С	lient: 7	FranSy	stem	s, Inc.				Project: SCI-823-0.00								Job No	. 0121	-3070	.03
L	og c	F: Bo	oring	B-140	3	I	Location:	Date Drilled: 01	1/2	6/0	6								
Γ					Sam No			WATER OBSERVATIONS: Water seepage at:		6	GRA.	DAT	ION						
			5	(ii)		e	Hand Penetro-	Water level at completion: 9.0'	l et	2					STA	NDARD	PENET	RATIO	N (N)
Ľ	Pepth	Elev.	per ('eny		/ Col	meter		rega	Sand	Sand	Sand					ture Cor		
	(ft)	(ft)	Blows per 6"	Recovery	Drive	Press / Core	(tsf)	DESCRIPTION	% Addredate		% M Sand	% F. S	% Silt	% Clay		Blows	per foot	- ()	40
	0							Asphalt Concrete Pavement- 14"											
	_		99																
	_		4	19	1											9			
	5 —		5		2										, ,	<u> </u>			
	_		2 1 2		3														
	_		3 6 7	,	4														
	10 — 10.5—		28 2 18	14 8	5														
	10.5							Bottom of Boring - 10.5'											
	_																		
	-																		
	15 —																		
	_																		
[W	_																		
4:02 PM]	20 —																		
2014	_																		
5/23/2	_																		
)3 [25 —																		
3070-(_																		
FILE: 0121-3070-03 [5/2	_																		
FILE:	30																		

			, Inc.		_		Project: SCI-823-0.00							Job No. 0121-3070.03
200.0)F: Bo	oring	B-140			ocation:	Date Drilled: 01	/26						
				Sam No		Hand	WATER OBSERVATIONS: Water seepage at:	╞	Gł	RAD	ATIC			-
Depth (ft)	Elev. (ft)	Blows per 6"	Recovery (in)	Drive	Press / Core	Penetro- meter (tsf)	Water level at completion: 10.0' (Including drill water) DESCRIPTION	% Aggregate	% C. Sand	% M. Sand	% F. Sand	% Silt	% Clay	STANDARD PENETRATION (N Natural Moisture Content, % - PL ⊢ LL Blows per foot - ○ 10 20 30 40
0	_	6					Asphalt Concrete- 11", Brick - 2", Portland Cement Concrete - 4"							
_	-	6 8 6 3	10	1										<i>.</i> ,
5 —	•	3	10	2										
_ 7.5	-	14 45 45 50/5		3										C9
 10	-	Core 60"	Rec 55"	RQD 45%	R-1		Medium hard brown and gray SANDSTONE; very fine to fine grained, moderately to highly weathered, argillaceous, medium to massive bedding, moderately to highly fractured. @ 8.2', 9.3', 10.5', 12.0'; decomposed argillaceous zone.							
-12.5 - -	-						Bottom of Boring - 12.5'							
15 — — —	-													
 20	-													
_	-													
_ 25 — _	-													
_														

Client: TranSystems, Inc.	_	Project: SCI-823-0.00							Job No. 0121-3070.03
OG OF: Boring B-1533	Location: S	ta. 9+86.2, 28.4 ft. LT of US 52 CL Date Drilled: 8/	16/ T		RAD	ΔΤΙ	ON		Г
Depth Elev.	lo. Hand Penetro O S S (tsf)	OBSERVATIONS: Water seepage at: 3.0'-9.5' Water level at completion: 8.9' DESCRIPTION	% Aggregate			F. Sand	Silt	% Clay	STANDARD PENETRATION (N, Natural Moisture Content, % - ↓ PL ⊢ LL Blows per foot - ○ 10 20 30 40
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2.0	Asphalt Concrete - 7" Portland Cement Concrete - 9" FILL: Medium stiff brown SILT AND CLAY (A-6a), some fine to coarse sand, trace gravel; damp. @ 2.8'-3.0', sand seam. FILL: Very dense brown GRAVEL WITH SAND (A-1-b), trace silty clay; damp. FILL: Very dense brown GRAVEL WITH SAND AND SILT (A-2-4), little silty clay; damp. FILL: Dense brown GRAVEL WITH SAND (A-1-b), trace silty clay; damp. POSSIBLE FILL: Medium dense brown COARSE AND FINE SAND (A-3a); damp. POSSIBLE FILL: Stiff to very stiff brown SILT AND CLAY (A-6a), trace fine sand; damp. Bottom of Boring - 10.0'	27 25 36	14 28 30 23 31		34 35	6 11	6	Nor-Pla O- Nor-Pla Off Nor-Pla Osc Nor-Pla

