

# SAMPLE STATION DATA

SAMPLE NO.

**F** 1 +59 -01 84 11  
 ± lat ± long no.

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

CRUISE NO.

82 W# 05  
 year : ship : no 18

DATE

06 05  
 mnth : day 22

TIME (local)

12 00  
 hrs : mins 26

WATER DEPTH

136  
 metres 30

POSITION  
FIXING METHOD

**A** COMMENT 32

NAVIGATIONAL READINGS  
(tick lanes with best intersection)

CHAIN

6.C

RED

.

GREEN

**B** 47.82

PURPLE

**F** 64.10

LATITUDE

+59 22.13  
 ± degs : mins (decimal) 63

LONGITUDE

-00 02.30  
 ± 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**  
 1 dup cols 2-11

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

T.D. metres

6.04  
 50 55

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

**H** dup cols 2-11

SANDY SILTY VERY SOFT MUD ON MUD

SAND WITH SEVERAL SHELL BEDS

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER

Head	Readings				Head	Readings	
100/8	0.8	1.2	1.4	1.0	x2	3.7	3.9
"	1.0	1.0	0.5	0.8	"	3.5	2.0
"	1.0	0.8	1.2	1.0	"	3.4	3.4
"	1.5	1.0	1.2	1.0	"	3.3	2.8
"	1.4	1.5	1.0	1.0	"	3.5	3.6
"	1.0	1.0	0.8	0.6	"	3.7	3.6
"	0.7	0.8	0.8	0.5	"	3.5	3.2
"	1.0	1.5	1.5	1.8	"	3.8	3.9

AVERAGED DATA

DEPTH

PENETROMETER (KPa)

HAND VANE (KPa)

<b>I</b> dup cols 2-11	1	14	<span style="border: 1px solid black; padding: 2px;">0.79</span>	18	<span style="border: 1px solid black; padding: 2px;">1.69</span>	22	<span style="border: 1px solid black; padding: 2px;">7.6</span>
			25		<span style="border: 1px solid black; padding: 2px;">1.03</span>		33
		36	<span style="border: 1px solid black; padding: 2px;">1.81</span>	40	<span style="border: 1px solid black; padding: 2px;">1.25</span>	44	<span style="border: 1px solid black; padding: 2px;">6.8</span>
			47		<span style="border: 1px solid black; padding: 2px;">1.47</span>		55
		58	<span style="border: 1px solid black; padding: 2px;">2.81</span>	62	<span style="border: 1px solid black; padding: 2px;">1.53</span>	66	<span style="border: 1px solid black; padding: 2px;">7.1</span>
			69		<span style="border: 1px solid black; padding: 2px;">3.40</span>		73
<b>I</b> dup cols 2-11	1	14	<span style="border: 1px solid black; padding: 2px;">3.84</span>	18	<span style="border: 1px solid black; padding: 2px;">8.8</span>	22	<span style="border: 1px solid black; padding: 2px;">6.7</span>
			25		<span style="border: 1px solid black; padding: 2px;">1.81</span>		33
		36	<span style="border: 1px solid black; padding: 2px;">:</span>	40	<span style="border: 1px solid black; padding: 2px;">:</span>	44	<span style="border: 1px solid black; padding: 2px;">:</span>
		47	<span style="border: 1px solid black; padding: 2px;">:</span>	51	<span style="border: 1px solid black; padding: 2px;">:</span>	55	<span style="border: 1px solid black; padding: 2px;">:</span>
		58	<span style="border: 1px solid black; padding: 2px;">:</span>	62	<span style="border: 1px solid black; padding: 2px;">:</span>	66	<span style="border: 1px solid black; padding: 2px;">:</span>
		69	<span style="border: 1px solid black; padding: 2px;">:</span>	73	<span style="border: 1px solid black; padding: 2px;">:</span>	77	<span style="border: 1px solid black; padding: 2px;">:</span>

# SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

+59 - 01 84

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

SAND, slightly muddy, olive-green (SY4/2.5), very fine-grained trace fine, very well-sorted, a-<sub>2</sub> (c.5% lithic grains), foraminifera common, few broken spicules, rare flakes mica; abundant worm casts on surface of sample.

\* SMALL SAMPLE ONLY RECOVERY AFTER 2 ATTEMPTS

CORE SAMPLE      Equipment Used: VE      Stored in: 6 Cut Cores, — Uncut Cores, 2 Jars, — Bags.

Depth      Log      Description      Core Photo: Yes/No      Sub Samples      Geotechnical Log

(m)					
1		0 - 4.49 M: - <u>SANDY MUD</u> , olive-grey (SY4/1), very soft, intermediate plasticity; sand fraction very fine-grained c.5% fine, silty, well-sorted a-A; few flakes mica, rare foraminifera noted, only weakly calcareous; becomes slightly greyer towards base. Sand content rather variable, but no structure apparent, possibly most sandy in top 50cm. Rare foraminifera continue to base. [possible lateral equivalent of monotonous Fladen mud facies I. Trace only broken shell gravel			
2		4.49 - 6.04 M <u>MUDDY SAND</u> , olive-grey (SY4/1.5), very well-sorted, mainly silt-very fine-grained, a-A; mica flakes common, possibly up to 10% of grains coated with orange? limonite; few small fragments plant debris noted. Trace coarse shell sand, no foraminifera noted. Weak to moderately calcareous. Six well-defined beds shell gravel, c.2cm thick noted - shell up to c.50% of sediment, including broken, whole valves <i>Chlamys striata</i> , <i>Macoma</i> <del>truncata</del> <i>calcareo</i> , <i>Mya truncata</i> , <i>Heartella cf. arctica</i> , one large gastropod; some shells barnacle encrusted. [Presence of iron-coated grains and plant debris suggests this may be lateral equivalent of interlaminated sands, clays of previous cores.]			
3					
4					
5					
6					

4.49  
6666  
5  
6666  
6666  
6666  
6.04  
6666

2 JAR SAMPLES : - TOP OF CORE C 0.07M  
SHOE SAMPLE C 0.08M  
T.D. 6.04M

○ shear strength      △ compressive strength

