

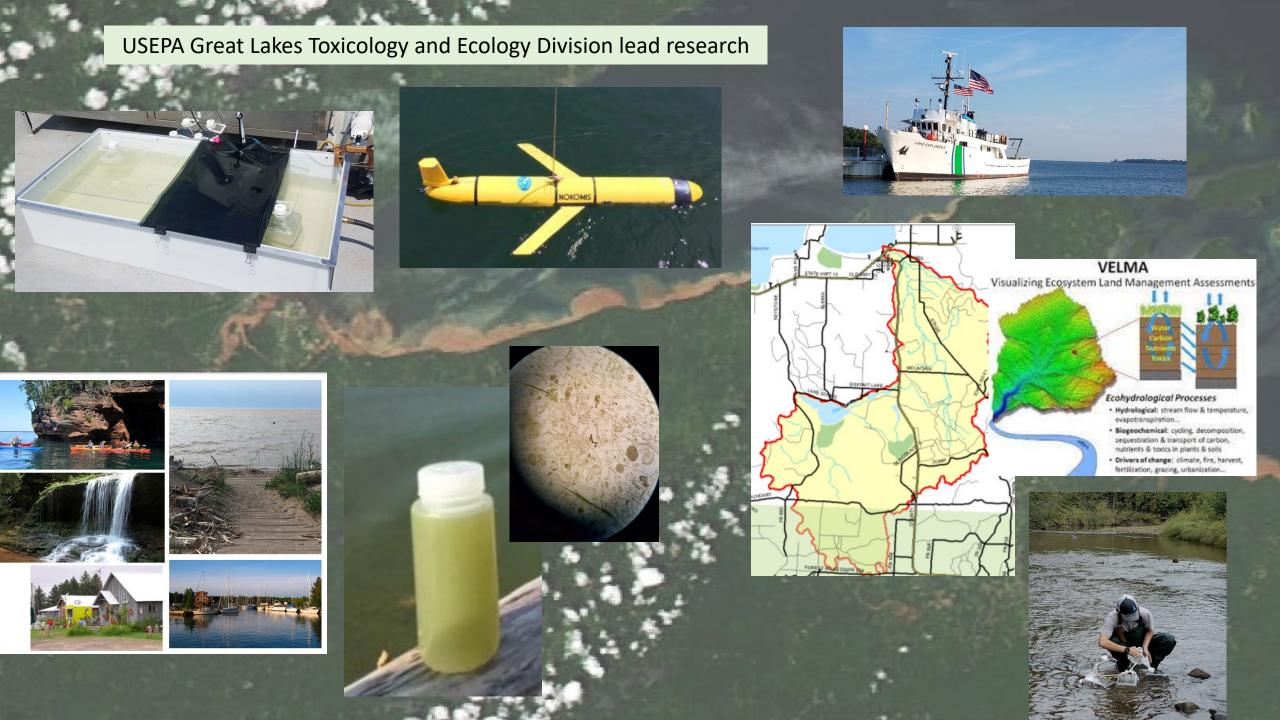
Can we forecast WHERE blooms are likely to happen?

What are the environmental drivers that encourage blooms? Toxin production?

What does climate change mean for bloom management/mitigation?

What watershed approaches can be taken to reduce bloom risk?

How might our sense of place change in the face of HABs? What does it mean for community subsistence?

