

DAILY LOG

CRUISE
NUMBER

2001-33

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

23 Sept - 4 Oct, 2001

VESSEL

Vector

PROJECT

Aquaculture - Broughton

23 Sept 2001

0910 Depart TOS

DAILY LOG

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	
24	FS-2	MOR	1425	RE								3 RCM's		1458 (UTC) All mooring components on deck	
24	FS-3	MOR	1743	DE		50° 47.061	126° 36.808	GR	336			3 RCM's		1743 (UTC) Top float submerged. 1741 (UTC) Anchor released.	
25	QCS1	ROS	0312	BE	1.	50 40.02	126 46.30		158						
			0315	BO		50 40.02	126 46.30		151		1-9	9			
			0322	EN		50 40.02	126 46.30								
25	QCS2	ROS	0441	BE	2	50 46.60	127 02.38		226		10-21	12.			
			0445	BO		50 46.58	127 02.45			221					
			0455	EN		50 46.60	127 02.52								
25	WP	ROS	0543	BE	3.	50 50.84	126 56.39		183		22-31	10			
			0548	BO		50 81	56.41			175					
			0555	EN		50.74	56.52								
25	SC	ROS	0710	BE	4.	50 53.42	126 45.70		236		32-43	12			
			0715	BO		50 53.43	126 45.70			227					
			0726	EN		50 53.48	126 45.75								

Cast type:

