

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

	AND NO	~ ~~	F2024			T _I P	D 0450	-	1_	01111	. D				050:00		T 1 OF		
	ECT NO.		53001			1	B-3450			OUNTY		am			GEOLOG	IST D	. Goodnight		
	ESCRIP	TION	Bridge				dy Creek o		116 (G								4	D WATER	
ORIN	G NO.	B1-B		BC	DRING	LOCA	TION 2	2+15		OFFS	ET 20	ft RT		ALIGN	MENT -L-		0 HR.	5.	.0
COLLAR ELEV. 249.3 ft NORTHING 803288.62								EAST	ING 2	200776	8.86				24 HR.	. 4.	.9		
TOTAL DEPTH 46.6 ft DRILL MACHINE CME 850 DRIL							DRILL	. METH	OD 3	3-7/8"	Trico	ne Wash/	HQ Core	HAMI	MER TYPE	140 lb. A	uto		
ATE	STARTE	D 9/	19/02	· *************		COM	PLETED	9/23/02		SURF	ACE W	ATER	DEP	TH NA		<u></u>		***************************************	
LEV.	DEPTH	BL	ow co	UNT	T		BLOWS F	ER FOO	T		SAMP	.\\	1						
(ft)	(ft)	0.5ft	0.5ft	0.5ft	ļ	20	40	60	80	100	NO.	MO	O		SOIL AN	ID ROCI	(DESCRIPTI	ON	
					1							1	٦					············	
49.3	1			<u> </u>	<u> </u>							<u> </u>		249.3	******				
8.3	1.0	2	3	5	┧∷;						SS-8	24.7%		-	ALLUVIAL: N Fine Sandy Si			arse to	
45.8	3.5				-	I						1_	!	246.3	ALLUVIAL: V	-		ne SAND	
- 43.3 ⁻	6.0	2	1	2	.•3									_ 243.8					
		2	2	1	. •3		· · · · · ·					W	000		ALLUVIAL: V SAND with Tr			o Coarse	
40.8	8.5	WOH	1	1	1:	: : :						l w		- 241.0	ALLUVIAL: V	ery Loos	e Grey Moder	ately	
-	F			'	. 2							"			Organic (Deca Coarse SAND				٠
35.8 .	13.5													236.3			-		
<u> 5.0 </u>	13.5	2	1	1	ż							w	000	_	ALLUVIAL: V Coarse SAND	ery Loos	e to Loose Gr	ey Fine to	
	ļ .				1:1		• • • • •						000	- · ·	Organic Matte	r (Decay	red Wood)	ont and	
0.8	18.5				1:1		• • • • • • • • • • • • • • • • • • •						000	-					
_	-	2	4	3	1: }	Ż							000	-					
	F				• •								000	- 227.3					;
5.8	23.5				: :'								2	225.7	WEATHERED	ROCK	Grey Triass	ic	
-	_	60/0.1			: :		· · · · · ·			60 <i>/</i> 0.1					Sandstone Pink and Gree	nish Gre	ey; Moderately	,	/
•	- ·				: :									222.9	Weathered; M	ledium H edium to	lard; Indurated Coarse Grain	i; ed Triassic	
	-												\equiv	. \	Sandstone wit	h Close			
-	-				: :										Fracture Spac Greenish Gre	and Bro	own; Slightly to	o Very	٢
-	-				: :		· · · · · ·							217.5	Slightly Weath Indurated Tria	iered; Mi ssic Muc	oderately Hard Istone with Cl	t; ose to	
-	L				: :				· · · ·					- 1	Moderately Cl Greenish Grey	ose Frac	ture Spacing		
-	_				: :		<i></i> .							- [1	Weathered; M	edium H	lard; Indurated	Triassic	
1												İ			Mudstone with Spacing	Very Cl	ose to Close	Fracture	
_	<u> </u>				: :									- 1	Greenish Grey Slightly Weath	and Bro	own; Slightly to	Very	
4	<u> </u>				::		· · · · · ·						目	- \	ndurated Tria	ssic Muc	Istone Grading	g into	
. •	_				: :	• • • •							目	·)	Siltstone by 36 Close Fracture	Spacin	g		
-	_				: :				 			l .	国		Pink, Brown, (Moderately W	Greenish	Grey, and Gr	ey; Hard to	
-					· ·							<u> </u>	曰	202.7	Medium Hard;	indurate	d; Medium to	Coarse	,'
1	-												1	- 1	Grained; Sligh Sandstone wit	h Moder	ceous; i riassi ately Close to	c Close	1
-	_						-					l		- 1	Fracture Space Coring Termin	ingated at 3	02 7 feet in		
1	-													- 1	Non-Crystallin	e Rock (Moderately W	eathered	
1								•						•	Triassic Sand	sione)			
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N.C.D.O.T. GEOTECHNICAL UNIT CORE BORING REPORT

