

DAILY LOG BOOK

MISSION
NUMBER

2002-11

DATE:

From: MAY 19, 2002 to: MAY 27, 2002

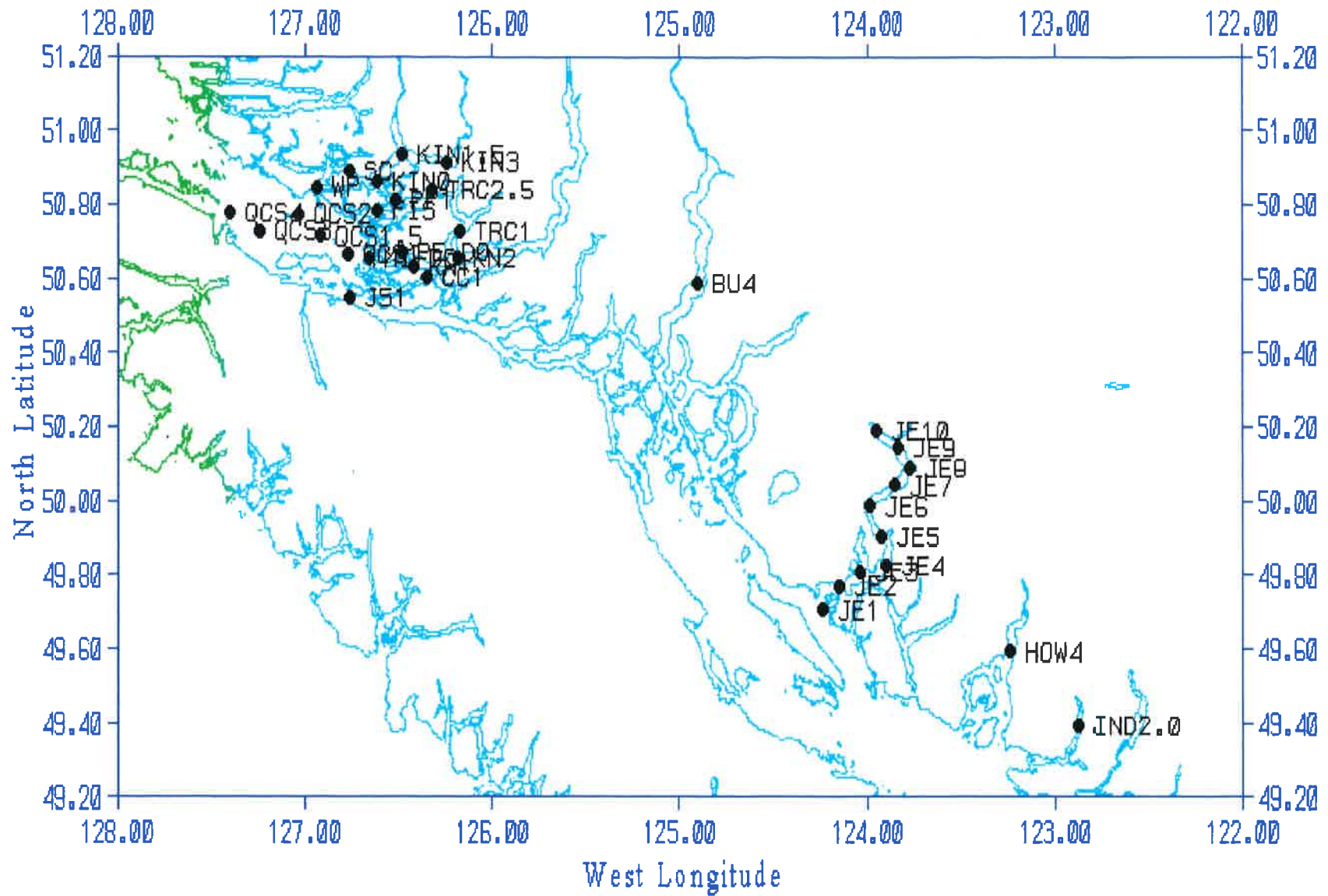
VESSEL:

