

Environmental Time travel

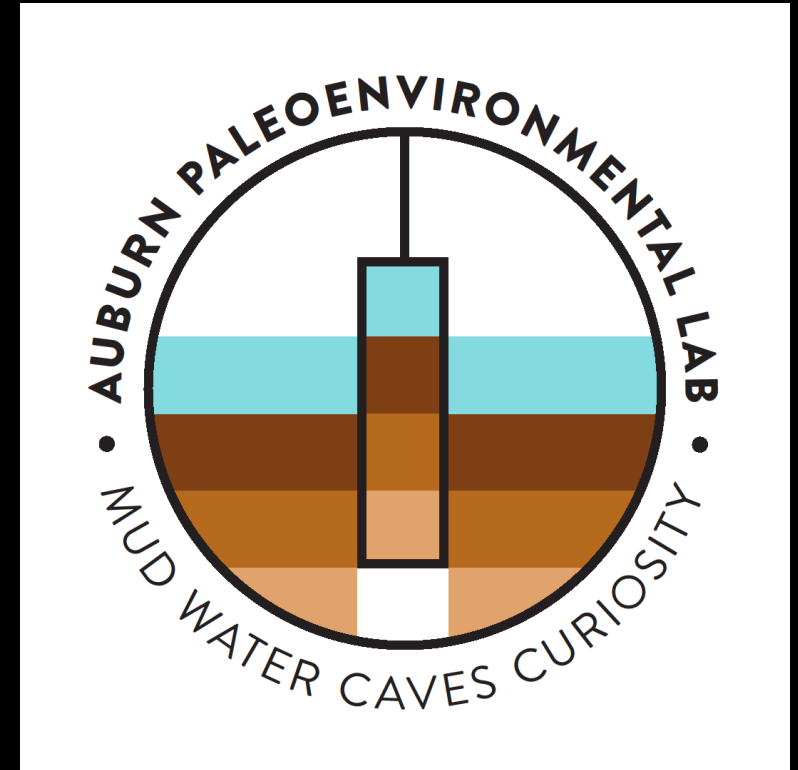
Using Paleo-Records to Understand Ecosystems

