

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

PROJECT NO. 8.T311002 ID. R-2552AB CC							OUNTY Johnston					SHEET 1 OF 1 GEOLOGIST M. Lear						
	SCRIP			Dual S	tructu	L			ee (_l _					Δucti	in pond)	OLOCOGO III		WATER (m)
										, 000						MENT -L-	4	
BORING NO. B7-A LL BORING LOCATION 41+33.5								OFFSET 21.6m LT ALIGNI				ALIGNI	MENI -L-	0 HR.	0.05			
COLLAR ELEV. 58.58 m NORTHING 208,453.3 TOTAL DEPTH 14.31 m DRILL MACHINE CME-45/buggy DRILI								EASTING 652,971.6 METHOD Rotary Wash/NQ Core					24 HR. 0.05					
				DRILL	. MAC	·				RILL							MER TYPE	63.5 kg manua
·	TARTE		14/01			COM		D 8/15			SURF	ACE W	ATER		TH N/A	·		
1	DEPTH		OW COL	Т	0	20		VS PER :	30 CM 60	80	100	SAMP.	V /	0		SOIL AND ROCI	C DESCRIPTION	ON .
(m)	(m)	15cm	15cm	15cm	ļ ĭ—			L	<u> </u>	<u> </u>		NO.	MOI	G				
I											,							
8.58													V		58.58			0.0
8.58	0.00	WOH	1	1	2								Sat.			Alluvium: Gray CLAY	A-6) with roots	
Ī	<u>.</u>				: :						: : :				-			
7.18	1.40]: ;					• • •	: : :				-			
+		3	2	3	. •5	i					: : :		Sat.		_	•		
Ŧ	•				: : \	$\langle \dots \rangle$				• • •					-		•	·,
5.68	- 2.90				: :	$\mathbb{N} :$	· · · ·								56 <u>.0</u> 8	Alluvium: Gray, silty, fi	ne to coarse S	ĀND — — ^{2.5}
7		5	9	11	1 : :		 .					SS-2	Sat.		-	(A-2-4)		
Ŧ					: :	L				 					55 <u>.0</u> 8	Residual: Brown, claye	y, silty, SAND	
.14	4.44				::				: : <u> </u> :						-	with relict rock fabric	•	•
'''	. 7.77	- 5	24	45	1::				::]				w					
Ŧ																		
2.71	- - 5.87				: :									XIE	53 <u>.0</u> 8	Soft Weathered Rock:	Granite	5.5
-/-	3.67	70	30/2cm		: :					. 100	/17cm			W	-	Out Weathered Nock.	Oranic	
1					: :						::			\mathbb{K}	_	: .		
‡	•				: :									剹	-	1. a		
.19	7.39	50/2cm			: :					 5	0/2cm			1	51.19	Hard Rock: Green and	white fine to	7.3
‡	•				: :					· · ·	::			斵	_ 50.76	grained, moderately w fractured to sound, mo	eathered, mod	erately ^{7.8}
Ī					: :					· · ·	::				-	joint at 70° with clay)		
‡	-				: :						::				-	No Recovery-Interpret Rock: Granite		
Ī					: :						::			\gg		Hard Rock: Green, wh medium grained, mod-		
‡					: :						::			M		weathered, moderately moderately hard to ha	fractured to s	ound.
<u>‡</u>					: :					 	:: I				-	50° with clay and white with clay)	mica; 1 joint a	nt 90°
1	•				: :				: 					\gg	-	Hard Rock: Grav. pink	, and white, fin	e to
‡	•				l : :						::				-	medium grained, very fresh, moderately fract	ured to sound.	hard to
Ŧ					::									>>>	-	very hard Granite with 60° with biotite and wh	ite mica: 2 ioin	ts at 50°
‡															-	with clay and Fe-oxide with Fe-oxide stain; 7	stain; 2 joints	at 35° with
Ŧ	•				: :						::				- .	trace clay; 3 joints at 1	0-15°)	
Ŧ					: :									\gg	-			
‡	•				: :					· · ·								
Ī					<u> : :</u>	 <u></u> .	· · ·	· · · ·		 	<u>:: </u>			>>>	- - 44.27		**	14.3
Ŧ	-]					•					-	Boring terminated at 1 Hard Rock: Granite	4.31m (Elev: 4	
‡														[-		roone and No	+*
#															_	Bits used: 7.6 cm rolle	cone and NQ	core bit
ŧ															-	Drilling Fluid: Water		
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N.C.D.O.T. GEOTECHNICAL UNIT

