									•		~~~	171/	Modula			GEOLOGIST Nash & Skeen	
							R-2248E									GEOLOGIST Nash & Skeen	
				ige on			allard Cro		ad) ove		-			ĸ			
	NG NO.						TION 16						ft RT	~-		ALIGNMENT -Y22-	0 HR. 0.
	AR ELE				_	-	AL DEPT	-					179,9	85		EASTING 450,381	24 HR. 0.
					_		L METHO						-				
	ER D		1				RT DATE				COMF	P. DA	FE 03/	10/10	1 L T	SURFACE WATER DEPTH	I/A
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLC 0.5ft	0.5ft	UNT 0.5ft	0	2		'S PER F 50 1		75	100	SAMP. NO.	мо	0	SOIL AND ROCK DES	CRIPTION DEPTH
650	-	-					. b									- 647.6 GROUND SURF	
645	644.0	3.6								· · ·						Gay & Tan Stiff Silty Fine Plastic CLAY (A	Sandy Highly
	-	t t	2	4	5		· •9 · · ·	· · ·	· · ·	 . <u></u>	_ · ·	· · ·	SS-30	М		641.6	
640	639.0	8.6	20	45	52	-	· · · · ·			· · ·	 		00.01			RESIDUAL – Tan Very Dense Silty Fine	
	-	ŧ	20	43	52		· · · · · · · ·	· · · · · ·	· · · ·	· · ·	· · ·	· • •97	7 SS-31	D		637.1 WEATHERED R	
635	635.4	12.2	60/0.1				· · · ·		· · ·		· ·	 50/0.1	SS-32	No		Gray Metamorphos	ed Rock)1
630	-	+ + + +					· · · · ·	· · · · · · · · · · ·	· · · ·	· · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · ·	()	Rec		CRYSTALLINE F Gray, Fresh to Very Slighty to Very Hard, Moderately C Fractured Spacing, Very T Metamorphosed	Weathered, Hard Close to Closely Thickly Bedded,
625	-						· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · ·	· · · · · ·	· · · · · ·	· · · · · · · · · · · · · · · · · · ·				REC = 98% RQ	D =70%
020	-						· · · · · · · · · · · · · · · · · · ·	· · ·		· · ·	 	 				-	
620	-	ł					· · · ·					• •				-	
	-						· · · · ·	· · · · · ·		· · ·		· · · · ·				615.6	3
615		-														- Boring Terminated at Eleva Crystalline Rock: Gray Meta	ation 615.6 ft in
610	-	-														1) Station and offset ar 2) Advanced a 2-15/16" tri-c	e in METRIC
	-															 12.2 feet. 3) Set HW casing to 3 feet b ground. 4) Set NW casing to 12 f 	Ū.
605	- - -															existing grour 5) Advanced a NQ2 core bai to 32 feet.	nd. rrel between 12.3
600	-															6) Used swamp water as	s drilling fluid.
