

DAILY LOG

CRUISE
NUMBER

2001-04

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

9 to 17 Feb, 2001

VESSEL

VECTOR

PROJECT

Aquaculture

8 Feb 2001

2001-04 000, 000

oxygen standards V_6 ① .005 .005
② .007
③ .003 .005 ✓

1002

01013127

V_2 ① .718
② .716 ② .719
③ .718 ✓

high bottom of core 3, 6, 9, 12, 15, 21,
check #8 fixed ✓
#20 @ 10m O₂ to high

Salinity files 4, 6, 8 and 18

pressure	0 6 500	End 8	temp
temp	66 ± 7.1	66 9	← 79 0.2 temp
sal	29 ± 33		
oxy	2.7		
chl	.3 ± .7	0.8 1.	
trans			

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2001					Month Feb			Ship VECTOR				Cruise I.D. 2001-04		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
10	GS	ROS	02:05	BE	002	49 32.23	124° 36.75		98m	80	Non given	24	DJS	Fired 24 bottles to
			02:12	BO	002	37.23	36.73							obtain clean water
			02:17	EN	002	37.26	36.71							for rinsing sed. traps
	#9	MOR												Benthic chamber #
	#9	MOR												Benthic chamber #
	#4	MOR												Benthic chamber
	#4	MOR												Benthic chamber
11	#9	MOR	03:00			50° 40.550	126° 28.558		46.5m					Sed. Trap mooring
														1 trap 5m off bottom
11	#4	MOR	03:25			50° 40.252	126° 28.171		71m					Sed Trap Mooring
														1 trap: 5m off bottom
11	#8	ROS	03:53	BE	003	50° 40.22	126° 28.97		43		1-9	9		
			03:56	BO		11	11							
			04:06	EN		40.23	28.96							
	#8	MOR	04:18			40.235	28.945		40.8 (Bridge)					Sed trap mooring
									44 (195)					2 traps: 20m + 5m off bottom

Cast type:

BOT = otter cast
CTD = CTD
MOR = mooring

ROS = Rosette
NET = net haul
DRF = drifter

USW = sea water loop

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blinking light attached to surface float.

Port Elizabeth

Station #5	Nat Pen #2	50° 40' 13.02" N (50.67038 N)	126° 28' 39.903" W (126.47775)	47.5m
#16	5m from Nat Pen #2	50° 40' 12.886" N (50.67025)	126° 28' 40.471" W (126.47791)	46.3m
#7	30m from Nat Pen #2	50° 40' 12.892" N (50.67025)	126° 28' 33.822" W (126.47606)	42.5
#11	Nat Pen #5	50° 40' 16.456" N (50.67124)	126° 28' 33.822" W (126.47606)	55m