BOT = otter cast

CTD = CTD

MOR = mooring

ROS = Rosette

NET = net haul

DRF = drifter

USW = sea water loop

Time Code

BE = beginning time of cast

BO = bottom time of cast

EN = end of cast time

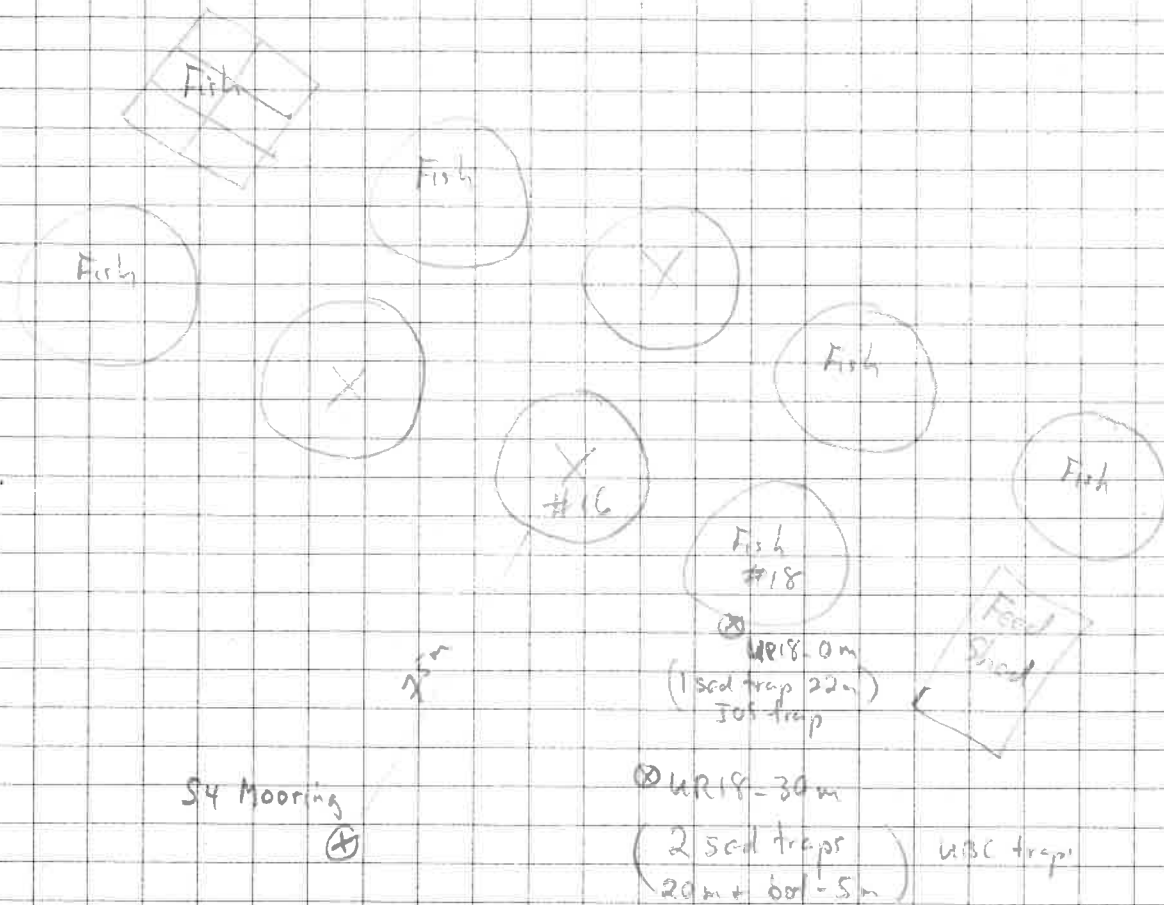
DE = deployment time

