



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



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

PROJECT NO. 8.2352901		ID. B-3451		COUNTY Durham		GEOLOGIST N.T.Roberson							
SITE DESCRIPTION Bridge No. 119 on SR 1306 over Prong of Mud Creek						GROUND WATER (ft)							
BORING NO. B2-A		BORING LOCATION 15+29		OFFSET 8ft LT		ALIGNMENT -L-							
COLLAR ELEV. 285.7 FT		NORTHING 816,625		EASTING 2,009,635		0 HR. N/A							
TOTAL DEPTH 39.8 ft		DRILL MACHINE Mobile B-57		DRILL METHOD N-Casing-SPT		HAMMER TYPE Automatic							
DATE STARTED 8/23/02		COMPLETED 8/23/02		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
285.7													Ground Surface
													285.7 ROADWAY EMBANKMENT, ORANGE-BROWN, SILTY CLAY 0.0
281.0	4.7												281.2 ALLUVIAL, TAN, BROWN AND GRAY, SILTY SAND 4.5
276.0	9.7												275.4 GRAY-BROWN, SANDY CLAY 10.3
271.0	14.7												266.7 WEATHERED ROCK (TRIASSIC SANDSTONE) 19.0
266.0	19.7												265.8 NON-CRYSTALLINE ROCK (GRAY, FRESH, MODERATELY HARD TO HARD, NOT FRACTURED TO WIDELY FRACTURED, TRIASSIC SANDSTONE) 19.9
													250.9 NON-CRYSTALLINE ROCK (RED AND GRAY, FRESH, MODERATELY HARD, CLOSE FRACTURED, TRIASSIC SILTSTONE) 34.8
													245.9 CORING TERMINATED AT ELEVATION 245.9 FEET IN NON-CRYSTALLINE ROCK (TRIASSIC SILTSTONE) 39.8

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

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DATE STARTED 8/23/02		COMPLETED 8/23/02		SURFACE WATER DEPTH N/A						
CORE SIZE NXWL		TOTAL RUN 19.9 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 @ 19.9 ft
265.8	19.9	4.9	0:36/1.0 0:41/1.0 0:42/1.0 0:37/1.0 0:47/0.9	(4.5) 92%	(4.5) 92%	RS-4 24.3- 24.9	(14.3) 96%	(12.8) 86%		265.8 NON-CRYSTALLINE ROCK (GRAY, FRESH, MODERATELY HARD TO HARD, NOT FRACTURED TO WIDELY FRACTURED, TRIASSIC SANDSTONE) 19.9
260.9	24.8	5.0	0:47/1.0 0:40/1.0 0:34/1.0 0:35/1.0 0:48/1.0	(4.9) 98%	(3.8) 76%					
255.9	29.8	5.0	1:12/1.0 0:57/1.0 0:54/1.0 0:56/1.0	(4.9) 98%	(4.5) 90%					
250.9	34.8	5.0	1:06/1.0 1:23/1.0 0:40/1.0 0:38/1.0 0:45/1.0	(4.9) 98%	(3.0) 60%	RS-5 37.9- 38.4	(4.9) 98%	(3.0) 60%		250.9 NON-CRYSTALLINE ROCK (RED AND GRAY, FRESH, MODERATELY HARD, CLOSE FRACTURED, TRIASSIC SILTSTONE) 34.8
245.9	39.8									245.9 CORING TERMINATED AT ELEVATION 245.9 FEET IN NON-CRYSTALLINE ROCK (TRIASSIC SILTSTONE) 39.8