

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

59	+φ/	139
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SURFACE SAMPLE	Equipment Used: <i>CS</i>	Seabed Photo: <i>Yes/No</i>	Stored in: <i>1</i> Jars, <i></i> Bags.
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S Poorly sorted fine sand olive in colour with 5% lithic fragments, few forams & some echinoid spines. Mainly subangular to subrounded quartz grains.

CORE SAMPLE	Equipment Used: <i>VE</i>	Stored in: <i>2</i> Cut Cores, <i>—</i> Uncut Cores, <i>—</i> Jars, <i>—</i> Bags.
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Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
(m)	<div style="text-align: center;"> </div>	<p><i>S^{0.13}</i> <i>(9)m S</i> <i>0-30</i> <i>M</i></p> <p>as above with some gravel grade bivalve fragments at the base. Then into a muddy and pebbly sand with a shell hash. Sand is poorly sorted silty to medium grained with 10% shell fragments, 5% lithic fragments some well rounded quartz and st. pebbles and much gravel grade shell debris. occasional rose quartz crystal and echinoid spines but mainly subangular to subrounded quartz grains. Vigorous HCl reaction little H₂S smell</p> <p>Firm silty clay moderately plastic fairly uniform grey colour no shells or pebbles seen. Vigorous reaction with HCl & H₂S given off. Occasional sand size quartz grain seen.</p>			<div style="text-align: right;"> </div>
1					
2					
3					
4					
5					
6					

SAMPLE STATION GEOLOGY

GEOLOGIST
A. Skinner

SAMPLE NUMBER **K** 59+01.139

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT		MUNSELL COLOUR	Sorting Reaction	SAND			MUD		GRAVEL			ABUNDANCE SCALE							Chronostrat	Lithostrat	Unit	Comments											
upper	lower	(Folk class) or main rock type	subordinate rock type			Grain Size Range	Roundness Range	Sphericity	% Shell Material	Hardness	Plasticity	% Shell Material	Max. Clast Size (mm)	Roundness Range	Sphericity	Basal Contact	Bedding	Jointing	H ₂ S Odour	Heavy Minerals					Micas	Claygonite	Fungal/Fossils	Whole & Shells	Forams	Plant Remains					
0:0	0:13	S		5Y4/13	PW	F	S	U	H	I				G																					
0:13	0:30	MS		5Y4/11	PS	S	S	S	L	I				S				A																	
0:30	1:20	M		5Y4/11	MV	S				I								A																	

L dup columns 2-11

DEPTH INTERVAL (m)		Label	ADDITIONAL COMMENTS (FREE TEXT)
upper	lower		
0:0	0:13		SOME GRAVEL GRADE SHELL DEBRIS AT BASE
0:13	0:30		PEBBLES OF QUARTZ AND SBT TO 2CM SIZE MUCH SHELL MASH
0:30	1:20		FIRM SILTY CLAY MODERATELY PLASTIC AND GREY IN COLOUR

SORTING OF TOTAL SAMPLE	HCl REACTION	SAND GRAIN SIZE	ROUNDNESS	SPHERICITY	MUD HARDNESS	MUD PLASTICITY	BASAL CONTACT	BEDDING	JOINTING	H ₂ S ODOUR	ABUNDANCE SCALE	LITHOSTRAT UNIT	COMMENTS
V=very poorly sorted P=poorly sorted M=moderately sorted W=well sorted X=very well sorted	N=no reaction W=weak M=moderate S=strong	S=silt V=very fine F=fine M=medium C=coarse K=very coarse	V=very angular A=angular S=subangular U=subrounded R=rounded W=well rounded	L=low H=high	V=very soft S=soft F=firm T=stiff Y=very stiff H=hard	N=non-plastic L=low plasticity I=intermediate H=highly plastic	G=gradational S=sharp E=erosive U=unconformity	F=flat lamination R=ripple lamination X=cross-bedded C=colour banded G=graded bedding	J=prominent joints D=prominent discontinuities F=fissuring	W=weak M=moderate S=strong A=induced by acid	R=rare C=common A=abundant	G=group F=formation M=member B=bed I=informal	C=additional comments below 1,2 etc = label if more than one comment SHEET _____ OF _____