

Alpena High School



Underwater Research Robot

Competition Experience:

- 2011 Great Lakes Regional Sixth Place Finish
- 2012 Great Lakes Regional Second Place Finish
- 2012 MATE International Robotic Competition
- 2013 Great Lakes Regional First Place Finish
- 2013 MATE International Robotics Competition
- 2014 Great Lakes Regional First Place Finish
- 2014 MATE International Top Ten Finish
- 2015 Great Lakes Regional First Place Finish
- 2015 MATE International Top Ten Finish
- 2016 Great Lakes Regional First Place Finish
- 2016 MATE International Twelfth Place Finish
- 2017 Great Lakes Regional Third Place Finish

ROV Specs:

11 Kilograms
Frame is made of High Density Polyethylene
47 cm in diameter
25 amp in - line fuse
Valued at \$2, 285.00

Underwater Research Robotics Company
500 East River St.
Alpena, MI 49707

The Wildcat 3.0

2018 Great Lakes Regional Winners

Safety Features

- Anderson DC Electrical Connectors
- Shrouded Thrusters
- Strain reliefs on both the ROV and control case
- 25 amp inline fuse

Special Features

- 15 Meter Tether
- Mechanical Gripper
- 190 Degree view camera
- On-board computer for controls and ROV status

Our team is an after school club that accumulated 250 hours of time working on the robot and related work.

Team ages range from 14-18

Distance traveled to International Competition 2,300 miles.



Meet the Underwater Research Robot Team



- Elizabeth Thomson (12th Grade) – CEO/Safety Officer
- Joshua Beatty (11th Grade) – Lead Pilot
- Sam Beatty (12th Grade) – Pilot/Computer Programmer
- Nathan Cosbitt (12th Grade) – Pilot/Technician
- Savannah Thomson (11th Grade) – Lead Mechanical Engineer
- Christopher Natzel (12th Grade) – Mechanical Technician
- Ian Shriner (11th Grade) – Pilot/Technician
- Wenton Harrison (10th Grade) – Pilot/Technician
- Tara Myers (12th Grade) – Lead Researcher/Lead Editor
- Ava Shriner (10th Grade) – Technician/Editor
- Karli Myers (10th Grade) – Media Coordinator
- Katherine Nicholson (12th Grade) – Lead Software/Electrical Engineer
- Eva Luasardi (9th Grade) – Software Technician
- Carina Whitlow (11th Grade) – Software Technician