SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

F (1) SAMPLE NO. +59 (± lat) -02 (± long) 170 (no.) (11)

CRUISE NO.	DATE	TIME (local)	WATER DEPTH	POSITION FIXING METHOD	COMMENT
82 WH 5 (year : ship : no) (18)	06 19 (mnth : day) (22)	03 55 (hrs : mins) (26)	98 (metres) (30)	A	(32)

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN	RED ☐	GREEN ☑	PURPLE ☑
6C	A 4.2 (41)	J 42.6 (48)	C 75.6 (55)

POSITION

LATITUDE	LONGITUDE
+59 37.27 (± degs : mins (decimal)) (63)	-01 46.60 (± 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 0.10 (50) (55)

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

H (1) dup cols 2-11

PALE YELLOW SHELL SAND AND SHELL (12) (20) (30) (40)

GRAVEL (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)

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SAMPLE DESCRIPTION SHEET

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SAMPLE NO. +59 | -Ø2 | 17Ø

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

(9)S. Shell sand with gravel & cobble shell fragments. Colour. 2.5Y 7/4.
Gravel fraction. Shelly material, mixed. Max size 15 to 20 mm.
Sand fraction:- clean, poorly sorted, shell fragments, bryozoa etc. Rare forams.
98% carbonate. Lithics 2% - less.
Grain size fraction very coarse, but tending towards carbonate v. coarse size.

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

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

GS. Shell sand with gravel grade shell frags. Sample slightly coarser than GS, but very similar. Max shell size 30 mm. Occ pebbles upto 10 — across.

1
2
3
4
5
6

○ shear strength Δ compressive strength

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SAMPLE STATION GEOLOGY

GEOLOGIST

SAMPLE NUMBER K 59 02 170

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	0.10	(G)S		2.5Y 7/4	P	S	F	K	SU	L	9.8			9.8	3.0	SU	C									RR					C
12	21									30	40	48	52			61					ABUNDANCE SCALE									80	

L dup columns 2-11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	label	ADDITIONAL COMMENTS (FREE TEXT)
0.00	0.10	1	GS SAMPLE SLIGHTLY COARSER WITH MORE GRAVEL GRADE MATERIAL
0.00	0.10	2	THAN GS SAMPLE
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	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		VT=very stiff			C=colour banded				I=informal	
		K=very coarse	W=well rounded		H=hard			G=graded bedding					SHEET ____ OF ____

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