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

PROJECT NO. 33253.1.1	**ID No.** B-3714	**COUNTY** Wilkes	**GEOLOGIST** P. Alton/B. Morton
SITE DESCRIPTION Bridge No. 83 over Mulberry Creek on NC 268			**GROUND WATER (ft)**
BORING NO. TEB1-C	**BORING LOCATION** 16+29	**OFFSET** 3ft RT	**ALIGNMENT** -L-	0 HR. NM
COLLAR ELEV. 987.3 ft	**NORTHING** 895302.96	**EASTING** 1376352.65	24 HR. 2.0
TOTAL DEPTH 34.1 ft	**DRILL MACHINE** Mobile B-57	**DRILL METHOD** Wash Rotary	**HAMMER TYPE** 140lb Manual
DATE STARTED 12/11/04	**COMPLETED** 12/14/04	**SURFACE WATER DEPTH** NA	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
987.3									987.3 — 0.00
986.3	1.0								ALLUVIAL: Loose to Medium Dense, Tan Brown, Micaceous, Silty, Coarse to Fine SAND
983.8	3.5	4	4	5	9				
981.3	6.0	4	5	5	10	SS-18	W		NOTE: Some gravel at 8.5ft
978.8	8.5	1	3	3	6		W		Blow count at 8.5ft influenced by gravel
973.8	13.5	5	8	17	25		W		
968.8	18.5	11	27	40	67	SS-19	16.4%		972.8 — 14.5 RESIDUAL: Hard, Tan and Brown, Micaceous, Coarse to Fine Sandy SILT (Saprolite)
963.8	23.5	32	68/0.4		100/0.9				968.3 — 19.0 WEATHERED ROCK; Brown White Gneiss
958.8	28.5	13	87/0.4		100/0.9				
953.8	33.5	12	60	40/0.1	100/0.6				953.2 — 34.1
		60	40/0.1		100/0.1				Boring Terminated at Elevation 953.2ft in WEATHERED ROCK: Biotite Gneiss

NOTE: Bentonite and creek water used as drilling fluid

Mud density = 64.8lbs/cu. ft. at 13.5ft

NCDOT BORE SINGLE 07104040.GPJ NC_DOT.GDT 12/23/04

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1761801	ID B-3714	COUNTY WILKES	GEOLOGIST T B DANIEL
SITE DESCRIPTION BRIDGE NO.83 ON NC-268 OVER MULBERRY CREEK			GND WATER
BORING NO EB1-B	NORTHING 895256.42	EASTING 1376376.83	0 HR 8.50ft
ALIGNMENT -L-	STATION 16+35.800	OFFSET 55.00ft RT	24 HR 9.20ft
COLLAR ELEV 997.56ft	TOTAL DEPTH 53.70ft	START DATE 6/10/03	COMPLETION DATE 06/10/03
DRILL MACHINE CME 550	DRILL METHOD SPT CORE BORING		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH	DEPTH TO ROCK N/A		Log EB1-B, Page 1 of 1

ELEV	DEPTH	BLOW CT 6in	6in	6in	PEN (ft)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
997.56						Ground Surface				
	3.40	2	3	2	1.0	5	SS-7	M		EMBANKMENT: RED-BROWN SILT CLAY, MOIST
990.00	8.40	2	4	5	1.0	9				ALLUVIUM: BROWN SANDY SILT, SLI MIC, WET.
	13.40	2	3	4	1.0	7	SS-8	W		
980.00	18.40	70	30	ND	0.1	100				SAPROLITE: BROWN SANDY SILT, MOIST.
	23.40	34	66	ND	0.4	100				WEATHERED ROCK: TAN SANDY SILT WITH MICA.
970.00	28.40	75	ND	ND	0.3	75	SS-9	M		
	33.40	50	ND	ND	0.1	50				
960.00	38.40	50	ND	ND	0.2	50				
	43.40	50	ND	ND	0.2	50				
950.00	48.40	70	30	ND	0.1	100				
943.86	53.40	75	ND	ND	0.3	75	SS-10	M		
						BORING TERMINATED AT ELEV 943.86 IN WEATHERED ROCK				