

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

PROJE	CT NO.	8.T3	11002			ID.	R-2552	AB		COUNT	Y John	ston			GEOLOGIST M.	Lear/J. Bryson	
	ESCRIP			Dual S	tructu	L		n bypas					Austi	in pond)		GROUND WA	TFR (m)
	G NO.	B8-A L						41+58.							IMENT -L-	0 HR.	0.18
COLLAR ELEV. 59.20 m NORTHING 208,444.0																	
	STARTE		30/01	DIVILL	. WIAU											ERITPE 63.	5 kg manua
	DEPTH		OW COL	INT	Τ	COMI		D 8/31/		SUR	FACE W	AIEK	UEP	TH N//	Α		
(m)	(m)	15cm	15cm	JN I 15cm	0	20	BLOW 40	S PER 30) 10	SAMP.	//	0	•	SOIL AND ROCK	DESCRIPTION	•
(111)	(11)	13411	13011	15011	ļ I	<u>_</u>	<u>``</u>	<u>`</u>	<u>``</u>	`	NO.	MOI	G				
						*				,							
59.20														59.20	·		0.0
. US.Br	0.00	2	3	4	: •	7					1	D. A		-	Alluvium: Dark gray, cla with roots, wood fragme	ayey, sandy SILT (
	E				:									<u>-</u>	quartz gravel	, with rounded	
7.78	1.42	<u> </u>			$ \cdot $		• • •							_			
-	Ė	1	2	4	•	3						Sat.		-	•		
	Ē	,			: :\				: : : :					<u>-</u>			
56.21 ⁻	2.99		İ		: :	/ :::								-			
-	<u> </u>	3	9	4	1::	13.	• • • •					Sat.		-			
	ţ				: :	·	• • •							55 <u>.6</u> 0	Residual: Tan and oran	nge, sandv. clavev	3. <u>6</u> SILT
54.73 .	4.47				: :	1:::								_	(A-4) with relict rock fat vein	oric and a relict qua	artz
,, o -	- 7.7 ′	4	5	6	1::	111						w			· ·		
_	‡				1::	./											
	Ė.				: :	$\cdot \cdot \setminus$								-			
53.19	6.01	11	16	14	: :	: : : Y						M-W		Ē			
-	‡		-	'	: :		30							- 50.40			<u>.</u> -
	Ė			· .	: :					1			राष्ट्र	52 <u>.4</u> 0	Soft Weathered Rock:	Granite	6.8
51.71	7.49	24	47	53/12cm] : :				: : : :				W	-			
	ļ ,	-	7'				• • • •		: : : : :	00/27cm	-			-			
	E				: :								79	Ē.			
50.20	9.00		50/0	-	: :								KU	Ē	**		
-	E	41	59/9cm		: :					00/24cm	'		別	- ·		- P	
	ŧ				: :								W	E			
48.69	10.51		00/5		: :		· • • •		: : : :	: : :]			KN	F			
3	E	68	32/3cm		: :					00/18cm	'		刿				
-	F		l ·		1::								M				
<u>47.17</u>	12.03												险	47 <u>.5</u> 0 - 47.07	No Recovery-Interprete	ed as Hard Weathe	11.7
-		100/5cm			: :					100/5cm	'		1	- 4 1.0/	Rock: Granite Hard Rock: Greenish g		<u>ا ۱۲۰۱</u>
	Ė				: :									-	to medium grained, ver fresh, slightly fractured	v slightly weathere	d to
-	E				: :									<u>.</u>	hard Granite (3 joints a	t 30-40° with mica	and
-	<u> </u>				: :			· · · ·		: : :				L .	clay; 1 joint at 70° with	•	-
4	-				: :		• • • •			: : :				<u> </u>	Pegmatite veins at 12.3 12.70m, and 14.02 to 1	37 to 12.47m, 12.6	0 to re
	-				: :					:					axis (quartz, K-feldspar	, and white mica)	
. 4	<u>-</u>				: :					: : :				<u> </u>	•		
1	-				: :									43.39			15.8
]	-				Ť				····	لــــــــــــــــــــــــــــــــــــــ	1			-	Boring terminated at 15	5.81m (Elev: 43.39	
]	-						`				1.			E	Hard Rock: Granite	•	
1	-													-	Bits used: 7.6cm roller	cone and NQ core	bit
1	[1.			-	Drilling Fluid: Water an	d 1.05g/cm ³	
1												l .		E			
4	-													_			
- 1				· .									1	<u> </u>			



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

CORE BORING REPORT SHEET TOTAL SHEETS 48 107

	11111		14455-							SHEET 1 OF 1							
	CT NO.		311002	D. 15:		D. R-2				COUNTY Johnston GEOLOGIST M. Lear/J. Bryson							
	ESCRIP							ver White Oak Creek (Austin pond) GROUND WATER (m)									
		B8-A				OCATIO		1+58.3		OFFSET 21.5m LT ALIGNMENT -L- 0 HR. 0.18							
COLLAR ELEV. 59.20 m NORTHING 20										EASTING 652,994.9 24 HR. 0.25							
TOTAL DEPTH 15.81 m DRILL MACHINE C										LL METHOD Rotary Wash/Mud/Core HAMMER TYPE 63.5 kg man							
	STARTE	/30/01			COMPLE				SURFACE WATER DEPTH N/A								
ORE	SIZE N	IQ	5501	I DI	JN	TOTAL R		3.73 m		DRILLER D. White							
(m)	DEPTH (m)	/m\	DRILL RATE (Min/0.3m	REC.	RQD (m) %	SAMP. NO.	REC. (m) %	RQD (m) %	C G	DESCRIPTION AND REMARKS							
47.40	12.22	0.72	4:07	10.00	(0.00)	<u></u>	(0.00)	(1)		Begin Coring @ 12.08 m							
47.12 46.39	1	0.73	4:27 8:15	(0.68) 93%	(0.68) 93%		(0.00)	(3.40)		47.07 No Recovery-Interpreted as Hard Weathered Rock: Granite Hard Rock: Greenish gray, gray, and pink, fine to medium grained, very slightly							
	12.0	1.50	2:38/0.13 2:48	- [(1.49)	(1.47)		(3.51) 95%	92%		weathered to fresh, slightly fractured to sound, hard to very hard Granite (3 joints at 30-40° with mica and clay; 1 joint at 70° with Fe stain)							
			3:12 3:25	99%	98%	*			W F	Pegmatite veins at 12.37 to 12.47m, 12.60 to 12.70m, and 14.02 to 14.09m at							
44.89	14.31		3:13 3:22						胍	20° to core axis (quartz, K-feldspar, and white mica)							
<i></i>		1.50	2:57 3:15	(1.34) 89%	(1.25) 83%		1										
			3:20						>>								
43.39	15.81		3:24 3:00	1						43.39							
				1					F	Coring terminated at 15.81m (Elev: 43.39m) in Hard Rock: Granite							
									l E								
									<u> </u>								
							1		l E	•							
									ΙĖ								
									l E								
									ΙĖ								
									ΙĒ								
									ΙĖ								
							ľ		F								
				1.					E								
									ΙĒ								
									F								
				ŀ					F								
									E								
									 								
									ΙĒ								
									l E								
			.						l E								
				1					E								
		·							<u> </u>								
									E								
									<u> </u>								
									E								
									l E								
									l E								
				-					ΙĒ								
			*						F								