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N.C.D.O.T. GEOTECHNICAL UNIT  
BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.2711901		ID. B-3607		COUNTY ASHE		GEOLOGIST C. BRUINSMA							
SITE DESCRIPTION BRIDGE #503 ON SR 1674 OVER BUFFALO CREEK						GROUND WATER (ft)							
BORING NO. EB1-B		BORING LOCATION 10+22		OFFSET 12' RT.		ALIGNMENT -L-							
COLLAR ELEV. 2680.3 ft		NORTHING 996,914.3		EASTING 1,260,976.6		0 HR. 12.4							
TOTAL DEPTH 15.90 ft		DRILL MACHINE DIEDRICH D50		DRILL METHOD HOLLOW STEM AUGER		HAMMER TYPE AUTO							
DATE STARTED 5-7-03		COMPLETED 5-8-03		SURFACE WATER DEPTH N/A									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
2680.30													EXISTING GROUND
2680	1.00	2	2	1								D	RDWY EMB: LT. ORANGE BROWN, V. LOOSE, SILTY SAND (A-2-4) MICACEOUS
	3.50	1	1	2								SS-1	
2675	5.60											M	2675.10 WR: BLACK, BROWN AND WHITE AMPHIBOLITE
													2674.10 CR: SLI. WEATHERED, MOD. HARD TO HARD, CLOSELY FRACTURED, BLACK, WHITE AND GRAY, AMPHIBOLITE
													2669.70 CR: MOD. TO SEV. WEATHERED, MED. HARD TO V. SOFT, CLOSE TO V. CLOSELY FRACTURED, BLACK, BROWN AND GRAY AMPHIBOLITE SCHIST WITH 2 0.5' WIDE ZONES OF WR
2670													2667.20 CR: V. SLI. WEATHERED, HARD, CLOSELY FRACTURED, BLACK, WHITE AND GRAY AMPHIBOLITE GNEISS
													2664.90 WR: SEV. WEATHERED, V. SOFT, CLOSE TO V. CLOSELY FRACTURED, BROWN AND BLACK AMPHIBOLITE SCHIST
2665	15.60												2664.40 WR: BROWN AND BLACK AMPHIBOLITE SCHIST

NCDOT\_BORE\_03-016(ASHE CO., BRIDGE#503 OVER BUFFALO CREEK) GPJ NCDOT.GDT 7/15/03

CORE BORING REPORT

DATE: 05/07/03-05/08/03

PROJECT: 8.2711901 I.D. NO.: B-3607 BORING NO: EB1-B GEOLOGIST: C. BRUINSMA

DESCRIPTION: BRIDGE #503 ON SR 1674 OVER BUFFALO CREEK

COUNTY: ASHE COLLAR ELEV.: 2680.3 FT TOTAL DEPTH: 15.9 FT

ELEV. (FT)	DEPTH (FT)	DRILL RATE MIN/FT	RUN (FT)	REC FT %	RQD FT %	SAMP #	FIELD CLASSIFICATION AND REMARKS
2674.5	5.8	1:45					5.2-6.2 WR: BROWN AND BLACK AMPHIBOLITE STRATA REC = 0% STRATA RQD= N/A
		1:50		4.4/4.8	3.1/4.8		
		2:20	4.8			RS-2	6.2-10.6 CR: SLI. WEATHERED, MOD. HARD TO HARD, CLOSELY FRACTURED, BLACK, WHITE AND GRAY, AMPHIBOLITE
		2:45		91.7%	64.6%		
2669.7	10.6	2:05/0.8					STRATA REC = 100% STRATA RQD= 70.4%
2669.7	10.6	3:00					10.6-13.1 CR: MOD. TO SEV. WEATHERED, MED. HARD TO V. SOFT, CLOSE TO V. CLOSELY FRACTURED, BLACK, BROWN AND GRAY AMPHIBOLITE SCHIST, (2-0.5' WIDE ZONES OF WR)
		3:00	5.0	4.7/5.0	3.15/5.0		
		3:00		94.0%	63.0%		
2664.7	15.6	2:30					STRATA REC = 88% STRATA RQD= 50%
							13.1-15.4 CR: V. SLI. WEATHERED, HARD, CLOSELY FRACTURED, BLACK, WHITE AND GRAY AMPHIBOLITE GNEISS
							STRATA REC = 100% STRATA RQD= 82.6%
							15.4-15.9 WR: SEV. WEATHERED, V. SOFT, CLOSE TO V. CLOSELY FRACTURED, BROWN AND BLACK AMPHIBOLITE SCHIST
							STRATA REC = 100% STRATA RQD= N/A
							SPT AT 15.6' N=60/0.25

CORING TERMINATED AT 15.9 FT  
ELEVATION 2664.4 FT

DRILLER: C. COFFINDAFFER CORE SIZE: HQ3 EQUIPMENT: DIEDRICH D50 TRACK