MR = messenger release time

RE = recover mooring time

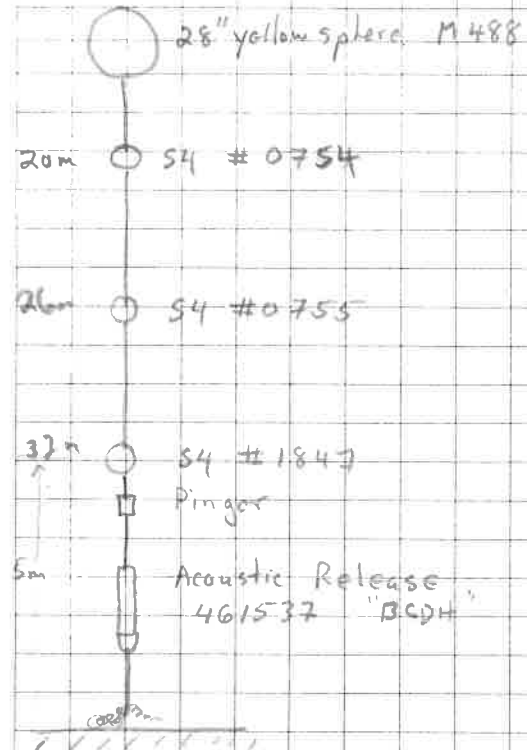
UPPER RETREAT

Terri + Leon (managers)



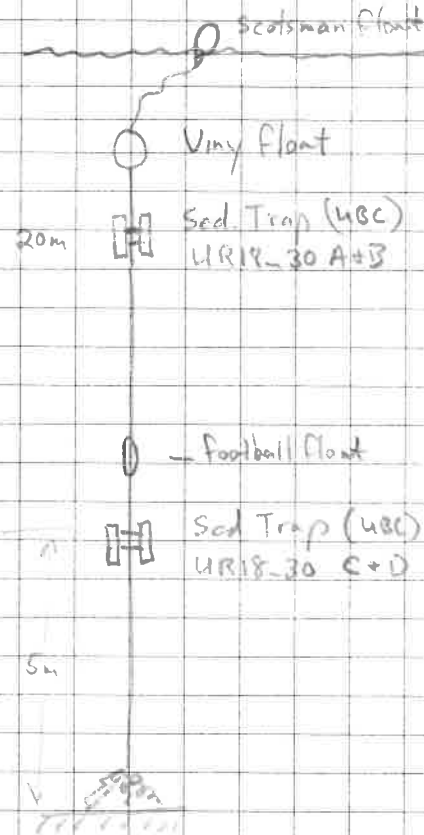
AKA
 ⊗ UR-6 (UR18-300m) : (2 sed traps 20m + bot-5m) JGS traps