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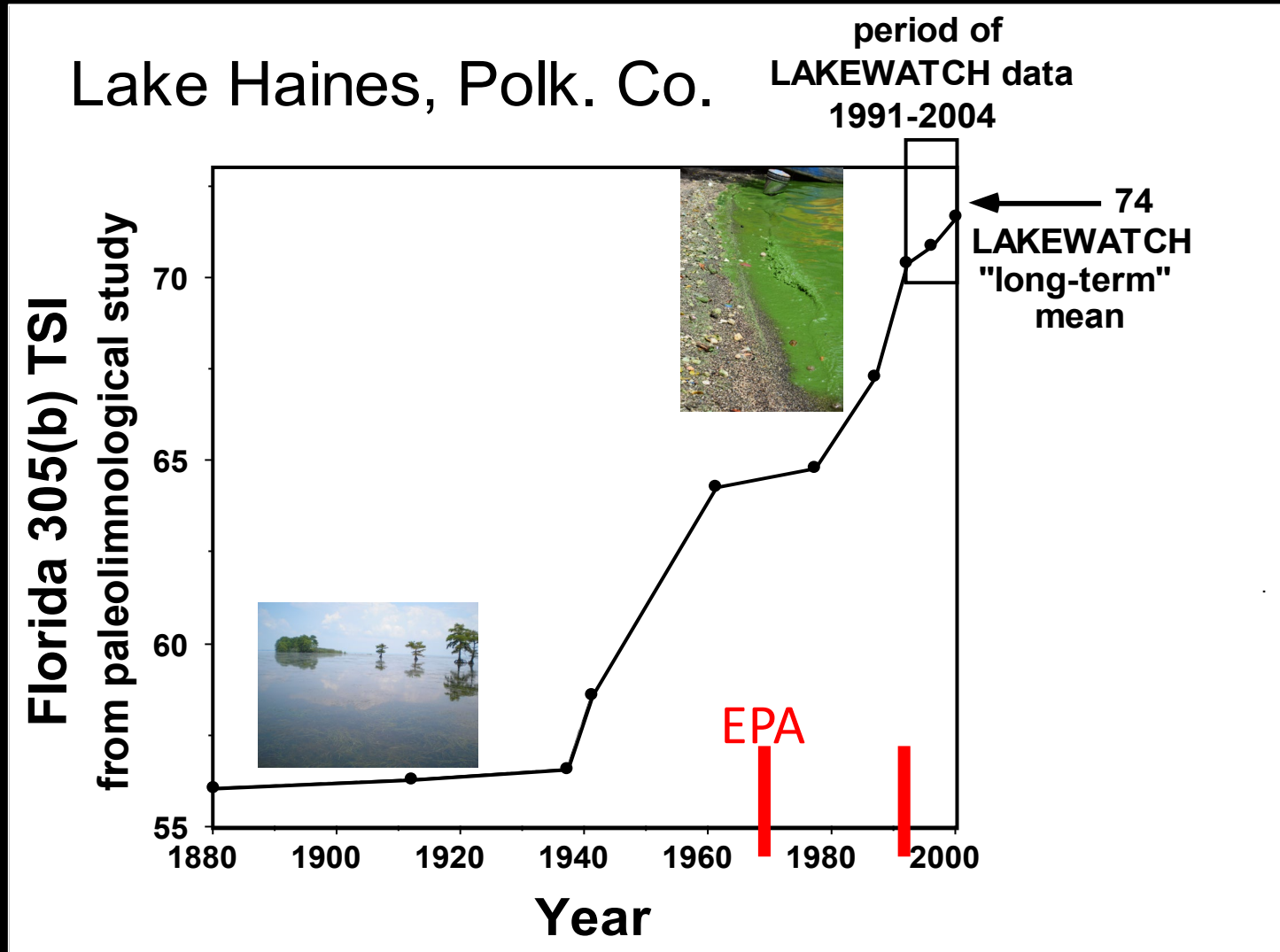
[@Waters_Paleolim](#)



