SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F 59 -02 224
1 ± lat ± long no. 11

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

DATE 06 21 (mnth : day 22)

TIME (local) 21 45 (hrs : mins 26)

WATER DEPTH 113 metres 30

POSITION FIXING METHOD A

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED ☐ A 1.5 41

GREEN ☑ B 42.0 48

PURPLE ☑ E 54.1 55

POSITION

LATITUDE +59 37.90 (± degs : mins (decimal) 63)

LONGITUDE -01 07.68 (± 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 0.48 (50 55)

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

H 1 dup cols 2-11

GRAVELLY SHELLY SAND VARIABLE CAR
12 20 30 40

BONATE CONTENT DOWNCORE
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

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SAMPLE NO. +59 / -62 / 224

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

gS Poorly sorted, fine-coarse, gravelly shelly sand.
Light olive brown 2.5Y 5/4 – light yellowish brown 2.5Y 6/4
Sand fraction: 97% shell frags (inc. foram tests); frags. ang-subang, low sphericity.
Terrigeneous component includes quartz, subang-subrd., low sphericity, lithics subang., low sphericity, + mica (common).
Gravel fraction: 99% shell frags; max. size ≈10mm. Frags. ang, low sphericity.

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

Core Photo: ~~Yes~~/No

Depth (m)	Log	Description	Sub Samples	Geotechnical Log
		A 0.00 – 0.14 B 0.14 – 0.28 C 0.28 – 0.34 D 0.34 – 0.48		

[Core is soft to firm]

(A) gS Very similar to above except that shell fraction is approx 60%.

(B) gS a/a except that shell frags and some quartz grains have a black staining on them.
Nearest colour is greenish grey 5GY 5/1

(C) gS a/a (0.00 – 0.14) Transitional facies between (A) and (D) Coarsening downwards. Light Yell brown 2.5Y 6/4 to light olive brown 2.5Y 5/4

(D) gS Poorly sorted, medium – coarse, gravelly shelly sand.
Pale brown 10YR 6/3
Sand fraction: 80% shell frags, ang. low sphericity.
Terrigeneous component mostly quartz, subang-subrd, low sphericity, lithics subang, low sphericity.
Gravel fraction: 99% shell frags, ang, low sphericity.

1 2 3 4 5 6

shear strength ○ compressive strength △

SAMPLE STATION GEOLOGY

GEOLOGIST: MS

SAMPLE NUMBER: K +59 -02 224

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	H2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0.00	0.14	GS		2.5Y5/4	P	S	FC	AU	L	60			99	10	A	L	T									C					
				~~2.5Y6/4~~																											
0.14	0.28	GS		5GY5/1	P	S	FC	AU	L	60			99	10	A	L	T														
0.28	0.34	GS		2.5Y5/4	P	S	FC	AU	L	60			99	10	A	L	T														
[illegible]	[illegible]	[illegible]		~~2.5Y6/4~~																											
0.34	0.48	GS		10YR6/3	P	S	MC	AU	L	80			99	10	A	L															

ABUNDANCE SCALE

L dup columns 2–11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	label	ADDITIONAL COMMENTS (FREE TEXT)

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

SHEET ____ OF ____