



US Army Corps
of Engineers
Detroit District



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JULY 2022 GREAT LAKES WATER LEVEL SUMMARY

LAKE SUPERIOR

From June to July, Lake Superior continued its seasonal rise and rose 2 inches to a level of 602.43 feet. July monthly mean level was 4 inches above the long-term average (LTA) level, 2 inches above 2021 July level, and 9 inches below record high July level. Provisional water supplies* to Lake Superior for July were near average, and precipitation was about 97% of average. 6-month forecast shows Lake Superior continuing seasonal rise into late summer or early fall before beginning its seasonal decline. Over the next 6 months, forecasted water levels range from 4 to 7 inches above 2021 levels, 2 to 4 inches above LTA levels, and 7 to 17 inches above Chart Datum.

LAKE MICHIGAN-HURON

Lake Michigan-Huron matched water levels June to July at 580.09 feet. July monthly mean level was 8 inches above its LTA level, 7 inches below 2021 July level, and 26 inches below record high July level from 2020. Water supplies* in July were below average in Lake Michigan-Huron basin due to above average evaporation and below average precipitation. Forecast shows Lake Michigan-Huron to begin its seasonal decline in August. Over the next 6 months, forecast shows water levels 3 to 10 inches below 2021 levels but 8 inches above LTA levels. Also, 6-month forecast shows water levels to be 25 to 33 inches below record high levels.

LAKE ST. CLAIR

Lake St. Clair fell from June to July by an inch to 575.89 feet. July monthly mean level was 12 inches above LTA July level, 8 inches below 2021 July level, and 20 inches below record high July level from 2019. 6-month forecast shows Lake St. Clair continuing its seasonal decline and to be 9 to 12 inches above LTA levels. Forecast from August to January shows water levels 6 to 15 inches below 2021 levels, and 21 to 28 inches below record high levels.

LAKE ERIE

In July Lake Erie began its seasonal decline and fell 3 inches to 572.87 feet. July monthly mean level was 10 inches above LTA July level, 8 inches below 2021 July level, and 20 inches below record high July level from 2019. Lake Erie water supplies* were below average in July, while precipitation was average. 6-month forecast shows Lake Erie to continue falling in August and remain above LTA levels by 8 to 9 inches from August to January. Also, forecasted water levels to be 11 to 16 inches below 2021 levels, and 19 to 26 inches below record high levels.

LAKE ONTARIO

Lake Ontario continued its seasonal decline from June to July and fell by 7 inches to a level of 245.90 feet. This level is 2 inches below July LTA level, 6 inches above July 2021 level, and 33 inches below record high July level from 2019. Lake Ontario also experienced near average water supplies*. 6-month forecast shows Lake Ontario to continue its seasonal decline in August. Over the next 6 months, forecasted water levels range from 3 to 17 inches below 2021 levels, 3 to 6 inches below LTA levels, and 26 to 31 inches below record high water levels.

** "Water supplies" refers to the combined quantity of precipitation plus runoff minus evaporation. Also known as the net basin supply.*