SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES – MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | +59 (± lat) | -02 (± long) | 262 (no. 11)

CRUISE NO.	DATE	TIME (local)	WATER DEPTH	POSITION FIXING METHOD	COMMENT
83 WH 02 (year : ship : no 18)	05 05 (mnth : day 22)	00 58 (hrs : mins 26)	85 (metres 30)	A	(32)

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN	RED ☐	GREEN ☑	PURPLE ☑
6C	(41)	J 45.33 (48)	C 68.04 (55)

POSITION

LATITUDE	LONGITUDE
+59 40.45 (± degs : mins (decimal) 63)	-01 50.94 (± 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

SHELLY GRAVELLY SAND ON ILLSORTED (12 – 20 – 30 – 40)

MUDDY GRAVELLY SAND? (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 | -02 | 262

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

GS Fine-very coarse, poorly sorted, shelly gravelly sand.
Gravel fraction 98% carbonate - shell frags, whole shells - and 2% rock fragments. Max. clast size (whole shell) c. 50mm. Max. size lithic clast c. 25mm. Lithic clasts are encrusted + display faceted edges.
Carbonate c. 75%.
Quartz dominant terrigenous component with minor lithics/heavies.
Plant fragments present. Forams, bivalves, solitary coral.
Lt. yell-brown 2.5Y 6/4 - Lt. olive brown 2.5Y 5/4. [Macropal sample]

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

GS a/a on very ill sorted muddy sandy gravel. May include component of weathered OIS.

1
2
3
4
5
6

shear strength ○ compressive strength △

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SAMPLE STATION GEOLOGY

GEOLOGIST: MS

SAMPLE NUMBER: K +59 -02 262

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
000	005	GS		2.5Y5/4m	P	S	FK			75			98	50							P			A	P	P	P				C
				~~6/4~~																											

ABUNDANCE SCALE

L dup columns 2-11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	label	ADDITIONAL COMMENTS (FREE TEXT)
000	005	1	MACROPAL SAMPLE TAKEN
~~005~~	~~000~~	2	ROCKCORER RECOVERED GS ON ?MUDDY ~~[illegible]~~ GRAVELLY SAND WHICH
000	005	3	MAY INCLUDE COMPONENT OF WEATHERED ORS
000	005	4	COLOUR LIES BETWEEN 2.5Y5/4 AND 2.5Y6/4

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		Y=very stiff			C=colour banded				I=informal	
		K=very coarse	W=well rounded		H=hard			G=graded bedding					

SHEET ____ OF ____

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