



US Army Corps
of Engineers
Detroit District



DETROIT DISTRICT
U.S. ARMY CORPS OF ENGINEERS
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APRIL 2022 GREAT LAKES WATER LEVEL SUMMARY

LAKE SUPERIOR

From March to April, Lake Superior began its seasonal rise and rose 3 inches to a level of 601.18 feet. The April monthly mean level was one inch below the long-term average (LTA) April level, 9 inches below last year, and 17 inches below the record high April level. Water supplies* to Lake Superior were well above average in April due to receiving almost double its average precipitation for the month. Lake Superior is forecast to continue its seasonal rise into late summer or early fall before beginning its seasonal decline. Over the next 6 months, water levels are forecast to range from 1 to 5 inches below last year's levels from May to July and from August to October be 1 to 2 inches above last year's levels. From May to October, water levels are forecast to be 0 to 1 inch above LTA levels and 6 to 14 inches above Chart Datum.

LAKE MICHIGAN-HURON

Lake Michigan-Huron also began its seasonal rise from March to April. The lake rose about 6 inches to a level of 579.63 feet. The April monthly mean level was 10 inches above its LTA level, 11 inches below last year's level, and 25 inches below the record high April level from 2020. In April, water supplies* were above average in the Lake Michigan-Huron basin likely due to above average precipitation and runoff. Lake Michigan-Huron is forecast to continue its seasonal rise into July. During the next 6 months, water levels are forecast to be 4 to 9 inches below last year's levels but remain 9 to 10 inches above average. Additionally, water levels are forecast to be 24 to 32 inches below record high levels.

LAKE ST. CLAIR

Lake St. Clair continued its seasonal rise, rising 3 inches to a level of 575.46 feet. The April monthly mean level was 13 inches above the LTA April level, 6 inches below last April's level, and 20 inches below the record high April level from 2020. The forecast indicates Lake St. Clair will continue its seasonal rise into the summer and then begin its seasonal decline. From May to October, water levels are forecast to be 5 to 14 inches below last year's levels, and 20 to 28 inches below record high levels. Also, over the next 6 months, water levels are projected to be 9 to 12 inches above LTA levels.

LAKE ERIE

Lake Erie continued its seasonal rise and rose 2 inches to a level of 572.80 feet. The April monthly mean level was 13 inches above the LTA April level, 2 inches below last year's level, and 18 inches below the record high April level from 2020. Lake Erie's water supplies* were below average in April likely due to below average precipitation and runoff. This led to the smaller rise on Lake Erie of 2 inches, when on average the lake rises 6 inches between March and April. The lake is forecast to continue its seasonal rise into June and begin its seasonal decline later this summer. Water levels over the next 6 months are forecast to be 2 to 14 inches below last year's levels but remain 9 to 12 inches above LTA levels. From May to October, water levels are projected to be 18 to 25 inches below record high levels.

LAKE ONTARIO

Lake Ontario also continued its seasonal rise from March to April and rose about 6 inches to a level of 246.49 feet. This level was 9 inches above the LTA April level, 20 inches above last year's level, and 20 inches below the record high April level. Lake Ontario also experienced below average water supplies* in April likely due to below average precipitation. Lake Ontario is forecast to continue its seasonal rise into May and then begin its seasonal decline. Over the next 6 months, water levels are forecast to range from 7 to 19 inches above last year's levels from May to July, and from August to October be 1 to 11 inches below last year's levels. Additionally, water levels are projected to range from 3 to 7 inches above LTA levels in May and June, and then range from 1 to 4 inches below LTA levels from July to October. From May to October, water levels are also forecast to remain 24 to 32 inches below record high levels.

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