

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL UNIT BORING LOG

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

PROJECT NO 8.1830503	ID R-2206C	COUNTY LINCOLN	GEOLOGIST C.E. BURRIS
SITE DESCRIPTION BRIDGE OVER KILLIAN CRK. ON NC 16 BETWEEN MUNDY RD. & NC 150			GND WATER
BORING NO B2-B SBL	NORTHING 0.00	EASTING 0.00	0 HR 1.10m
ALIGNMENT L	BORING LOCATION 223+13.300	OFFSET 11.40m LT	24 HR 1.20m
COLLAR ELEV 252.12m	TOTAL DEPTH 12.25m	START DATE 12/05/03	COMPLETION DATE 12/05/03
DRILL MACHINE CME-550	DRILL METHOD SPT CORE BORING	HAMMER TYPE AUTOMATIC	
SURFACE WATER DEPTH N/A	DEPTH TO ROCK 4.87m	Log B2-B SBL, Page 1 of 1	

PROJECT NO: 8.1830503      PROJECT ID: R-2206C      COUNTY: LINCOLN      GEOLOGIST: C.E. BURRIS  
 SITE DESCRIPTION: DUAL BRIDGES ON NC 16 OVER KILLIAN CREEK      DRILLER: C.L. SMITH  
 BORING NO: B2-B SBL      BORING LOCATION (STA): 223+13.3      OFFSET: 11.4 LT  
 COLLAR ELEV: 252.121      PERSONNEL: J.K. STICKNEY      CORE SIZE: NXWL  
 TOTAL DEPTH: 12.25      DRILL MACHINE: CME-550      DATE STARTED: 12/5/03  
 TOTAL RUN: 7.38      DRILL EQUIP: NXWL, TRI-CONE      DATE COMPLETED: 12/5/03

ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75			
252.12												Ground Surface
251.00	1.65	0	1	15	0.30							ALLUVIUM - VERY LOOSE GRAY-WHITE MICACEOUS SILTY SAND
249.00	3.17	10	49	48	0.30							RESIDUAL - DENSE TO VERY DENSE BROWN-GRAY-TAN MICACEOUS SILTY SAND
247.00	4.70	74	26	0.16								WEATHERED ROCK HARD ROCK - GRAY MODERATELY WEATHERED TO FRESH, MEDIUM HARD TO VERY HARD GRANITE, REC=54% RQD=0%
												AS ABOVE, REC=94% RQD=13%
												AS ABOVE, REC=99% RQD=45%
												AS ABOVE, REC=86% RQD=40%
												AS ABOVE, REC=97% RQD=92%
239.87												CORING TERMINATED AT ELEVATION 239.871 METERS IN VERY HARD GRANITE

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
247.251	4.87		1	54	0		GRAY MODERATE TO SLIGHTLY WEATHERED, MEDIUM HARD TO HARD GRANITE WITH VERY CLOSE TO CLOSE FRACTURE SPACING
245.951	6.17		2	94	3	RS-5	AS ABOVE
244.451	7.67		3	99	45		AS ABOVE TO 8.54 THEN GRAY FRESH, VERY HARD GRANITE WITH CLOSE FRACTURE SPACING TO END OF RUN
242.991	9.13		4	86	40		GRAY MODERATELY SEVERELY TO SLIGHTLY WEATHERED, MEDIUM HARD TO HARD GRANITE WITH VERY CLOSE TO CLOSE FRACTURE SPACING
241.391	10.73		5	97	92		GRAY FRESH, VERY HARD GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
239.871	12.25						
<b>NOTES</b>							