SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F 59 +01 162 (1 ± lat ± long no. 11)

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

DATE 05 19 (mnth : day 22)

TIME (local) 21 40 (hrs : mins 26)

WATER DEPTH 122 metres 30

POSITION FIXING METHOD L

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 0E

RED 41

GREEN H 34.36 48

PURPLE G 71.29 55

POSITION

LATITUDE +59 40.94 (± degs : mins (decimal) 63)

LONGITUDE +01 48.81 (± degs : mins (decimal) 71)

ADDITIONAL INFORMATION :

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 (12 22 32)

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

T.D. metres 5.20 (50 55)

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

H (1) dup cols 2-11 (12)

POORLY SORTED FINE SAND ON MUDDY (20 30 40)

AND CLAYEY SAND ON FINE SAND (50 60 70 80)

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER Head | Readings | HAND VANE Head | 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
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SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. 59 | +01 | 162

SURFACE SAMPLE | Equipment Used: GS | Seabed Photo: ~~Yes~~/No | Stored in: 1 Jars, — Bags.

mS Poorly sorted silty fine sand olive in colour with 5% lithic fragments and 7% shell fragments. Forams common. moderate reaction with HCl. occasional mica flake but predominantly subangular to subrounded quartz grains of fine sand/to silt size.

CORE SAMPLE | Equipment Used: VC | Stored in: 5 Cut Cores, — Uncut Cores, 1 Jars, — Bags. | Core Photo: Yes/~~No~~

Depth (m)	Log	Description	Sub Samples	Geotechnical Log
0				
0.28		mS. as above, some gravel grade shell material possibly more sandy esp to base of unit.		
1	mS	Poorly sated muddy sand, grey in colour 5Y 4/1 i·5 with 5% of lithic fragments and some gravel grade shell fragments and valves in top portion of the unit. Predominantly a clayey silt sized mixture of subangular to		
2	more sandy	subrounded quartz grains. No good lamination but some parts are more silty, possibly sandy wisps shown and they appear as discrete		
3	more sandy	layers whereas elsewhere they may be small coarser grained inclusions. Moderate HCl reaction, little or no H_2S smell.		
3.85	S	Moderately well sorted fine sand, slightly		
4	more clayey	silty in places at first then progressing into uniform sand with subangular to subrounded quartz grains, some mica flakes and 3% lithic fragments. moderate HCl		
5		reaction — No smell.		
5.20m T.D.				
6				

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: A-SKINNER

SAMPLE NUMBER K 59 +01 163

K dup columns 2-11

DEPTH INTERVAL (m) upper	lower	SEDIMENT (Folk class) or main rock type	subordinate rock type	MUNSELL COLOUR	Sorting	HCl Reaction	SAND Grain Size Range	Roundness Range	Sphericity	% Shell Material	MUD Hardness	Plasticity	GRAVEL % Shell Material	Max. Clast Size (mm)	Roundness Range	Sphericity	Basal Contact	Bedding	Jointing	H_2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0	0.28	ms		5Y 4/3	P	M	S,F	S,U	M	7												P				C					C
0.28	3.85	ms		5Y 4/1.5	P	M	S,F	S,U	M	2																					C
3.85	5.20	s		5Y 4/1	M	M	F	S,U	M	2												P									C

12 21 30 40 48 52 61 ABUNDANCE SCALE 80

L dup columns 2-11

DEPTH INTERVAL (m) upper	lower	label	ADDITIONAL COMMENTS (FREE TEXT)
0	0.28		SOME GRAVEL GRADE BIVALVE SHELLS AND FRAGMENTS IN CORE
0.28	3.85		SOME MORE SANDY LENSES IN SOME PARTS
3.85	5.20		SOME MORE SILTY LENSES OR LAYERS IN TOP PART OF UNIT

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	
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	1,2 etc=label if more than one comment.
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 ____