Why do we need paleo-environmental data?

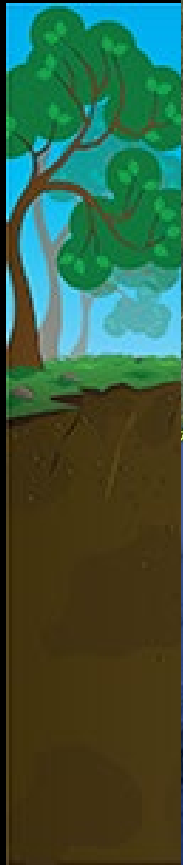


Well, back in my day...

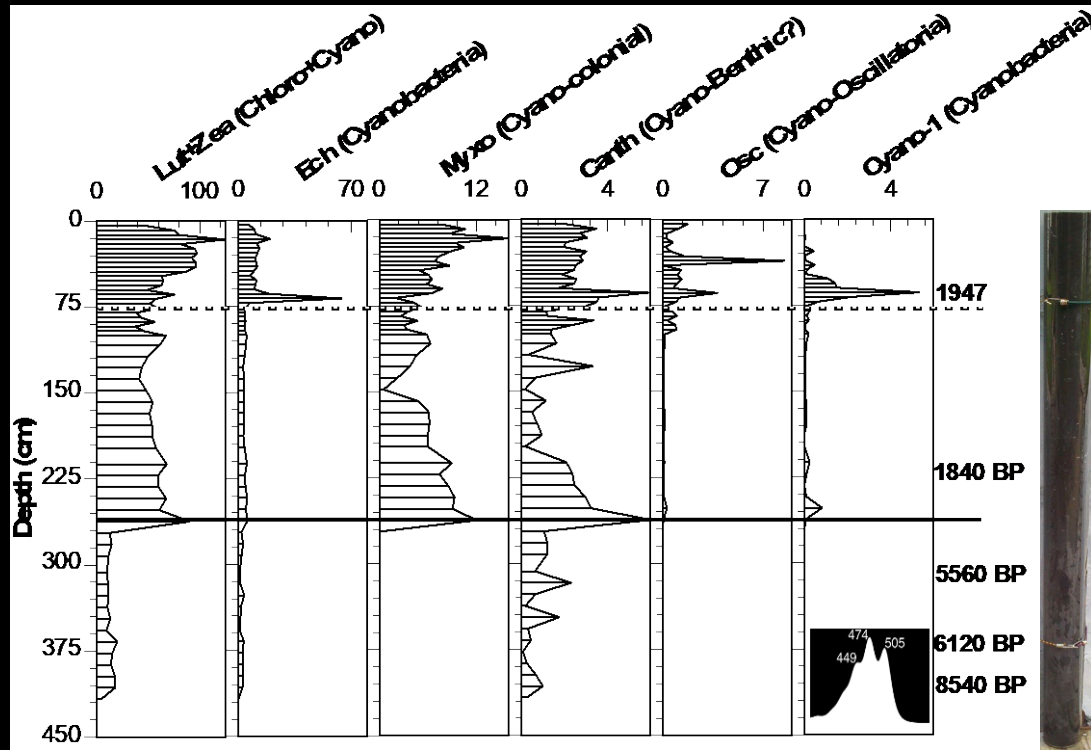


Lake Mattamuskeet, NC

Core



Lake Apopka, FL

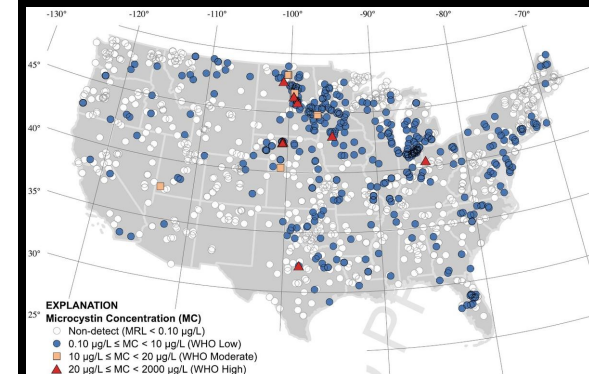
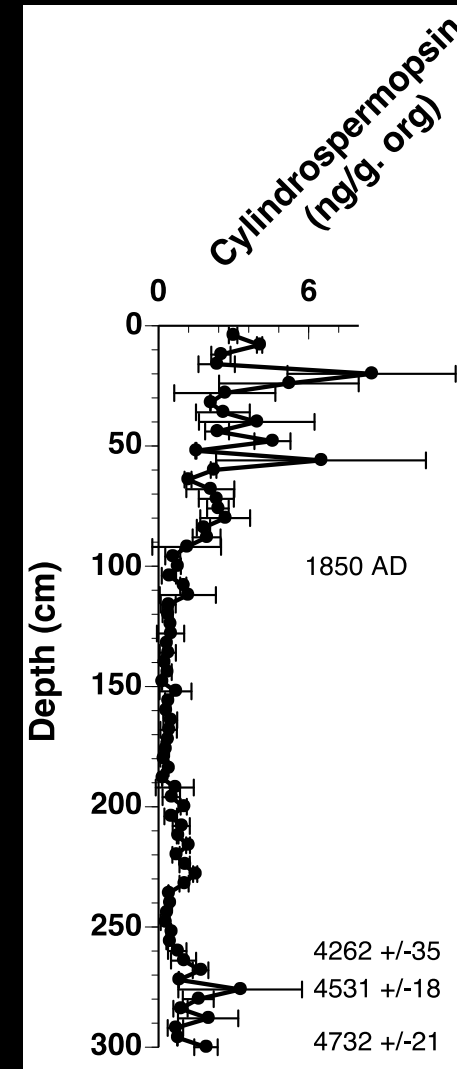


