

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

ROJE	CT NO.	8.23	53001			ID.	B-3450		C	YTNUC	Durh	am	*************		GEOLOG	IST D.	Goodnight		
TE D	ESCRIP	TION	Bridge	No. 12	22 O	ver San	dy Creek	on SR 1	116 (Ga	arrett Ro	oad)		,					D WATER	(ft)
ORIN	G NO.	B2-A	-	 -		G LOC		22+60			ET 11	ft LT		ALIGN	MENT -L-		0 HR.	0.0	
OLLA	R ELEV	/. 244	.3 ft	NORT	THING	G 803	3319.74			EAST	ING 2	00772	4.14				24 HR.	0.0	٥
OTAL	DEPTH	44.1	ft	DRILL	L MA	CHINE	Mobile	B-57	DRILL	METH	OD 3	-7/8" 1	ricor	ne Wash	n/HQ Core	HAMM	ER TYPE	140 lb. M	
	STARTE		30/02	1			PLETED				ACE W					1			
EV.	DEPTH		ow col	UNT	T			PER FO		L	SAMP		L						
(ft)	(ft)	0.5ft	0.5ft	0.5ft	ļ	20	-	60	80	100	l	MOI	O G		SOIL AN	ID ROCK	DESCRIPTION	ON	
			†		╁	L.						T WICH	Ĭ						
					1.														
4.3 3.3	- 1.0	<u> </u>		ļ	<u> </u>	*****	***					Y	000	244.3	A1 (4 (V/A) - 1/		4-1	Piere de	
3.3	- 1.0	3	2	1	:	 a						w	888	-	ALLUVIAL: V Coarse SAND	with a Tra	ace of Organi	ic Matter	
0.8	3.5	3	2	3	[: ⊦							l w	8000	-	(Rootlets and Traces of Clay	Decaying and Silt	Plants) and v	with ·	
7	-	,	2	"	1.	5					SS-9	- "	000	-					٠.
	-									: : :			000	-			٠		
5.8	_ 8.5	3	1	1	וַב: וּ						SS-10	29.6%		235.8	ALLUVIAL: V	erv Soft G	rev Coarse to	Fine	
7	;			1								1		-	Sandy Silty CL	AY	, , , , , , , , , , , , , , , , , , , ,		
).8 8.0	13.5				.L	·							1	232.3	ALLUVIAL: M	edium De	nse Grev Silt	v Coarse	
"	<u> 13.5</u> -	5	6	10	: :	16						w		- 	to Fine SAND	with a Tra	ice of Organi	c Matter	
1	-				: :									-	(Decayed Plan	its)			
i.8]	- _ 18.5				::	: <u>!</u> :			· · · ·	::: ;			5	226.8	WEATHERED	POCK.	Grov Trincel		
7	-	64	36/0.1		: :				30	00/0.6				225.2	\Mudstone		•	· 	
‡	-												〓	- 222.3	Greenish Grey Moderately We			ım Hard;	
‡	- -		l		: :										Moderately ind Very Close to	lurated Tri	iassic Mudsto	one with	-
1	-				: :								\blacksquare	-219.6	Greenish Grey	and Red	dish Brown; S	Slightly	
Ŧ	-				. :									•	Weathered; H Triassic Muds	ard; Indura tone with (ated Micaceo Close to Mod	us erately	
1	-			l										•	Close Fracture Tan, Grey, and	Spacing			
1	-				: :								〓		Weathered; M	edium Hai	rd; Moderate	ly .	
1	-				::	• • • •	· · · · ·		• • • •	:::			量		Indurated; Mic Triassic Sands	aceous; Fi stone with	ine to Coarse Moderately (e Grained Close	
+	-				: :		 			: : :				210.4	Fracture Space				
Ŧ	-				: :					: : :				209.2	Green, White, Slightly Weath			ery [
‡	-				: :									•	Micaceous; Fir	ne to Coar	se Grained 1		٠
#	-				: :									205.7	Spacing	1.0. L B		r	
‡	-				: :								量	204.0	Green with Re Slightly Weath	ered; Soft	to Medium I	lard:	
±	-				: :		· · · · ·			:::			〓		Moderately Ind Close to Very	lurated Tri Close Frac	assic Mudsto cture Spacino	one with	•
+					-									200.2	iron Clasts Greenish Grey				
Ŧ													F		Slightly Weath	ered; Mod	lerately Hard	; '	
Ŧ															Indurated Trias Close Fracture	Spacing			
‡						*				.				-	Greenish Grey Moderately We	and Redo	dish Brown; S Moderate to I	Slightly to Medium	
‡	.												Ŀ	•	Hard: Indurate	d to Mode	rately indurat	ted:	
土	•						•			1			·	•	Triassic Mudst Fracture Spaci	ng	-		
+							•						F		Greenish Grey Weathered; Ha				
#															Grading into S	iltstone wi	th Moderately	y Close	
1	_							•					E		Fracture Spaci Coring Termina		evation 200.2	feet in	
Ì	·												F		Non-Crystalline Triassic Siltsto	Rock (SI	ightly Weath	ered	
Ŧ	٠.									l			F	•	. massic ollow				
#									·	Ī			Ŀ	-					
<u></u>		1											F						
Ŧ	.												F		•				
#	.									l			Ė	•					
‡		.							•				Ŀ						
+													F						
土		1	- 1	1									t.	_					



