NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

GEOTECHNICAL UNIT BORING LOG														
PROJEC	T NO 8.2	7610	01]	D B-3	3266	COU	COUNTY WILKES			GEO	LO	GIST L.L.ACKER	
SITE DESCRIPTION BR. 264 ON SR-1567 OV												GND WATER		
BORING NO B1-A NORTHING 0								00			G 0.00	0 HR 1.40m		
								ATION 12+34.500			3.00n	T	24 HR N/A	
COLLAR					ГОТА	L DEPTI	1 15.26r	n S	TART D	ATE 11/1	3/03		COMPLETION	DATE 11/14/03
DRILL MACHINE CME-45							DRILL METHOD SPT						HAMMER TYPE AUTOMATIC	
SURFACE WATER DEPTH					IDENI	Б	DEPTH TO ROCK 8.88 LOWS PER 30cm						Log B1-A, Page 1 of 1 SOIL AND ROCK	
ELEV	DEPTH	i .			PEN (m)				m 5 10	SAMPLE	MOI	Ιō	SOIL AN	
		15cm	15Cm	15Cm	(''')	Ť	i -	, 	5 10 	NO	MOI	G	DESCR	RIPTION
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388.94		·	ļ	ļ			<u>Ground</u>	Surface				2007000		·······
-	=									<i>i</i> .			ALLUVIUM: BI	ROWN LOOSE SAND
388.00	1.11	5	8	22	0.30		30					0000		
-							X ::::				M	0000	ALLUVIUM: SILTY AND BO	' SAND, GRAVEI III DEBS
	_						J=====					0000	AND BO	OLDENS
_	2.63	2	3	11	0.30	1	1						SAPROLITE:	DARK GRAY,
386.00_	_		5			一大					W		MICACEOUS	SILTY SAND
_	E													
	4.16	17	47	53	29.50				400					
_			''		["]					SS-21	M	S.	WEATHERED RO	CK: SEVERELY
384.00_	_					=====	=====						WEATHERED B	OTITE GNEISS
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-	-												REC=37	
382.00								=====	=====					
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380.00													HARD ROCK: N	MOD TO MOD
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	-												GNEISS REC	=72 RQD=15
270.00	E ·													
378.00_ -	_													
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276 00	<u> </u>												HARD ROCK	
376.00	_					======		======	======				WEATHERED GF	RANITE REC=62
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	-												\ BIOTITE GNE	SS REC=100
274 00						<u> </u>		=====	=====	RS-1			\RQD)=32
374.00_ - 373.68 -													HARD ROCK: F	
	_				h	ERMINA	TED B	ORING	NHARD	,			GNEISS REC	-30 KMD=88
	<u> </u>					ROCK	TT ELEY	ATION	373.68					
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PROJECT NO: 8.2761001 B-3266 WILKES COUNTY

CORE BORING REPORT

B1-A

CORE 1: 4.66 – 6.16	REC=42% RQD=0%
CORE 2: 6.16 – 7.68	REC=51% RQD=0%
CORE 3: 7.68 – 9.20	REC=31% RQD=0%
CORE 4: 9.20 – 10.72	REC=67% RQD=18%
CORE 5: 10.72 – 12.24	REC=70% RQD=16%
CORE 6: 12.24 – 13.76	REC=76% RQD=20%
CORE 7: 13.76 – 15.26	REC=96% RQD=87%

- LAYER 1: 4.66 8.88 Very soft to moderately hard, very severely to moderately severely weathered biotite gneiss; most not recovered. Granite layer around 7 to 8 meters depth, very severely weathered. Longest piece 9 cm. Joints indeterminate. REC=37% RQD=0%
- LAYER 2: 8.88 12.26 Medium hard to hard with soft seams, moderately to moderately severely weathered biotite gneiss. Very close to close fractured, 54 pieces, longest piece15 cm. Foliated at 20 degrees; about 50 joints on foliation. 3 joints at 20-30 degrees. 1 joint at 60 degrees. All joints smooth to moderately rough, coated with Fe- and Mn-oxides. REC=72% RQD=15%
- LAYER 3: 12.26 13.17 Medium hard, moderately severely weathered granite. Very close to close fractured, 10 pieces, longest piece 16 cm. Mostly rubble, joints indeterminate. REC=62% RQD=30%
- LAYER 4: 13.17 13.76 Hard, slightly weathered biotite gneiss. Very close to close fractured, 13 pieces, longest piece 19 cm. 12 joints on foliation at 10 degrees, smooth, coated with a little Fe-oxide or alum. REC=100% RQD=32%
- LAYER 5: 13.76 15.26 Hard, fresh biotite gneiss. Close fractured, 7 pieces, longest piece 33 cm. 8 joints on foliation at 10-20 degrees, smooth, clean. REC=98% RQD=88%