

British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL								Site Nottinghamshire/ Derbyshire COA NMCS2 Upgrade	
cachine: Casing Diamete				Ground Level (mOD) 87.59			Client Highways Agency	Job Number F11451	
					Dates		Engineer WSP Environmental Ltd	Sheet	
ethod:			5167.41	167.41 E 369019.03 N		5/09/1999- 5/09/1999		1/2	
epth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend
-0.70					D01 0 blows			MADE GROUND: Grey slightly sandy medium and coarse	
/							(0.70)	angular gravel sized fragments of limestone.	
	64	9	0	99	3,6/7,11,10,12	86.89	0.70	Grey thinly laminated subhorizontal slightly and moderately	
0-0.80 0-1.25					D02 0 blows SPT N=40			Grey thinly laminated subhorizontal slightly and moderately weathered MUDSTONE, weak locally moderately weak with extremely closely and very closely spaced subhorizontal	
i							=	and random fractures open and tight smooth planar and irregular clay smeared. (Coal Measures)	
	87	59	0	25			_		
-2.38					13,11/13,16,21,0 SPT 50/225		<u> </u>		
	67	33	18	25	9,16/17,10,11,11		_		
-3.45					SPT 25*/145 N=49				
							(5.30)		
							=		
4.45	100	53	0	25	3,8/9,13,16,13 SPT 51/295				
	100	49	0	9	4,11/33,17,0,0				
-5.24					SPT 50/90				
			0	99					
	100	100	46	6			E		
1	,,,,,			_	_	81.59	6.00	Light grey thinly and medium bedded subhorizontal slightly	
	89	85	70	8				weathered silty fossiliferous MUDSTONE, moderately weak with closely and medium spaced subhorizontal to inclined	
							(1.00)	fractures open rough irregular. (Coal Measures)	
5									
						80.59	7.00	Grey thinly laminated thinly and medium bedded subhorizontal moderately weathered MUDSTONE, weak	
	82	3	0	99				locally moderately weak closely and medium spaced subhorizontal fractures open rough irregular. (Coal	
								Measures)	
								from 7.75m becomes dark grey carbonaceous mudstone	
							(2.40)	from 8.20m to 9.40m with occasional coarse gravel	
		0.4						from 8.20m to 9.40m with occasional coarse gravel sized ironstone nodules, mudstone becomes highly weathered with extremely closely spaced random fractures tight smooth irregular	
	83	21	9	3				-	
								from 8.90m to 9.40m fractures become open, clay smeared	
					_	78.19	9.40	Dark grey thinly laminated subhorizontal thinly bedded	
			0	99			(0.40)	subhorizontal slightly weathered carbonaceous MUDSTONE, weak and moderately weak with closely and	
5			0	25			E_	very closely spaced subhorizontal fractures open smooth	
narks ispection	n pit excava	ited to 0.	80m. 2. E	Borehole	complete at 12.00m.	3. Boreho	ole backfilled w	vith arisings. 4. Marker Post Ref 230/7 -50S. Scale (approx	Logge
•	*				•			(6)	. -
								1:50	NBR
								Figure	NO.



	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL							Site Nottinghamshire/ Derbyshire COA NMCS2 Upgrade	Borehole Number M42	
Machine: Flush :					er	Ground Level (mOD) 87.59		Client Highways Agency		ber 151
Core Dia: mm Method :			Locatio		E 369019.03 N	Dates 15/09/1999- 16/09/1999		Engineer WSP Environmental Ltd	Sheet 2/2	
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness	Description	Legen	Water
55)			0	98		77.79 77.54	(0.25) 9.80 10.05 (0.60)			
10.65 10.85	100	0	0	0	15/09/1999:10.30m	76.94		Grey thinly laminated subhorizontal thinly and medium bedded subhorizontal highly weathered MUDSTONE, very weak and weak with extremely closely spaced subhorizontal and random fractures tight smooth irregular and planar clay smeared. (Coal Measures)		
							(1.35)	Firm to stiff grey indistinctly thinly laminated CLAY with occasional fine subangular mudstone lithorelicts. (Completely Weathered Mudstone) —from 11.50m becomes stiff		
			B	55)	16/09/1999:100000 16/09/1999:	0.00m ^{5.59}	12.00	Complete at 12.00m		
						(e				
			(B)	50)				(BGS)		
						(e			(
Remarks				6			<u>-</u>	Scale (approx		
								1:50 Figure	NBF	}