



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

## **JULY 2013 GREAT LAKES WATER LEVEL SUMMARY**

### **LAKE SUPERIOR**

The monthly mean water level of Lake Superior was 601.61 feet for the month of July, which is a rise of 4 inches from June's level. The average rise for Lake Superior from June to July is 2 inches. The July level was 3 inches above its level of last year, 6 inches above chart datum, and 5 inches below long-term average (LTA). Lake Superior continues its 14 year stretch of below LTA water levels, the longest period of below average levels in its recorded history dating back to 1918. Precipitation on the Lake Superior basin was above average in July at 161%. The water level of Lake Superior is forecasted to be 12 to 18 inches above record low water levels over the next six months. The Superior level is expected to be 3 to 10 inches above chart datum through December and at chart datum in January. The water levels are forecasted to be 7 to 11 inches above last year's levels and 3 to 4 inches below LTA over the next six months.

### **LAKE MICHIGAN-HURON**

The average water level of Lake Michigan-Huron for the month of July was 577.72 feet, which is 2 inches higher than the June monthly mean. The average change for Lake Michigan-Huron from June to July is a 1 inch rise. The July level was 3 inches above datum, 2 inches above its level of last year, and 19 inches below its LTA. Lake Michigan-Huron also continues a 14 year stretch of below average levels, the longest in its period of record. Precipitation on the Lake Michigan-Huron basin was near average in July and has been above average over the last 12 months. The water level of Lake Michigan-Huron is forecasted to be 4 to 12 inches above last year's level through January and 11 to 12 inches above record lows over the next six months. Michigan-Huron is expected to be 1 to 2 inches above chart datum through September, at chart datum in October, and 2 to 6 inches below chart datum for November through January. Michigan-Huron is expected to remain 16 to 19 inches below LTA over the next six months.

### **LAKE ST. CLAIR**

Lake St. Clair's monthly mean water level for July was 574.48 feet, which was 4 inches above June's level. During July, Lake St. Clair was 6 inches above its levels of a year ago and 3 inches below LTA. Lake St. Clair is forecasted to be 6 to 9 inches above last year's levels through January. The lake is expected to remain 5 to 7 inches below LTA over the next six months.

### **LAKE ERIE**

Lake Erie's average water level was 572.01 feet in July, which was 5 inches above June's level. July's water level was 8 inches above last year's level and 2 inches above LTA. The Lake Erie basin received above average precipitation in July at 149%. Lake Erie is forecasted to be 3 to 9 inches above its levels of a year ago through January. The water levels are expected to range between 4 inches below and 1 inch above LTA over the next six months.

### **LAKE ONTARIO**

The monthly mean water level of Lake Ontario for July was 246.52 feet, which was 2 inches above June's level. The July water level was 14 inches above last year's level and 6 inches above LTA. Lake Ontario received above average precipitation in July at 119%. The total precipitation over the last 12 months has been near average. The Lake is forecasted to be 5 to 13 inches above last year's levels through January. Lake Ontario's water level is projected to range between 2 inches below and 4 inches above LTA over the next six months.