SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F 59 +01 179 (1 ± lat ± long no. 11)

CRUISE NO. 83 WH 02 (year : ship : no 18)

DATE 05 20 (mnth : day 22)

TIME (local) 19 35 (hrs : mins 26)

WATER DEPTH 117 (metres 30)

POSITION FIXING METHOD 4

COMMENT X (32)

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 0E

RED ☐

GREEN ☐ I 34.11 (48)

PURPLE ☐ G 52.79 (55)

POSITION

LATITUDE +59 49.85 (± degs : mins (decimal) 63)

LONGITUDE +01 35.34 (± degs : mins (decimal) 71)

ADDITIONAL INFORMATION :

SAME LOCALITY AS CORE 59+01 178

EQUIPMENT TYPE: 1 = sample recovered; 2 = no sample (geological reasons); 3 = no sample (equipment failure); 4 = no sample (undifferentiated)

G (1) dup cols 2-11

GS | VE | CS | CR | DM | DR | BH | SD | RD | SU | PS | DI | BS | OC | OG

1 (12 - 22 - 32)

T.D. metres 123 (50 - 55)

SUMMARY SAMPLE DESCRIPTION : (Free text - max. 69 characters)

H (1) dup cols 2-11

POORLY SORTED SAND ON SHELL HASH (12 - 20 - 30 - 40)

THEN THIXOTROPIC SAND (50 - 60 - 70 - 80)

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER Head	PENETROMETER Readings					HAND VANE Head	HAND VANE Readings			

AVERAGED DATA

DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)
I (1) dup cols 2-11		
14	18	22
25	29	33
36	40	44
47	51	55
58	62	66
69	73	77
I (1) dup cols 2-11		
14	18	22
25	29	33
36	40	44
47	51	55
58	62	66
69	73	77

SAMPLE DESCRIPTION SHEET

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SAMPLE NO. 59 | +01 | 179

SURFACE SAMPLE	Equipment Used:	Seabed Photo: Yes/No	Stored in: Jars, Bags.

No Grab sample – Same locality as 59+01 178GS

CORE SAMPLE	Equipment Used: VE	Stored in: 3 Cut Cores, —Uncut Cores, —Jars, —Bags.

Core Photo: Yes/~~No~~

Depth (m)	Log	Description	Sub Samples	Geotechnical Log
0		S 0.28 SS 0.58 S Poorly sorted fine-med olive sand with some gravel grade shell fragments. 5% lithic fragments 3% shell fragments. Some rose quartz mainly subangular to subrounded quartz grains.		
1		muddy sandy shell hash with pebbles up to 7cm across – mainly of gneiss – well rounded pebbles. Shell mainly broken bivalve fragments. Sand is quartzose, subangular to subrounded grain.		
1.23m T.D.		CORE 59 +01 178 FROM SAME LOCALITY REACHES THIS LEVEL		
2				
3		Well sorted fine quartzose sand, light grey in colour and thixotropic especially towards the base. 7% lithic fragments and glauconite, occasional gravel grade shell fragment but otherwise a good clean sand with subangular to subrounded quartz grains.		
4				
5				
6				

shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: A. SKINNER

SAMPLE NUMBER K 59 +01 179

K dup columns 2-11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	SEDIMENT (Folk class) or main rock type	subordinate rock type	MUNSELL COLOUR	Sorting	HCl Reaction	SAND Grain Size Range	SAND Roundness Range	SAND Sphericity	SAND % Shell Material	MUD Hardness	MUD Plasticity
0.00	0.28	S		5Y 4/3	P	M	FM	SU	H	3		
0.28	0.58	gS		5Y 4/2	P	M	FM	SU	H	1.5		
0.58	1.23	S		5Y 5.5/1	W	W	F	SU	H	1		

DEPTH INTERVAL (m) upper	GRAVEL % Shell Material	GRAVEL Max. Clast Size (mm)	GRAVEL Roundness Range	GRAVEL Sphericity	Basal Contact	Bedding	Jointing	H_2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0.00	100	20			G									P					C
0.28	80	70			G														C
0.58	100																THIX	I	C

12 21 30 40 48 52 61 ABUNDANCE SCALE 80

L dup columns 2-11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	label	ADDITIONAL COMMENTS (FREE TEXT)
0.00	0.28		SOME GRAVEL GRADE SHELL FRAGMENTS
0.28	0.58		SHELLY AND PEBBLY VERSION OF ABOVE PEBBLES OF GNEISS
0.58	1.23		SAND MORE THIXOTROPIC TO BASE

12 21 30 40 50 60 70 80

SORTING OF TOTAL SAMPLE	HCl REACTION	SAND GRAIN SIZE	ROUNDNESS	SPHERICITY	MUD HARDNESS	MUD PLASTICITY	BASAL CONTACT	BEDDING	JOINTING	H_2S ODOUR	ABUNDANCE SCALE	LITHOSTRAT UNIT	COMMENTS
V=very poorly sorted	N=no reaction	S=silt	V=very angular	L=low	V=very soft	N=non-plastic	G=gradational	F=flat lamination	J=prominent joints	W=weak	R=rare	G=group	C = additional comments below
P=poorly sorted	W=weak	V=very fine	A=angular	H=high	S=soft	L=low plasticity	S=sharp	R=ripple lamination	D=prominent discontinuities	M=moderate	C=common	F=formation	1,2 etc = label if more than one comment.
M=moderately sorted	M=moderate	F=fine	S=subangular		F=firm	I=intermediate	E=erosive	X=cross-bedded	F=fissuring	S=strong	A=abundant	M=member	
W=well sorted	S=strong	M=medium	U=subrounded		T=stiff	H=highly plastic	U=unconformity	D=disturbed		A=induced by acid		B=bed	
X=very well sorted		C=coarse	R=rounded		Y=very stiff			C=colour banded				I=informal	
		K=very coarse	W=well rounded		H=hard			G=graded bedding					

SHEET ____ OF ____