

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2008-63

2008-61

DATE:

From: November 19, 2008

to: NOV 26 2008

VESSEL:

PROJECT(S):

Georgia Basin Ecosystem Initiative

STRAIT OF GEORGIA
JUAN DE FUCA STRAIT
WATER PROPERTIES SURVEY

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

WaterProperties.ca

Captain: Mike McCullough First Officer: NICOLA HANCOCK
Second Officer: RHIAN MCGEE Third Officer: _____
Fishing Master: _____

Mission Participants / Agencies: _____

Scientific Personnel: Chief Scientist: Sophie Johansen
Name Watch Cabin Name Watch Cabin
David Spear _____
Cindy Wright _____
Mary O'Brien _____
Nina Demek _____

Second leg of Mission: Chief Scientist: PETER CHANDLER
Name Watch Cabin Name Watch Cabin
LIZETTE BENICHIOLIN _____
DAVID TIMOTHY _____
KELLY YOUNG _____
RAND LINDSAY _____

Data logging computer: PAC02508
Data acquisition program: Seasave
CTD deck unit make: Seabird model: 11 serial number: 0424

Primary CTD
Make: Seabird model: 911 serial number: 0443
Primary temperature serial number: 2038
Primary conductivity serial number: 1729
Secondary temperature serial number: 2449
Secondary conductivity serial number: 2424
Transmissometer: _____ Model: _____ s/n: 1605DR
Fluorometer: Model 2228 Cable gain: 10x s/n: _____ P, S or NO pump?
Oxygen sensor: Seabird Model: 43 s/n: 1176 P S or NO pump?
PAR sensor: _____ Model: _____ s/n: _____
Other sensors: _____ s/n: _____ P, S or NO pump?
Other sensors: _____ s/n: _____ P, S or NO pump?
Other sensors: _____ s/n: _____ P, S or NO pump?
Other sensors: _____ s/n: _____ P, S or NO pump?

Secondary CTD
Make: _____ model: _____ serial number: _____
Primary temperature serial number: _____
Primary conductivity serial number: _____
Secondary temperature serial number: _____
Secondary conductivity serial number: _____
Transmissometer: _____ Model: _____ s/n: _____
Fluorometer: Model _____ Cable gain: _____ s/n: _____ P, S or NO pump?
Oxygen sensor: _____ Model: _____ s/n: _____ P, S or NO pump?
PAR sensor: _____ Model: _____ s/n: _____
Other sensors: _____ s/n: _____ P, S or NO pump?
Other sensors: _____ s/n: _____ P, S or NO pump?
Other sensors: _____ s/n: _____ P, S or NO pump?
Other sensors: _____ s/n: _____ P, S or NO pump?

CTD calibration bottle location (height above CTD in metres): _____

FLOWMETER Bongo 4798

PST

Nov 19 2008 - 0800 depart IOS For SOGS-B

This page is for any notes or observations

1151 - On Station SOGS-B

- 6442 - FRI+2 on

Ranges 360 361 362

- Back off

Range 312 315 527

1157 Sent 6441 6484 - 538m

1158 On Surface

1247 On Deck

Turn Around mooring and re-deploy SOGS-C

1546 PST at 49° 16.46' N
123° 25.487' W
in 308m

SOGN-B Recovery

20/11/2008

0755 - Sent 6432 - 321, 320, 320
- Back off ~ 1 cable
0801 - Sent 6431 - 430 - 434
Sent 6434 - 438m
0803 - On Surface -
0845 - On Deck

Note: The bottom sediment trap broke the surface before/during attempts to invert it.

Re deploy SOGN-C

49° 50.139

124° 52.125

335m depth

1416 PST 20/11/2008

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month <u>November</u>				Year <u>2008</u>		Ship <u>Vector</u>		Cruise ID <u>2008-63</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							
20	SOGS	0013	BE	CTD		1	49°1.440	123°25.408	310	300	-	0			
		0022	BO				1.402	123°25.386							
		0033	EN												Started new cast
20	SOGS	0033	BE	ROS		2	49°1.445	123°25.310	310	150	1-4	4			at 150m because
		0041	EN				450	123°25.310							CTD not configured
20	SOGN	1506	BE	ROS		3	49°50.316	124°52.058	326		5-10	6			with Rosette
		1515	BO				49°50.282	124°52.021		325d					Smab
		1529	EN				49°50.232	124°52.070							Fired all bottles to test pylon
20	SOGN	2237	BE	VNH		4	~49°50	124°52	338						
		2249	BO				Flow meter 28390	-32240		330					10° angle

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

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

Produced by the Water Properties Group, IOS

WaterProperties.ca
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