



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

JULY 2015 GREAT LAKES WATER LEVEL SUMMARY

LAKE SUPERIOR

Lake Superior continued its seasonal rise in July. Its monthly mean level of 602.62 ft in July was 2 inches higher than its mean level in June. In addition, the lake's July mean level was 1 inch above its level of a year ago, 18 inches above chart datum, and 7 inches above its long-term average (LTA). The Lake Superior basin received precipitation that was 13% below its average July precipitation, and has experienced near average precipitation over the last 12 months. The Lake Superior level is projected to be 7 to 18 inches above chart datum over the next 6 months. The lake is predicted to remain at its level of a year ago through August, but then fall to 0 to 6 inches below last year's levels through January. Lake Superior's level is forecasted to be 3 to 6 inches above LTA over the next 6 months.

LAKE MICHIGAN-HURON

Lake Michigan-Huron continued its rise in July. Its mean level rose 4 inches in July, from 579.66 ft to 579.82 ft. The lake's level was 6 inches above average, 28 inches above chart datum and 11 inches above its level of a year ago. July was the eleventh consecutive month with above average water levels after a 15 year stretch of continuously below average conditions. Lake Michigan-Huron received 2.19 inches of precipitation in July, which was about 72% of average for the month. It has experienced near average precipitation during the past 12 months. Over the next six months, Lake Michigan-Huron is projected to be 1 inch below to 9 inches above last year's levels, and 7 to 8 inches above LTA over the next 6 months. In addition, the lake is predicted to be 18 to 27 inches above chart datum through January.

LAKE ST. CLAIR

Lake St. Clair continued its seasonal rise in July. Lake St. Clair's mean water level rose 5 inches in July to a level of 575.98 ft. The lake's mean level in July was 12 inches above its level of a year ago and 15 inches above LTA. Lake St. Clair is forecasted to be 0 to 9 inches above last year's levels over the next 6 months. Lake St. Clair is also forecasted to be 9 to 13 inches above its LTA through January. Instead of beginning its seasonal decline, Lake St. Clair continued to rise in July due to consecutive months of above average net basin supplies.

LAKE ERIE

Lake Erie continued its seasonal rise in July as its mean level rose 8 inches from 572.60 ft in June to 573.29 ft in July. The lake's July mean level was 13 inches above last year's mean level and 17 inches above its LTA. Despite receiving near average rainfall for the month of July, Lake Erie had a very high net basin supply which resulted in a significant rise in lake level. Lake Erie is projected to be 3 to 11 inches above its level of a year ago through January. In addition, the lake is expected to be 10 to 16 inches above its LTA through January. Lake Erie continued to rise in July due to a second consecutive month of above average net-basin supplies which has delayed its seasonal decline by at least a month.

LAKE ONTARIO

Lake Ontario's continued its seasonal rise in July. Its monthly mean level of 246.75 ft was 8 inches higher than its mean level in June. The lake's July level was 5 inches higher than its level of a year ago and 8 inches above its LTA. The Lake Ontario basin received 69% of its average July precipitation, and has experienced only 83% of average precipitation over the past 12 months. Lake Ontario is projected to be 1 to 6 inches above last year's level through January. In addition, the lake is forecasted to be between 2 inches below and 9 inches above LTA through January.