+59/-02/128.

SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

F (1) SAMPLE NO. +59 (± lat) -02 (± long) 128 (no.) 11

CRUISE NO. 82 WH 5 (year : ship : no 18)

DATE 06 16 (mnth : day 22)

TIME (local) 06 24 (hrs : mins 26)

WATER DEPTH 111 metres 30

POSITION FIXING METHOD A

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED A 6·98 41

GREEN ☑ B 46·06 48

PURPLE ☑ C 78·14 55

POSITION

LATITUDE +59 48·15 (± degs : mins (decimal) 63)

LONGITUDE -01 32·90 (± 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 0·32 (50 55)

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

H (1) dup cols 2-11

POORLY SORTED GRAVELLY SHELLY SAN (12 20 30 40)

D OVER WEATHERED RED P-T SANDSTONE? (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. [redacted] -02 128

+59

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

GS Poorly sorted, medium-v.coarse, gravelly, shelly sand.
Light yellowish brown 2.5Y6/4.
Sand fraction: 98% shell frags subang-rounded. Forams common, spicules-echinoid spines? Terrigeneous component dominated by quartz, sub-well rounded, low-medium sphericity.
Gravel fraction: 98% shell fragments, inc. whole shells upto 45mm max dim.
Rare lithic pebbles. subang.-subrd. low sphericity.

(Muddy fraction settled in water - cloudy)

(M'pal. taken).

CORE SAMPLE | Equipment Used: CS | Stored in: Cut Cores, Uncut Cores, 2 Jars, Bags.
Core Photo: Yes/No

Depth (m)	Log	Description	Sub Samples	Geotechnical Log
		GS / SST — weathered insitu cobble? } Separate jars.		
1		GS Poorly sorted, medium-v.coarse, gravelly shelly sand. Very pale brown 10YR7/4 — Pale Yellow 2.5Y 7/4. Sand fraction: 95% shell frags. subangular-rounded. Forams common. Terrigeneous component mostly quartz, well rounded, med-high sphericity. Rare lithics subangular, low sphericity. Gravel fraction: 90% shell frags. Rock frags, angular to subangular, low sphericity, dominantly med-crse red sst.		
2				
3		SST Medium-coarse, moderate-well sorted quartz sandstone. Base was worm encrusted hence probably a cobble (although it may be in situ / near source). DK. red brown 2.5YR 3/4. Quartz grains faceted and pitted. Angular to well rounded, medium to high sphericity. Permo-Triassic, (weathered near source cobble?)		
4				
5				
6				

○ shear strength Δ compressive strength

+59/-02/128

SAMPLE STATION GEOLOGY

GEOLOGIST: MS

SAMPLE NUMBER: K | ~~+59~~ -02 | 128

K dup columns 2–11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) 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	H2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0.00	0.05	GS		2.5Y6/4	P	S	MK	SW	L	98			98	45	SU	L	X							A		C					
0.05	0.25	GS		2.5Y7/4	P	S	MK	SW		95			90	50	AS	L	X							A		C					C
[illegible]5	[illegible]	[illegible]		~~10YR7/4~~																											C
0.25	0.32	SST		2.5YR3/4		S	MC	AW		C																					

ABUNDANCE SCALE

L dup columns 2–11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	label	ADDITIONAL COMMENTS (FREE TEXT)
0.05	0.25	1	VARIABLE SPHERICITY QUARTZ HIGH LITHICS LOW
0.25	0.32	2	QUARTZ GRAINS ANGULAR TO WELL-ROUNDED MEDIUM TO HIGH SPHER
0.25	0.32	2	ICITY FACETED AND PITTED
0.25	0.32	3	IN SITU/NEAR SOURCE WEATHERED COBBLE OF RED SST PERMO-TR
0.25	0.32	4	IASSIC SST?

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 ______