

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO 8.2572901	ID B-3690	COUNTY RANDOLPH	GEOLOGIST JAY K. STICKNEY
SITE DESCRIPTION BRIDGE#163 OVER BRUSH CREEK ON SR 2641			GND WATER
BORING NO B3-A	NORTHING 0.00	EASTING 0.00	0 HR 0.00ft
ALIGNMENT L	BORING LOCATION 17+82.800	OFFSET 15.70ft LT	24 HR 0.00ft
COLLAR ELEV 404.07ft	TOTAL DEPTH 29.15ft	START DATE 8/23/02	COMPLETION DATE 08/23/02
DRILL MACHINE CME-550	DRILL METHOD NW CAS/NXWL	HAMMER TYPE AUTOMATIC	
SURFACE WATER DEPTH N/A	DEPTH TO ROCK 0.30ft	Log B3-A, Page 1 of 1	

PROJECT NO: 8.2572901      PROJECT ID: B-3690      COUNTY: Randolph      GEOLOGIST: J.K. STICKNEY  
 SITE DESCRIPTION: Bridge 163 over Brush Creek on SR 2641      DRILLER: R.S. HINSON  
 BORING NO: B3-A      BORING LOCATION (STA): 17+82.8      OFFSET: 15.7 LT.  
 COLLAR ELEV: 404.07      PERSONNEL: DH RSH,JKS,      CORE SIZE: NXWL  
 TOTAL DEPTH: 29.15      DRILL MACHINE: CME-550      DATE STARTED: 08/23/02  
 TOTAL RUN: 28.85      DRILL EQUIP: NXWL/NXCAS/      DATE COMPLETED: 08/23/02

ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75			
404.07												Ground Surface
400.00												0-0.3' ALLUVIUM 0.3' - 29.15' ROCK
390.00												
380.00												
374.92												
												TRICONE REFUSAL AT 0.3, CORE TO END OF HOLE AT 29.15'

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
403.77	0.3	nm	1	66%	22.7%		0' - 12' Hard to moderately hard, moderately to slightly weathered, crystalline rock. Core breaks along 60 degree dipping cleavage Rock resembles volcanic welded tuff.
399.37	4.7	2.1	2	94%	54%		
394.37	9.7	1.96	3	88.9%	13.3%		
389.87	14.2	2.46	4	90%	82%		12' to 29.15' Hard to very hard, close to moderately close fractured, fresh, fine grained crystalline rock. Cleavage has a 60 to 70 degree dip. Rock is generally massive, and is probably volcanic.
384.87	19.2	3.1	5	97%	91.2%		
379.72	24.35	3.2	6	100%	100%		
374.92	29.15						

NOTES