Tide 1.8m at Alut Bay

Dyke taken at 1330 local 15/02/2001

PORT ELIZABETH

33 BATHYMETRIC MARK

10

1 - Single Sed Sm off bottom

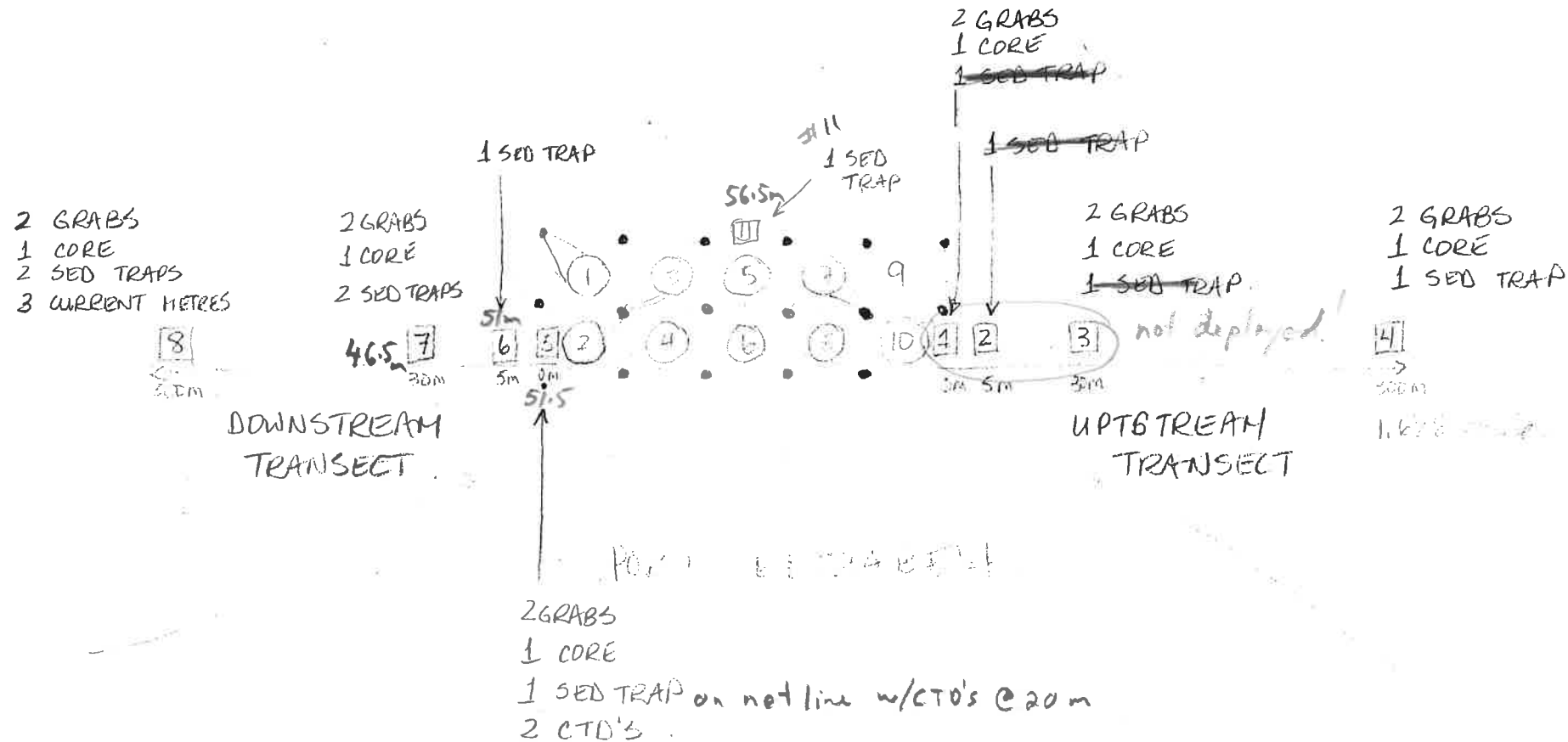
5 GRABS

2 BENTHIC CHAMBERS

1 CORE

9 at 46 m contour

A



Mooring #4 (PE-E)

Anchor dropped at 1709 11/02/2001

~20m
28" sphere # M515
Pinger # 6366
RCM4 # 5471/10

~30m RCM4 # 336/48

~64m S4 # 08291847

Mesotech # 6366

chain

0800 PST 11/2/2001: verified S4 on with inductive loop tester

Mooring #9 (PE-N)

Anchor dropped at 1823 11/2/2001 UTC

~20m
28" sphere # M488
Pinger
RCM4 # 8831

~30m RCM4 # 6491

~45m S4 # 04410754

Mesotech # 4999

chain

0930 PST 11/2/2001: Verified S4 on with inductive loop.

Mooring #8 (PE-W)