595	-															_	
	-																
590	-															-	
585	-	ŧ															
	-																
580	-															-	
575	-	I I														-	
570	-																

PRO		D. 344	10.1.2	25	ID.	R-224	8E			со	UNTY Mecklenburg	GEOLOGIS	T Nash & Skeen		
								oad) ov	ver trib		y to Stone Creek	1		GROUND W	/TR (ft)
BOR	ING NO.	B-36			STAT	ΓΙΟΝ	16+30			OF	FSET 9 ft RT	ALIGNMEN	T -Y22-	0 HR.	0.6
COL		EV . 64	7.6 ft		тот	AL DE	PTH 32.	.0 ft		NORTHING 179,985 EASTING 450,381 24 HR.				0.2	
DRIL	L MACH	I INE D	Diedric	h D-50	DRIL	L MET	HOD 2-	15/16	" tri-cc	ne v	<i>v</i> ith rotary wash	HAMMER TYPE Automatic			
DRIL	LER D	uggins,	. W. Т	-	STAF	RT DA	TE 03/0	9/10		со	MP. DATE 03/10/10	SURFACE WATER DEPTH N/A			
COR	E SIZE	NQ					N 19.8 f								
ELEV (ft)	RUN ELEV (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (ft) %	JN RQD (ft) %	SAMP. NO.	STR REC. (ft) %	ATA RQD (ft) %	L O G	ELEV. (ft)	DESCRIPTION A	ND REMARKS	C	DEPTH (ft)
635.3												Begin Coring			
630	630.6	- <u>17.0</u>	5.0	5:21/1.0 5:02/1.0 4:56/1.0 3:55/0.8 7:43/1.0 6:26/1.0 6:42/1.0	(5.0) 100%	(2.8) 56%					Gray, Fresh to Ven Close to Closely Frac	y Slightly Weathe ctured Spacing, V	LINE ROCK ered, Hard to Very Har /ery Thickly Bedded, N ontinued)	d, Moderately /letamorphosed	
625	- 625.6 -	- 22.0		5:21/1.0 6:43/1.0						R	-				
020	-	-	5.0	7:10/1.0 7:55/1.0	(4.7) 94%	(4.2) 84%				R	-				
	- 620.6 -	27.0		7:05/1.0 6:22/1.0							-				
620	020.0 -	- 27.0	5.0	5:48/1.0 7:42/1.0 7:10/1.0	(5.0)	(4.8) 96%					-				
	_	E		7:10/1.0 5:58/1.0 6:34/1.0	100%	90%									
615	615.6 -	- 32.0		6:39/1.0						5Z	- 615.6 	ted at Elevation	615.6 ft in Crystalline F	Rock: Grav	32.0
	-	-									-	Metamorph	nosed Rock		
610	-	-											set are in METRIC cone to a depth of 12.2	2 feet.	
610	-	-									– 3) Set HW	casing to 3 feet	t below the existing gro	ound.	
	-	-									- 5) Advance	d a NQ2 core ba	arrel between 12.3 to 3 ater as drilling fluid.	2 feet.	
605	-	-													
	-	-									-				
600	-	-									-				
	-	-									-				
	-	-									-				
595		E									-				
	-										-				
590	-	-									-				
	-	-									-				
505	-	_									-				
585	-	-									-				
	-	-									-				
580	-	-									-				
/10	-	-									-				
F ∞ ⊢ 575	-	-									-				
0/0	-	-									-				
NCDOT CORE SINGLE 10-0045.GPJ NC_DOT.GDT 3/11/10 0995 0995 0995 0995 0995 0995 0995 09	-	F									-				
2 570	_	F									-				
15.GP	-	E									-				
700-0 565	-														
SLE 2	-	Ļ									-				
SING	-	Ł									-				
표 <u>560</u>		F									-				
DOT (-	ŀ									-				
ÖZ	-	ł									-				

		ROCK C	ore Photo			
Project No.: 34410.1.25	I.D. No.:	R-2248E	County: Meck	lenburg	Geologist: A. A. Nash	
Site Description: Bridge on	-Y22- (Mal	llard Creek Road)	over tributary to	Stone Cr	eek	
Boring No.: B-36	Station:		Offset:		Alignment: -Y22-	
Total Depth: 32.0 feet	Collar Ele	ev.: 647.6 ft	Start Date: 3/9	/2010	Comp. Date: 3/10/2010	
Driller: Willie Duggins		Core Size: NQ		Drill Ma	achine: Diedrich D-50	
feet 0	0.5			1.5	2	
12.2 ft						
17.0 ft			1.3		m	
				MAR	20.3 ft	
feet	0.5			1.5	2	
20.3 ft 22.0 ft						
		27.0 ft		Barris Alle	MAR 12	

	Rock C	Core Photo	
Project No.: 34410.1.25	I.D. No.: R-2248E	County: Mecklenbu	rg <i>Geologist:</i> A. A. Nash
Site Description: Bridge on	-Y22- (Mallard Creek Road)	over tributary to Stor	ne Creek
Boring No.: B-36	Station:	Offset:	Alignment: -Y22-
Total Depth: 32.0 feet	Collar Elev.: 647.6 ft	Start Date: 3/9/2010	<i>Comp. Date:</i> 3/10/2010
Driller: Willie Duggins	Core Size: NQ	Dri	ill Machine: Diedrich D-50
feet 0			2

									\								
	ECT NO						R-2248E							Meckler			GEOLOGIST Nash, A. A.
