

SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

F +60 -06 .71
1 ± lat ± long no. 11

CRUISE NO.

00 CD 123
year : ship : no 18

DATE

08 02
mnth : day 22

TIME (local)

06 52
hrs : mins 26

WATER DEPTH

11 34
metres 30

POSITION
FIXING METHOD

COMMENT
32

NAVIGATIONAL READINGS
(tick lanes with best intersection)

CHAIN

RED

GREEN

PURPLE

LATITUDE

+60 11 .14
± degs : mins (decimal) 63

LONGITUDE

-05 43 .74
± degs : mins (decimal) 71

POSITION

ADDITIONAL INFORMATION :

Preliminary Site R2

QUAD 176 Block 22.

DT 155269 #5

EQUIPMENT TYPE:

1 = sample recovered 3 = no sample (equipment failure)
 2 = no sample (geological reasons) 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
12 22 32

T.D. metres

2 54
50 55

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

H
1

dup cols 2-11

GR EX B RO WN M UD D Y S AN D O N GR E Y BR O
12 20 30 40

UN M UD O N D A R K GR E Y C A L C A R E O U S C L A Y
50 60 70 80

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER

Head	Readings				Head	Readings		
6.7	1.5	1.5	1.5		2	3.5	5	
6.7	1.0	1.0	1.0		2	4.5	4.5	5
6.7	1.5	1.5	1.5		2	4.5	6	

HAND VANE

AVERAGED DATA

DEPTH PENETROMETER (KPa) HAND VANE (KPa)

I dup cols 2-11 1	14	50	18	110	22	<input type="checkbox"/>
	25	13	29	67	33	<input type="checkbox"/>
1.8	36	N/A	40	<input type="checkbox"/>	44	<input type="checkbox"/>
	47	<input type="checkbox"/>	51	<input type="checkbox"/>	55	<input type="checkbox"/>
	58	<input type="checkbox"/>	62	<input type="checkbox"/>	66	<input type="checkbox"/>
	69	<input type="checkbox"/>	73	<input type="checkbox"/>	77	<input type="checkbox"/>
I dup cols 2-11 1	14	<input type="checkbox"/>	18	<input type="checkbox"/>	22	<input type="checkbox"/>
	25	<input type="checkbox"/>	29	<input type="checkbox"/>	33	<input type="checkbox"/>
	36	<input type="checkbox"/>	40	<input type="checkbox"/>	44	<input type="checkbox"/>
	47	<input type="checkbox"/>	51	<input type="checkbox"/>	55	<input type="checkbox"/>
	58	<input type="checkbox"/>	62	<input type="checkbox"/>	66	<input type="checkbox"/>
	69	<input type="checkbox"/>	73	<input type="checkbox"/>	77	<input type="checkbox"/>
	69	<input type="checkbox"/>	73	<input type="checkbox"/>	77	<input type="checkbox"/>

SAMPLE DESCRIPTION SHEET

BRITISH GEOLOGICAL SURVEY — MARINE OPERATIONS

SAMPLE NO.

+60 -06 71

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

5 Geodum Samples - 2.39-2.44 }
 2.44-2.49 } Base
 2.49-2.54 }
 Note about lists:
 1.39-1.54 +
 2.39-2.54
 1.44-1.49 }
 1.49-1.54 } Top

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

Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
(m)					
0.0		0.0-0.04 Muddy sand - dark olive greenish brown 2.57 4/2 nlt - clastics are mainly waxy ore - fine - coarse grained sub-round to round with 2-5% red brown lites + grey lites - moderate - poor sorting - 2% forams overall poor sorting. Fdk = MS			
1		Grales to 0.04-0.14			
2		Slightly sandy, mid - dark greyish brown 2.57 4/2 nlt - plastic very clear. Probably Fdk = Mid - rare forams oxidised surface			
3		Sharp break to			
4		0.14-2.54 Silty clay dark grey 57 4/1 nlt, plastic very clear. Slightly sandy with rare forams			
5		Particulate and colour banded. Black? carbon blebs			
6					

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST
DCA

SAMPLE NUMBER

K 460-06-71

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT (Folk class) or subordinate rock type		MUNSELL COLOUR	Sorting & Reaction	SAND	MUD	GRAVEL	ABUNDANCE SCALE														
upper	lower					Grain Size Range	Hardness	% Shell Material	Basal Contact	Bedding	Jointing	H ₂ S Odour	Heavy Minerals	Mica	Glauconite	Fossil/Fossils	Whole Shells	Fossils	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0.0	0.4	MS		2.5Y4/2	PS	F C O R L	2																
0.4	1.4	M		2.5Y4/2	PS		S H																
1.4	2.54	M		5Y4/1	S		S H																

L dup columns 2-11

DEPTH INTERVAL (m)	ADDITIONAL COMMENTS (FREE TEXT)
upper	
1.4	2.54
	BIOTURBATED AND COLOUR BANDED WITH BLACK ? CARBON.

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 ____ OF ____