SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

F (1) SAMPLE NO. 61 -01 87 (± lat ± long no. 11)

CRUISE NO. 86 KS 03 (year : ship : no 18)

DATE 11 21 (mnth : day 22)

TIME (local) 17 33 (hrs : mins 26)

WATER DEPTH 234 (metres 430)

POSITION FIXING METHOD L

COMMENT (32)

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN OE

RED B 0.48 (41)

GREEN C 31.09 (48)

PURPLE C 50.15 (55)

POSITION

LATITUDE +61 46.85 (± degs : mins (decimal) 63)

LONGITUDE -00 15.52 (± 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 0.80 (50 55)

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

H (1) dup cols 2-11

OLIVE GREY MUDDY FINE TO MEDIUM S (12 20 30 40)

AND ON DARK OLIVE GREY FIRM MUD (50 60 70 80)

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER Head	Readings					HAND VANE Head	Readings			
						X10	2-8	2-5	2-6	

AVERAGED DATA

	DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)
I (1) dup cols 2-11	0.65 (14)	(18)	26.3 (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

BRITISH GEOLOGICAL SURVEY — MARINE GEOLOGY UNIT

SAMPLE NO. 61 -01 87

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

V. Small sample
Moderately sorted fine-medium sand
Abundant forams. Grains subangular to well rounded.

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

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

0.0 – 0.12m. Olive gray (5Y 4/2) muddy fine to medium sand. Abundant forams and echinoid spines.

0.80m T.D.

on (0.12–0.80m)
Dark olive grey (5Y 3/2) Firm mud.

Shell fragments to 25mm at 0.72m

1 2 3 4 5 6

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST PB

SAMPLE NUMBER K 61-011 87

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	MS		5Y 4/2	M					10														P	A					
0.12	0.80	M		5Y 3/2							F	H																			
12	21	30		40			48				52		61				ABUNDANCE SCALE												80		

L dup columns 2-11

DEPTH INTERVAL (m) upper	lower	label	ADDITIONAL COMMENTS (FREE TEXT)
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	
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	1,2 etc = label if more than one comment.
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 ____