

GEOS Project No: 41-15412

Boring: Location A

PIEZOMETER DETAILS

<u>Depth</u>	<u>Description</u>
+3.3'	Top of Steel Well Cover
+3.0'	Top of 2" PVC Piezometer (top of riser pipe with well cap)
+0.3'	Top of 6" Steel Casing (covered by sloped concrete apron)
0.0'	Ground Surface
-96.7'	Top of Bentonite Seal
-105.0'	Bottom of 6" Steel Casing
-105.2'	Bottom of Bentonite Seal, Top of Sand Filter Pack
-110.0'	Top of Screen
-115.0'	Bottom of Screen
-115.25'	Bottom of Piezometer, Sand Filter Pack (3" bottom cap below screen)
-120.0'	Bottom of Hole – Filled with small rock fragments to -115.25'



L	LOG OF BORING								
	SHEET 1 OF	6							
DRILLER	T. Bra	zier							
N-SITE REP.	T. Wo								

BORING NO. / LOCAT	ION				DRY ON COMPLETION ? No					
DATE Au	ugust 20 - 26, 2	2015	SURF	ACE ELEV.		FT.	_			WATER LEVEL DATA (IF APPLICABLE)
REFUSAL:	Yes	DEPTH 97.6	FT.	ELEV.	-97.60	FT.				COMPLETION: DEPTH 81.8 FT.
SAMPLED	95.7 FT.	29.2	M	_		_				ELEV. <u>-81.80</u> FT.
TOP OF ROCK		DEPTH 95.7	FT.	ELEV.	-95.70	FT.				
BEGAN CORING		DEPTH 97.6	FT.	ELEV.	-97.60	FT.				AFTER 24 HRS. DEPTHFT.
FOOTAGE CORED (L	.F)		FT.			_				ELEVFT.
BOTTOM OF HOLE D	DEPTH	120.0	FT.	ELEV.	-120.00	FT.				
BORING ADVANCED	BY:		POWER /	AUGERING		_	,	WASH	BORING	GX
STRATUM	SAMPL	LE DEPTH	SAMPLE		FIELD		LABOR	ATORY		
DEPTH	FROM	то	OR	SAMPLE	RESULTS	<u>; </u>	RES	SULTS		STRATUM DESCRIPTION
FT. ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%М	
<u>-</u>	0.0	2.0	1	SS	23					Topsoil (2 inches) Fat CLAY (CH) with sand, chert fragments, trace organics - brown; moist; stiff (FILL)
2.5 – -2.5	2.0	4.0	2	SS	28					Lean CLAY (CL) with sand, chert fragments - reddish-brown and yellowish-brown; slightly moist; very stiff (FILL)
- - 5.05.0	4.0	6.0	3	SS	28				 - 	Lean CLAY (CL) with trace sand, chert fragments - reddish-brown, red, and yellowish-brown; moist; very stiff to hard (RESIDUUM)
— — — 7.5 — -7.5	6.0	8.0	4	SS	41*					
 - -	8.0	10.0	5	SS	36 [*]					Fat CLAY (CH) with sand, chert fragments - reddish-brown, yellow, and gray; moist; hard - (RESIDUUM)
10.0 — -10.0 — — —	10.0	12.0	6	SS	14					Fat CLAY (CH) with trace sand - red and yellowish-brown; moist; stiff (RESIDUUM)
12.5 — -12.5 — — —	12.0	14.0	7	SS	28					Fat CLAY (CH) with sand lenses, chert fragments - red, yellowish-red, and gray; moist; very stiff to stiff (RESIDUUM)
15.0 — -15.0 —	14.0	16.0	8	SS	13					
- - 17.517.5 -	16.0	18.0	9	SS	26					 Fat CLAY (CH) with trace sand - reddish-brown, yellowish-brown, and gray; moist; stiff to very stiff (RESIDUUM)
- - -	18.0	20.0	10	SS	12					SILT (ML) - light brown and gray; moist to very moist; stiff (RESIDUUM)
20.0 — -20.0	** ** ** * * * * * * * * * * * * * * * *			15-15-5-	Su - 41			<u> </u>		
REMARKS:	^inflated blo	w count due to	o encounterin∕	.a a hiah cc	ncentration	of roc	k fragm	nents v	vithin t	the test interval.



L	LOG OF BORING								
	SHEET 2 OF	6							
DRILLER	T. Bra	zier							
N-SITE REP.	T. Wo								

BORING NO. / LOCA	TION			A				- Di	RY ON (COMPLETION ? No No
DATE A	ugust 20 - 26,	2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)
REFUSAL:	Yes	DEPTH 97.6	FT.	ELEV.	-97.60	FT.				COMPLETION: DEPTH 81.8 FT.
SAMPLED	95.7 FT.	29.2		•		•				ELEV81.80 FT.
TOP OF ROCK		DEPTH 95.7	•	ELEV.	-95.70	FT.				
BEGAN CORING		DEPTH 97.6		ELEV.		FT.				AFTER 24 HRS. DEPTH FT.
FOOTAGE CORED (L			FT.			•				ELEV. FT.
BOTTOM OF HOLE	•	120.0		ELEV.	-120.00	FT				
		120.0	•	-	120.00	• • • •				
BORING ADVANCED	BY:	•	POWER /	AUGERING		•		WASH	BORING	SX
STRATUM	SAMPI	LE DEPTH	SAMPLE		FIELD		LABORATORY			
DEPTH	FROM	то	OR	SAMPLE	RESULTS		RE	SULTS		STRATUM DESCRIPTION
FT. ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%M	
_									l I.	(Continued)
_	20.0	22.0	11	SS	9					_
_									.	- SILT (ML) - light brown and gray; moist to very
_									-	moist; stiff (RESIDUUM)
22.5 – -22.5	00.0	24.0	40	00	40				-	-
<u> </u>	22.0	24.0	12	SS	13				-	
_									-	 Fat CLAY (CH) with sand, sand lenses -
_										 yellowish-brown and light brown; moist; stiff
_	24.0	26.0	13	ss	15				-	- (RESIDUUM)
25.0 — -25.0	24.0	20.0	10						 	Clayey SAND (SC) with chert - yellowish-brown;
_									l l	wet; medium dense (RESIDUUM)
_									F	
_	26.0	28.0	14	SS	27*				l l'	- Lean CLAY (CL) with sand, chert fragments -
- 07.5										— yellowish-brown and reddish-brown; moist with
27.5 – -27.5										wet zone at 26.5' to 27.0'; very stiff (RESIDUUM)
_										
_	28.0	30.0	15	SS	9					
_										
30.0 — -30.0										Fat CLAY (CH) with sand, chert fragments -
_									l I.	yellowish-brown to brown; moist to very moist;
_	30.0	32.0	16	SS	11					stiff (RESIDUUM)
_									.	_
_										_
32.5 – -32.5		0.10							-	
_	32.0	34.0	17	SS	12				-	_
_									-	CU T (881) with along about pages to 411. Simbs
_										SILT (ML) with clay, chert zones to 4" - light yellowish-brown; moist; stiff to very stiff
_	34.0	36.0	18	SS	20				-	(RESIDUUM)
35.0 -35.0	34.0	36.0	10	33	20				 -	
_									-	_
_										Lean CLAY (CL) with sand, chert - yellow-brown
_	36.0	38.0	19	ss	15				-	and gray; wet; stiff (RESIDUUM)
	00.0	00.0	.0						F	3 1 3 1,7 1 1, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
37.5 – -37.5										_
_										 Fat CLAY (CH) with sand, chert fragments -
_	38.0	40.0	20	SS	13					 yellowish-brown and reddish-brown; moist to very moist; stiff (RESIDUUM)
_										— Very moist, still (RESIDOOM)
40.0 — -40.0										_
40.0 — -40.0		-							•	
REMARKS:	: *Inflated blo	ow count due to	o encounterin	ng a high co	entration o	of roc	k fragn	nents v	within th	ne test interval.



