

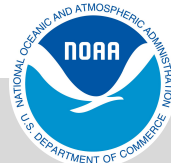
NOAA and Great Lakes Water Levels



NOAA's water level monitoring stations, like the Mackinaw City one pictured here, collect extremely precise water level data many times a day.

The National Oceanic and Atmospheric Administration (NOAA) plays a major role in monitoring, researching, and forecasting water levels in the Great Lakes and prioritizes making water level data and products publicly available. NOAA offices throughout the region provide critical warnings to the public in the event of river and lakeshore flooding. Our series of cutting-edge water level gauges throughout the Great Lakes allow for continuous monitoring of water level fluctuations in real time. Plus, NOAA's ongoing research facilitates the development of Great Lakes hydrodynamic and hydrologic models, which produce short-term and seasonal forecasts of water level changes.

NOAA Great Lakes Regional Collaboration Team
<https://www.regions.noaa.gov/great-lakes/>



NOAA's Key Great Lakes Water Level Products & Services

NOAA

National Weather Service (NWS)

National Ocean Service (NOS)

Office of Oceanic & Atmospheric Research (OAR)

National Environmental Satellite Data & Information Service (NESDIS)

Weather Forecast Offices (WFOs)

- [Great Lakes Portal with Current Lakeshore Hazards](#)
- [Lakeshore flood watch, advisory, & warning definitions](#)
- [Great Lakes Beach Hazard Map](#)

River Forecast Centers (RFCs)

- [Bi-National Precipitation Product](#) (collaborative across NWS, NESDIS, & partner agencies)
- [River Level Observations](#)
- [River Level Forecasts](#)
- [Observed 24-hour Precipitation](#)
- Long Range Flood Outlooks: [North Central RFC](#), [Ohio RFC](#), [Northeast RFC](#)
- Spring Hydrologic Outlooks: [North Central RFC](#), [Ohio RFC](#), [Northeast RFC](#)

National Operational Hydrologic Remote Sensing Center

- [National Snow Analyses](#)

Center for Operational Oceanographic Products & Services (CO-OPS)

- [National Water Level Observation Network \(NWLON\)](#)
 - [NWLON Station Selection Page](#)
 - [Interactive NWLON Map](#)
 - [Water Level Reports](#)
- [Great Lakes Operational Forecast System](#)
- [High/Low Water Conditions](#)
- [International Great Lakes Datum \(IGLD\) Update Information](#)
- [Coastal Inundation Dashboard](#) (Great Lakes to be incorporated in the future)

Office for Coastal Management (OCM)

- [Digital Coast Homepage](#)
 - [Lake Level Viewer](#)
 - [Coastal Flood Exposure Mapper](#)
 - [Data Access Viewer](#)
 - [Digital Coast Training Homepage](#) and [Calendar](#)

Great Lakes Environmental Research Laboratory (GLERL)

- [NOAA GLERL Water Levels Homepage](#)
- [NOAA GLERL Water Levels Fact Sheet](#)
- [Great Lakes Dashboard](#)
- [Experimental Great Lakes Coastal Forecasting System](#)
- [Experimental Great Lakes Seasonal Hydrological Forecasting System](#)
- [Great Lakes Monthly Hydrologic Data](#)
- [Great Lakes Seasonal Climate Forecast Tool](#)

National Centers for Environmental Information (NCEI)

- [Great Lakes Climate Impacts & Outlook Reports](#) (collaborative, led by Midwest Regional Climate Center)
- [Great Lakes Region El Niño & La Niña Impacts and Outlooks Report](#) (collaborative, led by Midwest Regional Climate Center)
- [Bi-National Precipitation Product](#) (collaborative across NESDIS, NWS & partner agencies)



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