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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

.OJE	ECT NO.	8.T31	1002		1	ID. F	R-2552	2B		0	CTNUO	' Johi	nston			GEOLOGI	ST D.	Carr		
SITE	ESCRIP	TION	Relocat	tion of E	Bridge	#207 o	n SR	1560 o	ver Li	ttle Ci	eek							GROUN	D WATER	R (m)
· · · · · · · · · · · · · · · · · · ·						4.16		OFFSET 3.13m Rt. ALIG					MENT -Y1	1-REV	0 HR.	1.3	31			
COLLAR ELEV. 59.55 m NORTHING				IG 206,951.80					EAST	EASTING 658,543.61							0.4	49		
OTA	L DEPTH	14.76	3 m	DRILL	MACI	HINE	CME	550 T	rack	DRIL	L METH	HOD	8.26cn	n ID	HSA		HAMN	MER TYPE	Automat	ic
DATE	STARTE	D 7/3	3/01		T	COMP	LETE	D 7/9	/01		SURF	ACE \	VATER	R DE	PTH N/A	\ \	. 			
ELEV.			ow cou				BLOW	/S PER	30 CI		40	SAME	· 🔻	L		SOIL AN	ID ROCK	DESCRIPTI	ON	
(m)	(m)	15cm	15cm	15cm	9	20	41	U 	60	80	10	NO.	MC) G	<u> </u>				····	
59.55 58	0.00	WOH 1 WOH	1 1 2	1 1 2	2 2		Gro	und Su	urface 			SS-C	M M 20.7	, , %	59.55m	Brown/gray, coarse sand	& tan, sith some	UVIUM- ilty fine SANE clay & roots. ily SILT (A-4), ome clay & tr led quartz gra	with trace	0.00r
	1.98	12	9	11		$\cdot \setminus \cdot$						İ	W/S	S HH	57.47m 57.23m					2.08r
	2.59				: :		2		: :						37.2311	Light gray, s	diamete	o coarse SAN r rounded qu	וט (א- ו-b), artz gravel.	
56	‡ ‡ † † † 4.11	20	28	25					53			SS-	16.2	%		with son	& white, ne coars	IDUAL- fine sandy S e sand, quart s, saprolitic.	ILT (A-4), z rock	-
		18	70	30/1cm				L		10	00/16cm	,	M		55.29m - 55.13m -	-QUAR	TZ-MUS	HERED ROC COVITE SCH z-muscovite	IIST-	4.26 ,_4.42 I J
54	5.64	100/3cm									00/3cm)			53.47m	weath	ered, mo	moderately s derately fract scovite schist	ured	6.08
52	+ + + + + + + + + + + + + + + + + + +			·											5004	weathere	ed, sound	slightly to mo I to slightly fr scovite schist	actured	
50															50.94m 50.54m	weath \qu Tan/gray 8	nered, ex lartz-mus white, r ately to e	moderately s tremely fracti scovite schist noderately we extremely frac	eathered, tured	8. <u>61</u> 9.01 _/
48	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\														49.35m	Tan/gray 8 weathered, r	iartz-mus white w noderate	scovite schist ith orange, m ly to extreme scovite schist	 oderately ly fractured	_ <u>10</u> .20
46	T																			٠
	+														44.79m	Coring t QUAR Notes: 1) Geologist spoon at 2.0 2) 0 hr. groun coring. 3) Driller swit at 4.42m. 4) 6.10m of c	indicates 18m and idwater d	2.32m. lepth taken be coring technic	e in split efore	14.76

Sheet 1 of 2 DATE: 07/9/2001 CORE BORING REPORT I.D. NO.: R-2552B BORING NO.: B1-B PROJECT: 8.T311002 GEOLOGIST: Dan Carr DESCRIPTION: Relocation of Bridge #207 on SR 1560 over Little Creek SENIOR DRILLER: J.W. Gilchrist, Jr. TOTAL DEPTH: COUNTY: COLLAR ELEVATION: __59.55m DRILLING ASSISTANT: M.W. Renza 14.76m REC RQD (m) Elev. Rate Length (m) Sample FIELD CLASSIFICATION AND REMARKS Depth (m) (m) min./0.3m (m) 55.13m (4.42m) 55.13 4.42 1.22 | 0.55/1.22 | 0.00/1.22 4:14 45.1% 0.0% 6:03 Tan/gray and white, moderately severely weathered, moderately fractured, quartz-muscovite schist with disseminated pyrite. 5:45 Major joint set between 0-10° STRATA REC.= 34% 4:23/0.32 STRATA RQD.= 0% 5.64 53.91 SPT taken from 5.64-5.67m (N value=100/3cm) 5.67 4:59/0.29 1.49 1.07/1.49 0.54/1.49 53.47m (6.08m) 71.8% 36.2% 7:08 Tan/gray and white, slightly to moderately weathered, sound to slightly fractured, quartz-muscovite schist with disseminated pyrite. Some moderately fractured zones. 6:01 STRATA REC.= 86% Major joint set @ 45° and between 0-10° STRATA RQD.= 35% 52.39 7.16 4:23 Severely weathered zones from 7.16-7.34 and 7.63-7.83m. 52.39 7.16 1.52 1.17/1.52 0.35/1.52 5:31 77.0% 23.0% RS-3=28,355.80 kPa 5:46 5:03 50.94m (8.61 m 5:42/0.32 50.87 8.68 Orange and brown, moderately severely weathered, extremely fractured, quartz- muscovite schist with disseminated pyrite. STRATA REC.= 40% 50.87 8.68 6:43 1.52 1.14/1.52 0.00/1.52 STRATA RQD.= 0% 50.54m (9.01m 75.0% 0.0% 7:12 Tan/gray and white, moderately weathered, moderately to extremely fractured, quartz-muscovite schist with disseminated pyrite. 5:43 Major joint set @ 30° and 45°. STRATA REC.= 88% 6:05 STRATA RQD.= 0% 49.35 10.20 5:58/0.32 49.15m (10.20m) 1.52 1.39/1.52 0.00/1.52 49.35 10.20 4:40 5:27 91.5% 0.0% Tan/gray and white with orange, moderately weathered, moderately to extremely fractured, quartz-muscovite schist. with disseminated pyrite. 6:13 Major joint set @ 30°, 80°, and 90°. STRATA REC.= 82% 5:29 STRATA RQD.= 2% everely weathered zone from 10.20-10.33m. 47.83 11.72 5:23/0.32 Continued on sheet NOTES: DRILLING EQUIPMENT: CME - 550 ATV Track rig with automatic hammer. HOLE ADVANCEMENT: HSA from 0.00 - 4.42 meters using 8.26cm hollow stem augers.
 Cored using NQ3 triple barrel and a Series 6 face-discharge diamond impregnated bit from 4,42-14.76 meters.