

Doug Pargett

Week 45

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - August vacation

Week 44

- 300078 - DMO Support - AUV
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Week 43

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Week 42

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Week 41

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Week 40

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 - August vacation

Week 39

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 - August vacation

Week 38

- 300078 - DMO Support - AUV

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- Out of Office
 - August vacation

Week 37

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- Overhead
- Out of Office
 - August vacation

Week 36

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
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- Overhead
- Out of Office
 - August vacation

Week 35

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- Overhead
- Out of Office
 - August vacation

Week 34

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- Overhead
- Out of Office
 - August vacation

Week 33

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
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- Overhead
- Out of Office
 - August vacation

Week 32

- 300078 - DMO Support - AUV
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- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
 - Closing out my office here
- Out of Office
 - August vacation

Week 31

- 300078 - DMO Support - AUV
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- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie

- Overhead
- Out of Office

Week 30

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Transferring G3 ESP build knowledge
 - Some final design mods to the new handoff mechanism for G3
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
 - Cleaning and packing up office
- Out of Office

Week 29

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Knowledge transfer of ESP parts, models, and assembly methods.
 - Building bulkhead valve assembly
 - Revising drawings for outside shop
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
 - A few hours working with HR planning my departure from MBARI.
- Out of Office

Week 28

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Starting assembly of G3 sub-assemblies.
 - Ordering housing caps
 - Getting some parts reworked.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Finished out vacation week

Week 27

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Started assembly of parts for G3 bench instruments
 - Ordering housing caps, material and finish options. Payment issue remains.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - On vacation week of July 4th.

Week 26

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Ordering housing caps for G3 ESP
 - Starting build of sub-assemblies
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Back from spending a week helping my parents (Sick leave)

Week 25

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Back from off-grid vacation
 - Spending a week helping my parents (Sick leave)

Week 24

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
 - Built a new copper intake for the Saildrone and prepared equipment.

- Installed the MV3 instrument in Saildrone up at Alameda
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Making new drawings of housing caps for CNC machining.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Sick leave

Week 23

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office

Week 22

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
 - Replaced the intake tube on the Saildrone
 - Preparing the MV3 instrument for deployment
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Ordering parts and making drawings for CNC fabrication of the 10m housing end caps.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office

Week 21

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office

Week 20

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office

Week 19

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
 - The MV3 ESP is repaired, and has the external valve and new bottle holder. We're ready... if only Saildrone was ready.
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office

Week 18

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
 - Preparing the MV1 and Honu instruments for deployment.
- 708146 - Saildrone
 - Preparing the MV3 Instrument for the saildrone deployment.
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office

Week 17

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Rebuilding the MV1 ESP valve assembly to solve a combined leak and no-flow error.
 - Reassembling the MV3 ESP to prepare it for Saildrone deployment. Making a new bleach bottle holder and external valve assembly.

- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office

Week 16

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Calls and zoom meetings to support what I can remotely.
 - FEA of 10m housing redesign
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Back in home quarantine

Week 15

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Making mods to 10m housing design
 - Disassembled MV3 instrument to modify existing 10m housing end cap
 - Inventoried more G3 ESP parts for coming build
 - Sent fab requests to shop for part machining.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Vacation

Week 14

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
 - Finding valves that may be added to MV3 to work better during the long deployment. Looking for ways to mount and connect up for control/power.
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Repair of ESP MV1 oil diaphragm
 - Getting quotes, ordering parts
 - Checking inventory of parts in lab
- 901713 - Nearshore FOCE

- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
 - Meetings
- Out of Office
 - Sick leave for family health care, a few days.

Week 13

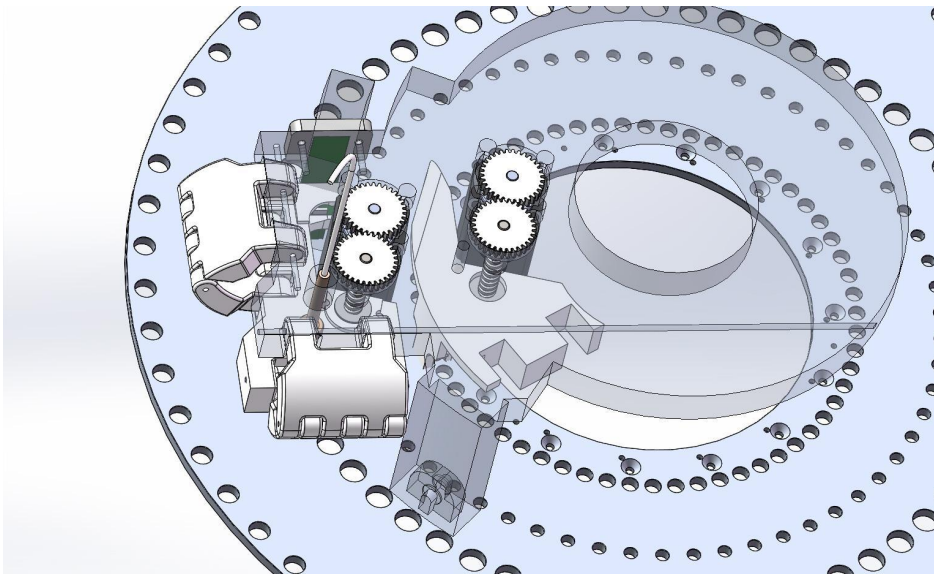
- 300078 - DMO Support - AUV
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- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Function cartridge status meetings discussing leaking and operation issues with the latest demo versions.
 - Meetings with NOAA and Seatrac to discuss issues and possible locations to mount the ESP.
 - Ordering long lead parts for the 2022 G3 ESP build-o-rama!
 - Investigating external valves for the G3 ESP and how to get that installed on the existing system quickly for the Saildrone deployment.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
 - DEI training
- Out of Office
 - Working from home for a while longer.

