

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

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VBS EI	EMEN	T NO3	4209.1.	1		ID N	о.		I-402	5A	COL	NTY	Yadki	in/Sur	гу		GEOLOGIST D	. Goodnight/P	. Weaver
SITE DE	SCRIP	MOIT	Bridge	No. 13	on I-	77 SB	L Ove	r Yadk	din Riv	er, Y	'adkir	Vall	ey RR,	and N	IC 26	88		GROUND	WATER (f
ORING	3 NO.	B2-A (S	ВО	RING	LOC	ATIO	N 27-	+30		С	FFSI	ET 33f	t LT		ALIG	NMENT -SBL	0 HR.	NA
OLLA	R ELEV	<i>l</i> . 858	7 ft	NORT	HING	914	4908.6	 36			E	AST	NG 14	46297	9.75			24 HR.	NA
	DEPTH			DRILL					No.	DD						y/NQ Co	ara LIABB	MER TYPE	
				DRILL	INIAC					אט								VIER TIPE	140 lb./ivian
	TARTE		5/04			COM		FED 5			S			ATER	DE	PTH 6.	8 ft.		
LEV.	DEPTH	BLO	ow cor	JNT				WS PE					SAMP.	V /	0		SOIL AND ROC	C DESCRIPTIO	N
(ft)	(ft)	0.5ft	0.5ft	0.5ft	O I	20		40 	60 	3	30 	100	NO.	MOI					
1																			
58.7 58.7	0.0	1	3										SS-7	W	000	858.7	ALLUVIAL: Loose, B	Fire to 0	
Juli 1	. 0.0	1	3	3	· 🏟	6		· · ·	· · ·	• •	<i>.</i>		33-1	**	0000	- - 856.5	SAND with Gravel		
55.2	3.5														2		WEATHERED ROCK Severely Weathered,	: Brown with W	/hite,
+	•	60/0.2					: : :				66/	0.2				-	Biotite Schist with Ver	y Close to Clos	і паіц, se
‡	•				: :										2	<u>-</u>	Fracture Spacing		
	· -															_			
18.8	9.9	55	45/0.2		: :										2	_			
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13.8	<u>. 14.9</u> -	100/0.4									100	0.4				842.9			
Ŧ	•					: : :				: :					17		CRYSTALLINE ROCI	K: Grey with W	hite and
#	-				::				· · ·	: :	: : :	• •			H	840.2	¬ Hard to Very Hard, Bi	otite Schist with	Close to r
1	- -														ريا	-	Moderately Close Fra		
+	•				: :										(1)	Ŀ	CRYSTALLINE ROCI White, Slightly Weath	ered, Moderate	ly Hard
4	-				: :			: : :	: : :	: :	: : :					_	to Hard, Biotite Schist Close Fracture Spaci	with Very Clos	e to
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‡			 		 									 	 	<u>828.8</u>		<u> </u>	
+	-															E	Coring Terminated at Crystalline Rock: Bio	⊨levation 828.8 tite Schist	s teet in
• 🕂	-															<u> </u>	Note: River water alc		lina fluid
‡	-															F	. 1010. Taver water all	uocu as ulli	ıy nala
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										COUNTY Yadkin/Surry GEOLOGIST D. Goodnight/P. Weaver					
SITE D	ESCRIF	MOIT	Bridge	No. 13	on I-7	7 SBL O	/er Yad	dkin Ri	iver,	r, Yadkin Valley RR, and NC 268 GROUND WATER (ft)					
	G NO.			ВС	RING	LOCATIO	ON 27	7+30		OFFSET 33ft LT ALIGNMENT -SBL 0 HR. NA					
COLLA	AR ELEV	1. 858	3.7 ft	NORT	HING	914908	3.66			EASTING 1462979.75 24 HR. NA					
TOTAL	DEPTH	1 29.	9 ft	DRILL	MAC	HINE CI	ME 45	Skid	DF	DRILL METHOD Wash Rotary/NQ Core HAMMER TYPE 140 lb./Manua					
DATE	STARTE	ED 5	/5/04			COMPLE	ETED	5/6/04		SURFACE WATER DEPTH 6.8 ft.					
CORE	SIZE 1	1Q				TOTAL F				DRILLER R. Toothman					
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (ft) %	UN RQD (ff) %	SAMP. NO.	REC. (ft)	RQD (ft) %	L O G	DESCRIPTION AND REMARKS					
										Desire Codes @ 27#					
855.0		1.2	2:38	(0.0)	(NA)		(2.2)	(NA)	P	Begin Coring @ 3.7 ft Begin Coring @ 3.7 ft WEATHERED ROCK: Brown with White, Severely Weathered, Soft to 3					
<u>853.8</u> /	4.9	5.0	0:36/0.2 1:57	<u> </u>	(NA)		20%			Medium Hard, Biotite Schist with Very Close to Close Fracture Spacing					
			1:45 2:02	0%					2	All of fabric and jt faces are iron stained Majority of jts @ 10° to 20°					
848.8	9.9		1:59							majority of Joseph to 10 25					
848.1	10.6	4.3	V=100/0. 0:42/0.3	(2.2) 51%	(NA)	1			2	量					
843.8	14.9		2:41	L											
843.4	15.3		3:37	(3.7)	(2.1)		(2.5)	(1.7)	H	842.9 15 CRYSTALLINE ROCK: Grey with White and Pink, Slightly to Very Slightly					
			3:14 V=100/0.		46%		93%	63%	1	Weathered, Hard to Very Hard, Biotite Schist with Close to Moderately Close Fracture Spacing					
838.8	19.9	5.0	1:32/0.6 2:37	(3.8)	(0.9)		(9.4) 82%	(2.4) 21%		Moderately weathered, medium hard, with very close fracture spacing 15.8					
			3:51 3:27	76%	18%				1	A feet to 16.3 feet					
833.8	24.9		3:03 2:26	4						3 jts @ 10° to 20°, 1 jt @ 80° Abundant feldspar porphyroblasts					
		5.0	3:50 4:03	(4.4) 88%	(1.1) 22%		1			CRYSTALLINE ROCK: Grey with Tan and White, Slightly Weathered, Moderately Hard to Hard, Biotite Schist with Very Close to Close Fracture					
			9:58	1 00%	22.70				1,00	Spacing					
828.8	29.9	<u> </u>	6:44	-1	ļ	-	ļ		[//	¹ √ 828.8 Majority of jts @ 10° to 20°					
			6:41 11:51							Abundant feldspar porphyroblasts Very broken 19.4 feet to 20.6 feet					
			6:14 8:27												
										Note: 1.0 foot of rock from Run No. 6 could not be retrieved from hole; REC value based on assumption that all would have been retrieved if not for faulty					
										lifter. Coring Terminated at Elevation 828.8 feet in Crystalline Rock: Biotite Schist					
										Note: River water alone used as drilling fluid					
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