SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

F (1) SAMPLE NO. 59 (± lat) -01 (± long) 111 (no. 11)

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

DATE 06 21 (mnth : day 22)

TIME (local) 17 00 (hrs : mins 26)

WATER DEPTH 133 (metres 30)

POSITION FIXING METHOD [A]

COMMENT [ ] 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED [ ] A 00.25 (41)

GREEN [✓] C 38.05 (48)

PURPLE [✓] F 57.75 (55)

POSITION

LATITUDE +59 36.28 (± degs : mins (decimal) 63)

LONGITUDE -00 32.65 (± 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 00.29 (50 ... 55)

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

H (1) dup cols 2-11: OLIVE GREY FINE 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 | 111

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

S Moderately sorted fine grained quartzose sand with sub-angular to rounded quartz grains 10% shell fragments and 3% lithic fragments.

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 0.24 (G)mS 0.29 TD	S as above. (g)mS grey poorly sorted muddy fine sand with large bivalves & bivalve fragments at the ~~top~~ of the unit. Mainly subangular to rounded quartz grains with minor lithic fragments and rose quartz grains.		
1				
2				
3				
4				
5				
6				

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST ACS

SAMPLE NUMBER K 59-01 111

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
ϕ:00	ϕ:24	S		5Y 4/2	M		FM	SR	H	1ϕ																P				C
ϕ:24	ϕ:29	(G)MS		5Y 4/1	P	M	SF	SR	H	5			1ϕϕ	14ϕ	S	L															C

ABUNDANCE SCALE

L dup columns 2-11

DEPTH INTERVAL (m) upper	lower	label	ADDITIONAL COMMENTS (FREE TEXT)
ϕ:00	ϕ:24	1	MODERATELY SORTED FINE GRAINED QUARTZ SAND WITH SOME SHELL
		2	MATERIAL
ϕ:24	ϕ:29	1	SHELLY TOP BAND MORE MUDDY TO BASE

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 1 OF 1