N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG **SHEET 16 OF 40**

PAGE 1 OF 1

PROJECT NO. 33253.1.1	**ID No.** B-3714	**COUNTY** Wilkes	**GEOLOGIST** P. Alton
SITE DESCRIPTION Bridge No. 83 over Mulberry Creek on NC 268			**GROUND WATER (ft)**
BORING NO. TEB1-A	**BORING LOCATION** 16+31	**OFFSET** 17ft LT	**ALIGNMENT** -L-	**0 HR.** NM
COLLAR ELEV. 988.8 ft	**NORTHING** 895322.86	**EASTING** 1376348.02		**24 HR.** 2.5
TOTAL DEPTH 38.8 ft	**DRILL MACHINE** Mobile B-57	**DRILL METHOD** Wash Rotary	**HAMMER TYPE** 140lb Manual
DATE STARTED 12/10/04	**COMPLETED** 12/11/04	**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
988.8									988.8 0.00
987.8	1.0								ALLUVIAL: Loose, Brown and Gray, Variably Micaceous, Silty, Coarse to Fine SAND with a Trace of Organics (Root Fragments)
985.3	3.5	2	2	3	5		M		
982.8	6.0	3	3	3	6		W		
980.3	8.5	2	2	4	6		W		980.3 8.5
975.3	13.5	13	27	14	41		W		ALLUVIAL: Dense, Brown and Gray, Silty, Coarse to Fine Sand and Gravel with a Trace of Mica NOTE: Blow count influenced by gravel
970.3	18.5	7	16	84/0.3	100/0.8		W		974.3 14.5 ALLUVIAL: Gravel and Cobbles (Old Stream Bed Material) 972.8 16.0
965.3	23.5	24	29	34	63		M		RESIDUAL: Hard, Tan and Brown, Micaceous, Coarse to Fine Sandy SILT (Saprolite) 964.8 24.0
960.3	28.5	35	65/0.4		100/0.9				WEATHERED ROCK: White and Brown Biotite Gneiss 961.3 27.5
955.3	33.5	60/0.1			60/0.1				CRYSTALLINE ROCK: White with Brown Calc-Silicate Rock 957.3 31.5
950.3	38.5	63	37/0.2		100/0.7				WEATHERED ROCK: White, Black, and Brown Biotite Gneiss 952.8 36.0
		100/0.3			100/0.3				WEATHERED ROCK: White Calc-silicate Rock 950.0 38.8 Boring Terminated at Elevation 950.0ft in WEATHERED ROCK: Calc-Silicate Rock NOTE: Bentonite and creek water used as drilling fluid Mud density = 63.5lbs/cu. ft. at 6.0ft