



Regional Operations Centre Canadian Coast Guard Western



Science Cruise Report: PAC 2022-012

Report last updated: 2022-04-21 11:23:29

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2022-012>

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Department/Group: Fisheries and Oceans Canada, OSD
Other Participating Groups:
Science Cruise Number: PAC 2022-012
Alternative Cruise Number:
Ship's Patrol Number:
Name of Vessel/Platform: Vector
Dates: From: Wednesday 06-Apr-2022 To: Tuesday 19-Apr-2022
Chief Scientist: David Spear, 236-464-2073, david.spear@dfo-mpo.gc.ca
Master: Dale Unruh
Fishing Master: n/a
Appropriateness of Vessel: Excellent

Time Allocations

Originally Allocated Days 0.00

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	+ 11.00	
Science Equipment Loading/Unloading	+ 1.00	
Science Other	+ 2.00	travel time, to and from the study areas
Days Gained	+ 0.00	
Days Grand Total	= 14.00	

Time Allocation Comments:

Cruise Events

Areas of Operations

Strait of Georgia, Johnstone Strait, Northwest Coast Vancouver Island, Hecate Strait

Scientific Personnel

Name	Notes (Affiliation, Watches, Duties, etc)
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David Spear	
Stepen Page	
Sophia Johannessen	
Cindy Wright	

Event Log

April 6th -; loading at IOS and departing

April 7th - Steaming up Johnstone Strait and deploying drifters near Pine Island

April 8th - CTDs, rosettes and a box core in Roscoe Inlet, and CTDs and rosettes in Spiller Inlet

April 9th -;CTDs, rosettes and a box core in Mathiesen Channel, and CTDs and rosettes in Kynoch Inlet and Mussel Inlet

April 10th -;CTDs and rosettes in Green Inlet Graham Channel, Tolmie Channel and ;rosettes and a box core in Finlayson Channel

April 11th - CTDs and rosettes in Surf and Laredo Inlets

April 12th - aborted rosette station at HAK1 due to rough weather , CTDs and rosettes in Fitzhugh Sound, Fishegg Inlet, Boswell Inlet and Smith Inlet

April 13th -; CTDs, rosettes and a box core in Seymour Inlet, and CTDs and a rosette in Frederick Sound

April 14th - CTDs and rosettes in Belize Inlet and Mereworth Sound, RBR CTD casts done from FRC in Alison Sound

April 15th - CTDs, Rosettes and a Box Core in Kincome Inlet

April 16th - CTDs and rosettes in Tribune Channel and wetern Knight Inlet

April 17th - CTDs, rosettes and a box core in Knight Inlet

April 18th -; steaming south to IOS, a somewhat less than pleasant trip down the Strait of Georgia against a SE gale.

April 19th - Offload at IOS

Scientific Equipment Report

The Wide Band Transceiver WBT for the 12 kHz Simrad/Kongsberg sounder was reinstalled after a 2 year absence.;

We had a temporary tower computer running it and will look into getting a more permanant rack-mount PC solution

Radioisotope Report

N/A

Scientific Successes and Concerns

We managed to complete transects of most of the major Inlets of the central BC coast.; Transects of Dean

and Burke Channels were recently conducted by the Tully at the end of the Line P program.

Platform Successes and Concerns

The Vector is an ideal platform for this sort of program, able to access tighter spots than larger vessels would be able to.;

Safety Concerns

N/A

Hazardous Occurrences

N/A

Other Comments

Captain;Dale Unruh and the crew of the Vector were very helpful and enthusiastic, doing everything that they could to make the cruise the success that it was.

Images

[No Alternative Image Provided]

Image notes:

Knight inlet

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