SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | +59 (± lat) | -02 (± long) | 124 (no.) 11

CRUISE NO. 82 | WH | 5 (year : ship : no 18)

DATE 06 | 16 (mnth : day 22)

TIME (local) 02 | 55 (hrs : mins 26)

WATER DEPTH 95 metres 30

POSITION FIXING METHOD A

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED ☐ A 1·60 41

GREEN ☑ A 43·70 48

PURPLE ☑ D 72·50 55

POSITION

LATITUDE +59 | 35·70 (± degs : mins (decimal) 63)

LONGITUDE -01 | 22·50 (± 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														

(12 … 22 … 32)

T.D. metres 01 (50 … 55)

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

H (1) dup cols 2-11

MODERATELY SORTED COARSE TO VERY (12 … 20 … 30 … 40)

COARSE SLIGHTLY GRAVELLY SHELLY 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

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. +59 | -Ø2 | 124

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

(9)S Moderately sorted, coarse to very coarse, slightly gravelly shell sand. Pale yellow 2.5Y 7/4 to light yellowish brown 2.5Y 6/4.

Sand fraction: 95% shell fragments, angular-rounded, whole shells, forams, echinoid spines. Terrigenous component consists qtz and lithics, sub-angular to subrounded, lithics show low sphericity, qtz med-high sphericity.

Gravel : angular shell fragments. 100% shell.

(M'pal)

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

Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log

(m)

1

2

3

4

5

6

shear strength ○ compressive strength △

SAMPLE STATION GEOLOGY

GEOLOGIST: MS

SAMPLE NUMBER: K +59 -02 124

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	GRAVEL % Shell Material	GRAVEL Max.Clast Size (mm)	GRAVEL Roundness Range	GRAVEL Sphericity	Basal Contact	Bedding	Jointing	H2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0.00	0.10	(G)S		2.5Y 7/4 - 2.5Y 6/4	M	S	CK	AR	L	95			100	49	A	L															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	0.10	1	SPHERICITY VARIES QUARTZ MEDIUM TO HIGH LITHICS LOW

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 ___	