CCGS VECTOR

PROJECT:

INSTITUTE OF OCEAN SCIENCES
OCEAN SCIENCES AND PRODUCTIVITY DIVISION
SIDNEY, BC, CANADA

2002-11 CTD Positions



Captain: Scott Doan
 First Officer: _____
 Second Officer: Miles Fiddler
 Third Officer: _____

Mission Participants / Agencies: *TOS*

Scientific Personnel:		Party Chief:
Name	Watch	Cabin
		Dario Stacchi

	watch	Cabin	Name	Watch	Cabin
			Dario Stacchi		
			Doug Anderson		
			Edmond Folk		
			Sheila Toews		
			Darren Tuele		

[illegible]

Data logging computer: ACT
Data acquisition program: Seasave Win 32
CTD deck unit make: Seabird model: 11plus serial number: 0508
Primary CTD

Make: <u>Seabird</u>	model: <u>911plus</u>	serial number: <u>0585</u>
Primary temperature serial number: <u>2038</u>	<u>11-Sep-01</u>	
Primary conductivity serial number: <u>1729</u>	<u>17-Jul-01</u>	
Secondary temperature serial number: <u>2968</u>	<u>18-Sep-01</u>	
Secondary conductivity serial number: <u>2173</u>	<u>11-Sep-01</u>	
Transmissometer: <u>Wetlabs</u>	Model: <u>C-STAR</u>	s/n: <u>498 JR</u>
Fluorometer: Model <u>Seapoint</u>	Cable gain: <u>10X/15ug/l</u>	s/n: <u>2356</u>
Oxygen sensor: <u>Seabird</u>	Model: <u>SAE 43</u>	s/n: <u>0047</u>
PAR sensor: <u>Biospherical Underwater</u>	Model: _____	s/n: <u>4601</u>
Other sensors: _____		s/n: _____
Other sensors: _____		s/n: _____
Other sensors: _____		s/n: _____
Other sensors: _____		s/n: _____

Delay (Sec) 3.024
 P(S) or NO pump? 4.469
 P(S) or NO pump? 9083 d/min
 Flow rate on sec side
 P, S or NO pump? _____
 P, S or NO pump? _____
 P, S or NO pump? _____
 P, S or NO pump? _____
 P, S or NO pump? _____

Make: Seabird model: 911 plus serial number: 0550
 Primary temperature serial number: 2668
 Primary conductivity serial number: 2102
 Secondary temperature serial number: 2374
 Secondary conductivity serial number: 1766

Transmissometer: _____ Model: _____ s/n: _____
Fluorometer: Model _____ Cable gain: _____ s/n: _____
Oxygen sensor: _____ Model: _____ s/n: _____
PAR sensor: _____ Model: _____ s/n: _____
Other sensors: _____ s/n: _____
Other sensors: _____ s/n: _____
Other sensors: _____ s/n: _____
Other sensors: _____ s/n: _____

P, S or NO pump?
P, S or NO pump?
P, S or NO pump?
P, S or NO pump?

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

Rosette Setup:

Number of bottles: 24
Manufacturer: _____ (Ocean Test Equip., General Oceanics, IOS)
Volume of bottles (litres): 10 L

Winches:

- 1. Make: _____ model: _____ serial #: _____ used for: _____
- 2. Make: _____ model: _____ serial #: _____ used for: _____
- 3. Make: _____ model: _____ serial #: _____ used for: _____
- 4. Make: _____ model: _____ serial #: _____ used for: _____
- 5. Make: _____ model: _____ serial #: _____ used for: _____
- 6. Make: _____ model: _____ serial #: _____ used for: _____
- 7. Make: _____ model: ACC serial #: _____ used for: _____

Comments: _____

Salinometer:

make: _____ model: _____ serial number: _____

Comments: _____

Thermosalinograph System:

Program: _____ Version: _____

Sampling interval (seconds): _____

Fluorometer sensor serial number: _____

Comments: _____

ADCP Setup:

