# I.G.S. Continental Shelf Units

F 1 SHEET/STATION NOS. csu 1 59003-03 csu 2 66 16 NO. OF SAMPLES 17

ORGANISATION SN 19 CRUISE NO. csu 1 csu 2 JH7703 25 DATE 07/03 29 TIME 1906 33 GMT

UNCORRECTED DEPTH 13 37 M POSITION FIXING METHODS 40 COMMENTS 41

PRIMARY FIXING METHOD chain 6CA 7·3Ø5 red pattern 1 3Ø·54C green pattern 2 57·95 purple chain 64

COMPUTED/MANUAL LATITUDE +59 39·15 72 LONGITUDE −Ø2 Ø1·8Ø 80

SECONDARY FIXING METHOD

| SITINGS | BEARING °T | RANGE |
|---|---|---|
| | | |
| | | |
| | | |

EQUIPMENT

CORRECTED DEPTH _____ O.D.

GEOLOGIST N. J Allen

SHIP V Lisbethan

| CARBONATE % | GRAVEL % | SAND % | SILT & CLAY % | CORES | BOTTLES | BAGS |
|---|---|---|---|---|---|---|
| | | | | | 1 | |
| | | | | 4 | 1 | |

GS Two attempts - samples combined
Poorly sorted, pale olive, slightly
1 (9) 5 gravelly shell sand.

97% $CaCO_3$: Bivalve, echinoid, barnacle, bryozoan gastropod, foram debris. Mud is sub-rounded.
Lithics: black fine grained sandstone/siltstone granules.

VE Vibrated for 7 mins. Penetration 68%. Fast penetration to 65%.

Top: Coarse reddish brown, faintly shelly sand ~20% $CaCO_3$
1m: Muddy coarse reddish brown sand with some shell fragments and pebbles and cobbles of black siltstone. Very soft.
2m: Very soft, very muddy sand containing granules and pebbles of black siltstone & dark red/brown sandstone.
3m: Same as 2m. Perhaps slightly muddier
3.25m SHOE: Red and buff coarse sand with some harder lumps in it. - Weathered bedrock.
? Permo Trias.

SAMPLE DATA SHEET 1.

# IGS (MGLU) CORE LOG

SHEET No. 1

GEOLOGIST(S) AR. DATE 16 MAY 81

ORG. CO. | SHIP REF. | YR. | CRUISE | SAMPLE STATION POSITION LATITUDE +/- LONGITUDE | SAMPLE STATION NUMBER 59 - 03 . 66 | TYPE VE

NON-IGS REF. / SAMPLE No. | DEPTH INTERVAL (M) FROM TO | TOTAL PENETRATION (M) | WATER DEPTH (M)

DEPTH (M)

| LOG | COL. | M-S-G (%) 20 40 60 80 | $CO_3$ (%) 20 40 60 80 | FOLK | DESCRIPTION | COMMENT | LITHO-STR. | SUB-SAMP |
|---|---|---|---|---|---|---|---|---|
| | 2.5Y8/4 | | | | Sand (g) S, medium-coarse grained, poorly sorted, 80% carbonate. 5% gravel, pale yellow. | | | |
| | 5YR5/4 | | | | Sand (g) S, medium, well sorted, pebbles up to 5cm near top & base, reddish brown. | | | |
| 1·00 | | | | | Sand. reddish brown medium-fine grained, well sorted. (g) S | | | |
| | 5YR5/4 | | | | angular pebbles up to 5cm (igneous) | | | |
| 2·00 | | | | | Mdst; red brown. | | | |
| | | | | | 8cm angular cobble (igneous) | | | |
| | 10 kPa | | | | Mdst, fragments, reddish brown. | | | |
| 3·00 | | | | | Sand becomes more consolidated and clayey towards base. | | | |
| | | | | | 3·26m. | Near rock head possibly Permo-Triassic, suggested by colour & presence of red brown mudstone fragments. | | |

GEOTECHNICAL DATA ON REVERSE

R.B. 16.4.90