SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) 59 (±lat) +01 (±long) 128 (no.) 11

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

DATE 05 17 (mnth : day 22)

TIME (local) 01 51 (hrs : mins 26)

WATER DEPTH 128 metres 30

POSITION FIXING METHOD L

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 0E

RED 41

GREEN J 45.48 48

PURPLE J 57.37 55

POSITION

LATITUDE +59 00.55 (± degs : mins (decimal) 63)

LONGITUDE +01 18.24 (± 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 0091 (50 55)

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

H (1) dup cols 2-11

POORLY SORTED MUDDY SAND OLIVE IN (12 20 30 40)

COLOUR OVER GREY BROWN MUDDY 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 | +Ø1 | 128

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

ms Poorly sorted fine grained muddy sand olive in colour with 5% lithic fragments + 5% shell fragments. Foram common, mica flakes present. Subangular to subrounded quartz grains mainly.

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		ms as above with some bivalve fragments.		
0.35		Transgressional colour change.		
		ms Changes to more muddy grey brown fine sand still with 5% lithic fragments but only 3% shell fragments + no gravel grade fragments.		
0.91m TD		Quartz grains are subangular to subrounded.		
1				
2				
3				
4				
5				
6				

○ shear strength △ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: A. Skinner

SAMPLE NUMBER: K 59 +Ø1 128

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
Ø.Ø	Ø.35	mS		5Y4/3	P	M	SF	SU	L	5			1.ØØ									P				C					C
Ø.35	Ø.91	mS		5Y4/1	P	M	SF	SU	H	3																					

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)
Ø.Ø	Ø.35	1	ONE SEA URCHIN IN GRAB COLLECTED FOR RSM GRAVEL GRADE
		2	BIVALVE FRAGMENTS ALSO

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 ____