

Super-Secret Test Zero

Location: Coeur d'Alene Beach Dock

Travel Report:

No issues loading up the submarine and handling gear. Secret testing location is within walking distance. Uphill is worse than downhill but manageable; no need for vehicle transportation.

Test Report:

Testing started out well, but some issues arose during progression of the testing process. Testing process report is as follows:

- General assembly and extension of the handling gear progressed well. Upon arriving to the winch connection, it was noticed that we do not have any monkey wrenches. Added to purchase list.
- Winch connection was not large enough. Will need a larger carabiner. Added to purchase list.
- Lowering to water was smooth from the dock. May need better planning to avoid scratching or dinging a boat.
- Camera connection worked well. Need to reattach frontal lights asap to actually see. Top facing camera from connections module viewed sub perfectly.
- Upon first testing of the thrusters, they did not work. Sub moved with tide. Upon restart of the thruster_client.py, controller connection to thrusters worked temporarily. Upon secondary disconnect, one thruster stayed on. Submarine spun out of control.
- Manually pulled submarine up to surface and disconnected power to thrusters.
- Lost a carabiner. Due to this, had to tie winch wire around to lift sub from water. Winch wire frayed, caution needed when handling further. Will need to cut and reassemble winch wire.

Extra Note: A laptop cover to protect from the sun would be nice to avoid heating the laptop.