

PROJECT NO.	6.529005T	ID.	R-2610A	FED. NO.	N/A	CO.	Chatham	FIELD SUPERV.	D. Hardister					
SITE DESCRIPTION								GROUND WATER (m)						
Site 1: Bridge on SBL US 421 over AC&WR								0 HR.	N/M					
BORING NO.	B1-B	BORING LOCATION	17+97.4	OFFSET	6.5m LT	ALIGNMENT	-L-	24 HR.	3.40					
COLLAR ELEV.	83.51 m	TOTAL DEPTH	26.18 m	NORTHING	200642.046	EASTING	583119.991							
DRILL MACHINE	CME 550x	DRILL METHOD	HSA/NQ Wireline	HAMMER TYPE	Automatic	FINAL CASING DEPTH	19.61 m							
DATE STARTED	10/16/02	COMPLETED	10/17/02	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	
83.51	0.00				Ground Surface Elev. 83.51 m								83.51	0.00
	1.07	5	5	6								M	Residual-Stiff Brown-Orange Fine Sandy SILTY CLAY (A-7-5)	
82	2.59	5	8	10								M	Residual-Very Stiff Tan-Orange Fine Sandy SILT (A-5)	2.40
	4.12	13	17	27								M	Residual-Hard to Very Stiff Orange-Tan-Black to Grey-Black-Brown Carbonaceous Fine Sandy SILT (A-5)	3.90
78	5.64	4	7	13								M		
	7.16	24	31	41								D	Residual-Hard Grey-Black Carbonaceous Fine Sandy SILT (A-4)	6.90
76	8.69	16	36	60								M		
	10.21	8	13	20								SS-3		18.4
72	11.74	6	13	25								W		
	13.26	100/15										D	Weathered Rock-Grey Weathered Triassic Mudstone	12.20
70	14.79	15	17	23								D	Residual-Hard Grey Fine Sandy SILT (A-4)	13.90
	16.31	8	18	31								W	Residual-Hard Grey-Black Carbonaceous Fine Sandy SILT (A-4)	16.00
68	17.84	16	29	71/13								W	Weathered Rock-Grey-Black Weathered Carbonaceous Triassic Mudstone	18.10

NCDOT_BORE11X17 GR020409.GPJ NCDOT2.GDT 1/7/03

PROJECT NO.	6.529005T	ID.	R-2610A	FED. NO.	N/A	CO.	Chatham	FIELD SUPERV.	D. Hardister					
SITE DESCRIPTION								GROUND WATER (m)						
Site 1: Bridge on SBL US 421 over AC&WR								0 HR.	N/M					
BORING NO.	B1-B	BORING LOCATION	17+97.4	OFFSET	6.5m LT	ALIGNMENT	-L-	24 HR.	3.40					
COLLAR ELEV.	83.51 m	TOTAL DEPTH	26.18 m	NORTHING	200642.046	EASTING	583119.991							
DRILL MACHINE	CME 550x	DRILL METHOD	HSA/NQ Wireline	HAMMER TYPE	Automatic	FINAL CASING DEPTH	19.61 m							
DATE STARTED	10/16/02	COMPLETED	10/17/02	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	
	19.36	44	56/10									W		63.90
64	20.09	38	62/11									W	Weathered Rock-Grey-Black, Grey, and Red-Grey Severely Weathered Medium Hard and Soft Moderately Indurated and Friable Triassic Mudstone and Carbonaceous Triassic Mudstone with Close and Very Close Fracture Spacing and Thin Seams of Non-Crystalline Rock	19.61
	21.61	23	77/09									W		
62	23.13	100/13										W		
	24.65	61	39/05									W		
60	26.17	50/01										W	Non-Crystalline Rock-Red-Grey Moderately Weathered Moderately Hard Indurated Triassic Mudstone with Close and Very Close Fracture Spacing Non-Crystalline Rock-Red-Grey Triassic Mudstone Boring Terminated with SPT Refusal @ Elev. 57.33m in Non-Crystalline Rock (Triassic Mudstone)	25.87 26.17 26.18

NCDOT_BORE11X17 GR020409.GPJ NCDOT2.GDT 1/7/03