

Water Properties Group

Fisheries and Oceans Canada
Institute of Ocean Sciences, Sidney, BC

Science Cruise Report

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Distributing Your Cruise Report to Cruise Participants, the Vessel, Coast Guard, the IOS Winch Shop, and the PSVC committee.

When you are ready, you may distribute an email containing a link to your completed cruise report to all participants listed on your cruise plan, the vessel you are sailing on, the Regional Operations Centre Winch Shop, and the PSVC committee.

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Regional Operations Centre, Canadian Coast Guard Western



Science Cruise Report: PAC 2012-005

Report last updated: 2022-04-10 19:40:11

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2012-005>

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Department/Group:	Fisheries and Oceans Canada, OSD
Other Participating Groups:	University of Victoria - students from remote sensing lab
Science Cruise Number:	PAC 2012-005
Alternative Cruise Number:	
Ship's Patrol Number:	
Name of Vessel/Platform:	Vector
Dates:	From: Wednesday 13-Jun-2012 To: Tuesday 19-Jun-2012
Chief Scientist:	Peter Chandler, 2503636750, peter.chandler@dfo-mpo.gc.ca
Master:	Jeff Nemrava
Fishing Master:	
Appropriateness of Vessel:	Excellent

Time Allocations

Originally Allocated Days: 6.00
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	+ 4.50
Science Equipment Loading/Unloading	+ 0.50
Science Other	+ 0.00
Days Gained	+ 1.00
Days Grand Total	= 6.00

Time Allocation Comments:

Cruise Events

Areas of Operations

Juan de Fuca, Strait of Georgia

Scientific Personnel

Male - Name	Notes (Affiliation, Watches, Duties, etc)
Peter Chandler	chief scientist, ctd watch 12h00 - 24h00
Scott Rose	snr tech, ctd watch: 00h00 - 12h00
Kenny Scozzafava	oxy tech, ctd watch: 12h00 - 24h00
Glenn Cooper	DIC/pH, ctd watch: 00h00 - 12h00

Female - Name	Notes (Affiliation, Watches, Duties, etc)
Melissa Hennekes	chl; ctd watch; 00h00 - 12h00
Genevieve Berard	ctd watch; filtering; 12h00 - 24h00 (UVic)

Event Log

13 June 2012, 15h0-5 (local). Depart Pat Bay Test instrumentation at Saanich Inlet station and proceed seaward. Complete 6 stations in Haro Strait and Boundary Pass and steam to Malaspina Strait. Recommence sampling at 07h00 (local) 14 June in Malaspina Strait. Proceed northward into Strait of Georgia, and then sample Strait of Georgia stations proceeding southerly. Sampling was suspended (near Vancouver) and the Vector proceeded to the entrance of Juan de Fuca Strait to minimize the impact of deteriorating weather conditions off the west coast. Sampling resumed using weights on the rosette. Carry out remaining stations proceeding eastwards through Juan de Fuca Strait and northwards through Rosario Strait.

Arrive Pat Bay at 22h30 Sunday June 17, 2012.

Scientific Equipment Report

CTD and rosette worked very well without any errors arising. The Seapoint and Wetlabs fluorometers were recording simultaneously. The Scor nets were deployed from the chains positions using the hydro winch; because the distance from the top block to the waterline is less than the length of the net there was the usual struggle to retrieve the water without twisting the net. This problem was compounded because the line running through the net to the weights has developed a memory and now is predisposed to twist.

Radioisotope Report

[Not Entered]

Scientific Successes and Concerns

To optimize time on the water the route taken was altered on the fly to avoid bad weather and possible waiting for conditions to improve. The Captain proved very adept at forecasting conditions a number of stations were sampled. All the bottle intensive stations (including pH and DIC) were completed successfully. The MnCl dispenser used to pickle the oxygen samples exhibited some signs of aerating and needs examination. A lack of sunny weather reduced the opportunities for the UVic students to collect data. The timing between the intensive pH/DIC stations requires review to ensure sufficient time is available for sample analysis.

Platform Successes and Concerns

The Vector crew continue to provide excellent support to the science program. Flexibility in loading and unloading was helpful. The galley staff's extra efforts to provide for vegetarian and vegan meals appreciated.

