

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

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 LT LN		NORTHING 0.00		EASTING 0.00		0 HR 8.45ft						
ALIGNMENT L		BORING LOCATION 303+62.000		OFFSET 53.00ft LT		24 HR 9.20ft						
COLLAR ELEV 655.35ft		TOTAL DEPTH 48.40ft		START DATE 4/06/04		COMPLETION DATE 04/06/04						
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 39.40ft			Log B1-A LT LN, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG MOI	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75			
655.35												Ground Surface
650.00	5.40	0	1	2	1.0	3					SS-10A	MOIST ALLUVIUM - VERY SOFT TO SOFT TAN-BROWN SILTY SANDY CLAY
	10.40	0	2	1	1.0	3					SS-11	MW VERY LOOSE TO LOOSE GRAY CLAYEY SAND
640.00	15.40	1	1	1	1.0	2						MW
	20.40	1	2	4	1.0	6						SAT
630.00	25.40	22	42	58	0.9							MOIST
	30.40	52	48		0.7							
620.00	35.40	64	36		0.6							
610.00											RUN #1 RS-1	HARD ROCK - DARK GRAY, FRESH, VERY HARD METAGABBRO, REC=69% RQD=69%
606.95											RUN #3	AS ABOVE - REC=96% RQD=88%
												AS ABOVE - REC=99% RQD=87%
CORING TERMINATED AT ELEVATION 606.95 FEET IN HARD ROCK (METAGABBRO)												

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SITE DESCRIPTION: BRIDGE ON US 70 OVER SECOND CREEK BETWEEN SR 1951 & SR 1728			DRILLER: C.L. SMITH
BORING NO: B1-A LT LN	BORING LOCATION (STA): 303+62 -L-		OFFSET: 53.0 LT.
COLLAR ELEV: 655.35	PERSONNEL: D.K. BRATTON		CORE SIZE: NXWL
TOTAL DEPTH: 48.3	DRILL MACHINE: CME-550X		DATE STARTED: 4/6/04
TOTAL RUN: 9.0	DRILL EQUIP: NWCAS/NXWL		DATE COMPLETED: 4/6/04

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
615.95	39.4		1	69	69		DARK GRAY FRESH V. HARD METAGABBRO (1 SOLID PIECE RECOVERED)
615.15	40.2	2.35	2	96	88	RS-1 (41.9-42.3)	DARK GRAY FRESH V. HARD METAGABBRO W/ CLOSE TO MOD. CLOSE FRACTURE SPACING
610.35	45.0	2.22	3	99	87		DARK GRAY FRESH V. HARD METAGABBRO W/ CLOSE TO MOD. CLOSE FRACTURE SPACING.
606.95	48.3						

NOTES