SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | +59 (± lat) | -01 (± long) | 178 (no.) (11)

CRUISE NO. (year : ship : no 18): 83 | WH | 02

DATE (mnth : day 22): 04 | 22

TIME (local) (hrs : mins 26): 18 | 50

WATER DEPTH (metres 30): 133

POSITION FIXING METHOD: L

COMMENT (32):

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN: 6C

RED: A 00.0 (41)

GREEN: C 38.45 (48)

PURPLE: F 70.15 (55)

POSITION

LATITUDE (± degs : mins (decimal) 63): +59 | 34.49

LONGITUDE (± degs : mins (decimal) 71): -00 | ~~12.12~~ 21.12

ADDITIONAL INFORMATION :

LONG. CHANGED TO CONFORM WITH CRUISE SHEET.

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														

(12 ... 22 ... 32)

T.D. metres (50 ... 55): 291

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

H (1) dup cols 2-11

FINE OLIVE STND OVER VERY VARIABL (12 ... 20 ... 30 ... 40)

E UNIT. HARD WHITE SST (V.V. THIN) BASE (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)

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SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. +59 | -01 | 178

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

S v. fine olive sand.

CORE SAMPLE	Equipment Used: VE	Stored in: 3 Cut Cores, Uncut Cores, 1 Jars, Bags.

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

Surface sand with, beneath, a great variety of sediment, essentially muddy gravels top and sandier downwards, grading coarse clean sand with fine muddy sand interbeds, at base

Very base of core a c 3mm hard white med-sandstone. ? bedhead.

1 2 3 4 5 6

shear strength ○ compressive strength △

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SAMPLE STATION GEOLOGY

GEOLOGIST DE

SAMPLE NUMBER K 59/001/178

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	0.25	S		5Y4/1	W	M	V.F										G				A					A					
0.25	2.90	SM	MS																												
2.90	2.91	GD.ST																													

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	0.25		SHELLY-WITH PINE SHELL + CUP CORAL, SHELLY, BELOW SEABED
0.25	2.90	1	EXTREMELY VARIABLE SEDIMENT, TO SILTY CLAY, V. SOFT, WITH SHELLS
0.25	2.90	2	BECOMING SANDY IN 2ND METRE TO ABOUT 2-3M. DK GREY AT TOP,
0.25	2.90	3	RATHER PINKER BELOW. BASAL ZONE IS ESSENTIALLY COARSE SL.
0.25	2.90	4	PINKISH SAND WITH FINER MUDDY SAND INTERBEDS. VERY BASE IS
0.25	2.90	5	SOFT, EXTREMELY SILTY CLAY.
2.90	2.91		VERY THIN (c. 3MM), WHITISH HARD SAND, ?ROCKHEAD

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		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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