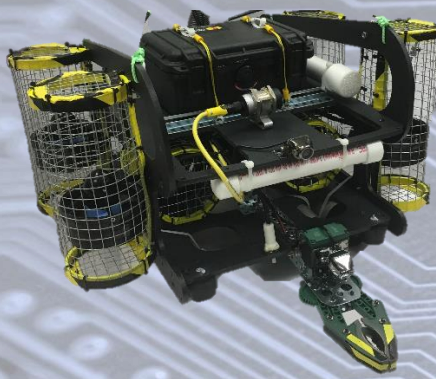


SPEC SHEET

OTTERS PUP



WEIGHT

102.4 N
10.4 Kg

DIMENSIONS

Height: 32 cm
Length: 47 cm
Width: 55 cm

Girls in Engineering



ROV Specifications:

Name: OTTER'S PUP (Operating, Technical, Transporting, Environmental, Retrieval, System) and Micro ROV is dubbed the PUP (Programmed Under-water Processor).

- Weight: 17. 2 lbs (with cable 35 lbs)
- Tether Length: 50 ft (15.24 m)
- Dimensions (Stowed): Under 60 cm in diameter
- Total Hours (Design & Build): 315 man hours

DISTANCE TRAVELED:

From Norfolk, VA to Kingsport, TN
1183.5116 kilometers

TOTAL COST OF ROV:

\$2695.95

SAFETY FEATURES:

- Yellow and black hazard tape
- Thruster shrouds
- Water tight electrical connections
- Hardware Cloth covering exposed parts.
- Main fuse with sub-system fuses

SPECIAL FEATURES:

- Gear driven claw grip
- Thruster guards with a maximum opening of 12.5 mm
- Six (6) cameras for optimum viewing
- Temperature gage
- Linear measuring system
- Seaboard Constructed fame; flexible, light, and shock absorbent.
- Micro ROV capable of inspection pipe system 6 inches in diameter or larger at distances of 10 feet.

Company

Chief Executive Officer and Pilot

Emeana McDonald
(2nd year, 12th Grade)

CEO Assistant- Karissa Crawford (2nd year, 10th Grade)

Engineering Officer- Nora Wilkerson (1st year, 10th Grade)

Chief Financial Officer- Isabella Winston (2nd year, 10th Grade)

CFO Assistant- Azucena Gordus Huizar (1st year, 9th Grade)

Electrical Engineer- Zymirah Smith (1st year, 9th Grade)

EE Assistant- Rosa Tiburcio (1st year, 9th Grade)

Research & Development- Maya Mallory (1st year, 9th Grade)

Out-Reach Officer- Nautica Bracy (1st year, 9th Grade)

Safety Officer- Angela Navalta (2nd year, 10th Grade)

Safety Officer Assistant -- Gabriela Yon Morales (1st yr, 9th Grade)

Multi-Media Officer- Nora Wilkerson (1st year, 10th Grade)

Mentor: Roger Lagesse

Mentor: Dr. Deborah Marshall

Mentors: Harold Scadden

Working hours:

Range of grades: 9-12

School Name: Granby High School