SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | 59 (± lat) | +00 (± long) | 183 (no.) 11

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

DATE 05 | 24 (mnth : day) 22

TIME (local) 04 | 26 (hrs : mins) 26

WATER DEPTH 130 (metres) 30

POSITION FIXING METHOD L

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 0E | RED | GREEN D 38.97 48 | PURPLE F 78.69 55

POSITION

LATITUDE +59 | 53.78 (± degs : mins (decimal)) 63

LONGITUDE +00 | 32.71 (± 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 0058 (50) 55

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

H (1) dup cols 2-11

POORLY SORTED FINE TO VERY FINE S (12) 20 30 40

AND ON SHELLY MUDSH THEN SILTY SAND 50 60 70 80

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER: Head | Readings

HAND VANE: Head | 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 | 00 | 183

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

S Poorly sorted very fine to fine sand olive in colour. 2% lithic fragments. 4% shell fragments. Numerous forams, some echinoid spines some coarser + sub-rounded quartz grains but otherwise it is a sub angular to subrounded quartz sand. Some shell fragments of gravel grade also present in grab sample.

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
0		S as above. very thin.		
0.22	gS	Sand ~~above~~ as above becoming more gray and full of shell fragments of gravel grade - may be a little silty at base. No pebbles seen.		
	mS	Sharp but disturbed contact to grey brown clayey silty sand soft and sticky with a similar silty fine sand by base of core. Some interlamination of finer and coarser grained parts. No shells seen. Moderate HCl reaction - No smell.		
0.58m T.D.				
1				
2				
3				
4				
5				
6				

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: A SKINNER

SAMPLE NUMBER: K 59°00' 1°83' 11

K dup columns 2-11

DEPTH INTERVAL (m) upper	lower	SEDIMENT (Folk class) or main rock type	subordinate rock type	MUNSELL COLOUR	SAND Sorting	HCl Reaction	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.Ø	Ø.Ø2	S		5Y 4/3	P	M	V F	S U	H	4			1 Ø Ø				G										C				C
Ø.Ø2	Ø2.2	gS		5Y 4/2	P	M	V F	S U		6			1 Ø Ø	3 Ø			S										C		HAS H	I	C
Ø2.2	Ø58	mS		2.5Y 5/2	P	M	S F	S U		1	S	T																			C

L dup columns 2-11

DEPTH INTERVAL (m) upper	lower	label	ADDITIONAL COMMENTS (FREE TEXT)
Ø.Ø	Ø.Ø2		SOME GRAVEL GRADE SHELLS PRESENT
Ø.Ø2	Ø2.2		SHELL HASH, NO PEBBLES SEEN
Ø2.2	Ø58		SILTY TO SANDY AND MAY BE LAMINATED IN PART

ABUNDANCE SCALE

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	1,2 etc=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 ____