				ge on			allard Ci) over		-			ĸ		GROUND WTR (ft)
BORI	NG NO.	B-37			S	TAT	TION 1	6+55			_			ft RT			ALIGNMENT -Y22- 0 HR. N/A
COLL	AR ELE	EV. 64	6.6 ft		Т	ОΤ	AL DEP1	TH 2	26.1 ft		N	ORTI	HING	i 180,0	01		EASTING 450,435 24 HR. N/A
DRILI	MACH	IINE D	Diedric	h D-50) D	RIL	L METH	OD	2-15/	16" tri	-cone	with	rotar	y wash			HAMMER TYPE Automatic
DRILI	.ER D	uggins	, W. T.		S	TAF	RT DATE	03	8/10/1	0	c	OMP	. DA1	FE 03/	10/10		SURFACE WATER DEPTH 0.3ft
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLC 0.5ft	0W COI 0.5ft	JNT 0.5ft	0	2	BL(25		PER FC	OT 75		100	SAMP. NO.	мо	L O I G	SOIL AND ROCK DESCRIPTION ELEV. (ft) DEPTH (f
650		-													▼		
645	643.1	3.5		_			· · · •	· · ·	· · ·	· · ·	· · ·	· · · ·	· ·		-		ALLUVIAL Gay & Tan Stiff Silty Fine Sandy CLAY (A-7-5)
640	640.0	6.6	4	5	14		· · · • •1!	9 	· · ·	-:-:-	÷÷-			SS-33	W No		642.1 4. 641.4 RESIDUAL 5. 639.9 Tan Medium Dense Silty Coarse to Fine 6.
635	-						· · · · ·	· · ·	· · ·		· · · · ·	· · · ·	· · · · · ·		Rec		637.0 Saprolitic 9. (Gray & Orange Metamorphosed Rock)
000	-						· · · · ·										CRYSTALLINE ROCK Tan & Gray, Moderately to Very Severely Weathered, Hard to Soft, Close to Very
630	-						· · · · ·		· · ·								Closely Fractured Spacing, Very Thickly Bedded, Metamorphic Granite Between 8.7 to 9.6 was Very Severely
625	-						· · · · ·	· · · · · · · · · · · · · · · · · · ·	· · ·	· · · · · · · · · · · · · · · · · · ·	· · ·	· · · ·	· · · ·				Weathered Seam REC = 73% RQD =0%
	-						· · · · ·		· · ·	1	 	· · · ·					CRYSTALLINE ROCK Gray, Fresh to Very Slightly Weathered, Hard to Very Hard, Moderately Close to Closely
620		<u>+</u> - -					<u></u>	· ·			•••		· ·				Fractured Spacing, Very Thickly Bedded, <u>26</u> Metamorphosed Rock
615	-	-															Boring Terminated at Elevation 620.5 ft in Crystalline Rock: Gray Metamorphosed Rock
	-																1) Station and offset are in METRIC 2) Advanced a 2-15/16" tri-cone to a depth of 6.6 feet.
510	-	-															 3) Set HW casing to 3 feet below the exisiting ground. 4) Set NW casing to 6.5 feet below the
605	-																 existing ground. 5) Advanced a NQ2 core barrel between 6.6 to 26 feet. 6) Used swamp water as drilling fluid.