1947



Waters et al. 2015

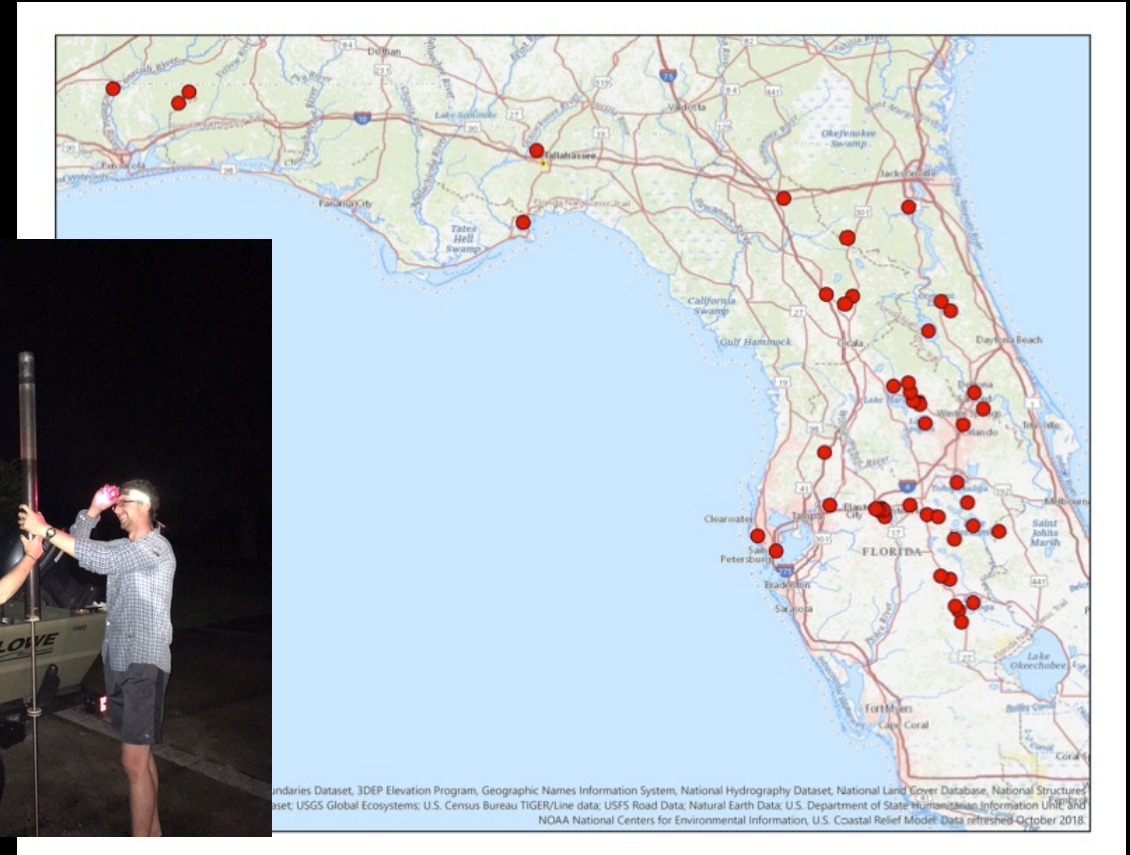
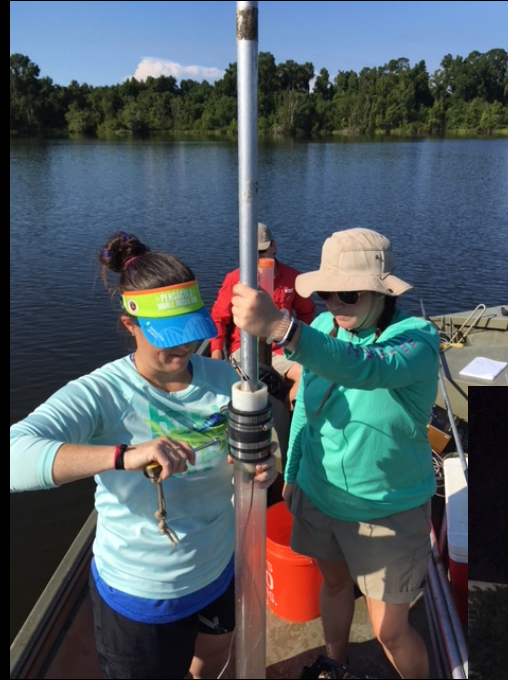
Lake Griffin, FL



