



US Army Corps
of Engineers
Detroit District



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AUGUST 2022 GREAT LAKES WATER LEVEL SUMMARY

LAKE SUPERIOR

From July to August, Lake Superior continued its seasonal rise and rose 1 inch to a level of 602.53 feet. The August monthly mean level was 4 inches above the long-term average (LTA) August level, 4 inches above its 2021 August level, and 8 inches below the record high August level from 2019. Provisional water supplies* to Lake Superior for August were slightly below average, which was likely a result of below average precipitation. The 6-month water level forecast shows Lake Superior beginning its seasonal decline this month and continuing its decline over the next 6 months. From September to February, water levels are forecast to be 4 to 6 inches above last year's levels, 2 to 4 inches above LTA levels, and 4 to 17 inches above Chart Datum. Additionally, water levels are forecast to be 9 to 14 inches below record high levels over the next 6 months.

LAKE MICHIGAN-HURON

Lake Michigan-Huron declined about an inch from July to August to 580.02 feet. This monthly mean level was 8 inches above its LTA August level, 9 inches below its 2021 August level, and 25 inches below the record high August level from 2020. Water supplies* in August were slightly above average likely due to slightly above average precipitation and runoff. Lake Michigan-Huron is forecast to continue its seasonal decline throughout the next 6 months. Over the forecast horizon, water levels are forecast to be 2 to 10 inches below last year's levels but 7 to 8 inches above LTA levels. Also, the 6-month water level forecast shows water levels 26 to 33 inches below record high levels from September to February.

LAKE ST. CLAIR

Lake St. Clair declined from July to August by an inch to 575.79 feet. The August monthly mean level was 13 inches above its LTA August level, 8 inches below its 2021 August level, and 19 inches below the record high August level from 2020. The 6-month water level forecast shows Lake St. Clair continuing its seasonal decline into the winter months. Over the forecast horizon, water levels are forecast to be 6 to 14 inches below levels from last year through January and in February its forecast to be 4 inches above the level from last year. Also, over the next 6 months water levels are forecast to be 9 to 13 inches above LTA levels and remain below record high levels by 20 to 28 inches.

LAKE ERIE

From July to August, Lake Erie continued its seasonal decline and fell 2 inches to 572.67 feet. The August monthly mean level was 11 inches above its LTA August level, 9 inches below its 2021 August level, and 19 inches below the record high August level from 2019. Lake Erie's water supplies* were slightly above average in August, as was precipitation. The 6-month forecast shows Lake Erie continuing its decline into the winter months. Over the next 6 months, water levels are forecast to be 6 to 15 inches below levels from last year, and 17 to 26 inches below record high levels. Additionally, water levels are forecast to remain above LTA levels by 8 to 10 inches from September to February.

LAKE ONTARIO

Lake Ontario continued its seasonal decline from July to August and fell by 8 inches to a level of 245.21 feet. This level is 6 inches below its August LTA level, 4 inches below its August 2021 level, and 33 inches below the record high August level. Lake Ontario experienced near average water supplies* despite slightly above average precipitation in August. The 6-month forecast shows Lake Ontario will continue its seasonal decline throughout the fall. Water levels are forecast to be 3 to 7 inches below LTA levels from September to February, and 9 to 17 inches below levels from last year. Additionally, over the next 6 months water levels are forecast to be 26 to 33 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.