Computer time zone: _____

Sampling interval (sec): _____

Bin Length: (2^x): _____

Pulse Length: _____

Buffer (bytes): _____

Gyro Offset: _____

Comments: _____

User Exits: Name: _____

Name: _____

Name: _____

Work File: _____

Exit points: _____

Exit points: _____

Exit points: _____

Comments: _____

David Jones

24618 106m

Expendable

Don't V. 12/12/12

David Jones

David Jones

106

White Paper

2504 2012

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month May					Year 2002			Ship CCGS VECTOR				Cruise ID 2002-11			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments	
						Latitude	Longitude								
20	FS-4	2026	MOR		RE	50° 47.056	126° 36.001	334						All on board at 2058	
							↑								
20	TC-1	22:13	MOR		RE	50° 49.318	126° 23.879	239						All on board at 2240	
21	TrC1	01:12	ROS	BE	001	50 43.61	126 11.00	347		1-14				Cast #001	
		01:21		BO		50 43 58	126 11 16		308						
		01:28		EN		50 43 54	126 11 47								
21	Kn 2	02:26	ROS	BE	002	50 39 29	126 11 13	178						cast #002	
		02:31		BO		50 39 29	126 11 13		175	15-25				ROS @ bottom then up	
		02:42		EN		50 39 28	126 11 16								
21	Kn 1	03:44	ROS	BE	003	50 38 09	126 25 31	258						Cast #003	
		03:49		BO		50 38 09	126 25 32		245						
		04:03		EN		50 38 08	126 25 41			26-38					
21	CC1		ROS	BE	004	50 36 32	126 21 35	114						CAST #004	
		04:40		BO		50 36 31	126 21 35		105	39-46					
		04:48		EN		50 36 28	126 21 44								
21	CC2	05:28	ROS	BE	005	50 34 22	126 29 32	63		47-53				CAST #005	
				BO										* system reboot by itself need to re-cast	
				EN											

Cast type: BOT = bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD

USW = sea water loop
MOR = mooring
NET = 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
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Transmissometer to be cleaned for each cast, do not use Ammonia products

22 March 2002
Daily_log_book.doc

Additional comments

CTD configuration file: 0585CTD.CON

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month				Year				Ship			Cruise ID			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments
						Latitude	Longitude							
21	CC2	05:32	ROS	BE	005A	50 34 24	126 29 39	63						list 400SA
		05:38		BO		50 34 28	126 29 42		59	47-53				
		05:42		EN		50 34 22	126 29 51							
21	TC-2	17:40	MOR	DE		50°49.305	126°23.649	235						* 50°49.311 126°23.645 bridge position
21	FS-05	21:42	MOR	DE		50°47.079	126°36.770	335						* 50°47.080 126°36.774 bridge position
22	QCS2	04:37	ROS	BE	006	50 46 50	127 02 34	223		54-65				computer system reboot need to re-cast
		04:42		BO		50 46 47	127 02 33							
		04:54		EN	↓	50 46 41	127 02 32							
22	OWP	0540	ROS	BE	007	50 50.85	126 56.42	183				ST/DA		
		0544		BO	↓	50 50.85	126 56.41		172	66-76				
		0555		EN	↓	50 50.88	126 56.37							
22	SC	0708	ROS	BE	008	50' 53.42	126' 45.68							
		0714		BO		50' 53.42	126' 45.70	237		77-89				hit bottom "
		0728		EN	✓	50' 53.41	126' 45.81		231					

