

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

+59	+01	137
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SURFACE SAMPLE	Equipment Used: <u>G-S</u>	Seabed Photo: <u>Yes/No</u>	Stored in: Jars, — Bags.
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ms Poorly sorted muddy fine sand olive in colour, 5% lithic fragments and heavy minerals, slightly larger grain size than the predominant subangular to subrounded quartz grains. Few shell fragments and rare forams. Some large subrounded quartz grains also present.

CORE SAMPLE	Equipment Used: <u>VE</u>	Stored in: <u>2 Cut Cores, — Uncut Cores, 2 Jars, — Bags.</u>
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Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log	
(m)	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0.14</div> <div style="margin-bottom: 5px;">(S)</div> <div style="margin-bottom: 5px;">(S)ms</div> <div style="margin-bottom: 5px;">0.68</div> <div style="margin-bottom: 5px;">M</div> <div style="margin-bottom: 5px;">0.95</div> <div style="margin-bottom: 5px;">S</div> <div style="margin-bottom: 5px;">M</div> <div style="margin-bottom: 5px;">TDI-9m</div> </div>	<p><u>ms</u> as above with gravel grade shell fragments.</p> <p>olive grey well sorted sand with gravel grade shell fragments and one 3cm subrounded flint pebble becoming more muddy and brown to base, possibly less shell also? less sorting in sand 3% lithic fragments med. Hcl reaction but mainly subangular to subrounded qtz fragments.</p> <p>Sharp contact to firm, moderately plastic silty clay, vigorous Hcl reaction + H₂S given off, green to grey in colour SBG 4/1 progressively more silty to base from last 5cm + then into a series of clay laminae and fine sand beds to base of core, becoming more fine sand as base is reached. Some black silt grains in a layer before base of clay unit, these not seen in lowest unit. Clay in lower unit as above.</p> <p>Sand is a well sorted subangular to subrounded quartzose fine sand with 3% lithic fragments - glauconite. No shells or shell fragments seen. Some of the clay laminae are disturbed in lower part where there is more sand.</p>				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0.14</div> <div style="margin-bottom: 5px;">(S)</div> <div style="margin-bottom: 5px;">(S)ms</div> <div style="margin-bottom: 5px;">0.68</div> <div style="margin-bottom: 5px;">M</div> <div style="margin-bottom: 5px;">0.95</div> <div style="margin-bottom: 5px;">S</div> <div style="margin-bottom: 5px;">M</div> <div style="margin-bottom: 5px;">TDI-9m</div> </div>
6					○ shear strength Δ compressive strength	

