



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

SHEET 1 OF 1

PROJECT NO. 8.2301001		ID. B-3182		COUNTY Halifax		GEOLOGIST M. Potratz									
SITE DESCRIPTION Bridge # 145 over Hawtree Creek on SR 1333							GROUND WATER (ft)								
BORING NO. B1-B		BORING LOCATION 14+96		OFFSET 8.0' RT.		ALIGNMENT -L-									
ELEV. 206.1 ft		NORTHING 906,279.8		EASTING 2,310,549.5		NA									
TOTAL DEPTH 35.50 ft		DRILL MACHINE CME 550		DRILL METHOD HSA		HAMMER TYPE Manual									
DATE STARTED 12/17/03		COMPLETED 12/17/03		SURFACE WATER DEPTH 4.1											
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION			
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100		
206.10	0.00	22	65	35/0.2									206.1 205.6	0.0 0.5	ALLUVIUM: Medium dense, gray, silty SAND (A-2-4). WEATHERED ROCK: Gray METAMUDSTONE.
195.6	10.5												195.6	10.5	NON-CRYSTALLINE ROCK: Moderately severe to severe, moderately hard to medium hard, gray and blue-green METAMUDSTONE with close to very close fracture spacing, iron staining of fracture surfaces, and zones of WVR (METAMUDSTONE).
170.6	35.5	100/0											170.6	35.5	Boring terminated at Elev. 170.6 (35.5 feet) with SPT refusal on NCR (METAMUDSTONE).

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO.: 8.2301001		I.D. NO.: B3182		BORING NO.: B1-B			
SITE DESCRIPTION: Bridge #145 over Hawtree Creek on SR 1333				CORE SIZE: HQ			
COLLAR ELEVATION: 206.1		DRILLER: Titan Drilling		GEOLOGIST: M. Potratz			
TOTAL DEPTH: 35.5		TOTAL RUN: 25.0		EQUIPMENT: CME 550			
				PERSONNEL: Fletcher/Jordan			
				DATE: 12/17/03			
ELEV. (ft)	DEPTH (ft)	DRILL RATE (MIN/R)	RUN # (ft)	* REC (ft) (%)	RQD (ft) (%)	SAMP. NO.	FIELD CLASSIFICATION AND REMARKS
195.6	10.5	3:00	1	4.5	0		Moderately severe to severe, moderately hard to medium hard, gray and blue-green colored METAMUDSTONE with close to very close fracture spacing, iron staining on fracture surfaces, and zones of WVR (METAMUDSTONE). SREC= 15.9/25.0= 64% SRQD= 0/25.0= 0% * Poor recovery due to the washing away of severely weathered material.
		3:00					
		3:00					
		3:00					
		3:00					
		3:00					
190.6	15.5		5.0	90%	0		
190.6	15.5	2:00	2	3.8	0		
		3:00					
		2:00					
		4:00					
		4:00					
185.6	20.5		5.0	76%	0		
185.6	20.5	2:00	3	2.5			
		2:00					
		3:00					
		3:00					
180.6	25.5		5.0	50%			
180.6	25.5	3:00	4	3.4	0		
		2:00					
		4:00					
		3:00					
		5:00					
175.6	30.5		5.0	68%	0		
175.6	30.5	SPT N=50/0					
	30.5	3:00	5	1.7	0		
		2:00					
		2:00					
		4:00					
		4:00					
170.6	35.5		5.0	34%			
170.6	35.5	SPT N=50/0					
170.6	35.5	SPT N=50/0					

Coring Terminated @ 35.5 feet.
Elevation 170.6 feet.

NCDOT_BORE 7003506A, NCDOT_GDT 2/10/04