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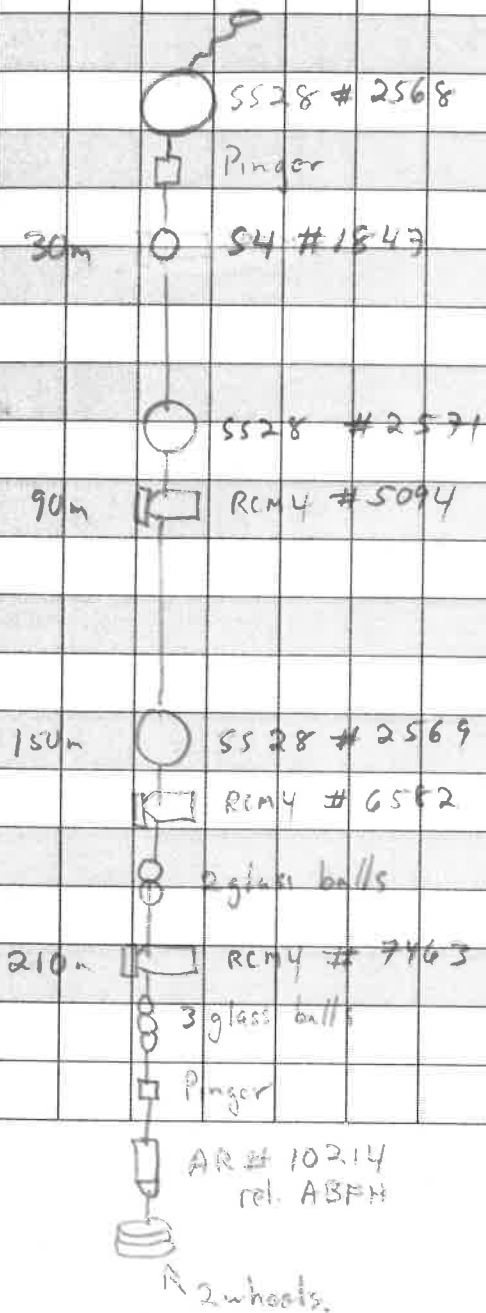
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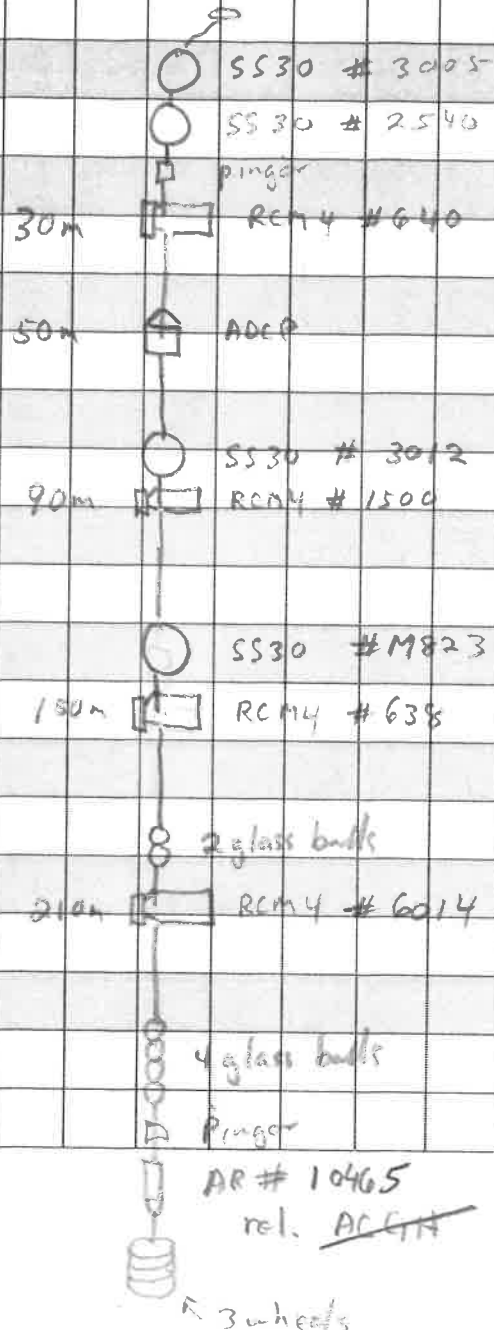
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Additional comments

