

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 13 OF 18

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

PROJECT NO. 33337.1.1	ID. B-3901	COUNTY ROCKINGHAM	GEOLOGIST JKS
SITE DESCRIPTION BRIDGE NO. 181 ON SR 1501 OVER MATRIMONY CREEK			GROUND WATER
BORING NO. B2-B	BORING LOCATION 23+72.00	OFFSET 15.00	ALIGNMENT L
COLLAR ELEVATION 612.70			0 HR. 2.7
NORTHING 1011972.8885		EASTING 1754481.0275	24 HR. 3.0
TOTAL DEPTH 27.6	DRILL MACHINE CME 550 X	DRILL METHOD NW CAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 8/4/03	COMPLETION DATE 8/4/03	SURFACE WATER DEPTH	DEPTH TO ROCK 6.8

PROJECT NO: 33337.1.1 PROJECT ID: B-3901 COUNTY: Rockingham GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: Bridge # 181 on SR 1501 over Matrimony Creek DRILLER: C.L. SMITH
 BORING NO: B2-B BORING LOCATION (STA): 23+72 -L- OFFSET: 15RT
 COLLAR ELEV: 612.7 PERSONNEL: CEB CORE SIZE: NXWL
 TOTAL DEPTH: 27.6 DRILL MACHINE: CME-550 DATE STARTED: 8/4/03
 TOTAL RUN: 20.8 DRILL EQUIP: NWCAS/NXWL DATE COMPLETED: 8/4/03

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
				0	25	50	75			
612.70									S-1	(ALLUVIUM) TAN-BRN DENSE MIC. SAND
610.00										
605.00	5.8 6.8	69 31	0.6						SS-1 RUN 1	(RESIDUAL) BRN V. DENSE MIC. SILTY CSE. & F. SAND
600.00	10.5								RUN 2	WEATHERED ROCK (GRAY-WHITE V. DENSE MIC. SILTY CSE. & F. SAND)
595.00	15.5								RUN 3	WHITE-GRAY MED. HARD TO MOD. HARD GNEISSIC SCHIST WITH MOD. TO SLI. WEATHERING REC=89% RQD=43%
590.00	20.4								RUN 4 RS-3	WHITE-GRAY MOD. HARD TO HARD V. SLI. WEATH. TO FRESH MIC. GNEISSIC SCHIST. REC=88% RQD=57%
585.00	25.5								RUN 5	WHITE-GRAY MOD. HARD TO HARD FRESH MIC. GNEISSIC SCHIST. REC=94% RQD=88%
580.00										WHITE-GRAY MOD. HARD TO HARD FRESH MIC. GNEISSIC SCHIST. REC=87% RQD=79%
575.00										WHITE-GRAY MOD. HARD TO HARD FRESH MIC. GNEISSIC SCHIST. REC=90% RQD=79%
570.00										
565.00										
560.00										
555.00										
550.00										
545.00										
540.00										
535.00										

BORING TERMINATED AT ELEVATION 585.10 FEET IN HARD ROCK.

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
605.9	6.8	0.82	1	89	43		WHITE-GRAY MEDIUM HARD TO MODERATELY HARD MIC. GNEISSIC SCHIST WITH MODERATELY CLOSE TO CLOSE SPACING AND MODERATE TO SLIGHT WEATHERING.
602.2	10.5	0.83	2	88	57		WHITE-GRAY MODERATELY HARD TO HARD MIC. GNEISSIC SCHIST WITH V. SLIGHT TO FRESH WEATHERING AND CLOSE TO V. CLOSE SPACING.
597.2	15.5	1.47	3	94	88		WHITE-GRAY MODERATELY HARD TO HARD FRESH MIC. GNEISSIC SCHIST WITH CLOSE TO V. CLOSE SPACING.
592.3	20.4	2.03	4	87	79	RS-3 20.4-21.1	WHITE-GRAY MODERATELY HARD TO HARD FRESH MIC. GNEISSIC SCHIST WITH CLOSE TO VERY CLOSE SPACING. AT 24.2-24.4' THERE IS A V. SOFT WEATHERED MIC. LAYER.
587.2	25.5	1.01	5	90	79		WHITE-GRAY MODERATELY HARD TO HARD FRESH MIC. GNEISSIC SCHIST WITH CLOSE TO V. CLOSE SPACING.
585.10	27.6						
NOTES							