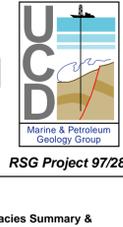


BOREHOLE - 83/20-sb01

ENCLOSURE: 3

SCALE 1:40



For key refer to separate sheet

Provisional Stratigraphy	Samples	Depth (m) from seabed	Core/Box No.	Fractures	Comments	Lithology	Grain Size & Sedimentary Structures				Trends	Remarks	Lithofacies Summary & Depositional Environment					
							Mudrock	Sand	Conglom.	Other			Project 9728 Sample Nos.	Remarks	Depth (m)			
Pliocene		33.70																
		34	1								homogeneous, pale yellow-grey, foram ooze, no obvious internal structure. soft and sticky, locally slumped, rare mudclasts.		33.70 m					
		35	2								caved pebbles and granules smeared to sides of core (caved). mostly weakly calcareous, common planktonic foraminifera.							
		36	3								Interpretation: 3.0m thick of soft, sticky, widely calcareous, light greenish grey to yellow grey, homogeneous silty clay with common planktonic foraminifera. Bedding and sedimentary structures are poorly developed with subtle bioturbation mottling towards the base, where there is also a faint lamination/colour banding and subtle irregularities in proportions of foraminifera to clay.							
		37.00									soft and sticky, indistinguishable from overlying boxes.							
		37.00									slightly greyer; richer in forams (mainly forams) towards base.							
Pliocene		63.75																
		64	5								heavily slumped by coneing process, internal details difficult to discern.							
		65	6								variably calcareous, no obvious structure.							
		66	7								brown mottling, probably reflecting bioturbation.							
		67.00									foraminifera tests less abundant?							
		68	8								distinct browner bed, enriched in silt and clay. Lower contact inclined?							
		69	9								possible Zonitiform burrow carbonaceous flecks. Small burrows have lighter fills.							
		70.00									sharp contact brown clay-prone unit on pelagic carbonate.							
Mid Miocene		83.29																
		84	10								stiffer, more granular than overlying section, inclined burrow, with spreiten.							
		85	11								indistinct bioturbation mottling picked out by brown patches.							
		86	12								becoming more poorly consolidated, less granular, downwards.							
		86.60									ferrous calcareous sandstone with granules in cracks, filling concave Fe-laminations. Core piece intact?							
		87	13								micritic limestone clast or nodule? strong colour mottling, pale orange with brown-black blotches.							
		88	14															
		89	15															
		90	16															
		91	17															
		92	18															
	Late Campanian - Maastrichtian		103.00															
		104	19															
		105	20															
		106	21															
		107	22															
		108	23															
		109	24															
		110	25															
		111	26															
		112	27															
Santonian		123.30																
		124	28															
		125	29															
		126	30															
		127	31															
		128	32															
		129	33															
		130	34															
		131	35															
		132	36															
Coniacian? to Turonian		133.00																
		134	37															
		135	38															
		136	39															
		137	40															
		138	41															
		139	42															
		140	43															
		141	44															
		142	45															
Albanian to Cenomanian		143.00																
		144	46															
		145	47															
		146	48															
		147	49															
		148	50															
		149	51															
		150	52															
		151	53															
		152	54															
Undifferentiated? Lower Cretaceous		153.00																
		154	55															
		155	56															
		156	57															
		157	58															
		158	59															
		159	60															
		160	61															
		161	62															
		162	63															
7 Jurassic		163.00																
		164	64															
		165	65															
		166	66															
		167	67															
		168	68															
		169	69															
		170	70															
		171	71															
		172	72															

Interpretation by: Peter Houghton and Lawrence Amy
Drawn by: Louise Ginn, BA Geology rapchics

This project, including data and survey results acquired for the purpose, has been undertaken on behalf of the Rockall Studies Group (RSG) of the Irish Petroleum Infrastructure Programme Group 2 which was established by the Petroleum Affairs Division of the Department of the Marine and Natural Resources on 4 June, 1997 in conjunction with the award of exploration licences under the Rockall Trough Frontier Licensing Round. The RSG comprises: Agip (UK) Ltd, Anadarko Ireland Company, ARCO Ireland Offshore Inc, BG Exploration & Production Ltd, B.P. Exploration Operating Company Ltd, British-Borneo International Ltd, Elf Petroleum Ireland B.V., Enterprise Oil plc, Mobil Oil North Sea Ltd, Murphy Ireland Offshore Ltd, Phillips Petroleum Exploration Ireland, Saga Petroleum Ireland Ltd, Shell EP Ireland B.V., Statoil Exploration (Ireland) Ltd, Total Oil Marine plc, Union Texas Petroleum Ltd, and the Petroleum Affairs Division of the Department of the Marine and Natural Resources.