

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

ROJE	CT NO.	8.T3	11002			ID.	R-2	552A	В		CO	UNTY	' Johns	ston			GEOLOGI	ST M	Lear		
ITE DE	ESCRIP	TION	Site 1:	Dual S	Struc					(-L-)					Aust	in pond)	1			D WATER (	m)
ORING	3 NO.	B6-A L		<del></del>					1+08.				ET 21.			<del></del>	IMENT -L-		0 HR.	N/A	
	R ELEV			NORT			08,462				-		ING 6			ALIGI	HILL -6-				-
				<del> </del>					<b></b>	T <sub>D</sub>						- 010 0-			24 HR.	N/A	
	DEPTH			DRILL	. MA											h/NQ Co		HAMN	IER TYPE	63.5 kg m	anu
	TARTE		15/01		т	CO			8/15/			SURF	T	ATER	DEP	TH 0.1	11m				
	DEPTH	<b></b>	OW COL	7		2		OWS 40	PER 30 60		80	400	SAMP.	<b>V</b> /	0		SOIL AN	D ROCK	DESCRIPT	ION	
(m)	(m)	15cm	15cm	15cm	<u> ř                                   </u>	ئـــــــــــــــــــــــــــــــــــــ					-	100	NO.	/MO	G		····				
8.10																58,10					0.
8.10	- 0.00 -	WOH	WOH	WOH	100									Sat.		-	Alluvium: Gray with roots and	, slightly	sandy, silty (	CLAY (A-6)	
Ī	-				[:\	` · · ·		: : :	• • •	: : :	: :	: : :				<u>-</u>	with roots and	organic	uebris		
5.71	1.39				] :	:\ : :		: : :		: : :	• •										
Ŧ		4	8	7	]:	• 15	5		<i>:</i>	· · ·	: :			Sat.		-					
Ŧ	- 				:	:: :		·			: :					-	• •				
5.25	- 2.85				1:	::1:										55 <u>.4</u> 5	A 11	E - T			2
7	-	9	9	6	1:	•15	5							Sat.	000	_ 54.95	Alluvium: Tan, quartz GRAVE	EL (A-1-a	)		3
Ŧ	-				.	: :[· :										- -	Residual: Brov SAND (A-2-5)	vn, micae with relic	ceous, clayey at rock fabric	, silty	
‡	- -				:	. ]: :			: : :		: :					-	- ( 7)				
3.62	4.48	3	3	5	∤ :	:				: : :	: :		SS-1	w		-					
I	-	Ū			:	•		: : :	: : :	: : :	: :		00-1	"		<u>.</u>					
‡	- -				:			· · :		: : :	: :										
2.14	5.96		. 40		1:			`	<b>\</b>	: · ·						-					
Ŧ	-	7	13	60	1:						3			W		<del>-</del>					
f	- -				1:						: `				XIE	51 <u>.3</u> 0	Soft Weathere	d Rock	Gneiss with	Granitic	6
0.64	7.46				•							$\cdot \cdot \rfloor$			M	-	veins		Choice Will		
Ŧ	_ 1	00/10cn	P		÷						100/	10cm			NX	_				-	
‡	-				:			: : :			: :				爱	<b>-</b>					
9.15	8.95				:			· · ·	: : :		: :				1						
7		100/5cm			:						100	)/5cm			MA						
İ	-				1:				: : :	: : :	: :				<b>#</b>	_ 48.53 - 48.24	Hard Rock: Da	ark gray,	fine to medic	ım grained,	9 9
Ŧ	-				:	• • • •			: : :	• • •	: :	::			15	- - 47.67	moderately we moderately ha	eathered, rd Gneis	moderately 1	fractured,	10
ŧ	-				1:	 		: : :		· · ·	: :	: :				-	with MnO stair	1		- Ir	
Ŧ	-				1:	 						::				_	Rock: Gneiss			1	
Ŧ	-				1:							::					Hard Rock: Gr medium graine	ed. verv :	slightly weath	ered to	
+	- -	,			1:							$\cdot \cdot \mid$					fresh, modera Gneiss (6 joint	tely fracti	ured to sound '0° with clav :	d, hard and mica:	
Ŧ	•				•											<u> </u>	2 joints at 20-3 at 15-20° with	30° with r	nica and clav	r: 2 ioints	
#	- -	1			:						: :					_	Gneiss foliatio	n from 1	3.40m to 13.8	89m)	
ŧ	-				:						: :					-		•			
Ξ	-				:	· · · ·		• • •		• • •	: :	::				<u>-</u>	•				
‡	-			<b> </b>	H	<u> </u>	•	• • •		• • •	• :	<u> L</u>	<del> </del>			43.74	Boring termina	ated at 14	1,36m (Elev	43,74m) in	14
<u></u>	-															-	Hard Rock: Gr	neiss	(2.07)		
Ŧ																_	Bits used: 7.60	cm roller	cone and NO	2 core bit	
<b>f</b>	:																Drilling Fluid: \	Water	•		
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N.C.D.O.T. GEOTECHNICAL UNIT