TC-2



FS-05



should be ABEF DSS 17 July-02

May 22, 2002 0900 / 1600 UTC

KINGCOME INLET TIDE GAUGE DEPLOYMENT

Gauge in water @

0825 PDT

Gauge moved @ 0900 PDT

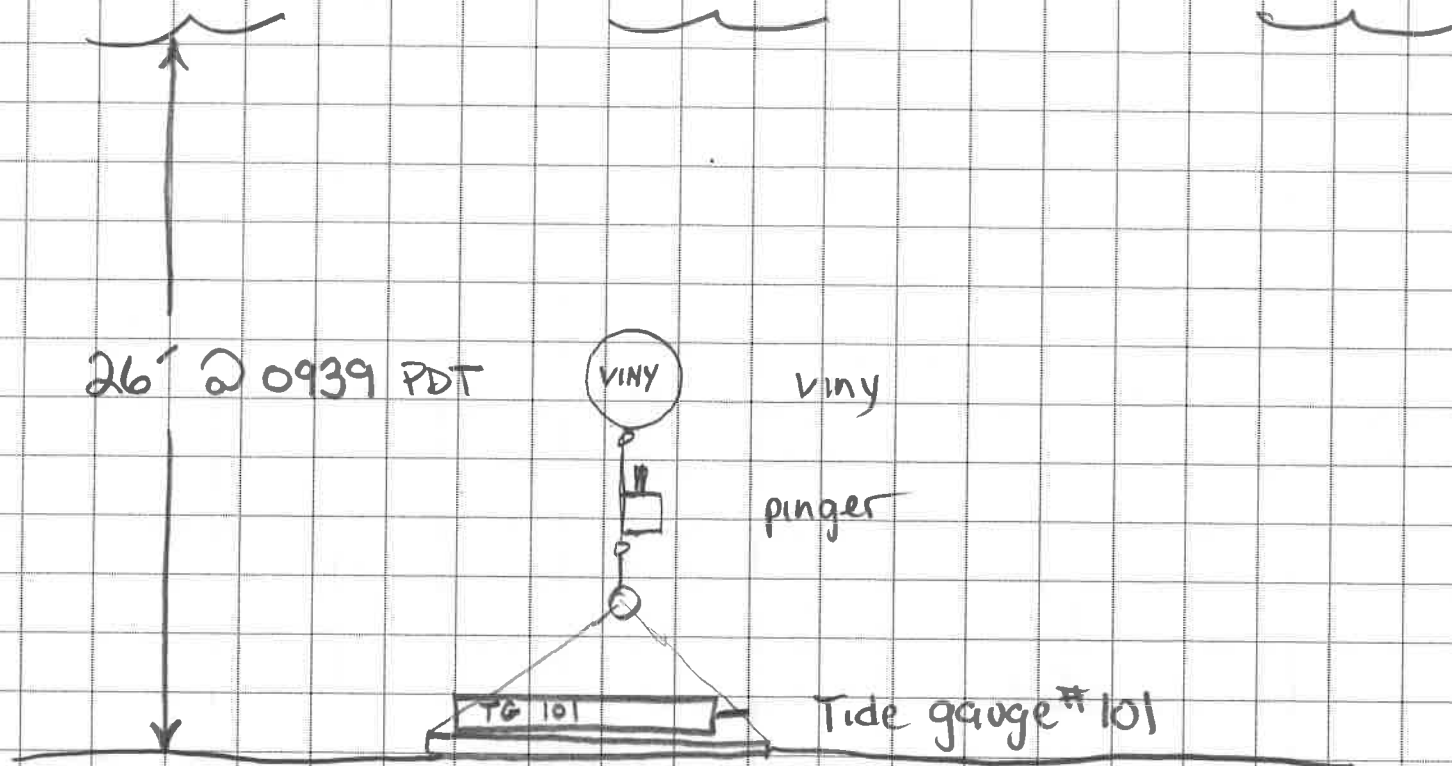
Gauge placed in 26' of water @ 0939 PDT

50° 54.523 N

126° 11.967 W

TIDE GAUGE SN 101

Helle 27 KHZ Pinger w Viny Float



DAILY LOG

Ocean Sciences and Productivity Division

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Month MAY					Year 2002			Ship VECTOR				Cruise ID 2002-11			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments	
						Latitude	Longitude								
22	Kin 0	0813	ROS	BE	009	50°51.69	126°37.17	400		90-104		ST/DA	✓		
		0823		BO		50°51.71	126°37.16		386						
		0839		EN		50°51.69	126°37.22								
	Kin 1.5	0930	ROS	BE	010	50°56.20	126°28.84								
		0939		BO		50°56.17	126°28.89	480		105-119					
		0956		EN		50°56.20	126°28.92		464						
	Kin 3	1057	ROS	BE	011	50°54.89	126°14.71								
		1101		BO		50°54.89	126°14.71	198		120-132					