Anchor dropped at 1901 11/2/2001

~20m
28" sphere # 207
Pinger
RCM4 # 640

~30m RCM4 # 1458

~41m S4 # 04410755

Mesotech # 5000

chain

1030 PST 11/2/2001: Verified S4 on with inductive coil.

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11	Kn1	ROS	0506	BE	004	50	38.14	126°	25.29		257	235				
			0514	BO			38.20		25.49				10-21	12	DJS.	
			0517	EN			38.19		25.56							
11	Kn2	ROS	0638	BE	005	50°	39.26	126°	11.05		184	177				
			0643	BO			39.28		10.96				22-32	11	DJS	
			0657	EN			39.35		10.73							
11	#4	MOR	1709			50°	40.268	126°	28.141		69					Current Meter Mooring
																2 RCM4's + 1 S4
11	#9	MOR	1823			50°	40.512	126°	28.471		48.5					Current Meter Mooring
																2 RCM4's + 1 S4.
11	#8	MOR	1901			50°	40.260	126°	28.950		45.8					Current Meter Mooring
																2 RCM4's + 1 S4
12	TrC1	ROS	0309	BE	006	50°	43.55	126°	10.89		250		33-44	12		
			0318	BO			43.57		10.76							
			0338	EN			43.54		10.72							

Cast type:

ROS = bottle cast

USW = sea water log

ROS = Rosette

BE = bottom echosounder

Cast type:

BOT = otter cast
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Time Code

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MIDSUMMER IS
SED. Trap Moorings

Feb 13, 2001
1530

#7 - double trap mooring
- one trap 5m off bottom
- one trap @ 20m
50° 39' 21.942" N
126° 39' 59.210" W
43m 14:20 13/2/01

#8 - double trap mooring
- one trap 5m off bottom
- one trap @ 20m
50° 39' 580 N
126° 40' 009 W 18:46 12/2/01
53m

#1 - single trap suspended from outside edge of pen #14
- suspended from centre section of pen #14, down 20m
50° 39' 19.608" N 126° 39' 54.752" W 41.5m 10:51 13/2/01
(1.2-4.2)

#2 - single trap moored 5m off bottom
- located 5m off pens #13 and #14 intersection
50° 39' 19.661" N 126° 39' 54.332" W 42m 12:45 13/2/01

#3 - double trap moored from bottom
- one trap 5m off bottom; one trap @ 20m
- mooring located 130m off pen #13
50° 39' 20.846" N 126° 39' 52.316" W 43.9m 14:55

#4 - double trap moored from bottom
- one trap 5m off bottom; one trap @ 20m
50° 39' 423 N 126° 39' 743 W 50m 18:06 12/2/01

#5 - single trap suspended from walkway between pens #9 & 10
- suspended 20m deep 11:14 13/2/01

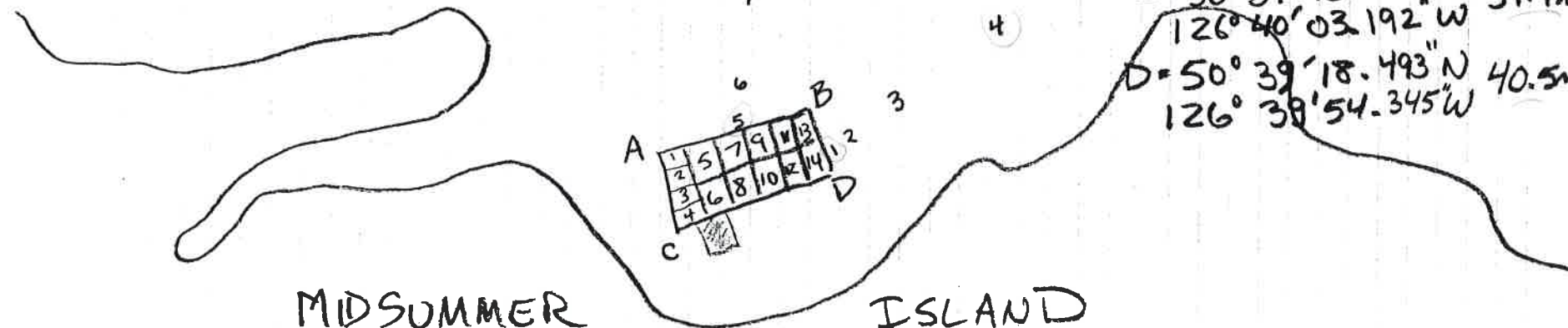
#16 - single trap moored from bottom, 5m off bottom
- located 5m off pen #7 17:47 13/2/01

