

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

+59 -02 193

SURFACE SAMPLE Equipment Used: GS Seabed Photo: Yes/No Stored in: | Jars, | Bags.

SG Very poorly sorted, slightly muddy, fine - v. coarse sandy, shelly gravel - Light olive brown 2.5/5/4.
 Sand fraction: 90% shell frags., angular-subang, low sphericity. Whole shells rare, often bored. Terrigenous component consists quartz, subang - rounded, low to high sphericity and lithics sub angular, low sphericity.
 Gravel fraction: 60% shell frags., subangular, low sphericity. Lithic pebbles up to 70mm subang - rounded, low sphericity.

CORE SAMPLE Equipment Used: CS/CR Stored in: Cut Cores, Uncut Cores, | Jars, | Bags.

Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
(m) 1 2 3 4 5 6		<p><u>CR</u> Abundant fragments of soft, weathered, grey schist mixed with gravelly shelly sand which varies in colour from olive brown (a/u) to red-brown (SR4/3) Uncertain if schist is weathered bedrock or not?</p> <p><u>CS</u> Two pebbles - one of which is dk grey schist. Pebbles (up to 60mm max dia) are subrounded, low sphericity. Schist pebble is fresh on broken surface. Both pebbles are encrusted with shell, etc + plant debris on outer weathered surface. Uncertain what the relationship is between CS and CR sample; the schist in particular. (Pebbles put in bag sample + included in jar for CR).</p>			

SAMPLE STATION GEOLOGY

GEOLOGIST
MS

SAMPLE NUMBER

K 159-02.193

K dup columns 2-11

DEPTH INTERVAL (m)		SEDIMENT (Folk class) or main rock type	subordinate rock type	MUNSELL COLOUR	Sorting HCl Reaction	SAND			MUD		GRAVEL		ABUNDANCE SCALE					Chronostrat	Lithostrat	Unit	Comments																
upper	lower					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	Glaucanite	Faunal/Fossiliferous	Whole Shells	Forams	Plant Remains								
0:00	0:10	SG		2-5Y5/4	VS	FK	AR	L	90			60	70	S	R	L																					
0:10	0:15	SCHL																																			

L dup columns 2-11

DEPTH INTERVAL (m)		Label	ADDITIONAL COMMENTS (FREE TEXT)
upper	lower		
0:10	0:15	1	ABUNDANT FRAGMENTS OF SOFT WEATHERED GREY SCHIST MIXED W/IT
0:10	0:15	2	H. GRAVELLY, SHELLY SAND (Olive-brown to red-brown), GR SAND
0:10	0:15	3	LG
0:10	0:15	1	IND. PEBBLE FROM CS ONE OF PEBBLES OF DARK GREY SCHIST VERY
0:10	0:10	2	FRESH ON BROKEN SURFACE
0:10	0:15	1	UNCERTAIN WHETHER SOFT SCHIST IS WEATHERED BEDROCK OR MAYB
0:10	0:15	2	E. WEATHERED COBBLE?

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=no-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 _____