# SAMPLE STATION DATA

BRITISH GEOLOGICAL SURVEY — MARINE GEOLOGY UNIT

SAMPLE NO. F (1) +59 (± lat) −Φ2 (± long) Φ358 (no.) (11)

CRUISE NO. 85 BM ΦΦ9 (year : ship : no 18)

DATE 10 07 (mnth : day 22)

TIME (local) 22 2Φ (hrs : mins 26)

WATER DEPTH 106 (metres 30)

POSITION FIXING METHOD E

COMMENT (32)

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED [ ] A Φ4.62 (41)

GREEN [ ] G 41.77 (48)

PURPLE [ ] F 74.19 (55)

POSITION

LATITUDE ± 59 Φ.97 (± degs : mins (decimal) 63)

LONGITUDE − Φ1 3Φ.Φ2 (± degs : mins (decimal) 71)

ADDITIONAL INFORMATION :

UNCUT CORE

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 (12–32)

T.D. metres Φ.34 (50–55)

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

H (1) dup cols 2–11

FINE TO MEDIUM OLIVE SAND GRADING INTO SILTY FINE SAND

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER — Head | Readings

HAND VANE — Head | 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 | -Ø2 | Ø358

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

NO SAMPLE TAKEN

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

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

(m)

Fine to medium grained shelly sand grading down into fine, slightly muddy sand.

1

2

3

4

5

6

o shear strength Δ compressive strength

# SAMPLE STATION GEOLOGY

GEOLOGIST DMR

SAMPLE NUMBER K 459-02/0358 11

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.34 | S | | 5Y5/3 | | | | | | | | | | | | | | | | | | | | | | | | | | | C |
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12 21 30 40 48 52 61 ABUNDANCE SCALE 80

**L** dup columns 2-11

| DEPTH INTERVAL (m) upper | DEPTH INTERVAL (m) lower | label | ADDITIONAL COMMENTS (FREE TEXT) |
|---|---|---|---|
| 0.00 | 0.34 | | UNCUT CORE |
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12 21 30 40 50 60 70 80

| 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 | |
| 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 | 1,2 etc=label if more than one comment. |
| 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 ____ | |