Week 12

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Working from home for a while longer.

Week 11

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
 - Meeting to discuss knowledge transfer
- 901205 - SURF Center
 - Redesigning actuators (for Function cartridges) to have greater throw and fit inside the limited space. Using shorter X208 stepper motors and Sarrus linear motion linkages. Currently iterating the linkage geometry for full range of motion but also to not interfere with other parts. About 60% design stage.



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- Organizing and ordering parts for 2022 build of ESP instruments and equipment.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Working from home for a while longer.

Week 10

- 300078 - DMO Support - AUV
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- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Working from home for a while longer.

Week 9

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Redesigning the handoff mechanism for G3 ESP.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
 - Meetings
- Out of Office
 - Working from home for a while longer.

Week 8

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Working from home for a while.

Week 7

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Working on a bill of materials for the next ESP build
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Working from home for a while.

Week 6

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office

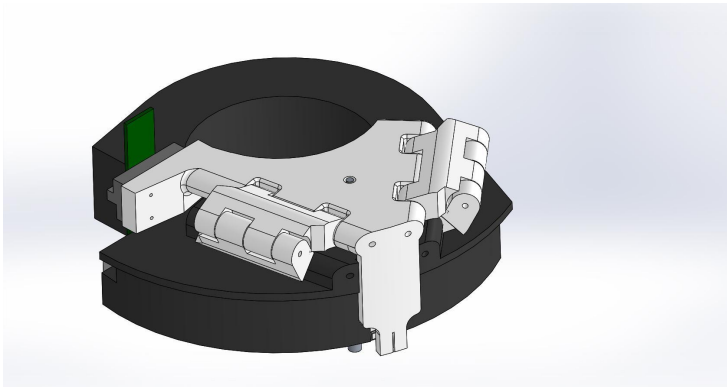
Week 5

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Ordered new 3d printed toroid valve rings.
 - Documenting Bill of Materials for next ESP builds
 - Completed redesign of the linkage for the G3 valve actuator, had to modify to reroute cables and include an aluminum motor mount plate.

- Inspected latest cartridge parts
- Inspected SeaTrac vehicle for installing a G3 ESP into.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
 - reviews
- Out of Office

Week 4

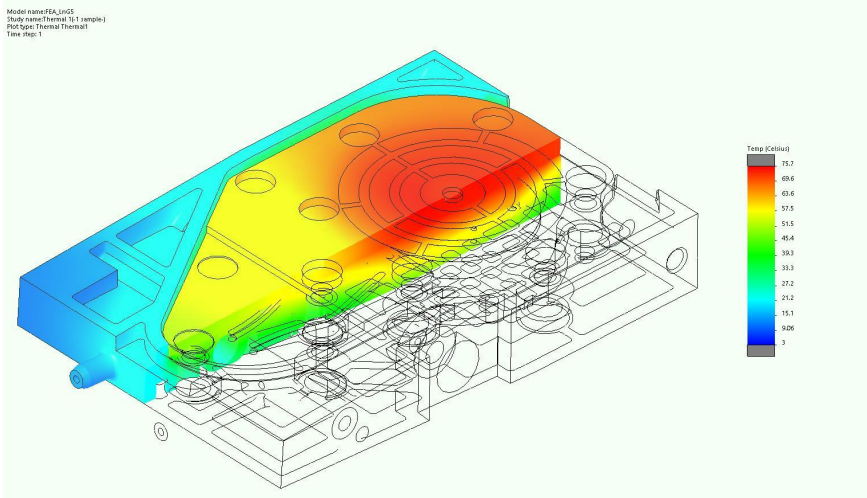
- 300078 - DMO Support - AUV
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- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Thermal FEA of latest Function design. Estimating the power split to better balance the temperature of the filter.
 - Redesigning the linkage for the G3 valve actuator to clear interferences and maintain linear motion.



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- Reviewing G3 pump calibration process
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Sick leave
 - Working remotely

Week 3

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Coordinating work in machine shop and ordering new parts.
 - Lots of FEA work for the new cartridges.



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- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Holiday
 - Working from home during the outbreak at the schools.

Week 2

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Running thermal and pressure FEA models of new cartridge with the mods needed for injection molding.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead
- Out of Office
 - Working from home until testing clears.

Week 1

- 300078 - DMO Support - AUV
- 708143 - ECOHAB - Andy Allen
- 708146 - Saildrone
- 901007 - Benthic Biology & Ecology
- 901205 - SURF Center
 - Disassembled the bad toroid valve ring and delivered it to the shop as a test article for machining the new one.
 - Working (from home) on the design for the new toroid valve actuator to fit in the reduced space but still use the same motor and similar mechanism.
- 901713 - Nearshore FOCE
- 902101 - LRAUV Technology Development and Fleet Operations
- DQ1971 - PCM/HAB Lake Erie
- Overhead

- Meetings
- Out of Office
 - Some vacation time last week.
 - Working from home until testing clears the latest school exposure notices.