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GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
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## N.C.D.O.T. GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

\ <u> </u>						1				T							105010		<u></u>	<u> </u>	
JJE	CT NO.	8.T3	11002			ID.	R-255				COUN.	TY	Johns	ton			GEOLO	GIST D.			
SITE D	ESCRIP	TION	Reloca	tion of E	3ridg	e #207	on SF	1560	over	_ittle C	reek								GROUN	WATER	(m)
BORING NO. B1-A BORING LOCATION 14+65.84								OF	OFFSET 3.13m Lt. ALIGNN				ALIGN	MENT -Y	'11-REV	0 HR.	1.0	)2			
COLLAR ELEV. 59.79 m NORTHING 206,946.08							EA	EASTING 658,546.64							24 HR.	0.7	73				
	DEPTH			DRILL				E 550	Trook	וופח	L ME			26cm		SA		HAMM	ER TYPE		
				DRILL	WA													HAIVIIV	EKITE	Automati	IC .
ļ	STARTE	D 7/	10/01			COV	MPLET				SU	RF/	ACE W	ATER	DEF	TH N/A	1	······································	<del></del>		
ELEV.	DEPTH	BLO	OW COL	TNL			BLO	WS PE	ER 30 (			l	SAMP.	$\mathbf{V}/$	0		SOIL	AND ROCK	DESCRIPTION	ON	
(m)	(m)	15cm	15cm	15cm	O	20	)	40	60	80	· ·	100	NO.	MOI					DEGO(() 1)		
59.79							Gr	ound S	Surfac	е						59.79m					0.00n
	0.00	WOH	WOH	WOH	•0								SS-1	25.7%		<u> </u>	Tan/brown		IVI <b>UM-</b> rse SAND (A	-2-4\ with	
1	0.61	WOH	1	1		 							SS-2	33.2%		59.18m	\ so	me silt. son	ne clav & root	s.	0.61n
	1.07	WOH	WOH		.•2	2						٠		M		_ 58.72m	Gray/greer	n, fine sand)	SILT (A-4), sand. PP=0.	with some	1.07n
	E	WOH	WOR	1	•	· · · ·					: : :	:		101		E	Grav/	areen, fine s	sandy CLAY	(A-6).	J
58-	1.98				. \	<b>\</b> · · ·						:				_	with s	ome silt, sil	ty fine sand la ) kg/cm²	ayers.	
.		1	4	8	] : :	12.								M		- 57.48m	· <u>_</u>				2.31r
	2.59	8	16	26	•		· · ·								Ш	57.13m	Gray & tan ک-2: With	, silty fine to 5mm dia .ro	coarse SAN unded quartz	ID (A-1-b),	2.66r
1	F	"	'0	20	: :			42				•	SS-5	11.7%		F		-RES	DUAL-		,
1 :	<b>F</b>	ļ.					• • •			· • •		•				ļ.	Tan/gray 8	k white, fine	sandy SILT ( arse sand, sa	(A-4), with	
56-	<b>‡</b>							-[::								L	trace cia	ly, some co	aise sailu, se	apronuc.	
	4.11	100/9cn	ļ		: :			ښان	<del>::::</del>	<del>::::</del>	100/9cn			D	ett.	- 55.68m - 55.59m		OET WEAT	HERED ROC	V.	4.11r - 4.20r
1 :	‡	100/30/1										"[			<b>}</b> }}	-	-QU	ARTZ-MUS	COVITE SCH	IST-	1
-	<b>‡</b> .				:	 									<b>}</b> }}}	_	Tan/gray	n, quartz-m	uscovite schi v weathered,	st.	1
	‡										· · ·				<b>}</b>	= = = = = = = = = = = = = = = = = = = =	slightly fr		y weathered, artz-muscovit		
54-	5.72			<u> </u>	1:	 								١.,		54.20m		av & white.	severely wear	thered	<u>_</u> 5.59r
/04	Ė	16	84/3cm	1	١.					1	00/18cn	n <b>•</b>		М	NW	Ł	mod	erately to ex	tremely fract	ured	
	Ė		l .		:	 									***	53. <u>39m</u>		guanz-mus	covite schist.		6.40r
-	F				•					• • •						F			oderately we		
1	Ŧ.		1		:	 						1				F			erately fractu covite schist.		
	F			1.			• • •					1			<b>}</b>	F		quaitz-iius	covice acilial.	•	
52-	Ŧ			1	:											51.62m					8.17r
	Ŧ				1:										<b>XXX</b>		White, v	ery slightly	weathered, s	lightly to	
-	8.91															50.97m 50.86m			uartz-musco everely weat		8.82r - 8.93r
	Ŧ .	50/2cm	1	Ì							50/2cr	"T		1	<b>}</b> }}	F 30.00	extremely	fractured q	uartz-muscov	rite schist.	