CORE BORING REPORT SHEET TOTAL NO. SHEETS 40 107

DRO IE	CT NO.	g Ta	311002			D. R-2	552AP		Τ,	SHEET 1 OF 1 COUNTY Johnston GEOLOGIST M. Lear
				Dual St						
	G NO.			<del></del>		OCATIO			-L-) 0	er White Oak Creek (Austin pond)  OFFSET 21.7m LT  ALIGNMENT -L-  O HR. N/A
	R ELEV			NORTH				100.7		
	DEPTH		36 m			INE CM		uggy	DRII	EASTING         652,948.3         24 HR.         N/A           L METHOD         Rotary Wash/NQ Core         HAMMER TYPE         63.5 kg man
	STARTE		/15/01	DIVILL		COMPLE				SURFACE WATER DEPTH 0.11m
	SIZE N					TOTAL R				DRILLER D. White
ELEV.	DEPTH	RUN	DRILL	REC.	JN RQD	SAMP.		ATA RQD	L	
(m)	(m)	/\	RATE (Min/0.3n	/m\	(m) %	NO.	(m)	(m) (m)	O G	DESCRIPTION AND REMARKS
40.40	9.00	0.86	2:17	(0.29)	(0.00)	ļ	(0.00)	(N/A)	10H	Begin Coring @ 9.00 m Soft Weathered Rock: Gneiss with Granitic veins
49.10		0.00	1:06	34%	0%		0%		MF.	48.53
48.24	9.86	1.50	1:37/0.20 1:33	(0.93)	(0.76)		(0.29) 100%	0%	197	Hard Rock: Dark gray, fine to medium grained, moderately weathered,  moderately fractured, moderately hard Gneiss (2 joints at 30-40° with MnO stain
			5:11 6:43 7:40	62%	51%	^	(0.00) 0% (3.70)	(N/A) (2.79) 71%		No Recovery-Interpreted as Hard Weathered Rock: Gneiss  Hard Rock: Gray and dark green, fine to medium grained, very slightly weathered to fresh, moderately fractured to sound, hard Gneiss (6 joints at
46.74	11.36		6.01		42.22		94%	/ / /		60-70° with clay and mica; 2 joints at 20-30° with mica and clay; 2 joints at 15-20° with trace clay; Granitic dike cutting Gneiss foliation from 13.40m to
46.17	11.93	0.57	4:06 7:39/0.2	7 100%	(0.00) 0%	ļ			<b>}</b>	13.89m)
		0.93	0:57/0.0: 4:45	3 (0.70) 75%	(0.53) 57%				<b>}</b>	
45.24	12.86	1.50	5:20 6:20	(1.50)	(1.50)	<del>                                     </del>				
			5:04 4:00 3:22		100%				<b>}</b>	
43.74	14.36		3:27 3:45						<b>&gt;&gt;</b>	
70.77	14.00		3.45				<b></b>			43.74 Coring terminated at 14.36m (Elev: 43.74m) in Hard Rock: Gneiss