

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 11 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. B1-B	BORING LOCATION 23+15.00	OFFSET 7.00	ALIGNMENT L
COLLAR ELEVATION 610.39	NORTHING 1011996.3956	EASTING 1754428.4878	0 HR. 0
TOTAL DEPTH 25.7	DRILL MACHINE CME 550 X	DRILL METHOD NW CAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 8/5/03	COMPLETION DATE 8/5/03	SURFACE WATER DEPTH	DEPTH TO ROCK 9.8

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: B1-B BORING LOCATION (STA): 23+15 -L- OFFSET: 7 RT
 COLLAR ELEV: 610.39 PERSONNEL: CEB CORE SIZE: NXWL
 TOTAL DEPTH: 25.7 DRILL MACHINE: CME-550 DATE STARTED: 8/5/03
 TOTAL RUN: 15.9 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'	0.5'	0.5'		0	25	50	75			
610.39												
610.00	1.7	9	26	22	1							(ALLUVIUM) TAN-BRN DENSE MIC. SAND W/QUARTZ GRAVEL
605.00	6.7	17	51	49	1							(RESIDUAL) BRN DENSE MIC. SILTY F. SAND WEATHERED ROCK
600.00	9.8											SS-3
595.00	16.2											RUN 1
590.00	20.6											RUN 2
85.00												RUN 3
580.00												RS-1
575.00												RUN 4
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
610.00	1.7						
600.59	9.8	3.13	1	81	0		WHITE-GRAY MODERATELY HARD TO HARD MIC. GNEISSIC SCHIST WITH MODERATE TO SLIGHT WEATHERING AND CLOSE SPACING.
598.99	11.4	3.42	2	100	97		WHITE-GRAY MODERATELY HARD TO HARD FRESH MIC. GNEISSIC SCHIST WITH CLOSE TO V. CLOSE SPACING.
594.19	16.2	3.3	3	100	62	RS-1 20.05- 20.65	WHITE-GRAY MODERATELY HARD TO HARD V. SLIGHT TO FRESH MIC. GNEISSIC SCHIST WITH MODERATELY CLOSE TO CLOSE SPACING.
589.49	20.9	3.03	4	97	97		WHITE-GRAY MODERATELY HARD TO HARD FRESH MIC. GNEISSIC SCHIST WITH CLOSE TO V. CLOSE SPACING. (ONE SOLID PIECE)
584.69	25.7						
NOTES							

BORING TERMINATED AT
 ELEVATION 584.69 FEET
 IN HARD ROCK