

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

59	-φ2	137
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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 gravel grade shell fragments. Colour 2.5Y6/4 light yellowish brown.
 Gravel fraction: - Upto 35mm across: whole and broken shell material.
 Sand fraction. Clean fine to v. coarse grade. Lithics 10% 90% shell frags, bryozoans, echinoid spines. Forams common. Quantity fine to med. sub rounded. Strong react: to d.HCl.

CORE SAMPLE	Equipment Used: CS	Stored in: Cut Cores, Uncut Cores, (Jars, Bags.
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Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
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(m)		<p style="text-align: center;">GS over (9)S. 2.5Y6/4</p> <p>Shell sand similar to GS, but more gravel grade shell frags upto 40mm across with occ pebbles, sub angular to sub rounded, 30mm across, rot and metamorphic. Gravel grade material on surface over underlying moderately well sorted shell sand with occ. gravel grade shell frags.</p> <p>Med to coarse grade, but with more fine and coarse material. Forams common.</p>			
1					
2					
3					
4					
5					
6					

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST

N.A.R

SAMPLE NUMBER

K

459-62-137

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT (Folk class) or subordinate rock type		MUNSELL COLOUR	Sorting	HCl Reaction	SAND			MUD		GRAVEL		ABUNDANCE SCALE							Chronostrat	Lithostrat	Unit	Comments									
upper	lower						Grain Size Range	Roundness	Sphericity	% Shell Material	Hardness	Plasticity	% Shell Material	Max. Clast Size (mm)	Roundness	Sphericity	Basal Contact	Bedding	Jointing	H ₂ S Odour	Heavy Minerals	Mica	Glaucophane	Fungal Fossils	Whole Shells	Forams	Plant Remains						
10:00	10:45	(G)S		2.5, 7, 6, 1, 4	PS		FK	S	L	10%	1		10%	3	S	L	X																
10:45	11:10	(G)S		2.5, 7, 6, 1, 4	WS		FK	S	L	10%	1		10%	1	S	L																	

L dup columns 2-11

DEPTH INTERVAL (m)		Label	ADDITIONAL COMMENTS (FREE TEXT)
upper	lower		
10:45	11:10	1	WELL SORTED, MED. SHELL SAND WITH A RARE GRANUL GRADE SHELL
10:45	11:10	2	FRAGMENTS.

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 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 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. SHEET ____ OF ____