SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | +59 (± lat) | −02 (± long) | 210 (no.) (11)

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

DATE 06 | 20 (mnth : day 22)

TIME (local) 23 | 19 (hrs : mins 26)

WATER DEPTH 118 metres 30

POSITION FIXING METHOD: A

COMMENT: 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN: 6C

RED: A 00.0 (41) ☐

GREEN: D 34.0 (48) ☑

PURPLE: F 64.0 (55) ☑

POSITION

LATITUDE: +59 | 16.18 (± degs : mins (decimal) 63)

LONGITUDE: −01 | 05.79 (± 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: 00.51 (50 … 55)

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

H (1) dup cols 2-11

OLIVE FINE SAND WITH SHELLS OVER (12 … 20 … 30 … 40)

STIFF PEBBLY SANDY CLAY (50 … 60 … 70 … 80)

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER Head	PENETROMETER Readings					HAND VANE Head	HAND VANE 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

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. +59 -02- 210

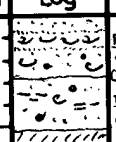
SURFACE SAMPLE | Equipment Used: G | Seabed Photo: ~~Yes~~/No | Stored in: 1 Jars, Bags.

(m)S. Slightly silty sand. Colour 5Y5/3. olive.
Well sorted v.fine to fine quartz silt-sand. Shell frags + occ. forams c. 30%
Mica flakes common

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

Core Photo: Yes/~~No~~

Depth (m)	Log	Description	Sub Samples	Geotechnical Log



T.D. 0.51m

Ⓐ 0.00-0.07m (m)S. Slightly silty sand with occ shell frags & gravel grade material esp towards 0.07m.

Ⓑ 0.07-0.14m GS. Poorly sorted gravelly sand. (5Y5/2)
Gravel fraction:- Broken shell material up to 15mm across, angular.
Sand fraction:- Poorly sorted. Shell material v. coarse to fine, 95%, with rare rock frags.
In fine fraction glauconite occ-common. Forams common.
Mafic rock frags c. 25% of fine grade material.

Ⓒ 0.14-0.29m mgS. 5Y5/2-1
Silty, poorly sorted sand with gravel grade shell + rock frags. (30-mm)
Gravel:- 60% shell material, angular to subrounded. 40% rock frags, mst + other lithologies. subangular to subrounded.
Sand:- V. fine to V. coarse, mainly v. fine to med, with coarser material being shell + rock frags.
Angular to sub-rounded. >70% lithic 30% carbonate → 5YR 5/2

Ⓓ 0.29-0.51m ~~gS~~ MS Firm, silty sand with rock frags + granule grade with paler laminae of silty sand free of gravel grade material.
~~10YR~~ 10YR 5/4, yellowish-brown colour.
Rock frags up to 25mm across Many frags are angular.

shear strength ○ compressive strength △

SAMPLE STATION GEOLOGY

GEOLOGIST N.A.R

SAMPLE NUMBER K 4,59 -63 2,16

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
Ø.64	Ø.67	(G)MS		5Y 5/3	W	S	V F	SU	L	3Ø							S					C					R				
Ø.67	Ø1.4	GS		5Y 5/2	P	S	F K	SU	L	75			1.6Ø	1.5	A	U	L	G									R				
Ø1.4	Ø1.29	MGS		5Y 5/1	P	S	SK	AU		3Ø			.6Ø	3.1Ø	A	U	L	S									R				
Ø1.29	Ø1.51	[illegible]	MS	5Y 5/3	P	M	SK	A U		2Ø	F	T	1	2.5	A	U	L														C
		(G)SM																													

ABUNDANCE SCALE

L dup columns 2-11

DEPTH INTERVAL (m) upper	lower	label	ADDITIONAL COMMENTS (FREE TEXT)
Ø.29	Ø.51	1	INTERLAMINATED BROWN GRAVELLY SILTY SAND WITH LENSES OF
Ø.29	Ø.51	2	GRAVEL FREE YELLOWISH BROWN SILTY VERY FINE TO FINE SAND

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		V=very stiff			C=colour banded				I=informal	
		K=very coarse	W=well rounded		H=hard			G=graded bedding					SHEET ____ OF ____