**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 con

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 2012-006

Report last updated: 2022-04-10 19:41:20

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2012-006>[Print Report to Printer or PDF](#)

Department/Group:	Fisheries and Oceans Canada, OSD
Other Participating Groups:	University of Victoria
Science Cruise Number:	PAC 2012-006
Alternative Cruise Number:	
Ship's Patrol Number:	
Name of Vessel/Platform:	Vector
Dates:	From: Wednesday 19-Sep-2012 To: Tuesday 25-Sep-2012
Chief Scientist:	Peter Chandler, 2503636750, peter.chandler@dfo-mpo.gc.ca
Master:	Mike Corfield
Fishing Master:	
Appropriateness of Vessel:	Not Rated

### 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	+ 5.00
Science Equipment Loading/Unloading	+ 0.25
Science Other	+ 0.00
Days Gained	+ 0.75
<b>Days Grand Total</b>	<b>= 6.00</b>

Time Allocation Comments:

### Cruise Events

#### Areas of Operations

[Not Entered]

#### Scientific Personnel

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

Francesca Loro	ctd watch; filtering: 12h00 - 24h00
Lianna Teeter	DIC, ctd watch: 00h00 - 12h00
Kelly Young	ctd watch; filtering: 00h00 - 12h00

Event Log

19 September 2012, 15h15 (local). Depart Pat Bay Test instrumentation at Saanich Inlet station and proceed seaward. Complete 4 stations in Haro Strait and steam to the mouth of Juan de Fuca Strait. Fog conditions throughout Strait. Due to increasing wind (+20kn) and confused seas, weight was used for rosette of Juan de Fuca Strait. Proceed northward into Strait of Georgia via Rosario Strait, and then sample Strait of Georgia stations from south to north. SCOR net tows carried out at 5 Strait of Georgia stations. At northern tip of Texada Island proceed south into Malaspina Strait to carryout CTDs and SCOR net tows, then head north again to finish remainder of survey stations. At Cape Mudge deploy RIB with two ships crew and two science crew to carryout plankton larvae tows in Okisollo Channel from 07h17 - 12h00, 23 Sep 2012. Steam south, tie up at Pat Bay at 08h05 Monday Sepetember 24, 2012.

Scientific Equipment Report

CTD and rosette worked very well without any errors arising. The Seapoint and Wetalbs fluorometers were recording simultaneously. Changed the Seapoint fluorometer from the 3x to the 10x gain (mg/m<sup>3</sup>) at station 58 (after Saanich Inlet station). 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 in and out of the water.

Radioisotope Report

[Not Entered]

Scientific Successes and Concerns

All scientific objectives achieved; primary objective (sample 76 water property stations), secondary objective (12 SCOR net vertical tows), and tertiary objective (5 horizontal plankton net tows in Okis Science team and ship's crew worked very well together.

Platform Successes and Concerns

Upon science team arrival vessel ready for sea in all respects. Vessel's fog horn worked well. Both ship's deck crew watches were adept at deploying and recovering the rosette using the work winch and weights. RIB operations went smoothly and accomplished science objectives in good time.

Safety Concerns

SCOR net operations using platform off starboard side and hydro winch requires considerable physical effort to launch and recover net weights. Weather conditions limit this activity and risk of injury increases with sea state.

Hazardous Occurrences

[Not Entered]

Other Comments

What looked to be a very intensive 3 level monitoring program was carried out smoothly, effectively, and cooperatively due to the good interaction of the ship's crew and the science team. In addition for science, the support for dietary requests and time 'off program' were very much appreciated.

Images

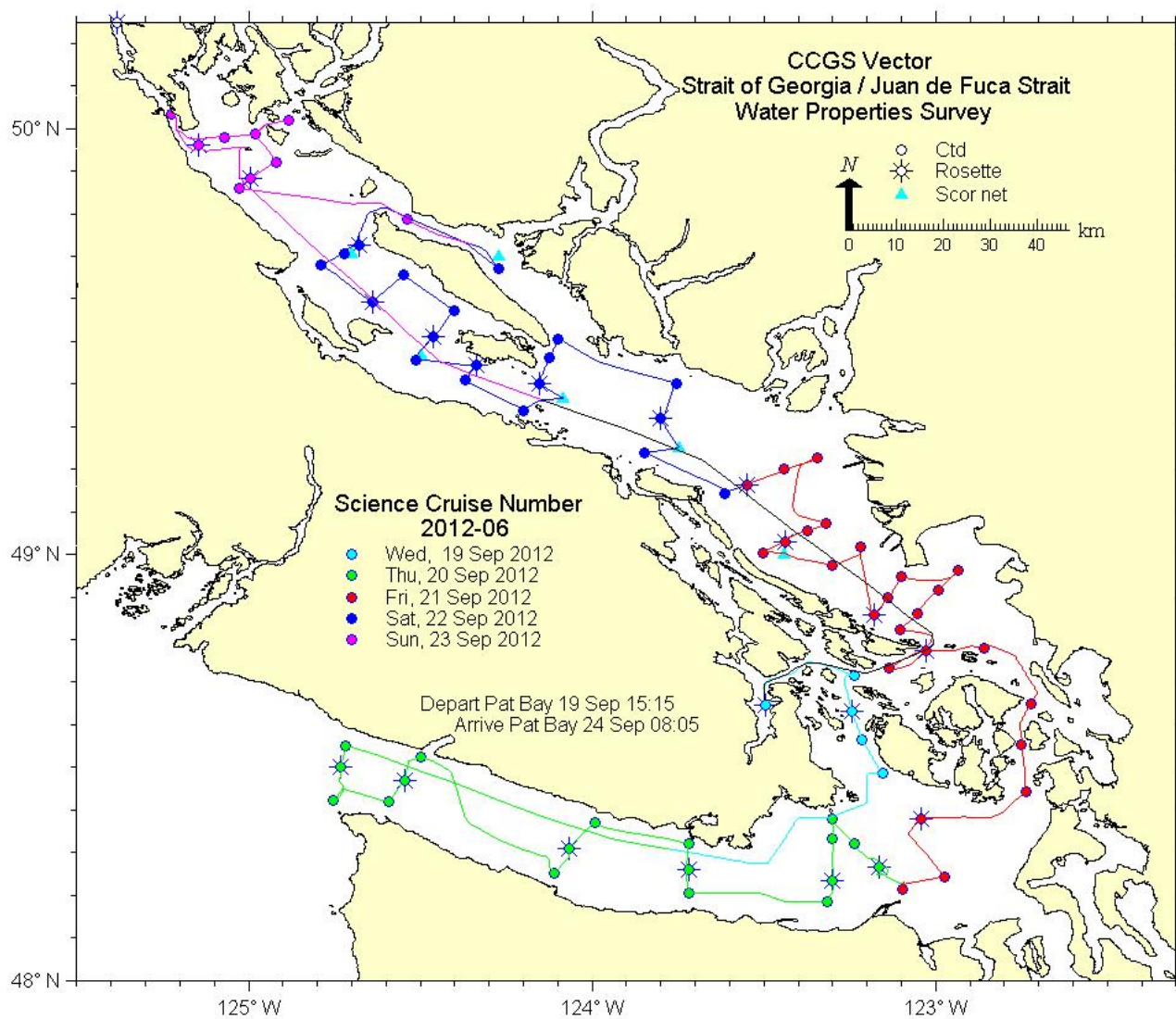


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