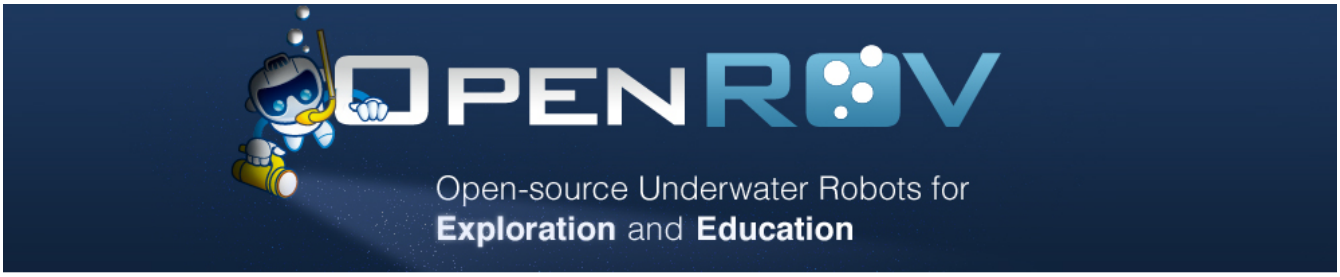


'MVHS Underwater Robots'

Many Thanks To...

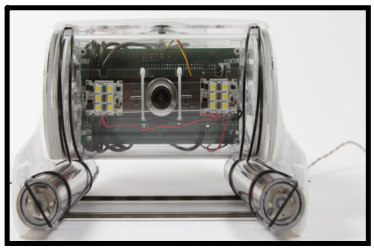
Brilliant LABS

OPENROV

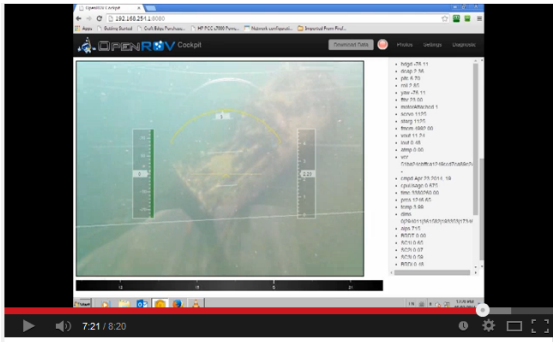
http://openrov.com/

Follow @OpenROV

OpenROV
Like 3,061



What is an OpenROV? What can it do?



OpenROV Dave Murphy Nova Scotia Bedford Basin Princess Lodge Boilers

OPENROV

Welcome to the OpenROV community!

All the build instructions, as well as tips for troubleshooting and use, are located on OpenROV.com under the "Documentation" tab. You can also ask questions or propose feature ideas under the "Forums" tab. We believe that by making our design open source, contributions from people with great ideas will make OpenROV capable of doing amazing things. Development will continue to be on-going based on feedback we get, and we hope you will help us with making the design better.

We're also very interested in hearing what you're planning to explore with your ROV! If you're so compelled, we'd love for you to share your plans and build progress with the community. You can do that on OpenExplorer.com.

As always, please reach out with any questions or comments, and thank you once again for being a part of this adventure!

Onward,

Eric Stackpole (eric@openrov.com) & David Lang (david@openrov.com)

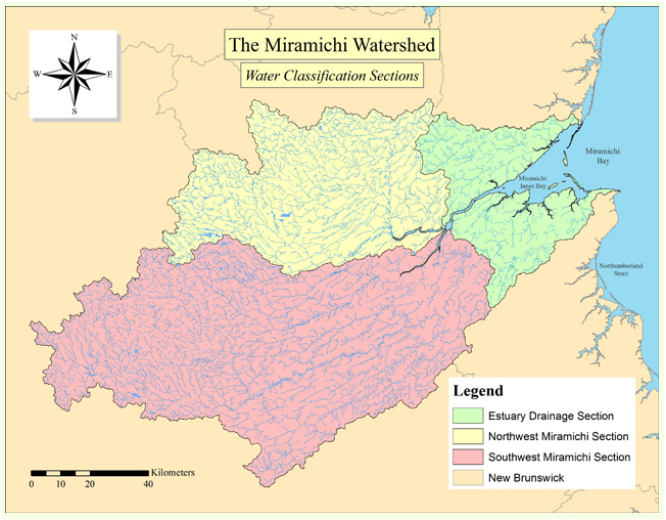
Brilliant LABS http://brilliantlabs.ca/projects/

BRILLIANT PROJECTS
SUPPORTING AND SHARING INNOVATIVE CREATIVE LEADING ENTREPRENEURING EDUCATIONAL PROJECTS

What is 'our' project? What is involved?

- Project...
  - OpenROV Underwater Robot (fully assembled)
    - » join the OpenROV community
    - » document our journey on school website and course blog
    - » familarize ourselves with the device and software
    - » become trained in using the device
  - OpenROV Underwater Robot (kit)
    - » build our own using the necessary tools and kit
    - » use tech resources when needed... (instructions, SKYPE, Youtube, forums, etc...)
    - » make it our own and modify for Miramichi River
    - » test the device and make adjustments
    - » **EXPLORE**...Environmental Science 120 (Sem. 1 or 2)

YOU are the engineers? You do the exploring? You manage the project!

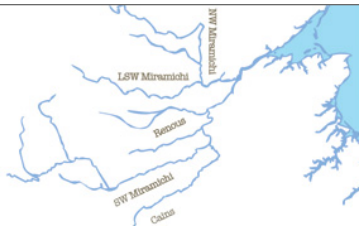


Possible Interested Partners...

MSA CONSERVATION

MIRAMICHI SALMON ASSOCIATION

Leading River Conservation Since 1953



NBCC COLLEGEWORKS

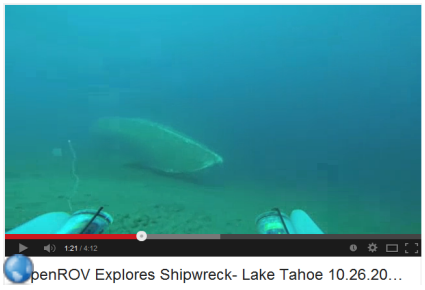
MREAC

MIRAMICHI RIVER ENVIRONMENTAL ASSESSMENT COMMITTEE

Atlantic Salmon Federation

Fédération du Saumon Atlantique

'Underwaters Robots' Project...2014/2015



- students from Grade 11/12
- 1st Semester - Computer Science 110
  - > skills on working with device (assembled)
  - > build a second device (kit)
  - > maintain a website about project
  - > project will be evaluated in the course
- 1st or 2nd Semester - Environmental Science 120
  - > will take the lead on using device
  - > rest of class will be participants
  - > research scientific questions....Miramichi River
  - > this will be your Eco-Challenge project

* spread the word... need to get schedule done NOW with Guidance