

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 (SBL) / FORNEY CRK & CSX RR

DRILLER: R.S. HINSON

BORING NO: B1-B (SBL)

BORING LOCATION (STA): 123+06.5 -L-

OFFSET: 10.5 LT

COLLAR ELEV: 223.758

PERSONNEL:

CORE SIZE: NXWL

TOTAL DEPTH: 13.80

DRILL MACHINE: CME-550

DATE STARTED: 1/22/00

TOTAL RUN: 8.96

DRILL EQUIP: NW CAS/RC/NXWL

DATE COMPLETED: 1/22/00

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
218.918	4.84		1	92%	30%	RS-7	LIGHT GRAY SL. WEATH. SL.-MOD FRAC. M. G. BIOTITE GRANITE, LOCALLY CUT BY PYRITE BEARING QTZ. VEINS BOARDED BY EPIDOTE FRAC. DIPPING @ 20°, ADS= 0.08 ADT= 0.0019 FRAC DIPPING @ 30°, ADS= 0.05 ADT= 0.0015
217.548	6.21		2	99%	17%	RS-8	AS ABOVE SL. WEATH. SL.-MOD FRAC. MED. FRAC. DIPPING @ 20°, ADS= 0.1 ADT= 0.0015 FRAC. DIPPING @ 70°, ADS= UNDET ADT= 0.0015 FRAC. DIPPING @ 80°, ADS= UNDET ADT= 0.0015
216.028	7.73		3	100%	57%	RS-9	AS ABOVE GRAY WEATH. SL.-MOD. FRAC. GRANITE. AMPHIBOLITE DIKE @ 8.86-9.21 FRAC. DIPPING @ 20°, ADS= 0.11 ADT= 0.0015 OTHER FRAC. DIPPING @ 40,50, 60°, ADS= UNDET ADT=0.0015
214.548	9.21		4	99%	40%	RS-10	9.21-9.30 GRAY MOD.WEATH. MOD. FRAC. GRANITE 9.30-10.70 LT GREEN SL. WEATH. EXT.FRAC. BIOTITE GRANITE. FRAC. DIP @ 20°, ADS= 0.10 ADT= 0.0015 MORE FRAC. DIP @ 40, 50, 70°, ADS UNDET ADT= 0.0015
213.058	10.70		5	71%	18%	RS-11	LT GREEN SL. WEATH. EXT. FRAC. BIOTITE GRANITE. 10.88-11.67 FAULT CONSISTING OF GRAY DK. GREEN GRANODIORITE GOUGE MATERIAL DIP 60-70° MOST FRAC. DIP @ 20° ADS= 0.09 ADT= 0.0015
211.478	12.28		6	97%	49%	RS-12	MED. GRAY SL. WEATH. SL.-MOD. FRAC. F.G. GRANODIORITE FRAC. DIPPING @ 20°, ADS= 0.10 ADT= 0.0015 OTHER FRAC. DIPPING @ 60, 80° ADS= UNDET ADT= 0.0015
209.958	13.80						
NOTES ^ = DEGREE							
UNDET = UNDETERMINABLE							