



US Army Corps
of Engineers
Detroit District



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JUNE 2022 GREAT LAKES WATER LEVEL SUMMARY

LAKE SUPERIOR

From May to June, Lake Superior continued its seasonal rise and rose 5 inches to a level of 602.26 feet. The June monthly mean level was 5 inches above the long-term average (LTA) June level, 1 inch above last year, and 11 inches below the record high June level. Provisional water supplies* to Lake Superior for June were near average, while precipitation was about 70% of average. 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 3 to 6 inches above last year's levels. From July to December, water levels are forecast to be 2 to 4 inches above LTA levels and 10 to 17 inches above Chart Datum.

LAKE MICHIGAN-HURON

Lake Michigan-Huron also continued its seasonal rise from May to June. The lake rose about 2 inches to a level of 580.09 feet. The June monthly mean level was 9 inches above its LTA level, 5 inches below last year's level, and 25 inches below the record high June level from 2020. In June, water supplies* were below average in the Lake Michigan-Huron basin likely due to some areas experiencing below normal runoff and receiving below average precipitation. Lake Michigan-Huron is forecast to continue its seasonal rise into July. During the next 6 months, water levels are forecast to be 5 to 9 inches below last year's levels but remain 8 to 9 inches above LTA levels. 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 2 inches to a level of 575.95 feet. The June monthly mean level was 14 inches above the LTA June level, 3 inches below last June's level, and 19 inches below the record high June level from 2020. The forecast indicates Lake St. Clair will begin its seasonal decline in the coming month and be 9 to 11 inches above LTA levels over the next 6 months. From July to December, water levels are forecast to be 9 to 13 inches below last year's levels, and 20 to 27 inches below record high levels.

LAKE ERIE

Lake Erie continued its seasonal rise and rose about an inch to a level of 573.10 feet. The June monthly mean level was 13 inches above the LTA June level, 1 inch below last year's level, and 18 inches below the record high June level from 2019. Lake Erie's water supplies* were below average in June, while precipitation was also below average. The lake is forecast to begin its season decline in July and remain above LTA levels by 9 to 11 inches from July to December. Also, water levels over the next 6 months are forecast to be 7 to 15 inches below last year's levels, and 17 to 26 inches below record high levels.

LAKE ONTARIO

Lake Ontario continued its seasonal decline from May to June and fell by 2 inches to a level of 246.49 feet. This level was 3 inches above the LTA June level, 17 inches above last year's level, and 31 inches below the record high June level from 2019. Lake Ontario also experienced near average water supplies*, likely as a result of below average precipitation and below normal runoff in some regions of the basin, particularly the western half. Lake Ontario is forecast to continue its seasonal decline in July. Over the next 6 months, water levels are forecast to range from 7 inches above last year's levels to 15 inches below last year's levels. Additionally, water levels are projected to range from 1 to 4 inches below LTA levels from July through December. Also, water levels are forecast to remain 26 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.