

SAMPLE STATION DATA

BRITISH GEOLOGICAL SURVEY — MARINE GEOLOGY UNIT

SAMPLE NO.

F **+59-02-33.1**
1 ± lat ± long no. 11

CRUISE NO.

85BM 09
year : ship : no 18

DATE

10 04
mnth : day 22

TIME (local)

10 20
hrs : mins 26

WATER DEPTH

3.60
metres 30

POSITION FIXING METHOD

L COMMENT
32

NAVIGATIONAL READINGS
(tick lanes with best intersection)

CHAIN

6C

RED

A 6.70

GREEN

C 41.34

PURPLE

D 53.46

LATITUDE

+59 50.44
± degs : mins (decimal) 63

LONGITUDE

-01 24.91
± degs : mins (decimal) 71

POSITION

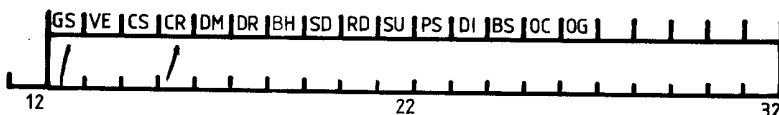
ADDITIONAL INFORMATION :

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



T.D. metres

0.10
50 55

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

H
1 dup cols 2-11

WHITE SHELL GRAVEL ON BEDROCK OF GRANITE

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER

PENETROMETER				HAND VANE			
Head	Readings			Head	Readings		

AVERAGED DATA

DEPTH

PENETROMETER (KPa)

HAND VANE (KPa)

I dup cols 2-11 1	14	18	22
	25	29	33
	36	40	44
	47	51	55
	58	62	66
	69	73	77
I dup cols 2-11 1	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.

+59-02 331

SURFACE SAMPLE Equipment Used: GS Seabed Photo: Yes/No Stored in: 1 Jar Bags.

White loyr s/s fine gravel & v.c. sand of shell material.
Mineral grains < 1%.

CORE SAMPLE Equipment Used: CR Stored in: Cut Cores, Uncut Cores, 1 Jar Bags.

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

(m)		<p style="font-size: 1.1em;">Shell sand / gravel as GS</p> <p style="font-size: 1.1em;">plus broken chunks of <u>bedrock</u>?</p> <p style="font-size: 1.1em;">Medium-grained melanocratic <u>granite</u> with red-brown feldspar.</p> <hr/> <p style="font-size: 1.1em;">*Note/ sides of one chunk are smooth, rounded, possibly a pebble/cobble - So a chance it could be a large clast in a conglomerate?</p> <hr/> <p style="font-size: 1.1em;">Two drops, for granite prob. bedrock.</p> <p style="text-align: right; font-size: 1.1em;"><i>[Signature]</i></p>			
1					
2					
3					
4					
5					
6					

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST *PC*

SAMPLE NUMBER

K 459-02 331

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT (Folk class) or main rock type	subordinate rock type	MUNSELL COLOUR	Soiling HCl Reaction	SAND				MUD		GRAVEL			ABUNDANCE SCALE							Chronostrat	Lithostrat	Unit	Comments													
upper	lower					Grain Size Range	Roundness Range	Sphericity	% Shell Material	Hard-Plast-ness	Plasticity	% Shell Material	Max. Class Size (mm)	Roundness Range	Sphericity	Basal Contact	Bedding	Jointing	H ₂ S Odour	Heavy Minerals	Mica					Glaucanite	Fossil/Fossils	Wedge Shells	Forams	Plant Remains								
12	21	FS		10YR 8/2		CK	NU	L	DP			DP	7																									

L dup columns 2-11

DEPTH INTERVAL (m)		Label	ADDITIONAL COMMENTS (FREE TEXT)
upper	lower		
12	21		INCLUDES BROKEN PIECES OF GRANITE = ? BEDROCK

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 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 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 /