

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

PROJECT NO. 8.T311002 ID. R-2552AB C								C	COUNTY Johnston GEOLOGIST					EET 1 OF 1 M. Lear		
SITE D	ESCRIP	TION	Site 1:	Dual S	Structu	ures on	Clayton by	ypass (-) ove	r White	Oak C	reek (Austi	n pond)	GROUND W	ATER (m)
BORING	G NO.	B5-A L	.L	ВО	RING	LOCAT	TION 40	+84.0		OFFSI	ET 21.	7m L1		ALIGNMENT -L-	0 HR.	0.31
COLLA	RELEV	. 58.7	8 m	NORT	HING	208,	471.0			EASTI	NG 6	52,92	4.9		24 HR.	0.52
OTAL	DEPTH	17.2	2 m	DRILL	MAC	CHINE C	CME-45/b	uggy	DRILL	METH	OD R	otary	Wash	n/NQ Core HAMM	ER TYPE 63	.5 kg manua
DATE S	STARTE	D 8/2	21/01			COMP	LETED (3/21/01		SURF	ACE W	ATER	DEP	TH N/A		
ELEV.	DEPTH	BLO	ow cor	JNT			BLOWS P	ER 30 CM	Λ		SAMP.	\mathbf{V}	L	CON AND DOCK	DECODIDEION	
(m)	(m)	15cm	15cm	15cm	P	20	40	60	80	100	NO.	MO		SOIL AND ROCK	DESCRIPTION	
58.78																
58.78	0.00	WOH	WOH	1	1							W		58.78 - Alluvium: Brown and gra	y, slightly silty C	LAY
•]					1									(A-6) with roots		
57.53	1.25				l : \									•		
]		3	. 3	5	: :}	8						W		• •		
.	-				1::	<i>\</i> :::					·			- - -		
55.95	2.83													56.28Alluvium: Orange, fine to	coarse SAND	A-3) 2.5
	-	8	9	9	: :	18						Sat.		-		, (-0)
‡	_				: :	۲								55.38Interpreted as Residual:	Clayey, silty SA	3.4
54.47	- 4.31				: :									(A-2-4)		
-	-	5	6	8		14						w				
1	-				; ;			• • • •						<u> </u>		
52.94	- - 5.84				: :				· · ·				me	- 53.28 Soft Weathered Rock: C	Security -	5.5
<u>52.54 </u>	- 3.04	100/2cm			: :				10	0/2cm			M	Soit Weathered Rock. C	oranile .	
‡	-				::								12	52.18		6.6
51.47	- - 7.31				: :				: : :				19	 No Recovery-Interpreted Rock: Granite 	as Hard Weath	ered
51.47	- 7.01 -	100/4cm			: :				. 10	0/4cm			1/2	- - 51.06		7.7
7	-	-								::				Hard Rock: Gray, fine to		i,
1	[·		; ;									 moderately to slightly we fractured to sound, mod 	erately hard to h	ard
7	-				::									Granite (1 joint at 10° wi with clay; 1 joint at 70° v	th clay; 1 joint at vith clay and Fe-	50° 8.8
1					: :					::			1	49.41 \stain) No Recovery-Interpreted		9.3
7	-				::				<i>i:::</i>	::			>>>	Rock: Granite Hard Rock: Gray, fine to		
1					: :									slightly weathered, mod	erately fractured	to
+	-				::					::				sound, hard Granite (3 j and mica; 4 joints at 30-	40°)	ciay
1	<u>-</u>				::					::			鍋	- 47.49 No Recovery-Interpreted	l as Hard Weath	11.2 ered
	<u></u>				1::					: :			W	Rock: Granite		
‡	• •												KI	-	*	
<u>46.06</u>	<u>- 12.72</u>	50/0cm							5	0/0cm				46.19 Hard Rock: Gray, fine to		
‡	-				: :									moderately to slightly we fractured to sound, mod		
‡	-				: :	: : : :								Granite (1 joint at 80° wi with clay; 4 joints at 30-	th clay; 2 joints a	t 60°
Ŧ	-				: :										/	
‡	-				: :					::				- 44.10	l on Hard 18/	14.6
‡	-				: :					::			M	No Recovery-Interpreted Rock: Granite	as naru vveath	
1	-		·		: :					::				 Hard Rock: Pink and grade 		
‡	-				: :					::				grained, moderately wea moderately fractured, m	oderately hard to	hard
	-				• •									Granite (5 joints at 90° v vertically fractured)		
1					<u> </u>									41.56		17.2
Į.										•				Boring terminated at 17. Hard Rock: Granite	22m (Elev: 41.56	
Ŧ	-				l ·		-							•		
I					l						ı	l	ı +	 Bits used: 7.6cm roller of 	one, NQ core bit	



