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Living and Working in the Great Lakes <u>is Hard</u>

- Size
- Weather
- Complexity
- Stressors
- Data gaps



LimnoTech

- Founded in Michigan in 1975
 - Regional offices in DC, Minneapolis, L.A.
- 82 employee-owners
- Focus on water science and engineering
 - Numerical modeling
 - Clean Water Act
 - Ecosystem restoration
 - Corporate water stewardship
- Federal, municipal, private,
 NGO/academic clients





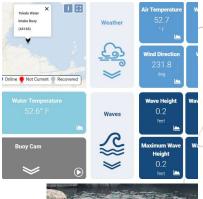
FREEBOARD TECHNOLOGY (subsidiary)



- Monitoring and early warning buoys
- Smart sensor kits (harbors, tributaries, wetlands)
- Design, manufacturing, deployment, maintenance
- Data systems and services





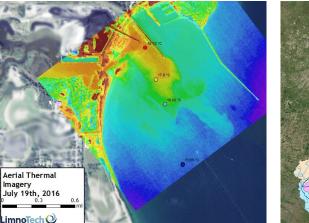


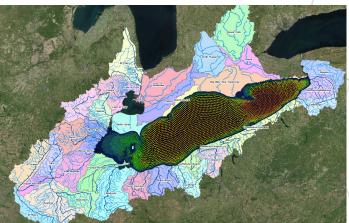


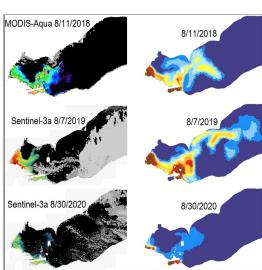


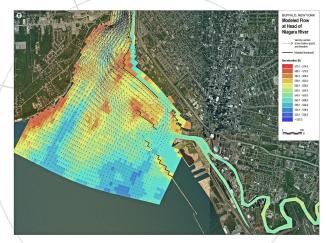
OCS, NGS, and CO-OP Support

- High-res bathymetry
- Coastal data (shorelines, water levels)
- Physical/biogeochem models (HABs, hypoxia)
- Water data products (event, seasonal, decadal)
- Vertical control









Use of Advanced Survey Technologies for Adaptive Management:

An Interagency Plan for the Great Lakes

June 29, 2021





Great Lakes Research Investment Strategy for the Next Decade

April 26, 2022

Prepared for: International Joint Commission







Academia





Government









Public







NSF



























Thank you

