

Purpose: To report weekly survey progress, results, and statistics.
Storage: [\\dfbcv8lwpfsp001\Field Survey Planning\2021-22\Reports from field](#)
Filename: 1001-03-P02 Weekly Field Report CCGS Vector Aug11-18 2021.xlsx
Note: Some sheets in this document are protected. Cells shaded light grey, and the project dates, can be edited. Additional rows can be inserted on all sheets if required. Sheets requiring images to be added are unprotected.

August 11 to August 18, 2021
CCGS Vector - Weekly Survey Report

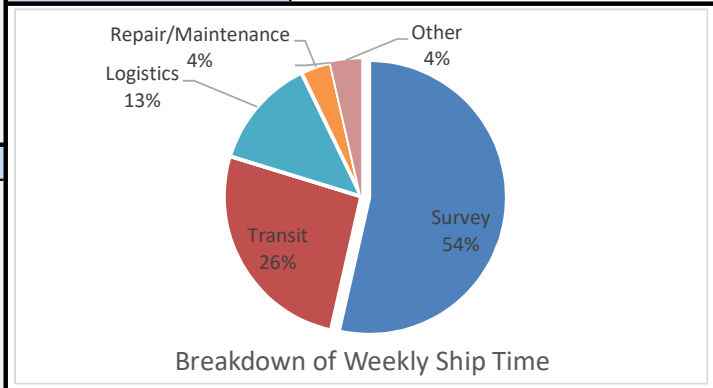
Field Approval #: 2021-FIELD-024

Vessel: CCGS Vector	Launch:
Major Equipment - CCGS Vector	
Multibeam: Kongsberg Maritime EM710MkII Multibeam Echosounder (SIS 4.3.2) Sub-bottom profiler: Knudsen Chirp 3260 3.5kHz IMU: Applanix POSMV 320 V5 (PosView 9.91) SV: Rolls Royce Moving Vessel Profiler – MVP 200 (Controller 2.450) : AML MINOs exchange 1000db (SeaCast 4.4.0) Processing Software: CARIS HIPS 11.3.17	

Survey Projects			
Name	Justification for Survey	Location	Charts Affected
2021PyladesChannel_9001474	NRCAN (anchorage impact assessment)	Pylades Channel	3475, 3443
2021PointGrey_9001476	ECCC-DAS priority	Point Grey	3491, 3463

Personnel		
Name	Position	Organization
T.Dill	HIC	CHS
K. Douglas	Chief Scientist	NRCAN
D. Flahr	Captain	CCG

NAVWARNs: 0
NOTMARs: 0
[Survey Images](#) [See Details](#)
[Health and Safety](#) [See Details](#)
[Chronology of Events](#) [See Details](#)
[Statistics](#) [See Details](#)



Work Accomplished

- Complete Pylades Channel MB survey
- Complete Point Grey MB survey
- Collect raw data for NRCAN (.all and water column data)
- Demobilization

Future Plans

- Transfer data to network
- Data validation

Problems/Recommendations

- UPS battery bank failure. Power maintenance bypass not effective. UPS batteries to be replaced at IOS during demobilization.
- POSMV position drop out ("Degraded navigation set") approximately every 2.5 minutes in Stuart Channel on 13Aug2021.
- SIS PC and POSMV PU reboot fixed the issue. Applanix support contacted for more information, awaiting reply.

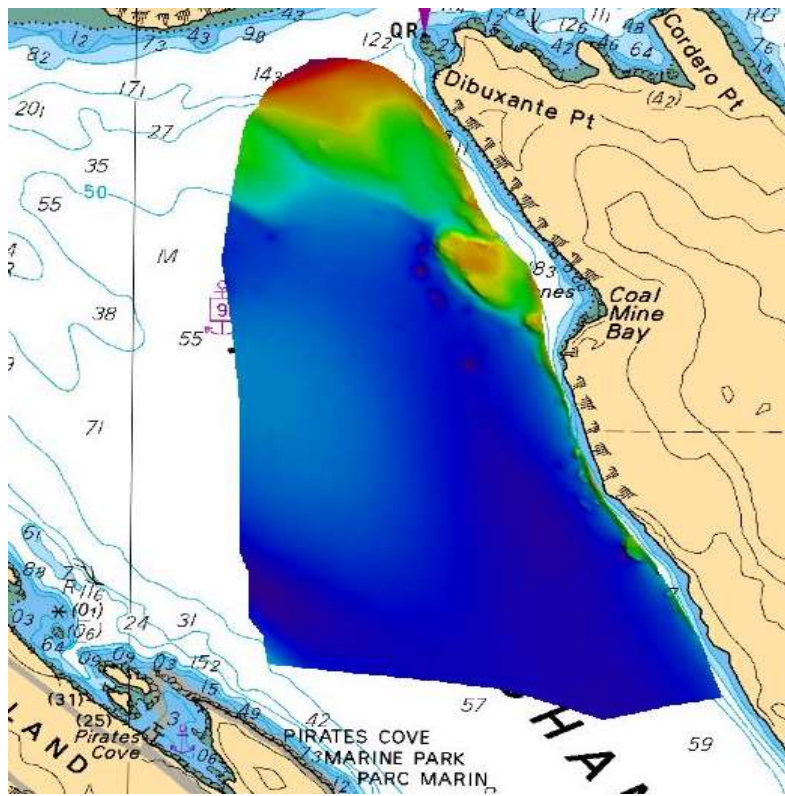
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Notices to Mariners

