



Regional Operations Centre, Canada

Science Cruise Report:

Report last updated

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Department/Group: Fisheries and Oceans Canada, OSD

Other Participating Groups:

Science Cruise Number: PAC 2024-014

Alternative Cruise Number:

Ship's Patrol Number: 24-08

Name of Vessel/Platform: Vector

Dates: From: Tuesday 08-Oct-2024 To: Tuesday 15-Oct-2024

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

Master: Scott Shave

Fishing Master: N/A

Appropriateness of Vessel: Excellent

Time Allocations

Originally Allocated Days **7.00**

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	+ 0.75 waiting for CCG crew member to arrive
Science Operations	+ 6.00
Science Equipment Loading/Unloading	+ 0.25
Science Other	+ 0.00
Days Gained	+ 0.00
Days Grand Total	= 7.00

Time Allocation Comments:

24 hour operations were specified in my cruise plan and these requiremen

Cruise Events

Areas of Operations

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

Scientific Personnel

Name	Notes (Affiliation, Watches, Duties, etc)
Caitlin O'Neill	
Robyn Taves	
Maximilian Lauch	
Erinn Raftery	
Svein Vagle	
Rianna Burnham	
Hayleigh Shannon	

Event Log

Oct 8: 09:30-13:00 loaded ship (got ship early because the previous cruise came back and unloaded the night before). Couldn't leave IOS because we we
Oct 9: 07:30 departed IOS. Conducted practice mooring deployments and retrievals and test CTD cast in Patricia Bay. Service Swanson Channel mooring

and CTDs in Boundary Pass, Swanson Channel, and Haro Strait.

Oct 10: Serviced Haro Strait and Sooke moorings (with triangulations and CTDs). Fire drill. Practiced mooring deployments and retrievals with A-frame. (

Oct 11: Serviced Swiftsure MEQ and Carmanah moorings (with triangulations and CTDs). Retrieved Nitinat North mooring. Overnight acoustic transects

Oct 12: Serviced Port Renfrew and Jordan River moorings (with triangulations and CTDs). Deployed Otter Point mooring. Overnight acoustic transects ar

Oct 13: Serviced Strait of Georgia South and Strait of Georgia North moorings (with triangulations and CTDs). Check on Point Grey South mooring. Trian

moorings.

Oct 14: Serviced Strait of Georgia Southeast mooring (with triangulation and CTD). Acoustic transects and CTDs over Strait of Georgia Southeast, Bound

Oct 15: 07:00-09:00 arrive at IOS and offload.

On the overnight shift Erinn also processed all the chlorophyll samples from the previous Strait of Georgia cruise.

Scientific Equipment Report

Successes:

Able to service and deploy all the moorings. CTD worked well.

Failures:

Acoustic mooring deck unit and transducer still having issues and will go back for RMA.

Radioisotope Report

N/A

Scientific Successes and Concerns

Successes:

We were able to service and/or deploy 13 Salish Sea acoustic moorings and complete acoustic transects and CTDs overtop of them.

Erinn processed all the chlorophyll samples from the previous Strait of Georgia cruise while onboard. This is the second time that she's successfully dor

We did practice mooring deployments and retrievals with our spare mooring and the crane and A-frame beforehand, which helped train and familiarize

Concerns:

None.

Platform Successes and Concerns

Successes:

The CCGS Vector is the perfect vessel for our operations. The low freeboard allows for relatively easy mooring deployment and retrieval and there's enc too. Captain Shave and his crew are enjoyable to work with and are supportive of completing science work. The bosun (Evan Scott-Moncrieff) was really also good at communicating calmly and professionally with the deck crew during operations. The cooks were great at incorporating our dietary restricti

Concerns:

None.

Safety Concerns

None.

Hazardous Occurrences

None.

Other Comments

[Not Entered]

Images



Image notes:

We saw so many humpback whales!

Other Supporting Documents:

Note that some of these files may not load correctly in your browser when clicked, but you can right-click on them and save them to your local machine to view.

Filename	Type	Size	Modified
 2024-014_deckplan.docx	file	37K	Friday 23 Aug 2024 16:06
 2024-014plan1.jpg	file	94K	Friday 23 Aug 2024 16:06
 2024-014plan3.jpg	file	197K	Friday 23 Aug 2024 16:06
 2024-014plan4.jpg	file	185K	Friday 23 Aug 2024 16:06
 2024-014report1.jpg	file	690K	Friday 18 Oct 2024 11:36