



Regional Operations Centre, Canadian Coast Guard Western



Science Cruise Report: PAC 2021-004

Report last updated: 2021-02-17 13:16:36

Link to Original Plan: <https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2021-004>

Department/Group: Fisheries and Oceans Canada, OSD

Other Participating Groups:

Science Cruise Number: PAC 2021-004

Alternative Cruise Number:

Ship's Patrol Number:

Name of Vessel/Platform: Neocaligus

Dates: From: Thursday 11-Feb-2021 To: Tuesday 16-Feb-2021

Chief Scientist: Kelly Young, 250-363-6502, kelly.young@dfo-mpo.gc.ca

Master: Dustin Flahr/ Simon

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	+ 0.50
Science Other	+ 0.50 transit back to PBS
Days Gained	+ 0.00
Days Grand Total	= 6.00

Time Allocation Comments: Completed trip and offloaded gear at IOS Monday afternoon. Remaining time used for vessel to return to PBS

Cruise Events

Areas of Operations

Strait of Georgia

Scientific Personnel

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

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

Kelly Young

Event Log

11 Feb 2021. Met vessel at PBS. Completed station GEO1, headed N to anchor off Lasqueti Island

12 Feb 2021. Headed W then N, completed stations 3, 6, CPF2, BS-11, 9, 11, 12, 20. Anchored off Malaspina St

13 Feb 2021. Headed SE down Malaspina St, completed stations 22, IS-2, 24, 2, CPF1, 28, 27. Returned to PBS for the night

14 Feb 2021. Completed stations 38, 39, 40, 108, 41, 42, 46, 56. Anchored Bedwell Harbour.

15 Feb 2021. Completed stations 59, GI-01, SC-04 and CBE2. Tied up at IOS, offloaded some science gear and 1 science personnel. One cage of gear remained on board for March trip.

16 Feb 2021. In schedule for boat to return to PBS

Scientific Equipment Report

Cold weather caused some issues with the CTD and a Niskin bottle (batteries failed – were replaced; one of the Niskin broke at wire attachment, had spare available on board)

Radioisotope Report

[Not Entered]

Scientific Successes and Concerns

Protocol to check for fluorometer light before CTD was switched off at the end of the cast identified problems on the first cast of the trip, allowing it to be fixed before moving on with the survey and prevented a loss of data. Scott was available by phone to help talk through the CTD failure and reminder for how to replace the CTD batteries.

Thanks to Nina, Kenny, Mark, Scott/Rowan for their gear, everything functional. Thanks to Germaine for reviewing the CTD data at the start of the trip.

Thanks to Chelsea for the drive to/from PBS on loading day.

Thanks to Rick for use of his table

Platform Successes and Concerns

Excellent platform and crew.

Safety Concerns

CCGS Neocaligus is a vessel with limited space for crew. The benefit of this survey is there is only one science crew joining the crew 'bubble', minimizing the potential exposure risk. The science person stayed on board with the crew and followed the CO's direction in regards to meal times and personal spacing within the living quarters of the vessel. A single-occupancy cabin was provided to the science staff, and a UV-filtering air purifier was used when in the cabin overnight.

In an effort to reduce the potential Covid-19 transmission on the vessel, science staff followed all of the approved Pandemic Response SWP procedures in place including: General Duties; Working in shared workspaces or with shared equipment; Use of vehicles or small boats; Working in the Public and Conducting field work. All staff participating read and signed the SWPs and CCG SOPs specific to the Covid-19 Pandemic Response. All the following General Protocols (GPs) to mitigate risks associated with COVID-19, as well as following all appropriate Safe Work Procedures (SWPs) to mitigate work-related risks were followed, as required by the ship's captain:

- GP-1. Staff practiced high personal hygiene by washing hands with soap and water regularly and when not available, using approved hand sanitizer; all lab space high touch points were wiped down at least daily (e.g., in vehicles, tools, instrumentation, etc.) with approved sanitation wipes or alcohol (at least 70%).
- GP-2. Staff worked individually at IOS, as much as possible, when preparing the instrumentation and storing the samples upon return from sea.
- GP-3. At sea the science crew observed physical distancing guidelines and followed protocols as required by the ship's captain.

As with all vessels, there is a risk of transmission if one person comes on board with COVID even when all protocols are being followed. It would be beneficial if some sort of rapid testing was available for the start and end of all trips to ensure people are not bringing it on board or going home infected.