N.C.D.O.T. GEOTECHNICAL UNIT CORE BORING REPORT

SHEET 1 OF 1

											SHEET 1 OF 1
PROJE	CT NO.	8.2	353001			ID. B-3	450			CC	DUNTY Durham GEOLOGIST D. Goodnight
SITE D	ESCRIP	TION	Bridge	No. 12	2 Ove	r Sandy C	reek o	n SR	1116	(Ga	rrett Road) GROUND WATER (ft
BORIN	G NO.	B2-A		ВО	RING	LOCATIO	N 22	2+60		Ī	OFFSET 11 ft LT ALIGNMENT -L- 0 HR. 0.0
COLLA	R ELEV	. 24	4.3 ft	NORT	HING	803319	.74				EASTING 2007724.14 24 HR. 0.0
TOTAL	DEPTH	44.	1 ft	DRILL	MACH	IINE M	obile E	3-57	Di	RILL	METHOD 3-7/8" Tricone Wash/HQ Core HAMMER TYPE 140 lb. Man
DATE	STARTE	D 9	/30/02	·	T	COMPLE	TED	10/1/0)2		SURFACE WATER DEPTH NA
CORE	SIZE H	łQ		***************************************		TOTAL R	UN 2	25.0 ft			DRILLER B. Shuli
ELEV.	DEPTH	RUN	DRILL	R	UN	SAMP.		RATA	L		
(ft)	(ft)	(ft)	RATE (Min/ft)	REC. (ft) %	RQD (ft) %	NO.	REC. (ft) %	RQD (ft) %	OG		DESCRIPTION AND REMARKS
							<u> </u>				Begin Coring @ 19.1 ft
225.2	19.1	5.0	5:30 6:00	(84% 4.2)	(58% 2.9)		(72%	(28%		- 225	Hard: Moderately Indurated Triassic Mudstone with Very Close to Close Fracture
			6:11 10:35	'	'		(93%	(89%		222	Spacing Spacing
220.2	24.1	5.0	6:00	(96%	(94%	<u> </u>	2.5)	2.4)		- 219	Numerous horizontal and vertical fractures with clay infilling, fracture spacing
		J.5	4:13 3:14	4.8)	4.7)		(100% 9.2)	(100% 9.2)	Ì	_	Greenish Grey and Reddish Brown; Slightly Weathered; Hard; Indurated
215.2	29.1		2:22 1:56		·				冒	_	Micaceous Triassic Mudstone with Close to Moderately Close Fracture Spacing
	∠9.1	5.0	1:00	(98%	(98%	 			目	_	1 jt @ 30° 1 jt @ 0°
			1:34	4.9)	4.9)					_	2 its @ 0°
210.2	34.1		1:49 1:56					<u>.</u>	圔	- - 210	Tan, Grey, and Orange-Brown; Moderately Weathered; Medium Hard; 24 Moderately Indurated; Micaceous; Fine to Coarse Grained Triassic Sandstone
		5.0	4:47 2:25	(80% 4.0)	(52% 2.6)			(100% \ 1.2)		209	with Moderately Close Fracture Spacing
			13:37 11:03	7.0)	2.0)		(69% 2.4)	(40% 1.4)		-	Iron staining of much of fabric
205.2	39.1	5.0	9:01	(4000/	10 407	 		(100%	層	_ 205	Green, White, and Grey; Slightly to Very Slightly Weathered; Hard; Indurated:
		5.0	7:37 10:06	∫(100% 5.0)	(84% 4.2)		1.7) (100%	1.7)	뻳	204	Fracture Spacing
			10:06 5:56 5:21 4:01				1.8)	0.6)		202	11 if @ 10°
200.2	44.1		3:30	/				(100% (2.0)	F	200	Dark grey mudstone layer from 33.2 feet to 33.6 feet —
										-	Green with Reddish Brown; Moderately to Slightly Weathered; Soft to Medium Hard; Moderately Indurated Triassic Mudstone with Close to Very Close Fracture
				·	jár					-	Spacing and with Iron Clasts
											Very broken 35.1 feet to 36.0 feet
									<u> </u>	-	6 jts @ 0° to 10°
									E	-	3 its @ 20° to 30° Greenish Grey and Reddish Brown; Very Slightly Weathered; Moderately Hard;
										-	Indurated Triassic Mudstone with Moderately Close Fracture Spacing
									F	-	No natural breaks Greenish Grey and Reddish Brown; Slightly to Moderately Weathered; Moderate
									F	-	to Medium Hard; Indurated to Moderately Indurated; Triassic Mudstone with Very Close to Close Fracture Spacing
									F	•	1
	İ	,								-	6 its @ 0° to 10° Greenish Grey and Reddish Brown; Slightly Weathered; Hard; Indurated
l										-	Triassic Mudstone Grading into Siltstone with Moderately Close Fracture Spacing
				.						•	No breaks
					1 2 3					-	Coring Terminated at Elevation 200.2 feet in Non-Crystalline Rock (Slightly
1		l					1		<u> </u>	•	Weathered Triassic Siltstone)
.	.]		F		
.									F	-	A Company of the Comp
	.						ĺ				•
	. [.					
		.					I			-	
	l	l							F		
		I		.		.			F		
										-	
		I			.]						
	İ				1				E	_	
		l			į				F		
1	.	l			İ	Ī					
									-		·