



# INTERNATIONAL GREAT LAKES DATUM



The International Great Lakes Datum (IGLD) is a common vertical reference used throughout the Great Lakes - St. Lawrence River system to measure water levels. IGLD was first released as IGLD (1955) in 1961 by the Coordinating Committee on Great Lakes Basic Hydraulic and Hydrologic Data. To account for the movements of the Earth's surface, IGLD (1955) was updated to IGLD (1985) in 1992. The Coordinating Committee plans to replace IGLD (1985) with IGLD (2020) in 2027.



## 230

Water Level Stations  
Referenced to IGLD

## PERIODIC UPDATES

Every 25-35 years

## 2027

Year IGLD Will  
Be Updated

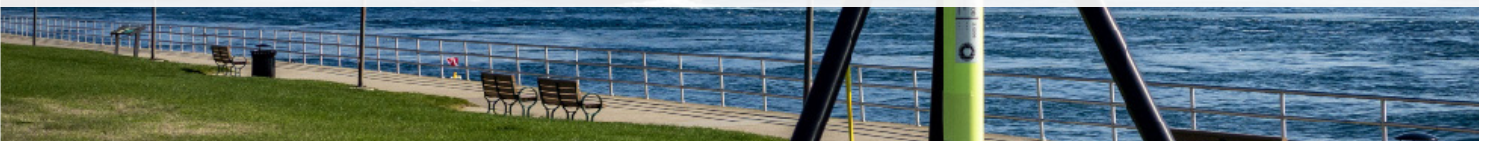
Visit [www.greatlakescc.org](http://www.greatlakescc.org) to follow the IGLD (2020) progress and learn more!



# INTERNATIONAL GREAT LAKES DATUM



The International Great Lakes Datum (IGLD) is a common vertical reference used throughout the Great Lakes - St. Lawrence River system to measure water levels. IGLD was first released as IGLD (1955) in 1961 by the Coordinating Committee on Great Lakes Basic Hydraulic and Hydrologic Data. To account for the movements of the Earth's surface, IGLD (1955) was updated to IGLD (1985) in 1992. The Coordinating Committee plans to replace IGLD (1985) with IGLD (2020) in 2027.



## 230

Water Level Stations  
Referenced to IGLD

## PERIODIC UPDATES

Every 25-35 years

## 2027

Year IGLD Will  
Be Updated

Visit [www.greatlakescc.org](http://www.greatlakescc.org) to follow the IGLD (2020) progress and learn more!

# IMPACTS OF THE IGLD



Dredging in harbors and navigational improvement projects



Dam / lock operations and decision tools



Chart depth references and under keel clearance



Low Water Datum: the reference for water depths on nautical charts



Ecosystem management and restoration



Future surface water modeling and river management



Permits issued by federal agencies



Shoreline permits and datums



Regulation of water flow between Great Lakes



Flooding and erosion control reference heights



Geodetic leveling to be augmented by GNSS



Updated transformation models and tools to convert between datums

Visit [www.greatlakescc.org](http://www.greatlakescc.org) to follow the IGLD (2020) progress and learn more!



# IMPACTS OF THE IGLD



Dredging in harbors and navigational improvement projects



Dam / lock operations and decision tools



Chart depth references and under keel clearance



Low Water Datum: the reference for water depths on nautical charts



Ecosystem management and restoration



Future surface water modeling and river management



Permits issued by federal agencies



Shoreline permits and datums



Regulation of water flow between Great Lakes



Flooding and erosion control reference heights



Geodetic leveling to be augmented by GNSS



Updated transformation models and tools to convert between datums

Visit [www.greatlakescc.org](http://www.greatlakescc.org) to follow the IGLD (2020) progress and learn more!