CORE BORING REPORT SHEET NO. SHEETS 44 107

W. C.	AHIZA									SHEET 1 OF 1
PROJE	CT NO.	8.T	311002	~		ID. R-2	552AB			COUNTY Johnston GEOLOGIST M. Lear
SITE D	ESCRIP	TION	Site 1:	Dual St	ructur	es on Cla	yton b	ypass	(-L-) (over White Oak Creek (Austin pond) GROUND WATER (m)
BORIN	G NO.	B7-A	LL	BO	RING	LOCATIO	N 41	+33.5		OFFSET 21.6m LT ALIGNMENT -L- 0 HR. 0.05
COLLA	R ELEV	. 58.	58 m	NORTH	HING	208,453	3.3			EASTING 652,971.6 24 HR. 0.05
TOTAL	DEPTH	14.	31 m	DRILL	MACH	IINE CM	E-45/b	uggy	DR	RILL METHOD Rotary Wash/NQ Core HAMMER TYPE 63.5 kg manus
DATE S	STARTE	D 8	/14/01			COMPLE	TED	8/15/0	1	SURFACE WATER DEPTH N/A
ORE	SIZE N	IQ				TOTAL R				DRILLER D. White
ELEV. (m)	DEPTH (m)	RUN (m)	DRILL RATE (Min/0.3m	REC.	RQD (m)	SAMP. NO.	REC. (m) %	RQD (m) %	L O G	DESCRIPTION AND REMARKS
										Begin Coring @ 7.41 m
51.17	7.41	0.90	2:02 1:24	(0.58) 64%	(0.24) 27%		(0.41)	(0.21)		50.76 Hard Rock: Green and white, fine to medium grained, moderately weathered, moderately fractured to sound, moderately hard Granite (1 joint at 70° with clay)
50.27	8.31	1.50	1:54 2:46	(1.50)	(0.73)		(0.00)	(N/A) (0.48)	11/2	No Recovery-Interpreted as Hard Weathered Rock: Granite Hard Rock: Green, white, and pink, fine to medium grained, moderately to
		1.50	2:22	100%	49%		(1.44) 100%	33%		slightly weathered, moderately fractured to sound, moderately hard to hard Granite (3 joints at 50° with clay and white mica; 1 joint at 90° with clay)
			2:44 4:05							No Recovery-Interpreted as Hard Weathered Rock: Granite 49.00 9.6
48.77	9.81	1.50	4:59 10:48	(1.50)	(1.37)		(4.68) 99%	(3.97) 84%		Hard Rock: Gray, pink, and white, fine to medium grained, very slightly weathered to fresh, moderately fractured to sound, hard to very hard Granite
			7:57 7:46		91%			047,0		with weak foliation (1 joint at 60° with biotite and white mica; 2 joints at 50° with clay and Fe-oxide stain; 2 joints at 35° with Fe-oxide stain; 7 joints at 20-30°
			7:03						\gg	with trace clay; 3 joints at 10-15°)
47.27		0.53	6:46 10:04	(0.50)	(0.18)	 				
46.74	11.84	0.97	5:51/0.23 2:20/0.07	(0.95))				
45.77	12.81		6:00 4:43	98%	51%				\gg	
70.11	12.01	0.84	4:21 9:42	(0.84)	(0.84)					<u> </u>
44.93	13.65		6:36 3:51/0.24	100%			<u> </u>			
44.27	14.31	0.66	1:01/0.06 2:55		100%				M	44.27
			5:21	1	1					2 44.27 14.3 Coring terminated at 14.31m (Elev: 44.27m) in Hard Rock: Granite
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