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GEOTECHNICAL • ENVIRONMENTAL • MATERIALS ENGINEERS • LABORATORIES "OVER ONE HUNDRED YEARS OF SERVICE"

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

SHEET 1 OF 1

٥ŧE	CT NO.	8.T31	1002			ID. F	R-2552E	3	1	COUNTY	Johns	ton			GEOLOGI	ST D.	Carr	
SHE DESCRIPTION Relocation of Bridge #207 on SR 1560 over Little Creek GROUND WATER (m														TER (m)				
BORING NO. B2-A				BORING LOCATION 14+89.80						OFFS	OFFSET 2.13m Lt. Al				ENT -Y1	I-REV	0 HR. 1.31	
COLLAR ELEV. 60.02 m				NORTHING 206,937.30						EAST	EASTING 658,535.74				24 HR. BIAD			BIAD
TOTAL	11.81	1 m	DRILL	MAC	HINE	CME 5	50 Trac	L METH	METHOD 8.26cm ID HSA HAMMER TYPE Automatic							matic		
DATE STARTED 7/13/01 COMPLETED 7/17/01 SURFACE WATER DEPTH N/A																		
ELEV. DEPTH BLOW COL			UNT BLOWS PER 30 CM						SAMP.	$\mathbf{V}/$	L	SOIL AND ROCK DESCRIPTION						
(m)	- (m)	15cm	5cm 15cm 15cm 0			20	40	40 60		100	NO.	MOI	1 -	GOIL AND NOOK DESCRIPTION				
1 4																		-
60.02	02 Ground Surface											60.02m				0.00m		
	0.00	1	1	1	2							М		_ 59.74m	Can fine rou		UVIUM- ND (A-3), with some	0.28m
	0.61	2	1	1								М		59.41m			SILT (A-4).	9 SIIT. / 0.61m
	1.07	1	WOH	1	I,							V	N	Ė	Gray/gree	1 & brow	n, silty CLAY (A-7-5 ne sand & mica.	i),
	1.98				 									- - 58.04m	with	PP=0.	.0 kg/cm²	1.98m
58-	2.59	2	3	6	: \	9 · ·						W/S			Gray & tan, s	ilty fine t	o coarse SAND (A- neter rounded grave	1-b),
	2.59	12	27	46	::	<u> </u>		: : : :	73			М	888	57.43m	***************************************			1. 2.59m
	Ė l				: :				::[]	: : : :				E	Tan, fine	to coars	SIDUAL- Se sandy SILT (A-4)	
<u> </u>	‡ , , ,				::									=		sap	rolitic.	
56-	4.11	100/9cm	<u> </u>	<u> </u>					::::::	100/9cm		М	KI	55.91m 55.82m			THERED ROCK-	4.11m -4:20m
	‡				: :					:::				<u> </u>			COVITE SCHIST- nuscovite schist.	
上 [Ē	e e			: :					:::	1.		VA)	E	Tan & brown	ı, severe	ly weathered, slight	ly to
_	<u>+ 5.72</u>	00/11cr	 	 	: :	: : :				00/11cm	1.	м	M	- '			quartz-muscovite so y weathered zones.	
54	E				: :	: : :		: : : :					BW	E				
	‡				: :	: : :							KY	-				
4	7.24	00/10cr	n	 	: :			: : : :		100/10cm		м	W	E				
	‡				::	: : :								*				
52	Ŧ				: :	: : :							15(1	E			•	
	8.76	00/11ci	nh	 	: :					100/1.1cm		м	igii	51.15m -50.88m			etely weathered	8.87m
	‡				: :								KI	F	qu	artz-mu	scovite schist.	_9. <u>14m</u>
50-	Ė											ľ	<i>}</i>	50.22m	fracture	ed quart	y weathered, moder z-muscovite schist.	, <u>9.80m</u>
30	Ŧ													49.46m			od. weath., mod. to vite schist, w/ a zone	
	生	:										М		48.94m	Tan & ora	nge, ver	ent from 9.85-10.07 y severely weathere	m. — — —
	Ŧ												511	F	Tan/gray &	white, m	quartz-muscovite so od. sev. weath., mo	ansı. , ı
	11.80	50/1cm	ļ	-	 	<u> </u>	· · · ·	<u> </u>		50/1cm		 	100	48.21m	ext. fra	c. quartz	-muscovite schist.	11.81m
	‡												1.	E .	Coring to	erminate	ed at elev. 48.21m ir SCOVITE SCHIST.	•
	Ī						,			,				E	~OAN			
	‡	-					•							Ė.				
_	Ī													E			•	
240	‡										1.			E				
5	Ė.													E				
5	‡												1.		Notes: I) Geologist i	ndicates	strata change in sp	olit
2	Ī:							,	•					F .	spoon at 0.2 2) PP=Pocke	8m.		
	f *													F 3	3) Wet spoon	at 1.98	n. coring techniques	
81	I.	and the second							·					t	at 4.20m. 5) 4.57m of c		• ,	
2	#		1										1	ŧ `	,			
S S	F			1										E				
5	İ													F				
Z	F.	L	<u> </u>									<u> </u>		F			/	
	12850	J. 1	-		,													

