



PROJECT NO. 8.2353001		ID. B-3450		COUNTY Durham		GEOLOGIST D. Goodnight							
SITE DESCRIPTION Bridge No. 122 Over Sandy Creek on SR 1116 (Garrett Road)							GROUND WATER (ft)						
BORING NO. B1-B		BORING LOCATION 22+15		OFFSET 20 ft RT		ALIGNMENT -L-							
						0 HR.	5.0						
COLLAR ELEV. 249.3 ft		NORTHING 803288.62		EASTING 2007768.86		24 HR. 4.9							
TOTAL DEPTH 46.6 ft		DRILL MACHINE CME 850		DRILL METHOD 3-7/8" Tricone Wash/HQ Core		HAMMER TYPE 140 lb. Automatic							
DATE STARTED 9/19/02		COMPLETED 9/23/02		SURFACE WATER DEPTH NA									
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
249.3													249.3 0.00
248.3	1.0	2	3	5							SS-8	24.7%	248.3 ALLUVIAL: Medium Stiff Brown Coarse to Fine Silty CLAY 3.0
245.8	3.5	2	1	2									246.3 ALLUVIAL: Very Loose Tan Silty Fine SAND 5.5
243.3	6.0	2	2	1									243.8 ALLUVIAL: Very Loose Grey Fine to Coarse SAND with Traces of Clay and Silt 8.0
240.8	8.5	WOH	1	1									241.3 ALLUVIAL: Very Loose Grey Moderately Organic (Decayed Plant Material) Fine to Coarse SAND with a Trace of Clay and Silt 13.0
235.8	13.5	2	1	1									236.3 ALLUVIAL: Very Loose to Loose Grey Fine to Coarse SAND with Traces of Clay and Silt and Organic Matter (Decayed Wood) 22.0
230.8	18.5	2	4	3									227.3 WEATHERED ROCK: Grey Triassic Sandstone 23.8
225.8	23.5	60/0.1											225.7 Pink and Greenish Grey; Moderately Weathered; Medium Hard; Indurated; Micaceous Medium to Coarse Grained Triassic Sandstone with Close to Moderately Close Fracture Spacing 26.4
													222.9 Greenish Grey and Brown; Slightly to Very Slightly Weathered; Moderately Hard; Indurated Triassic Mudstone with Close to Moderately Close Fracture Spacing 29.7
													219.6 Greenish Grey and Brown; Moderately Weathered; Medium Hard; Indurated Triassic Mudstone with Very Close to Close Fracture Spacing 31.8
													217.5 Greenish Grey and Brown; Slightly to Very Slightly Weathered; Moderately Hard; Indurated Triassic Mudstone Grading into Siltstone by 36.8 feet with Close to Moderately Close Fracture Spacing 37.7
													211.6 Pink, Brown, Greenish Grey, and Grey; Moderately Weathered; Moderately Hard to Medium Hard; Indurated; Medium to Coarse Grained; Slightly Micaceous; Triassic Sandstone with Moderately Close to Close Fracture Spacing 46.6
													202.7 Coring Terminated at 202.7 feet in Non-Crystalline Rock (Moderately Weathered Triassic Sandstone)

NCDOT BORE SINGLE 07102016.GPJ NC_DOT.GDT 11/12/02



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TOTAL DEPTH 46.6 ft		DRILL MACHINE CME 850		DRILL METHOD 3-7/8" Tricone Wash/HQ Core		HAMMER TYPE 140 lb. Automatic				
DATE STARTED 9/19/02		COMPLETED 9/23/02		SURFACE WATER DEPTH NA						
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC. (ft)	RQD (ft)		REC. (%)	RQD (%)		
										Begin Coring @ 23.6 ft
225.7	23.6	3.0	2:08	(100%)	(57%)		(100%)	(61%)		225.7 Pink and Greenish Grey; Moderately Weathered; Medium Hard; Indurated; Micaceous Medium to Coarse Grained Triassic Sandstone with Close to Moderately Close Fracture Spacing 23.6
222.7	26.6	5.0	13:34	(88%)	(62%)		(88%)	(85%)		222.9 8 jts @ 0° to 10° 23.6 feet to 24.6 feet 26.4
			4:45	(88%)	(62%)		(81%)	(19%)		219.6 No fractures from 24.6 feet to 25.6 feet and 25.6 feet to 26.2 feet 29.7
217.7	31.6	5.0	11:51	(96%)	(88%)		(100%)	(92%)		217.5 Greenish Grey and Brown; Slightly to Very Slightly Weathered; Moderately Hard; Indurated Triassic Mudstone with Close to Moderately Close Fracture Spacing 31.8
			5:08	(96%)	(88%)		(100%)	(92%)		212.7 26.4 feet to 27.0 feet is moderately weathered with very close to close fracture spacing; fractures @ 0° 27.0 feet to 29.7 feet - 3 jts @ 0° to 10° 37.7
212.7	36.6	5.0	4:00	(96%)	(94%)		(98%)	(85%)		211.6 Greenish Grey and Brown; Moderately Weathered; Medium Hard; Indurated Triassic Mudstone with Very Close to Close Fracture Spacing
			3:00	(96%)	(94%)		(98%)	(85%)		207.7 12 jts @ 0° to 10° Numerous small unopened fractures 46.6
207.7	41.6	5.0	2:54	(100%)	(80%)					202.7 Greenish Grey and Brown; Slightly to Very Slightly Weathered; Moderately Hard; Indurated Triassic Mudstone Grading into Siltstone by 36.8 feet with Close to Moderately Close Fracture Spacing
			7:30							2 jts @ 10° and 2 jts @ 30° with light clay Very broken 32.8 feet to 33.0 feet
202.7	46.6		1:43							202.7 Pink, Brown, Greenish Grey, and Grey; Moderately Weathered; Moderately Hard to Medium Hard; Indurated; Medium to Coarse Grained; Slightly Micaceous; Triassic Sandstone with Moderately Close to Close Fracture Spacing
			1:33							11 jts @ 0° to 10°
			2:23							1 jt @ 50° at 44.2 feet
			1:35							Intact 44.2 feet to 46.6 feet except for mechanical fractures
			3:20							Coring Terminated at 202.7 feet in Non-Crystalline Rock (Moderately Weathered Triassic Sandstone)
			6:22							

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