

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

~~~														SHEE	T 1 OF	1	
PROJE	CT NO.	8.23	53001			ID.	B-3450		С	OUNTY	Durh Durh	am		GEOLOGIST D.	Goodnight		
SITE DI	ESCRIP	TION	Bridge	e No. 12	22 Ove	r San	dy Creek	on SR 1	116 (G	arrett R	load)				GROUN	D WAT	ER (ft)
BORING	G NO.	B2-B		ВС	RING	LOCA	TION :	22+66		OFFS	ET 24	ft RT		ALIGNMENT -L-	0 HR.		3.1
OLLA	R ELEV	. 249	.5 ft	NORT	HING	803	337.68			EAST	ING 2	00775	4.72		24 HR.		4.3
OTAL	DEPTH	51.0	ft	DRILL	MAC	HINE	Mobile	B-57	DRILL	. METH	IOD 3	-7/8" 7	ricon	ne Wash/HQ Core HAMN	IER TYPE	140 lb	. Manı
DATE S	STARTE	D 10	/9/02			COM	PLETED	10/9/02	<u>.                                    </u>	SURF	ACE W	ATER	DEP.	TH NA	······································		
ELEV.	DEPTH	BL	ow co	UNT	T		BLOWS	PER FOO	T	<b>I</b>	SAMP.	<b>V</b> /	L				
(ft)	(ft)	0.5ft	0.5ft	0.5ft	<b>1</b>	20	40	60	80	100	NO.	MOI	O G	SOIL AND ROCK	DESCRIPTI	ON	
249.5 248.5 -	- 1.0				-						ـ			249.5 ROADWAY EMBANKN	ENT EILL A	Andium	
1	_	3	3	3	. •6						SS-11	22.6%		Stiff Red-Brown Silty C	parse to Fine	Sandy	
246.0 T	3.5	8	3	3	1:1		 					1	1	CLAY with a Trace of C	organic Matte	r	
243.5	- - 6.0				. 👫		 				· .		000	244.0 ALLUVIAL: Medium St		Coarse to	<u> </u>
344.0	8.5	5	2	3	· •5					•		W		ALLUVIAL: Loose Gre	Fine to Coa	rse SAN	<u>D</u> .
241.0	0.0	11	4	3	1.7	,	• • • • •,					w		with a Trace of Organic Plants) and with Traces	waπer (Deca of Clay and	iyea Silt	
<u> </u>	-				::		• • • • •			· · ·				- 237.5	<del>.</del> .		
236.0	13.5				: [ <del>,</del>		· · · · ·		 	· · ·			1	ALLUVIAL: Soft Grey S	Silty Coarse to	Fine	
	<del></del>	3	. 2	1	. ∳3		 <i>.</i>					w	17	Sandy CLAY			.*
‡	• . •				1 : E									· 232.5			
231.0	18.5			L		7: : :								ALLUVIAL: Stiff Grey C	Clayey Fine S	andy SIL	.T
	<b>-</b>	5	7	6		<b>•</b> 13	• • • • •				SS-12	28.2%	Ŀ	<b>-</b>			
İ														· 227.5			
26.0 T	23.5	75	25/0.1										3	WEATHERED ROCK: Triassic Mudstone	Grey and Re	d-Brown	
Ŧ	-	. •								00/0.6				-224.5 Greenish Grey and Rec	ldish Brown:	~~~~	
‡	•												〓	Moderately to Slightly V Medium Hard; Indurate	Veathered: So	oft to	
#	-				: : :								〓	220.4 with Very Close to Clos	e Fracture Sp	acing	
‡											RS-2			Greenish Grey and Rec Very Slightly Weathere	d; Moderately	Hard:	
<u> </u>							· · · · ·							Indurated Triassic Mude Siltstone by 33.7 feet w			
+	-								:				$\equiv$	214.7 Spacing	Cour Made		
Ŧ									<i>.</i>				$\equiv$	Green, Pink, White, and Slightly Weathered; Mo	derately Hard	to Hard;	
Ŧ				·			· · · · ·			: : :			#	<ul> <li>Moderately Indurated to Fine to Coarse Grained</li> </ul>	Triassic San	licaceous dstone	s;
