DAILY SCIENCE LOG BOOK

MISSION NUMBER 2010-79

DATE: From: Dec 5, 2010 to: Dec 10, 2010

VESSEL:

PROJECT(S): Discovery Islands UV-Circulation

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

WaterProperties.ca

Captain: _____ First Officer: _____
Second Officer: _____ Third Officer: _____
Fishing Master: _____

Mission Participants / Agencies: Darren Tuele / Ed Fellbaum

Scientific Personnel: Chief Scientist: _____

Name	Watch	Cabin	Name	Watch	Cabin

Second leg of Mission: Chief Scientist: _____

Name	Watch	Cabin	Name	Watch	Cabin

Data logging computer: _____
Data acquisition program: _____
CTD deck unit make: _____ model: _____ serial number: _____

Primary CTD
Make: SBE model: 25 serial number: 334
Primary temperature serial number: 5013
Primary conductivity serial number: 3531
Secondary temperature serial number: _____
Secondary conductivity serial number: _____
Transmissometer: _____ Model: _____ s/n: 498 DR
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: 4615
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?
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CTD calibration bottle location (height above CTD in metres): _____

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Month December **Year** 2010 **Ship** BIG Winds **Cruise ID** 2010-79

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							
8	RA2A	1353	BE	CTD		1	50°19.32	125°01.06		100m		/			
	Ramsay 1	1410	BE	CTD		2	50°21.18	124°59.02		100m		/			
	Ramsay 2	1428	BE	CTD		3	50°22.33	124°57.28		100m		/			
	Ramsay 3	1445	BE	CTD		4	50°24.29	124°57.56		100m		/			
	Ramsay 4	1504	BE	CTD		5	50°26.23	125°00.14		100m		/			
9	Pryce Ch 1	0855	BE	CTD		6	50°19.46	124°58.42		100m		/			
	Pryce Ch 2	0914	BE	CTD		7	50°18.37	124°56.46		100m		/			
	Dees Pass 1	0926	BE	CTD		8	50°17.47	124°57.23		100m		/			
	Dees Pass 2	0943	BE	CTD		9	50°16.23	124°58.47		100m		/			
	Calm Ch 1	0957	BE	CTD		10	50°15.58	125°00.29		100m		/			

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

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

Notes: _____

Produced by the Water Properties Group, IOS

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Version: 06 March 2008

Dec 8 - Wednesday

1300 - depart Raza farm for CTD survey ~~off~~ Raza Is & up Ramsay Arm

Dec 9 - Thursday

0800 - depart Raza Farm for CTD survey around Raza Island

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Month Dec | **Year** 2010 | **Ship** BIG WINDS | **Cruise ID** 2010 - 79

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							Latitude	Longitude							
9	Calm Ch2	1012	BE	CTD		11	50° 16.42	125° 01.49		100m		/			
	Calm Ch3	1026	BE	CTD		12	50° 17.39	125° 03.09		100m		/			
	Jesse flat	1047	BE	CTD		13	50° 15.16	125° 05.53		30m		/			
	White RK	1054	BE	CTD		14	50° 15.48	125° 05.27		40m		/			
	Piper Pt	1104	BE	CTD		15	50° 16.38	125° 04.26		50m		/			
	CA3	1115	BE	CTD		16	50° 17.44	125° 05.06		100m		/			
	Fawn Bl	1315	BE	CTD		17	50° 28.16	125° 04.06		200m		/			
	Raza NW	1437	BE	CTD		18	50° 19.13	125° 00.34		10m		/			
	Raza N.W	1441	BE	CTD		19	50° 19.17	125° 00.39		10m		/			
	Raza NE	1445	BE	CTD		20	50° 19.22	125° 00.28		10m		/			

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Dec 9 Thursday

1430 - CTD survey within Raza farm site lease ~50 feet off outside corners of Pen system.