

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

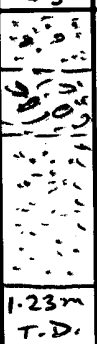
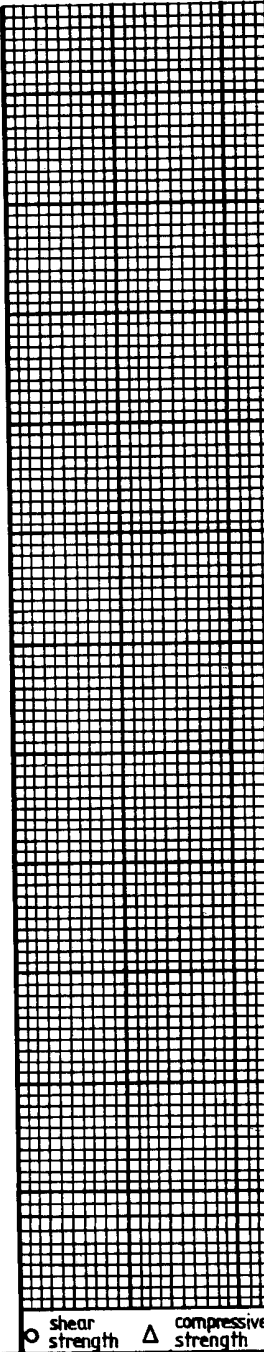
SAMPLE NO.

59	+01	179
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SURFACE SAMPLE	Equipment Used:	Seabed Photo: Yes/No	Stored in: Jars, Bags.
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No Grab sample - Same locality as 59+01 178GS

CORE SAMPLE	Equipment Used: <i>VE</i>	Stored in: <i>3</i> Cut Cores, —Uncut Cores, —Jars, —Bags.
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Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
(m)		<p><i>S</i> Poorly sorted fine med olive sand with some gravel grade shell fragments, 5% lithic fragments, 3% shell fragments. Some rose quartz mainly subangular to subrounded quartz grains.</p> <p><i>S</i> muddy sandy shell hash with pebbles up to 7cm across - mainly of grains - well rounded pebbles. Shell mainly broken bivalve fragments. Sand is quartzose, subangular to subrounded grain.</p> <p style="text-align: center;"><u>CORE 59 + 01 178 FROM SAME LOCALITY REACHES THIS LEVEL</u></p> <p>Well sorted fine quartzose sand, light grey in colour and thixotropic especially towards the base. 7% lithic fragments and glauconite, occasional gravel grade shell fragment - but otherwise a good clean sand with subangular to subrounded quartz grains.</p>			
1	1-23m T.D.				
2					
3					
4					
5					
6					

○ shear strength △ compressive strength

SAMPLE STATION GEOLOGY

GEOLOGIST
A. SKINNER

SAMPLE NUMBER

K *59101.179*

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT (Folk class) or main rock type	subordinate rock type	MUNSELL COLOUR	Sorting F ₁ C ₁ Reaction	SAND				MUD		GRAVEL			ABUNDANCE SCALE					Chronostrat	Lithostrat	Unit	Comments														
upper	lower					Grain Size Range	Roundness	Sphericity	% Shell Material	Hard-Plast-ness	icity	% Shell Material	Max. Clast Size (mm)	Roundness Range	Sphericity	Basal Contact	Bedding	Jointing	H ₂ S Odour					Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains							
<i>0.6</i>	<i>0.28</i>	<i>S</i>		<i>5Y 4/3</i>	<i>M</i>	<i>FMS</i>	<i>S</i>	<i>H</i>	<i>3</i>			<i>1.0</i>	<i>2.0</i>																								
<i>0.28</i>	<i>0.58</i>	<i>S</i>		<i>5Y 4/2</i>	<i>M</i>	<i>FMS</i>	<i>S</i>	<i>H</i>	<i>1.5</i>			<i>8.0</i>	<i>7.0</i>																								
<i>0.58</i>	<i>1.23</i>	<i>S</i>		<i>5Y 5.5/1</i>	<i>W</i>	<i>F</i>	<i>S</i>	<i>H</i>	<i>1</i>			<i>1.0</i>																									

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DEPTH INTERVAL (m)		Label	ADDITIONAL COMMENTS (FREE TEXT)
upper	lower		
<i>0.6</i>	<i>0.28</i>		<i>SAND MORE THIXOTROPIC TO BASE</i>
<i>0.28</i>	<i>0.58</i>		<i>SHELLY AND PEBBLY VERSION OF ABOVE, PEBBLES OF FINESS</i>
<i>0.58</i>	<i>1.23</i>		<i>SAND MORE THIXOTROPIC TO BASE</i>

SORTING OF TOTAL SAMPLE	HCl REACTION	SAND GRAIN SIZE	ROUNDNESS	SPHERICITY	MUD HARDNESS	MUD PLASTICITY	BASAL CONTACT	BEDDING	Jointing	H ₂ S ODLOUR	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 _____