

SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. **F** **+59-01.235**
 1 ± lat ± long no. 11

CRUISE NO. **83 W.H. 02** DATE **05 02** TIME (local) **01 25** WATER DEPTH **1.18** POSITION FIXING METHOD **A** COMMENT 32

year : ship : no 18 mnth : day 22 hrs : mins 26 metres 30

CHAIN RED GREEN PURPLE

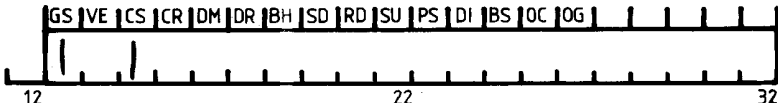
NAVIGATIONAL READINGS (tick lanes with best intersection) **6C** **B 42.02** **F 67.74**
 41 48 55

LATITUDE **+59 29.39** LONGITUDE **-00 34.64**
 ± degs : mins (decimal) 63 ± degs : mins (decimal) 71

POSITION

ADDITIONAL INFORMATION :

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

G dup cols 2-11  T.D. metres **0.32**
 1 12 22 32 50 55

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

H dup cols 2-11 **MEDIUM TO COARSE SAND ON MUDDY GRAVELLY SAND.**
 1 12 20 30 40 50 60 70 80

GEOTECHNICAL DATA :

RAW DATA			
PENETROMETER		HAND VANE	
Head	Readings	Head	Readings

AVERAGED DATA		
DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)
I dup cols 2-11 14		
25		
36		
47		
58		
69		
I dup cols 2-11 14		
25		
36		
47		
58		
69		

SAMPLE DESCRIPTION SHEET

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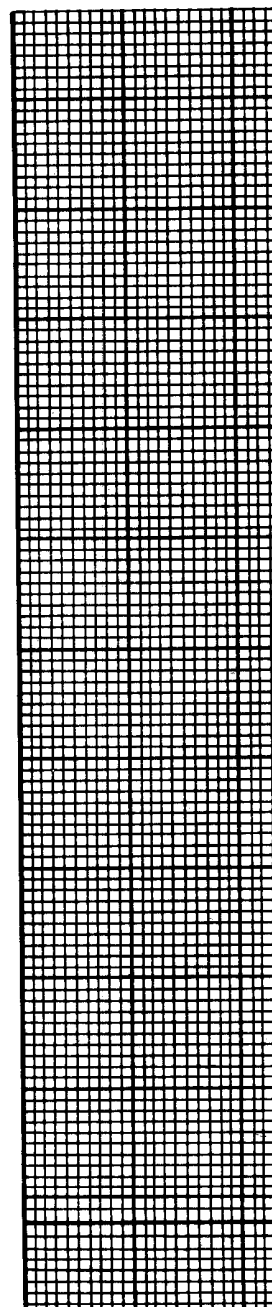
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SURFACE SAMPLE Equipment Used: GS Seabed Photo: Yes/No Stored in: 1 Jars, Bags.

S Medium to coarse, moderately sorted sand.
 Quartz dominates with subordinate lithics, shell fragments and forams.
 Carb. c. 10%. Strong reaction to HCl.
 Olive 5Y4/4

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

Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
(m) 0 1 2 3 4 5 6		<p><u>S</u> s/a with several large whole shells, max. size 55mm length. Broken shell fragment up to 20mm.</p> <p>At. c. 12cm</p> <p><u>MGS</u> Poorly sorted, fine to coarse, muddy gravelly shelly sand.</p> <p>Shell frags. up to 5mm.</p> <p>Max. lithic clast size c. 31mm. Pebbles inc. faceted types and are occasionally encased with worm tubes. Pebbles concentrated mainly between 13-18cm depth. Matrix supported.</p> <p>Dk. grey brown 10YR 4/2.</p> <p>Gradational contact.</p>			
					○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST
MS

SAMPLE NUMBER

K +59-01 235

K dup columns 2-11

DEPTH INTERVAL (m) upper lower	SEDIMENT (Folk class) or main rock type	subordinate rock type	MUNSELL COLOUR	Sp. Reaction HCl Reaction	SAND			MUD		GRAVEL			ABUNDANCE SCALE					Chronostrat. Lithostrat.	Unit	Comments					
					Grain Size Range	Roundness Range	Sphericity	Hard-Plast- ness	icity	% Shell Material	Max. Clast Size (mm)	Roundness Range	Sphericity	Basal Contact Bedding	Jointing	H ₂ S Odour	Heavy Minerals Pigment				Glauconite Fossils	Whole Shells Fossils	Plant Remains		
0:00 0:12	S		5Y4/14	MS	FC		1.0																		
0:12 0:32	MGS		10YR4/12	PS	FC		1.0			SR	31	SR													

L dup columns 2-11

DEPTH INTERVAL (m) upper lower	ADDITIONAL COMMENTS (FREE TEXT)
0:00 0:12	1 LARGE SHELLS AND SHELL FRAGMENTS, OCCUR SPORADICALLY, IN THE
0:12 0:32	2 S. SAND FACIES.
0:12 0:32	1 PEBBLES, INCLUDE FACILE TYPES.
0:12 0:32	2 SOME P.G. PEBBLES, ARE ENCRUSTED WITH WORK TUBES.

SORTING OF TOTAL SAMPLE	HCl REACTION	SAND GRAIN SIZE	ROUNDNESS	SPHERICITY	MUD HARDNESS	MUD PLASTICITY	BASAL CONTACT	BEDDING	JOINTING	H ₂ S ODOUR	ABUNDANCE SCALE	LITHOSTRAT UNIT	COMMENTS
V = very poorly sorted P = poorly sorted M = moderately sorted W = well sorted X = very well sorted	N = no reaction W = weak M = moderate S = strong	S = silt V = very fine F = fine M = medium C = coarse K = very coarse	V = very angular A = angular S = subangular U = subrounded R = rounded W = well rounded	L = low H = high	V = very soft S = soft F = firm T = stiff Y = very stiff H = hard	N = non-plastic L = low plasticity I = intermediate H = highly plastic	G = gradational S = sharp E = erosive U = unconformity	F = flat lamination R = ripple lamination X = cross-bedded D = disturbed C = colour banded G = graded bedding	J = prominent joints D = prominent discontinuities F = fissuring	W = weak M = moderate S = strong A = induced by acid	R = rare C = common A = abundant	G = group F = formation M = member B = bed I = informal	C = additional comments below 1,2 etc = label if more than one comment. SHEET ____ OF ____