

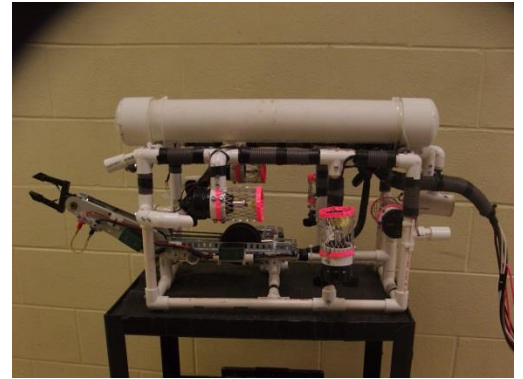
GRANBY'S GIRLS IN ENGINEERING

Granby High School

Norfolk, Virginia

Aim: To provide an ROV for the Thunder Bay National Marine Sanctuary to

- 1. Explore, document, and identify an unknown shipwreck recently discovered in sanctuary waters;**
- 2. Collect microbial samples and measure the conductivity of the groundwater emerging from a sinkhole;**
- 3. Remove trash and debris from the shipwreck and surrounding area.**



Company set-up

CEO: *Ashlee Gordon*

CFO: *Dr. Debra Marshall, Mr. Roger Lagesse*

Inventory/Comptroller: *Tanisha Robinson*

Government and Regulatory Affairs: *Ashlee Gordon*

Research and Development: *Erika Akpa, Tytianna Williams, Vanessa Callado*

Systems Engineering: *Victoria Gormley, Tanisha Robinson, Lauryn Tidoe, Tytianna Williams*

Mentors: Mr. Roger Lagesse, Dr. Debra Marshall

Potential Clients: Thunder Bay National Marine Sanctuary

ROV Spec: PIPPY 2.0

Appx. Total Cost: \$2109.06

Safety features: motor coverings, heat shrink, wire coverings, main fuse of 25 amps, conductivity circuitry (max. 3 amps), safety warnings on motors and claw.

Special features: tether line, multiple cameras, rotating claw wrist, individual pilot and co-pilot controls.