SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | +59 (± lat) | -02 (± long) | 160 (no.) (11)

CRUISE NO. 82 | W.H | 5 (year : ship : no 18)

DATE 06 | 18 (mnth : day 22)

TIME (local) 06 | 02 (hrs : mins 26)

WATER DEPTH 110 (metres 30)

POSITION FIXING METHOD A

COMMENT (32)

NAVIGATIONAL READINGS (tick lanes with best intersection)

	CHAIN	RED ☐	GREEN ☑	PURPLE ☑
	6C	A 11.85 (41)	A 46.85 (48)	C 56.97 (55)

POSITION

LATITUDE	LONGITUDE
+59	50.36	-01	54.00
± degs	: mins (decimal) 63	± 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 0.20 (50 … 55)

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

H (1) dup cols 2-11

OLIVE GRAVELLY SHELLY SAND OVERLIES RED GRAVELLY SAND

(12 … 20 … 30 … 40 … 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

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. +59 -02 160

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

GS Moderate-poorly sorted, m-v. coarse, gravelly, shelly, sand.
Olive 5Y 5/4
Sand fraction: 85% shell frags. Terrigeneous component consists quartz, subangular-well rounded, low-high sphericity, lithics subangular, low sphericity.
Gravel fraction: 90% shell frags, max size 80mm. Also includes lithic pebbles, up to 20mm, subangular-subrounded, low sphericity.

Medium sand grade is v. well sorted — sediment polymodally sorted?

CORE SAMPLE	Equipment Used: CS	Stored in: Cut Cores, Uncut Cores, 2 Jars, 1 Bags.

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

(A) GS Moderately-poorly sorted gravelly shelly sand.
Colour a/a. Slightly muddy.
Sand fraction a/a except 50/50 shells/lithics
Gravel fraction a/a " ~60/40 shells/lithics
Some of pebbles show striations. Pebbles up to 25mm.
example bagged (included in CS Jar)

(B) GS Moderately sorted, redbrown (5YR4/4) fine-coarse, gravelly shelly sand.
Sand fraction: 95% terrigeneous clasts, dominantly quartz, subang-well rounded, low-high sphericity, with minor lithics, subrounded, low sphericity.
Gravel fraction: 50/50 lithics/shells. Lithics subangular (faceted?) to rounded, low sphericity.

This sand facies is similar to the samples described in samples 59/-02/[redacted] 157 which suggests that the latter [redacted] samples may not be bedrock (weathered) as was tentatively suggested. The lack of a decent sample precludes any definite statement about 157

1 2 3 4 5 6

○ shear strength △ compressive strength

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SAMPLE STATION GEOLOGY

GEOLOGIST: MS

SAMPLE NUMBER: K +59 -02 160

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	0.05	GS		5Y 5/4	M	S	MK	SWL		8.5			90	80	SUL									A	R						C
0.05	0.10	GS		5Y 5/4	M	S	MK	SWL		5.0			60	25	SUL									A							C
0.10	0.20	GS		5Y R4/4	M	S	FC	SWL		5			50	20	SRL																C

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	0.20	1	QUARTZ DISPLAYS VARIABLE HIGH TO LOW SPHERICITY AND VARIABLE ROUNDNESS THROUGHOUT SAMPLE
0.05	0.10	1	INCLUDES STRIATED PEBBLE
0.10	0.20	1	RED SAND FACIES INCLUDES FACETED LITHIC PEBBLES

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 P=poorly sorted M=moderately sorted W=well sorted X=very well sorted	N=no reaction W=weak M=moderate S=strong	S=silt V=very fine F=fine M=medium C=coarse K=very coarse	V=very angular A=angular S=subangular U=subrounded R=rounded W=well rounded	L=low H=high	V=very soft S=soft F=firm T=stiff Y=very stiff H=hard	N=non-plastic L=low plasticity I=intermediate H=highly plastic	G=gradational S=sharp E=erosive U=unconformity	F=flat lamination R=ripple lamination X=cross-bedded D=disturbed C=colour banded G=graded bedding	J=prominent joints D=prominent discontinuities F=fissuring	W=weak M=moderate S=strong A=induced by acid	R=rare C=common A=abundant	G=group F=formation M=member B=bed I=informal	C = additional comments below 1,2 etc = label if more than one comment. SHEET ____ OF ____

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