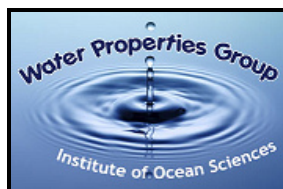


WaterProperties.ca**Cruises****Tools****Data****Groups****About Us**Logged in as **Kyoung (Kelly) Young**[Account Dashboard](#)[Logout](#)

Water Properties Group

Fisheries and Oceans Canada
Institute of Ocean Sciences, Sidney, BC

Science Cruise Report

Your cruise report has been recorded. Please review the document below to ensure that there are no errors. If you wish to edit your cruise report then you may click 'Edit This Cruise Report' button at either the top or bottom of this page.

Distributing Your Cruise Report to Cruise Participants, the Vessel, Coast Guard, the IOS Winch Shop, and the PSVC committee

When you are ready, you may distribute an email containing a link to your completed cruise report to all participants listed on your cruise plan, the vessel you are sailing on, the Regional Operations Centre at Coast Guard, the IOS Winch Shop, and the PSVC committee.

An email may be automatically generated by clicking on the button below and this will provide a link to your reports in the email. This email will be generated using your default email application (e.g., Outlook, Thunderbird, etc) and sent from your account. *You will be able to edit the email message before sending, including adding any other comments or adding other email address that might have an interest in your report.*

Alternatively, if you wish to share this cruise report with others or print off copies, then make sure to use this link:

<https://www.waterproperties.ca/requests/cruisereportview.php?cruiseid=2020-007>



Regional Operations Centre, Canadian Coast Guard Western



Science Cruise Report: PAC 2020-007

Report last updated: 2020-03-24 09:47:10

Link to Original Plan: [https://www.waterproperties.ca/requests/cruiseplanview.php?](https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2020-007)

[cruiseid=2020-007](https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2020-007)

Department/Group:	Fisheries and Oceans Canada, OSD
Other Participating Groups:	
Science Cruise Number:	PAC 2020-007
Alternative Cruise Number:	
Ship's Patrol Number:	
Name of Vessel/Platform:	Neocaligus
Dates:	From: Monday 16-Mar-2020 To: Saturday 21-Mar-2020

[Water Properties.ca](#)
[Cruises](#)
[Tools](#)
[Data](#)
[Groups](#)
[About Us](#)

Kelly Young, 250-363-6502, kelly.young@dfo-mpo.gc.ca
 Logged in as Kelly Young (Kelly Young)

[Account Dashboard](#)
[Logout](#)

Master: Dustin Flahr

Fishing Master:

Appropriateness of Vessel: Excellent

Time Allocations

Originally Allocated Days **6.00**
 Accounting below is given in days and should match the originally allocated days above.

Weather	+ 0.00	
SAR	+ 0.00	
CCG Refueling	+ 0.00	
CCG Ship Repair & Maintenance	+ 0.00	
CCG Crew Changes	+ 0.00	
CCG Other	+ 0.00	
Science Operations	+ 5.00	
Science Equipment Loading/Unloading	+ 1.00	last day for vessel to return to PBS
Science Other	+ 0.00	
Days Gained	+ 0.00	
Days Grand Total	= 6.00	

Time Allocation Comments:

Cruise Events

Areas of Operations
 [Not Entered]

Scientific Personnel

Male - Name	Notes (Affiliation, Watches, Duties, etc)
Mark Belton	chief scientist - on board lead

Female - Name	Notes (Affiliation, Watches, Duties, etc)
---------------	---

Event Log
 Summary provided by Mark Belton:
 Science staff (Mark Belton) boarded the vessel ~1000 16Mar2020. Equipment set up (filtration, field computer, zooplankton nets, etc.) Science staff questioned regarding health and permission to board in light of COVID-19 pandemic.
Day 1
 Departed PBS ~1100 and proceeded to GEO1. All equipment performed well at first (test) station. Completed stations GEO1, 2 and 3. Anchored in Baynes Sound. Casts uploaded that night and viewed in Seasave; appeared successful.
Day 2
 Completed BS11 followed by CPF2, 6, 9, 11, 12, 20, 22, IS-2, 24; working up and north around Texada island and down south through Malaspina Strait. Much of the water observed as brown and in bloom. Anchored on south end of Lasqueti Island.

Continued working south through the Strait of Georgia; stations CPE1, 27, 28, 38, 108, PBS and tied up. Let off Neocaligus engineer Gord for annual leave. A replacement engineer Geoff was onboard for training and continuing in Gord's absence.

Day 4

Headed south hitting stations 40, 42 46, 56, 59, GI01 and SC-04. Anchored in Cowichan Bay.

Day 5

Finished last station CBE2 in Cowichan Bay and proceeded to IOS for unloading ~0930. Washed all equipment with fresh water. Shore crane contacted and available to move containers from dock to the Jetty. Neocaligus aft table was recovered.

Scientific Equipment Report

All stations were hit and all planned sampling regimes carried out. All CTD casts successfully uploaded and saved to 2020-007 cruise folder on OSDcommon/Raw. Niskins, net and other equipment performed well. All necessary equipment provided

Radioisotope Report

[Not Entered]

Scientific Successes and Concerns

GPS tracking was not initiated until late on Day 2 as the software was not found on the provided laptop. Turns out it was on the laptop and tracks started late on Mar17 (heading down Malaspina Strait). Missing tracks provided by the Neocaligus (Mar 16 and 17). Tracks saved to the 2020-007 folder.

Couple instances where flow meter read lower or higher than expected. Possibly operator error? Not sure.

Had trouble uploading CTD files following day 4; could not connect to Seaterm. Thought possibly batteries dead and therefore swapped out, but still no success. Successfully uploaded at IOS (possible loose cable or poor USB port on older CTD laptops resulted in the problem).

Table height for filtration rig was somewhat awkward, however, this is personal preference.

Electronic log was not complete as time did not permit.

Platform Successes and Concerns

Crew performed well during some challenging uncertain times.

Safety Concerns

There was a lot of anxiety and concern amongst the crew with continuing operations of non-essential field trips in light of the COVID-19 pandemic. This made for a tense and anxious environment at times.

Hazardous Occurrences

[Not Entered]

Other Comments

Thank you Neocaligus Captain and crew for successful trip.

Thanks to Greg Middleton for help offloading the gear at the end of the trip.

Images



[Cruises](#)
[Tools](#)
[Data](#)
[Groups](#)
[About Us](#)

[Account Dashboard](#)
[Logout](#)



Image notes:

Page generated from: <https://www.waterproperties.ca:443/requests/cruisereportssubmit.php> on Tuesday 24 March 2020 09:47:10

[Edit This Cruise Report](#)


[Water Properties Main Page](#)