A = 50° 39' 19.332" N 39.3m
126° 40' 04.026" W

B = 50° 39' 20.684" N 41.2m
126° 39' 55.228" W

C = 50° 39' 16.672" N 39.9m
126° 40' 03.192" W

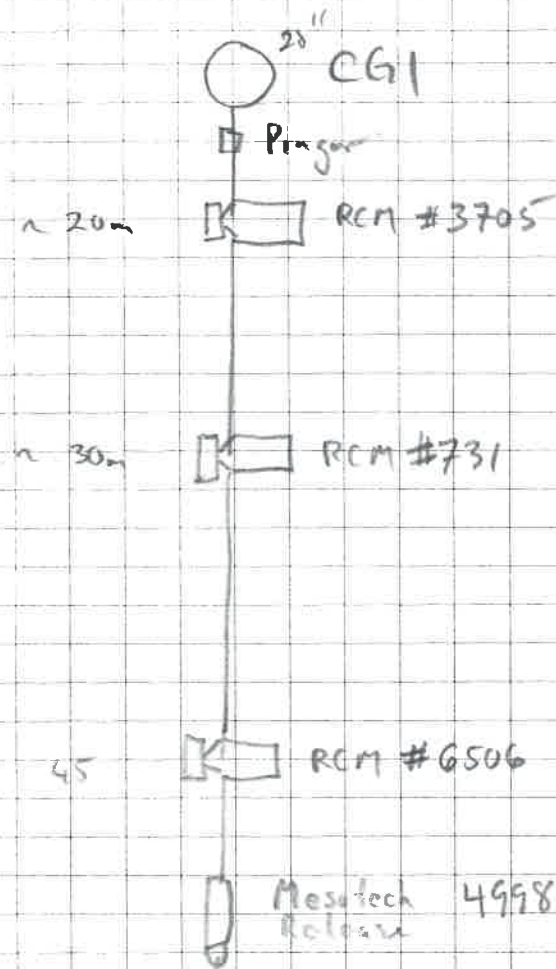
D = 50° 39' 18.493" N 40.5m
126° 39' 54.345" W



Times
←

MI#4

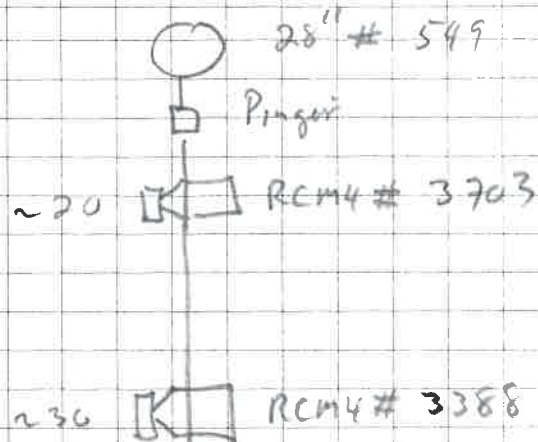
Anchor dropped 1643 13/2/2001



Sounder depth 49.3m

MI#8

Anchor dropped 1737 13/2/2001



Release #5

RCM4 #7897
Mesutech #5258

0m
Sounder Depth 51.5m

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12	TK2.5	ROS	0516	BE	007	50° 50.36'	126° 19.74'		291						
			0515	BO		50.37	19.79				45-57	13			
			0535	EN		50.42	19.88								
12	Kin 1	ROS	0759	BE	008	50° 53.55	126° 34.61		475		58-72	15			
			0808	BO		53.55	34.59								
			0829	EN		53.53	34.54								
13	MI #4	MOR	0219			50° 39.423	126° 39.743		50m		(blinking) light attached to surface float			Sed trap mooring 2 traps: 20m + bot-5m	
13	MI#8	MOR	0231			50° 39.580	126° 40.009		53m		light attached to surface float			Sed trap mooring 2 traps: 20m + bot-5m	
13	MI-11	ROS	0300	BE	009	50° 39.48	126° 39.84		52		73-83	11			
			0304	BO		39.47	39.82								
			0314	EN		39.48	39.86								
13	MI#4	MOR	1643			50° 39.437	126° 39.789		49.3					Current Meter Mooring 3 RCM 4's	
13	MI#8	MOR	1737			50° 39.569	126° 39.969		51.5					Current Meter Mooring 3 RCM 4's	