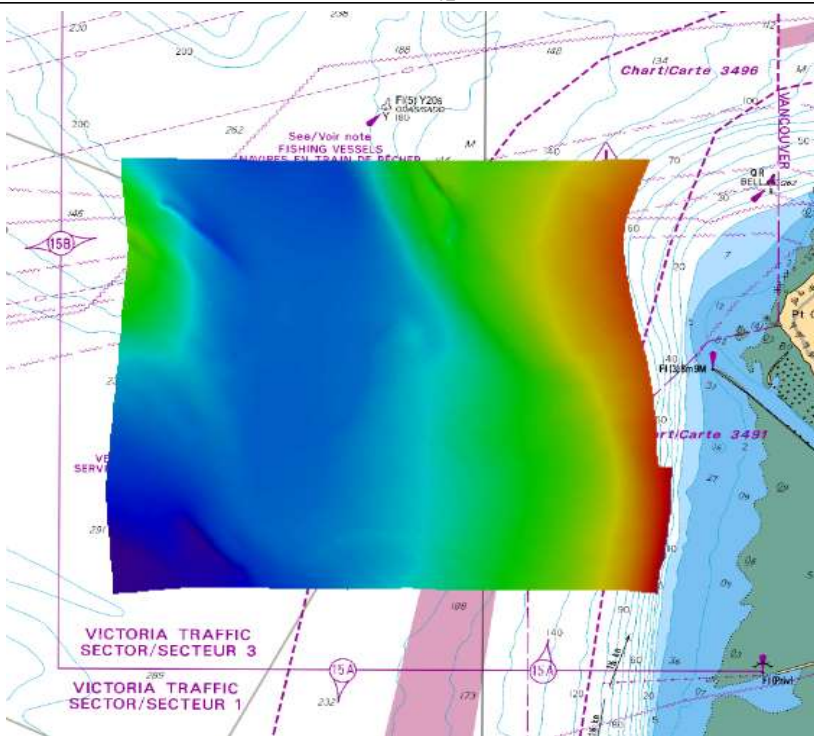
#	Description	Date Reported to NPS
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Survey Images
2021PyladesChannel



2021PointGrey_DAS



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Health and Safety

Were any issues encountered to implementing Safe Work Procedures (SWPs), if yes, please specify?

No

Were any risks identified that were not address by the SWPs?

No

Were any additions or changes to SWPs, or modifications to the work environment identified to improve risk mitigation?

No

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Chronology of Events

Date	Activity
Aug 11	Mobilize Vector, ship familization, transit from IOS to Pylades Channel
Aug 12	Begin MB survey of Pylades Channel (Anchorage 8)
Aug 13	Complete Pylades Channel survey
Aug 14	Begin MB survey of Point Grey priority area (disposal at sea), transit to Cape Lazo
Aug 15	Transit to Point Grey, continue MB survey of Point Grey priority area
Aug 16	Continue MB survey of Point Grey
Aug 17	Complete MB survey of Point Grey
Aug 18	Science crew change and demobilization
	Chronology does not include daytime NRCAN operations

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Statistics

Project Statistics (from HIPS Line Query)

Project Name	Line KM	Area	Sounding time	# of Lines	Complete?
2021PyladesChannel_9001474	58.6 km	3.8 sq km	5 hours	41	Yes
2021PointGrey_DAS_9001476	290.5 km	76.2 sq km	22 hours	47	Yes
Subtotal for In Progress Projects	0.0 km	0.0 sq km	0 hours	0	0
Subtotal for Completed Projects	349.1 km	80.0 sq km	27 hours	88	2
Total	349.1 km	80.0 sq km	27 hours	88	2

Weekly Ship Time Usage

Activity	# of hours	# of hours (launch)
Survey	45	
Tidal	0	
Weather	0	
Transit	22	
Provisioning	0	
Mobilization/Demobilization	8	
CCG Ship Repair/Maintenance	1	
CHS Equipment Repair/Maintenance	2	
Fueling		
Crew Change		
SAR	0	
Administration and Paperwork	3	
Other	3	
Total	84	