

Water Levels Forecast



Forecast of monthly mean lake levels for the next six months grouped as:

- ☐ **high level** (there is a 5% probability of exceeding this level)
- ☐ **most probable level** (there is a 50% probability of exceeding this level)
- ☐ **low level** (there is a 95% probability of exceeding this level)



Water levels are collected by CHS for the Canadian gauges and by NOS/NOAA for the American gauges. Six month forecasts of the probable range of future levels are prepared under the auspices of the International Coordinating Committee on Great Lakes Basic Hydraulic and Hydrologic Data by Environment Canada, Great Lakes-St. Lawrence Regulation Office in Cornwall and the U.S. Army Corps of Engineers, Detroit District.

Forecast Beginning 1 October 1999

Monthly Mean Water Level IGLD 1985 (metres above Chart Datum IGLD 1985)

For Exceedence Probability Shown

LAKE SUPERIOR			
MONTH	5%	MOST PROBABLE	95%
OCTOBER	183.44 (0.24)	183.40 (0.20)	183.83 (0.18)
NOVEMBER	183.44 (0.24)	183.36 (0.16)	183.30 (0.10)
DECEMBER	183.39 (0.19)	183.28 (0.08)	183.21 (0.01)
JANUARY	183.32 (0.12)	183.21 (0.01)	183.12 (-0.08)
FEBRUARY	183.27 (0.07)	183.16 (-0.04)	183.06 (-0.14)
MARCH	183.26 (0.06)	183.14 (-0.06)	183.02 (-0.18)
(CHART DATUM 183.20 IGLD 1985)			
LAKE HURON			
MONTH	5%	MOST PROBABLE	95%
OCTOBER	176.22 (0.22)	176.18 (0.18)	176.16 (0.16)

NOVEMBER	176.23 (0.23)	176.13 (0.13)	176.06 (0.06)
DECEMBER	176.22 (0.22)	176.08 (0.08)	175.97 (-0.03)
JANUARY	176.22 (0.22)	176.04 (0.04)	175.91 (-0.09)
FEBRUARY	176.22 (0.22)	176.02 (0.02)	175.87 (-0.13)
MARCH	176.26 (0.26)	176.04 (0.04)	175.86 (-0.14)
(CHART DATUM 176.00 IGLD 1985)			
		LAKE ST. CLAIR	
MONTH	5%	MOST PROBABLE	95%
OCTOBER	174.89 (0.49)	174.82 (0.42)	174.78 (0.38)
NOVEMBER	174.88 (0.48)	174.76 (0.36)	174.66 (0.26)
DECEMBER	174.93 (0.53)	174.75 (0.35)	174.58 (0.18)
JANUARY	174.96 (0.56)	174.74 (0.34)	174.54 (0.14)
FEBRUARY	174.98 (0.58)	174.73 (0.33)	174.52 (0.12)
MARCH	175.06 (0.66)	174.79 (0.39)	174.56 (0.16)
(CHART DATUM 174.40 IGLD 1985)			
		LAKE ERIE	
MONTH	5%	MOST PROBABLE	95%
OCTOBER	174.02 (0.52)	173.96 (0.46)	173.92 (0.42)
NOVEMBER	174.02 (0.52)	173.88 (0.38)	173.78 (0.28)
DECEMBER	174.06 (0.56)	173.88 (0.38)	173.70 (0.20)
JANUARY	174.12 (0.62)	173.87 (0.37)	173.64 (0.14)
FEBRUARY	174.14 (0.64)	173.88 (0.38)	173.61 (0.11)
MARCH	174.25 (0.75)	173.96 (0.46)	173.68 (0.18)
(CHART DATUM 173.50 IGLD 1985)			
		LAKE ONTARIO	
MONTH	5%	MOST PROBABLE	95%
OCTOBER	74.58 (0.38)	74.50 (0.30)	74.44 (0.24)
NOVEMBER	74.63 (0.43)	74.46 (0.26)	74.30 (0.10)

DECEMBER	74.62 (0.42)	74.44 (0.24)	74.18 (-0.02)
JANUARY	74.72 (0.52)	74.44 (0.24)	74.08 (-0.12)
FEBRUARY	74.78 (0.58)	74.48 (0.28)	74.02 (-0.18)
MARCH	74.85 (0.65)	74.58 (0.38)	74.04 (-0.16)
(CHART DATUM 74.20 IGLD 1985)			
		MONTREAL HARBOUR	
MONTH	5%	MOST PROBABLE	95%
OCTOBER	5.71 (0.16)	5.51 (-0.04)	5.27 (-0.28)
NOVEMBER	6.40 (0.85)	5.74 (0.19)	5.29 (-0.26)
DECEMBER	6.47 (0.92)	5.85 (0.30)	5.38 (-0.17)
JANUARY	6.85 (1.30)	6.07 (0.52)	5.65 (0.10)
FEBRUARY	6.90 (1.35)	6.07 (0.52)	5.58 (0.03)
MARCH	7.12 (1.57)	6.08 (0.53)	5.41 (-0.14)
(CHART DATUM 5.55 IGLD 1985)			

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