Cast type:

BOT = otter cast

ROS = Rosette

USW = sea water loop

Time Code

BE = beginning time of cast

BO = bottom only

EN = end of net

Cast type:

BOT = otter cast
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Ocean Sciences and Productivity Division

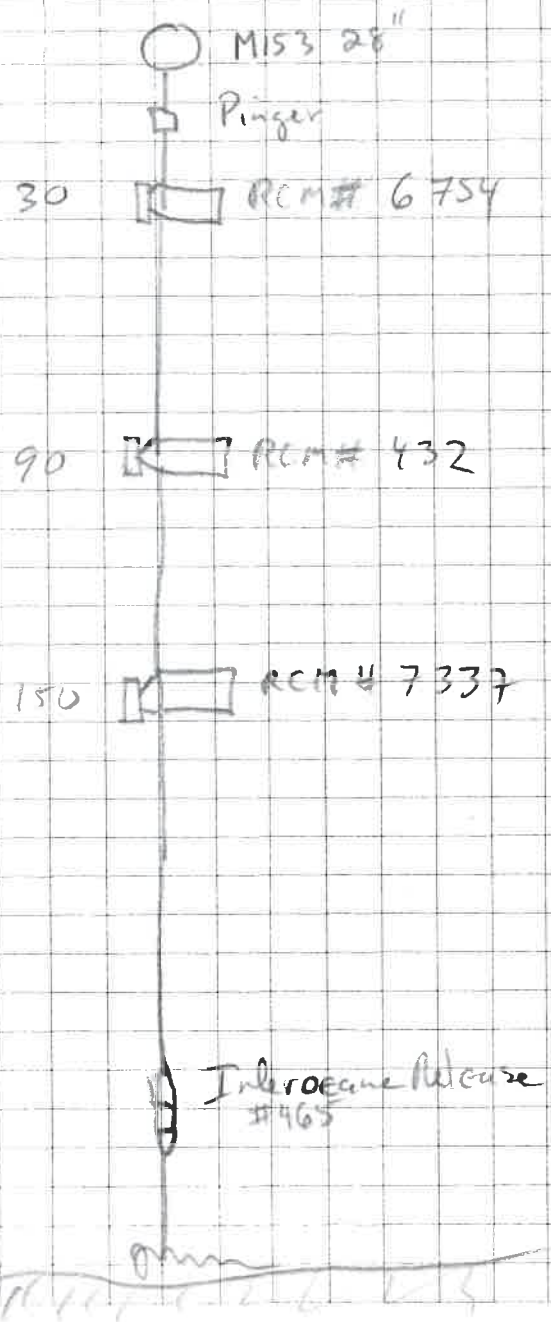
INSTITUTE OF OCEAN SCIENCES

Year					Month			Ship				Cruise I.D.		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
13	MI-12	ROS	2057	BE	010	50° 39.44	126° 39.59		52					Cast #1
			2100	BO		39.45	39.59				84-89	6		
			2106	EN		39.47	39.58							
13	MI-12	ROS	2202	BE	011	50° 39.45	126° 39.60		52					Cast #2
			2204	BO		39.45	39.59				90-95	6		
			2211	EN		39.47	39.53							
13	MI-12	ROS	2300	BE	012	50° 39.46	126° 39.64		53					Cast #3
			2302	BO		39.46	39.63				96-101	6		
			2308	EN		39.46	39.57							
13	MI-12	ROS	2357	BE	013	50° 39.45	126° 39.59		54					Cast #4
14			0000	BO		39.44	39.62				102-107	6		
14			0006	EN		39.43	39.62							
14	MI-12	ROS	0100	BE	014	50° 39.45	126° 39.62		54					Cast #5
			0103	BO		39.44	39.61				108-113	6		
			0110	EN		39.44	39.62							
14	MI-12	ROS	0201	BE		50° 39.44	126° 39.60		54					Cast #6
			0203	BO		39.44	39.59				114-119	6		
			0209	EN		39.45	39.62							

Cast type: BOT = otter cast ROS = Rosette USW = sea water loop Time Code BE = beginning time of cast DE = deployment time
 CTD = CTD NET = net haul BO = bottom time of cast MR = messenger release time
 MOR = mooring DRF = drifter EN = end of cast time RE = recover mooring time

Fife Sound

Anchor dropped 2220 14/2/2001.
in 334m.



