SAMPLE STATION DATA

BRITISH GEOLOGICAL SURVEY — MARINE GEOLOGY UNIT

SAMPLE NO. F +59 −02 331 (1 ± lat ± long no. 11)

CRUISE NO. 85BM09 (year : ship : no 18)

DATE 1004 (mnth : day 22)

TIME (local) 1020 (hrs : mins 26)

WATER DEPTH ?69 (metres 30)

POSITION FIXING METHOD 4

COMMENT (32)

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED A 6.70 (41)

GREEN C 41.34 (48)

PURPLE D 53.46 (55)

POSITION

LATITUDE +59 50.44 (± degs : mins (decimal) 63)

LONGITUDE −01 24.91 (± degs : mins (decimal) 71)

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

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

1 1 (12 22 32)

T.D. metres 010 (50 55)

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

H dup cols 2–11

WHITE SHELL GRAVEL ON BEDROCK OF

?GRANITE

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER

Head	Readings					HAND VANE Head	Readings			

AVERAGED DATA

	DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)
I dup cols 2–11	14	18	22
	25	29	33
	36	40	44
	47	51	55
	58	62	66
	69	73	77
I 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. 59 -02 331

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

White 10YR 8/2 fine gravel & v.c. sand of shell material.
Mineral grains < 1%.

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

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

Shell sand/gravel as GS
plus broken chunks of bedrock?
Medium-grained melanocratic granite with red-brown feldspars.

*Note sides of one chunk are smooth, rounded, possibly a pebble/cobble - so a chance it could be a large clast in a conglomerate?

Two drops, so granite prob. bedrock.

1 2 3 4 5 6

shear strength ○ compressive strength △

SAMPLE STATION GEOLOGY

GEOLOGIST

SAMPLE NUMBER K 59-02 33.1

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	Roundness Range	Sphericity	% Shell Material	MUD Hardness	Plasticity	GRAVEL % Shell Material	Max. Clast Size (mm)	Roundness Range	Sphericity	Basal Contact	Bedding	Jointing	H_2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0.00	0.10	GS		10YR 8/2			CK	AN	L	100			100	7													APA				

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)
0.00	0.10		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_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	
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	1,2 etc=label if more than one comment
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 1 OF 1	