

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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

PROJECT NO: 8.1830501 PROJECT ID: R-2206C COUNTY: LINCOLN GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: BRIDGE ON NC 16 OVER KILLIAN CREEK DRILLER: C.L. SMITH
 BORING NO: B1-A NBL BORING LOCATION (STA): 199+33 OFFSET: 9 RT
 COLLAR ELEV: 234.00 PERSONNEL: CEB, AJT CORE SIZE: NXWL
 TOTAL DEPTH: 10.64 DRILL MACHINE: CME-550 DATE STARTED: 6-26-03
 TOTAL RUN: 5.66 DRILL EQUIP: NW CASING / NXWL DATE COMPLETED: 6-26-03

PROJECT NO 8.1830501		ID R-2206C		COUNTY LINCOLN		GEOLOGIST J.K. STICKNEY						
SITE DESCRIPTION BRIDGE ON NC 16 OVER KILLIAN CREEK							GND WATER					
BORING NO B1-A NBL		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT L		BORING LOCATION 199+33.000		OFFSET 9.00m RT		24 HR 1.70m						
COLLAR ELEV 234.01m		TOTAL DEPTH 10.64m		START DATE 6/26/03		COMPLETION DATE 06/26/03						
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 4.98m			Log B1-A NBL, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75			
234.01												Ground Surface
233.00	1.65	0	1	4	0.30	5				SS-3	M/W	ALLUVIUM - LOOSE BROWN-GRAY SAND
231.00	3.17	11	25	63	0.30			88		SS-4	WET	RESIDUAL - HARD TAN-BLACK-WHITE MICACEOUS SANDY SILT
229.00	4.70	100			0.04			100		RUN #1		WEATHERED ROCK
										RUN #2		HARD ROCK - GRAY-BROWN MOD. HARD TO HARD, MOD. WEATHERED TO SLIGHTLY WEATHERED, FOLIATED GRANITE, REC=71% RQD=20%
227.00										RS-5		AS ABOVE TO 6.45 THEN GRAY VERY HARD, FRESH, FOLIATED GRANITE, REC=95% RQD=50%
225.00										RUN #4		GRAY VERY HARD, FRESH, FOILATED GRANITE, REC=95% RQD=51%
223.37												GRAY VERY HARD, FRESH, FOLIATED GRANITE, REC=100% RQD=97%
CORING TERMINATED AT ELEVATION 223.366 METERS IN HARD ROCK												

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
229.02	4.98		1	71	20		GRAY-BROWN MODERATELY HARD TO HARD, MODERATELY WEATHERED TO SLIGHTLY WEATHERED, FOLIATED GRANITE, WITH VERY CLOSE TO CLOSE FRACTURE SPACING
227.85	6.15		2	95	50		FIRST 0.30 AS ABOVE, THEN GRAY VERY HARD, FRESH, FOLIATED GRAINTE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
226.33	7.67		3	95	51	RS-5	GRAY VERY HARD, FRESH, FOLIATED GRANITE WITH VERY CLOSE TO MODERATELY CLOSE FRACTURES
224.81	9.19		4	100	97		GRAY VERY HARD, FRESH, FOLIATED GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
223.36	10.64						

NOTES