



Regional Operations Centre Canadian Coast Guard Western



Science Cruise Report: PAC 2022-070

Report last updated: 2022-10-20 11:46:57

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2022-070>

Print Report to Printer or PDF

Department/Group: Fisheries and Oceans Canada, OSD

Other Participating Groups:

Science Cruise Number: PAC 2022-070

Alternative Cruise Number:

Ship's Patrol Number:

Name of Vessel/Platform: Vector

Dates: From: Wednesday 05-Oct-2022 To: Wednesday 12-Oct-2022

Chief Scientist: Peter Chandler, 250-363-6750, peter.chandler@dfo-mpo.gc.ca

Master: Bennett Light

Fishing Master: Chief Scientist onboard: Kelly Young

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	+ 0.25	winds in Strait of Georgia late Oct 10; hide in Jervis Inlet
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	+ 0.75	
Science Other	+ 0.00	
Days Gained	+ 1.00	return to Pat Bay 15h00 11 Oct 2022

Days Grand Total = 7.00

Time Allocation Comments: Minor traffic delays in JdF/Haro Strait area. Boatswain had to depart on 9 Oct 2022 but no significant delays. Station 21 (off Cbell River) not sampled due to tides.

Cruise Events

Areas of Operations

Juan de Fuca, Strait of Georgia

Scientific Personnel

Name	Affiliation	Cabin	Watch	Notes
Scott Rose	OSD			senior ctd tech
Sebastien Donnet	OSD			filtering, training
Kenny Scozzafava	OSD			oxygen processing
Kelly Young	OSD			chief scientist
Francesca Loro	OSD			scor nets, filtering, oxygen
Béatrice Ip	OSD			scor nets, filtering, oxygen

Event Log

5 Oct 2022: loaded vessel, departed ~ 18h to sample test cast at SI and SC-04 before heading to Cape Flattery
6 Oct 2022: commenced stations ~ 7am, proceeded through JdF area
7 Oct 2022: finished JdF, then completed Rosario and Haro St area
8 Oct 2022: finished S Sog area, up to GEO1
9 Oct 2022: completed stations Central SoG area
10 Oct 2022: completed N SoG area and transited S down through Malaspina. Anchored in Isquo;Thunder Baysquo; near mouth of Jervis Inlet for evening due to high winds
11 Oct 2022: pulled anchor ~ 3am, completed stations 22 and 27 (for DIC) early morning. Returned to IOS 15hr and unloaded all science gear.

Scientific Equipment Report

Fluorometer spiky and discovered to be broken early afternoon 6 Oct, swapped out. Still spiky after swap but seemed to settle after a day or so.

Cap was left on surface PAR for entire trip

Electronic logging system was used and worked great for Daily Logging.

DIC HgCl dispenser was very sticky and hard to dispense ndash; needs service

Sounder was working at start of trip but lost connection after the first day, would be helpful to have some documentation on how to troubleshoot. Could get bottom depth readings from bridge for each stations so was a minor concern

Radioisotope Report

nil

Scientific Successes and Concerns

Last minute additions to sampling need to be communication to CS and techs responsible for packing supplies before sailing. There were not enough SAL bottles on board for additional samples, and sampling bottles for HPLC-DA (1L) were in short supply when needed.

DICs were missed at station 27, so re-sampled station 27 on return for CTD and DIC only.

Did not know of request to service moorings in Clayoquot, as it was not included in Cruise plan ndash; so no trained staff or equipment loaded before sailing and was not done.

Platform Successes and Concerns

[Not Entered]

Safety Concerns

[Not Entered]

Hazardous Occurrences

Science person splashed with very small amount of oxygen chemicals while sampling. Treated by first aid attendant on board and report made in ship's first aid log.

Other Comments

Thank you Vector Captain and crew for successful trip. Special shout out to Alan in the galley for single-handedly keeping us fed all week!