L	OG OF BORING	Α	
	SHEET 3 OF	6	
DRILLER	T. Bra	zier	
I-SITE REP.	T. Wo	ods	

BURING NO. / LUCA	TION			А				- -	KT ON	COMPLETION ? NO			
DATE A	ugust 20 - 26,	2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)			
REFUSAL:	Yes	DEPTH 97.6	FT.	ELEV.	-97.60	FT.				COMPLETION: DEPTH 81.8 FT.			
SAMPLED	95.7 FT.	29.2	-	•		_				ELEV81.80 FT.			
TOP OF ROCK		DEPTH 95.7	FT.	ELEV.	-95.70	FT.							
BEGAN CORING		DEPTH 97.6	FT.	ELEV.	-97.60	FT.				AFTER 24 HRS. DEPTHFT.			
FOOTAGE CORED (LF)		FT.	•		_				ELEV. FT.			
BOTTOM OF HOLE	-	120.0	-	ELEV.	-120.00	FT.							
BORING ADVANCED	BY:		POWER	AUGERING		_		WASH	BORING	- L			
STRATUM	1	LE DEPTH	SAMPLE	I I	FIELD	_	LABOR						
DEPTH	FROM	то	OR	SAMPLE	RESULTS	:		SULTS		STRATUM DESCRIPTION			
FT. ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%М	OTRATOM DECORM TION			
11. LLLV.		11.	KON NO.	11172	14-Value	Qρ			/01VI	Fat CLAY (CH) with sand, chert fragments -			
_	40.0	41.2	21	SS	60/8"*				-	yellowish-brown and reddish-brown; moist to very moist; stiff (RESIDUUM)			
_													
42.5 – -42.5										_			
										_			
_										- CHERT - hard (RESIDUUM)			
_										_			
_	44.0	44.4	22	00	50/5"*					_			
45.0 — -45.0	44.0	44.4	22	SS	30/3					-			
_													
_										_			
_	46.0	48.0	23	SS	21					_			
47.5 – -47.5										CHERT with minor clay - light yellowish-brown;			
47.5 = -47.5										moist, but wet at 48.5'; very stiff to hard			
_										(RESIDUUM)			
_	48.0	50.0	24	SS	62*					_			
_										_			
50.0 — -50.0													
_	50.0	52.0	25	SS	11					_			
_	00.0	32.0	25		•••					-			
_										_			
										Lean to Fat CLAY (CL-CH) with sand and chert			
52.5 – -52.5	52.0	54.0	26	SS	10					 fragments - red and reddish-brown; very moist to wet; stiff (RESIDUUM) 			
_													
_										_			
_										_			
55.0 — -55.0	54.0	56.0	27	SS	12				-				
_										-			
_									F	 Sandy SILT (ML) with steeply dipping fat clay 			
_	56.0	58.0	28	ss	21					- seams - light yellowish-brown; very moist; stiff to			
										very stiff (RESIDUUM)			
57.5 – -57.5										_			
_						1				- Lean to Fat CLAY (CL-CH) with sand,			
_ 	58.0	60.0	29	SS	9		l			 Lean to Fat CLAY (CL-CH) with sand, sandstone fragments - brown with minor gray; 			
_									[very moist; stiff (RESIDUUM)			
60.0 — -60.0						1				, , ,			
	. *1414					- (and the Colombia			
REMARKS	: "Inflated bl	ow count due t	o encounterir	ng a high co	ncentration	of roc	k tragn	nents v	within t	ne test interval.			