DATE: <u>07/16/2001</u> **CORE BORING REPORT** PROJECT: 8.T311002 I.D. NO.: R-2552B BORING NO.: B2-A GEOLOGIST: Dan Carr DESCRIPTION: Relocation of Bridge #207 on SR 1560 over Little Creek SENIOR DRILLER: J.W. Gilchrist, Jr. COLLAR ELEVATION: 60.02m COUNTY: TOTAL DEPTH: 11.81m DRILLING ASSISTANT: M.W. Renza Drill Run REC RQD Elev. Rate (m) (m) FIELD CLASSIFICATION AND REMARKS Length Sample Depth 55.82m (4.20m) 55.82 4.20 1.52 | 0.59/1.52 | 0.28/1.52 38.8% 18.4% Tan and brown severely weathered, slightly to moderately fractured, quartz-muscovite schist with disseminated pyrite. 4:37 Major joint set @ 30°, 45°, and 60° 5:02 Extremely fractured zones from 4.20-4.25m, 5.14-5.17m, 5.30-5.35m, and 5.93-5.96m. 4:51 54.30 4:48/0.32 SPT taken from 5.72-5.83m (N value=100/11cm) 1.30/1.41 1.12/1.41 5.83 4:24/0.21 92.2% 79.4% STRATA REC.= 74% STRATA RQD.= 53% 5:31 52.78 SPT taken from 7.24-7.34m (N value=100/10cm) Schist 7.34 3:57/0.22 1.42 1.35/1.42 0.91/1.42 95.1% 64.1% 4:43 5:03 4:07 51.26 8.76 5:05 SPT taken from 8.76-8.87m (N value=100/11cm) 51.15m (8.87m) 1.41/1.41 0.41/1.41 51.15 8.87 2:25/0.21 STRATA REC.= 100% STRATA RQD.= 0% 50.88m (9.14m) 100.0% 29.1% Tan and white, severely weathered, moderatley fractured, quartz-muscovite schist with disseminated pyrite. 6:27 Major joint set @ 60° STRATA REC.= 100% STRATA RQD.= 32% 50.22m (9.80m) 6:31 Tan/gray and white, moderately weathered, moderately to extremely fractured, quartz-muscovite schist with disseminated pyrite. 49.74 Zone of high feldspar content from 9.85-10.07m. 10.28 STRATA REC.= 100% 3:15 1.52 | 1.44/1.52 | 0.00/1.52 Major joint set @ 45° STRATA RQD.= 26% 49.46m (10.56m 94.7% 0.0% 4:33 Tan and orange, very severely weathered, extremely fractured, quartz-muscovite schist with disseminated pyrite. 4:11 STRATA REC.= 85% STRATA RQD.= 0% 48.94m (11.08m Tan/gray and white, moderately severely weathered, moderately to extremely fractured, quartz-muscovite schist with disseminated pyrite.
SPT taken from 11.80-11.81m (N value=50/1cm) Schist 11.80 4:06/0.32 STRATA REC.= 100% STRATA RQD.= 0% 48.21m (11.81m 48.21 11.81 Coring terminated at elevation 48.21m in quartz-muscovite schist. DRILLING EQUIPMENT: CME - 550 ATV Track rig with automatic hammer. HOLE ADVANCEMENT: HSA from 0.00 - 4.20 meters using 8.26cm hollow stem augets.
 Cored using NQ3 triple barrel and a Series 6 face-discharge diamond impregnated bit from