600	-																
	-																
595	-	-															-
590	-																
	-																- - -
585	-																
580	-	+															
575	-																
575	-	+															
570	-																F

	JECT N					R-2248				-	UNTY Mecklenburg	GEOLOGIST	Nash, A. A.	1
				dge on -Y	· · ·			oad) o	ver tri	-	/ to Stone Creek	1		GROUND WTR (ft)
	NG NO						16+55			-	FSET 9 ft RT	ALIGNMENT		0 HR. N/A
	AR EL				тот	AL DEI	PTH 26	.1 ft						24 HR. N/A
				h D-50					" tri-co	one with rotary wash HAMMER TYPE Automatic				Automatic
	LER D		, W. T				TE 03/1			co	MP. DATE 03/10/10	SURFACE W	ATER DEPTH).3ft
COR		NQ				AL RUI	N 19.4			\downarrow				
ELEV (ft)	RUN ELEV	DEPTH (ft)	RUN (ft)		REC.	RQD (ft) %	SAMP. NO.	STF REC. (ft)	RQD (ft) %			DESCRIPTION AN	ND REMARKS	
	(ft)	(,	(,	(Min/ft)	(ft) %	%		(ft) %	%	G	ELEV. (ft)			DEPTH (ft
639.9	639.9	6.7	4.4	9:20/1.0	(3.6)	(6.0)					_ 639.9	Begin Coring CRYSTALL	NE ROCK	6.7
		ŧ		9:59/1.0 6:41/1.0	82%	136%				N.	Tan & Gray, Modera <u>637.0</u> Very Closely Fracture			
635	635.5	<u> </u>	5.0	5:40/1.0 2:56/0.4	(5.0)	(3.2)					- Grav Fresh to Ver	CRYSTALL	NE ROCK red, Hard to Very Ha	rd Moderately
		ŧ		5:28/1.0 4:47/1.0 5:28/1.0 6:00/1.0	100%	64%					Close to Closely Fra	ictured Spacing, Vo Roc	ery Thickly Bedded,	Metamorphosed
6 20	630.5	+ 16.1		6:00/1.0 5:59/1.0							-			
630	-	+	5.0	6:04/1.0 5:50/1.0	(5.0) 100%	(3.7) 74%								
		‡		6:39/1.0 7:24/1.0							- -			
625	625.5	<u>+ 21.1</u> +	5.0	6:48/1.0 5:53/1.0	(4.7)	(4.3)					- _			
		ŧ		5:25/1.0 6:34/1.0	94%	86%					- -			
620	620.5	+ + 26.1		6:58/1.0 6:45/1.0							- - 620.5			26.1
020	-	ŧ									Boring Termina	ated at Elevation 6 Metamorpho	20.5 ft in Crystalline osed Rock	Rock: Gray
		‡									- - 1)		et are in METRIC	
615	-	ŧ									- 2) Advand	, ced a 2-15/16" tri-c	cone to a depth of 6.	6 feet.
		ŧ									- 4) Set NW	casing to 6.5 feet	below the existing of the below the existing of the between 6.6 to 2	round.
610		ŧ) Used swamp wat		.0 1661.