BORING NO. / LOCATION

Summit Landfill Piezometer Installation Chattanooga, TN

GEOServices Project No.: 41-15412

Α

n	L	OG OF BORING	Α
		SHEET 4 OF	6
	DRILLER	T. Bra	zier
	ON-SITE REP.	T. Wo	ods
DRY ON COMPLETION ?		No	

DATE	August 20 - 26	5, 2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)
REFUSAL:	Yes	DEPTH 97.6	FT.	ELEV.	-97.60	FT.				COMPLETION: DEPTH 81.8 FT.
SAMPLED	95.7 FT.	29.2	M							ELEV. <u>-81.80</u> FT.
TOP OF ROCK		DEPTH 95.7	FT.	ELEV.	-95.70	FT.				
BEGAN CORING		DEPTH 97.6	FT.	ELEV.	-97.60	FT.				AFTER 24 HRS. DEPTH FT.
FOOTAGE CORE	D (LF)		FT.							ELEVFT.
BOTTOM OF HOL	E DEPTH	120.0	FT.	ELEV.	-120.00	FT.				
BORING ADVANC	CED BY:		POWER A	AUGERING		_	,	WASH	BORING	x
STRATUM	SAM	PLE DEPTH	SAMPLE		FIELD		LABOR	ATORY		
DEPTH	FROM	то	OR	SAMPLE	RESULTS		RESULTS STRATUM DESCRIPTION		STRATUM DESCRIPTION	
FT. ELE	V. FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%М	
- - -	60.0	62.0	30	SS	17				- - -	(Continued)Lean to Fat CLAY (CL-CH) with sand, sandstone fragments - brown with minor gray; very moist; stiff (RESIDUUM)
62.562	62.0	64.0	31	SS	40*				- - -	- - -
- 65.0 — -65 -	.0 64.0	66.0	32	SS	20				- - -	Sandy SILT (ML) with occasional thin (<2") chert layers - light brown; very moist to wet (chert layers); hard to stiff (RESIDUUM)
- - 67.567	66.0	68.0	33	SS	19				-	- - - -
- - -	68.0	70.0	34	SS	12				 - -	
70.0 — -70 — —	70.0	72.0	35	SS	12				- - - -	Lean CLAY (CL) with sand, chert, thin light brown layers (<4"), relict structures - light brown
72.5 — -72 — —	.5 72.0	74.0	36	SS	9				- - - -	to reddish-brown; very moist to wet; stiff (RESIDUUM)
75.0 — -75	.0 74.0	76.0	37	SS	9				- - -	
- - - 77.577	76.0	78.0	38	SS	18				- - - -	Sandy SILT (ML) with clay zones, chert, few highly weathered dolomite fragments - light brown and reddish-brown with minor black;very moist to wet; stiff to very stiff; (RESIDUUM)
- - 80.080	78.0	80.0	39	SS	22				-	Fat CLAY (CH) with trace sand, chert, relict structures - reddish-brown; moist to very moist; very stiff (RESIDUUM)
		low count due t	o encountarin	ng a high co	oncentration (of roc	k fragm	nente i	within th	



L	LOG OF BORING								
	SHEET 5 OF	6							
DRILLER	T. Bra	zier							
ON-SITE REP.	T. Wo	ods							

BURING NO. / LUCA	TION			А				- 0	K I ON	COMPLETION ? NO
DATE A	ugust 20 - 26	, 2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)
REFUSAL:	Yes	DEPTH 97.6	FT.	ELEV.	-97.60	FT.				COMPLETION: DEPTH 81.8 FT.
SAMPLED	95.7 FT.	29.2	M							ELEV81.80 FT.
TOP OF ROCK		DEPTH 95.7	FT.	ELEV.	-95.70	FT.				
BEGAN CORING		DEPTH 97.6	FT.	ELEV.	-97.60	FT.				AFTER 24 HRS. DEPTH FT.
FOOTAGE CORED (LF)		FT.							ELEV. FT.
BOTTOM OF HOLE	DEPTH	120.0	FT.	ELEV.	-120.00	FT.				
BORING ADVANCED	BY:		POWER	AUGERING				WASH	BORING	S X
STRATUM	SAME	PLE DEPTH	SAMPLE		FIELD	_	LABOR	ATORY		
DEPTH	FROM	то	OR	SAMPLE	RESULTS	3		SULTS		STRATUM DESCRIPTION
FT. ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%М	
										(Continued)
	80.0	82.0	40	SS	29					
_										_
_									-	_
82.5 – -82.5										-
_									F	_
_										_
_										Fat CLAY (CH) with trace sand, chert, relict
85.0 	84.0	86.0	41	SS	24				Ľ	structures - reddish-brown; moist to very moist;
-										very stiff (RESIDUUM)
_										_
_	00.0	00.0	40	00	00					_
_	86.0	88.0	42	SS	23				-	_
87.5 – -87.5										_
_										_
_	88.0	90.0	43	SS	25					_
										_
90.0 — -90.0										_
_										-
_	90.0	92.0	44	SS	12				l ⊦	Lean CLAY (CL) with sand, silt layers to 6", chert fragments, relict structures - brown with minor
_										black; very moist; very stiff to stiff (RESIDUUM)
_									l ⊦	
92.5 – -92.5	92.0	94.0	45	SS	18					_
_										-
_										_
_										Fat CLAY (CH) with few weathered dolomite,
95.0 — -95.0	94.0	95.7	46	SS	9				-	_ chert fragments - reddish-brown and gray; very moist; stiff (RESIDUUM)
_										- (RESIDOUM)
_									l ⊦	
_										Weathered sandy DOLOMITE
— 07.5										-
97.597.5										Auger Refusal, Began Coring at 97.6 feet
_										 DOLOMITE, sandy, medium to coarse grained,
_										 hard, light gray, with dark chert bands, trace
_										 pyrite, bedding dips at 15°
100.0 — -100.0			<u> </u>	<u> </u>						
REMARKS	· Augered w	reathered dolor	nite from 95 7	7' to auger i	efusal at 07	6'				



