 cfs and Nippersink Creek near Spring Grove is 80 cfs. The total net system inflows are 393 cfs; the outflows at Stratton Dam are 425 cfs. The Fox Lake stage is 4.19 ft; the Stratton Dam Tailwater stage is 0.79 ft. The Fox River at the Algonquin Dam headwater stage is 1.35 ft.

Forecast

Inflows are continuing to decrease, 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 NO precipitation for the Fox River watershed 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 near the current level for the forecast provided.

McHenry Pool Area Outlook

Water levels are expected to hold near the current level for the forecast provided.

Lower River Outlook

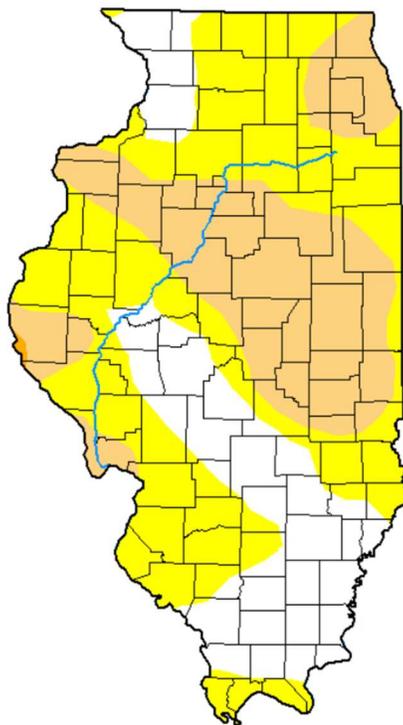
The Lower River should expect conditions to worsen without any rain in the forecast. Caution should be used while navigating the lower river.

U.S Drought Monitor (This week vs. Last Week)

As anticipated in last week's report, the drought conditions have expanded across the area. With no rain currently forecasted for the next 7 days, it is expected to see further worsening of these conditions. This will mean lower inflows and reducing outflows from the dam; further reducing water levels on the lower river.

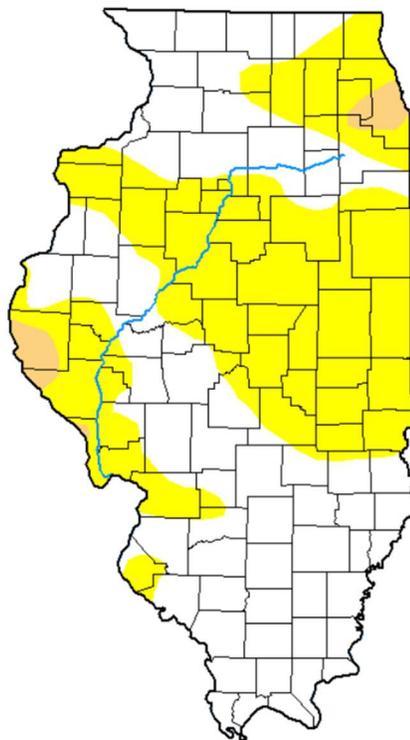
This Week's

U.S. Drought Monitor Illinois



Last Week's

U.S. Drought Monitor Illinois



May 30, 2023

(Released Thursday, Jun. 1, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	24.45	75.55	30.75	0.13	0.00	0.00
Last Week <i>05-23-2023</i>	52.03	47.97	2.20	0.00	0.00	0.00
3 Months Ago <i>02-28-2023</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>01-03-2023</i>	35.34	64.66	3.98	0.00	0.00	0.00
Start of Water Year <i>09-27-2022</i>	65.33	34.67	8.15	0.00	0.00	0.00
One Year Ago <i>05-31-2022</i>	91.25	8.75	0.00	0.00	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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>