

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33131.1.1		ID. B-3522		COUNTY WAKE		GEOLOGIST E.C. CAMPBELL					
SITE DESCRIPTION BRIDGE NO. 215 ON -L- (SR 1007, POOLE RD.) OVER BUFFALO CREEK							GROUND WATER				
BORING NO. B2-A		BORING LOCATION 26+33		OFFSET 2' LT		ALIGNMENT -L-					
COLLAR ELEVATION 254.7'		NORTHING 737818		EASTING 2182848		0 HR. N/A					
TOTAL DEPTH 17.2'		DRILL MACHINE MOBILE B-57		DRILL METHOD ROTARY WASH		HAMMER TYPE MANUAL					
START DATE 1/14/04		COMPLETION DATE 1/14/04		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 3.4'					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			BLOWS PER FOOT				SAMPLE NUMBER	LOG MOI. G	SOIL AND ROCK DESCRIPTION
		0.5'	0.5'	0.5'	0	25	50	75			
250.0	0.0	5	2	2	1.0						ALLUVIAL, TAN, SILTY SAND
245.0	3.3	60			0.1				RS-3		CRYSTALLINE ROCK, PINK-WHITE-BLACK, FRESH, HARD, NO FRACTURES, GRANITE REC=100% RQD=100%
240.0									RS-4		
235.0											CORING TERMINATED AT ELEVATION 237.5 FEET IN CRYSTALLINE ROCK (GRANITE)
230.0											
225.0											
220.0											
215.0											
210.0											
205.0											
200.0											
195.0											
190.0											
185.0											
180.0											
175.0											

CORE BORING REPORT

PROJECT: 33131.1.1 ID: B-3522 COUNTY: Wake BORING NO: B2-A

DESCRIPTION: Bridge No. 214 on -L- (SR 1007, Poole Road) over Buffalo Creek

LOCATION OF BORING: -L- Sta. 26+33, 2' LT COMPLETION DATE: 01/14/2004

COLLAR or GROUND ELEVATION: 254.7 ft CORE SIZE: NWD4 GEOLOGIST: E. C. Campbell

CORE EQUIPMENT: Mobile B-57, NWD4 core barrel DRILLER: M. Moseley (SME, INC)

ELEV (ft)	DEPTH (ft)	DRILL RATE (min/ft)	RUN (ft)	REC (%)	RQD (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS
251.3	3.4	4:01	3.8	3.8	3.8	RS-3 4.4-5.3	Pink-white-black, fresh, hard, no fractures, granite
		5:54					
		4:02					
		4:40/0.9'					
247.5	7.2	4:15	5.0	5.0	5.0		Pink-white-black, fresh, hard, no fractures, granite
		4:20					
		4:18					
		3:55					
242.5	12.2	3:05	5.0	5.0	5.0	RS-4 12.2-13.2	Pink-white-black, fresh, hard, no fractures, granite
		2:11					
		2:10					
		2:09					
237.5	17.2	2:11					
BOREHOLE TERMINATED AT ELEVATION OF 237.5 FEET, IN GRANITE.							