



# SAMPLE DESCRIPTION SHEET

BRITISH GEOLOGICAL SURVEY — MARINE GEOLOGY UNIT

SAMPLE NO.

+61 - 01 41

**SURFACE SAMPLE**

Equipment Used: *GS*

Seabed Photo: *Yes/No*

Stored in: Jars, Bags.

*S* Moderately sorted, fine to very coarse, shelly sand with occasional lithics and shell fragments of granule grade.  
 Carbonate content c. 98%: mostly shell debris with occasional whole shells.  
 Terrigenous component: minor quartz and lithics.  
 Greyish brown 2-5Y 4/2.  
 Explosive reaction to HCl.

**CORE SAMPLE**

Equipment Used: *VE*

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

Depth

Log

Description

Core Photo: *Yes/No*

Sub Samples

Geotechnical Log

(m)



General upwards-fining sequence: predominantly coarse quartz and lithic gravel at base passing up into (slightly gravelly) shelly sand and s/s at top. Sequence is capped by a very thin mud/clay layer 1-2mm thick.

Shell content increases up core.

Upper sand unit has a distinct coarser gravelly sand layer near its base.

Lithic clast types include quartzite, gneiss and metabasalt.

Gravelly unit is very loosely packed, but sand is very dense and firm.

Sand varies from light yellowish brown (2-5Y 6/4) at base of unit to greyish brown (2-5Y 5/2)

○ shear strength    Δ compressive strength