GEOServices Project No.: 41-15412

L	OG OF BORING		Α	
	SHEET 6 OF	6		
DRILLER	T. Bra	zier		
N-SITE REP.	T. Wo	ods	•	

DATE August 20 - 26, 2015 SURFACE ELEV. FT. WATER LEVEL DATA (IF APPLICABLE) REFUSAL: Yes DEPTH 97.6 FT. ELEV. -97.60 FT. COMPLETION: DEPTH 81.8 FT. SAMPLED 95.7 FT. ELEV. -95.70 FT. TOP OF ROCK DEPTH 95.7 FT. ELEV. -95.70 FT.	BORING NO. / LOCATI	ION			Α				DI	RY ON	I COMPLETION ? No
Note		-							•	(1 01	
SAMPLE	DATE Aug		_		ACE ELEV.		FT.				
The process	REFUSAL:	Yes D	EPTH 97.6	FT.	ELEV.	-97.60	FT.				COMPLETION: DEPTH 81.8 FT.
DEGAN COPING DEPTH 07.6 FT. ELEV. 07.60 FT. SAMPLE DEPTH 12.00 FT. ELEV. -120.00 FT. SAMPLE DEPTH DEPTH DEPTH DEPTH FT. SAMPLE DEPTH DEPT	SAMPLED	95.7 FT.	29.2	М							ELEV. <u>-81.80</u> FT.
FOOT	TOP OF ROCK	D	EPTH 95.7	FT.	ELEV.	-95.70	FT.				
FOOT	BEGAN CORING	D	EPTH 97.6	FT.	ELEV.	-97.60	FT.				AFTER 24 HRS. DEPTH FT.
SOUTH CHARLE DEPTH					-		_				
SORING ADVANCED BY: POWER AUGERING X SAMPLE DEPTH FROM TO OR NAMPLE RESULTS RESULTS RESULTS STRATUM DESCRIPTION					FI FV	-120.00	FT				
STRATUM SAMPLE DEPTH FROM TO OR SAMPLE FROM TO OR SAMPLE TYPE Name Type SAMPLE Type Type SAMPLE Type T	BOTTOW OF HOLE BI	L	120.0		-		-' ''				
PROM TO OR SAMPLE RESULTS RESULTS STRATUM DESCRIPTION	BORING ADVANCED E	BY:		POWER /	AUGERING		_	,	WASHI	BORIN	NG X
Figure F	STRATUM	SAMPLE	DEPTH	SAMPLE		FIELD		LABOR	ATORY		
Figure F	DEPTH	FROM	то	OR	SAMPLE	RESULTS		RES	SULTS		STRATUM DESCRIPTION
Continued Continued DoLoMITE, and y, medium to coarse-grained, hard, light gray, with dark chert bands, trace pyrite, bedding dips at 15°	0.0				I					%М	
DOLOMITE, sandy, medium to coarse-grained, hard, light gray, with dark chert bands, trace pyrite, bedding dips at 15° 102.5102.5	111 2224.			NON NO.	1	N Value	۳۶			70141	(Continued)
102.5 102.5	_										I
102.5102.5105.0105.0105.0105.0107.5107.5	_										
102.5102.5102.5105.0105.0105.0107.5107.5107.5107.5110.0110	_										
Fat CLAY (CH) with sand, chert and dolomite	102.5102.5										-
Fat CLAY (CH) with sand, chert and dolomite	_										<u> </u>
Fat CLAY (CH) with sand, chert and dolomite	_										-
Fat CLAY (CH) with sand, chert and dolomite	_										<u> </u>
Fat CLAY (CH) with sand, chert and dolomite	-										-
- 107.5	105.0 — -105.0										
- 107.51	_										<u> </u>
107.5107	_										
107.5107	_										
110.0 — -110.0											with minor gray; very moist to wet; stiff
	107.5107.5										-
	_										
	_										-
	_										
											_
Fat CLAY (CH) and DOLOMITE, interbedded	110.0 — -110.0										
Fat CLAY (CH) and DOLOMITE, interbedded	_										_
Fat CLAY (CH) and DOLOMITE, interbedded	_										
Fat CLAY (CH) and DOLOMITE, interbedded	_										_
Fat CLAY (CH) and DOLOMITE, interbedded											
115.0 — -115.0	112.5112.5										-
115.0 — -115.0	_										Γ
115.0 — -115.0	_										-
Table 117.5117.5 DOLOMITE and CHERT Fat CLAY (CH) with chert and dolomite fragments DOLOMITE and CHERT DOLOMITE and CHERT	_										Fat CLAY (CH) and DOLOMITE, interbedded
Table 117.5117.5 DOLOMITE and CHERT Fat CLAY (CH) with chert and dolomite fragments DOLOMITE and CHERT DOLOMITE and CHERT	445.0										-
Fat CLAY (CH) with chert and dolomite fragments - DOLOMITE and CHERT - DOLOMITE and CHERT	115.0 — -115.0										Γ
Fat CLAY (CH) with chert and dolomite fragments - DOLOMITE and CHERT - DOLOMITE and CHERT	_										-
Fat CLAY (CH) with chert and dolomite fragments - DOLOMITE and CHERT - DOLOMITE and CHERT	_										Γ
Fat CLAY (CH) with chert and dolomite fragments - DOLOMITE and CHERT - DOLOMITE and CHERT	_										-
Fat CLAY (CH) with chert and dolomite fragments - DOLOMITE and CHERT - DOLOMITE and CHERT	1175 - 1175										
	-117.5										
	_										_ Fat CLAY (CH) with chert and dolomite
120.0 — -120.0	_ <u> </u>										fragments
120.0 — -120.0	<u> </u>										- DOLOMITE and CHERT
Boring Terminated at 120 feet	120.0 — -120.0										
	120.0										Boring Terminated at 120 feet

REMARKS: NX core from 97.6' to 110.6', 117.5 to 120.0'; Hole advanced with casing advancer 110.6' to 117.5'. Core bit completely worn away during coring from 117.5' to 120.0', no sample recovery, interval logged by observation of drill action.



GEOS Project No: 41-15412

Boring: Location A

<u>Pull</u>	Run	<u>Depth</u>	Recovery	<u>RQD</u>
1	3.0'	97.6'-100.6'	100%	100%
2	2.1'	100.6'-102.7'	19%	14%
3	2.9'	102.7'-105.6'	0%	0%
4	5.0'	105.6'-110.6'	0%	0%
5	2.5'	117.5'-120.0'	0%	0%

<u>Depth</u>	Description
97.6'	Bedding break, highly weathered, very rough
97.6'	Joint, 80°, highly weathered, very rough
97.6'-99.0'	Joint, vertical, healed, minor separation, irregular
99.0'	Stylolite, near horizontal, slightly weathered
99.4'	Bedding break, fresh, slightly undulating to smooth
99.4'	Joint, 50°, fresh, slightly rough
100.6'	Mechanical break
100.9'	Bedding break, slightly weathered to weathered, slightly rough
100.9'	Joint, 45°, slightly weathered to weathered, slightly rough
100.9'	End of Core Recovery



GEOS Project No: 41-15412

Boring: Location B

PIEZOMETER DETAILS

<u>Depth</u>	<u>Description</u>
+3.3'	Top of Steel Well Cover
+3.0'	Top of 2" PVC Piezometer (top of riser pipe with well cap)
0.0'	Ground Surface, Top of 6" Steel Casing
-93.6'	Top of Bentonite Seal
-100.3'	Bottom of Bentonite Seal, Top of Sand Filter Pack
-102.25'	Bottom of 6" Steel Casing
-103.9'	Top of Screen
-118.9'	Bottom of Screen
-119.15'	Bottom of Piezometer (3" bottom cap below screen)
-120.5'	Bottom of Hole – Bottom of Sand



