



Monthly Newsletter

JULY 1999

During the month of June precipitation was above average on the basin, while the remaining Great Lakes basins received below average month of June. For the year to date, precipitation is above average on Michigan-Huron basins, while precipitation on the Lake Erie and Ontario below average respectively. The net supply of water was below average Lakes.

In comparison to their long-term (1918-1998) averages, the June levels of lakes Superior, Michigan-Huron, St. Clair, Erie and Ontario were inches, respectively, below average. Shoreline residents are cautioned adverse weather conditions exist, as these could cause rapid short-term

A more detailed summary of Great Lakes water levels follows. All referenced to International Great Lakes Datum 1985 (IGLD 1985). The (1900-present) were furnished by the U.S. Department of Commerce, Service, Silver Spring, Maryland.

Lake Superior at the end of June was at elevation 601.48 feet (183 mean water level at Rimouski, Quebec, or about 5 inches (13 cm.) above monthly mean level of 601.41 feet (183.31 meters) was about 6 inches long-term average for June. The lake was about 18 inches (45 cm.) below monthly mean level, which was recorded in 1986. The forecast shows mean level of Lake Superior will be about 2 inches (5 cm.) above what is expected to complete its seasonal rise in September. The mean water 1999 is expected to be about 5 inches (13 cm.) below the long-term average about 4 inches (11 cm.) above what it was at the same time in 1998.

Lakes Michigan-Huron at the end of June were at elevation 578.58 the mean water level at Rimouski, Quebec, or about 13 inches (35 cm.) above June monthly mean level of 578.54 feet (176.34 meters) was about 1 inch long-term average for June. The lakes were about 39 inches (99 cm.) above June monthly mean level, which was recorded in 1986. The forecast shows mean level of Lakes Michigan-Huron will be about 1 inch (2 cm.) above lakes are expected to complete their seasonal rise in July. The mean 1999 is expected to be about 11 inches (28 cm.) below the long-term average about 9 inches (24 cm.) below what it was at the same time in 1998.

Lake St. Clair at the end of June was at elevation 574.61 feet (175. mean water level at Rimouski, Quebec, or about 28 inches (74 cm.) above

June monthly mean level of 574.48 feet (175.10 meters) was about 4 long-term average for June. The lake was about 32 inches (82 cm.) below the monthly mean level, which was recorded in 1986. The forecast shows mean level of Lake St. Clair will be about 2 inches (6 cm.) below what is expected to complete its seasonal decline in December. The mean water level in 1999 is expected to be about 6 inches (15 cm.) below the long-term average and about 6 inches (14 cm.) below what it was at the same time in 1998.

Lake Erie at the end of June was at elevation 571.75 feet (174.27 meters), mean water level at Rimouski, Quebec, or about 31 inches (77 cm.) below the June monthly mean level of 571.78 feet (174.28 meters) was about 2 long-term average for June. The lake was about 30 inches (76 cm.) below the monthly mean level, which was recorded in 1986. The forecast shows mean level of Lake Erie will be about 2 inches (4 cm.) below what it was expected to continue its seasonal decline into November. The mean water level in 1999 is expected to be about 4 inches (9 cm.) below the long-term average and about 5 inches (13 cm.) below what it was at the same time in 1998.

Lake Ontario at the end of June was at elevation 245.34 feet (74.78 meters), mean water level at Rimouski, Quebec, or about 24 inches (58 cm.) below the June monthly mean level of 245.34 feet (74.78 meters) was about 10 long-term average for June. The lake was about 39 inches (98 cm.) below the monthly mean level, which was recorded in 1952. The forecast shows mean level of Lake Ontario will be about 1 inch (2 cm.) above what it was expected to complete its seasonal rise in August. The mean water level is expected to be about 3 inches (7 cm.) below the long-term average and 17 inches (17 cm.) above what it was at the same time in 1998.

For further information:

Contact the Great Lakes Hydraulics and Hydrology Branch, U.S. Army Engineers, Detroit District, 477 Michigan Avenue, Detroit, Michigan, 48201, phone at (313) 226-6443/6440. A digital version of this product (and other products) is available on the Internet through our web page at: <http://www.lre.usace.army.mil/levels/tnewsletter.html>. Our web page will be updated during the next several months, so check back often to see many exciting additions.

A six-month forecast of Great Lakes water levels is made under the direction of the Coordinating Committee on Great Lakes Basic Hydraulic and Hydrology, U.S. Army Corps of Engineers and Environment Canada. It is published in the Monthly Bulletin of Lake Levels for the Great Lakes, a graphical presentation of lake levels past, present and future. Copies are available at the address above.

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**Maintained by Demetrius Lindsay; hhpm@huron.lre.usace.army.mil
Send mail if you have comments or suggestions.**

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