NOAA IN THE GREAT LAKES: Accomplishments, Assets, and Challenges

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Performing the Functions and Duties of the
Assistant Secretary for Conservation and
Management
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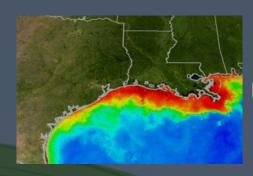




NOAA's STRATEGIC PRIORITIES Science, Service, Stewardship

Solid, Credible Science





Healthy oceans

Sustainable seafood and jobs

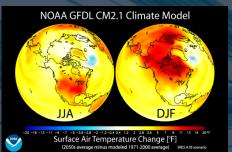




Resilient coastal communities & economies

Weather Ready Nation





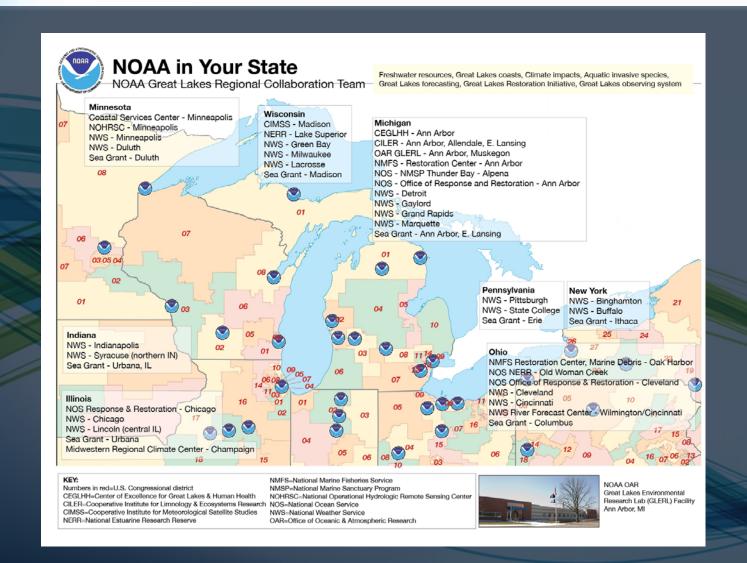
Information & Decision Support

GREAT LAKES GOVERNANCE Science, Service, Stewardship



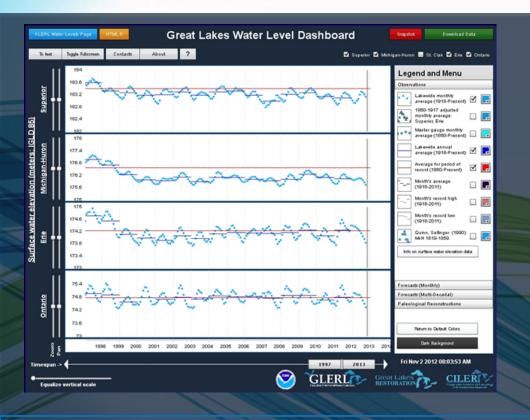
- NOAA conducts valuable scientific research in the Great Lakes Region.
- Regional Collaboration's value rests with translating place-based science into service and stewardship, building upon NOAA's scientific expertise to improve governance, restoration, and protection of the Great Lakes both now and for future generations.
- The GLRCT represents NOAA in regional governance efforts, bringing the agency's scientific expertise to governance organizations such as the Great Lakes Restoration Initiative, Great Lakes Water Quality Agreement, and Great Lakes Wind Collaborative.

REGIONAL ASSETS NOAA In Your State

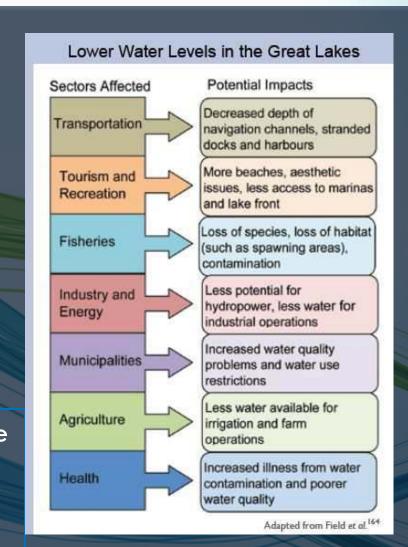


GREAT LAKES RESEARCH

Water Levels



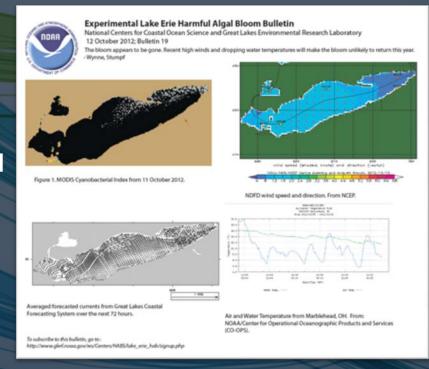
Great Lakes water levels constitute one of the longest high-quality hydrometeorological data sets in North America, with reference gage records beginning ~1860.



GREAT LAKES RESEARCH Harmful Algal Blooms

GLERL/CEGLHH is executing a multi-pronged HABs research program in partnership with government, academic, and private sector experts.

- Experimental HABs Bulletin: weekly user-friendly forecasts of Microcystis blooms in western Lake Erie.
- Statistical analysis: timing, intensity, and spatial extent of HABs.
- Mechanistic modeling (food webs and nutrients): relationships and HABs predictors.
- Remote sensing: estimation of blooms.
- Hydrologic analysis: potential role of nutrient inputs in HABs.



MANY GOALS, ONE MISSION Science, Service, Stewardship

