

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

SHEET 14 OF 28

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

PROJECT NO 34517.1.1		ID R-2911D		COUNTY ROWAN		GEOLOGIST J.K. STICKNEY	
SITE DESCRIPTION BRIDGE ON US 70 OVER SECOND CREEK BETWEEN SR 1951 & SR 1728						GND WATER	
BORING NO B1-A RT LN		NORTHING 0.00		EASTING 0.00		0 HR 9.20ft	
ALIGNMENT L		BORING LOCATION 303+62.000		OFFSET 31.00ft RT		24 HR 6.00ft	
COLLAR ELEV 655.92ft		TOTAL DEPTH 54.60ft		START DATE 4/07/04		COMPLETION DATE 04/07/04	
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC	
SURFACE WATER DEPTH			DEPTH TO ROCK 37.90ft			Log B1-A RT LN, Page 1 of 1	

PROJECT NO: 34517.1.1 PROJECT ID: R-2911D COUNTY: ROWAN GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: BRIDGE ON US 70 OVER SECOND CREEK BETWEEN SR 1951 & SR 1728 DRILLER: C.L. SMITH
 BORING NO: B1-A RT LN BORING LOCATION (STA): 303+62 -L- OFFSET: 31.0 RT
 COLLAR ELEV: 655.92 PERSONNEL: D.K. BRATTON CORE SIZE: NXWL
 TOTAL DEPTH: 54.6 DRILL MACHINE: CME-550X DATE STARTED: 4/7/04
 TOTAL RUN: 16.7 DRILL EQUIP: NWCAS/NXWL DATE COMPLETED: 4/7/04

ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75				
655.92													Ground Surface
650.00	3.80	1	1	2	1.0								SS-12 MOIST ALLUVIUM - SOFT TAN-BROWN-GRAY CLAYEY SANDY SILT
	8.80	0	1	1	1.0								SS-13 M/W VERY LOOSE BROWN MICACEOUS SAND
640.00	13.80	0	0	0	1.0								SAT SAT SOFT GRAY CLAYEY SANDY SILT
	18.80	0	2	2	1.0								SS-14 SAT SOFT GRAY CLAYEY SANDY SILT
630.00	23.80	73	27		0.6								MOIST RESIDUAL - MEDIUM STIFF GRAY CLAYEY SANDY SILT
	28.80	26	74		0.9								WEATHERED ROCK
620.00	33.80	100			0.4								
													RUN #1 RUN #2 HARD ROCK - GRAY FRESH VERY HARD METAGABBRO, REC=41% RQD=0%
													RUN #3 AS ABOVE - REC=78% RQD=69%
610.00													RUN #4 GRAY FRESH VERY HARD GRANITE, REC=88% RQD=36%
601.32													GRAY FRESH VERY HARD METAGABBRO, REC=93% RQD=77%

*Continued on the next page.
 Logging Terminated @ Elevation 601.32' In Hard Rock (metagabbro)*

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
618.02	37.9		1	41	0		GRAY FRESH V. HARD METAGABBRO W/ CLOSE FRACTURE SPACING.
616.32	39.6	2.4	2	78	69		GRAY FRESH V. HARD METAGABBRO W/ CLOSE FRACTURE SPACING. (2 SOLID PIECES OF CORE)
611.32	44.6	2.59	3	88	36		GRAY FRESH V. HARD GRANITE W/ V. CLOSE TO CLOSE FRACTURE SPACING.
606.32	49.6	2.80	4	93	77		GRAY FRESH V. HARD METAGABBRO W/ V. CLOSE TO MOD. CLOSE FRACTURE SPACING.
601.32	54.6						
NOTES							