		1112		EN		50°54.90	126°14.77		186						
22	Kin-TG	1600	MOR	DE	—	50°54.523	126°11.967							Kingcome Tide Gauge	
23	KWATG	0017	MOR	DE	—	50°51.882	126°14.963	28' at	0035 (UTC)					Kwatsi BAY Tide Gauge	
23	TrC2.5	03:50	ROS	BE	012	50 50 36	126 19 60	294		133-146		ET/DT		Touched bottom	
		03:57		BO		50 50 37	126 19 61		281						
		04:14		EN		50 50 30	126 19 84								
23	PP1	05:10	ROS	BE	013	50 48 78	126 31 31	167		147-156		ET/DT			
		05:14		BO		50 48 78	126 31 51		162						
		05:26		EN		50 48 86	126 31 26								

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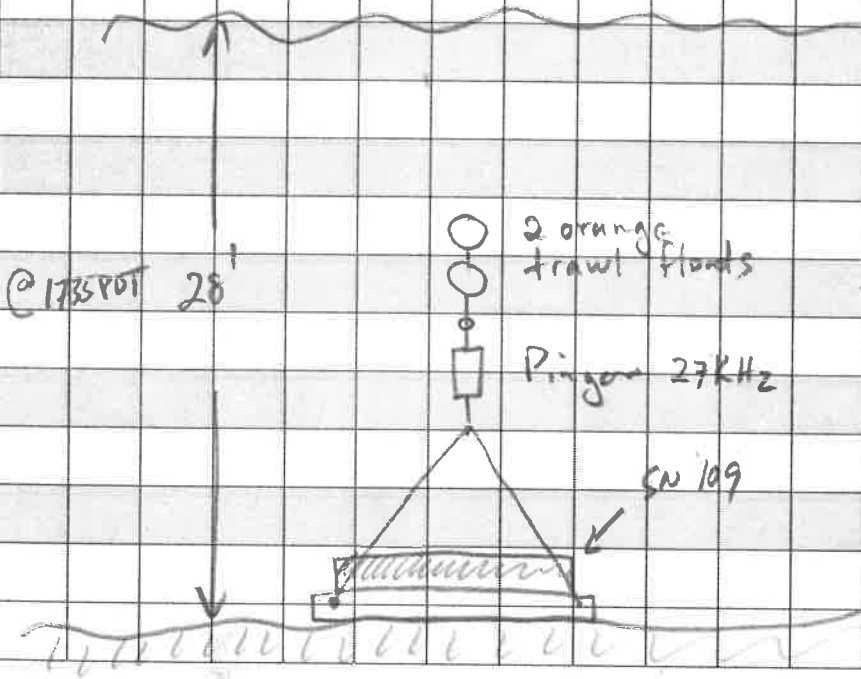
22 March 2002
Daily_log_book.doc

Additional comments

May
22

- 0800 - Divers to Kingcome inlet to set tide gauges - Zodiac
- 0950 - Divers back to Vector For survey equipment then return to beach to set bench marks
- 1240 - Divers back to Vector from survey
- 1300 - Depart Kingcome for Kwatsi Bay

- Arrive Kwatsi Bay. Go in to dock to see owner
- Divers to scout out site for Tide Gauge