010	-	ŧ									_			
		‡									-			
605	-	‡									-			
		ŧ									- -			
600		‡									- -			
000	-	ŧ									-			
		ŧ									-			
595	-	ŧ									_			
		ŧ									-			
590		ŧ									-			
	-	ŧ									-			
		Ŧ									-			
585	-	Ŧ									-			
		Ŧ									-			
580		Ŧ									-			
	-	Ŧ									-			
		Ŧ									-			
575	-	Ŧ									-			
		Ŧ									-			
570		Ŧ									-			
	-	Ŧ									-			
		Ŧ									-			
565	-	Ŧ									-			
		Ŧ									-			
560		Ŧ									-			

	KOCK U	Core Photo		
Project No.: 34410.1.25	I.D. No.: R-2248E	County: Mecklenburg	Geologist: A. A. Nash	
Site Description: Bridge on	-Y22- (Mallard Creek Road)	over tributary to Stone C	reek	
Boring No.: B-37	Station:	Offset:	Alignment: -Y22-	
Total Depth: 26.1 feet	<i>Collar Elev.:</i> 646.6 ft	Start Date: 3/10/2010	Comp. Date: 3/10/2010	
Driller: Willie Duggins	Core Size: NQ	Drill M	achine: Diedrich D-50	
feet 0	0.5	1 1.5	2	
6.7 ft	11.1 ft	SOIL	15.5 ft	
feet 0	0.5			
		MA	R 12 201	

			ROCK C	ore Photo			
Project No.: 3441	0.1.25	I.D. No.:	R-2248E	County: Meck	lenburg	Geologist: A. A. Nash	
Site Description:	Bridge on	-Y22- (Mal	lard Creek Road)	over tributary to	Stone Cr	reek	
Boring No.: B-37		Station:		Offset:		Alignment: -Y22-	
Total Depth: 26.1	feet	Collar Ele	ev.: 646.6 ft	Start Date: 3/1	0/2010	Comp. Date: 3/10/2010	
Driller: Willie Du	ggins		Core Size: NQ	Dril		achine: Diedrich D-50	
feet	0	0.5	1	_	1.5	2	
1000							
21.1 ft	W Zan				R		
	V	RAN DEC		N.	12		
		Al		-			
		in an an the second					
		See we	No.		6	26.1ft	
		2 fel	S. A. F. A.		TO US A S		
		and the second		Pro Anglerian			
	Mich -	and and a second	- Trail - Contract	REAL PROPERTY	and the		
		it name the same the same the		The court	TH		

DRILLER Duggins, W. T. START DATE 03/08/10 COMP. DATE 03/09/10 SURFACE WATER DEPTH ELEV DEPTH (ft) BLOW COUNT (ft) BLOW SPER FOOT (ft) SAMP No. Gall SOIL AND ROCK D 650 0.5ft 0.5	GROUND WTR (ft) 0 HR. N/A 24 HR. N/A PE Automatic 1.2ft
COLLAR ELEV. 646.7 ft TOTAL DEPTH 35.8 ft NORTHING 180,017 EASTING 450,454 DRILL MACHINE Diedrich D-50 DRILL METHOD 2-15/16" tri-cone with rotary wash HAMMER TY DRILLER Duggins, W. T. START DATE 0.308/10 COMP. DATE 0.309/10 SURFACE WATER DEPTH ELEV DEPTH BLOW COUNT BLOWS PER FOOT NO. MOI G ELEV. (b) SOIL AND ROCK E 660	24 HR. N/A PE Automatic
DRILL MACHINE Diedrich D-50 DRILL METHOD 2-15/16" tri-cone with rotary wash HAMMER TY DRILLER Duggins, W. T. START DATE 03/08/10 COMP. DATE 03/09/10 SURFACE WATER DEPTH LEW PRIVE (II) DEPTH BLOWS PER FOOT SAMP. No. Mol G Lev. (n) SOIL AND ROCKE 660	PE Automatic
DRILLER Duggins, W. T. START DATE 03/08/10 COMP. DATE 03/09/10 SURFACE WATER DEPTH ELEV DEPTH (ft) BLOW COUNT (ft) BLOW COUNT 0.5ft 0.5ft 0.5ft<	
ELEW (ft) DEV/E (ft) DEV/E (ft) DEV/E (ft) DEV/E (ft) DEV/E (ft) DEV/E (ft) DEV/E (ft) SAMP (ft) SAMP (ft) Soll AND ROCK I (ft) 650 0.5ft 0.5ft 0.5ft 0.5ft 0.5ft 0 25 50 75 100 NO. MOI G ELEV. (ft) SOIL AND ROCK I GROUND SL 645 0.0	1.2ft
Lick ELEV O Soll AND ROCK E (ft) (ft) 0.5ft 0.5ft 0.5ft 0 25 50 75 100 NO MOI G ELEV. (ft) SOLLAND ROCK E 660 646.7 0.0 0.0 WOH WOH WOH GROUND SL SS-26 W V 646.7 GROUND SL SS-26 W D 644.1 Gay 8 Tan Way Stiff Tan S Gay 8 Tan Way Stiff Tan S Gay 8 Tan Way Stiff Tan S SS-26 W D 644.1 Gay 8 Tan Way Stiff Tan S Gay 7 Grav 100 a/s SS-28 W D 641.1 Gay 8 Tan Way Stiff Tan S Gay 7 Grav 100 a/s SS-28 No Gas 7 Grav 100 a/s Gas	
646 7 0.0 WOH WOH </th <th></th>	
644 6 2 8 12 8 12 8 12 8 12 8 12 Response 640 630.6 7.1 620 100.0 635.7 100.0 635.7 100.0 635.7 CRYSTALLIN 635 635.7 11.0 60.0 1000.0 635.7 CRYSTALLIN 635.7 CRYSTALLIN 630 635.7 11.0 60.0 635.7 CRYSTALLIN 635.7 CRYSTALLIN 625 635.7 100.0 635.7 CRYSTALLIN Close to Closely Fractur Close to Closely Fractur Close to Closely Fractur Thickly Bedded, Meta 626 615 615 610.9 610.9 610.9 610.9 610.9 610.9 610.9 610.9 610.9 610.9 610.9 10.0 teget 7.3 teget 7.3 teget	JRFACE 0.
