SAMPLE STATION DATA

BRITISH GEOLOGICAL SURVEY — MARINE OPERATIONS

SAMPLE NO. F +61 -04 109 (± lat ± long no.)

CRUISE NO. (year : ship : no)	DATE (mnth : day)	TIME (local) (hrs : mins)	WATER DEPTH (metres)	POSITION FIXING METHOD	COMMENT
00 CD 123 C3	08 12	05 10	1138		

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN | RED | GREEN | PURPLE

POSITION

LATITUDE: +61 22.95 (± degs : mins (decimal))

LONGITUDE: -03 39.99 (± degs : mins (decimal))

ADDITIONAL INFORMATION: QUAD 213 BLOCK 17.

Preliminary St No FSC6 DTI 55314#2

EQUIPMENT TYPE: 1 = sample recovered; 2 = no sample (geological reasons); 3 = no sample (equipment failure); 4 = no sample (undifferentiated)

G dup cols 2–11 — GS VE CS CR DM DR BH SD RD SU PS DI BS OC OG — MEGACORER

T.D. metres: .34

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

H dup cols 2–11: GREY BROWN MUDDY SAND ON GREY BROWN MUD ON DARK GREY MUD

GEOTECHNICAL DATA:

RAW DATA

PENETROMETER (Head, Readings) | HAND VANE (Head, Readings)

AVERAGED DATA

DEPTH | PENETROMETER (KPa) | HAND VANE (KPa)

I dup cols 2–11

I dup cols 2–11

SAMPLE DESCRIPTION SHEET

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

CORE SAMPLE	Equipment Used: ~~MC~~ OC	Stored in: 1 Cut Cores, Uncut Cores, Jars, Bags.

Core Photo: Yes/~~No~~

Depth (m)	Log	Description	Sub Samples	Geotechnical Log
		0.0-0.03 Muddy sand dark greyish brown 2.5Y4/2. Clastics are fine * medium grading ~~to~~ coarse, sub-round clear quartz with 30% grains red-brown coloured. 1-2% lithic grains of red-brown + grey trace volc glass poorly sorted - 1-20% forams. Overall - poorly sorted Folk MS sharp break to		
		0.03-0.25 Slightly sandy clay/mud ~~dark~~ ~~dark greyish~~ olive brown 2.5Y 4/~~2~~4. firm to soft - crumbly/plastic very calcareous - forams sand grade sized dropstones. sharp break to		
		0.25-0.34 Clay - 5Y4/1 dark grey - soft - crumbly very calcareous rare forams		

Depth scale: 1, 2, 3, 4, 5, 6

○ shear strength △ compressive strength

109

SAMPLE STATION GEOLOGY

GEOLOGIST DRJ

SAMPLE NUMBER K +61 -04 109

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
.00	.03	MS		2.5Y4/2	P		FC	V	L	2							S									C					
.03	.25	M		2.5Y4/4	P	S					F	I					U									R					C
.25	.34	M		5Y4/1	P	S					F	I																			C

ABUNDANCE SCALE

L dup columns 2-11

Depth interval (m) upper	Depth interval (m) lower	label	Additional comments (free text)
.03	~~0.25,.34~~		DROPSTONES
0.25	0.34		DROPSTONES

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	1,2etc = 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 ______