



US Army Corps
of Engineers
North Central Division

GREAT LAKES LEVELS
UPDATE No. 47
JUNE 2, 1989

Rainfall in the Great Lakes basin was above average in May. Lake Superior was near dry; Lakes Michigan-Huron, near average; Lakes Erie and Ontario, very wet. The reader is referred below to the table of estimated rainfall for the month of May.

Provisional
Great Lakes Precipitation (inches)

Basin	1989*	1900-88		% of Ave.
		Average	Diff.	
Superior	2.4	2.7	-0.3	90%
Mich-Huron	3.2	3.0	+0.2	105%
Erie	5.5	3.2	+2.3	170%
Ontario	4.4	3.0	+1.4	145%
Great Lakes	3.4	2.9	+0.5	115%

* Estimated

The National Weather Service forecasts rainfall in June to be above average for Lakes Superior, Michigan and Huron basins; and near average elsewhere. The forecast for temperatures in June is above average for the Lakes Erie and Ontario basins and near average elsewhere.

Water levels, except Lakes Michigan-Huron, are somewhat above average for this time of year. They are expected to remain close to seasonal levels, barring the onset of either drought or extremely wet conditions. Lake Erie rose seven inches in May primarily because of heavy rains the last third of the month. Lake Ontario rose a foot logging a mean of 245.51 feet, which is close to monthly long-term average. The International St. Lawrence River Board of Control ended reduced outflows from Lake Ontario as of 19 May, because of the improvement of Lake Ontario levels.

The navigation season sometimes prompts commercial shipping interests, marina operators and private slip owners to dredge. Before dredging, a Department of Army permit is required under Section 10 of the Rivers and Harbors Act, and possibly Section 404 of the Clean Water Act, depending on the location of the dredged material disposal site.

To get prompt action on such requests, applications should be complete: this includes an application form, drawings indicating the location of the project, its purpose, quantities, dimensions (length, width, and depth), method of dredging (mechanical or hydraulic), and the place where the dredged materials will be discharged. In some cases, testing of bottom sediments for contaminants may be required. In addition, permits are required for many other activities, such as constructing docks or bulkheads, placing mooring piles or fills. To determine if a permit is required for your activity, call the area District Office (indicated on the reverse side of this letter).

THEODORE VANDER ELS
Brigadier General, USA
Commanding

For information on permits, call the District Office indicated below:

For NY, PA & OH: Buffalo District (716) 876-5454	For MI & IN: Detroit District (313) 226-2218	For IL: Chicago District (312) 353-6428	For MN & WI: St. Paul District (612) 220-0375
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For Great Lakes basin technical assistance or information on matters other than permits, please contact one of the following Corps of Engineers District Offices:

For NY, PA & OH: Colonel Hugh F. Boyd III Cdr, Buffalo District 1776 Niagara Street Buffalo, NY 14207-3199 (716) 876-5454, Ext. 2201	For MI, MN, & WI: Colonel John D. Glass Cdr, Detroit District P.O. Box 1027 Detroit, MI 48231-1027 (313) 226-6440 or 6441	For IL & IN: LTC Jess J. Franco Jr. Cdr, Chicago District 219 S. Dearborn St. 6th Floor Chicago, IL 60604-1797 (312) 353-6400
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