

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2011-28

DATE:

From: April 4 2011 to: April 7 2011

VESSEL:

CCGS VECTOR

PROJECT(S):

SOG MOORING

Water Properties Group
Fisheries and Oceans Canada
Institute of Ocean Sciences
Ocean Sciences Division
North Saanich, BC, Canada

WaterProperties.ca

Rosette Setup:

Number of bottles: 24
Manufacturer: —
Volume of bottles (litres): 10L

Winches:

1. Make: _____ Model: _____ Serial #: _____ Used for: _____
2. Make: _____ Model: _____ Serial #: _____ Used for: _____
3. Make: _____ Model: _____ Serial #: _____ Used for: _____

Comments on performance during cruise (comments should also be reflected in the post-cruise report):

Salinometer:

Make: N/A Model: _____ Serial Number: _____
Comments on performance during cruise (comments should also be reflected in the post-cruise report):

Oxygen Kit(s):

Make: N/A - Chemicals only Model: _____ Kit Number: _____
Make: _____ Model: _____ Kit Number: _____
Comments on performance during cruise (comments should also be reflected in the post-cruise report):

Thermosalinograph System (SBE21):

Program: _____ Version: NA
Sampling interval (seconds): _____
Fluorometer sensor serial number: _____
Comments on performance during cruise (comments should also be reflected in the post-cruise report):

ADCP Setup:

Computer time zone: _____ User Exits: Name: _____ Exit points: _____
Sampling interval (sec): _____ Name: _____ Exit points: _____
Bin Length: (2^x): _____ Name: _____ Exit points: _____
Pulse Length: _____ Work File: N/A
Buffer (bytes): _____
Gyro Offset: _____

Comments on performance during cruise (comments should also be reflected in the post-cruise report):

CTD Test Cast Information

Test Cast along side? Yes ☐ No ☐

Comments

Test Cast in Saanich Inlet or other location? Yes ☐ No ☐

Comments

CTD pressure reading on deck (db), before cast: _____ after cast: _____

Pumps working? Yes ☐ (0011) No ☐ (0010)

Secondary Temp – Primary Temp:
(Average from the mixed region) _____

Secondary Salinity – Primary Salinity:
(Average from the mixed region) _____

Additional Comments:

or observations

FROM NISKIN 1 (IN ORDER)

DISSOLVED OXYGEN**

pH

TOC

CDOM

DOC

FROM NISKIN 2 (IN ORDER)

DIC/ALK (WITH TEMPERATURE RECORDING)

NUTRIENTS

SALINITY

POC ***

Del180

** Do not take dissolved oxygen on Fraser River Transect

***POC is only collected at Fraser River Transect 0m and at 0m for both SOGN and SOGS

SOGS-I Moving Recovery

April 4, 2011

On Station 1153 PST

Range B537 315 315 312

1155

Move off to a safe release position

Range B537 495 495 496

Release B538 499

- 1200

On Surface

- 1201

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month April

Year 2011

Ship VECTOR

Cruise ID 2011-28

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
	SOGS			MORING	RECOVER	01									See mooring log
04	FR1	2047	EN	ROS		02	49°6.805	123°16.640	8.4		01-02	2			Surface Samples
	FR2	2123	EN	ROS		03	49°6.206	123°18.060	9.2		03-04	2			'Only'
	FR3	2154	FN	ROS		04	49°6.401	123°19.577	86		5-6	2			
	FR4	2216	EN	ROS		05	49°6.660	123°20.974	148		7-8	2			+1.9m offset
	FR5	2242	EN	ROS		06	49°7.066	123°22.397	181		9-10	2			
	FR6	2307	EN	ROS		07	49°7.424	123°23.822	208		11-12	2			
	FR7	2330	EN	ROS		08	49°8.070	123°26.183	280		13-14	2			
05	FR8	0036	EN	ROS		09	49°8.694	123°28.586	322		15-16	2			+2.1m offset

Cast Type:

BOT = Bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD
SET = Fish Set

USW = Sea Water Loop
MOR = Mooring
NET = Plankton Net Haul
DRF = Drifter

Bottle Firing Method:

US = Up / Stop
UN = Up / No stop
DN = Down / No stop

Notes:

Time Code:

BE = Beginning Time of Cast
BO = Bottom Time of Cast
EN = End Time of Cast
DE = Deployment Time
MR = Messenger Release Time
RE = Recover Mooring Time

Transmissometer to be cleaned before each cast, do not use Ammonia products

Produced by the Water Properties Group, IOS

WaterProperties.ca
Version: 16 April 2010

DIC was not collected at every station in order to conserve grease.

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month <u>April</u>				Year <u>2011</u>			Ship <u>Vector</u>			Cruise ID <u>2011-28</u>					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
05	FR9	0057		ROS		10	49° 9.344	123° 30.962	350		17-18	2			
	FR10	0122		ROS		11	49° 9.914	123° 32.837	374		19-20	2			
	SOGN	1416	BE	ROS	US	12	49 50.035	124 51.935	338		21-44	24		✓	2 nisks / depth
		1424	BO				035	850		334					
		1444	EN				49 50 069	124 51.845							
	SOGN	MOORING RECOVER				13									Deployment I
	SOGN	MOOR DEPLOY				14									Deployment J
	SOGC	1421	BE	ROS	US	15	49° 1.532	123° 25.792	316		45-68	24		✓	
		1430	BO				49° 1.540	123° 25.775		314					
		1448	EN				49° 1.530	123° 25.748							+1.85m offset

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SoGN-I Mooring Recovery

April 5, 2011

This page is for any notes or observations

0756 PDT - On station

Range 169C - 363 365 367

Move to a safe distance

0802- 438 437 437 439

0804 452 457

0805 - Release 169C + 1655 456

0806 - On Surface