



Regional Operations Centre, Canadian Coast Guard Western



Science Cruise Report: PAC 2021-018

Report last updated: 2021-10-18 12:53:46

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2021-018>

Print Report to Printer or PDF

Department/Group: Fisheries and Oceans Canada, OSD

Other Participating Groups:

Science Cruise Number: PAC 2021-018

Alternative Cruise Number:

Ship's Patrol Number:

Name of Vessel/Platform: Vector

Dates: **From:** Wednesday 06-Oct-2021 **To:** Thursday 14-Oct-2021

Chief Scientist: Caitlin O'Neill, 250-363-6605, caitlin.oneill@dfo-mpo.gc.ca

Master: Dustin Flehr

Fishing Master:

Appropriateness of Vessel: Excellent

Time Allocations

Originally Allocated Days **8.00**
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	+ 7.00
Science Equipment Loading/Unloading	+ 1.00
Science Other	+ 0.00
Days Gained	+ 0.00

Days Grand Total **= 8.00**

Time Allocation Comments: We operated 24 hour days, as specified in the cruise plan.

Cruise Events

Areas of Operations

Juan de Fuca, Strait of Georgia, West Coast Vancouver Island

Scientific Personnel

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

Peter Van Buren

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

Caitlin O'Neill

Christie Morrison

Danielle Caleb

Event Log

Oct 6: load equipment, winches, and A-frame at IOS, covid tests, fire drill, fam tour. 21:00 Leave IOS and perform test CTD cast in Saanich Inlet. Overnight transit to Swiftsure Bank.

Oct 7: Service Swiftsure MEQ mooring, triangulate, and CTD cast. Attempt to retrieve Swiftsure ISZ mooring. Service Swiftsure shelf mooring, triangulate, and CTD cast. Overnight search for Swiftsure ISZ mooring.

Oct 8: Service Swiftsure canyon mooring, triangulate, and CTD cast. Deploy Swiftsure ISZ mooring, triangulate, and CTD cast. Retrieve 13 fish receiver moorings. CTD at Nininat mooring. Overnight: Acoustic transects with CTDs in Juan de Fuca Strait.

Oct 9: Service Port Renfrew mooring, triangulate, CTD cast, small boat observation. Service Jordan River mooring, triangulate, and CTD cast. Overnight: Acoustic transects with CTDs in Juan de Fuca Strait, Haro Strait, and Boundary Pass.

Oct 10: Service East Point mooring, triangulate, CTD cast, small vessel observation. Service Boundary Pass mooring, triangulate, CTD cast, small vessel observation. Service Swanson Channel mooring, triangulate, CTD cast, small vessel observation. Overnight: Acoustic transects with CTDs in Swanson Channel, Boundary Pass, and Strait of Georgia.

Oct 11: Service Strait of Georgia south mooring, triangulate, CTD cast, small vessel observation. Service Strait of Georgia north mooring, triangulate, CTD cast, small vessel observation. Overnight: acoustics transects with CTDs in Strait of Georgia, Boundary Pass, and Haro Strait.

Oct 12: Service Sooke mooring, triangulate, CTD cast, small vessel observation. Service Haro Strait mooring, triangulate, CTD cast, small vessel observation. Overnight: acoustic transects with CTDs in Haro Strait, Boundary Pass, and Swanson Channel.

Oct 13: Acoustic transects with CTDs in Boundary Pass and Strait of Georgia.

Oct 14: Unload equipment, A-frame, and winches at IOS.

Scientific Equipment Report

Everything worked as planned.

We had issues using UHF radios when operating the 9 CTD. The radios interfered with the CTD communications so we used VHF instead.

Radioisotope Report

N/A

Scientific Successes and Concerns

25 out of 26 moorings were successfully retrieved. 13 out of 13 moorings were successfully deployed. Lots of CTD casts performed.

Platform Successes and Concerns

CCGS Vector is a fantastic vessel for our science operations.

Safety Concerns

No safety concerns.

Hazardous Occurrences

No hazardous occurrences.

Other Comments

[Not Entered]

Images

[No Alternative Image Provided]

Image notes:

Page generated from: <https://www.waterproperties.ca:443/requests/cruisereportview.php?cruiseid=2021-018> on Wednesday 20 October 2021 10:21:39