



DETROIT DISTRICT
U.S. ARMY CORPS OF ENGINEERS
CELRE-HH-W
477 MICHIGAN AVENUE
DETROIT, MICHIGAN 48226

JULY 2012 GREAT LAKES WATER LEVEL SUMMARY

LAKE SUPERIOR

The average water level of Lake Superior for the month of July was 601.38 feet, which was 4 inches higher than June's level. The July level was 3 inches above chart datum, 8 inches below its long-term average (LTA), and 2 inches above the level of last year. Lake Superior's outflow through the St. Mary's River was below average in July. Precipitation within the lake's basin was below average in July, at 82% of average, and over the past 12 months has been below average at 94% of average. Lake Superior is forecasted to continue its seasonal rise until September, rising to 4 inches above chart datum over the next two months, then falling to 5 inches below chart datum in January. Over the next six months, Lake Superior is forecasted to range from 1 to 4 inches above last year's levels. The water levels will remain around 9 inches below their LTA through January.

LAKE MICHIGAN-HURON

Lake Michigan-Huron's monthly mean level for July was 577.56 feet, which was 1 inch lower than June's level. The level for July was 1 inch above chart datum, 9 inches below its level of last year and 21 inches below its LTA. Precipitation on the Lake Michigan-Huron basin was 90% of average in July and 94% of average over the past 12 months. Lake Michigan-Huron's outflow through the St. Clair River was below average in July. Lake Michigan-Huron is forecasted to range from 1 to 10 inches below chart datum over the next six months. The water levels are expected to be 21 to 22 inches below their LTA through January and range 7 to 10 inches below last year's levels.

LAKE ST. CLAIR

Lake St. Clair's monthly mean water level for July of 573.95 feet was 2 inches below June's level. During July, Lake St. Clair was 11 inches below last year's level and 10 inches below its LTA. Lake St. Clair's outflow through the Detroit River was below average during July. Lake St. Clair water levels are projected to range 13 to 19 inches below last year's levels over the next six months and the water levels are forecasted to be 9 to 13 inches below their LTA through January.

LAKE ERIE

Lake Erie's average water level was 571.33 feet in July, which was 3 inches below the level of June. July's water level was 13 inches below last year's level and 7 inches below its LTA. The Lake Erie basin received 83% of average precipitation for July and has received 112% of average precipitation over the last 12 months. The outflow from Lake Erie into the Niagara River was below average during July. Lake Erie is forecasted to be 13 to 25 inches below its levels of a year ago through January. The lake is projected to be 8 to 9 inches below its LTA over the next six months.

LAKE ONTARIO

The level of Lake Ontario for July was 4 inches below June's level with a mean of 245.37 feet. Lake Ontario's July water level was 14 inches below last year's level and 8 inches below its LTA. Lake Ontario received below average precipitation in July, with the total being 71% of average. During the last 12 months, precipitation over the basin has been 90% of average. Lake Ontario's outflow through the St. Lawrence River was below average in July. The lake is forecasted to range 6 to 14 inches below its levels of a year ago through January. Lake Ontario is projected to be 4 to 8 inches below its LTA over the next six months.