SHEET 1 OF 1

	1415					:					SHEET 1 OF 1
PROJE	CT NO.	8.23	353001			ID. B-3	450			CC	OUNTY Durham GEOLOGIST D. Goodnight
SITE D	ESCRIP	TION	Bridge	No. 12	2 Ove	er Sandy C	reek o	n SR	1116	(Ga	arrett Road) GROUND WATER (ft)
BORIN	G NO.	B1-B		ВО	RING	LOCATIO	N 22	2+15			OFFSET 20 ft RT ALIGNMENT -L- 0 HR. 5.0
COLLA	R ELEV	. 249	9.3 ft	NORTI	HING	803288	3.62				EASTING 2007768.86 24 HR. 4.9
TOTAL	DEPTH	46.	6 ft	DRILL	MAC	HINE C	ME 85	0	DF	RILL	METHOD 3-7/8" Tricone Wash/HQ Core HAMMER TYPE 140 lb. Auton
DATE S	STARTE	D 9	/19/02			COMPLE	TED	9/23/0	2		SURFACE WATER DEPTH NA
CORE	SIZE +	IQ				TOTAL R					DRILLER R. Toothman
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC.	UN RQD (ft) %	SAMP. NO.	REC. (ft)	RQD (ft) %	L O G	•	DESCRIPTION AND REMARKS
											Pagin Caring @ 22.5.#
225.7	23.6	3.0	2:08	(100%	(57%	-	(100%	(61%		_225	This and Discondit Ordy, Moderatory Troubleton, Moderator, Madrator,
222.7	26.6		2:01 13:34	3.0)	1.7)	1	2.8)	1.7)	目	222	Micaceous Medium to Coarse Grained Triassic Sandstone with Close to Moderately Close Fracture Spacing
		5.0	4:45 5:01	(88%	(62% 3.1)		(88% 2.9)	(85% 2.8)	国	-	8 jts @ 0° to 10°
			8:14 11:51				(81%	(19%		<u> 219</u> -	9.6
217.7	31.6	5.0	12:25 5:08	(96%	(88%		(100%	(92%		<u> 217</u>	17.5 Greenish Grey and Brown; Slightly to Very Slightly Weathered; Moderately Hard; 3 Indurated Triassic Mudstone with Close to Moderately Close Fracture Spacing
			5:25 5:56	4.8)	4.4)		5.9)	5.4)	昌	-	26.4 feet to 27.0 feet is moderately weathered with very close to close fracture
212.7	36.6		4:57		L				目	- `	spacing; fractures @ 0°
		5.0	3:00	√ (96% 4.8)	(94% 4.7)		(98%	(85%		- 211 -	11.6 27.0 feet to 29.7 feet - 3 its @ 0° to 10° Greenish Grey and Brown; Moderately Weathered; Medium Hard; Indurated
007.7	44.0		2:54 7:30				8.7)	7.6)		-	Triassic Mudstone with Very Close to Close Fracture Spacing
207.7	41.6	5.0	1:43 2:22	(100%						-	12 jts @ 0° to 10° Numerous small unopened fractures
			1:33 2:23 1:35 3:20 6:22	5.0)	4.0)					-	Greenish Grey and Brown; Slightly to Very Slightly Weathered; Moderately Hard; Indurated Triassic Mudstone Grading into Siltstone by 36.8 feet with Close to
202.7	46.6		3:20 6:22							- - 202	
										- - -	2 jts @ 10° and 2 jts @ 30° with light clay Very broken 32.8 feet to 33.0 feet Pink, Brown, Greenish Grey, and Grey; Moderately Weathered; Moderately Hard to Medium Hard; Indurated; Medium to Coarse Grained; Slightly Micaceous;
										 -	Triassic Sandstone with Moderately Close to Close Fracture Spacing
			,							- -	11 jts @ 0° to 10° 1 jt @ 50° at 44.2 feet Intact 44.2 feet to 46.6 feet except for mechanical fractures
										-	Coring Terminated at 202.7 feet in Non-Crystalline Rock (Moderately Weathered Triassic Sandstone)
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