Upper Retreat Current Meter Mooring ~ 75m away from net pen #16



Otter Bag deployed
by M. Dempsey

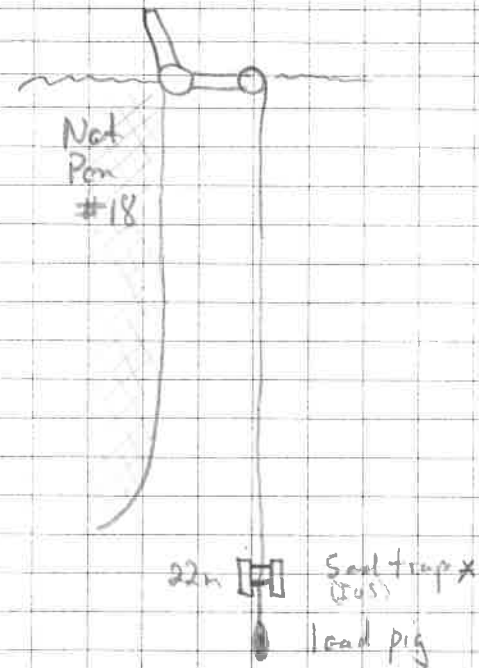
Sediment Trap Mooring UR18-30m



Depth 34m

Otter Bag deployed
by M. Dempsey

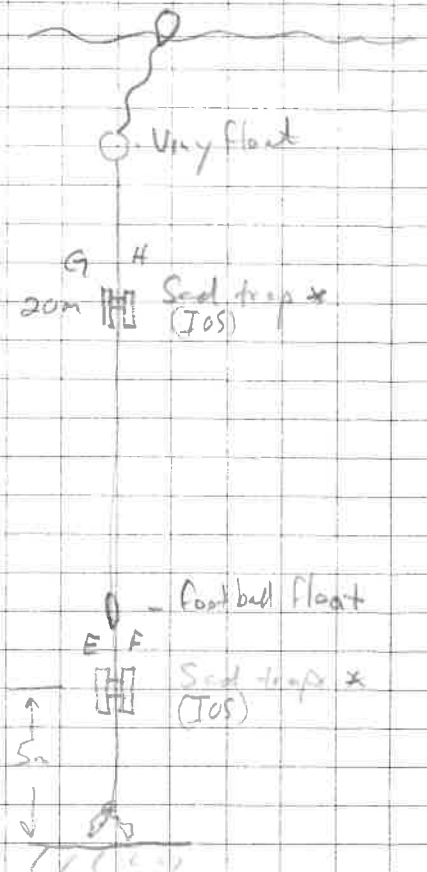
Sediment Trap Mooring UR18-0m



*Note:
IOS sediment traps had
no sediment cups in them.

Otter Bag deployed
by M. Dempsey

Sediment Trap Mooring URG (300m away from farm)



VECTOR deployed
by M. Dempsey

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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
25	UR	MOR	1855	DE		50° 43.273'	126° 34.161'	GPS	37m		deployed from Otter Bay			S4 Current Meter Mooring
25	UR18-30m	MOR	20:14	DE		50° 43.263'	126° 34.113'	GPS	34m	"	"	"	"	Sediment Trap Mooring 20m + 5m off bottom
25	UR18-0m	MOR	20:32	DE		50° 43.274'	126° 34.067'	GPS	35m	"	"	"	"	Sediment Trap Mooring hung off pen #18 at 22m.
26	PP1	ROS		BE	5	50° 48.85	126° 31.55		150		44-52	9		
			0355	BO		48.87	31.56							
			0404	EN		48.85	31.58							
25	URG	MOR	2217	DE		50° 43.207	126° 34.348		45m		Deployed from VECTOR			Sediment trap mooring (20m + 5m off bottom)
														Note: sed caps missing - round bottoms
26	Kin0	ROS	0439	BE	6	50° 51.69	126° 37.21		405					raining
			0447	BO		51.66	37.21							
			0504	EN		51.58	37.11				53-66			

