

Client/CS Team Meeting - 1/8/2020

- Dr. Nash's son assembled the ROV but it hasn't been tested in the water yet
- Need to test it in the water, either looking into going to Dixon and testing it out there or going to some other source of water such as the ocean or river
- Need to come up with a set of goals/times that we can all get together to either be working on the system in the lab, or working on design
- Nash's availability is Monday, Tuesday, and Wednesday afternoons, June available Tuesday and Wednesday (until 6-6:30pm), Jasmine available Tuesday and Friday, and Anthony is available Monday-Wednesday from 3pm-7pm
- Prototype a set of arms in SolidWorks
- Andrew - go to Dixon and talk to them about possible pool time, maybe Langton if Dixon isn't as willing to give up pool time
- Short-term goals are to get temperature sensors for melting
- They have a new system that is kind of expensive but might be what we want, costs about \$5000 and will supply power to the ROV from the surface, might want to look into that
- Approach for data collection will be to go 15 minutes at a time, move again, collect for 15 more minutes, and repeat, up to an hour of data collection before returning to surface and downloading/analyzing data would be ideal
- If there's anything that we need to purchase, email Dr. Nash and he has a purchasing person who will help us take care of it and hopefully have it go through a grant line instead
- Planning to meet at the lab on Tuesday's at 4 for future work on the system with both teams
- Action items: SolidWorks implementation of the attachment arms, determine which microcontroller will be ideal/work with the system, researching/calling the thermal devices company and getting more information on their heating elements, battery management for heating elements