

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 & CSX RR

DRILLER: R.S. HINSON

BORING NO: B1-A (SBL)

BORING LOCATION (STA): 122+93.5 -L-

OFFSET: 19.5 LT

COLLAR ELEV: 224.013

PERSONNEL:

CORE SIZE: NXWL

TOTAL DEPTH: 10.38

DRILL MACHINE: CME-550

DATE STARTED: 1/20/00

TOTAL RUN: 8.77

DRILL EQUIP: NW CAS/RC/NXWL

DATE COMPLETED: 1/20/00

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
222.403	1.61		1	99.6%	79%	RS-1	LIGHT GRAY SL. WEATH. SL.-MOD FRACT. M.G. BIOTITE GRANITE, LOCALLY CUT BY PYRITE BEARING RECRYSTALIZED QTZ. VEINS BOARDED BY EPIDOTE. FRAC. DIPPING @ 10-20°, 40°, 60° ADS= 0.12 ADT= 0.0015
221.133	2.88		2	93%	85%	RS-2	AS ABOVE LIGHT GRAY SL. WEATH. SL-MOD FRAC. FRAC. DIPPING @ 10-20°, ADS= 0.19 ADT= 0.0015
219.883	4.13		3	100%	89%	RS-3	AS ABOVE LIGHT GRAY SL. WEATH. SL. FRAC. GRANITE FRAC. DIPPING @ 20°, ADS= 0.21 ADT= 0.002
218.103	5.91		4	97%	79%	RS-4	AS ABOVE LT. GRAY SL. WEATH. EXT. FRAC. GRANITE FRAC. DIPPING @ 20°, ADS= 0.16 ADT= 0.007 FRAC. DIPPING @ 80°, ADS= UNDET ADT= 0.003
216.583	7.43		5	96%	65%	RS-5	AS ABOVE LT, GRAY SL WEATH. SL.-MOD. FRAC. GRANITE FRAC. DIPPING @ 20°, ADS= 0.20 ADT= 0.002 OTHER FRAC. DIPPING @ 60, 70, 80°, ADS= UNDET ADT= 0.002
215.083	8.93		6	99%	70%	RS-6	AS ABOVE LT. GRAY SL-MOD. WEATH. SL-EXT. FRAC. GRANITE FRAC. DIPPING @ 20°, ADS= 0.16 ADT= 0.0015 FRAC. DIPPING @ 50°, ADS= UNDET ADT= 0.0015
213.633	10.38						

NOTES

^ = DEGREE

M.G. = MEDIUM GRAINED

UNDET = UNDETERMINABLE