Waters 2016

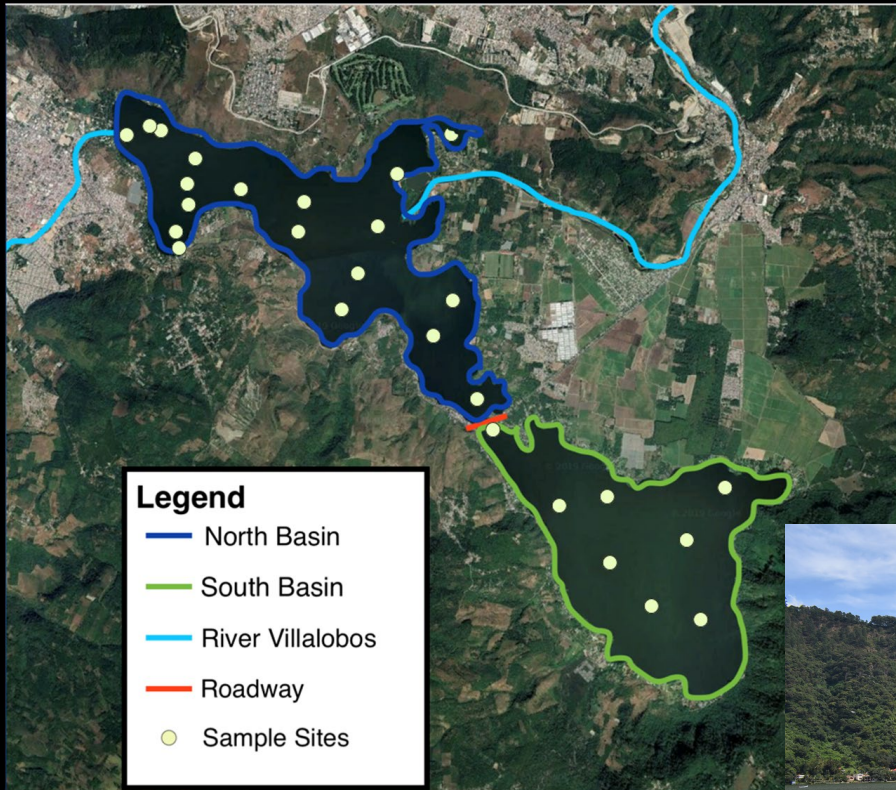
Ancient HABs and Eutrophication

NSF EAGER Grant

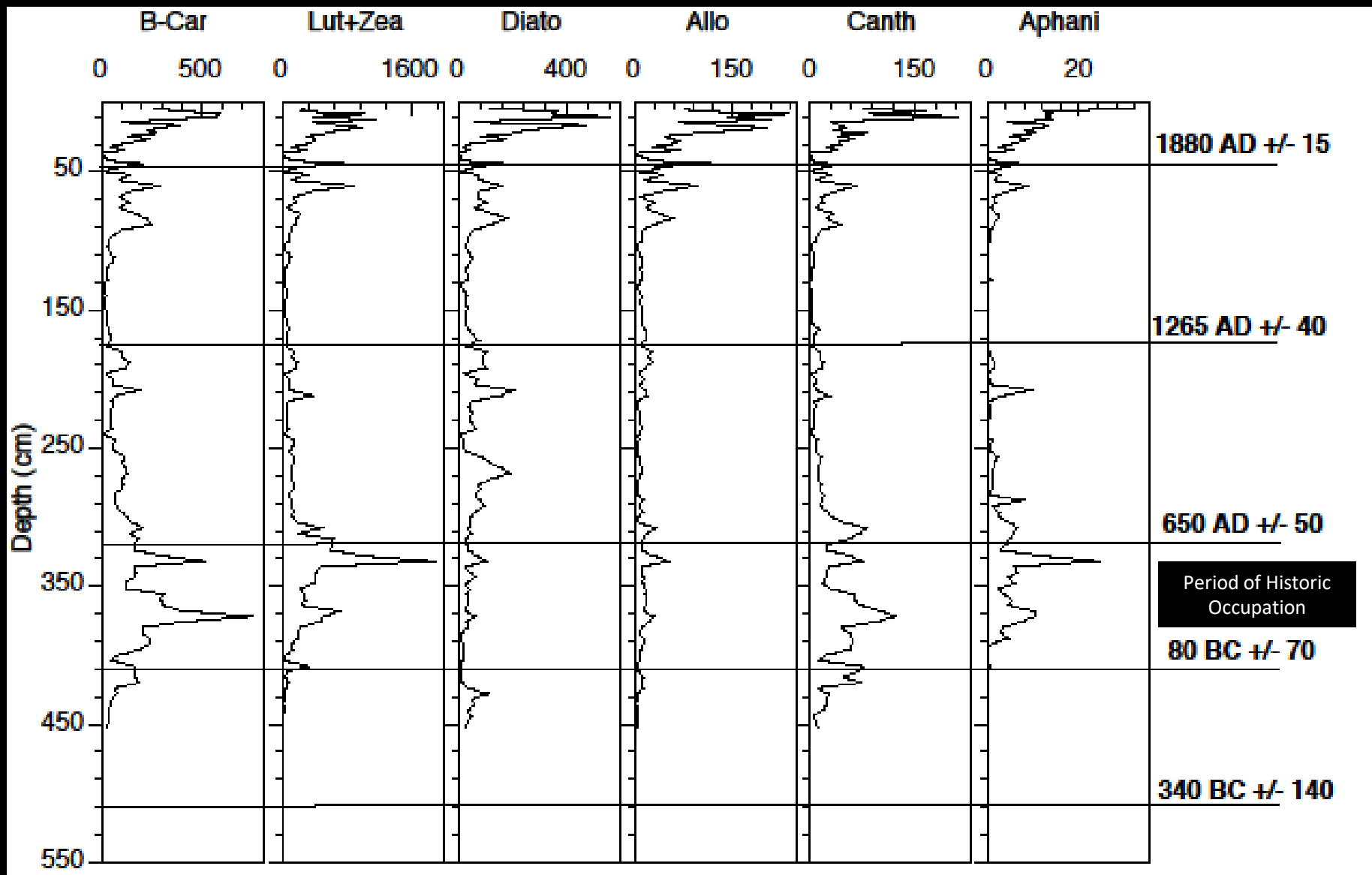