	F								· • • •							₹					,
50-	Ŧ		1		:											-	ran/gray slig	y & write, m htly to mod	oderately we erately fractu	atnerea, red	
	<u>‡</u>	ļ	<u> </u>		Ŀ							丄	ļ	ļ	<u> </u>	49.36m			covite schist.		10.43r
	‡		1													L	Corino	n terminated	at elev. 49.3	36m in	
	Ŧ	1														F	QUA	RTZ-MUS	COVITE SCH	IST.	
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§	F															F	Notes:				
8	Ŧ	l														F	1) PP=Poci	ket Penetroi	meter strata change	a in calit	
히 .	‡	1												Ì		-	spoon at 2	2.31m and 2	.66m.	· ·	
NCDOT.GDT 9/24/01	‡			<b>I</b> .			•									ţ.	3) Driller sv	vitched to c	oring techniq	ues	
ĕ .	‡							•								L	at 4.20m. 4) 4.57m of	casing set	at 4.19m.		
Z	‡													1		E	•		*		
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R25	±			.												F					
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월 -	‡															L					

							CORE BORING REPORT		Sheet 1 of 1 DATE: <u>07/10/2001</u>
PROJECT	r:	8.T311002			I.D. NO.:	R-2552B	BORING NO.: B1-A	GEOLOGIST: Dan Carr	
DESCRI	PTION:	Relocation o	f Bridge :	‡207 on SR	. 1560 over	Little Cree	k	SENIOR DRILLER: J.W. Gilchrist, Jr.	
COUNTY:		Johnston					ELEVATION:59.79m TOTAL DEPTH:10.43m	DRILLING ASSISTANT: M.W. Renza	
Elev.	Depth (m)	Drill Rate min./0.3m	Run Length	REC (m)	RQD (m)	Sample #	FIELD CLASSIFICATION AND REMARKS		
\$5.59	4.20	2:30	1.52	1.29/1.52		RS-1 RS-2	Tan/gray and white, moderately weathered, sound to slightly fractured, quartz-muscov Severely weathered zone from 4.20 - 4.38 m Extremely fractured zone from 4.81 - 5.06 m with two severely weathered zones	ite schist with disseminated pyrite.  STRATA REC. = 83%	55.59m (4.20m)
		3:03					Major joint set between 0-10°  RS-1=14, 1102 kPa  RS-2= 8,021.43 k Pa	STRATA RQD. = 64%	54.20m (5.59m)
54.07	5.72	2:16/0.32					Tan/gray and white, severely weathered, moderately to extremely fractured, quartz-mo	scovite schist with disseminated pyrite	34.2011 (3.3511)
53.89	5.90	2:14/0.29	1.49	1.37/1.49	0.64/1.49		SPT taken from 5.72-5.90m (N value=100/18cm) Schist Major joint set @ 0° and 45°	STRATA REC. = 81% STRATA RQD. = 0%	
		2:55	,	91.9%	42.9%		Tan/gray and white, moderately weathered, slightly to moderately fractured, quartz-m	uscovite schist with disseminated purite	53.39m (6.40m)
52.40	7.39	2:42					Major joint set @ 60°	STRATA REC. = 81% STRATA RQD. = 36%	
52,40	7.39	3:06	1.52	1.19/1.52	0.31/1.52		Extremely fractured zone from 6.87 - 6.92 m Severely weathered and extremely fractured zone from 7.39 - 8.17 m		·
		3:11	-	78.3%	20.4%		White very slightly weathered, slightly to moderately fractured, quartz muscovite schi Very high feldspar content.	st with disseminated pyrite.	51.62m (8.17m
		3:39					Major joint set @ 0-10° and 60°	STRATA REC. = 100% STRATA RQD. = 48%	50.97m (8.82m
50.88	8.91	4:47/0.32					Tan, moderately severely weathered, extremely fractured, quartz-muscovite schist wit SPT taken from 8.91-8.93m (N value=50/2cm) Schist STRA	h disseminated pyrite. Major joint set @60° ATA REC.= 100% STRATA RQD.= 0%	50.86m (8.93m
50.86	8.93	2:56 3:07 3:15	1.50	1.28/1.50 85.3%	0.74/1.50 49.3%		Tan/gray and white, moderately weathered, slightly to moderately fractured, quartz-m with disseminated pyrite.	uscovite schist	
		2:53					Major joint set @ 0°, 30°, 45°, and 60°	STRATA REC. = 85% STRATA RQD. = 49%	
49.36	10.43	4:07					Severely weathered zones from 8.93-9.05m, 9.62-9.67m, and 9.90-9.95m.		49.36m (10.43m
49,36	10.43						Coring terminated at elevation 49.36m in quartz-muscovite	e schist.	49.36m (10.43m
		7D. 77					NOTES:		
CME - 550 HOLE A 1. HSA fr	OATV To DVANC om 0.00 - using NQ	IPMENT: rack rig with auto EMENT: - 4.20 meters usi 3 triple barrel an 43 meters.	ng 8.26cm	hollow stem		d impregnate	d bit from		