SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | +59 (± lat) | -01 (± long) | 235 (no.) (11)

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

DATE 05 | 02 (mnth : day) 22

TIME (local) 01 | 25 (hrs : mins) 26

WATER DEPTH 118 (metres) 30

POSITION FIXING METHOD [A]

COMMENT [ ] 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED [ ] [ ] 41

GREEN [✓] B | 42.02 48

PURPLE [✓] F | 67.74 55

POSITION

LATITUDE +59 | 29.39 (± degs : mins (decimal)) 63

LONGITUDE -00 | 34.64 (± 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)

T.D. metres 0.32 (50 | 55)

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

H (1) dup cols 2-11

MEDIUM TO COARSE SAND ON MUDDY GRAVELLY SAND (12 | 20 | 30 | 40 | 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 | 235

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

S Medium to coarse, moderately sorted sand.
Quartz dominates with subordinate lithics, shell fragments and forams.
Carb. c. 10%. Strong reaction to HCl.
Olive 5Y 4/4

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

Depth (m) | Log | Description | Core Photo: Yes/~~No~~ | Sub Samples | Geotechnical Log

S a/a with several large whole shells, max. size 55m length. Broken shell fragment up to 70mm

At. c. 12cm

MgS Poorly sorted, fine to coarse, muddy gravelly shelly sand.
Shell frags. up to 5mm.
Max. lithic clast size c. 31mm. Pebbles inc. faceted types and are occasionally encrusted with worm tubes. Pebbles concentrated mainly between 13–18cm depth. Matrix supported.
Dk. grey brown 10YR 4/2.

Gradational contact.

1
2
3
4
5
6

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: MS

SAMPLE NUMBER: K +59 -01 .235

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
0:00	0:12	S		5Y 4/1	M	S	F	C		10							G								C	P			C	
0:12	0:32	MGS		10YR 4/2	P	S	F	C		10			50	31	SR											P				C	

ABUNDANCE SCALE

L dup columns 2-11

DEPTH INTERVAL (m) upper	lower	label	ADDITIONAL COMMENTS (FREE TEXT)
0:00	0:12	1	LARGE SHELLS AND SHELL FRAGMENTS OCCUR SPORADICALLY IN THI
~~0:00~~	~~0:12~~	2	S SAND FACIES
0:12	0:32	1	PEBBLES INCLUDE FACETED TYPES
0:12	0:32	2	SOME OF PEBBLES ARE ENCRUSTED WITH WORM TUBES

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 ____