SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES – MARINE GEOLOGY UNIT

SAMPLE NO. F (1) 59 (± lat) −02 (± long) 143 (no.) (11)

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

DATE 06 17 (mnth : day 22)

TIME (local) 15 43 (hrs : mins 26)

WATER DEPTH 106 (metres 30)

POSITION FIXING METHOD A

COMMENT (32)

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED ☐ A 7·70 (41)

GREEN ☑ A 34·80 (48)

PURPLE ☑ C 65·00 (55)

POSITION

LATITUDE +59 43·65 (± degs : mins (decimal) 63)

LONGITUDE −01 50·90 (± 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														

(12 … 22 … 32)

T.D. metres 015 (50 … 55)

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

H (1) dup cols 2–11

GRAVELLY SHELLY SAND OVERLYING RE (12 … 20 … 30 … 40)

D. BROWN SANDSTONE (50 … 60 … 70 … 80)

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER Head	PENETROMETER Readings					HAND VANE Head	HAND VANE Readings			

AVERAGED DATA

I (1) dup cols 2–11

DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)
14	18	22
25	29	33
36	40	44
47	51	55
58	62	66
69	73	77

I (1) dup cols 2–11

DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)
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~~ 143

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

GS Shelly gravelly sand in which gravel grade is all shell debris with minor granules of lithic fragment. Sand fraction is poorly sorted with 35% shell debris – remainder subangular & subrounded quartz grains with minor lithic fragments. Heavy minerals. Forams, bryozoan fragments + echinoderm spines common.

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

Core Photo: ~~Yes~~/No

Depth (m)	Log	Description	Sub Samples	Geotechnical Log
0		GS Red SST. 0.15 ~~m~~ TD as about. 0.10 – 0.15 Moderately well sorted medium & fine grained red brown sandstone with a vigorous HCl reaction. Patchy mottled and with minor lithic fragments. Suggestion of minor calcite veining. Possibly Permo Trias.		
1				
2				
3				
4				
5				
6				

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST ACS

SAMPLE NUMBER K 59/02.143

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	H_2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0.00	0.10	GS		2.5Y6/4	P		M,K	SUL		35			10.0	25	S	L					P					C					C
0.10	0.15	SDST		5YR5/4	MS		M,	SR																							

ABUNDANCE SCALE

L dup columns 2-11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	label	ADDITIONAL COMMENTS (FREE TEXT)
0.00	0.10	1	SOME LIVE BIVALVES AND PECTEN SHELLS COMMON
0.10	0.15	2	RED BROWN SANDSTONE LOOKS SLIGHTLY MODIFIED

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	1,2etc=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 1 OF 1	