640 639.6 7.1 38 62/0.3 	Fine Sandy Silty AY (A-7-6)
633 60/0	AL andy SILT (A-4) 5. D ROCK
625	sh to Very Slightly y Hard, Moderately red Spacing, Very
620	morphosed Rock RQD =51%
615	
610	
605 - 1) Station and offset - 2) Advanced a 2-15/16" tr - 3) Set HW casing to 3 - existing gro	
- 3) Set HW casing to 3	t are in METRIC ri-cone to a depth of
600 + existing gr 5) Advanced a NQ2 core to 35.8 fc	9.5 feet below the ound. 3.0 feet below the ound. barrel between 11.0 eet.
595	r as drilling fluid.

		O. 344				R-224	-				UNTY Mecklenburg	GEOLOGIST Nash, A. A.			
SITE	DESCR	RIPTION	Bric	dge on -Y	22- (M	allard	Creek Ro	oad) o	ver tril	outar	y to Stone Creek	1	GROUND WTR (ft)		
BOR	NG NO	. B-38			STA	TION	16+80			OF	FSET 9 ft RT	ALIGNMENT -Y22-	0 HR. N/A		
COLL	AR EL	EV . 64	46.7 ft		тот	AL DE	PTH 35.	.8 ft		NORTHING 180,017 EASTING 450,454 24 HR.					
		HINE [DRIL	L MET	HOD 2-	-15/16	" tri-co		vith rotary wash	HAMMER TYPE Automatic			
		Duggins	, W. T				TE 03/0			COMP. DATE 03/09/10 SURFACE WATER DEPTH 1.2ft					
COR	E SIZE	NQ			тот	AL RU	N 24.8 f	t REC. (ft) %							
ELEV (ft)	RUN ELEV	DEPTH (ft)	RUN (ft)	DRILL RATE	REC. (ft)	JN RQD (ft) %	SAMP. NO.	REC.	RQD			DESCRIPTION AND REMARKS			
	(ft)	(11)	(11)	(Min/ft)	%	%	NO.	%	%	G	ELEV. (ft)		DEPTH (ft)		
635.7 635	635.7	11.0	4.8	5:51/1.0	(4.6)	(2.1)	SS-29			R	- 635.7	Begin Coring @ 11.0 ft CRYSTALLINE ROCK	11.0		
		ŧ		5:51/1.0 5:51/1.0 <i>N=60/0</i> 6:20/1.0 5:19/1.0 5:47/1.0	96%	44%					- Gray to Dark Gray - Moderately Close	, Fresh to Very Slightly Weathered, Ha e to Closely Fractured Spacing, Very T	rd to Very Hard, hickly Bedded,		
630	630.9	15.8		5:19/1.0							- ,	Metamorphosed Rock			
030	-	‡	5.0		(4.7) 94%	(2.7) 54%					-				
	625.0	‡		4:38/1.0 7:50/1.0 7:51/1.0 9:20/1.0 13:38/1.0							-				
625	625.9	20.8	5.0	<u>13:38/1.0</u> 8:44/1.0 5:50/1.0	(4.0)	(4.0)					-				
		‡		5:38/1.0	96%	80%					-				
620	620.9	25.8	5.0	6:48/1.0 6:12/1.0 7:31/1.0	(5.0)	(0.4)					-				
<u></u>	-	ŧ	5.0	7:38/1.0 7:02/1.0	100%	8%					-				
	615.9	+ 		5:58/1.0 5:02/1.0							-				
615	-	+	5.0	4:38/1.0 4:16/1.0	(4.8) 96%	(3.5) 70%					-				
		Ŧ		4:02/1.0 5:26/1.0	3070	1070				R	-				
610	610.9	35.8		5:04/1.0							610.9 Boring Termin:	ated at Elevation 610.9 ft in Crystalline	35.8 Rock: Grav		
