

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 12 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-A	BORING LOCATION 23+57.50	OFFSET -20.50	ALIGNMENT L
COLLAR ELEVATION 613.72	NORTHING 1012011.0183	EASTING 1754476.9509	0 HR. 2.0
TOTAL DEPTH 27.4	DRILL MACHINE CME 550 X	DRILL METHOD NW CAS/NXWL	24 HR. 2.4
START DATE 8/4/03	COMPLETION DATE 8/4/03	SURFACE WATER DEPTH	DEPTH TO ROCK 7.1

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-A BORING LOCATION (STA): 23+57.5 -L- OFFSET: 20.5 LT
 COLLAR ELEV: 613.72 PERSONNEL: CEB CORE SIZE: NXWL
 TOTAL DEPTH: 27.4 DRILL MACHINE: CME-550 DATE STARTED: 8/5/03
 TOTAL RUN: 20.3 DRILL EQUIP: NWCAS/NXWL DATE COMPLETED: 8/5/03

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5'	1.0'	1.5'		0	25	50	75			
613.72												(ALLUVIUM) TAN-BRN V. LOOSE TO DENSE MIC. SAND
610.00	4.8	1	2	30	1							X 32
605.00	7.1											RUN 1 WEATHERED ROCK
600.00	9.5											RUN 2 WHITE-GRAY MOD. HARD TO HARD V. SLI. WEATH. TO FRESH MIC. GNEISSIC SCHIST. REC=92% RQD=44%
595.00	14.5											RUN 3 WHITE-GRAY TO 13.7 THEN BLACK-GRAY MOD. HARD TO HARD MIC. GNEISSIC SCHIST REC=95% RQD=59%
590.00	19.5											RUN 4 WHITE-GRAY HARD FRESH MIC. GNEISSIC SCHIST. REC=87% RQD=75%
585.00	24.5											RUN 5 WHITE-GRAY HARD FRESH MIC. GNEISSIC SCHIST REC=97% RQD=84%
580.00												RS-2 WHITE-GRAY HARD FRESH MIC. GNEISSIC SCHIST REC=73% RQD=73%
575.00												
570.00												
565.00												
560.00												
555.00												
550.00												
545.00												
540.00												
535.00												

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
606.62	7.1	1.43	1	92	44		WHITE-GRAY MODERATELY HARD TO HARD MIC. GNEISSIC SCHIST WITH VERY SLIGHT TO FRESH WEATHERING AND CLOSE TO V. CLOSE SPACING.
604.22	9.5	1.2	2	95	59		WHITE-GRAY MODERATELY HARD TO HARD MIC. GNEISSIC SCHIST WITH CLOSE TO VERY CLOSE SPACING. AT 13.7' CHANGE TO BLACK-GRAY MODERATELY HARD TO HARD MIC. GNEISSIC SCHIST WITH V. CLOSE SPACING.
599.22	14.5	1.3	3	87	75		WHITE-GRAY HARD FRESH MIC. GNEISSIC SCHIST WITH CLOSE TO V. CLOSE SPACING.
594.22	19.5	3.46	4	97	84		WHITE-GRAY HARD FRESH MIC. GNEISSIC SCHIST WITH CLOSE TO V. CLOSE SPACING.
589.32	24.4	2.91	5	73	73	RS-2 25.5- 26.15	WHITE-GRAY HARD FRESH MIC. GNEISSIC SCHIST WITH CLOSE TO V. CLOSE SPACING.
586.32	27.4						
NOTES							

BORING TERMINATED AT
 ELEVATION 586.32 FEET
 IN HARD ROCK.