SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) +59 (± lat) -01 (± long) 141 (no.) 11

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

DATE 04 17 (mnth : day) 22

TIME (local) 22 49 (hrs : mins) 26

WATER DEPTH 142 (metres) 30

POSITION FIXING METHOD A

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED A 33 41

GREEN A 32.84 48

PURPLE A 66.47 55

POSITION

LATITUDE +59 07.90 (± degs : mins (decimal)) 63

LONGITUDE -00 15.50 (± 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	1													

(12 … 22 … 32)

T.D. metres: 125 (50 … 55)

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

H (1) dup cols 2-11

FINE SANDY, OLIVE SILT OVER V. SOFT (12 … 20 … 30 … 40)

OLIVE/OLIVE GREY FINE SANDY MUD (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

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. 59 -01 141

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

sM Olive, fine to v. fine sandy silt. 5Y 4/4. High percentage of quartz grains

Sample of worm tube for RSM.

CORE SAMPLE	Equipment Used: CS	Stored in: 2 Cut Cores, Uncut Cores, Jars, Bags.

Depth (m)	Log	Description	Core Photo: Yes/~~No~~	Sub Samples	Geotechnical Log
0.25		sM Description as for GS with 5cm angular bivalve fragment at base of unit.			
1		sM Very soft, highly plastic, fine to v. fine sandy silty mud. Slight reaction to HCl. Band of broken shell frags. at 0.80m. Colour varies from olive 5Y 4/4 at top of unit to olive grey 5Y 4/2 at base.			
1.25					
2					
3					
4					
5					
6					

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST

SAMPLE NUMBER K 59N-01 141

K dup columns 2-11

0.25-1.25

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	0.25	SM		5Y 4/4	W	W	F	V	SR	H	0						G				R						C				
0.25	1.25	SM			W	W	F	V	SR	H			V	H	1	0	A														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)
0.25	1.25		COLOUR VARIES FROM 5Y 4/4 AT TOP OF UNIT TO 5Y 4/2 AT 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	
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	1,2etc=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		V=very stiff			C=colour banded				I=informal	
		K=very coarse	W=well rounded		H=hard			G=graded bedding					SHEET ____ OF ____