SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES – MARINE GEOLOGY UNIT

SAMPLE NO. F | +59 | +01 | 203 (± lat, ± long, no.)

CRUISE NO. (year : ship : no)	DATE (mnth : day)	TIME (local) (hrs : mins)	WATER DEPTH (metres)	POSITION FIXING METHOD	COMMENT
83 UH 02	05 22	04 15	119	L	

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN	RED	GREEN	PURPLE
05E	.	A 37.27	I 69.26

POSITION

LATITUDE (± degs : mins (decimal))	LONGITUDE (± degs : mins (decimal))
+59 09.55	+01 10.89

ADDITIONAL INFORMATION :

EQUIPMENT TYPE: 1 = sample recovered; 2 = no sample (geological reasons); 3 = no sample (equipment failure); 4 = no sample (undifferentiated)

G dup cols 2–11

GS	VE	CS	CR	DM	DR	BH	SD	RD	SU	PS	DI	BS	OC	OG
1	1													

T.D. metres: 022

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

H dup cols 2–11: POORLY SORTED FINE SAND ON SHELL HASH AND THEN FIRM CLAYEY SILT

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER Head	Readings					HAND VANE Head	Readings		

AVERAGED DATA

	DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)
I dup cols 2–11	.	.	.
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I dup cols 2–11	.	.	.
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SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. 59 | +01 | 2/3

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

S Poorly sorted very fine to fine grained olive sand. 3% lithic fragments, 5% shell fragment, occasional mica flake and common forams. occasional bivalve fragment of gravel grade size. Some fine to medium grade sand grains of milky quartz, subrounded, but otherwise subangular to subrounded fine to very fine quartz grains.

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

Core Photo: Yes/~~No~~

Depth (m)	Log	Description	Sub Samples	Geotechnical Log
	0.03m S	as above. gravelly sand grey in colour. As above in sand content though probably also a little coarser + lots of shell in the familiar hash plus a 7cm dia. subrounded pebble of metamorphic rock ? gneiss.		
	0.22m T.D. M	Then had silty clay with some black streaks + strong H_2S smell with HCl added. Occasional shell fragment seen.		
1				
2				
3				
4				
5				
6				

o shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST: A. SKINNER

SAMPLE NUMBER: K 59 +01 203

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	H_2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0	0.3	S		5Y 4/3	P	M	VF	S	U	H	S						G				P				C					C	
0.3	1.4	S		5Y 4/2	P	M	F	M	S	U	S						S												HA, S, HI	C	
1.4	2.2	M		5Y 4/1	P	M	S	S	U		1	F	I							A										C	

L dup columns 2-11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	label	ADDITIONAL COMMENTS (FREE TEXT)
0	0.3		SOME GRAVELLY GRADE SHELLY MATERIAL
0.3	1.4		SHELLY HASH AND ONE 7CM PEBBLE OF GNEISS, SUBROUNDED
1.4	2.2		SILTY CLAY OR CLAYEY SILT WITH BLACK STREAKS

ABUNDANCE SCALE

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 ____