DAILY LOG

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Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned		Comments
						Latitude	Longitude								
23	FS	06:10	ROS	BE	014	50° 47.04	126° 36.72	333		157-170					
		06:18		BO		50° 47.09	126° 36.69		320						
		06:35		EN		50° 47.14	126° 36.69								
	QCS 1	0745	ROS	BE	015	50° 39.96	126° 46.27		145						
		0749		BO		50° 39.98	126° 46.33	157		171-180		ST			
		0757		EN		50° 39.99	126° 46.35								
	QCS 1.5	0842	ROS	BE	016	50° 42.87	126° 55.58	145				ST			
		0845		BO		50° 42.86	126° 55.60			181-190					
		0853		EN		50° 42.89	126° 55.61								
	QCS 3	1021	ROS	BE	017	50° 43.76	127° 15.00					ST			
		1026		BO		50° 43.76	127° 15.00	214							
		1036		EN		50° 43.74	127° 14.92		209						
	QCS 4	1127	ROS	BE	018	50° 46.65	127° 24.28					ST			
		1136		BO		50° 46.76	127° 24.36	405							
		1152		EN		50° 46.79	127° 24.36		405						
	MI-DO	1020	ROS	BE	019	50° 39.39	126° 39.72	49	40	218-225	8	DS			
	*local time UTC-7	1021		BO		50° 39.39	126° 39.72								
		1030		EN		50° 39.38	126° 39.72								
	MI-DO	1607	MOR	DE		50° 39.343	126° 39.683	35.3 small boat 40.5 from VECTOR		sounder in lab					

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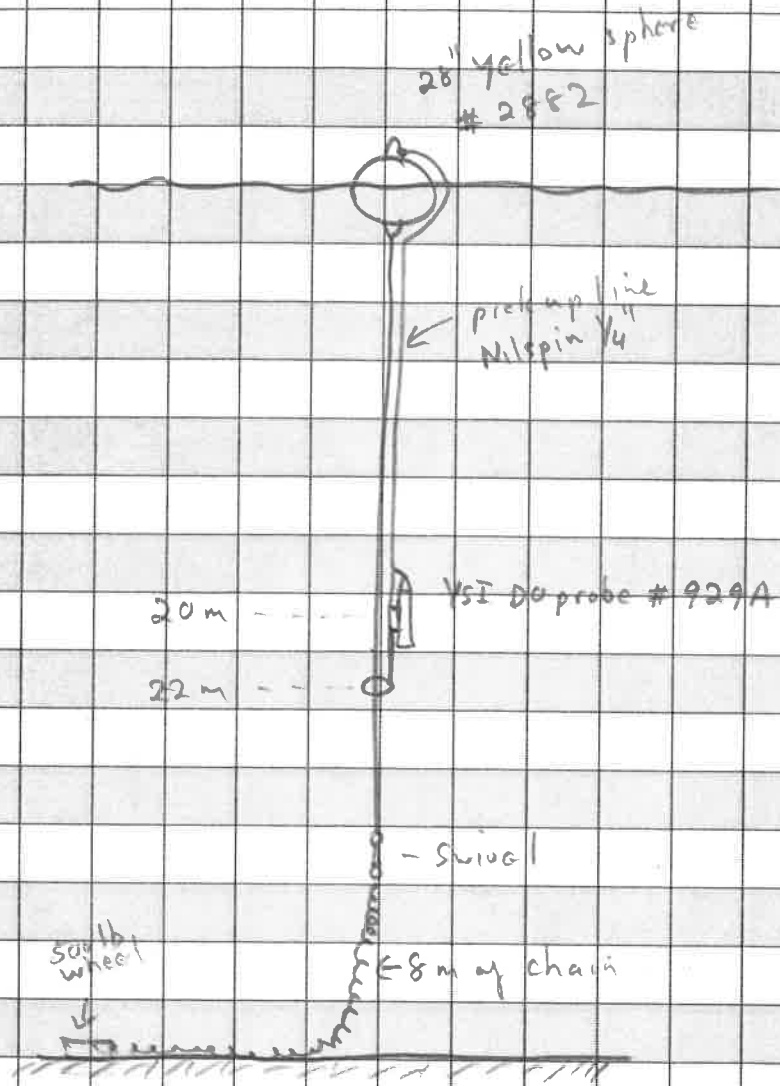
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22 March 2002
Daily_log_book.doc

