

**New Bedford High School
NB Whalers 2
New Bedford, Massachusetts**

Company Specs

- Company Name: NB Whalers 2, New Bedford High School
- Home State: Massachusetts
- Distance Traveled: Flight 2,560 km / Driving 2,974 km
- This is New Bedford High School's second time competing in the Regional MATE ROV Competition, as well as the second time competing in the International MATE ROV Competition. This is the first time for our company.



From left to right:
CEO- Chris Parker- Tech-Ed Instructor, 22 years
Pilot- Dwayne Farias- Senior
Design Engineer- Brandon Medeiros-Senior
Vice President of Operations: Kenny Chan-Junior
Design Engineer- Mason St. Jacques-Sophomore

ROV Specs

- Name: Free Willy
- Total Cost: \$1119.71
 - Donations: \$199.98
 - Company Expenditures: \$919.73
- Primary Building Materials: Commercial PVC pipe, wiring, and mesh
- Approximate Dimensions:
 - Robot Frame: Length: 73 cm, Width: 44 cm, Height: 37 cm
 - With Tools: Length 96 cm, Width: 44 cm, Height: 71 cm
- Total Weight in air: 8.5 kg (With Tools)
- Safety Features: Plastic mesh propeller guards; Motors are individually fused, with an LED alert; and a 25 amp primary fuse.
- Special Features: Rotating Claw with a 1:176 gear reduction; Tether attaching grapple; Hand-operated vacuum pump with self aligning suction tube; Digital depth gauge; Side-to-side motor for precise control; LED alert system; Outboard struts to improve stability.

