

Client & CS Team Meeting - 11/13/19

- CS team is emailing laser company about potential use for image processing, take periodic scans and process them in the same area, device can move around, etc.
- Clarity of the water depends on conditions, could be very clear water, could be very murky and hard to see through/laser through
- Locking mechanism that can withstand 15kg/115N of force 1M away
- Needs to be able to release itself from the ice within one minute
- Needs to be able to attach itself to the ice within one minute
- Need to have six different types of heating settings, three for entering the ice, three for freeing yourself from the ice
- Hook/spring attachment with a heating element that will heat up and allow us to exit the ice
- Heating element size could be something like 1cm long, 3mm thick, make a bunch of these, design, test them, figure out how much power we need to insert it 5cm into the ice, how much power we need to get it out of the ice
- Nash is envisioning three main design things; one is heating in and getting out, control software, 3D imaging of a face, and data communication.
- Think through as many things that be quantitative as possible, send Nash an email
- BlueROV hasn't been ordered yet, Nash is heading to VA Tech tomorrow morning to get some information from them, current prediction is to meet and order ROV on Monday @ 9:30am, Megan will be here, get her up to speed, figure out the "bells and whistles" all figured out