	-	Ŧ										Metamorphosed Rock			
		Ŧ) Station and offset are in METRIC ced a 2-15/16" tri-cone to a depth of 11	0 feet		
605	-	Ŧ									- 3) Set HW	v casing to 3.5 feet below the existing casing to 13.0 feet below the existing	ground.		
		Ŧ									- 5) Advance	ed a NQ2 core barrel between 11.0 to 3 b) Used swamp water as drilling fluid.	35.8 feet.		
600	_	ŧ										b) Osed swamp water as drining huid.			
		Ŧ									-				
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595	-	ŧ									-				
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575		ŧ									-				
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570	-	Ŧ									-				
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Rook			
I.D. No.: R-2248E	County: Mecklen	burg <i>Geologist:</i> A.	A. Nash
-Y22- (Mallard Creek Road) over tributary to St	one Creek	
Station:	Offset:	Alignment: -Y2	22-
Collar Elev.: 646.7 ft	Start Date: 3/8/20	10 <i>Comp. Date:</i> 3/	/9/2010
Core Size: NQ		Drill Machine: Diedrie	ch D-50
0.5	1 1.5		
15.8 ft		20.8 ft	
0.5			
		MAR 12 80	
	I.D. No.: R-2248E -Y22- (Mallard Creek Road Station: Collar Elev.: 646.7 ft Core Size: NQ 0.5 15.8 ft	-Y22- (Mallard Creek Road) over tributary to St Station: Offset: Collar Elev.: 646.7 ft Start Date: 3/8/20 Core Size: NQ E 0.5 1 1.5 0.5 1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	I.D. No.: R-2248E County: Mecklenburg Geologist: A. -Y22- (Mallard Creek Road) over tributary to Stone Creek Station: Offset: Alignment: -Y2 Collar Elev.: 646.7 ft Start Date: 3/8/2010 Comp. Date: 3 Core Size: NQ Drill Machine: Diedri 0.5 1 1.5 2 Offset: Alignment: -Y2 Collar Elev.: 646.7 ft Start Date: 3/8/2010 Comp. Date: 3 0.5 1 1.5 2 Offset: 0.5 1 1.5 2 0.5 1 1.5 2 0.5 1 1.5 2 0.5 1 1.5 2 0.5 1 1.5 2 0.5 1 1.5 2 Offset:

	ROCK C	ore Photo		
Project No.: 34410.1.25	I.D. No.: R-2248E	County: Mecklenburg	Geologist: A. A. Nash	
Site Description: Bridge on	-Y22- (Mallard Creek Road)	over tributary to Stone C	reek	
Boring No.: B-38	Station:	Offset:	Alignment: -Y22-	
Total Depth: 35.8 feet	Collar Elev.: 646.7 ft	Start Date: 3/8/2010	Comp. Date: 3/9/2010	
Driller: Willie Duggins	Core Size: NQ	Drill M	achine: Diedrich D-50	
feet 0	0.5 1	1.5	2	
30.8 ft				
		MAR	35.8 ft	