

# 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-B(NBL)

BORING LOCATION (STA): 124+28.5 -L-

OFFSET: 19.0 RT

COLLAR ELEV: 218.156

PERSONNEL:

CORE SIZE: NXWL

TOTAL DEPTH: 16.69

DRILL MACHINE: CME-550

DATE STARTED: 2/15/00

TOTAL RUN: 9.42

DRILL EQUIP: NWCAS/NXWL

DATE COMPLETED: 2/15/00

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
210.886	7.27		1	46%	0%		DK. GREEN MOD. WEATH. EXT. FRAC. DIORITE NOTE, RUN OF ONLY 0.69M  ADS, ADT, UNDETERMINABLE
210.536	7.62		2	73%	0%		AS ABOVE MOD. WEATH. EXT. FRAC. DIORITE MUD SEAM @7.86-8.11  FRAC. DIPPING @ 20^ ADS= 0.05 ADT= 0.002
209.776	8.38		3	100%	0%		AS ABOVE SL. WEATH. EXT. FRAC. DIORITE CUT BY WHITE LEUCOCRATIC GRANITE WHICH IS SL. WEATH. EXT. FRAC. CONTACT DIP 70^. FRAC. DIPPING @ 20^ ADS= 0.04 ADT= 0.002 FRAC. DIPPING @ 70^ ADS UNDET ADT= 0.0015
209.016	9.14		4	99%	0%		AS ABOVE SL. WEATH. EXT. FRAC. DIORITE CUT BY WHITE LEUCOCRATIC GRANITE WHICH IS SL. WEATH. EXT. FRAC. CONTACT DIP 60^. FRAC. DIPPING @ 30^ ADS= 0.05 ADT= 0.002 FRAC. DIPPING @ 40^ ADS= 0.09 ADT= 0.0015 FRAC. DIPPING @ 60^ ADS= 0.81 ADT= 0.0015
207.526	10.63		5	86%	0%		AS ABOVE SL. WEATH. EXT. FRAC. DIORITE CUT BY WHITE LEUCOCRATIC GRANITE WHICH IS SL. WEATH. EXT. FRAC. CONTACT DIP 50^.  FRAC. DIPPING @ 70^ ADS UNDET ADT= 0.002
205.976	12.18		6	98%	0%		GRAY MOD. WEATH. EXT. FRAC. VUGGY BIOTITE GRANITE MIXED WITH SL. WEATH. EXT. FRAC. WHITE LEUCOCRATIC GRANITE. FRAC. DIPPING @ 20^ ADS= 0.05 ADT= 0.0015 FRAC. DIPPING @ 40^ ADS= 0.42 ADT= 0.0015
204.456	13.70		7	71%	0%		GREEN SL. WEATH. EXT. FRAC. DIORITE CUT BY SL. WEATH. EXT. FRAC. WHITE LEUCOCRATIC GRANITE & ALSO CUT BY BLACK SL. WEATH. EXT. FRAC. AMPHIBOLITE DIKE @ 13.70-13.94. FRAC. DIPP @ 30-70^ ADS= UNDET ADT= 0.0015
202.986	15.17	CONT'					
<b>NOTES</b>		UNDET = UNDETERMINABLE					
		^ = DEGREE					