

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

SHEET 1 OF 1

OF 18	ATSI														SI	HEE	T 1 OF 1	
PROJEC	CT NO.	112.	104401	0		ID.		CC	YTAUC	Hayw	ood			GEC	LOGIST	В.	Deobald	
SITE DE	SCRIP	TION I	-40 Slide	at Mile N	/arker	1; Site 4											GROUND WAT	ER (ft)
BORING	S NO.	MB-9		ВО	RING	LOCATION	22+92		OFFS	ET 9ft	RT		ALIGN	MENT	-EL4-		0 HR.	ND
<u> </u>					759,809	U	S ft	EAST	NG 78	39,613	3		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	US	S ft	24 HR.	ND	
TOTAL	DEPTH	40.4	ft	DRILL	MAC	CHINE D-50	ATV		DRILL	. METHO	OD	Rotar	y Wash/0	Core	HAI	MMEI	R TYPE 140-lb. Ma	anual
DATE S	TARTE	D 12	/14/04	L		COMPLETE	ED 12/15/04		SURF	ACE W	ATER	DEP	TH N/A					
ELEV.	DEPTH	BLO	OW COL	JNT		BLO	WS PER FOOT		· · · · · · · · · · · · · · · · · · ·	SAMP.	V/	L			OIL AND I	2001	COCOUNTION	
(ft)	(ft)	0.5ft	0.5ft	0.5ft	0	20 4	10 60	80	100	NO.	МОІ		····		JIL AND I		DESCRIPTION	
4 554 0						0	d Ountage											
1,551.0 1,551.0	0.0	3	9	8	. .		ound Surface				М	LIO					t Fill: Gray and tan, si	0. Ity,
. 1	-											-0			e, SAND (A BRAYWAG) w/ gravel and cobbles	
1,546.4	4.6	60/0.2							60/0-2		м	10						
\pm	-	60/0.2						·			"	Llod						
1,541.5	- - 9.5						· · · · · · · · · · · · · · · · · · ·	 										
1,041.0	- 3.5	7	10	9	1 : :	9 19		 			М		-					
7	-				: :	·/						H°4	-					
1,536.5	- 14.5	17	2	3		/ : : : : :					М	٢٠	-					
4	_	17	2	3		5					IVI	10						
Ŧ	-					\							1,532.5	Doodus	- Emban		t Fill: Tan, clayey, f. to	18
1,530.2	20.8											-0	- ,	cse. sai	ndy, SILT	(A-4)	w/ METAGRAYWAC	KE
. 1	-	5	6	5	: :	1.1					W	Log	-	gravel a	and cobble	es		
1,526.4	- 24.6				: :			· · ·	60/0.0			H	1,526.8	Cnetall	line Rock	Brow	n and dark to light gra	24
1	_	60/0.0			: :									slightly	weathere	d to fr	esh, v. closely to wide	
1	-				: :							(/)	_	METAG	ed, hard to SRAYWA	CKÉ ((11 ioints at 0-10°; 1 io	oint
1	-												-	close to	closely f	ractur	3 joints at 70-80°, ven ed zone from 35.1 to	/
1	-				: :							K //	_	36.5 ft;	with trace	clay	and Fe staining)	
1	-		İ		: :							1	-					
_	-				: :							1/1	_					
	-				: :							1	-					
-		ļ	ļ	ļ	<u> </u>	· · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · ·	· · ·	ļ	<u> </u>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- 1,510.6	D. f.			-i	40
]	-												-	1510.6	ft) in Crys	stalline	ninated at 40.4 ft (Eleve Rock: Fresh, widely	/.
1													-		-		ETAGRAYWACKE	
	-														ed: Serie: 2 NQ core		sing bit w/ advancer;	
-	Ė														Fluid: Wa			
-	ļ.																from offset boring	
-	-													approx	imately 1. ore boring	0 ft ur	ostation and 1.0 ft righ	t of
-	_												-	MB-9 C	ore boring	g ioca	tion.	
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N.C.D.O.T. GEOTECHNICAL UNIT CORE BORING REPORT

SHEET ZY

SHEET 1 OF 1

OF 11	ANIE									SHEET 1 OF 1							
PROJE	CT NO.	112.	1044010)		ID.			(COUNTY Haywood GEOLOGIST B. Deobald							
SITE D	ESCRIP	TION	-40 Slide	at Mile I	/larker	1; Site 4				GROUND WATER (ft)							
BORIN	G NO.	MB-9		во	RING	LOCATIO	ON 22	+92		OFFSET 9 ft RT ALIGNMENT -EL4- 0 HR. ND							
COLLAR ELEV. 1,551.0 ft NORTHING 759,809 US									US fi	ft EASTING 789,613 US ft 24 HR. ND							
TOTAL DEPTH 40.4 ft DRILL MACHINE D-50 ATV										DRILL METHOD Rotary Wash/Core HAMMER TYPE 140-lb. Manual							
DATE	STARTE	D 12	/14/04			COMPLE	TED	12/15/	04	SURFACE WATER DEPTH N/A							
CORE	SIZE N	Q				TOTAL R	UN 1	9.2 ft	***************************************	DRILLER D. Rhodes							
ELEV.	DEPTH	RUN	DRILL	REC	UN	SAMP.	STR	ATA	L	DESCRIPTION AND REMARKS							
(ft)	(ft)	(ft)	RATE (Min/ft)	REC. (ft) %	RQD (ft) %	NO.	REC. (ft) %	RQD (ft) %	Ğ	DESCRIFTION AND REMARKS							
										Begin Coring @ 13.6 ft							
1,537.4	13.6	3.0	10:00	(N/A)	(N/A)	(N/A)	(N/A)	LIº/-	Roadway Embankment Fill: Gray and tan, silty, f. to cse. SAND (A-2-4) w/							
1,534.4	16.6		N=5 3:15						Lie	METAGRAYWACKE gravel and cobbles							
			2:35	1					19	1,532.5							
									H3+	Roadway Embankment Fill: Tan, clayey, f. to cse. sandy, SILT (A-4) w/ METAGRAYWACKE gravel and cobbles							
			N=11						His I								
 			E-00	15.5	1,5 =	. 	(45.5)	(40.4)		1,526.8 24.2							
1,526.8	24.2	5.7	5;00 N≈60/0.0 5:00	(5.5) 96%	61%		(15.9) 98%	(12.1) 75%	T.J	Crystalline Rock: Brown and dark to light gray, slightly weathered to fresh, v. closely to widely fractured, hard to very hard METAGRAYWACKE (11 joints at							
			5:00 6:00							0-10°, 1 joint at 30°, 4 joints at 45°, 3 joints at 70-80°, very close to closely fractured zone from 35.1 to 36.5 ft; with trace clay and Fe staining)							
1,521.1	29.9	5.2	4:00 5:00/0.7	(5.2)	(4.8	, 	1		1								
		5.2	4:00 3:00	100%					作	- ·							
	05.4		4:00 3:00 3:00							•							
1,515.9	35.1	5.3	1:00/0.2 5:00	(0.2)	(3.8		1		作	_							
			4:00 4:00	98%	72%	6											
1,510.6	40.4		4:00 4:00						<u> </u>	- - 1,510.6 40.4							
			1:00/0.3	<u> </u>						 Coring terminated at 40.4 ft (Elev. 1510.6 ft) in Crystalline Rock: Fresh, widely fractured, very hard METAGRAYWACKE 							
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