SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | +59 (± lat) | -02 (± long) | 121 (no. 11)

CRUISE NO.	DATE	TIME (local)	WATER DEPTH	POSITION FIXING METHOD	COMMENT
82 WH 5 (year : ship : no 18)	06 16 (mnth : day 22)	00 52 (hrs : mins 26)	86 (metres 30)	A	

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN	RED	GREEN	PURPLE
6C	A 3.70 (41)	B 42.70 (48)	D 63.70 (55)

POSITION

LATITUDE	LONGITUDE
+59 +60 42.85 (± degs : mins (decimal) 63)	-01 22.40 (± 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 (12–32)

T.D. metres: 0.20 (50–55)

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

H (1) dup cols 2-11: COBBLY SHELLY GRAVEL OVERLIES GRA (12–40)

VELLY SHELLY SAND (50–80)

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 -02 121

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

G Poorly sorted, pebbly/cobbly shelly gravel.

Approx. 60% of sample consists of broken shell fragments with rare whole shells. Lithic pebbles vary from granule grade to cobble grade (max. dim. 70mm). Mostly subangular, Low sphericity.

(No obvious colour code.)

CORE SAMPLE | Equipment Used: C/C | Stored in: Cut Cores, Uncut Cores, Jars, Bags.

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

gS Poorly sorted, gravelly shelly sand.

Colour – Very pale brown 10YR 7/3

Sand fraction – varies from silty/muddy (interstitial water) to medium – coarse sand grade

Approx. 50% shell frags, fine – crse sand grade.

Terrigenous component consists of qtz + lithics, angular to rounded. Quartz often shows high sphericity, lithics usually low sphericity. Lithics of a fresh looking sst. are common.

Gravel fraction: lithics up to 30mm, mostly of sst, grey. Angul – subangular, low sphericity. Some appear faceted and one (bagged) shows possible striations.

Few shell frags. in this gravel

Bagged sample included in jar, inc: faceted + striated, and faceted pebble.

1 2 3 4 5 6

○ shear strength Δ compressive strength

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SAMPLE STATION GEOLOGY

GEOLOGIST: MS

SAMPLE NUMBER: K (1) +59 -02 121 (11)

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	0.01	G			P	S							60	70	S	L	X							A	R						
0.01	0.20	GS		10YR 7/3	P	S	S	C	A	R	L	50		2	30	A	S	L													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)
0.01	0.20	1	VARIABLE SPHERICITY QUARTZ OFTEN HIGH SPHERICITY LITHIC FR
0.01	0.20	2	AGMENTS LOW SPHERICITY
0.01	0.20	3	LITHIC PEBBLES FACETED AND OCCASIONALLY STRIATED

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	
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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