Ancient HABs and Eutrophication

National Geographic Explorers Grant

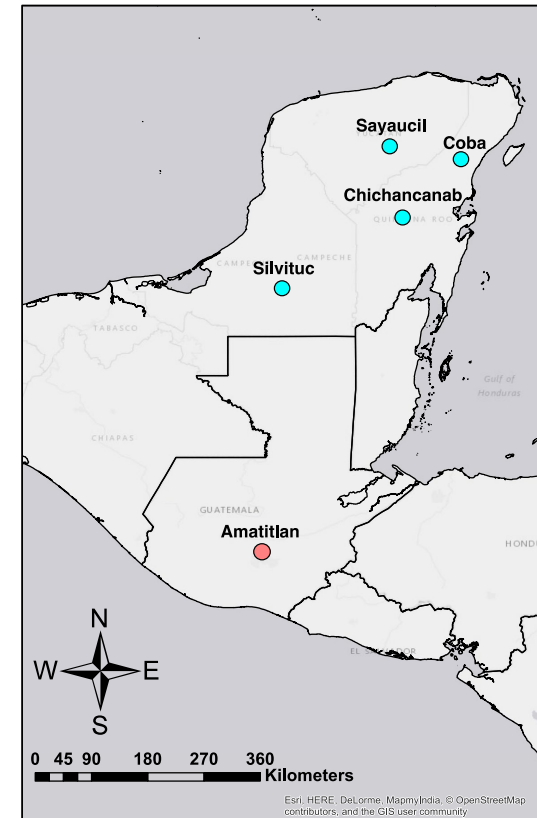
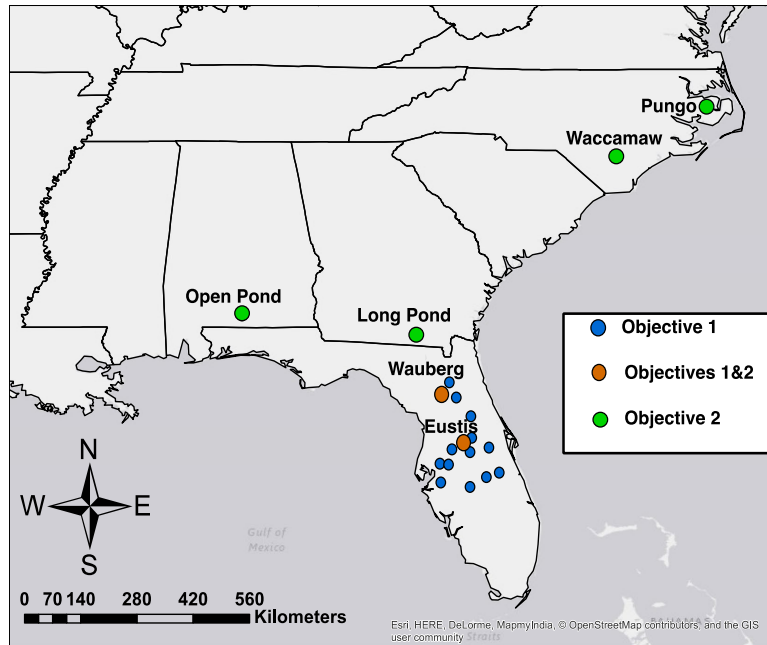