Thanks to Dave and Lucius for help setting up science computers pre-trip

Images

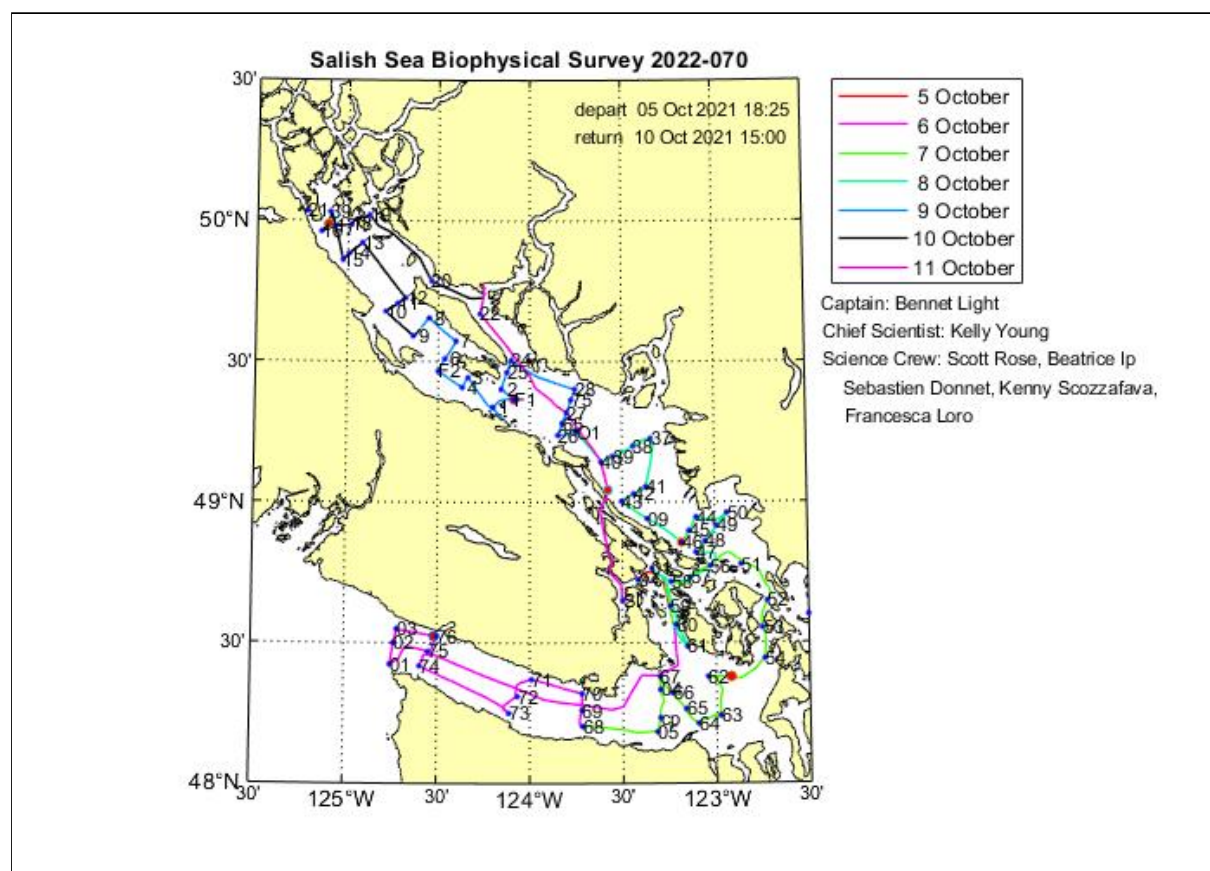


Image notes:

Vessel Track

Page generated from: <https://www.waterproperties.ca/443/requests/cruisereportview.php?cruiseid=2022-070> on Friday 21 October 2022 14:25:26

Recent Report Views

CCG Vector: 2022-10-21

Germaine Gatién: 2022-10-21
Peter Chandler: 2022-10-20
Kelly Young: 2022-10-20
Francesca Loro: 2022-10-20
Beatrice Ip: 2022-10-20
Sébastien Donnet: 2022-10-20