Hazardous Occurrences

None

Other Comments

Thank you Neocaligus Captain and crew for successful trip.
 Thanks to Capt. Dustin Flahr for his years at the helm – you will be missed!
 Thanks to incoming Capt. Simon for successful completion of the trip.
 And thanks to Rob – for letting me use his cabin and his help on deck; Colin for the excellent meals; and Doug for all his help on deck.
 Thanks to Greg Middleton for help offloading the gear at the end of the trip.

Images

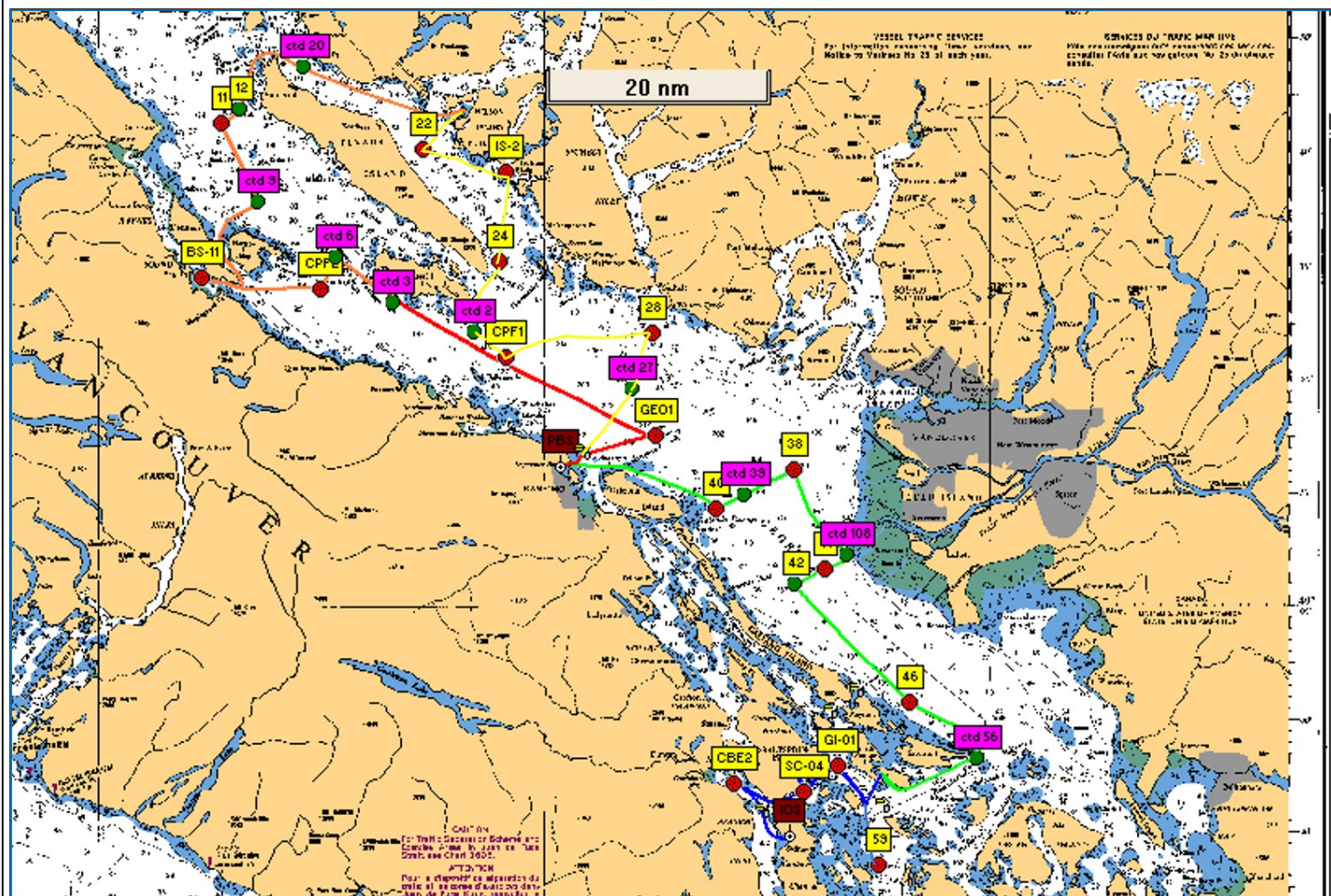


Image notes:

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