L	OG OF BORING		В	
	SHEET 1 OF	6		
DRILLER	T. Bra	zier		
N-SITE REP.	T. Wo	ods	•	

											_
BORING NO. / LOCAT	TION			В				DI	RY ON	COMPLETION ? No	
DATE August	28 - Septembe	er 1, 2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)	_
REFUSAL:		DEPTH 100.7			-100.70	FT.				COMPLETION: DEPTH 77.2 FT.	
SAMPLED	96.2 FT.	29.3		•		_				ELEV. FT.	
TOP OF ROCK		DEPTH 96.2	FT.	ELEV.	-96.20	FT.					
BEGAN CORING	I	DEPTH 100.7	FT.	ELEV.	-100.70	FT.				AFTER 24 HRS. DEPTH FT.	
FOOTAGE CORED (L	F)		FT.	•		_				ELEV. FT.	
BOTTOM OF HOLE D	DEPTH	119.7	FT.	ELEV.	-119.70	FT.					
BORING ADVANCED	BY:		POWER	AUGERING		_	,	WASH	BORIN	NG X	_
STRATUM	SAMPL	E DEPTH	SAMPLE		FIELD		LABOR	ATORY			_
DEPTH	FROM	то	OR	SAMPLE	RESULTS		RES	SULTS		STRATUM DESCRIPTION	
FT. ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%М		
_	0.0	2.0	1	SS	23					_	
_										Г	
_										Lean CLAY (CL), sandy with limestone and che	rt
2.5 – -2.5					4					- fragments, trace organics - reddish-brown; dry to	
_	2.0	4.0	2	SS	48*					slightly moist; very stiff to hard (FILL)	
_										-	
-										 -	
-	4.0	6.0	3	SS	35*					-	
5.0 — -5.0											_
_											
_										Fat CLAY (CH), with sand, chert fragments -	
_	6.0	8.0	4	SS	26					yellowish-red; slightly moist; hard to very stiff	
7.5 – -7.5										(FILL)	
_										 -	
_	8.0	10.0	5	SS	18						_
_	0.0	10.0	3	00	10					 -	
										-	
10.0 — -10.0										Γ	
_	10.0	12.0	6	SS	22					L	
_										_	
_										_	
12.5 – -12.5	12.0	14.0	7	00	22					-	
_	12.0	14.0	7	SS	22					 -	
_										Fat CLAY (CH), with trace sand, chert fragment	s
_										- reddish-brown and gray; slightly moist; very sti	
-	14.0	16.0	8	SS	13					to stiff (RESIDUUM)	
15.0 — -15.0											
_											
_										-	
_	16.0	18.0	9	SS	26					 	
17.517.5										-	
_										-	
-	18.0	20.0	10	SS	16					-	
_											
20.020.0										_	
						· <u> </u>			· <u> </u>		
REMARKS:	*Inflated blo	w count due to	o encounterir	ig a high co	oncentration	of roc	k fragn	nents v	within	the test interval.	

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L	OG OF BORING		В	
	SHEET 2 OF	6		
DRILLER	T. Bra	zier		
ON-SITE REP.	T. Wo	ods		

										ON-SITE INET: 1. WOODS
BORING NO. / LOCA	TION			В				DI	RY ON	I COMPLETION ? No
DATE Augus	t 28 - Septem	ber 1, 2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)
REFUSAL:	Yes	DEPTH 100.7	FT.	ELEV.	-100.70	FT.				COMPLETION: DEPTH 77.2 FT.
SAMPLED	96.2 FT.	29.3	•	-		-				ELEV. FT.
TOP OF ROCK		DEPTH 96.2	•	ELEV.	-96.20	FT.				
BEGAN CORING		DEPTH 100.7	•	ELEV.		FT.				AFTER 24 HRS. DEPTH FT.
FOOTAGE CORED (IF)	<u> </u>	FT.			-				ELEV. FT.
BOTTOM OF HOLE	•	119.7		ELEV.	-119.70	FT.				
BORING ADVANCED	BY:		•	- AUGERING		-		WASH	BORIN	IG X
STRATUM	SAME	LE DEPTH	SAMPLE	l i	FIELD	_	LABOR	ATORY		
DEPTH	FROM	то	OR	SAMPLE	RESULTS			SULTS		STRATUM DESCRIPTION
FT. ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%М	STRATOM DESCRIPTION
FI. ELEV.	F1.	FI.	KON NO.	TIPE	iv-value	ųρ		FI	/01VI	
_	20.0	22.0	11	SS	13					-
_										
_										Lean to Fat CLAY (CL-CH) with trace sand,
22.5 – -22.5										occasional chert fragments - reddish-brown;
	22.0	24.0	12	SS	20					moist; stiff to very stiff (RESIDUUM)
_										_
_										_
_										
25.0 — -25.0	24.0	26.0	13	SS	14					 -
_										_
-										 -
-	26.0	28.0	14	SS	36*					-
_	20.0	20.0	'-	00	30					Fat CLAY (CH) with trace sand, chert fragments
27.5 – -27.5										and zones to 9" - yellowish-brown and reddish-
_										brown with maroon layers; moist; stiff to hard
_	28.0	30.0	15	SS	18					- (RESIDUUM)
<u> </u>										
30.0 — -30.0										
_										_
_	30.0	32.0	16	SS	18					_
_										
_										-
32.5 – -32.5	32.0	34.0	17	SS	24					 -
_	32.0	34.0	17	33	24					-
-										 Fat CLAY (CH) with sand, chert fragments -
_										reddish-brown; moist with trace free water in
_	34.0	36.0	18	SS	19					chert-rich zones; very stiff (RESIDUUM)
35.0 — -35.0										<u> </u>
_										 -
_										
_	36.0	38.0	19	SS	22					
37.5 – -37.5										_
_										Fat CLAY (CH) with trace sand, chert fragments
_										yellowish-brown; very m oi st; very stiff
—	38.0	40.0	20	SS	24					(RESIDUUM)
_										-
40.0 — -40.0	<u> </u>]]		<u>l</u>
REMARKS	· *Inflated bl	ow count due t	n encounterin	a hiah co	ncentration	of roc	k fragn	nente v	within	the test interval.
ILIVIAINIO	a.cu Di	on count due l	o onoounter!!	y a myn co		51100	, nagn	ionio I	visi III l	and tool mitor var.



