

BRITISH GEOLOGICAL SURVEY — MARINE OPERATIONS

F	+6.1	-0.4	9.6
1	± lat	± long	no.

a, b	c, d	e, f
year	: ship	: no

DATE 07 31
mnth : day 22

TIME (local)

0	3
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hrs : mins²⁶

WATER DEPTH

1 3 6 6

metres 30

☐ COMMENT ☒

PURPLE

LONGITUDE

+ 6.1	2.4. 1.9 7
± degs : mins (decimal) 63	

LONGITUDE

-03	17.30
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± degs : mins (decimal) 71

RECOVERY 30 min.
CORE TEMP 0°

G
1

GS VE CS CR DM DR BH SD RD SU PS DI BS ~~OG~~ OG

12 22 3

Box CORE

H dup
cols
2-11

MODERATELY SORTED, REBBLY, MUDDY, LA

ND, ON, SOFT TO VERY SOFT MUDS

PENETROMETER

[illegible]

DEPTH

PENFT

HAND VANE

I dup
cols
2-11
1
(43)

6:17


21:7

19 2 4 : 2 20

I dup
cols
2-11

6
1

9

73  77

SAMPLE DESCRIPTION SHEET

BRITISH GEOLOGICAL SURVEY — MARINE OPERATIONS

SAMPLE NO.

61 -04 96

SURFACE SAMPLE

Equipment Used:

Seabed Photo: Yes/No

Stored in: Jars, Bags.

BC

CORE SAMPLE

Equipment Used: Box CORE.

Stored in: 1 Cut Cores, Uncut Cores, Jars, Bags.

Depth (m)	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
0.1		<p>Coarse Moderately sorted, mainly medium to fine, slightly pebbly muddy sand. Forams fine to medium size common. Carbonate content ~ 3%. Orange stained 'pellets' of quartz grains. Light olive brown 2.57 5/4.</p> <p>Fines downwards into soft to firm, yellowish brown 10YR 5/4 slightly sandy mud with dropstones.</p> <p>The structure of the material is crumbly yet when compressed becomes smooth and lustrous.</p>		6. CHART 1 A 5.1	
0.2		<p>LIMIT OF OXIDATION</p> <p>0.22 V. soft, olive grey 5Y 4/2 mud.</p>		0.17 MOISTURE CONTENT 43	
3		<p>as above. The box core contained ~ 35-40 cm of material. The push core penetrated all of this yet only the very top of the olive grey mud was recovered in the core. What happened was that the top 22 cm. of core plugged in the tube. Why. This happened at the last site also.</p>			
4					
5					
6					

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST

CG.

SAMPLE NUMBER

K

161-04-96

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT (Folk class) or subordinate rock type		MUNSELL COLOUR	Sorting HCl Reaction	SAND			MUD		GRAVEL			ABUNDANCE SCALE																	
upper	lower					Grain Size Range	Roundness Range	Sphericity	% Shell Material	Hardness	Plasticity	% Shell Material	Max. Clash Size (mm)	Roundness Range	Sphericity	Basal Contact	Bedding	Jointing	H ₂ S Odour	Heavy Minerals	Mica	Glaucanite	Faunal/Fossils	Whole Shells	Fossils	Plant Remains	Chronostrat	Lithostrat	Unit	Comments	
12	21	6.1	1.5	2.5	5.1	4.1	M	N	5	5	5	4	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
21	30	6.2	1.5	2.5	5.1	4.1	M	N	5	5	5	4	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
30	40	6.2	1.5	2.5	5.1	4.1	M	N	5	5	5	4	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
40	48	6.2	1.5	2.5	5.1	4.1	M	N	5	5	5	4	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
48	52	6.2	1.5	2.5	5.1	4.1	M	N	5	5	5	4	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
52	61	6.2	1.5	2.5	5.1	4.1	M	N	5	5	5	4	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

L dup columns 2-11

DEPTH INTERVAL (m)		ADDITIONAL COMMENTS (FREE TEXT)
upper	lower	
12	21	
21	30	
30	40	
40	50	
50	60	
60	70	
70	80	

SORTING OF TOTAL SAMPLE	HCl REACTION	SAND GRAIN SIZE	ROUNDNESS	SPHERICITY	MUD HARDNESS	MUD PLASTICITY	BASAL CONTACT	BEDDING	Jointing	H ₂ S ODOUR	ABUNDANCE SCALE	LITHOSTRAT UNIT	COMMENTS
V=very poorly sorted P=poorly sorted M=moderately sorted W=well sorted X=very well sorted	N=no reaction W=weak M=moderate S=strong	S=silt V=very fine F=fine M=medium C=coarse K=very coarse	V=very angular A=angular S=subangular U=subrounded R=rounded W=well rounded	L=low H=high	V=very soft S=soft F=firm T=stiff Y=very stiff H=hard	N=non-plastic L=low plasticity I=intermediate H=highly plastic	G=gradational S=sharp E=erosive U=unconformity	F=flat lamination R=ripple lamination X=cross-bedded D=disturbed C=colour banded G=graded bedding	J=prominent joints D=prominent discontinuities F=fissuring	W=weak M=moderate S=strong A=induced by acid	R=rare C=common A=abundant	G=group F=formation M=member B=bed I=informal	C=additional comments below 1,2 etc = label if more than one comment. SHEET L OF 5