SAMPLE STATION DATA

BRITISH GEOLOGICAL SURVEY — MARINE OPERATIONS

F 1 SAMPLE NO. 24 — +62 +00 24 (± lat ± long no. 11)

CRUISE NO. 80 CD 123 C4 (year : ship : no 18)

DATE 08 17 (mnth : day 22)

TIME (local) 08 53 (hrs : mins 26)

WATER DEPTH 640 metres 30

POSITION FIXING METHOD

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN

RED

GREEN

PURPLE 55

POSITION

LATITUDE +62 12.54 (± degs : mins (decimal) 63)

LONGITUDE +00 ~~22.98~~ 23.00 (± degs : mins (decimal) 71)

ADDITIONAL INFORMATION :

QUAD 219 BLOCK 22.

105# 55332#2 NR1

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

OC

G 1 dup cols 2-11

GS | VE | CS | CR | DM | DR | BH | SD | RD | SU | PS | DI | BS | DC | OG (12 … 22 … 32)

T.D. metres 0.40 (50 … 55)

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

H 1 dup cols 2-11

BANDS OF MUDDY SAND AND SANDY MUD (12 … 20 … 30 … 40)

S, BIOTURBATED – COLLECTION OF GRAVEL (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. 62 050 24

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

OC

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

Core Photo: (Yes) No

Depth (m)	Log	Description	Sub Samples	Geotechnical Log
0		0.00-0.08 muddy SAND fine-very fine		
	0.4m	some coarse grains common forams strong reaction with HCl some pebbles		
1		10YR4/3 well rounded, high sphericity well sorted		
		0.08-0.14 muddy SAND		
2		5Y 4/3 OLIVE ? REWORKED base of upper unit & lower? mod. sorting shell frags & clasts (small) common forams (less than above) strong reaction with HCl well rounded, high sphericity		
3		0.14-0.21 sandy MUD soft		
		rare forams sand is fine-very fine well rounded some granular size grains		
4		2.5Y 4/2 dark grayish brown weak reaction with HCl		
		0.21-0.26 muddy SAND med.um-v.fine		
5		common forams & occ. echinoid spines weak reaction with HCl 5Y4/3 olive		
		0.26-0.4 sandy MUD bioturbated soft sandier than unit (3) above. few clasts. upto 85mm		
6		BAG OF GRAVEL COLLECTED FROM SAME MEGACORE SPREAD BUT NOT SEEN IN THIS CORE		

○ shear strength △ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: GJT

SAMPLE NUMBER: K 7621.00/24

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	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	H_2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils Whole Shells	Fauna/Fossils Forams	Fauna/Fossils Plant Remains	Chronostrat	Lithostrat	Unit	Comments
Φ:00	Φ:08	MS		10YR4/3	MS		FV																		C					
Φ:08	Φ:14	MS		5YA1/3	MS		FV							20											C					
Φ:14	Φ:21	SM		2.5YA1/2	W	W					S														R					
Φ:21	Φ:26	MS		5YA1/3	P	W	MV							85	U										C					
Φ:26	Φ:40	SM		2.5YA1/2	W	W					S																			

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	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		~~V~~=very stiff			C=colour banded				I=informal	
		K=very coarse	W=well rounded		H=hard			G=graded bedding					

SHEET ____ OF ____