L	OG OF BORING		В	
	SHEET 3 OF	6		
DRILLER	T. Bra	zier		
N-SITE REP.	T. Wo	ods		

BORING NO. / LOCAT	TION			В				D	RY ON	COMPLETION ? No
DATE August	28 - Septemb	per 1, 2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)
REFUSAL:	Yes	DEPTH 100.7	FT.	ELEV.	-100.70	FT.				COMPLETION: DEPTH 77.2 FT.
SAMPLED	96.2 FT.	29.3	М							ELEVFT.
TOP OF ROCK		DEPTH 96.2	FT.	ELEV.	-96.20	FT.				
BEGAN CORING		DEPTH 100.7	FT.	ELEV.	-100.70	FT.				AFTER 24 HRS. DEPTHFT.
FOOTAGE CORED (L	_F)		FT.							ELEVFT.
BOTTOM OF HOLE [DEPTH	119.7	FT.	ELEV.	-119.70	FT.				
BORING ADVANCED	BY:		POWER	AUGERING				WASH	IBORING	3 <u>X</u>
STRATUM	SAMPI	LE DEPTH	SAMPLE		FIELD		LABOR	ATORY		
DEPTH II II	FROM	то	OR	SAMPLE	RESULTS			SULTS		STRATUM DESCRIPTION
FT. ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%М	
- -	40.0	42.0	21	SS	20				-	Lean CLAY (CL), very sandy, occasional chert fragments - reddish-brown; moist with trace free
42.5 — -42.5 — —	42.0	44.0	22	SS	23					water in chert-rich zones; very stiff (RESIDUUM)
- 45.045.0 -	44.0	46.0	23	SS	18					Fat CLAY (CH) with sand, occasional chert fragments - yellowish-brown; moist to very moist; very stiff (RESIDUUM)
— — — 47.5 — -47.5	46.0	48.0	24	SS	23					-
- - -	48.0	50.0	25	SS	27					Clayey SAND (SC) with thin silt, clay layers, chert fragments - yellowish-brown with minor black and gray; very moist with trace free water in chert-rich zones; very stiff to stiff (RESIDUUM)
50.0 — -50.0 — —	50.0	52.0	26	SS	14					
52.5 — -52.5 — —	52.0	54.0	27	SS	14					Lean CLAY (CL) with sand, chert as fragments
- 55.055.0	54.0	56.0	28	SS	13					 and in zones - yellowish-brown to brown; very moist to wet in chert-rich zones; stiff (RESIDUUM)
— — — 57.5 — -57.5	56.0	58.0	29	SS	15				 	- -
- - -	58.0	60.0	30	SS	12					 Fat CLAY (CH) with sand, chert fragments - yellowish-brown with trace gray; very moist to wet; stiff (RESIDUUM)
60.0 — -60.0 REMARKS:							-			

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L	OG OF BORING		В	
	SHEET 4 OF	6		
DRILLER	T. Bra	zier		
N-SITE REP.	T. Wo	ods		

										ON-SITE REP. T. Woods	
BORING NO. / LOCA	TION			В				DI	RY ON	COMPLETION ? No	
DATE Augus	t 28 - Septem	ber 1, 2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)	
REFUSAL:	Yes	DEPTH 100.7	FT.	ELEV.	-100.70	FT.				COMPLETION: DEPTH 77.2 FT.	
SAMPLED	96.2 FT.	29.3	M							ELEVFT.	
TOP OF ROCK		DEPTH 96.2	FT.	ELEV.	-96.20	FT.					
BEGAN CORING		DEPTH 100.7	FT.	ELEV.	-100.70	FT.				AFTER 24 HRS. DEPTHFT.	
FOOTAGE CORED (LF)		FT.							ELEVFT.	
BOTTOM OF HOLE	DEPTH	119.7	FT.	ELEV.	-119.70	FT.					
BORING ADVANCE	D BY:		POWER A	AUGERING		_	,	WASH	BORIN	GX	
STRATUM	SAME	PLE DEPTH	SAMPLE		FIELD		LABOR	ATORY			
DEPTH	FROM	то	OR	SAMPLE	RESULTS		RES	SULTS		STRATUM DESCRIPTION	
FT. ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%M		
_	60.0	62.0	31	SS	10					-	
_											
_										_	
62.5 – -62.5	62.0	64.0	32	SS	17					 Fat CLAY (CH) with trace sand, occasional che 	rt
	02.0	04.0	32	33	17					fragments - reddish-brown; very moist; stiff	ж
_										(RESIDUUM)	
_											
65.0 — -65.0	64.0	66.0	33	SS	14					<u> </u>	
_										_	
										_	
_	66.0	68.0	34	SS	17						
67.5 – -67.5											
-										_	
_	68.0	70.0	35	SS	10					-	
_	00.0	70.0	33	33	10					Lean CLAY (CL) with sand, chert fragments ar	nd
-										layers - brown to dark brown with trace black; w	
70.0 — -70.0										very stiff to stiff (RESIDUUM)	
_	70.0	72.0	36	SS	13					_	
_										_	
_										_	
72.5 – -72.5	72.0	74.0	37	SS	25*					_	
<u> </u>										_	
										<u> </u>	
_	74.0	76.0	38	SS	12					_	
75.0 — -75.0	74.0	76.0	30	33	12					 Fat CLAY (CH) with sand, rare to occasional 	
_									l	— chert fragments - brown and red with trace blace	:k;
<u> </u>										moist to wet; very stiff to stiff (RESIDUUM)	
_	76.0	78.0	39	SS	16					_	
77.5 – -77.5										_	
-										Fat CLAY (CH) with silty sand layers, occasion	al
<u>-</u> 	78.0	80.0	40	SS	12					chert fragments, relict structures - reddish-brow	/n
_										and gray; vert moist to wet at 82'; stiff to very st	iff
80.0 — -80.0								<u> </u>		(RESIDUUM)	
	· *Inflated bl	low count due to	o encountorin	a a hiah ca	ncentration	of rool	r frage	ante i	within t	the test interval	

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L	OG OF BORING		В	
	SHEET 5 OF	6	•	
DRILLER	T. Bra	zier		
ON-SITE REP.	T. Wo	ods		