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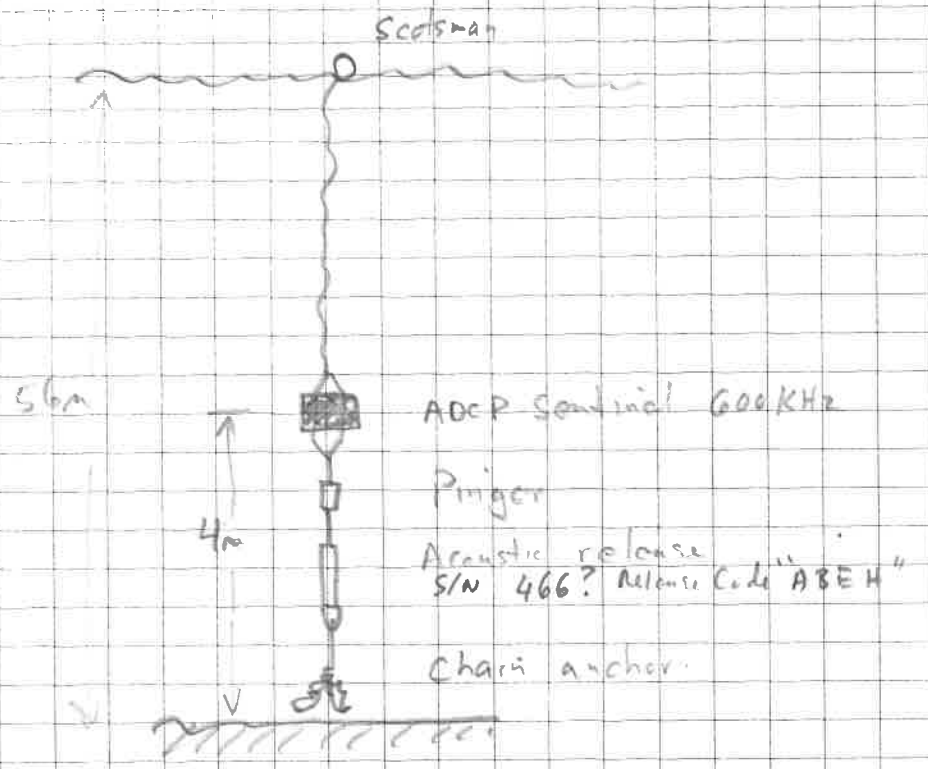
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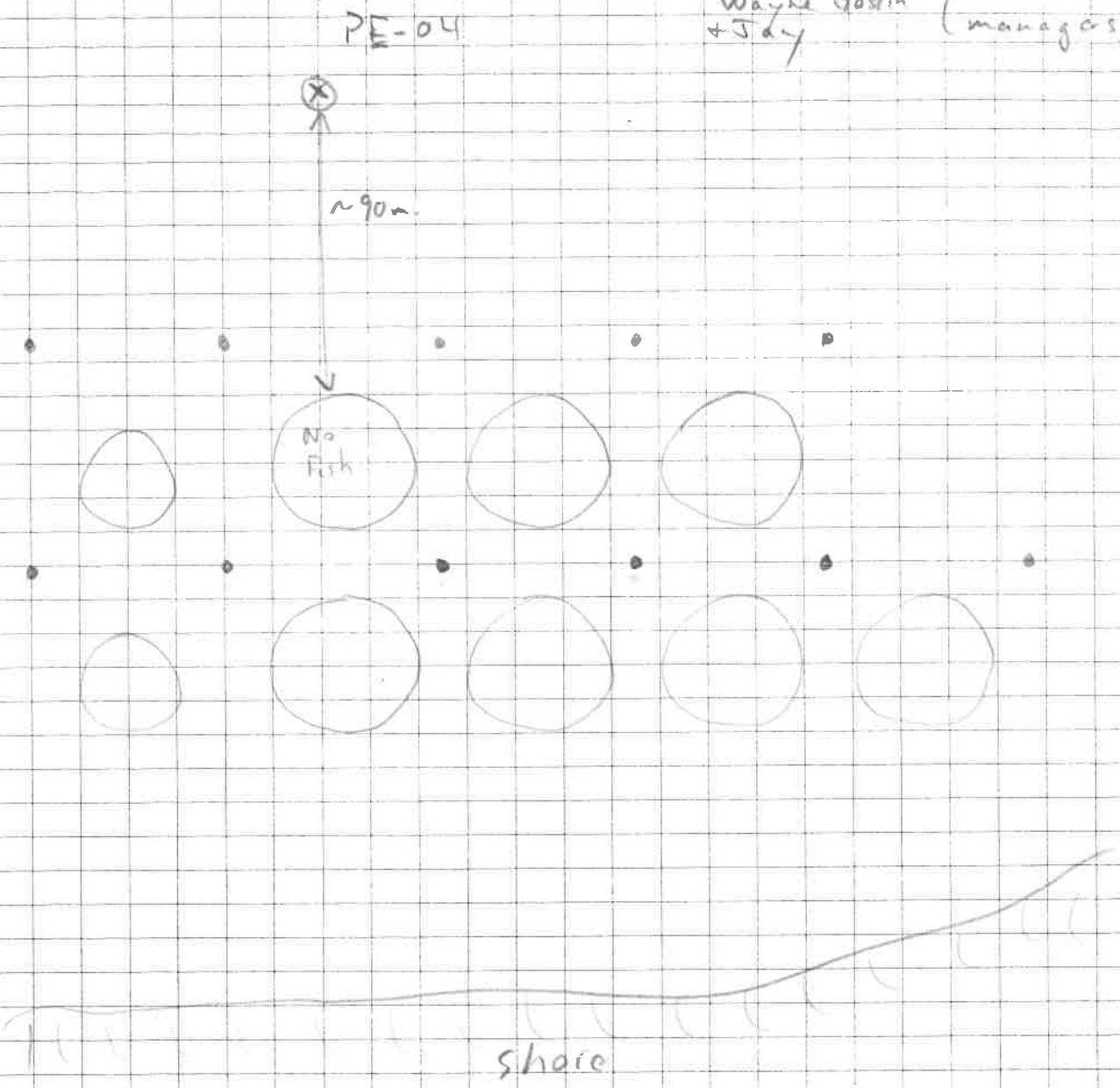
PE-04 Port Elizabeth ADCP Mooring

