

# GREAT LAKES, CONNECTING CHANNELS AND ST. LAWRENCE RIVER WATER LEVELS AND DEPTHS

Department of the Army, Detroit District Corps of Engineers

Expected water levels on the Great Lakes, Connecting Channels and the St. Lawrence River, as well as the period-of-record average levels for the Great Lakes, are given in inches above (+) or below (-) Low-Water Datum (LWD). LWD is a plane of reference on a navigation chart. It is also known as Chart Datum. LWD elevations shown below are given in International Great Lakes Datum, 1985 (IGLD 1985). This information is on the World Wide Web at <http://www.lre.usace.army.mil/ghh/forecasts>

	Period of record average levels (1900-2007)	Expected Levels	Period of record average levels (1900-2007)	Expected Levels	Low Water Datum
	<u>JAN 5</u>	<u>JAN 5 2009</u>	<u>JAN 20</u>	<u>JAN 20 2009</u>	<u>IGLD 1985</u>
<b>GREAT LAKES</b>					
Lake Ontario	16	19	16	19	243.3
Lake Erie	19	22	18	21	569.2
Lake St. Clair	16	23	14	19	572.3
Lake Michigan-Huron	13	0	12	0	577.5
Lake Superior	6	-1	5	-2	601.1
<b>ST. LAWRENCE RIVER</b>					
(0) Above Long Sault Dam		52		48	237.9
(1) Above Iroquois Dam		35		32	240.3
(2) Ogdensburg		29		27	242.4
(2.1) Alexandria Bay		23		22	243.0
(3) Head of river at Cape Vincent		19		19	243.3
<b>DETROIT RIVER</b>					
(4) Lake Erie at Pelee Passage		22		21	569.2
(5) Mouth of River at Gibraltar		22		19	569.5
(6) Head of River above Belle Isle		23		19	572.0
<b>ST. CLAIR RIVER</b>					
(7) Mouth of River at St. Clair Flats		23		19	572.3
(8) Algonac		18		15	572.2
(9) St. Clair		11		8	574.4
(10) Blue Water Bridge		4		3	576.7
(11) Head of River at Fort Gratiot		0		0	577.2
(12) Lake Huron Approach Channel		0		0	577.2
<b>ST. MARYS RIVER</b>					
(13) Mouth of River at Detour		0		0	577.5
(14) West and Middle Neebish		4		3	577.6
(15) Head of Little Rapids		2		1	578.2
(16) U.S. Slip		0		-1	578.7
(17) Above Locks		0		-1	600.4
(18) Head of River at Point Iroquois		-1		-2	601.1

Available water depth is determined for a location by adding (if+) or subtracting (if-) the amount from the above table to the appropriate channel depth shown in the profile on the backside of this table or to water depths shown on National Oceanic and Atmospheric Administration (NOAA) navigational charts.

**CAUTION:** Depths so determined are representative of a still water surface elevation, disturbed by neither wind nor other causes. Depths, however, may be reduced or increased as much as several feet for short periods due to these disturbances, or when sections of channels develop shoals. Vessel masters should refer to "Local Notice to Mariners" for extent of shoaling and scattered bedrock projections in all channels

FOR FURTHER INFORMATION DIRECT INQUIRES TO:

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WATER LEVEL INFORMATION SUPPLIED BY:

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