

Team Specs

Dalbrae Academy, Nova Scotia, Canada



Distance traveled from Nova Scotia to Hilo = 8614 kilometres

Keane MacLean **Pneumatics** – Returning member, 2nd year. Grade 12

Mallory MacDonald **Co-Captain/Co-pilot** – Returning member, 2nd year. Grade 12

Alex MacDonald **Pilot/Electrical** – Returning member, 2nd year. Grade 12

Alexis Dunphy **Co-Captain/Sensory Technician** – Returning member, 2nd year. Grade 12

Elizabeth Chisholm **Sensory Technician/Buoyancy** – Returning Member, 2nd year. Grade 11

Rebecca Dunphy **Co-pilot/Tether Manager** – 1st year member. Grade 10

ROV Specs

Name: Kanaloa

Total Construction Cost: \$1610

Primary Material: ½ inch PVC piping

Dimensions: Front Section- Length – 39.5cm

Width – 38.8cm

Height – 30.4cm

Rear Section – Length – 22.7cm

Width – 11.8cm

Height – 30.4cm

Total Weight – 16.4kg

Safety Features

- Shrouds around motors, Danger labels on movable parts.
- Fuse, ready light and E-stop in electrical control panel
- Repeat and command system used when operating or launching the ROV.
- Pre-launch Safety check

Special Features

- A movable camera that can be raised or lowered.
- A multiple camera system to create a 3-D plane of view.
- A pneumatic operated syringe system to collect agar.
- Redundant Systems for grippers, for raising the ROV.