BORING N	O. / LOCA	TION			В				- DI	RY ON	COMPLETION ? No
DATE	August	28 - Septemb	per 1, 2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)
REFUSAL:		Yes	DEPTH 100.7	FT.	ELEV.	-100.70	FT.				COMPLETION: DEPTH 77.2 FT.
SAMPLED		96.2 FT.	29.3	M	•		_				ELEVFT.
TOP OF RO	OCK		DEPTH 96.2	FT.	ELEV.	-96.20	FT.				
BEGAN CC	ORING		DEPTH 100.7	FT.	ELEV.	-100.70	FT.				AFTER 24 HRS. DEPTH FT.
FOOTAGE	CORED (L	_F)		FT.	·		_				ELEVFT.
воттом с	OF HOLE I	DEPTH	119.7	FT.	ELEV.	-119.70	FT.				
BORING AI	DVANCED	BY:		POWER	AUGERING		_		WASH	BORING	G X
STRA	TUM	SAMP	LE DEPTH	SAMPLE		FIELD		LABOR	ATORY	I	
DEF	РТН	FROM	то	OR	SAMPLE	RESULTS		RE	SULTS		STRATUM DESCRIPTION
FT.	ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%М	
											(Continued)
_	_	80.0	82.0	41	SS	15					
_											_
	-										<u> </u>
82.5 –	-82.5	82.0	04.0	40	00	46					_
_	-	82.0	84.0	42	SS	16				-	_
_											-
	-										_
85.0 —	85.0	84.0	86.0	43	SS	11					Est OLAY (OLD with although design and leaves
05.0 _	05.0										 Fat CLAY (CH) with silty sand layers, occasional chert fragments, relict structures - reddish-brown
	-										— and gray; vert moist to wet at 82'; stiff to very stiff
_											- (RESIDUUM)
_	-	86.0	88.0	44	SS	12					_
87.5 –	-87.5										_
_	-									F	_
_											-
	•										_
90.0	-90.0										<u>-</u>
90.0 <u> </u>	90.0										
	_	90.0	92.0	45	SS	10					
_											_
_	-									-	_
92.5 –	-92.5	92.0	94.0	46	SS	10					- Fat CLAY (CH) and silty SAND (SM) - reddish-
_	-	32.0	34.0	10		.0					brown and gray; very moist to wet; stiff
_											(RESIDUUM)
_	-										_ _
95.0 -	95.0	94.0	96.0	47	SS	9					
-	00.0										
_	_										_
_		00.0	00.0	40	00	50/2"*					_
_	-	96.0	96.2	48	SS	50/2"				H	_
97.5 –	-97.5										 Weathered sandy DOLOMITE
	-										_
_	_										<u>-</u>
-	_										
100.0 —	100.0										
		. *I			h.:			. 			the test interval
I RE	=IVIAKKS:										the test interval. If same as at 86' to 88'.
		ino sample	110111 00 10 90	, sampler all	u 1005 IEII 4	o, aistaibec	, sailif	יים ווונט	ıvaı. I\	natelid	וו שמוווט מש מניטט נט טט .



L	OG OF BORING		В	
	SHEET 6 OF	6		
DRILLER	T. Bra	zier		
N-SITE REP.	T. Wo	ods		

										ON-SITE REP. 1. Woods
BORING NO. / LOCAT	ION			В				. DI	RY ON	COMPLETION ? No
DATE August	28 - Septemb	er 1, 2015	SURF	ACE ELEV.		FT.				WATER LEVEL DATA (IF APPLICABLE)
REFUSAL:	Yes	DEPTH 100.7	FT.	ELEV.	-100.70	FT.				COMPLETION: DEPTH 77.2 FT.
SAMPLED	96.2 FT.	29.3	М							ELEVFT.
TOP OF ROCK		DEPTH 96.2	FT.	ELEV.	-96.20	FT.				
BEGAN CORING		DEPTH 100.7	FT.	ELEV.	-100.70	FT.				AFTER 24 HRS. DEPTHFT.
FOOTAGE CORED (L	F)		FT.							ELEVFT.
BOTTOM OF HOLE D	EPTH	119.7	FT.	ELEV.	-119.70	FT.				
BORING ADVANCED	BY:	-	POWER A	AUGERING		_	,	WASH	BORIN	X
STRATUM	SAMPL	LE DEPTH	SAMPLE		FIELD		LABOR	ATORY		
DEPTH	FROM	то	OR	SAMPLE	RESULTS		RES	SULTS		STRATUM DESCRIPTION
FT. ELEV.	FT.	FT.	RUN NO.	TYPE	N-Value	Qp	LL	PI	%M	
-										(Continued)
_										Weathered sandy DOLOMITE
_										Auger Refusal, Began Coring at 100.7 ft.
_										_
102.5 – -102.5										-
_										_
_										-
_										
105.0 — -105.0										_
_										_
_										DOLOMITE, sandy, medium to coarse-grained,
-										 slightly weathered to 101.7', then hard, light gray
										— with thin chert bands, bedding dips at 20°
107.5107.5										-
_										
_										_
-										_
110.0 — -110.0										_
-										-
_										
_										
112.5112.5										_
_										<u> </u>
-										DOLOMITE, sandy, coarse-grained, hard, light
_										gray to pinkish-gray with numerous dark chert
- 115.0 — -115.0										bands to 1' thick, bedding dips at 20° but is
										somewhat diffuse
_										_
_										_
_										-
117.5117.5										
_										
_										slightly weathered to 101.7', then hard, light gray
_										with thin chert bands, bedding dips at 20°
120.0 — -120.0										
										Boring Terminated at 119.7 feet
REMARKS:										



GEOS Project No: 41-15412

Boring: Location B

<u>Pull</u>	Run	<u>Depth</u>	Recovery	RQD
1	1.0'	100.7'-101.7'	80%	0%
2	1.6'	101.7'-103.3'	88%	44%
3	1.4'	103.3'-104.7'	114%	71%
4	5.0'	104.7'-109.7'	100%	54%
5	5.0'	109.7'-114.7'	100%	57%
6	5.0'	114.7'-119.7'	100%	66%

