SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. F (1) | +59 (± lat) | -01 (± long) | 138 (no.) 11

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

DATE 04 | 17 (mnth : day) 22

TIME (local) 14 | 46 (hrs : mins) 26

WATER DEPTH 142 metres 30

POSITION FIXING METHOD A

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED A 1.0 41

GREEN B 33.39 48

PURPLE C 77.49 55

POSITION

LATITUDE +59 | 18.55 (± degs : mins (decimal)) 63

LONGITUDE -00 | 10.38 (± 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 125 (50 / 55)

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

H (1) dup cols 2-11

VERY FINE SILTY SAND, OLIVE GRADING TO GREY-BROWN OVER BOULDER CLAY

(12 / 20 / 30 / 40 / 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 | -01 | 138

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

MS V. fine sand with silt. Olive.

CORE SAMPLE	Equipment Used: VE	Stored in: 2 Cut Cores, Uncut Cores, 1 Jars, Bags.

Depth (m)	Log	Description	Core Photo: Yes/~~No~~	Sub Samples	Geotechnical Log
1		Olive sand grading to grey brown. OR V. stiff boulder clay.			
2					
3					
4					
5					
6					

o shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: DE

SAMPLE NUMBER: K 59 01 138

K dup columns 2-11

Depth upper (m)	Depth lower (m)	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	MS		5Y4/4	X	M	SV			5											P					A					C
0.01	0.20	MS		5Y4/4													G								P						C
0.20	0.60	MS		10YR4/2	W	N	SV										S														C
0.60	1.25	GSM		10YR4/1	V	M					Y	LN		35																	C

ABUNDANCE SCALE

L dup columns 2-11

Depth upper (m)	Depth lower (m)	label	Additional comments (free text)
0.00	0.01		SHIPEK
0.01	0.20		AS SHIPEK BUT NOT SO WELL SORTED AND ? MORE COHESIVE
0.20	0.60		VERY COHESIVE, SOFT
0.60	1.25		TILL (BOULDER CLAY), SANDY AT BASE

SORTING OF TOTAL SAMPLE: V = very poorly sorted; P = poorly sorted; M = moderately sorted; W = well sorted; X = very well sorted

HCl REACTION: N = no reaction; W = weak; M = moderate; S = strong

SAND GRAIN SIZE: S = silt; V = very fine; F = fine; M = medium; C = coarse; K = very coarse

ROUNDNESS: V = very angular; A = angular; S = subangular; U = subrounded; R = rounded; W = well rounded

SPHERICITY: L = low; H = high

MUD HARDNESS: V = very soft; S = soft; F = firm; T = stiff; Y = very stiff; H = hard

MUD PLASTICITY: N = non-plastic; L = low plasticity; I = intermediate; H = highly plastic

BASAL CONTACT: G = gradational; S = sharp; E = erosive; U = unconformity

BEDDING: F = flat lamination; R = ripple lamination; X = cross-bedded; D = disturbed; C = colour banded; G = graded bedding

JOINTING: J = prominent joints; D = prominent discontinuities; F = fissuring

H_2S ODOUR: W = weak; M = moderate; S = strong; A = induced by acid

ABUNDANCE SCALE: R = rare; C = common; A = abundant

LITHOSTRAT UNIT: G = group; F = formation; M = member; B = bed; I = informal

COMMENTS: C = additional comments below; 1, 2 etc = label if more than one comment.

SHEET ______ OF ______