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GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
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"OVER ONE HUNDRED YEARS OF SERVICE"

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

F	ROJE	CT NO.	8.23	12601	150		ID.	B-386	35			co	UNTY	Joh	nst	on		GEOLOGIST C. Baldwin
S	ITE D	SCRIP	TION	Bridge	No. 21	2 ove	er the I	Little F	River o	n SR	1002							GROUND WATER (ft)
E	ORIN	3 NO.	B3-B		во	RING	LOC	ATION	22+	-33			OFFS	ET 1	1' F	₹t.		ALIGNMENT -L- 0 HR. N/A**
	OLLA	R ELEV	. 103.	.7 ft	NORT	HING	631	1,701					EAST	ING	2,2	54,7	74	24 HR. 3.5
1	OTAL	DEPTH	28.3	ft	DRILL	MAC	HINE	СМ	E 55 T	rack	DR	ILL	METH	OD	2.2	5" ID	HS/	A/NQ3 Core HAMMER TYPE Automatic
	ATE S	TARTE	D 6/	30/03			CON	IPLET	ED 7	/1/03			SURF	ACE	WA	TER	DEP	TH N/A
	LEV.	DEPTH	BL	ow cor	JNT				WS PE			_		SAN	- 1	V /	л О	SOIL AND ROCK DESCRIPTION
L	(ft)	(ft)	0.5ft	0.5ft	0.5ft	0	1 1		40 	60		10 L	100	NC).	MOI	G	
103.7ft						Ground Surface									103.7ft 0			
Γ		- 0.0	1	2	2	. •										М		- ALLUVIAL- - Gray & brown, fine to coarse sandy
	100-	3.5				: ;			: : :							V		CLAY (A-6), with some silt.
	100	- 5.3	2	19	35	: :				• 54	· · ·	· ·	 ∩∩ 1' •	SS-	20	16.8%		- 98.4ft -RESIDUAL- 5 - Gray, fine to coarse sandy SILT (A-4(0)),
	-	-	60/0.1'			: :												with little clay.
	95-	-				: :												
		- -				: :											闔	METAVOLCANIC.
	90 -	 -				: :				: :		· ·	: : :				園	<u>-</u>
	90-	_						: : :					: : :				鼍	
		-				::				: :								
	85 -	_				::	: : :											<u>-</u>
		-	-			::		· · ·				• •	: : :	RS	-4			
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	80 -	-				: :												- -
		-				: :						· ·						- -
	-				 	 · · ·	<u> </u>		• • •	···	· · · ·	· ·	· · ·	┼				75.4ft 26
		-																Coring terminated at elev. 75.4 feet in NON-CRYSTALLINE ROCK
l		L		-														(FELSIC METAVOLCANIC).
		<u> </u>																- Notes:
İ		_			-													1) Geologist indicates strata break in split spoon at 4.0'.
	-																	2) Auger refusal at 5.3'. 3) Coring began at 5.4'.
l		<u> </u>																4) Boring offset due to inaccessible proposed boring location.
	-	L																** 0 hr. water level not measured due to water
۱																		introduced for coring.
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NCDOL_BORE B-3865.GPJ NCDOL.GDI 8/20/03	-	Ė.																<u></u>
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							CORE BORING REPORT	DATE:	06/30-07/01/2003	
							COKE BOKING REPORT			
PROJECT:		8.2312601			I.D. NO.:	B-3865	BORING NO.: <u>B3-B</u>	GEOLOGIST: Chris Baldwin		
DESCRIPTION:		Bridge No. 2	12 over L	ittle River o	n SR 1002			SENIOR DRILLER: J.W. Gilchrist, Jr.		
COUNTY:		Johnston				COLLAR	ELEVATION: 103.7 ft TOTAL DEPTH: 28.3 ft	DRILLING ASSISTANT	Γ: M.W. Renza	
Elev.	Depth	Drill Rate	Run Length	REC (ft)	RQD (ft)	Sample	FIELD CLASSIFICATION AND REMARKS			
(ft)	(ft)	min./ft	(ft)	%	%	#	1122 C21031101110111101 ABMAINAD		98.3 ft (5.4 ft)	
98.3	5.4	5:30/0.9 ft	2.9	2.9/2.9	0.5/2.9		NCR-5.4-28.3 ft Gray, slightly weathered, hard Felsic Metavolcanic Rock			
		5:51		100%	17%		Close to moderately close fracture spacing.			
		5:55								
95.4 95.4	8.3 8.3	5:55	5.0	5.0/5.0	2.1/5.0					
		5:53		100%	42%		·			
		5:57		10070	4270		STRATA REC.=100% STRATA ROD=28%		·	
		3;37								
		5:57					11 joints at 0° 4 joints at 10°			
		5:55	1				2 joints at 30°			
90.4 90.4	13.3 13.3	5:59	5.0	5.0/5.0	1.1/5.0		1 joint at 35° 18 joints at 40°			
		6:01	-	100%	22%		21 joints at 50° 4 joints at 60°			
		5:56	4				4 joints at 70°			
			4							
		5:57								
85.4	18.3	5:57								
85.4	18.3	5:59	5.0	5.0/5.0	0.5/5.0					
		5:55	1	100%	10%	RS-4	RS-4 19.5-19.8 ft qu=13,168			
		5:54	-							
		6.50	4							
		5:57		İ						
80.4	23.3	5:56								
80.4	23.3	5:57	5.0	5.0/5.0	2.3/5.0		-			
		5:59	1	100%	46%					
		6:02	-							
		5:57	-							
l			4							
75.4	28.3	5:58			<u> </u>				75.4 ft (28.3 ft)	
ļ							NOTES:	Coring terminated at eleva	tion 75.4 ft	
1		JIPMENT:								
5		ig with automati CEMENT:	c hammer.							
		5.4 feet using 2 noer set at 5.4 fe		v stem augen	3.					
	using NC	3 w/SICB and a		iamond impr	egnated bit f	rom				
4. Drillir	5.4 - 28									