

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

## DIVISION OF HIGHWAYS

### GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO: 8.1830501  
 SITE DESCRIPTION: NC16 PROPOSED (NBL) / FORNEY CRK & CSX RR  
 BORING NO: B2-A(NBL)  
 COLLAR ELEV: 218.397  
 TOTAL DEPTH: 17.82  
 TOTAL RUN: 12.08

PROJECT ID: R-2206B COUNTY: LINCOLN  
 BORING LOCATION (STA): 123+69.5 -L-  
 PERSONNEL:  
 DRILL MACHINE: CME-550  
 DRILL EQUIP: NWCAS/NXWL

GEOLOGIST: C.C. MURRAY  
 DRILLER: R.S. HINSON  
 OFFSET: 7.0 RT  
 CORE SIZE: NXWL  
 DATE STARTED: 2/8/00  
 DATE COMPLETED: 2/8/00

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
212.657	5.74		1	86%	37%	RS-28	LT. GRAY MOD. WEATH. MOD FRAC. M.G. VARIABLY FOLIATED BIOTITE GRANITE. FRAC. DIPPING @ 20° ADS= 0.15 ADT= 0.003 FRAC. DIP. @ 30-40° ADS= 0.25 ADT= 0.002 FRAC. DIP. @ 70-80° ADS= 0.9 ADT= 0.002
211.137	7.26		2	74%	26%	RS-29	7.26-7.89 AS ABOVE 7.89-8.78 WHITE LEUCOCRATIC GRANITE  FRAC. DIPPING @ 20° ADS= 0.15 ADT= 0.002 FRAC. DIP. @ 40, 60° ADS= 0.13 ADT= 0.002
209.617	8.78		3	98%	18%	RS-30	8.78-9.16 SL. WEATH. MOD. FRAC. WHITE LEUCOCRATIC GRANITE, CONTAINING SMALL XENOLITHS OF INTERMED. META TUFFS. THEN CUT BY A STRONGLY FOLIATED AMPHIBOLITE DIKE. FRAC. DIPPING @ 20° ADS= 0.14 ADT= 0.0015 FRAC. DIPPING @ 60° ADS= 0.16 ADT= 0.0015
208.097	10.30		4	95%	33%	RS-31	LT. GRAY ANDESITIC META-TUFF, CUT BY NARROW DIKES OF WHITE LEUCOCRATIC GRANITE (DIPS 55-60°), & GRAY FOLIATED AMPHIBOLITE. FRAC. DIPPING @ 20° ADS= 0.07 ADT= 0.007 FRAC. DIPPING @ 40° ADS= 0.07 ADT= 0.002 FRAC. DIPPING @ 60° ADS= UNDET.* ADT= 0.0015
206.577	11.82		5	72%	9%	RS-32	11.82-12.18 LT. GRAY MOD-EXT. FRAC. SL. WEATH. ANDESITIC META-TUFF, INTRUDED BY 4-5CM WIDE AND ALONG FOLIATION (60° DIPS) OF WHITE LEUCOCRATIC DIKES. 12.18-13.14, DK. LT. GREEN MOD. WEATH. EXT FRAC. FOLIATED AMPHIBOLITE. DIPPING 20 & 60°. ADS= UNDET ADT= 0.002
205.057	13.34		6	96%	34%	RS-33	13.34-13.61 LT. GREEN MOD. WEATH. EXT. FRAC. FOLIATED AMPHIBOLITE, CUT BY DIKES. 13.61-14.85 LT. GRAY SL. WEATH. EXT. FRAC. BIOTITE GRANITE @ 30° DIP. 20° DIPS, ADS= 0.09 ADT= 0.002 60° DIPS ADS= 0.24 ADT= 0.0015
203.537	14.86		7	97%	46%	RS-34	LT. GRAY SL WEATH. MOD-EXT. FRAC. SL. FOLIATED BIOTITIC GRANITE. 20° DIPS ADS= 0.17 ADT= 0.015 40-50° DIPS ADS= 0.09 ADT= 0.0015 60,70° DIPS ADS= 0.02 ADT= 0.0015
<b>NOTES</b>		^ = DEGREE M.G. = MEDIUM GRAINED					
		UNDET = UNDETERMINABLE					