Wayne Goslin (manager)
4 July



Deployed with Otter Bay
12:25 PDT 26/09/2001

Mike Dempsey



DAILY LOG

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26	Kin 1.5	ROS	0554	BE	7	50° 56.15	126° 28.92		480					raining!
			0609	BO		50° 56.13	126° 28.90							
			0628	EN		50° 56.13	126° 28.82				67-81			
26	Kin 3	ROS	0728	BE	8	50° 54.91	126° 14.71		200					
			0732	BO		50° 54.91	126° 14.66							
				EN		50° 54.91	126° 14.57				82-92			
26	PE-04	MOR	1925	DE		50° 40.319	126° 28.619	GPS	56m					ADCP Mooring deployed by Otter Bay M. Dempsey
27	CC2	ROS	0245	BE	9	50° 34.21	126° 29.29		70					
			0248	BO		50° 34.21	126° 29.30							
			0253	EN		50° 34.22	126° 29.30				93-98			raining
27	CC1	ROS	0340	BE	10	50° 36.31	126° 21.39		118					
			0342	BO		50° 36.31	126° 21.41							raining
			0349	EN		50° 36.30	126° 21.48				99-105			

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27	Kn1	RUS	0426	BE	11	50°	38.10	126°	25.36			257				
			0431	BO		50°	38.11	126°	25.43							
			0444	EN		50°	38.12	126°	25.63				106-117			
27	JS1	RUS	0657	BE	12	50°	33.03	126°	46.25			460				
			0706	BO		50°	33.03	126°	46.23							
			0727	EN		50°	32.97	126°	45.89				118-132			
28	Kn2	RUS	0052	BE	13	50°	39.31	126°	11.09			187				Sealed trans. lens.
			0056	BO		50°	39.31	126°	11.17							
			0107	EN		50°	39.32	126°	11.20				133-142			
28	TrC1	RUS	0155	BE	14	50°	43.60	126°	10.89			290				
			0203	BO		50°	43.58	126°	10.95							
			0220	EN		50°	43.44	126°	11.03				143-155			
28	TrC2.5	RUS	0330	BE	15	50°	50.42	126°	19.73			290				high Chl ~ 10 µg/l
			0356	BO		50°	50.52	126°	19.70							
			0410	EN		50°	50.47	126°	19.81				156-168			

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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
28	FIS	ROS	0538	BE	16	50°	47.12	126°	37.08		347					
			0544	BO		50°	47.13	126°	36.97							
			0600	EN		50°	47.16	126°	36.98				169-182			
28	RPG	ROS	1503	BE	17	50°	40.31	126°	38.90		73					raining
			1505	BO		50°	40.30	126°	38.91							
			1512	EN		50°	40.30	126°	38.84				183-188	6		
28	RP-5	ROS	1532	BE	18	50°	41.08	126°	37.77		48		189-193	5		
			1534	BO		50°	41.07	126°	37.77							
			1538	EN		50°	41.06	126°	37.77							
28	RP-3	ROS	1557	BE	19	50°	42.45	126°	36.01		43					Station entered as RP-4
			1600	BO		50°	42.43	126°	36.01							but actually RP-3
			1604	EN		50°	42.43	126°	36.00				194-198	5		
28	RP-2	ROS	1625	BE	20	50°	42.72	126°	35.72		51					Station entered as RP-3
			1627	BO		50°	42.72	126°	35.72							but actually RP-2
			1632	EN		50°	42.71	126°	35.73				197-203	5		

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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
28	RP-1	RUS	1655	BE	21	50°	43.32	126°	34.81		81					Station ordered as RP-2 but actually RP-1
	1		1658	BO		50°	43.33	126°	34.82							
			1704	EN		50°	43.33	126°	34.83				204-209	6		
28	RP-4	RUS	1736	BE	22	50°	41.99	126°	36.47		47					
			1739	BO		50°	41.96	126°	36.48							
			1743	EN		50°	41.94	126°	36.50				210-214	5		
29	UR6-1	RUS	2001	BE	23	50°	43.21	126°	34.41		44					Upper Netcorel
			2003	BO		50°	43.21	126°	34.41							Time Series.
			2007	EN		50°	43.20	126°	34.41				215-219	5		
29	UR6-2	RUS	2101	BE	24	50°	43.21	126°	34.42		44		220-224	5		
			2103	BO		50°	43.21	126°	34.41							
			2107	EN		50°	43.21	126°	34.42							
29	UR6-3	RUS	2202	BE	25	50°	43.20	126°	34.39		43		225-229	5		
			2203	BO		50°		126°			40					
			2207	EN		50°	43.20	126°	34.39							

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Year 2007					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
29	UR6-4	ROS	2300	BE	26	50	43.22	126	34.41		43.		230-234	5		
			2302	BO		50	43.22	126	34.43			40.				
			2308	EN		50	43.21	126	34.46							
30	UR6-5	ROS	0001	BE	27	50	43.22	126	34.41		41.5		235-239	5		
			0003	BO			43.22		34.42			40				
			0007	EN			43.21		34.43							
30	UR6-6	ROS	0101	BE	28	50	43.21	126	34.36		40.8		240-244	5		
			0104	BO			43.21		34.37			39.7				
			0109	EN			43.20		34.37							
30	UR6-7															
30	UR6-7		0201	BE	29	50	43.22	126	34.40		40.8		245-249	5		
			0203				.22		.40							
			0208	EN			.22		.42							
30	RP-2		0224	BE	30	50	42.74	126	35.77		48.8		250-255	6		
			0227				.75		.76			48.				

