

PROJECT NO.	8.2572301	ID.	B-3504	FED. NO.	BRZ-1331(4)	CO.	Randolph	FIELD SUPERV.	D. Hardister					
SITE DESCRIPTION								GROUND WATER (ft)						
Bridge 363 over Caraway Creek on SR 1331								0 HR.	N/M					
BORING NO.	B1-A	BORING LOCATION	18+45.6	OFFSET	11.0' LT	ALIGNMENT	-L-	24 HR.	7.2					
COLLAR ELEV.	437.5 ft	TOTAL DEPTH	33.5 ft	NORTHING	716782.17	EASTING	1724371.01							
DRILL MACHINE	CME 550x	DRILL METHOD	HSA/HQ	HAMMER TYPE	Automatic	FINAL CASING DEPTH	12.0 ft							
DATE STARTED	12/18/03	COMPLETED	12/18/03	DRILLING FLUID DENSITY	Creek Water	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	
437.5	0.00	Ground Surface Elev. 437.5 ft										437.5	0.00	
													Alluvial-Soft Brown Fine Sandy SILT (A-4)	
435	3.5	WOH	WOH	2								W		
430	8.5	1	WOH	1								SS-4 SAT	Alluvial-Very Loose Blue-Grey Silty Coarse to Fine SAND with Wood (A-2-4)	
425	12.0	60/0										D	Crystalline Rock-Blue-Grey Meta-Argillite	
													Crystalline Rock-Blue-Grey Very Slightly and Slightly Weathered Very Hard Meta-Argillite with Close and Very Close Fracture Spacing	
420														
415														
410												RS-1		
405														
													404.0	Coring Terminated at Elev. 404.0ft in Crystalline Rock (Meta-Argillite)

NCDOT\_BORE#3 GR030560.GPJ NCDOT2.GDT 1/15/04

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DATE STARTED	12/18/03	COMPLETED	12/18/03	DRILLING FLUID DENSITY	Creek Water	SURFACE WATER DEPTH	N/A			
CORE SIZE			HQ	TOTAL RUN		21.5 ft	DRILLER			J.White
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min./ft)	RUN		SAMP. NO.	STRATA		DESCRIPTION AND REMARKS	
				REC. (%)	RQD (%)		REC. (%)	RQD (%)		
425.5									Begin Coring @ 425.50 ft	
425.5	12.0	1.5	7:13	(1.4) 93%	(1.1) 73%		21.2 99%	16.5 77%	Crystalline Rock-Blue-Grey Very Slightly and Slightly Weathered Very Hard Meta-Argillite with Close and Very Close Fracture Spacing  64 Jts @ 35-45° 5 Jts @ 25-35° 1 Jt @ 70° 1 Jt @ 10°	
424.0	13.5	5.0	3:41/0.5							
424.0	13.5	5.0	4:45	(5.0) 100%	(2.7) 54%					
			6:38							
			4:48							
			3:49							
			5:22							
419.0	18.5	5.0								
419.0	18.5	5.0	4:47	(5.0) 100%	(3.8) 76%					
			3:34							
			4:05							
			3:48							
			3:59							
414.0	23.5	5.0								
414.0	23.5	5.0	3:28	(5.0) 100%	(4.8) 96%					
			3:46			RS-1				
			3:37							
			4:20							
			3:35							
409.0	28.5	5.0								
409.0	28.5	5.0	3:18	(4.8) 96%	(4.1) 82%					
			3:43							
			3:54							
			3:27							
			3:36							
404.0	33.5									
							404.00	33.5	Coring Terminated at Elev. 404.0ft in Crystalline Rock (Meta-Argillite)	

NCDOT\_BORE#3-11X17 GR030560.GPJ NCDOT2.GDT 1/15/04