

ARMY CORPS OF ENGINEERS WEEKLY GREAT LAKES WATER LEVEL UPDATE

Jun 16, 2017

WEATHER CONDITIONS

Over the past week, temperatures rose to above normal levels in the Great Lakes basin. Over the last week, most of the Great Lakes Basin saw significant precipitation with the exception of Lake Ontario, which was relatively dry. Currently, June precipitation is below average in all lake basins, except for Lake Michigan, which is 105% of average. Heading into the weekend expect precipitation throughout the Great Lakes Basin as well as continued high temperatures. Temperatures should cool down slightly heading into the workweek.

LAKE LEVEL CONDITIONS

The lake levels across all the lakes are currently above their long-term June average levels. All of the levels are also above last year's levels. Over the last month, Lakes Superior, Michigan-Huron, St. Clair, and Erie rose 5, 3, 2, and 1 inches, respectively, while Lake Ontario dropped 1 inch. In the coming month, Lakes Superior and Michigan-Huron are expected to rise 2 and 1 inches, respectively, Lake St. Clair is expected to be near its current level, and Lake Erie is expected to drop 3 inches. Lake Ontario is also expected to drop 8 inches. See our [Daily Levels web page](#) for more water level information.

FORECASTED MONTHLY OUTFLOWS/CHANNEL CONDITIONS

Lake Superior's outflow through the St. Mary's River is projected to be above average in June. 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 June 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 Jun 16, 2017 (feet)	602.56	580.25	576.21	573.62	248.79
Chart Datum (feet)	601.10	577.50	572.30	569.20	243.30
Difference from chart datum (inches)	+18	+33	+47	+53	+66
Difference from average water level for May 16, 2017 (inches*)	+5	+3	+2	+1	-1
Difference from average water level for Jun 16, 2016 (inches*)	+2	+1	+4	+9	+32
Difference from long-term monthly average of Jun (inches)	+9	+13	+18	+20	+31
Difference from highest monthly average of record for Jun (inches)	-4	-19	-11	-8	+3
Year of highest recorded monthly mean	1986	1986	1986	1986	1952
Difference from lowest monthly average of record for Jun (inches)	32	43	46	55	65
Year of lowest recorded monthly mean	1926	1964	1934	1934	1935
Projected change in levels by Jul 16, 2017 (inches)	+2	+1	0	-3	-8

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 Detroit District Home 1-888-694-8313 ext. 1	RECORDED DATA (1918 – present) provided by NOAA, Great Lakes Online (301) 713-9596	FOR MORE INFORMATION VISIT Detroit District Great Lakes Homepage International Joint Commission Great Lakes Information Network
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