

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

159	-02	73
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SURFACE SAMPLE	Equipment Used: <i>GS</i>	Seabed Photo: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Stored in: 1 Jars, — Bags.
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SAND, clean, pale green (5YS 5/6), strongly calcareous - sand composed of c 95% finely-comminuted shell sand, fine gravel; forams, broken spicules common, few small gastropods, fragments Bryozoa. Sand grains mainly medium to coarse, a-R; sediment appears to be very well-sorted. One live tube worm, few worm casts on surface

CORE SAMPLE	Equipment Used: <i>VE</i>	Stored in: 4 Cut Cores, — Uncut Cores, 1 Jars, — Bags.	
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Depth (m)	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
0-0.06		0-0.06M CARBONATE SAND, pale olive-green (5YS 5/3) - 60% finely-comminuted shell sand, 40% clean, fine to coarse, moderately-sorted, a-R, foraminifera, sponge spicules common			
0.06-0.13		0.06-0.13M SANDY GRAVEL - abundant large broken shell fragments (mainly <i>Cyprina islandica</i> , <i>Chlamys</i> , <i>Astartidae</i> sp., large gastropod etc) in matrix carbonate sand a/a (grad. contact)			
0.13-0.21		0.13-0.21M CARBONATE SAND, pale grey-green (2.5Y 6.5/2) - c 40% comminuted shell with foraminifera etc a/a, 60% poorly-sorted fine-medium trace vt, trace coarse a-R sand			
0.21-0.52		0.21-0.52M SANDY GRAVEL (5YS 5/1): matrix a/a with abundant coarse shell gravel, increasing to c 20% at base, and c 10% lithic gravel to max 15mm diameter, pebbles a, 50mm cobble red [GS] sandstone at base			
0.52-1.70		0.52-1.70M MUD very soft, highly plastic, slight calcareous only, reddish-brown (6.5YR 5/4), silty, becoming slightly sandy (fine to medium, a-R) towards base; with partings becoming more abundant towards base			
1.70-2.53		1.70-2.53M SANDY MUD, very soft, reddish-brown (5YR 4.5/4), silty, vt-coarse with abundant well-rounded grains (a-R), poorly-sorted, rare mica, with c 1% granules, cobbles up to c 20mm diameter, apparently structureless, only trace calcareous			
2.53-2.75		2.53-2.75M DROPSTONE LENS PERMO-TRIASS MARL, variable soft to hard, variegated colours from pale blue grey (highly calcareous) to red-brown (5YR 6/4) to yellow-green, towards top contain abundant angular mud pebbles - ? mud pebble breccia			
2.75-4.56		2.75M-4.56M SANDY MUD a/a, very soft (4.5YR 4.5/6), but locally pale pink towards base, otherwise a/a			
4.56					
5					
6					

T. D. 4.56 M

○ shear strength Δ compressive strength

