<u>Vessel:</u> Queen of Oak Bay   <u>Date:</u> 2016-08-17

<u>Arrival:</u> We signed in at Departure Bay terminal supervisor at 7:45, got on ferry for 8:30 departure (left at 8:40). Arrived back at Departure Bay at about 12:40.

<u>Reporter:</u> Ian Beliveau   <u>Staff:</u> Ian Beliveau, Ian Giraudy

Reason for Visit

Instrument cleaning and benchmarking

Observations

- Instrument system dry and running properly on arrival.
- Damage on BBFL2 housing is still a problem – housing was not replaced this trip
  - New housing is now available, current housing water volume is about 465cc in front of lens.
- There was quite a bit of algae growth in the system.
- During benchmarking, BBFL2 s/n 1053 CDOM read lower than 300, lower than the 450 expected.
- Seastrainer had a lot of material in it (see pictures).
- Visited above decks – telemetry cabinet and SAS auxiliary box are in good shape and dry.
  - SAS mount is ok, does not vibrate too much, bolts tight.
  - Very windy out – vibration on main rail mount is very high. This was already anticipated as a problem in the future.

Actions Taken

1. Shut off output gate valve, otherwise system pressure causes constant water flow from open tubes.
2. Cleaned and performed benchmarks on optode s/n 418 and BBFL2 s/n 1053.
3. Cleaned out TSG s/n 17, had sediment and some growth in it.
4. Replaced instrument ¼" brass barb fitting on BBFL2 and matching manifold fitting with regular 3/16" barb fitting.
5. Cleaned and flushed seastrainer.
6. Opened output gate valve, started system, verified no leaks.

Future Actions (High Priority in Red)

- Replace BBFL2 housing – note housing water volume.
- Bring a small bucket to empty/flush seastrainer
- Think of ways to reduce vibrations on upper railing.

Pictures

Above: this is the crap in the seastrainer. Probably organic but there may be other stuff.