SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F 59 +01 214
1 ± lat ± long no. 11

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

DATE 05 23 (mnth : day 22)

TIME (local) 04 13 (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 A 38.98 48

PURPLE F 76.88 55

POSITION

LATITUDE +59 53.73 (± degs : mins (decimal) 63)

LONGITUDE +01 07.96 (± 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

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

1 (12 22 32)

T.D. metres 057 (50 55)

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

H 1 dup cols 2-11

POORLY SORTED FINE SAND LOWER PAR (12 20 30 40)

T WITH SHELLS IN SILTY CLAY (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

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SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. 59 | +01 | 214

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

S Poorly sorted fine grained quartzose sand, olive in colour with 2% lithic fragments, 2% shell fragments and common forams. Occasional larger subrounded quartz grain but predominantly fine subangular to subrounded quartz grains.

CORE SAMPLE	Equipment Used: C S	Stored in: 1 Cut Cores, — Uncut Cores, — Jars, — Bags.

Depth (m)	Log	Description	Core Photo: Yes/~~No~~	Sub Samples	Geotechnical Log
	0.57 m T.D.	S as above then shelly sand not well (S) S developed but ? Lash in this layer with M same sand again. then Soft to firm moderately plastic ~~slightly~~ silty clay or clayey silt with some small inclusions of silty fine sand but no good lenses or layers of it as in core 59+01 213. Grey in colour, moderate HCl reaction and H_2S given off.			
1					
2					
3					
4					
5					
6					

○ shear strength △ compressive strength

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SAMPLE STATION GEOLOGY

GEOLOGIST: A. SKINNER

SAMPLE NUMBER: K 59 +0.1 -2.14

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
Ø:0	Ø:1.4	S		5Y 4/3	P	M	F	SU		2							G									C				
Ø:1.4	Ø:2.0	(gr) S		5Y 4/3	P	M	F	SU		3							S											H,A,S,H	I	C
Ø:2.0	Ø:5.7	M		5Y 4/1	P	M	SI	SU		1	S	I	1.Ø Ø	2.Ø																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)
Ø:1.4	Ø:2.0		GRADATIONAL INTO MORE SHELLY MATERIAL FROM TOP H,A,S,H
Ø:2.0	Ø:5.7		SILTY CLAY OR CLAYEY SILT WITH SOME SILTY SAND INCLUSIONS

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	1,2etc=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 ____

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[59N001E/214/BGS3_C/1]