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CORE BORING REPORT SHEET TOTAL NO. SHEETS 36 107

SHEET 1 OF 1

V										-,					SHEE	<u> T 1 OF</u>	1	
	CT NO.		311002			ID. R-2					OUNTY Jo			GEOLOG	ST M	. Lear		
SITE D	ESCRIP	TION	Site 1:	Dual St	tructu	res on Cla	yton b	ypass	(-L-)	over	White Oal	k Creek (Au	stin pond)			GROUN	D WATER	(m)
BORIN	G NO.	B5-A	LL	ВО	RING	LOCATIO	N 40)+84.0			OFFSET	21.7m LT	ALIGNI	MENT -L-		O HR.	0.3	1
COLLA	R ELEV	. 58.	78 m	NORTH	HING	208,47	1.0				EASTING	652,924.9				24 HR.	0.5	2
TOTAL	DEPTH	17.	22 m	DRILL	MACI	HINE CM	E-45/b	uggy	DF	RILL	METHOD	Rotary Wa	sh/NQ Cor	e	HAMN	MER TYPE	63.5 kg n	
DATE S	TARTE	D 8	/21/01			COMPLE	TED	8/21/0	1	T	SURFACE	WATER DE			L			
CORE	SIZE N	IQ.				TOTAL R	UN S	9.60 m		-	DRILLER					·		
ELEV.	DEPTH	RUN	DRILL	REC.	UN	SAMP.		ATA	L									
(m)	(m)	(m)	RATE (Min/0.3m	(m)	RQD (m) %	NO.	REC. (m) %	RQD (m) %	O G				DESCRIP	TION AND RE	MARKS			
														Coring @ 7.6				
51.16 50.56	7.62 8.22	0.60	1:51 2:09	(0.50) 83%	(0.27 45%		(0.00)	(N/A) (0.88)		<u>−51.0</u>	26∕\NoRed Hand R	covery-interpr	eted as Hard	Weathered R grained, mode	ock: Gra	nite	thorod	7.72
		1.50	1:51 2:23	(1.02) 68%	(0.79 53%)	(1.17) 100%	75%		- - 49.8	modera with cla	ately fractured	I to sound, m	oderately hard l joint at 70° w	to hard	Granite (1 ioi	int at 10°	8.89
			1:27 0:40			*	(0.00)	(N/A)	19	- 49.4	No Rec	overy-Interpre	eted as Hard	Weathered R	ock: Gra	nite	****************	9.37
49.06	9.72		2:50	1,,,,,	1		(1.88)	(1.43)		-	Hard R	ock: Gray, fin	e to medium	grained, sligh	tly weath	ered, modera	ately	9.3/
		1.50	3:13 3:33 2:37	(1.46) 97%	(1.25 83%		98%	74%			30-40°)	ed to sound, n	iard Granite (3 joints at 70°	with clay	and mica; 4	joints at	
47.56	11.22		3:49 2:47							-								÷
		1.50	1:30	(0.20)	(0.00		(0.00)	(N/A)	闿	<u>- 47.4</u>		overy-Interpre	eted as Hard	Weathered R	ock: Gra	nite		11.29
			1:31 1:22	13%	0%		0%		W									
46.06	12.72		2:01 1:49			1			MA	46.1	19							12.59
40.00	12.12	1.50	1:40	(1.40)			(1.99) 95%	(1.48) 71%		-	Hard R	ock: Gray, fin	e to medium	grained, mode	erately to	slightly wear	thered,	12.55
			N=50/0cm 2:12	n 93%	79%		50,0	1.1%		-	with cla	ny; 2 joints at	60° with clay;	4 joints at 30-	10 nard 40°)	Granite (1 joi	nt at 80°	
44.50	44.00		2:37 2:53															
44.56	14.22	1.50	2:17 1:51	(0.80)	(0.31	, 											•	
			1:46	53%	21%		(0.00)	(N/A)	斵	<u>- 44.1</u>		overy-Interpre	eted as Hard	Weathered R	ock: Gra	nite		14.68
			0:48 0:33			ŀ	0%		\mathcal{U}	43:3	39							15.39
43.06	15.72	1.50	2:46	(1.28)	(0.00	, 	(1.61) 88%	(0.00) 0%		-	Hard R extrem	ock: Pink and elv to modera	gray, fine to	medium grain , moderately h	ed, mod	erately weath	nered, 5 ioints at	
			2:25 2:37 1:44	85%	0%						90° with	r clay; whole i	run vertically	fractured)			·	
41.56	17.22		1:27							41.5								17.22
										-	Coring	terminated at	17.22m (Ele	v: 41.56m) in	Hard Ro	ck: Granite		
														ing.				
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