

# SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO. **F** **+59-01.86**  
 1 ± lat ± long no. 11

CRUISE NO. **82 WH 05** DATE **06 05** TIME (local) **17 35** WATER DEPTH **141** POSITION FIXING METHOD **A** COMMENT   
 year : ship : no 18 mnth : day 22 hrs : mins 26 metres 30

NAVIGATIONAL READINGS (tick lanes with best intersection) CHAIN **6C** RED  GREEN  PURPLE   
**P 34.30 F 75.66**  
 LATITUDE **+59 42.10** LONGITUDE **-00 01.50**  
 ± degs : mins (decimal) 63 ± degs : mins (decimal) 71

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 **GS VE CS CR DM DR BH SD RD SU PS DI BS OC OG** T.D. metres **57.1**  
 1 12 22 32 50 55

SUMMARY SAMPLE DESCRIPTION : (Free text - max. 69 characters)  
**H** dup cols 2-11 **VERY SOFT OLIVE GREY VARIABLY SANDY MUD WITH FEW LENSES MUDDY SAND**  
 1 12 20 30 40 50 60 70 80

## GEOTECHNICAL DATA :

### RAW DATA

PENETROMETER					HAND VANE			
Head	Readings				Head	Readings		
100/8	0.4	0.4	0.5	0.5	x2	1.5	1.8	
"	0.5	0.6	0.5	0.6	"	2.0	1.6	
"	0.8	1.0	0.5	0.5	"	2.3	2.0	
"	0.7	1.0	0.8	1.0	"	2.2	2.1	
"	0.5	0.5	0.5	0.5	"	2.3	2.0	
"	1.2	1.0	1.2	1.0	"	3.0	4.0	
"	0.9	1.1	1.2	0.9	"	3.5	3.2	
"	0.8	0.8	0.9	0.8	"	3.5	3.5	
"	0.9	1.0	1.0	0.7	"	3.8	3.5	
"	0.8	0.7	1.3	1.4	"	3.0	3.1	
"	1.6	1.0	1.1	0.9	"	3.5	4.0	
"	2.0	1.5	1.5	1.6	"	4.4	4.5	

### AVERAGED DATA

DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)
14	0.30	3.3
18	5.6	3.3
25	0.90	3.6
29	6.9	3.6
36	1.30	4.3
40	8.8	4.3
47	1.90	4.3
51	1.09	4.3
58	2.30	4.3
62	6.2	4.3
69	2.90	7.0
73	1.38	7.0
77	3.30	6.7
81	1.28	6.7
88	3.90	7.0
92	1.03	7.0
99	4.30	7.3
103	1.13	7.3
110	4.90	6.1
114	1.31	6.1
121	5.24	7.5
125	1.44	7.5
132	5.50	8.9
136	2.06	8.9

# SAMPLE DESCRIPTION SHEET

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59	-01	86
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SURFACE SAMPLE	Equipment Used: GS	Seabed Photo: Yes/No	Stored in: 2 Jars, - Bags.
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SANDY MUD, olive-green (SY<sub>4</sub>/2.5), very soft, very fine-grained, silty, well-sorted, mainly a, with c 2% finely comminuted shell sand, Foraminifera rare to common, few spicules, few plates mica noted; worm casts, 1 live starfish.

CORE SAMPLE	Equipment Used: VE	Stored in: 6 Cut Cores, - Uncut Cores, 1 Jars, - Bags.
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Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
(m)		<p>MUD, very soft, highly plastic (SY<sub>4</sub>-5/1), but becoming greener towards top, slightly sandy (vf part fine), silty, slightly calcareous becoming moderately calcareous at base. Sand content variable, locally SM - well-sorted, a-A, mica flakes common (c 5-10% lithic grains). Muddy sand appears to occur as pods, lenses and only as laminae locally in top 50 cm. c 1% shell gravel throughout core including several whole valve fragments <i>Cyprina islandica</i>, one <i>Metorma</i> Calcaree.</p>			
1					
2	66				
3					
4	6				
5					
5.70					
	6-6				
5.71					
6					
			Shoe Sample c 0.03 m		

○ shear strength    Δ compressive strength

