SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | 59 (± lat) | -02 (± long) | 220 (no.) (11)

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

DATE (mnth : day 22): 06 | 21

TIME (local) (hrs : mins 26): 09 | 24

WATER DEPTH (metres 30): 108

POSITION FIXING METHOD: A

COMMENT (32):

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN: 6C

RED (41): A | 00.1

GREEN ✓ (48): 1 | 39.1

PURPLE ✓ (55): E | 70.5

POSITION

LATITUDE (± degs : mins (decimal) 63): +59 | 17.68

LONGITUDE (± degs : mins (decimal) 71): -01 | 24.90

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 (50 – 55): 00.34

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

H (1) dup cols 2-11

SLIGHTLY GRAVELLY SHELLY SAND OVE (12 – 20 – 30 – 40)

R CLEANER MORE QUARTZ-RICH 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 | 02 | 220

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

(9) S Shelly sand, moderately well sorted with some shell fragments into gravel grade. 35% shell material. Rest subangular to subrounded quartz grains with minor lithic fragments and heavy minerals. Foram common, also echinoid spines + bryozoa.

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

Core Photo: Yes/~~No~~

Depth (m)	Log	Description	Sub Samples	Geotechnical Log
		(9) S as above 2.5Y 6/4		
		0.28 colour change. 5Y 4/1		
		0.34 mTD S		
		Generally as above, but at base of core a change of colour to more grey core signifies a change to less shelly + more quartz rich material.		
1				
2				
3				
4				
5				
6				

shear strength ○ compressive strength △

SAMPLE STATION GEOLOGY

GEOLOGIST: ACS

SAMPLE NUMBER: K +59 -02 220

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	0.28	(G)S		2.5Y6/4	M		MK	SU	L	35			100	4	SU	L										C					C
0.28	0.34	S		5Y4.5/1	P		MC	SR	L	20																					

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	0.34	1	THE GRADATION BETWEEN THE COLOUR CHANGE IS DISTURBED BUT
0.00	0.34	2	REPRESENTS A CHANGE TO LESS SHELLY MORE QUARTZ-RICH SED.

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 P=poorly sorted M=moderately sorted W=well sorted X=very well sorted	N=no reaction W=weak M=moderate S=strong	S=silt V=very fine F=fine M=medium C=coarse K=very coarse	V=very angular A=angular S=subangular U=subrounded R=rounded W=well rounded	L=low H=high	V=very soft S=soft F=firm T=stiff Y=very stiff H=hard	N=non-plastic L=low plasticity I=intermediate H=highly plastic	G=gradational S=sharp E=erosive U=unconformity	F=flat lamination R=ripple lamination X=cross-bedded D=disturbed C=colour banded G=graded bedding	J=prominent joints D=prominent discontinuities F=fissuring	W=weak M=moderate S=strong A=induced by acid	R=rare C=common A=abundant	G=group F=formation M=member B=bed I=informal	C = additional comments below 1,2 etc = label if more than one comment.

SHEET 1 OF 1