

901007 - Benthic Biology & Ecology

Week 50

1. Enoch Nicholson
 - a. Scoped design changes and reviewed with Barry Lab

Week 47

1. Enoch Nicholson
 - a. Supporting Jim & Chris's testing

Week 46

1. Enoch Nicholson
 - a. Filtered seawater experiments
 - b. Chris found papers that indicate that the drift we are seeing could be from the sensor.

Week 44

1. Kent Headley
 - a. looked into question re Aanderaa optrode driver and power logic question

Week 43

1. Enoch Nicholson
 - a. Building up isolated chambers

Week 42

1. Enoch Nicholson
 - a. Drained Tub
 - b. Let BRS Sit

Week 40

1. Enoch Nicholson
 - a. Tap water testing

Week 37

1. Enoch Nicholson
 - a. Tap water experiment discussion & planning

Week 36

1. Enoch Nicholson
 - a. Tap water testing

Week 35

1. Enoch Nicholson
 - a. BRS tap water and chlorinated water testing continued.
 - b. Trying to isolate corrosion

Week 34

1. Enoch Nicholson
 - a. BRS tub test runs in the seawater lab

Week 32

1. Enoch Nicholson
 - a. Completed 3rd test tank run of BRS & reviewed data with Barry lab
 - b. Planned for next test.

Week 31

1. Enoch Nicholson
 - a. Met to discuss upcoming test plan

Week 30

1. Kent Headley
 - a. Among some issues Enoch is troubleshooting with MRS/BRS, there is a curious periodic power spike that seems to be associated with an Aanderaa optrode or related OASIS hardware/software. To help, I took a look at OASIS configuration and reviewed O5 modbus architecture.
2. Enoch Nicholson
 - a. Ran BRS in the test tank over the weekend. Currently reviewing data with Barry Lab

Week 27

1. Enoch Nicholson
 - a. Sent syslog to Jim

Week 26

1. Enoch Nicholson
 - a. Setup & tested BRS in chlorinated bath

- b. Submitted data to Jim for review

Week 25

- 1. Enoch Nicholson
 - a. BRS test planning

Week 22

- 1. Enoch Nicholson
 - a. Completed first tank test of BRS troubleshooting project

Week 21

- 1. Enoch Nicholson
 - a. Moved instrument to test tank
 - b. Began checkout of hardware

Week 13

- 1. Enoch Nicholson
 - a. Group check in and planning for July deployment
 - b. Tested flush and stir pumps for leaks. None found on first pass

Week 10

- 1. Enoch Nicholson
 - a. Sealed chamber by blocking off pump block & placing o-ring between lid and chamber body.

Week 9

- 1. Enoch Nicholson
 - a. Hydraulic pump testing & schematic drawing prior to leak testing chambers

Week 8

- 1. Enoch Nicholson
 - a. Hydraulic pump testing

Week 7

- 1. Enoch Nicholson
 - a. BRS kickoff meeting
 - b. Ordered vacuum test hardware

Week 6

1. Enoch Nicholson
 - a. BRS Schematic / instrument disassembly

Week 5

1. Enoch Nicholson
 - a. Moved BRS to B232
 - b. Obtained laptop for project
 - c. Located OASIS5 documentation
 - d. Powered and connected to BRS

Week 4

1. Enoch Nicholson
 - a. Moved BRS to Building B Lab