

901007 - Benthic Biology & Ecology

Week 33

1. Kent Headley
 - a. reviewing i2map layered control behaviors

Week 25

1. Enoch Nicholson
 - a. Wrapped up BRS instrument recovery and diagnosed chamber injection failures

Week 24

1. Enoch Nicholson
 - a. Cleaned lab space
 - b. Relocated BRS cart to the G high bay
 - c. Supported BRS Deployment

Week 23

1. Kent Headley
 - a. ran some BRS script sims
 - b. took a look at OASIS date issue on BRS; suspect dead coin cell (confirmation pending)

Week 21

1. Enoch Nicholson
 - a. Completed hydraulic pump assembly and resolved priming issue
 - b. Installed injection pumps and finished pump checkout
 - c. Coordinated elevator setup for BRS

Week 20

1. Enoch Nicholson
 - a. Verified all injection pumps held pressure after rebuild
 - b. Diagnosed leak in hydraulic pump barb fitting and rebuilt; assembled remaining two hydraulic pumps

Week 17

1. Enoch Nicholson
 - a. Filled BRS compensator and injection pump; tested pressure configurations
 - b. Installed QDC fittings on pump manifold and validated low-pressure regulator
 - c. Finalized compensator configuration

Week 16

1. Enoch Nicholson
 - a. Initiated pump tubing replacement and fluid swap from fluorinert to silicone oil; baselined dry current draw on 7 NF10 injection pumps
 - b. Rebuilt first injection pump with EPDM tubing and verified operation in housing
 - c. Ordered Cole Palmer hardware for 1/4-28 fill port conversion
 - d. Handed off updated pump drawing to Ray for NPT port machining and Uniontech reprint

Week 15

1. Enoch Nicholson
 - a. Performed BRS pump teardown and inspection; identified hydraulic pump tubing damaged by fluorinert
 - b. Purchased replacement tubing for hydraulic pumps
 - c. Submitted machine shop request for additional BRS pump housings
 - d. Assembled pump test equipment and trialed clamp tool

Week 14

1. Enoch Nicholson
 - a. Beginning instrument prep ahead of April deployment

Week 12

1. Enoch Nicholson
 - a. Injection and Hydraulic Pump Redesign

Week 11

1. Enoch Nicholson
 - a. Pump redesign for hydraulic and dosing system