

Probably the most crucial part of our project to monitor the flow rates of water is to be able to measure the water levels through the use of sensors. There are many ways to do this whether through direct contact as in pressure sensors or through sonic/ultrasonic sensors. We plan to demonstrate how we can measure the differing water levels. With multiple ones we can see that flow changes throughout piping systems.

Week ending 11/15

- Further research types of flow detection sensors
- Decide upon which approaches seem more probable
- Order parts to build one or a couple of different options

Week ending 11/22

- Make sure we understand how the different systems work before we actually build any
- Build a testing rig

Week ending 11/29

- Start building some sensors before break
- Continue research if not sure how systems will work

Week ending 12/06

- Make sure sensors are done
- Test and compare the different approaches

Week ending 12/13

- Final tests to make sure everything is working as expected
- Practice presenting the system, explaining the way it works

Bowman Creek Project