Lake Amatitlán,
Guatemala



Ancient HABs and Eutrophication

NSF Career Grant



Lake Atitlán, Guatemala

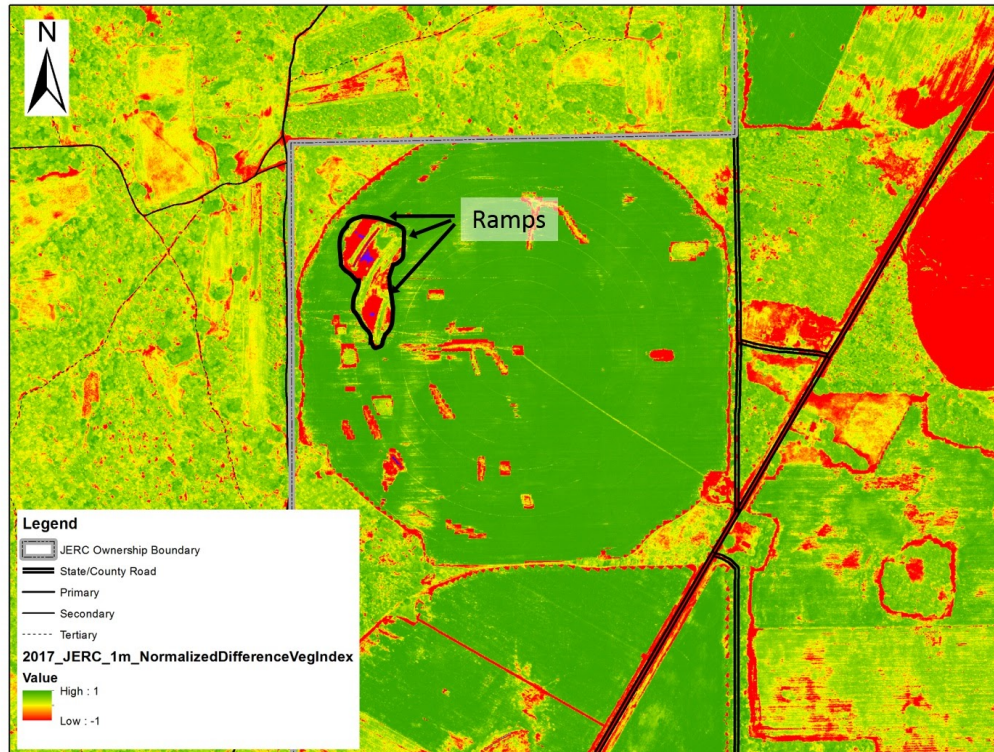
ET York International Travel Grant



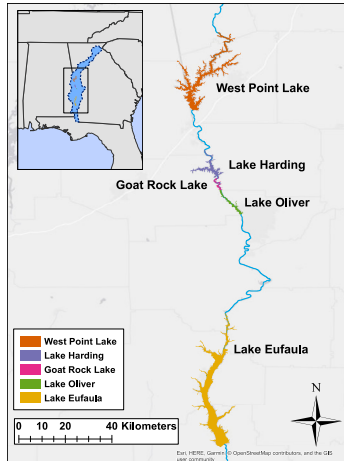
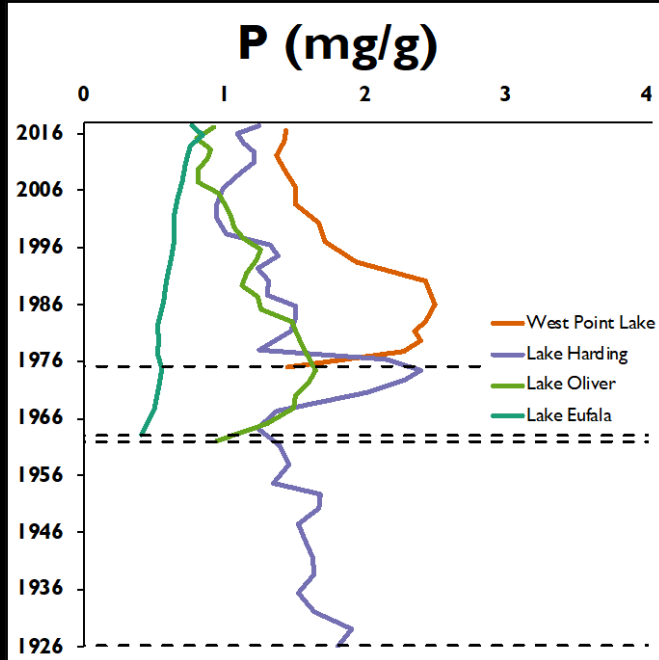
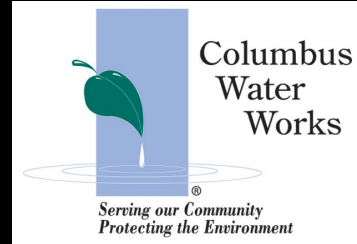