Additional comments



DAILY LOG

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Month				TC	Year			Ship				Cruise ID			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments	
						Latitude	Longitude								
24	PE-DO	0050	MOR	DE		50° 40.222'	126° 28.994	432						rubber band, sounder (accurate)	
24	PE-DO	0112	ROS	BE	020	50 40.25	126 28.99								
				BO				45	35	226-233	8				
		0121		EN		50 40.26	126 29.00								
24	JS1	0344		BE	021	50' 32.98	126' 46.13	460							
		0355		BO		50' 32.98	126' 46.31		449	234				Bottle 11 didn't fire	
		0414		EN		50' 32.94	126' 46.70								
24	Bu 4	1223	ROS	BE	022	50° 35.20	124° 54.31	642							
		1235		BO		50° 35.21	124° 54.33		629	250-267	18				
		1303		EN		50° 35.21	124° 54.31								
24	JS1	1958	ROS	BE	023	49° 42.27	124° 14.37	288				ST			
		2006		BO		49° 42.34	124° 14.31		276	268-280					
		2019		EN		49° 42.47	124° 14.30			270					
24	JS2	2107		BE	024	49° 46.27	124° 09.34					ST			
		2116		BO		49° 46.23	124° 09.34	611		281-297					
		2135		EN		49° 46.17	124° 09.35		600						

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PE-00

Additional comments

28" yellow sphere
#CG1

MWL

1/4" Nitrospin

20m

YSI DO probe
#9293

22m

44.6m

42

Swivel

2.6

Sn chain

500lb
wheel



DAILY LOG

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						Latitude	Longitude								
24	Je 3	2214	ROS	BE	025	49° 48.57	124° 02.53								
		2226		BO		49° 48.60	124° 02.46	683	674	298-315	18				
		2247		EN		49° 48.66	124° 02.40								
24	Je 4	2328	ROS	BE	026	49° 49.45	123° 54.24	674	662	316-333	18				
		2339		BO		49° 49.46	124° 54.21								
25		0004		EN		49° 49.42	124° 54.20								
25	Je 5	0045	ROS	BE	027	49° 54.24	123° 55.41	657	649	334-351	18				
		0056		BO		49° 54.20	123° 55.42								
		0120		EN		49° 54.23	123° 55.43								
25	Je 6	0202	ROS	BE	028	49° 59.10	123° 59.31	551	539	352-368	17				
		0211		BO		59.16	59.26								
		0233		EN		59.32	59.33								
25	Je 7	0316	ROS	BE	029	50° 02.49	123° 51.19								
		0326		BO		50° 02.50	123° 51.20	546		369-385					
		0345		EN		50° 02.53	123° 51.17		535						
	Je 8	0413		BE	030	50° 05.29	123° 46.71								
		0421		BO		50° 05.30	123° 46.64		468	386-401					
		0437		EN		50° 05.27	123° 46.68	476							
									4						

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						Latitude	Longitude								
25	Je 9	0508	ROS	BE	031	50°08.57	123°50.48	362				ST/DA			
		0515		BO		50°08.58	123°50.48		350						
		0529		EN		50°08.55	123°50.56								
25	Je 10	0606	ROS	BE	032	50°11.41	123°57.13								
		0612		BO		50°11.41	123°57.10	277				ST			
		0624		EN		50°11.44	123°57.13		267						
25	Haw 4	1636	ROS	BE	033	49°35.55	123°14.63	285		430-443	14				
		1642		BO		35.49	14.70								
		1658		EN		35.26	14.83								
25	Ind 2.0	2329	ROS	BE	034	49°23.63	122°52.40								
		2333		BO		49°23.63	122°52.61	218		444-455		ST			
		2343		EN		49°23.63	122°52.62		211						