

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

59	-φ1	117
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SURFACE SAMPLE	Equipment Used: <u>GS</u>	Seabed Photo: Yes /No	Stored in: Jars, Bags.
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MGS Moderately sorted, slightly gravelly, v.fine - fine sand, slightly muddy.
 Olive 5/4/3
 Sand fraction: 20% shell frags (inc. whole foram tests), angular, low sphericity.
 Terrigenous component dominantly quartz, subangular-rounded, low-high sphericity, lithic fragments, angular-subangular, low sphericity, include mica.
 Gravel fraction: 9.9% shell frags up to 50mm length, angular, low sphericity.

Sand fraction is well sorted; overall sample moderately sorted.

CORE SAMPLE	Equipment Used: <u>CS</u>	Stored in: Cut Cores, Uncut Cores, Jars, Bags.
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Depth (m)	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
	(A)	0.50 - 0.18			
	(B)	0.18 - 0.26			
	(C)	0.26 - 0.40			
1	(A)	MGS ova. but include > large pebble of v. coarse sandstone/englemente 45mm dia, subrounded, med. sphericity.			
2	(B)	0.18 - 0.26. Mixite (MSG) Very poorly sorted, v. fine - v. coarse sandy, muddy, shelly gravel. Pk. red grey 5YR 4/2 to olive 5Y 4/3 (mixture). Sand fraction: 2% shell frags. Terrigenous component dominantly quartz, subang-rounded, low-high sphericity. Gravel fraction: 7% shell frags, ang., low sphericity. Lithic clasts, angular, ^{to subred} faceted, low sphericity. Clasts up to 40mm.			
3	(C)	Sst ^{quartzose} Pink-white, slightly pebbly, medium-coarse, moderately sorted sandstone. Mica common. Red/pink colour due to Fe staining.			
4		Quartzose grains subang. - rounded, low sphericity. Enclosed in carbonate cement. Moderate reaction to HCl. <u>Bedrock? P-T?</u>			
5					
6					

○ shear strength Δ compressive strength

Project: REGIONAL GEOLOGICAL MAPPING		Job Sample No.: 59-01 117
Client: BGS/DEN		BGS Sample No.: 59-01 117
Lat. 59deg 40.5'N Long. 00deg 54.0'W		Sample Type:CS
Decca 6C A1.4 C37.08 E62.05		Water Depth(m):130
UTM:		KP:
DCC:		
Depth Metres	Legend	Lithological Description and tests
0.50		0.00to 0.18m. SAND_GRAVEL Moderately sorted, slightly gravelly, very fine-fine, slightly muddy (one large pebble of very coarse sandstone/conglomerate 45mm diam, subrounded, medium sphericity) Sand fraction: 20% shell fragments (inc. whole foram tests), angular, low sphericity. Terrigenous component dominately quartz, subangular-rounded, low- high sphericity. Lithic fragments, angular-subangular, low sphericity, include mica. Gravel fraction: 99% shell fragments upto 50mm length, angular, low sphericity. Sand is well sorted COLOUR: 5Y 4/3 Olive SHEAR STRENGTH: COMPRESSIVE STRENGTH: OTHER REMARKS:
2.50		0.18to 0.26m. GRAVEL SAND Very poorly sorted, very fine-very coarse. Sand fraction: 20% shell fragments. Terrigenous component dominately quartz, subangular-rounded, low-high sphericity. Gravel fraction: 7% shell fragments, angular, low sphericity. Lithic clasts, angular- subrounded, low sphericity. Clasts upto 40mm. COLOUR: 5YR4/2 to 5Y4/3 Dark red grey to Olive SHEAR STRENGTH: COMPRESSIVE STRENGTH: OTHER REMARKS:
4.50		0.26to 0.40m. SANDSTONE Quartzose, slightly pebbly, medium-coarse, moderately sorted. Mica common. Red/pink colour due to iron staining. Quartz grains subangular-rounded, low sphericity. Enclosed in a carbonate cement. Moderate reaction to HCl. COLOUR: Pink-White SHEAR STRENGTH: COMPRESSIVE STRENGTH: OTHER REMARKS: ?Bedrock ?Permo-Triassic
End of hole at 0.40 metres.		
Scale: 1:50		Logged By: BGS Marine Geology & Operations
Core Tests:		
Reports:		
References:		
Core Status: Cut:Y Photo:N Shoe Sample:Y		
Contractor: BGS Job No.: 82/WH/05 Date: 21.06.82 2043		
Remarks:		
Last Update:25.05.95		