Ŧ														with Wide Fracture Spa	cing		
+ ‡														• •			
#													量	205.0			٠.
<u> </u>			•			• • •							=	Reddish Brown and Gre Moderately to Slightly W	enish Grey; /eathered: Me	edium	
±							• • • •			• • •			#	201.7 Hard to Moderately Hand	d; Indurated 1	riassic	-
于	.							• • • •		: : :		.	#	<ul> <li>Spacing and with Iron C</li> </ul>	lasts		J
F													丰	198.5 Greenish Grey and Red Very Slightly Weathered	i; Moderately	Hard to	1-
Ŧ													-	Hard; Indurated Triassic	: Mudstone w	ith Wide	1
‡													E	Coring Terminated at El	evation 198.5	feet in	
±													F	Non-Crystalline Rock (V Triassic Mudstone)	ery Slightly V	veatnere	ü
Ŧ													F				
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## N.C.D.O.T. GEOTECHNICAL UNIT CORE BORING REPORT

PROJE	DESCRI		353001	1 -			3450				OUNTY Durham GEOLOGIST D. Goodnight
				≥ No. 1	22 Ove	r Sandy	Creek	on SR	1116	(Ga	Prreft Road)
	IG NO.	B2-E				LOCATI		22+66			OFFSET 24 ft RT ALIGNMENT -L- OHR 2.1
	AR ELE		9.5 ft	NORT	HING	80333	7.68				EASTING 2007754 72
	DEPTH		0 ft	DRILL	- MACI	INE I	Mobile	B-57	DF	SILL.	METHOD 3 7/9" Tricom My 1 11100
	STARTE		0/9/02			COMPL	ETED	10/9/	02		CUPTAOTING
ORE	SIZE	1Q				TOTAL	RUN	26.0 ft		$\dashv$	DRILLER B. Shull
	DEPTH	RUN	DRILL	REC.	RUN	SAMP.	ST	RATA	JLI		Driller B. Siluii
(ft)	(ft)	(ft)	RATE (Min/ft)	(ft)	RQD (ft) %	NO.	REC. (ft) %	RQD (ft) %	O G		DESCRIPTION AND REMARKS
224.5	25.0	1.0	6:38	(50%	(0%		(469/	(00)		*****	Begin Coring @ 25.0 ft
223.5	26.0		9:32	0.5)	(0.0)		(46% 1.9)	(0%	目	224	Greenish Grey and Reddish Brown: Moderately to Olivetic had
. [			3:57 5:58	(66%	(38%				目	220.	Spacing Spacing Wild Fracture
218.5	31.0		5:18 4:30				(100%		量		jts generally @ 0° to 10°
- 1		5.0	4:59	(100% 5.0)	(100% 5.0)	RS-2	5.7)	5.7)	昌		\1 it @ 45°
			4:41 4:14	5.0,	3.0)		l		目		Greenish Grey and Reddish Brown; Slightly to Very Slightly Weathered; Moderately Hard; Indurated Triassic Mudstone Transitioning to Siltstone by 33.7 feet with Wide Fracture Species
13.5	36.0	5.0	3:00 2:25	(000)	(055)		(98%	(98%	탈	214.	The state of the s
		0.0	1:28	(96% 4.8)	(96% 4.8)		9.5)	9.5)			No natural breaks Green Pink White and Crow Madagatal Color
08.5	ا ، ، ،		1:15 1:30						量		Green, Pink, White, and Grey; Moderately to Slightly Weathered; Moderately Hard to Hard; Moderately Indurated to Indurated; Micaceous; Fine to Coarse Grained Triassic Sandstone with Mid Freshmet.
0.0	41.0	5.0	2:30 2:55	(100%	(84%						Tacture Spacing
- 1	į		2:41 2:43	5.0)	4.2)				=		2 jts @ 0° at 35.0 feet Siltstone from 35.0 feet to 35.5 feet
3.5	46.0		2:41		1		(100%	(45%	#	205.0	Dark grey mudstone from 42.8 feet to 43.3 feet
		5.0	20:31 16:47		(80%		3.3)	1.5)	=		Hard to Moderately Hard: Indurated Trippe at the Land Weathered; Medium
		- 1	14:07 5:01 4:47	5.0)	4.0)	ŀ	(100%)	100%		201.7	Fracture Spacing and with Iron Clasts
8.5	51.0		4:45 4:26			1	3.2)	3.2)	〓.	198.5	jts generally @ 0° to 10°
			4.20						7	190.5	Greenish Grey and Reddish Proven Slightly 4- V. Silver St.
					4			- 1	F		Moderately Hard to Hard; Indurated Triassic Mudstone with Wide Fracture
	1.		- 1	1	- 1			1	F		N <u>o natural bre</u> aks
				1			1	1	F		Coring Terminated at Flevation 198 5 feet in New Community
	1		l				l		上		Weathered Triassic Mudstone)
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