Figure S1: Schematics of the **Mobile Sampling, Sensing, and Hyperspectral Imaging Platform** (MSSHIP).

- GPS
- Hyperspectral Camera
- Two Batteries (24V)
- Trolling Motors
- Electronic Control Box (Minimum 2 hours operating)
- Water Sampling Module (Actuator & Pump)

**Pontoon Boat**
(Maximum capacity: 2000 lb)