100.7-101.7 Core badly fractured 101.7 Mechanical break 101.7 Joint, 25°, slightly weathered, rough 102.0 Bedding break, fresh, very rough 102.2 Mechanical break 102.4-102.5 Bedding breaks (2), fresh, slightly rough 102.5 Joint, vertical, fresh, slightly rough 103.0-103.1 Mechanical breaks (2) 103.1-103.2 Core badly fractured 103.5 Bedding break, slightly stained, slightly rough 103.5 Joint, 30°, stained, slightly rough
Joint, 25°, slightly weathered, rough 102.0 Bedding break, fresh, very rough 102.2 Mechanical break 102.4-102.5 Bedding breaks (2), fresh, slightly rough 102.5 Joint, vertical, fresh, slightly rough 103.0-103.1 Mechanical breaks (2) 103.1-103.2 Core badly fractured 103.5 Bedding break, slightly stained, slightly rough
102.0 Bedding break, fresh, very rough 102.2 Mechanical break 102.4-102.5 Bedding breaks (2), fresh, slightly rough 102.5 Joint, vertical, fresh, slightly rough 103.0-103.1 Mechanical breaks (2) 103.1-103.2 Core badly fractured 103.5 Bedding break, slightly stained, slightly rough
102.2 Mechanical break 102.4-102.5 Bedding breaks (2), fresh, slightly rough 102.5 Joint, vertical, fresh, slightly rough 103.0-103.1 Mechanical breaks (2) 103.1-103.2 Core badly fractured 103.5 Bedding break, slightly stained, slightly rough
102.4-102.5 Bedding breaks (2), fresh, slightly rough 102.5 Joint, vertical, fresh, slightly rough 103.0-103.1 Mechanical breaks (2) 103.1-103.2 Core badly fractured 103.5 Bedding break, slightly stained, slightly rough
102.5 Joint, vertical, fresh, slightly rough 103.0-103.1 Mechanical breaks (2) 103.1-103.2 Core badly fractured 103.5 Bedding break, slightly stained, slightly rough
103.0-103.1 Mechanical breaks (2) 103.1-103.2 Core badly fractured 103.5 Bedding break, slightly stained, slightly rough
103.1-103.2 Core badly fractured 103.5 Bedding break, slightly stained, slightly rough
Bedding break, slightly stained, slightly rough
102.5 Laint 20° stained slightly rough
103.5 John, 50', stanica, siigitty fough
Joint, 15° (opposite bedding), slightly stained, rough
104.7 Mechanical break
Joint, 40°, fresh, slightly rough
104.9-105.9 Joint, 75°-vertical, slightly stained, slightly curved, slightly rough
Joint, 5°, slightly weathered, rough
106.0 Joint, 10°≤, stained, rough



GEOS Project No: 41-15412

Boring: Location B

Pull	Run	<u>Depth</u>	Recovery	<u>RQD</u>
1	1.0'	100.7'-101.7'	80%	0%
2	1.6'	101.7'-103.3'	88%	44%
3	1.4'	103.3'-104.7'	114%	71%
4	5.0'	104.7'-109.7'	100%	54%
5	5.0'	109.7'-114.7'	100%	57%
6	5.0'	114.7'-119.7'	100%	66%

Depth (ft.)	<u>Description</u>
100.7-101.7	Core badly fractured
101.7	Mechanical break
101.7	Joint, 25°, slightly weathered, rough
102.0	Bedding break, fresh, very rough
102.2	Mechanical break
102.4-102.5	Bedding breaks (2), fresh, slightly rough
102.5	Joint, vertical, fresh, slightly rough
103.0-103.1	Mechanical breaks (2)
103.1-103.2	Core badly fractured
103.5	Bedding break, slightly stained, slightly rough
103.5	Joint, 30°, stained, slightly rough
104.2	Joint, 15° (opposite bedding), slightly stained, rough
104.7	Mechanical break
104.7	Joint, 40°, fresh, slightly rough
104.9-105.9	Joint, 75°-vertical, slightly stained, slightly curved, slightly rough
105.6	Joint, 5°, slightly weathered, rough
106.0	Joint, 10°≤, stained, rough



GEOS Project No: 41-15412

Boring: Location B

Depth (ft.)	<u>Description</u>
106.3	Bedding break, weathered, rough
106.5	Joint, 40°, weathered, very rough
106.5-106.7	Core highly weathered, pitted
106.7	Bedding break (?), weathered, very rough
107.8	Joint, near horizontal (stylolite?), weathered, irregular, very rough
108.3	Joint, 10°≤, with thin clay layer, irregular
108.4	Joint, 10°≤, slightly stained, irregular, very rough
108.4	Joint, 75°, fresh, very rough
108.4	Bedding break, fresh, rough
108.7	Joint, 35°, stained, irregular, very rough
108.7-109.4	Core badly fractured
109.4	Joint, 40°, stained, very rough
109.7	Mechanical break
109.7	Bedding break, slightly weathered, rough
109.9	Bedding break, slightly weathered, rough
110.4	Joint, 10°, fresh, slightly rough
110.4	Joint, 75-vertical (overturned), fresh, rough
110.7-110.8	Joints (2), 40°, fresh to slightly weathered, irregular
110.9	Joint, 10°, fresh, very rough
111.3	Bedding break, fresh, rough
111.4	Joint, 60°, fresh, rough
111.5	Mechanical break
111.7-111.8	Bedding breaks (2), fresh, slightly curved
111.8-112.4	Joint, 80°-vertical, fresh, rough



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Boring: Location B

Depth (ft.)	Description
113.3	Joint, near horizontal, irregular, very rough, slightly weathered
113.3	Core slightly pitted
114.0	Bedding break, slightly stained, rough
114.0	Joint, vertical, weathered, rough
114.3-114.9	Core badly fractured, weathered
114.9	Mechanical break
115.2	Joint, horizontal, weathered, irregular, very rough
115.2	Joint, 65°, fresh, rough
115.2	Joint, 80°, fresh, slightly rough
115.5	Joint, 65°, fresh, rough
115.6	Joint, 40°, fresh, rough
115.8	Joint, 30°, slightly stained, slightly curved, slightly rough
115.8-118.2	Numerous calcite-filled healed fractures
116.1-116.7	Joints (3), 60°, fresh, rough
117.3	Joint, 45°, fresh, rough
117.6	Bedding break, slightly stained, very rough
117.6	Joint, vertical, incipient to slightly open
118.4	Bedding break, slightly stained, slightly rough to rough
118.4-118.7	Core badly fractured, slight staining on joint surfaces
118.7	Joint, 70°, fresh, irregular
119.0	Joint, 80°, fresh, slightly irregular
119.2-119.5	Core badly fractured
119.7	Mechanical break – END OF CORING