

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

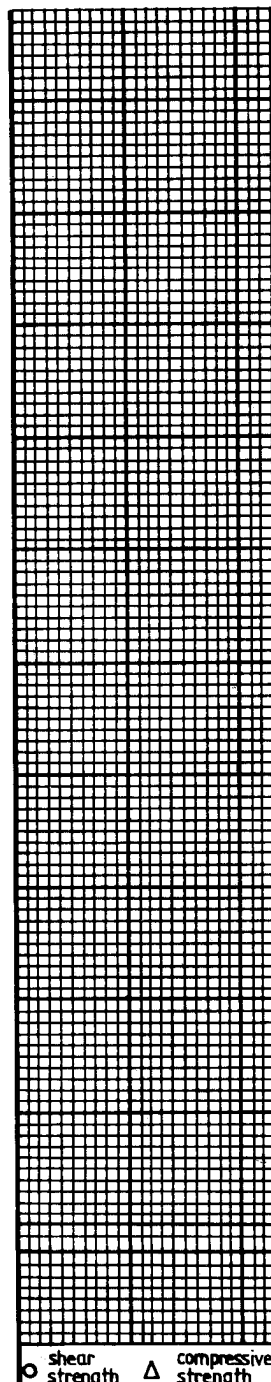
SAMPLE NO.

59	02	143
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SURFACE SAMPLE	Equipment Used: <u>GS</u>	Seabed Photo: <u>Yes/No</u>	Stored in: <u>1</u> Jars, <u> </u> Bags.
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GS Shelly gravelly sand in which gravel grade is all shell debris with minor granules of lithic fragment. Sand fraction is poorly sorted with 35% shell debris - remainder subangular to subrounded quartz grains with minor lithic fragments - heavy minerals. Forams, bryozoan fragments & echinoderm spines common.

CORE SAMPLE	Equipment Used: <u>CS</u>	Stored in: <input checked="" type="checkbox"/> Cut Cores, <input checked="" type="checkbox"/> Uncut Cores, <u>1</u> Jars, <u> </u> Bags.
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Depth	Log	Description	Core Photo: <u>Yes/No</u>	Sub Samples	Geotechnical Log
(m)		<p><u>GS</u> Red SST. 0.15 MD <u>as above</u>.</p> <p>0.10 - 0.15</p> <p>Moderately well sorted medium to fine grained red brown sandstone with a vigorous HCl reaction. Partly mottled and with minor lithic fragments. Suggestion of minor calcite veining.</p> <p>Possibly Pennsylv.</p>			
1					
2					
3					
4					
5					
6					

SAMPLE STATION GEOLOGY

GEOLOGIST *Aes*

SAMPLE NUMBER **K** 59-02-143

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT (Folk class) or subordinate rock type		MUNSELL COLOUR	Sorting	SAND			MUD		GRAVEL			ABUNDANCE SCALE										Unit	Comments						
upper	lower	main rock type	subordinate rock type		HCI Reaction	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	Glauconite	Fossils/Forams	White Shells	Plant Remains	Chronostrat	Lithostrat	Unit	Comments		
12	15	GS		2.5Y6/14	P	M	K	S	L	35			1.0	2.5	S																
15	18	SDST		5YR5/4	MS	M	S	R																							

L dup columns 2-11

DEPTH INTERVAL (m)		Label	ADDITIONAL COMMENTS (FREE TEXT)
upper	lower		
12	15	1	SOME LUMINE BIVALVES AND PELETON SHELLS COMMON
15	18	2	RED BROWN SANDSTONE LOOKS SLIGHTLY MODIFIED

SORTING OF TOTAL SAMPLE	HCI 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 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 1,2etc = label if more than one comment SHEET <u>1</u> OF <u>1</u>