

# ARMY CORPS OF ENGINEERS WEEKLY GREAT LAKES WATER LEVEL UPDATE

Aug 18, 2017

## WEATHER CONDITIONS

Last week near average temperatures were seen throughout most of the Great Lakes basin while precipitation was slightly below average for the region. There is a slight chance for precipitation to end the workweek, while a high pressure system will build over the weekend. Early next week there is a low pressure system expected to move through the basin on Monday and Tuesday, which is expected to bring some rain. Other than that, it is expected to be relatively dry with seasonable temperatures across the basin

## LAKE LEVEL CONDITIONS

Each of the Great Lakes is above its long term average for August, but only Lake Superior saw an increase in levels from last month of 1 inch. Lakes Michigan-Huron saw no change from last month's level and Lake St. Clair, Lake Erie and Lake Ontario experienced level drops of 2, 5 and 10 inches, respectively. As the summer progresses, the Great Lakes system is expected to see the lakes begin their seasonal decline. Lake Superior, Michigan-Huron, St. Clair, Erie and Ontario are expected to decline 1, 2, 4, 5, and 10 inches, respectively, over the next month. See our [Daily Levels](#) web page for more water level information.

## FORECASTED MONTHLY OUTFLOWS/CHANNEL CONDITIONS

Lake Superior's outflow through the St. Marys River is projected to be above average in August. Lake Michigan-Huron's outflow into the St. Clair River, and Lake St. Clair's outflow through the Detroit River are also predicted to be above average. Lake Erie's outflow into the Niagara River is forecasted to be above average, and outflow of Lake Ontario into the St. Lawrence River is projected to be above average for the month of August as well.

## ALERTS

Official records are based on monthly average water levels and not daily water levels. Users of the Great Lakes, connecting channels and St. Lawrence River should keep informed of current conditions before undertaking any activities that could be affected by changing water levels. Mariners should utilize navigation charts and refer to current water level readings. Ice information can be found at the National Ice Center's [website](#).

	SUPERIOR	MICH-HURON	ST. CLAIR	ERIE	ONTARIO
Forecasted Water Level for Aug 18, 2017 (feet)	602.92	580.71	576.31	573.20	247.47
Chart Datum (feet)	601.10	577.50	572.30	569.20	243.30
Difference from chart datum (inches)	+22	+39	+48	+48	+50
Difference from average water level for Jul 18, 2017 (inches*)	+1	0	-2	-5	-10
Difference from average water level for Aug 18, 2016 (inches*)	+3	+7	+7	+10	+23
Difference from long-term monthly average of Aug (inches)	+9	+18	+20	+18	+22
Difference from highest monthly average of record for Aug (inches)	-4	-15	-9	-9	-6
Year of highest recorded monthly mean	1952	1986	1986	1986	1947
Difference from lowest monthly average of record for Aug (inches)	30	48	49	50	56
Year of lowest recorded monthly mean	2007	1964	1934	1934	1934
Projected change in levels by Sep 18, 2017 (inches)	-1	-2	-4	-5	-10

ALL DATA SHOWN IN THIS SUMMARY ARE REFERENCED TO IGLD 1985  
 \*VALUES FOR SPECIFIC DAY ARE BASED ON 3-DAY DAILY AVERAGE AROUND SPECIFIED DATE  
 LONG TERM AVERAGE PERIOD OF RECORD, 1918-2016

FORECASTED INFORMATION PROVIDED Department of the Army Detroit District, Corps of Engineers <a href="#">Detroit District Home</a> 1-888-694-8313 ext. 1	RECORDED DATA (1918 – present) provided by <a href="#">NOAA, Great Lakes Online</a> (301) 713-9596	FOR MORE INFORMATION VISIT <a href="#">Detroit District Great Lakes Homepage</a> <a href="#">International Joint Commission</a> <a href="#">Great Lakes Information Network</a>
---	---	--