Safety Concerns

[Not Entered]

Hazardous Occurrences

While transferring science equipment from the van to the jetty a member of the science crew slipped and fell off the back of the van. A member of the ship's crew reached out to cushion the fall. Both were sent to the medical clinic in Sidney for evaluation, both returned to duty prior to sailing.

Other Comments

[Not Entered]

Images

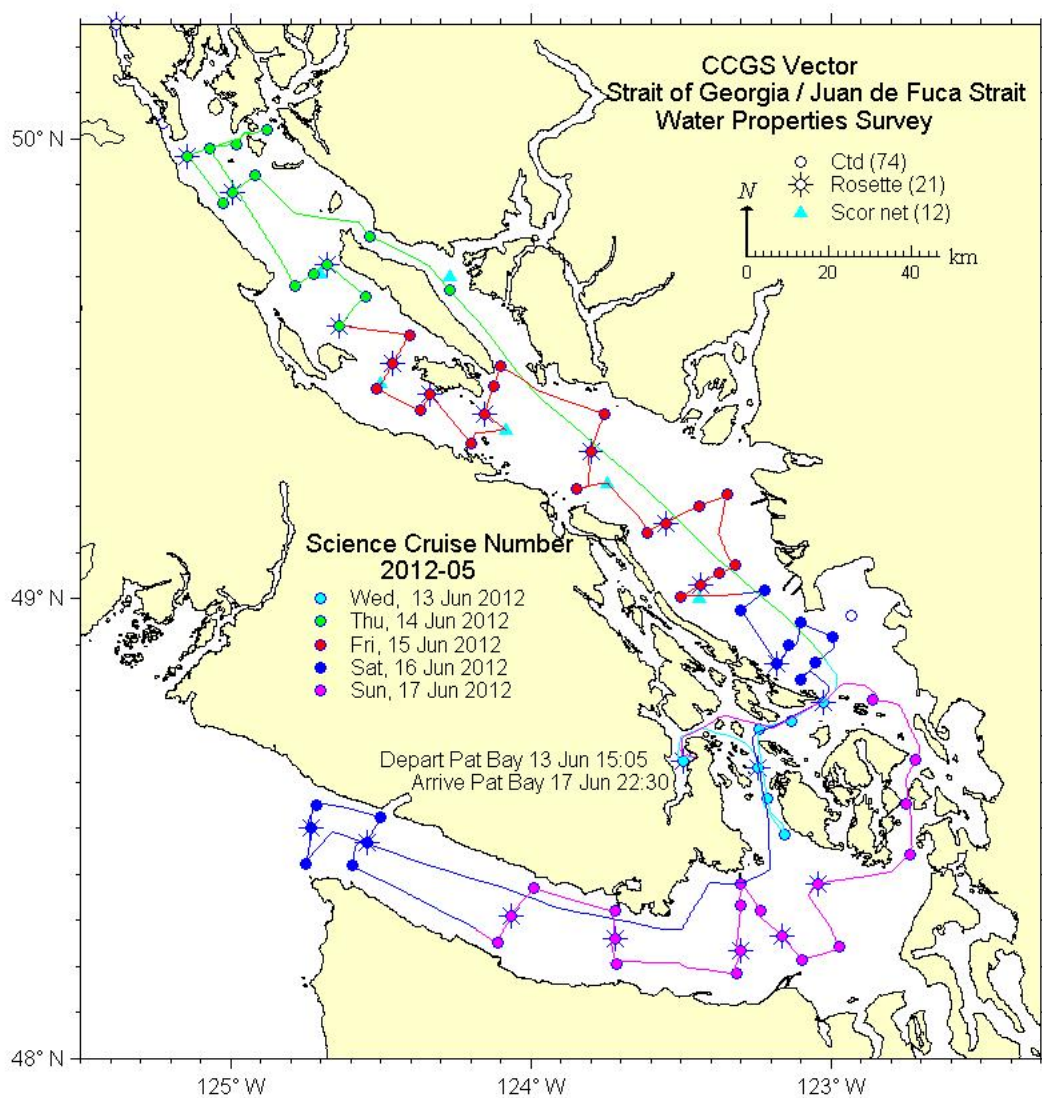


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