



## Water Properties Group

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

### Science Cruise Report

Your cruise report has been recorded. Please review the document below to ensure that there are no errors. If you wish to edit your cruise report then you may click 'Edit This Cruise Report' button at either the top or bottom of this page.

### 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 at Coast Guard, the IOS Winch Shop, and the PSVC committee.

An email may be automatically generated by clicking on the button below and this will provide a link to your reports in the email. This email will be generated using your default email application (e.g., Outlook, Thunderbird, etc) and sent from your account. *You will be able to edit the email message before sending, including adding any other comments or adding other email address that might have an interest in your report.*

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## Regional Operations Centre, Canadian Coast Guard Western



### Science Cruise Report: PAC 2011-008

Report last updated: 2022-04-08 12:26:51

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2011-008>

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Department/Group:	Fisheries and Oceans Canada, OSD
Other Participating Groups:	
Science Cruise Number:	PAC 2011-008
Alternative Cruise Number:	
Ship's Patrol Number:	
Name of Vessel/Platform:	Vector
Dates:	From: Wednesday 13-Apr-2011 To: Wednesday 20-Apr-2011
Chief Scientist:	Peter Chandler, 250 3636750, <a href="mailto:peter.chandler@dfo-mpo.gc.ca">peter.chandler@dfo-mpo.gc.ca</a>
Master:	Kent Reid
Fishing Master:	
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	+ 0.00
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	+ 2.00

**Days Grand Total = 7.00**

Time Allocation Comments: Days gained as no sampling days lost to weather or instrumentation failure.

### Cruise Events

#### Areas of Operations

## Scientific Personnel

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

Female - Name	Notes (Affiliation, Watches, Duties, etc)
Nina Nemcek	chl & hplc; ctd watch; 12h00 - 2400

## Event Log

Depart Pat Bay 14h00 local 13 Apr First station 15h41 13 Apr Proceed north to start survey while waiting for clearance to sample in US waters Obtain US clearance Med evac Bosun for compassionate reasons Proceed to mouth of Juan de Fuca and resume survey at 07h09 16 Apr Complete survey 18h20 17 Apr Arrive Pat Bay 21h00 17 Apr

## Scientific Equipment Report

wet-mateable connections worked well oxygen kit experienced some problems (disconnected wires) but all were overcome ctd computer experienced frequent crashes requiring re-boot to continue switched to backup ctd computer which crashed more frequently reverted back to primary ctd computer and tolerated more computer crashes

## Radioisotope Report

[Not Entered]

## Scientific Successes and Concerns

Science program contributed another dataset of water properties to further our understanding of the oceanography of the region. Observed high fluorescence in Malaspina Strait and cooler than normal surface temperatures in northern Strait. Suggest more reliable computer dedicated exclusively for ctd acquisition. Also a laptop capable of serving as backup to ctd computer.

## Platform Successes and Concerns

Vessel entirely suitable for cruise requirements, winches worked well, required the use of weights for the several stations in Juan de Fuca Strait. Ship's officers and crew very helpful.

## Safety Concerns

[Not Entered]

## Hazardous Occurrences

[Not Entered]

## Other Comments

Nice to see real time data from separation buoy (46087) at mouth of Juan de Fuca Strait re-established and accessible via National Data Buoy Center internet website. Clearance for operations in US waters not acquired until after departure which denied following the standard survey pattern which starts in US waters at the mouth of Juan de Fuca Strait. An adjustment to the survey sampled the Canadian stations first and then proceeded to US waters once clearance had been issued.

## Images

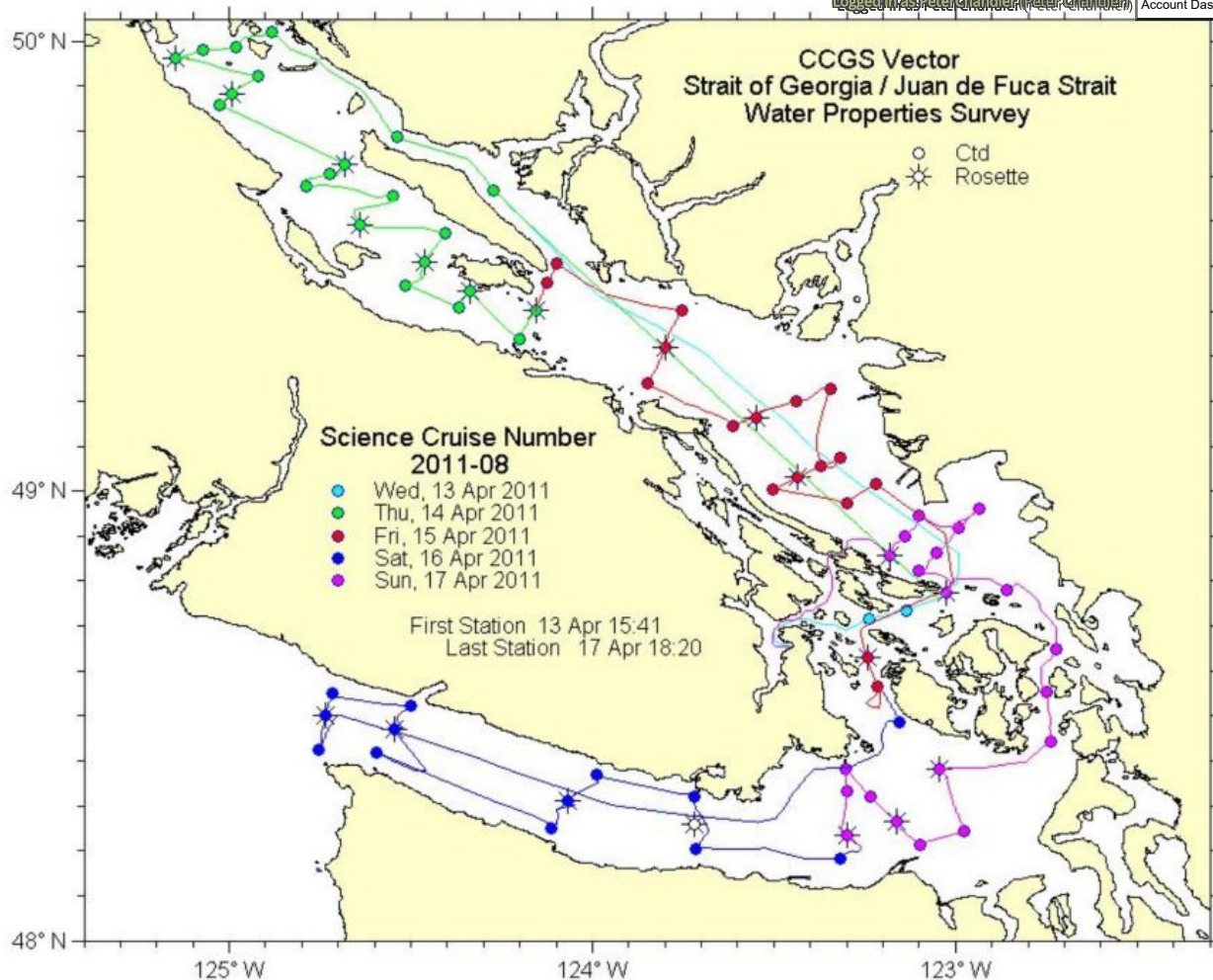


Image notes:  
detailed survey track

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