I.G.S. Continental Shelf Units

F — SHEET/STATION NOS. csu 1 / csu 2: +5100-03 | 36 — NO. OF SAMPLES

ORGANISATION: SN — CRUISE NO. csu 1 / csu 2: 79WH03 — DATE: Ø627 — TIME: 1Ø2Ø (09) BST

UNCORRECTED DEPTH: 89 M — POSITION FIXING METHODS: — COMMENTS:

PRIMARY FIXING METHOD (chain / red / green / purple; chain / pattern 1 / pattern 2): 6C A | 4.16E | 37.14E | 52.Ø8

COMPUTED/MANUAL — LATITUDE: +59ØØ.75 — LONGITUDE: -Ø2Ø9.1Ø

SECONDARY FIXING METHOD:

SITINGS	BEARING °T	RANGE

CORRECTED DEPTH ________ O.D.

GEOLOGIST: N. H. Alle

SHIP: WHITETHORN

EQUIPMENT		CARBONATE %	GRAVEL %	SAND %	SILT & CLAY %	CORES	BOTTLES	BAGS
GS	(9) S Moderately sorted pale yellowish brown, medium shell sand. 97% CaCO3 Medium sand sized fragments of bivalve & echinoid & gastropod. Large fragments several cm across of gastropods & bivalves & echinoid. Grains angular - sub rounded. 3% Lithics - subangular & subrounded quartz.	97					1	
VE	Vibrated for 10 mins. Total penetration 58%. Fast penetration to 52% Top - 1.65m Shell sand-gravel as for GS. Some very coarse & contains 5 or 10% red pebbles. 2m Dark reddish brown soft sandy mud. 3m Well sorted medium light grey sand - weathered bedrock. Shoe 3.23. Some light grey sand as 3m, with red medium sand at very base. ∴ Core from red material through reduced, grey material to more red material. Sub sample of grey shoe material for micropal. SAMPLE TO MICROPAL CSC 3151					4	1	1

PDL 80/214.

SAMPLE DATA SHEET 1.

IGS (MGLU) CORE LOG

Sheet No. 1

Geologist(s): M.S. Date:

Org. Ship Yr. Cruise	Sample Station Position (Latitude / Longitude)	Sample Station Number	Type
		59-03 36	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

Col.:

- Olive 5Y 5/3
- Light yellowish-brown 10YR 6/4
- Grey-brown 2.5Y 5/2 to Olive 5Y 5/3
- 1.0m
- Olive grey 5Y 5/2
- Greyish brown 2.5Y 5/2
- Reddish-brown 5YR 4/4 (down to 3.0m)

Shear Strength:

- 10 kPa
- 2.0m — Too soft
- ~8 kPa
- 20 kPa
- 3.0m

Description:

S — Medium-fine, well sorted shelly sand ~50% CO_3. Terrigeneous component dominantly quartz. Grains sub-rounded, low-med. sphericity.

S — CO_3 ~ 35-40%. Quartz + detritals dominant terrigeneous component. Macrofossil debris occurring in distinct bands.

S — Coarse-fine, poorly sorted shelly sand c~30% CO_3. Quartz and detritals main lithics.

transition zone

SG — Coarse, poorly sorted, sandy shelly gravel. c. 35-45% CO_3. Terrigeneous – qtz, lithic + detritals. Lithics include fine red sandstone. Lithics + shell debris form coarsest fraction.

Boulder Clay? Fine sandy/silty clay. Occasional thin sandy/silty bands, and pebbles/granules

Bedrock? Grey-white Medium-fine grained Quartz sandstone. Well sorted, mod.– well rounded, good sphericity. Minor detritals. Permo-Triassic?

GEOTECHNICAL DATA ON REVERSE

R.O. 16.6.80