Company Spec Sheet

**Company Name:** NB Whalers Salvage CO, New Bedford High School  
**Home State:** Massachusetts, USA  
**Distance Traveled:** Driving 2,097.90865 km time- 21 hours 58 minutes/ Plane 2 hours 51 minutes  
**History of MATE ROV Competition:** This is New Bedford High School’s third time competing in the International MATE ROV Competition. With the exception of Mason St. Jacques, all of the company members are “NEW” to MATE; except this is Mason St. Jacques Second time.


NB Whalers Salvage Co. photo

**ROV Specifications**  
**Name of ROV:** Miss Alexis  
**Total Cost:** $922.92  
  - **Donations:** $275.35  
  - **Company Expenditures:** $647.53  
**Primary Building Materials:** Commercial PVC pipe, wiring, and mesh  
**Approximate Dimensions:**  
  - **Robot Frame:** Length: 44 cm, Width: 41 cm, Height: 25 cm  
  - **With Tools:** Length 98 cm, Width: 44 cm, Height: 71 cm  
**Total Weight in air:** 5.5 kg (With Tools)  
**Safety Features:** Plastic mesh propeller guards, 25 amp fuse, caution labels on the motors, hand filed zip tie ends, reset switch on control box  
**Special Features:** Claw; Metric tape measure; Hand-operated vacuum pump with self aligning suction tube; Side-to-side motor for precise control; Outboard struts to improve stability. The ROV controls and heading sensor are PIC microcontroller based systems. These systems give us the ability to control the ROV in a variety of conditions and measure heading in the presence of DC motor magnetic influences.