



WBS ELEMENT NO 34209.1.1		ID No. I-4025A	COUNTY Yadkin/Surry	GEOLOGIST D. Goodnight/P. Weaver									
SITE DESCRIPTION Bridge No. 13 on I-77 SBL Over Yadkin River, Yadkin Valley RR, and NC 268					GROUND WATER (ft)								
BORING NO. B2-A CS	BORING LOCATION 27+30		OFFSET 33ft LT	ALIGNMENT -SBL	0 HR. NA								
COLLAR ELEV. 858.7 ft	NORTHING 914908.66		EASTING 1462979.75		24 HR. NA								
TOTAL DEPTH 29.9 ft	DRILL MACHINE CME 45 Skid	DRILL METHOD Wash Rotary/NQ Core		HAMMER TYPE 140 lb./Manual									
DATE STARTED 5/5/04	COMPLETED 5/6/04	SURFACE WATER DEPTH 6.8 ft.											
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
858.7													858.7 0.00
858.7	0.0	1	3	3									856.5 2.2
855.2	3.5												848.8 9.9
		60/0.2											843.8 14.9
848.8	9.9												842.9 15.8
		55	45/0.2										840.2 18.5
843.8	14.9												838.8 19.9
		100/0.4											833.8 24.9
													828.8 29.9

NCDOT BORE SINGLE 07104006.GPJ NC DOT.GDT 5/26/04



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CORE SIZE NQ		TOTAL RUN 25.1 ft		DRILLER R. Toothman						
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC. (ft) %	ROD (ft) %		REC. (ft) %	ROD (ft) %		
										Begin Coring @ 3.7 ft
855.0	3.7	1.2	2:38	(0.0)	(NA)		(2.2)	(NA)		855.0 WEATHERED ROCK: Brown with White, Severely Weathered, Soft to Medium Hard, Biotite Schist with Very Close to Close Fracture Spacing 3.7
853.8	4.9	5.0	0:36/0.2	0%	(NA)		20%			All of fabric and jt faces are iron stained Majority of jts @ 10° to 20°
			1:57	(0.0)						
			1:45	0%						
			2:02							
848.8	9.9		2:20							
			2:20							
848.1	10.6	4.3	N=100/0.7	(2.2)	(NA)					
			0:42/0.3	51%						
843.8	14.9		2:41							
			3:37							
843.4	15.3	4.6	3:39	(3.7)	(2.1)					842.9 15.8
			3:14	80%	46%		(2.5)	(1.7)		
			1:32/0.6				93%	63%		
838.8	19.9		2:37	(3.8)	(0.9)		(9.4)	(2.4)		840.2 18.5
		5.0	3:51	76%	18%					
			3:27							
			3:03							
833.8	24.9		2:26							
		5.0	3:50	(4.4)	(1.1)					
			4:03	88%	22%					
			9:58							
828.8	29.9		22:22							
			6:44							
			6:41							
			11:51							
			6:14							
			8:27							
										828.8 Majority of jts @ 10° to 20° 6 jts @ 30° to 40° Abundant feldspar porphyroblasts Very broken 19.4 feet to 20.6 feet
										Note: 1.0 foot of rock from Run No. 6 could not be retrieved from hole; REC value based on assumption that all would have been retrieved if not for faulty lifter. Coring Terminated at Elevation 828.8 feet in Crystalline Rock: Biotite Schist
										Note: River water alone used as drilling fluid

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