Great Lakes Water Levels Media Teleconference
Wednesday, December 10, 1:45 – 2:45 p.m. ET

CALL-IN INFORMATION:
1-888-809-8974  NEW NUMBER
PASSCODE: GREAT LAKES
Monica Allen, NOAA Communications, 301-734-1123 monica.allen@noaa.gov
Lynn Rose, USACE Chief of Public Affairs, 313-226-4680 lynn.m.rose@usace.army.mil

Deborah Lee, NOAA Great Lakes Environmental Research Laboratory (GLERL), Director
EXPERTISE: Regional water resource management planning

Stephen Gill, NOAA Center for Operational Oceanographic Products and Services
EXPERTISE: Water level measurement tools, Sea level rise

Drew Gronewold, NOAA GLERL, Hydrologist
EXPERTISE: Water levels research

Keith Kompoltowicz, US Army Corps of Engineers, Detroit District,
Chief of Watershed Hydrology for the Corps of Engineers, Detroit District
EXPERTISE: Water levels forecast, International coordination of Great Lakes water levels regulation in conjunction with International Joint Commission

James Noel, NOAA National Weather Service, Ohio River Forecasting Center
EXPERTISE: Weather systems, River forecasting and climate
Great Lakes US and Canadian long-term water level station network

- 87 stations: 53 US, 34 Canada
- 24 have meteorological sensors
- 22 have continuous GPS systems

http://tidesandcurrents.noaa.gov/stations.html?type=Water+Levels
http://www.tides.gc.ca/eng/find/region/6
http://tidesandcurrents.noaa.gov/ports/index.html?port=sl
Real-time current meters operated by NOAA/NOS/CO-OPS

Maumee River current meter

St. Clair River current meter

Cuyahoga River current meter

http://tidesandcurrents.noaa.gov/cdata/StationList?type=Current+Data&filter=active&pid=4
Seasonal monthly-average water levels for Lake Superior and Lake Michigan-Huron. Top panels include monthly average water level departures from January levels for each 24-month period on record starting in January and ending in the following December (blue lines) as well as the average seasonal water level anomaly (black line); water levels from January 2013 through November 2014 are presented as red dots. Bottom panels include historical water level differences from one month to the next, with red horizontal dashes representing month-to-month differences from January 2013 through November 2014. From Gronewold et al., Eos, Transactions, American Geophysical Union, in review.
## LAKE SUPERIOR WATER LEVELS - DECEMBER 2014

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<thead>
<tr>
<th>Ft.</th>
<th>DEC</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
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**Legend**

- **Recorded**
- **Projected**
- **Average**:
  - 1985
  - 1985
  - 1973
  - 1973
- **Maximum**:
  - 1934
  - 1934
- **Minimum**:
  - 1936
  - 1926

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**Chart Datum 601.7 Feet (183.2 Meters)**
LAKES MICHIGAN–HURON WATER LEVELS – DECEMBER 2014

CHART DATUM 577.5 FEET (176.0 METERS)

LAKES MICHIGAN–HURON

AVERAGE **
1985 1985
1973 1973

MAXIMUM **
1936 1934
1926 1934

MINIMUM **

** Average, Maximum and Minimum for period 1918-2013
<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
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<th>Sep</th>
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</tbody>
</table>

**Legend**

- **Recorded Lake Levels**
- **Maximum**
- **Minimum**

**Average, Maximum, and Minimum for period 1918-2013**
Online tools

NOAA Lake Level Viewer
http://coast.noaa.gov/digitalcoast/tools/llv

NOAA Great Lakes Hydro-Climate Dashboard visualization tool
http://www.glerl.noaa.gov/data/hcdb

Agency water levels web sites

Forecast Bulletins - US Army Corps of Engineers

Forecast Bulletins - Environment Canada
https://www.ec.gc.ca/eau-water/default.asp?lang=En&n=79962112-1

Great Lakes Operational Forecasting System Water Level Data
http://tidesandcurrents.noaa.gov/ofsglofs.html

Great Lakes Water Levels NOAA GLERL
http://www.glerl.noaa.gov/data/now/wlevels/levels.html
Lake Level Viewer – Socioeconomic overlays

Lake Level Viewer – Estimates of mapping product confidence
Regions identified as gaps in NWLON coverage

Questions?