

PROJECT NO.		ID.		FED. NO.		CO.		FIELD SUPERV.				
6.529005T		R-2610A		N/A		Chatham		D. Hardister				
SITE DESCRIPTION Site 1: Bridge on SBL US 421 over AC&WR								GROUND WATER (m)				
BORING NO. B1-A		BORING LOCATION 17+98.3		OFFSET 16.3m LT		ALIGNMENT -L-		0 HR. N/M				
COLLAR ELEV. 83.61 m		TOTAL DEPTH 19.46 m		NORTHING 200634.916		EASTING 583113.273		24 HR. 2.50				
DRILL MACHINE CME 550x		DRILL METHOD HSA/NQ Wireline		HAMMER TYPE Automatic		FINAL CASING DEPTH 11.00 m						
DATE STARTED 10/17/02		COMPLETED 10/18/02		DRILLING FLUID DENSITY Pond Water		SURFACE WATER DEPTH N/A						
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm	0	20	40	60	80			
83.61	0.00				Ground Surface Elev. 83.61 m							
	1.07	4	6	8								Residual-Stiff to Very Stiff Orange-Brown to Tan-Grey Fine Sandy Silty CLAY (A-7-5)
	2.59	6	8	10								
	4.12	5	8	12								Residual-Very Stiff Tan-Brown-Black Carbonaceous Fine Sandy SILT (A-5)
	5.64	12	24	32								Residual-Very Dense Black Carbonaceous Silty Coarse to Fine SAND (A-2-4)
	7.16	42	58/13									Weathered Rock-Grey-Black, Black, and Grey Weathered Carbonaceous Triassic Mudstone
	8.69	100/08										
	10.21	21	79/11									
	11.61	100/12										Weathered Rock-Black and Grey-Black Severely Weathered Medium Hard Moderately Indurated Carbonaceous Triassic Mudstone with Very Close Fracture Spacing
	13.13	100/14										Residual-Grey-Black Carbonaceous Fine Sandy SILT (A-4)
	14.65	39	61/09									Weathered Rock-Black Severely Weathered Medium Hard Moderately Indurated Carbonaceous Triassic Mudstone with Close and Very Close Fracture Spacing and Thin Seams of Non-Crystalline Rock
	16.17	37	50	44								Residual-Grey-Black Carbonaceous Fine Sandy SILT (A-4)
	17.69	21	31	28								Weathered Rock-Grey-Black Severely Weathered Medium Hard Moderately Indurated Carbonaceous Triassic Mudstone with Close and Very Close Fracture Spacing and Thin Seams of Non-Crystalline Rock
												Residual-Hard Grey Fine Sandy SILT (A-4)
												Weathered Rock-Grey Severely Weathered Soft Friable Carbonaceous Triassic Mudstone with Close and Very Close Fracture Spacing
												Residual-Hard Grey Fine Sandy SILT (A-4)

NCDOT_BORE11X17_GR020409.GPJ_NCDOT2.GDT_1/7/03

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DATE STARTED 10/17/02		COMPLETED 10/18/02		DRILLING FLUID DENSITY Pond Water		SURFACE WATER DEPTH N/A							
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
	19.21	40	60/10										Weathered Rock-Black Severely Weathered Soft Friable Carbonaceous Triassic Mudstone with Very Close Fracture Spacing
	64												Weathered Rock-Black Weathered Carbonaceous Triassic Mudstone Boring Terminated @ Elev. 64.15m in Weathered Rock (Triassic Mudstone)

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