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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-A		BORING LOCATION 10+28		OFFSET 18' LT.		ALIGNMENT -L-							
COLLAR ELEV. 2680.3 ft		NORTHING 996,942.5		EASTING 1,260,987.3		0 HR. 12.1							
TOTAL DEPTH 25.40 ft		DRILL MACHINE DIEDRICH D50		DRILL METHOD HOLLOW STEM AUGER		HAMMER TYPE AUTO							
DATE STARTED 5-7-03		COMPLETED 5-7-03		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	5	12	88									RDWY EMB: RED BROWN, STIFF, SANDY CLAYEY SILT (A-5) WITH ROCK FRAGMENTS
													2678.30 WR: BLACK AND WHITE AMPHIBOLITE
													2677.50 CR: SLI. TO MOD. WEATHERED, MOD. HARD TO SOFT, V. CLOSELY FRACTURED, BLACK, WHITE AND BROWN AMPHIBOLITE GNEISS
													2676.80 WR: SEV. WEATHERED, V. SOFT, V. CLOSELY FRACTURED, BROWN AND BLACK AMPHIBOLITE
2675	5.40	36	64.4										2673.00 CR: SLI. TO MOD. SEV. WEATHERED, MOD. HARD TO MED. HARD, CLOSE TO V. CLOSELY FRACTURED, BLACK, WHITE TO BROWN AMPHIBOLITE SCHIST
													2671.70 WR: MOD. SEV. TO SEV. WEATHERED, SOFT TO V. SOFT, V. CLOSELY TO CLOSELY FRACTURED, BLACK AND BROWN AMPHIBOLITE
2670	10.40	100											2667.10 CR: V. SLI. WEATHERED, MOD. HARD, V. CLOSELY TO CLOSELY FRACTURED, BLACK AND WHITE AMPHIBOLITE GNEISS WITH QUARTZ INTRUSIONS
2665													
2660													
2655													2654.90 CORING TERMINATED AT ELEV. 2654.9' IN CR: BLACK AND WHITE AMPHIBOLITE GNEISS WITH QUARTZ INTRUSIONS

CORE BORING REPORT

DATE: 05/07/03

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

DESCRIPTION: BRIDGE #503 ON SR 1674 OVER BUFFALO CREEK

COUNTY: ASHE COLLAR ELEV.: 2680.3 FT TOTAL DEPTH: 25.4 FT

ELEV. (FT)	DEPTH (FT)	DRILL RATE MIN/FT	RUN (M)	REC FT %	RQD FT %	SAMP #	FIELD CLASSIFICATION AND REMARKS
2677.5	2.8	8:00	2.6	0.7/2.6	0/2.6		2.8-3.5 CR: SLI. TO MOD. WEATHERED, MOD. HARD TO SOFT, V. CLOSELY FRACTURED, BLACK, WHITE AND BROWN AMPHIBOLITE GNEISS
		1:45					
		1:25/0.6					
2674.9	5.4			26.9%	0%		STRATA REC = 100% STRATA RQD= 0%
2674.9	6.3	1:45	2.0	0.3/2.0	0/2.0		3.5-7.3 WR: SEV. WEATHERED, V. SOFT, V. CLOSELY FRACTURED, BROWN AND BLACK AMPHIBOLITE
		4:30					
2672.9	7.4			15.0%	0%		STRATA REC = 5.3% STRATA RQD= N/A SPT AT 5.4' N=100/0.9
2672.9	7.4	4:15	3.0	2.2/3.0	0/3.0		7.3-8.6 CR: SLI. TO MOD. SEV. WEATHERED, MOD. HARD TO MED. HARD, CLOSE TO V. CLOSELY FRACTURED, BLACK, WHITE TO BROWN AMPHIBOLITE SCHIST
		8:05					
		1:45					
2669.9	10.4			73%	0%		STRATA REC = 76.9% STRATA RQD= 0%
2669.9	10.9	2:00	5.0	2.2/5.0	1.3/5.0	RS-1	8.6-13.2 WR: MOD. SEV. TO SEV. WEATHERED, SOFT TO V. SOFT, V. CLOSELY TO CLOSELY FRACTURED, BLACK AND BROWN AMPHIBOLITE
		2:00					
		2:00					
		2:00					
2664.9	15.4	2:30	5.0	5.0/5.0	4.3/5.0		13.2-25.4 CR: V. SLI. WEATHERED, MOD. HARD, V. CLOSELY TO CLOSELY FRACTURED, BLACK AND WHITE AMPHIBOLITE GNEISS WITH QUARTZ INTRUSIONS
2664.9	15.4	2:00					
		2:00					
		2:00					
2659.9	20.4	2:00		100%	86.0%		
2659.9	20.4	2:30	5.0	5.0/5.0	4.35/5.0		
		2:00					
		2:00					
		2:30					
2654.9	25.4	2:30		100%	87.0%		STRATA REC = 100% STRATA RQD= 81.6%

CORING TERMINATED AT 25.4 FT
ELEVATION 2654.9 FT

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

NCDOT_BORE_03-016(ASHE CO., BRIDGE#503 OVER BUFFALO CREEK).GPJ NCDOT.GDT 7/15/03