Cast type:

ROS = bottle cast

ROS = Buoys

USW = moored

Time Code

Bottom Depth

Max Depth

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year					Month <i>Sept</i>				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
30	PE4-1	ROS	1429	BE	31	50°	40.28	126°	29.06		43.		256-260	5		<i>Port Elizabeth Time Series with DON</i>
			1432	BO		50°	40.28	126°	29.04							
			1437	EN		50°	40.29		29.01							
30	PE4-2	ROS	1532	BE	32	50°	40.27	126°	29.03		43.		261-265	5		
			1534	BO		50°		126°								
30	PE4-3	ROS	1630	IN	33	50	40.27	126	29.01		45.0		266-270	5		
30	PE4-4	ROS	1727	BE	34	50	40.27	126	28.99		46.0		271-275	5		
				BO								43.				
30	PE4-5	ROS	1827	BE	35	50	40.28	126	29.00		46.8		276-280	5		
30	PE4-6	ROS	1943	BE	36	50	40.28	126	29.00		47.5	45.0	281-285	5		
30	PE4-7	ROS	2037	BE	37	50	40.29	126	28.99		47.7	45.	286-290	5		
30	Kn1	ROS	2132	BE	38	50	38.09	126	25.32		259		291-296	6		

Cast type:

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02	QCS1	ROS	0057	BE	39	50° 40.01	126° 46.34		159		297-305	9		
			0102	BO		50° 40.06	126° 46.37							
			0111	EN		50° 40.13	126° 46.47							
02	QCS2	ROS	0228	BE	40	50° 46.58	127° 02.38		223		306-317	12		
			0233	BO		50° 46.55	127° 02.45							
			0247	EN		50° 46.50	127° 02.68							
02	QCS3	ROS	0343	BE	41	50° 43.74	127° 14.94		211		318-328	11		
			0348	BO		50° 43.73	127° 14.90							
			0359	EN		50° 43.73	127° 14.79							
02	QCS4	ROS	0448	BE	42	50° 46.63	127° 24.25		412		329-342	14		
			0456	BO		50° 46.65	127° 24.25							
			0513	EN		50° 46.73	127° 24.16							

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Sediment Trap Recovery
(URG)

02-Oct-2001

UR18-300m (Ius traps)

1221 PDT off bottom

1225 PDT 20m trap out of water

1235 PDT bot-5m trap out of water

Notes:

- bot-5m trap, both sides missing drain screws +

- lost about 1/2 of liquid contents of trap.

- E side also leaking through end cap

20m labelled UR-G & UR-H

bot-5m labelled UR-F & UR-E

UR18-30m (UBC traps used)

1250 PDT off bottom

1255 PDT 20m trap out of water

20m trap labelled UR18-30 C + UR18-30 D

bot-5m trap labelled UR18-30A + UR18-30B

Note

C side had small water leak through threads of bottom cap.

UR18-0m (red pan) (Ius trap)

1306 PDT trap disturbed

1306 PDT trap out of water

labelled URA + URB
UR18-0m

Note:

B side bottom cap leaking through threads

A side missing bottom drain screw

DAILY LOG

AKA
UR6

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02	UR18-300	MOR	1921	RE												300 m sed trap recovery 20m + bot - 5m.
02	UR18-30	MOR	1950	RE												30m sed trap recovery 20m + bot - 5m.
02	UR18-0	MOR	2006	RE												Not pu trap 22m deep.
03	SS1	ROS	0146	BE	43	50°	50.09	126°	29.50		100					
			0148	BO		50°	50.09	126°	29.49							
			0155	EN		50°	50.11	126°	29.45				343-349	7		
03	SS2	ROS	0211	BE	44	50°	51.18	126°	29.66		55					
			0214	BO		50°	51.19	126°	29.68							
			0219	EN		50°	51.20	126°	29.68				350-354	5		
03	GS1	ROS	0404	BE	45	50°	50.92	126°	46.02		151					
			0408	BO		50°	50.93	126°	46.02							
			0417	EN		50°	50.92	126°	46.05				355-363	9		

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[illegible]

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	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