



# SAMPLE DESCRIPTION SHEET

BRITISH GEOLOGICAL SURVEY — MARINE GEOLOGY UNIT

SAMPLE NO.

+61	-01	58
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SURFACE SAMPLE	Equipment Used: <b>GS</b>	Seabed Photo: <del>Yes</del> /No	Stored in: 1 Jars,      Bags.
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S Sand. V. poorly sorted, v. fine to very coarse. Colour 2.5Y4/4 Olive brown  
 Carbonate, brachiopod shells frags & ooz. forams 10% Lithics 10% Quartz, mica staining 80%  
 sub angular to sub rounded. Mud-stony react - to dil HCl.

CORE SAMPLE	Equipment Used: <b>CS</b>	Stored in: 1 Cut Cores,      Uncut Cores,      Jars,      Bags.
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Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
(m)					
		0.00m - 0.05m on per GS			
		TD 0.41m			
1		0.05m - 0.41m <u>M</u> clay			
		Stiff to very stiff, plastic clay.			
		Colour at top 2.5Y4/2 dark greyish brown changing at about 0.15m to 2.5Y3/N3 very dark grey with dark streaks.			
2		Mud react - with dil HCl H <sub>2</sub> S strong smell induced by acid.			
3					
4					
5					
6					

○ shear strength      Δ compressive strength

# SAMPLE STATION GEOLOGY

GEOLOGIST

N.A.R

SAMPLE NUMBER

K

461-91-58

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				main rock type	subordinate rock type	Grain Size	Roundness	Sphericity	% Shell Material	Hardness	Plasticity	% Shell Material	Max. Clast Size (mm)	Roundness	Sphericity	Basal Contact	Bedding	Jointing	H <sub>2</sub> S Odour	Heavy Minerals	Mica					Glauconite	Fossiliferous	Whole Shells	Forams	Plant Remains						
12-21	0.15	0.25	S		V	2.5Y4/1.4	V	K	S	L	1.0																											
	0.45	0.95	M			2.5Y4/2																																
	0.15	0.41	M			N3/1																																

L dup columns 2-11

DEPTH INTERVAL (m)	ADDITIONAL COMMENTS (FREE TEXT)																	
upper	lower																	
12-21	0.15	0.41	SOME DARK STRIATIONS ? SULPHIDES															

SORTING OF TOTAL SAMPLE	HCl REACTION	SAND GRAIN SIZE	ROUNDNESS	SPHERICITY	MUD HARDNESS	MUD PLASTICITY	BASAL CONTACT	BEDDING	JOINTING	H <sub>2</sub> 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 ____