



PROJECT NO. 6.529005T		ID. R-2610A		COUNTY Chatham		GEOLOGIST H. Hodgeman								
SITE DESCRIPTION Site 2: Bridge on SBL US 421 (-L-) Over NSRR						GROUND WATER (m)								
BORING NO. B1-A		BORING LOCATION 27+91.2		OFFSET 15.3m LT		ALIGNMENT -L-								
COLLAR ELEV. 87.72 m		NORTHING 201445.56		EASTING 582538.88		0 HR. 2.44								
TOTAL DEPTH 11.03 m		DRILL MACHINE CME 850		DRILL METHOD Wash Drill/HQ Core		HAMMER TYPE 63.5 kg Automatic								
DATE STARTED 11/14/02		COMPLETED 11/15/02		SURFACE WATER DEPTH NA										
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	
87.72													87.72 0.00	
87.42	0.30	2	2	4								M	RESIDUAL: Medium Stiff Tan and Brown Fine Sandy Clayey SILT	
86.65	1.07	44	50/6										86.50 1.22	
85.89	1.83	46	68	32/8									85.51 2.21	
84.37	3.35	21	58	42/5									85.51 2.21	Reddish Brown, Severely Weathered, Very Soft, Friable Triassic Mudstone with Very Close to Close Fracture Spacing
82.85	4.87	27	87	13/1									81.63 6.09	Reddish Brown, Severely Weathered, Medium Hard to Moderately Hard, Moderately Indurated Triassic Mudstone with Close to Moderately Close Fracture Spacing
81.33	6.39	50/8										RS-1	81.63 6.09	Reddish Brown, Severely Weathered, Medium Hard to Moderately Hard, Moderately Indurated Triassic Mudstone with Close to Moderately Close Fracture Spacing
79.81	7.91	50/6											76.77 10.95	WEATHERED ROCK: Reddish Brown Weathered Triassic Mudstone Boring Terminated at Elevation 76.69m in Weathered Rock: Weathered Triassic Mudstone
78.29	9.43	100/15											76.77 10.95	WEATHERED ROCK: Reddish Brown Weathered Triassic Mudstone Boring Terminated at Elevation 76.69m in Weathered Rock: Weathered Triassic Mudstone
76.77	10.95	50/6											76.77 10.95	WEATHERED ROCK: Reddish Brown Weathered Triassic Mudstone Boring Terminated at Elevation 76.69m in Weathered Rock: Weathered Triassic Mudstone

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TOTAL DEPTH 11.03 m		DRILL MACHINE CME 850		DRILL METHOD Wash Drill/HQ Core		HAMMER TYPE 63.5 kg Automatic						
DATE STARTED 11/14/02		COMPLETED 11/15/02		SURFACE WATER DEPTH NA								
CORE SIZE HQ				TOTAL RUN 7.79 m		DRILLER R. Toothman						
ELEV. (m)	DEPTH (m)	RUN (m)	DRILL RATE (Min/0.3m)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS		
				REC. (%)	RQD (%)		REC. (%)	RQD (%)				
											Begin Coring @ 2.21 m	
85.51	2.21	1.14	4:27/0.23 7:54 8:12 10:35	(59%) 0.67	(NA)		(85%) 2.74	(NA)		85.51 2.21	Reddish Brown, Severely Weathered, Very Soft, Friable Triassic Mudstone with Very Close to Close Fracture Spacing	
84.37	3.35		N=100/20								Majority of jts @ 0° to 10° 1 jt @ 45° Very broken 2.21m to 3.03m	
84.02	3.70	1.17	5:01/0.28 7:23 9:09 12:45	(100%) 1.17	(NA)							
82.85	4.87		N=100/16									
82.54	5.18	1.21	10:38/0.30 11:03 8:32 8:52	(99%) 1.20	(NA)							
81.33	6.39		N=50/8 5:41/0.22 6:21 7:02 7:14 7:42	(100%) 1.44	(NA)		(97%) 4.43	(NA)		81.63 6.09	Reddish Brown, Severely Weathered, Medium Hard to Moderately Hard, Moderately Indurated Triassic Mudstone with Close to Moderately Close Fracture Spacing	
79.81	7.91		N=50/6 5:16/0.24 5:54 6:44 6:57 8:03	(98%) 1.43	(NA)						Very soft 6.47m to 6.67m and 9.58m to 9.68m Majority of jts @ 0° to 10° 3 jts @ 45° 1 jt @ 30°	
79.75	7.97	1.46	N=100/15 4:32/0.15 12:00 5:20 6:26 7:56	(92%) 1.28	(NA)							
78.29	9.43		N=50/8									
78.14	9.58	1.37										
76.77	10.95											
76.69	10.95											
												Coring Terminated at Elevation 76.77m in Severely Weathered Triassic Mudstone
												WEATHERED ROCK: Reddish Brown Weathered Triassic Mudstone Boring Terminated at Elevation 76.69m in Weathered Rock: Weathered Triassic Mudstone

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