



N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

PROJECT NO. 8.2352901		ID. B-3451		COUNTY Durham		GEOLOGIST J.L. Love								
SITE DESCRIPTION Bridge No. 119 on SR 1306 over Prong of Mud Creek							GROUND WATER (ft)							
BORING NO. B1-B		BORING LOCATION 14+69		OFFSET 8ft RT		ALIGNMENT -L-		0 HR. N/A						
COLLAR ELEV. 285.8 ft		NORTHING 816,579		EASTING 2,006,596				24 HR. FIAD						
TOTAL DEPTH 39.7 ft		DRILL MACHINE Mobile B-57		DRILL METHOD N-Casing-SPT		HAMMER TYPE Automatic								
DATE STARTED 8/29/02		COMPLETED 8/29/02		SURFACE WATER DEPTH N/A										
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100	
285.8												Ground Surface	285.8	0.0
												ROADWAY EMBANKMENT, ORANGE-BROWN, SILTY CLAY	282.1	3.7
281.1	4.7	WOH	WOH	1							W	GRAY AND ORANGE-BROWN, SANDY CLAY		
												ALLUVIAL, GRAY, SANDY SILT	278.1	7.7
276.1	9.7	WOH	WOH	1							SS-13			
												RED-GRAY, SANDY CLAY	272.3	13.5
271.1	14.7	4	4	7							SS-14			
											M	GRAY-BROWN, SILTY CLAY	270.6	15.2
266.1	19.7	25	75/0.0'									WEATHERED ROCK (TRIASSIC SANDSTONE)	266.6	19.2
												NON-CRYSTALLINE ROCK (GRAY-GREEN, SLIGHTLY WEATHERED TO FRESH, NOT FRACTURED TO WIDELY FRACTURED, MODERATELY HARD TO HARD, TRIASSIC SANDSTONE)	265.6	20.2
												NON-CRYSTALLINE ROCK (GRAY-GREEN, SLIGHTLY WEATHERED TO FRESH, NOT FRACTURED TO WIDELY FRACTURED, MODERATELY HARD TO HARD, TRIASSIC SANDSTONE)	267-27.2	
												NON-CRYSTALLINE ROCK (RED AND GRAY, FRESH, MODERATELY HARD, CLOSE FRACTURED, TRIASSIC SILTSTONE)	32.8-33.3	
												NON-CRYSTALLINE ROCK (RED AND GRAY, FRESH, MODERATELY HARD, CLOSE FRACTURED, TRIASSIC SILTSTONE)	250.3	35.5
												NON-CRYSTALLINE ROCK (RED AND GRAY, FRESH, MODERATELY HARD, CLOSE FRACTURED, TRIASSIC SILTSTONE)	38.0-38.6	
												CORING TERMINATED AT ELEVATION 246.1 FEET IN NON-CRYSTALLINE ROCK (TRIASSIC SILTSTONE)	246.1	39.7

NCDOT BORE SINGLE MUD CR.GPJ NC DOT.GDT 11/26/02



N.C.D.O.T. GEOTECHNICAL UNIT
CORE BORING REPORT

PROJECT NO. 8.2352901		ID. B-3451		COUNTY Durham		GEOLOGIST J.L. Love				
SITE DESCRIPTION Bridge No. 119 on SR 1306 over Prong of Mud Creek							GROUND WATER (ft)			
BORING NO. B1-B		BORING LOCATION 14+69		OFFSET 8ft RT		ALIGNMENT -L-		0 HR. N/A		
COLLAR ELEV. 285.8 ft		NORTHING 816,579		EASTING 2,006,596				24 HR. FIAD		
TOTAL DEPTH 39.7 ft		DRILL MACHINE Mobile B-57		DRILL METHOD N-Casing-SPT		HAMMER TYPE Automatic				
DATE STARTED 8/29/02		COMPLETED 8/29/02		SURFACE WATER DEPTH N/A						
CORE SIZE NXWL			TOTAL RUN 19.5 ft			DRILLER H.R.Conley				
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC. (%)	RQD (%)		REC. (%)	RQD (%)		
										Begin Coring @ 20.2 ft
265.6	20.2	4.5	0:52/1.0 0:38/1.0 0:46/1.0 1:04/1.0	(3.8) 84%	(2.7) 60%		(14.6) 95%			NON-CRYSTALLINE ROCK (GRAY-GREEN, SLIGHTLY WEATHERED TO FRESH, NOT FRACTURED TO WIDELY FRACTURED, MODERATELY HARD TO HARD, TRIASSIC SANDSTONE)
281.1	24.7	5.0	0:19/0.5 0:53/1.0 0:49/1.0 1:05/1.0 1:07/1.0	(5.0) 100%	(5.0) 100%	RS-1 26.7-27.2				
256.1	29.7	5.0	1:02/1.0 1:07/1.0 0:49/1.0 0:54/1.0 0:53/1.0	(5.0) 100%	(5.0) 100%	RS-2 32.8-33.3				
251.1	34.7	5.0	0:47/1.0 1:18/1.0 1:07/1.0 0:53/1.0 0:54/1.0 0:58/1.0	(5.0) 100%	(2.9) 58%	RS-3 38.0-38.6	(4.2) 100%			NON-CRYSTALLINE ROCK (RED AND GRAY, FRESH, MODERATELY HARD, CLOSE FRACTURED, TRIASSIC SILTSTONE)
246.1	39.7									CORING TERMINATED AT ELEVATION 246.1 FEET IN NON-CRYSTALLINE ROCK (TRIASSIC SILTSTONE)

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