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Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
14	QCS 1	ROS	0252	BE	016	50° 39.96	126° 46.28		154					
			0258	BO		39.92	46.36				120-129	10		
			0311	EN		39.87	46.51							
14	CB	ROS	1831	BE	017	50° 41.49	126° 37.54		35		130-133	4		
			1833	BO		41.50	37.55							
			1838	EN		41.50	37.55							
14	FS	MOR	2220			50° 47.052	126° 36.786		334					Current Meter Mooring
														RCN's at 30, 90 + 120m
14	FS1	ROS	2255	BE	018	50° 47.03	126° 36.71		333		134-147	14		
			2303	BO		47.01	36.70							
			2327	EN		47.04	36.78							
15	SC	ROS	0133	BE	019	50° 53.38	126° 45.70		239					
			0140	BO		53.40	45.73				148-159	12		
			0157	EN		53.42	45.73							

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15	WP	RUS	0258	BE	020	50°	50.79	126°	56.43		183					
			0304	BO			50.70		56.48				160-169	10		
			0320	EN			50.63		56.79							
15	PE#9	MOR	1830			50°		126°								Recovery of Sed trap
																1 Sed trap bot-5m
15	PE#8	MOR	1900			50°		126°								Recovery of Sed trap.
																2 sed traps; 20m & bot-5m
15	PE#4	MOR	1918													Recovery of Sed traps
15	PE#8	RUS	2205	BE	021	50°	40.28	126°	29.00			44				Cast #1
			2208	BO			40.28		28.99				170-174	5		
			2213	EN			40.29		29.08							
15	PE#8	RUS	2301	BE	022	50°	40.27	126°	28.98			44				Cast #2
			2303	BO			40.27		29.01				175-179	5		
				EN			40.26		29.07							
16	PE#8	RUS	0000	BE	023	50°	40.29	126°	29.03			45	180-184	5		Cast #3
			0003	BO			40.29		29.06							
			0008	EN			40.29		29.06							

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Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude		Longitude		Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
16	PE-8	RUS	0100	BE	024	50°	40.27	126°	28.99		45					Cast #4
			0103	BO			40.27		29.03				185-189	5		
			0108	EN			40.28		29.08							
16	PE-8	RUS	0200	BE	025	50°	40.26	126°	29.02		45					Cast #5
			0203	BO			40.25		29.03				190-194	5		
			0208	EN			40.25		29.05							
16	PE-8	RUS	0258	BE	026	50°	40.25	126°	28.99		46					Cast #6
			0301	BO			40.25		29.01				195-199	5		
			0306	EN			40.24		29.03							
16	PE-4	RUS	0328	BE	027	50°	40.30	126°	28.19		69					
			0331	BO			40.30		28.23							
			0333	EN			40.29		28.22							
16	MT-4	MOR	1543	RE	5	50°	39.427	126°	39.791							Recovery
																Sed trap (2)
16	MT-8	MOR	1557	RE		50°	39.586	126°	40.013		54m					Recovery
																Sed traps (2)
16	MT-6	MOR	1749	RE												Recovery from whaler (2)
																Sed traps (1)

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MR = messenger release time
RE = recover mooring time

0949

INSTITUTE OF OCEAN SCIENCES

Cast type:	BOT = otter cast	ROS = Rosette	USW = sea water loop	Time Code	BE = beginning time of cast	DE = deployment time
	CTD = CTD	NET = net haul			BO = bottom time of cast	MR = messenger release time
	MOR = mooring	DRF = drifter			EN = end of cast time	RE = recover mooring time