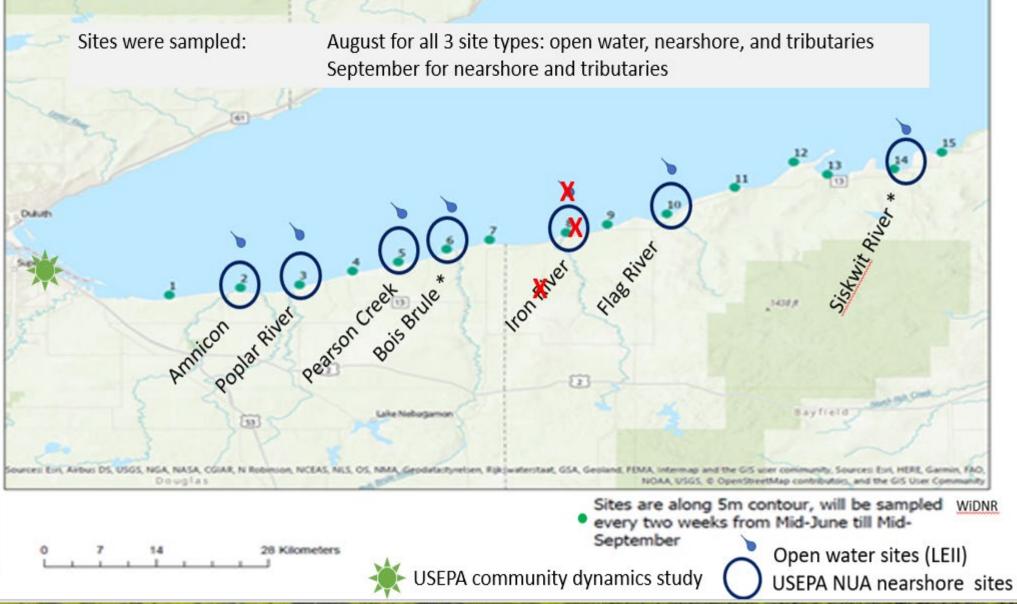




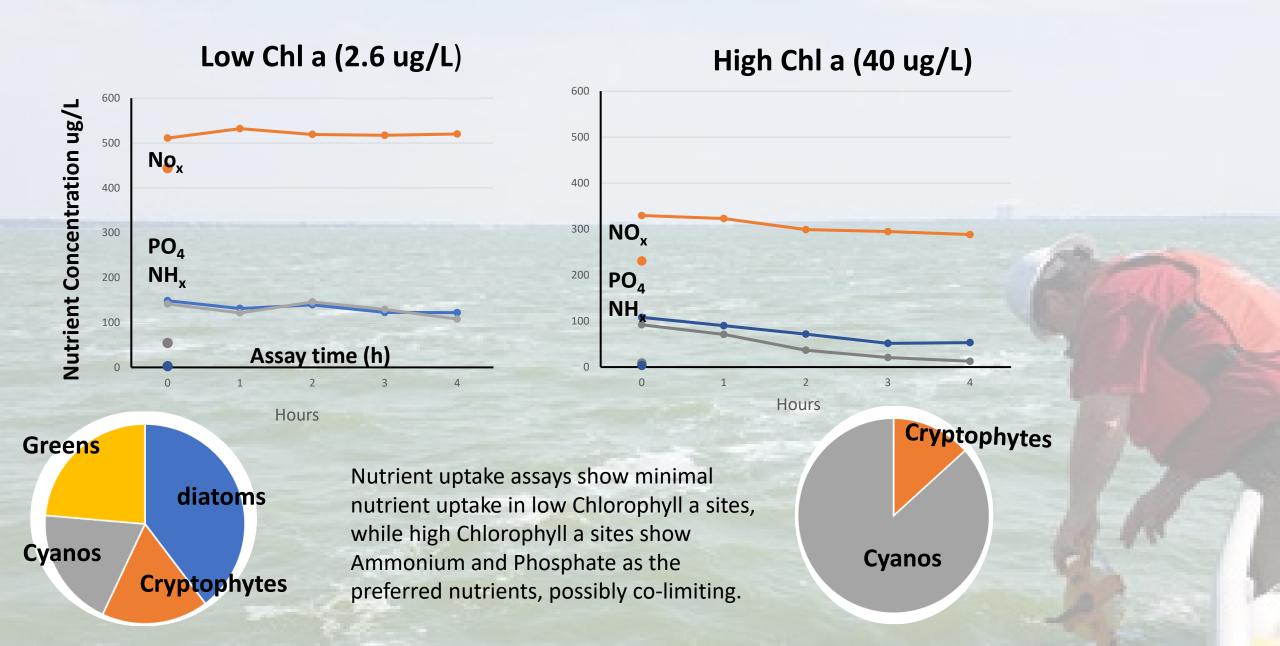
2021 WDNR CSMI Sampling

Thank you to WiDNR for sampling the nearshore for us





Nutrient uptake dynamics in Lake Erie (CSMI 2019)



N:P uptake ratios to infer optimal conditions for HABS Lake Superior tributaries to open lake

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- Understanding of nutrient stoichiometry necessary to support HABs, HABs ecology.
- Conduct nutrient uptake assays in the Great Lakes: Erie, Michigan, & Superior in areas where HABs are probable.
- Methodology for understanding nutrient dynamics in large lakes.
- Understanding of the underlying nutrient requirements for HAB to better target nutrient reduction practices.