



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. B2-A		BORING LOCATION 22+60		OFFSET 11 ft LT		ALIGNMENT -L-									
COLLAR ELEV. 244.3 ft		NORTHING 803319.74		EASTING 2007724.14		0 HR. 0.0									
TOTAL DEPTH 44.1 ft		DRILL MACHINE Mobile B-57		DRILL METHOD 3-7/8" Tricone Wash/HQ Core		HAMMER TYPE 140 lb. Manual									
DATE STARTED 9/30/02		COMPLETED 10/1/02		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					
244.3													244.3	0.00	
243.3	1.0	3	2	1								W			ALLUVIAL: Very Loose to Loose Grey Fine to Coarse SAND with a Trace of Organic Matter (Rootlets and Decaying Plants) and with Traces of Clay and Silt
240.8	3.5	3	2	3								SS-9	W		
235.8	8.5	3	1	1								SS-10	29.6%		ALLUVIAL: Very Soft Grey Coarse to Fine Sandy Silty CLAY
230.8	13.5	5	6	10								W			ALLUVIAL: Medium Dense Grey Silty Coarse to Fine SAND with a Trace of Organic Matter (Decayed Plants)
225.8	18.5	64	36/0.1												WEATHERED ROCK: Grey Triassic Mudstone
															Greenish Grey and Reddish Brown; Moderately Weathered; Soft to Medium Hard; Moderately Indurated Triassic Mudstone with Very Close to Close Fracture Spacing
															Greenish Grey and Reddish Brown; Slightly Weathered; Hard; Indurated Micaceous Triassic Mudstone with Close to Moderately Close Fracture Spacing
															Tan, Grey, and Orange-Brown; Moderately Weathered; Medium Hard; Moderately Indurated; Micaceous; Fine to Coarse Grained Triassic Sandstone with Moderately Close Fracture Spacing
															Green, White, and Grey; Slightly to Very Slightly Weathered; Hard; Indurated; Micaceous; Fine to Coarse Grained Triassic Sandstone with Moderately Close Fracture Spacing
															Green with Reddish Brown; Moderately to Slightly Weathered; Soft to Medium Hard; Moderately Indurated Triassic Mudstone with Close to Very Close Fracture Spacing and with Iron Clasts
															Greenish Grey and Reddish Brown; Very Slightly Weathered; Moderately Hard; Indurated Triassic Mudstone with Moderately Close Fracture Spacing
															Greenish Grey and Reddish Brown; Slightly to Moderately Weathered; Moderate to Medium Hard; Indurated to Moderately Indurated; Triassic Mudstone with Very Close to Close Fracture Spacing
															Greenish Grey and Reddish Brown; Slightly Weathered; Hard; Indurated Triassic Mudstone Grading into Siltstone with Moderately Close Fracture Spacing
															Coring Terminated at Elevation 200.2 feet in Non-Crystalline Rock (Slightly Weathered Triassic Siltstone)

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



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CORE SIZE HQ		TOTAL RUN 25.0 ft		DRILLER B. Shull						
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (%)	RQD (%)	SAMP. NO.	STRATA REC. (%)	RQD (%)	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 19.1 ft
225.2	19.1	5.0	5:30 6:00 6:11 10:35 6:00	(84%) 4.2	(58%) 2.9		(72%) 2.1	(28%) 0.80		225.2 Greenish Grey and Reddish Brown; Moderately Weathered; Soft to Medium Hard; Moderately Indurated Triassic Mudstone with Very Close to Close Fracture Spacing
220.2	24.1	5.0	4:13 3:14 2:22 1:56 1:00	(96%) 4.8	(94%) 4.7		(93%) 2.5	(89%) 2.4		222.3 Numerous horizontal and vertical fractures with clay infilling, fracture spacing and thickness not possible due to brokenness
215.2	29.1	5.0	1:41 1:34 1:49 1:56	(98%) 4.9	(98%) 4.9		(100%) 9.2	(100%) 9.2		219.6 Greenish Grey and Reddish Brown; Slightly Weathered; Hard; Indurated Micaceous Triassic Mudstone with Close to Moderately Close Fracture Spacing
210.2	34.1	5.0	4:47 2:25 13:37 11:03 9:01 7:37	(80%) 4.0	(52%) 2.6		(100%) 1.2	(100%) 1.2		210.4 Tan, Grey, and Orange-Brown; Moderately Weathered; Medium Hard; Moderately Indurated; Micaceous; Fine to Coarse Grained Triassic Sandstone with Moderately Close Fracture Spacing
205.2	39.1	5.0	10:06 5:56 5:21 4:01 3:30	(100%) 5.0	(84%) 4.2		(69%) 2.4	(40%) 1.4		209.2 Iron staining of much of fabric
200.2	44.1						(100%) 1.7	(100%) 1.7		205.7 Green, White, and Grey; Slightly to Very Slightly Weathered; Hard; Indurated; Micaceous; Fine to Coarse Grained Triassic Sandstone with Moderately Close Fracture Spacing
							(100%) 1.8	(33%) 0.6		204.0 1 jt @ 30° 1 jt @ 0° 2 its @ 0° Tan, Grey, and Orange-Brown; Moderately Weathered; Medium Hard; Moderately Indurated; Micaceous; Fine to Coarse Grained Triassic Sandstone with Moderately Close Fracture Spacing and with Iron Clasts
							(100%) 2.0	(100%) 2.0		202.2 Very broken 35.1 feet to 36.0 feet
										6 jts @ 0° to 10° 3 its @ 20° to 30° Greenish Grey and Reddish Brown; Very Slightly Weathered; Moderately Hard; Indurated Triassic Mudstone with Moderately Close Fracture Spacing
										No natural breaks Greenish Grey and Reddish Brown; Slightly to Moderately Weathered; Moderate to Medium Hard; Indurated to Moderately Indurated; Triassic Mudstone with Very Close to Close Fracture Spacing
										6 its @ 0° to 10° Greenish Grey and Reddish Brown; Slightly Weathered; Hard; Indurated Triassic Mudstone Grading into Siltstone with Moderately Close Fracture Spacing
										No breaks Coring Terminated at Elevation 200.2 feet in Non-Crystalline Rock (Slightly Weathered Triassic Siltstone)

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