

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

59	-φ2	2φ2
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SURFACE SAMPLE	Equipment Used: GS	Seabed Photo: Yes/No	Stored in: 1 Jars, Bags.
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(9) S. Shell sand with few gravel grade shell frags. Colour 2.5Y7/4
 Gravel fraction: - Shell frags upto 15mm across.
 Sand fraction: - Very clean, well sorted, medium to coarse shelly sand. Turms common,
 Occ. echinoid spines. Most shell fragments worn. 98% carbonate
 Occ. quartz grains.

CORE SAMPLE	Equipment Used: CS	Stored in: Cut Cores, Uncut Cores, 1 Jars, Bags.
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Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
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Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
(m) 1 2 3 4 5 6		<p>GS. Shell sand with gravel grade shell frags. Very similar to grab sample, but with more gravel grade shell frags. Rare rock frags in sand fraction. Clean sample.</p>			<div style="font-size: small;"> ○ shear strength △ compressive strength </div>

SAMPLE STATION GEOLOGY

GEOLOGIST

N.A.R.

SAMPLE NUMBER

K 159-02 2009

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DEPTH INTERVAL (m)		SEDIMENT (Folk class) or subordinate rock type	MUNSELL COLOUR	Sorting HCT	Reaction	SAND				MUD		GRAVEL				ABUNDANCE SCALE								Chronostrat	Lithostrat	Unit	Comments										
upper	lower					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	Mica	Glaucophane	Faunal/Fossils					Whole Shells	Forams	Plant Remains							
0.25	0.45	(G)S	2.5Y, 7/4	WS		M	K	S	U	L	9.8			1.0	1.5	S	U	L																			
0.45	0.10	FS	2.5Y, 7/4	MS		F	K	S	U	L	9.8			1.0	1.5	S	U	L																			

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DEPTH INTERVAL (m)		Label	ADDITIONAL COMMENTS (FREE TEXT)																							
upper	lower																									

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 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 D=disturbed 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.

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