SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F +59 -02 148
1 ± lat ± long no. 11

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

DATE 06 17 (mnth : day 22)

TIME (local) 18 45 (hrs : mins 26)

WATER DEPTH 8.1 metres 30

POSITION FIXING METHOD A

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6.C

RED ☐ A 4.90 41

GREEN ☑ C 33.90 48

PURPLE ☑ D 60.10 55

POSITION

LATITUDE +59 46.65 (± degs : mins (decimal) 63)

LONGITUDE -01 22.80 (± 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 (12 … 22 … 32)

T.D. metres 0.10 (50 … 55)

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

H 1 dup cols 2-11 POORLY SORTED GRAVELLY SHELLY SAM (12 … 20 … 30 … 40)

D (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)

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES – MARINE GEOLOGY UNIT

SAMPLE NO. +59 -02 148

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

GS Poorly sorted, medium-v.coarse gravelly shelly sand.
Pale yellow 2.5Y 7/4 – light yellowish brown 2.5Y 6/4.

Sand fraction: 98% shell fragments, angular-rounded. Terrigenous component consists of quartz, sub-well rounded, med-high sphericity, and minor lithics, subrounded, low sphericity.

Gravel fraction: 80% lithic pebbles + cobbles, max. size 105mm. sub-well rounded, low sphericity. Also include. broken angular shell fragments max size ~25mm.

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 Very poorly sorted, fine-v.coarse, muddy gravelly shelly sand.
Lt.brownish grey 2.5Y 6/2.

Sand fraction: 80% shell fragments a/a. Terrigenous component consists of quartz subrd-rounded, med-high sphericity, + lithics (mica rich) subang-subrd, low sphericity.

Gravel fraction: 90% lithic pebbles (max size 35mm) angular-subrd, low sphericity, 10% shell frags up to 30mm angular.

Trace of red sandy material on base of rock core – poor sample

1
2
3
4
5
6

o shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: MS

SAMPLE NUMBER: K +59 -02 .148

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		2.5Y 7/4	P	S	M	K	A	W	98													A							C
~~0.05~~	~~0.10~~	~~(M)GS~~		~~2.5Y 6/4~~																											
0.05	0.10	(M)GS		2.5Y 6/1/2	V	S	F	K	S	R	80																				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	0.05	1	VARIABLE SPHERICITY, QUARTZ, MEDIUM TO HIGH, LITHICS, LOW
0.05	0.10	2	A/A
0.05	0.10	2	TRACE OF RED SANDY MATERIAL AT BASE, POOR SAMPLE UNCERTAIN
0.05	0.10	3	NO SIGNIFICANCE

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