

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 9 OF 16

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO. 8.2801601	ID. B-3828	COUNTY CLEVELAND	GEOLOGIST ROGERS J.P.
SITE DESCRIPTION BRIDGE NO. 233 ON SR 1906 OVER BUFFALO CREEK			GROUND WATER
BORING NO. B1-A	BORING LOCATION 14+60.00	OFFSET -7.00	ALIGNMENT L
COLLAR ELEVATION 784.50	NORTHING 600411.9659	EASTING 1260385.6142	0 HR.
TOTAL DEPTH 48.5	DRILL MACHINE CME-550	DRILL METHOD NWCAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 2/26/03	COMPLETION DATE 2/26/03	SURFACE WATER DEPTH	DEPTH TO ROCK 28.3

PROJECT NO: 8.2801601 PROJECT ID: B-3828 COUNTY: CLEVELAND GEOLOGIST: J.P. ROGERS  
 SITE DESCRIPTION: BRIDGE # 233 ON SR 1906 OVER BUFFALO CREEK. DRILLER: J.E. ESTEP  
 BORING NO: B1-A BORING LOCATION (STA): 14+60 -L- OFFSET: 7.0' LT.  
 COLLAR ELEV: 784.50' PERSONNEL: CORE SIZE: NXWL  
 TOTAL DEPTH: 48.50' DRILL MACHINE: CME-550 DATE STARTED: 02/26/03  
 TOTAL RUN: 20.20' DRILL EQUIP: DATE COMPLETED: 02/26/03

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100				
784.50														(ALLUVIUM) GRAY-BRN V. LOOSE WET CSE. & F. SAND
780.00	3.9	0	1	1	1									
775.00	8.9	25	50	20	1									BRN-TAN-WHITE V. DENSE WET SILTY F. SAND
770.00	13.9	1	1	1	1									(RESIDUAL) BRN-TAN-WHITE SOFT TO HARD (ALTERNATING LAYERS) WET F. SANDY SILT
765.00	18.9	1	2	2	1									
760.00	23.9	10	8	6	1									
755.00	28.3	100			0									WEATHERED ROCK (SEV. WEATH. META. GRANITE)
750.00	34													BLACK-WHITE SLI. WEATH. HARD META GRANITE REC=100% RQD=85%
745.00	38.6													BLACK-WHITE MOD. WEATH. SOFT TO HARD META GRANITE REC=46% RQD=20%
740.00	43.6													BLACK-WHITE MOD. TO SLI. WEATH. MED. HARD TO HARD META GRANITE REC=87% RQD=57%
735.00														BLACK-WHITE SLI. WEATH. HARD META GRANITE REC=96% RQD=63%
730.00														BLACK-WHITE V. SLI. WEATH. HARD META GRANITE REC=100% RQD=85%
725.00														
720.00														
715.00														
710.00														
705.00														BORING TERMINATED AT ELEV. 736.0' IN BLACK-WHITE SLI. WEATH. HARD META-GRANITE W/ CLOSE FRAC.

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
756.20	28.30		1	100	85		BLK./WHITE, SLI. WEATH. & HARD, META. GRANITE.  FS = CLOSE
755.50	29.00		2	46	20		BLK./WHITE, MOD. WEATH. & SOFT TO HARD, META. GRANITE.  FS = VERY CLOSE TO CLOSE
750.50	34.00		3	87	57		BLK./WHITE, MOD. TO SLI. WEATH. & MED. HARD TO HARD, META. GRANITE.  FS = VERY CLOSE TO MOD. CLOSE
745.90	38.60		4	96	63		BLK./WHITE, SLI. WEATH. & HARD, META. GRANITE.  FS = CLOSE TO MOD. CLOSE
740.90	43.60		5	100	85		BLK./WHITE, V. SLI. WEATH. & HARD, META. GRANITE.  FS = CLOSE TO MOD. CLOSE
736.00	48.50						
NOTES							