



RESIDUE LITHOLOGY

PALEO-ENVIRONMENT ASSESSMENT

DEPTH in METRES of sidewall cores = + & ditch cuttings = α

MAJOR COMPONENTS		MINOR COMPONENTS		ENVIRONMENT ASSESSMENT	
f: calcarenite ±: biomicrite & calc. silsts. L: limonitic pellets. & clay after glauc G: glauconite .-.: f qtz silty sdst ΔV: impact fract. & pitted qtz =: indurated silty sdst P: pyrite .0-: polymodal qtz clayey/silty sdst		pyrite - ? biogenic limonitic clay carbonaceous material c-f ang-subrd qtz c-m round qtz pebble qtz & rock frags mica glauc fossil moulds glauc pellets ? siderite gastropods pelecypods fish fragments ostracods echinoid spines worn bryozoa siliceous sponge spicules Foram Count Plank Foram %		Non Marine DELTA COMPLEX BARRIER/DUNE SYSTEM LAGOON/ESTUARY (<10m) ESTUARY-INNER SHELF (10-40m) MID-OUTER SHELF (40-200m) SHELF/SLOPE BREAK (≈200m) UPPER SLOPE (<400m)	
1343.5+	*****			500	90
1370.0+	*****	C	r	250	98
1390.0+	*****			500	95
Sample gap					
1881.0+	*****			100	90
1890.0+	*****			100	95
1898.5+	*****			250	95
1918.0+	*****	A		1000	95
2075-90α	*****		A	1000	95
2189.0+	*****		r	1000	95
2197.0+	*****			500	95
2204.0+	*****	r	r	1000	98
2211.0+	*****	r	A	?	?
2220.0+	*****	A		500	95
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2253.0+	f f f f f		A A	500	90
2270.5+	***** G			2000	95
2275.0+	***** G	A		1000	95
2276.5+	***** G		A	1000	95
2278.0+	***** LG	A	A	500	10
2279.5+	..... LLLLLL	A	A	50	20
2282.0+	.....	A		?	?
2287.0+	.0- .0- LLLLLLLLLL		A A A A A A	2100	260
2293.0+	.0- .0- LLLLLLLLLL		A	nil	-
2304.5+	.0- .0- LLLLLLLLLL		A A A	20	100
2328.5+	..... GGGGGG	A	A	2	100
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2334.5+	ΔV ΔV ΔV ΔV ΔV PP				
2339.0+	ΔV ΔV ΔV ΔV ΔV ΔV	A	C		
2354.0+	ΔV ΔV ΔV ΔV ΔV ΔV		r	NO FOSSILS	
2359.0+	ΔV ΔV ΔV ΔV ΔV ΔV	r	r	FOUND	
2369.0+	ΔV ΔV ΔV ΔV ΔV ΔV	r			
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2378.0+	.0- .0- .0- .0- .0		r		
2382.0+	.0- .0- .0- .0- .0				
2390.5+	.0- .0- .0- .0- ==			NO FOSSILS	
2406.5+	.0- .0- .0- .0- ==				
2454.0+	*****		A	FOUND	
2514.0+	.0- .0- .0- .0- PP				
2529.0+	.0- .0- .0- .0- .0	A	A		
2548.0+	.0- .0- .0- .0- .-				
2556.0+	.0- .0- .0- .0- .-	r	A		

SLUMPING

2242

2278

2333

2372

A = abundant 1-5% total grains ¶ Paleo-water depth estimates in parenthesis.  
 C = common <20 grains  
 r = rare

TABLE 3: RESIDUE GRAIN ANALYSIS & PALEOENVIRONMENTAL ASSESSMENT -

EDINA # 1.

David Taylor, 16/12/82.