Geographic Isolated Wetlands

USDA-NIFA

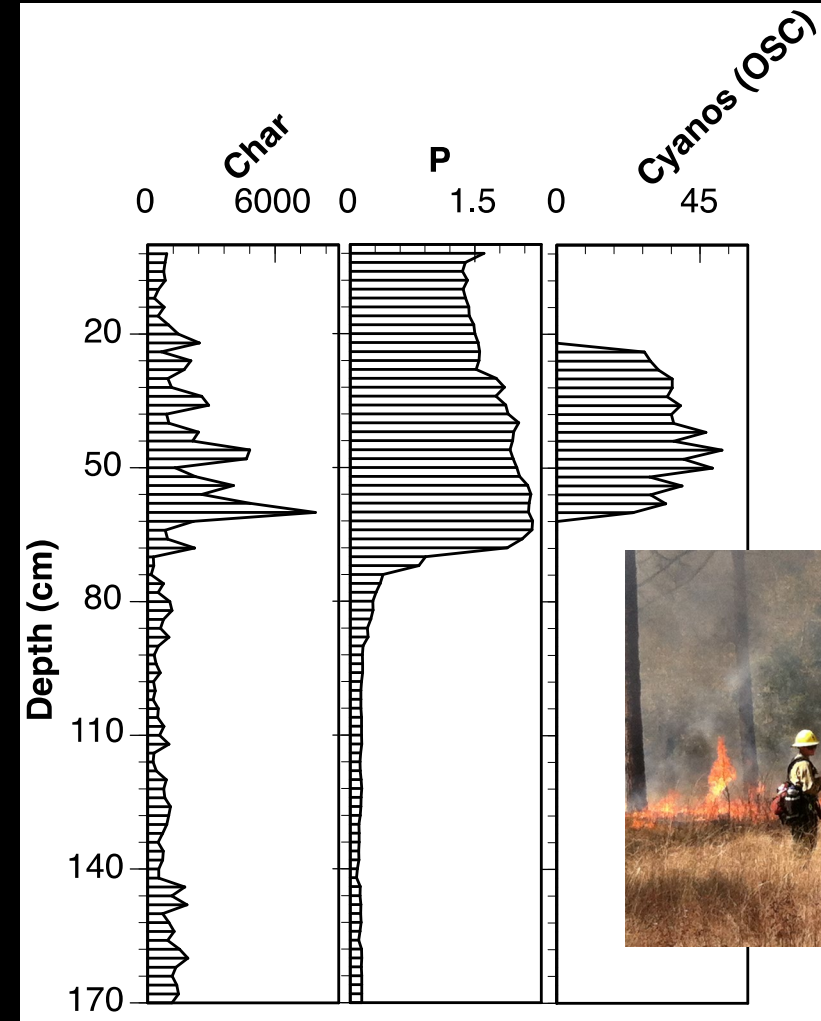
Collaboration with Frances O'Donnell (Civil Eng) and the Joseph Jones ERC



Chattahoochee River



Conecuh National Forest (prescribed fire)



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