



Regional Operations Centre Canadian Coast Guard Western



Science Cruise Report: PAC 2022-036

Report last updated: 2022-08-08 09:18:22

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2022-036>

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Department/Group: Fisheries and Oceans Canada, ESD
Other Participating Groups:
Science Cruise Number: PAC 2022-036
Alternative Cruise Number:
Ship's Patrol Number:
Name of Vessel/Platform: Vector
Dates: From: Wednesday 18-May-2022 To: Monday 13-Jun-2022
Chief Scientist: Tammy Norgard, 250-756-7005, tammy.norgard@dfp-mpo.gc.ca
Master:
Fishing Master:
Appropriateness of Vessel: Not Rated

Time Allocations

Originally Allocated Days 26.00

Accounting below is given in days and should match the originally allocated days above.

Weather	+ 0.00	
SAR	+ 0.25	stood by a Prawn Boat in Knight Inlet so we didnt have time that night to test the ROV before dark
CCG Refueling	+ 0.00	
CCG Ship Repair & Maintenance	+ 0.00	
CCG Crew Changes	+ 1.00	
CCG Other	+ 0.00	
Science Operations	+ 24.75	
Science Equipment Loading/Unloading	+ 0.00	
Science Other	+ 0.00	
Days Gained	+ 0.00	

Days Grand Total = 26.00

Time Allocation Comments: Due to the ROC not being able to charter a plane for the ship's planned crew change in Port Hardy we had to crew change at IOS. The off going crew was able to use some of their time to load the ship but we still had to transit to the Central Coast to start working. This took 1.5 days away from Science time for transit which was hard to deal with because we missed the best 2 days of low tide because of this issue. The crew changes for the past few years have

landed on the best low tides so we try to set up a quick turn around on crew changes to maximize the survey days during the low tides. The Coast Guard crew and Captain were excellent in helping to find ways to make for the lost days.

Cruise Events

Areas of Operations

Hecate Strait

Scientific Personnel

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

Benjamin Snow
Andrew Vanier
Patrick Thompson
Cole Fields
Andrea Hilborn
Sylvia Harron
Ashley Park
Kayleigh Gillespie

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

Tammy Norgard
Sarah Dudas
Cherisse DuPreez
Emily Rubidge
Michelle Bigg
Vanessa Hodes
Heidi Gartner
Sarah Davies
Carrie Robb
Shannon Schmunk
Miriam O
Stacey Hrushowy

Event Log

Event Log

16-May- Loaded ROV and equipment at PBS

17-May- Load the rest of the gear at PBS, tested ROV and Vector left at 2pm

18-May - Huge wind storm but we were able to load the ship and it was able to leave the dock at 6pm we had to leave to make the Seymore narrow slack the next morning at 8am.

19-May-;Transit through seymore arrived in knight inlet to survey sill but had to stay beside a broken down prawn boat so our dive was delay to long it was going to be dark when the ROV was coming up. So we decided to spend the night in Knight inlet

20-May- Test ROV in Knight Inlet

21-May-Shore team completed 3 beaches (South Campania, South of Duckers and then Carne Bay). ROV team dove at Campainia Island and Racey Inlet

22-May- ROV crew completed 3 dives (South Campania and 2 more across the channel). Intertidal crew surveyed Anderson Island, Dewdney Island, Oslwald Bay.

23-May-ROV survey Finlayson Channel and intertidal crew went to Higgins Pass to complete Drone surveys

24-May- ROV survey Finlayson Channel and intertidal crew went to Higgins Pass to complete Drone surveys

25-May- ROV survey Finlayson Channel and intertidal crew stayed on board ndash; rough weather we had to stop the last dive because the seas were too rough.

26-May- Science Crew Change day

27-May - Intertidal survey of Survey of Nichol+Barnard Isl

28-May ndash; Intertidal survey of Survey of Carne Bay

29- May- Intertidal survey of Survey of Oswald Bay
30- May- Intertidal survey of Survey of South Dewdney Island
31-May- Intertidal survey of Survey of Borrowman Bay and South of Anderson Island
1-June- Intertidal survey of Survey of North of Duckers Island
2-June- Intertidal survey of Survey of South Campania Island
3-June- Intertidal survey of Survey of North Campania Island
4-June- Intertidal survey of Survey of Ormidale Harbour and Dunnas Point
5-June-Crew change day
6-June- eDNA water sampling Southern Area in Camaano Sound
7-June- eDNA water sampling Southern Area in Camaano Sound
8-June- eDNA water sampling Northern Area ndash; Caamano/Douglas Channel
9-June- eDNA water sampling Caamano/Douglas Channel
10-June- eDNA water sampling Caamano/Douglas Channel
11-June- eDNA water sampling Caamano Sound
12-June- eDNA water sampling Lophelia reef/sponge, Finlyson Channel, travel to Port Hardy
13-June- Offload Port Hardy

Scientific Equipment Report

We were able to have the ROV and intertidal survey boat but working off the Vector this survey. This allowed for more work to be completed. We are very limited in location that we can port side lift the small boat off the ship because we needed to do this lift in calm seas.

Radioisotope Report

NA

Scientific Successes and Concerns

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This survey was a great success for our section. We were able to collect baseline data for marine conservation for three programs in our section. We were also able to work with our Kitasoo partners and have them on board while we were discovering the coral reef.

Platform Successes and Concerns

The Coast Guard crew was an excellent team and did everything to make sure we were able to use our time that effectively.

Safety Concerns

NA

Hazardous Occurrences

NA


Other Comments

[Not Entered]

Images

[No Alternative Image Provided]
Image notes:

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
 2022-036plan2.jpg	file	58K	Monday 04 Apr 2022 12:07