



# SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

+59	-01	176
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**SURFACE SAMPLE**

Equipment Used: *GS*

Seabed Photo: Yes/No

Stored in: | Jars, Bags.

*S* fine sand, olive, v. sl. muddy.

**CORE SAMPLE**

Equipment Used: *VE*

Stored in: *3* Cut Cores, Uncut Cores, Jars, Bags.

Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
(m)					
0.25		<i>Surface Sand</i>			
1		<i>Muddy layer, dk grey, v. shelly at top</i>			
0.90		<i>pink sandy unit, coarse and gravelly at top, finer and slightly muddy in lower part</i>			
2		<i>2.00</i> <i>compact dk grey <sup>fine</sup> sand with sulphides.</i>			
3					
4					
5					
6					

○ shear strength    Δ compressive strength

# SAMPLE STATION GEOLOGY

GEOLOGIST

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SAMPLE NUMBER

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59-01 176

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT		MUNSELL COLOUR	Sorting HCl 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. Class Size (mm)	Roundness Range	Sphericity	Basal Contact	Bedding	Jointing	H <sub>2</sub> S Odour	Heavy Minerals	Mica	Glauconite				Faunal Fossils	Whole Shells	Fossils	Plant Remains	Chronostrat	Lithostrat				
0:00	0:25	S		5Y4/4	WM					24																									
0:25	0:70	(S)M		10YR3/3	PM					V																									
0:70	2:00	(S)S		5YR5/4	PM																														
2:00	3:10	(M)S		10YR4/2	WM					SV																									

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DEPTH INTERVAL (m)		Label	ADDITIONAL COMMENTS (FREE TEXT)
upper	lower		
0:00	0:25	1	SH. P. EK. V. SL. MUDDY, BECOMES MORE COHESIVE DOWNWARDS, RATHER
0:00	0:25	2	SHELLY, NEAR BASE
0:25	0:70	1	QUITE SHELLY, NEAR TOP, FEW SHELLS, IN LOWER HALF. SOME PINK
0:25	0:90	2	UNIT. BEDS, NEAR BASE
0:90	2:00	1	TOP HALF OF UNIT, COARSE AND SANDY, LOWER HALF SL. MUDDY SAND.
2:00	2:00	2	IMCL. A MUD LUMP
2:00	3:10	1	H <sub>2</sub> S, WITH ACID, FROM BLACKISH, IRREG DISTRIBUTED SULPHIDES.
2:00	3:10	2	COMPACT, COHESIVE

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 ____