

An Underwater Robotic Smart-Sensing System for Water Quality Testing

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ALLEGHENY COLLEGE

PROJECT OBJECTIVES

Design, implement and test ... :

- ▶
- ▶
- ▶

ALGAL BLOOMS

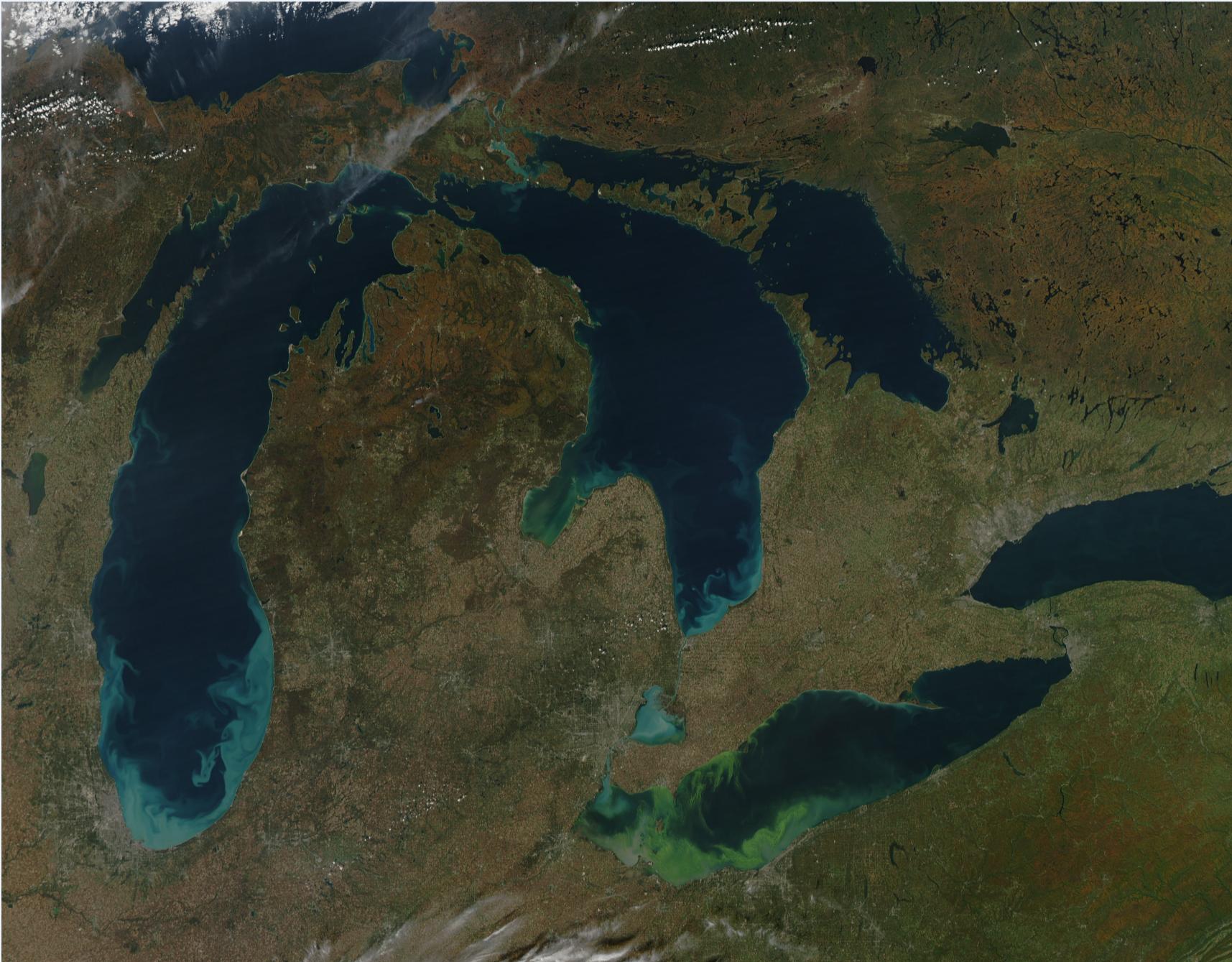


Figure: Great Lakes: October 9, 2011

ROBOT



Figure: Different robot models

SENSORS

- ▶ pH, Conductivity, Dissolved Oxygen, Temperature



Figure: Arduino board and sensors

DESIGN



Figure: Soldering wires



Drilling holes for sensors

DATA