

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

59	00	214
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SURFACE SAMPLE	Equipment Used: <i>GS</i>	Seabed Photo: Yes /No	Stored in: 1 Jars, Bags.
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Sand, size 5/413, bimodal v. fine grained quartz sand and medium grained quartz and rock fragments, usu. metamorphic. Forams common, echinoid spines, scaphopods

CORE SAMPLE	Equipment Used: <i>VE</i>	Stored in: 3 Cut Cores, Uncut Cores , 1 Jars, Bags.
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Depth	Log	Description	Core Photo: Yes/ No	Sub Samples	Geotechnical Log
(m)					
0.20		Sand c/a with shell fragments up to 30mm.			
0.69		Gravelly shelly pebbly coarse sand with well-rounded black pebbles and several whole shells incl <i>Mya truncata</i>			
0.85		- Transitional unit			
1		Sandy mud, soft, grey, weak reaction with HCl			
1.65					
2		Slightly pebbly mud with shell frags well-rounded, very stiff to stiff, softer ("firm") at top of unit			
2.55		TD			
3					
4					
5					
6					

MOIST CONT @
 1.80 m
 2.00 m
 2.20 m
 2.40 m

○ shear strength △ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST

Alan Fyfe

SAMPLE NUMBER

K

159 + 00 214

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT (Folk class) or subordinate rock type	MUNSELL COLOUR	Sorting	SAND Grain Size Range	MUD Hardness	GRAVEL % Shell Material	Basal Contact	Bedding	Jointing	H ₂ S Odour	Heavy Minerals	Fossils	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
upper	lower																	
0.20	0.25	(G) S	5Y4/3	M	VMSU		1.00	3.0	G									
0.25	0.49	GS	5Y5/2	PS	CKSR	1.5		6.6	3.5R	S								
0.49	0.85	(G) MS	5Y4/1	PS	FC					S								
0.85	1.65	S.M	5Y4/1	PS	FMSU	V.S.N.				G								
1.65	2.55	(G) M	5Y4/1	PS		TYLI	6.6	2.0R										

L dup columns 2-11

DEPTH INTERVAL (m)		Label	ADDITIONAL COMMENTS (FREE TEXT)
upper	lower		
0.20	0.69		INCL. IMYA, TRUNCATA
0.69	0.85		TRANSITIONAL UNIT.

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 C=colour banded G=graded bedding	J=prominent joints D=prominent discontinuities F=fracturing	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 ____