SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES – MARINE GEOLOGY UNIT

SAMPLE NO. 27

F | +6.1 | -04 | 27
± lat | ± long | no.

CRUISE NO.
8 6 | KS | 0 3
year : ship : no   18

DATE
1 1 | 2 7
mnth : day 22

TIME (local)
0 5 5 0
hrs : mins 26

WATER DEPTH
1 4 6 . 8
metres   30

POSITION FIXING METHOD L

COMMENT [ ]
32

NAVIGATIONAL READINGS
(tick lanes with best intersection)

CHAIN: 6c

RED [ ]   E | 0 · 9 4   41

GREEN [ ]   C | 3 3 · 1 5   48

PURPLE [ ]   A | 6 6 · 8 9   55

POSITION

LATITUDE
+ 6 1 | 3 8 · 8 1
± degs : mins (decimal) 63

LONGITUDE
- 0 3 | 1 6 · 7 4
± 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 | dup cols 2–11   1

GS | VE | CS | CR | DM | DR | BH | SD | RD | SU | PS | DI | BS | OC | OG
12 ... 22 ... 32

(mark: 1 at CS)

T.D. metres
2 · 1 8
50 ... 55

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

H | dup cols 2–11
OLIVE GREY VERY SOFT CLAY
12 ... 20 ... 30 ... 40

50 ... 60 ... 70 ... 80

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER Head	Readings				HAND VANE Head	Readings
					L	4·0 3·5
					L	3·8
					L	7·8
					L	2·3
					L	4·2
					L	2·0 2·7
					L	4·6 4·7
					L	3·1 2·6
					L	4·9 3·4

AVERAGED DATA

	DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)
I dup cols 2–11	0·3 5	·	7·5
	0·6 4	·	7·6
	0·6 9	·	1 5·6
	0·9 7	·	4·6
	1·0 3	·	8·4
	1·3 3	·	4·7
I dup cols 2–11	1·6 3	·	9·3
	1·7 8	·	5·7
	2·1 0	·	8·2
	·	·	·
	·	·	·
	·	·	·

SAMPLE DESCRIPTION SHEET

BRITISH GEOLOGICAL SURVEY — MARINE GEOLOGY UNIT

SAMPLE NO. +61 | -Φ4 | 27

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

No SHIPEK ATTEMPTED.

CORE SAMPLE	Equipment Used: e5	Stored in: 3 Cut Cores,	Uncut Cores,	Jars,	Bags.

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

Description:

Clay. Olive grey (5Y5/2). Very soft and plastic.

Top 12cms light brownish grey to greyish brown (10YR 6/2 - 5/2), slightly sandy at top. Oxidation?

Subtle colour banding throughout core in shades of green and grey. Distinctive bands, lenses and clasts of greenish grey (5G5/1) clay throughout core.

Sandy streaks and very thin sandy lenses are common in top metre.

Clasts are rare and generally of granule size.

TD 2.18

Geotechnical Log: ○ shear strength △ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: JWJ

SAMPLE NUMBER: [K] t6u-6u .27

Form K (dup columns 2-11)

DEPTH INTERVAL (m) upper	lower	SEDIMENT 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	H2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0.0	2.18	M		5Y 5/2							V	H						C													

Columns: 12 ... 21 ... 30 ... 40 ... 48 ... 52 ... 61 ... ABUNDANCE SCALE ... 80

Form L (dup columns 2-11)

DEPTH INTERVAL (m) upper	lower	Label	ADDITIONAL COMMENTS (FREE TEXT)

Columns: 12 ... 21 ... 30 ... 40 ... 50 ... 60 ... 70 ... 80

Legend

SORTING OF TOTAL SAMPLE	HCl REACTION	SAND GRAIN SIZE	ROUNDNESS	SPHERICITY	MUD HARDNESS	MUD PLASTICITY	BASAL CONTACT	BEDDING	JOINTING	H2S 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		Y=very stiff			C=colour banded				I=informal	
		K=very coarse	W=well rounded		H=hard			G=graded bedding					SHEET ____ OF ____