

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

+59 -01 105

SURFACE SAMPLE Equipment Used: *GS* Seabed Photo: *Yes/No* Stored in: | Jars, Bags.

(m)S. Slightly silty, well sorted v. fine to med sand. Color Olive 5Y 5/4
 V. rare shell frags - sub angular to sub rounded at v. coarse grade.
 Shell material med/coarse size 15%.
 Lithics, 85%. Mainly quartz grains with some shell frags.
 Occ. forams + echinoid spines.
 Mod to strong reaction with dil HCl.

CORE SAMPLE Equipment Used: *CS* Stored in: Cut Cores, Uncut Cores, | Jars, Bags.

Depth	Log	Description	Core Photo: <i>Yes/No</i>	Sub Samples	Geotechnical Log
(m)					
		<p><i>GS</i> <i>5Y4/3</i></p> <p>Gravelly olive sand with broken shells of gravel grade</p> <p>Sand fraction 70%. Gravel 30%.</p> <p>Gravel: - 95% shell material, mainly broken, angular to sub angular frags, up to 45mm across.</p> <p>Av 10-15mm</p> <p>Occ. sub rounded to rounded pebbles up to 40mm across.</p> <p>Sand fraction similar to GS, but higher carbonate content. 25% shell 75% lithics.</p>			
1					
2					
3					
4					
5					
6					

○ shear strength Δ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST

N. A. R.

SAMPLE NUMBER

K 459-21.105

K dup columns 2-11

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						
12	21	(GMS)	5Y 5/4	ES	S	S	U	L	S				X																						
12	21	GS	5Y 4/3	ES	V	K	S	U	L	2S																									

L dup columns 2-11

DEPTH INTERVAL (m)		label	ADDITIONAL COMMENTS (FREE TEXT)
upper	lower		
12	21		BLK CH. LIM. BIRKBECK SHALES, ARGILL. A. L. M. D. S. T. A. SH. G. K. H. A. S. B. F.

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 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 ____