

MARINE ACADEMEY OF TECHNOLOGY AND
ENVIRONMENTAL SCIENCE
195 CEDAR BRIDGE ROAD, MANAHAWKIN, NEW JERSEY

2010 ROV TEAM SPECIFICATION SHEET

~ Jet Stream ~

Distance Traveled from Manahawkin, New Jersey to Hilo, Hawaii: ~ 7876 kilometers

Returning Participant: 2005 and 2006: International Competition at the NASA Johnson Space Center Neutral Buoyancy Laboratory, 2008: Buzzard's Bay Regional at MMA, 2009: Buzzard's Bay International at MMA, 2010: Philadelphia Regional at Villanova, 2010: Hilo, Hawaii International at the University of Hawaii

-TEAM MEMBERS-

DOUGLAS BAILEY Team Captain; Returning Junior	DANIELLE JUDKA Secretary Returning Junior	JEANNE STAD New Junior YIFAN ZHANG Returning Junior	BRIAN INTILE New Freshman
WALTER CHURCH Returning Junior	EMILY KEPEN New Junior	KEVIN QUIGLEY Returning Sophomore	MATTHEW MOELLER New Freshman
MATTHEW EISENSCHMIED New Junior	JAMES PRIESTLEY Returning Junior	CHRISTOPHER ETLER New Freshman	PATRICK OEHME New Freshman
DEVON GONZALEZ Returning Junior	THOMAS SLAGMOLEN New Junior	DAVID ETLER New Freshman	ADVISOR <i>KARYN QUIGLEY</i>
			MENTOR <i>PAUL FENNIMORE</i>

Vehicle Name: *Jet Stream*

Total Cost: \$629.78

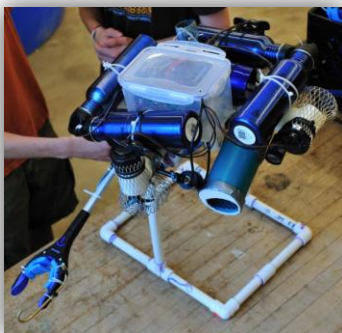
Primary Construction Material: Polyvinyl chloride (PVC)

Approximate Dimensions: 70 x 50 x 10 cm (L x W x H)

Total Weight: 3.2 kg

Safety Features: 25 Amp Fuse, Propeller Enclosures, Dulled Sharp Edges, Sealed Relays and Wires, Warning Labels

Special Features: Claw manipulator, Bilge Pump Motor-Powered Vacuum, Hook Manipulators, Core Sampler, Water-sealed Relay Setup, Non-depth-variable Buoyancy via Metal Bottles



The 2010 MATES ROV Team, complete with poster presentation, completed vehicle, and Philadelphia, Pennsylvania Regional 1st Place Awards