

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

## DIVISION OF HIGHWAYS

### GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO: 8.1830501

PROJECT ID: R-2206B

COUNTY: LINCOLN

GEOLOGIST: C.C. MURRAY

SITE DESCRIPTION: NC16 PROPOSED (NBL) / FORNEY CRK &amp; CSX RR

DRILLER: R.S. HINSON

BORING NO: B3-A(NBL)

BORING LOCATION (STA): 124+15.5 -L-

OFFSET: 8.5 RT

COLLAR ELEV: 217.938

PERSONNEL:

CORE SIZE: NXWL

TOTAL DEPTH: 12.05

DRILL MACHINE: CME-550

DATE STARTED: 2/11/00

TOTAL RUN: 7.85

DRILL EQUIP: NWCAS/NXWL

DATE COMPLETED: 2/11/00

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN./3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
213.438	4.20		1	78%	42%	RS-37	DK. GREEN SL. WEATH. MOD-EXT. FRAC. DIORITE CORE LOSS @ 4.38-4.54, 5.1-5.53  ADS,ADT, UNDETERMINABLE
211.878	6.06		2	88%	55%	RS-38	AS ABOVE, SLI. FRAC. SL. WEATH. CUT BY WHITE LEUCOCRATIC GRANITE DIKE @ 6.56-6.71 @70° DIP ADS= UNDET., ADT= 0.0015  FRAC. DIPPING @ 20° ADS= 0.08 ADT= 0.0015
210.358	7.58		3	97%	97%	RS-39	DK. GREEN SL. WEATH. SOUND DIORITE W/ QTZ VEIN CUTTING @70° DIP.  FRAC. DIPPING @ 20° ADS= 0.27 ADT= 0.0015 FRAC. DIPPING @ 40° ADS=UNDET ADT= 0.002
208.868	9.07		4	97%	83%		DK. GREEN SL. WEATH. SOUND DIORITE W/ 2 QTZ. VEINS(<5CM THICK) CUTTING @ A 45° DIP.  FRAC. DIPPING @ 20° ADS= 0.33 ADT= 0.0015 FRAC. DIPPING @ 40-45° ADS= 0.34 ADT= 0.0015
207.378	10.56		5	100%	100%	RS-40	AS ABOVE SL.WEATH. & SOUND
205.888	12.05						

**NOTES**

UNDET = UNDETERMINABLE

^ = DEGREE