Client: T					_		Project: SCI-823-0.00								Job No.	0121	-3070	.03
<u>_OG 0</u>)F: Bo	oring	R-69	Com		ocation: Sta	a. 140+14.7, 249.2 ft. LT of SR 823 CL Date Drilled: 3/5	9/05 1			ATI	to		3/9/05				
Depth (ft)	<i>Elev.</i> <i>(ft)</i> 763.0	Blows per 6"	Recovery (in)	Sam, No		Hand Penetro- meter (tsf)	WATER OBSERVATIONS: Water seepage at: None Water level at completion: 22.0' (includes drilling water) DESCRIPTION	% Aggregate	% C. Sand	M. Sand	% F. Sand	% Silt	% Clay	Natu P	NDARD ral Moist L Hommer Blows p 0 20	ure Cor per foot	ntent, % ──┤ L - ○	<u> </u>
0		3 6 6	18	1		4.5+	No Topsoil Hard brown and orange SANDY SILT (A-4a), little clay; damp.								Q			
-3.5 5	-759.5-	3 6 13	18	2		4.5+	Hard gray SILTY CLAY (A-6b), little fine to coarse sand, trace gravel; damp.								, V	/		
_		50/2	2	3		4.5+	@ 6.0'-6.2', light brown.										/	+;
-7.0	-756.0-	Core 72"	Rec 72"	RQD 100%	,R-1	*69	Soft to medium hard brownish gray SANDSTONE; very fine to fine grained, highly weathered, argillaceous, thinly bedded to thickly bedded, moderately fractured with typical low angle iron stained fractures. @ 7.0'-9.5', reddish gray, decomposed.											
 15 		Oara	Dec				@ 13.9'-14.3', high angle iron stained fracture. @ 14.8'-15.1', 16.4'-16.8', IRONSTONE.											
8.1 20 	744.9- - - -	Core 120"	Rec 120"	RQD 83%	R-2	*239	Medium hard to hard gray SANDSTONE; very fine to fine grained, slightly to moderately weathered, argillaceous, micaceous, thinly bedded to thickly bedded, slighty fractured to unfractured, contains few argillaceous laminations. @ 19.0', 20.3', low angle iron stained fractures.											
_ 25 — _ _		Core	Rec	RQD		*500	@ 24.6', 26.3', low angle fractures.											
		120"	120"	RQD 100%	к-3	*500												

Client	: TranSy	rstems	, Inc.				Project: SCI-823-0.00								Job No	o. 0121	-3070	.03
LOG	i OF: Bo	oring	R-69			ocation: Sta	a. 140+14.7, 249.2 ft. LT of SR 823 CL Date Drilled: 3/	9/0)5			to)	3/9/05				
				Sam			WATER OBSERVATIONS: Water seepage at: None	F	G	RAL	DATI	ION		\Box				
			(iii)	No	;─- I	Hand Penetro-	Water level at completion: 22.0' (includes drilling water)											
		er 6"			Sore	meter		nate	<u>1</u>	p	g	,			ANDARD Jral Mois			
Deptl (ft)	h Elev. (ft)	Blows per 6"	иел		Press / Core	(tsf)		Jure	Sand	M. Sand	Sand	<u>, </u>	Clay		₽L ⊢		— <i>L</i>	
1.2	733.0	Blow	Recovery	Drive	Pres		DESCRIPTION	% Aaareaate	% V	W %	% F.	% Silt	S 2			per foot 20		40
	100.0				+		Medium hard to hard gray SANDSTONE; very fine to fine grained,		+	\uparrow	+	+	+	1::::				
							slightly to moderately weathered, argillaceous, micaceous, thinly bedded to thickly bedded, slightly fractured to unfractured;											
	_						contains few argillaceous laminations.											
	_																	
35 -																		
	-																	
	-	Core	Rec	ROD		.=												
		120"	Rec 120"	RQD 100%	, R-4	*519												
40 -	_																	
~~	_																	
	_																	
	-				-		@ 42.4'-43.6', light brown weathered zone.											
	_																	
45 -																		
	-																	
		Core	Rec 120"	RQD 100%	B-5	*292												
2	_	120"	120"	100%	,,													
Md 20																		
4:(_																	
2014	_																	
/23/	-																	
ن ب ب	_																	
то - о 55 -																		
- 307	_						@ 56.7'-56.9', IRONSTONE.											
0121	_	Core 120"	Rec 120"	RQD 100%	R-6	*596	@ 59.5', low angle clay filled fracture.											
I LE :	_	120	120	100 /6			 @ 59.5', low angle clay filled fracture. @ 59.5'-60.3', thinly laminated shale bed. @ 59.5'-59.7', interbedded shale. 											
⊷ 60				_	1 1	1										::::/	[::::'	

	Client: -	FranSy	stems	, Inc.		_		Project: SCI-823-0.00							Job No	. 0121	-3070.	.03
	log c)F: Bo	oring	R-69		L	ocation: Sta	a. 140+14.7, 249.2 ft. LT of SR 823 CL Date Drilled: 3/	9/0	5		to)	3/9/05				
ſ					Sam No		Hand	WATER OBSERVATIONS: Water seepage at: None		GF	RADA		/	-				
			6"	(in)		re	Penetro- meter	Water level at completion: 22.0' (includes drilling water)	ate	~					NDARD			• •
	Depth	Elev.	s per	very		3 / Cc	(tsf)		gregi	Sand	Sand	sand	78		ıral Mois ⁰L ⊢—			
	(ft)	<i>(ft)</i> 702.9	"Blows per 6	Recovery	Drive	Press / Core	(151)	DESCRIPTION	% Aggregate	% C.	Σİ	% T. 0 % Cilt	% Clav		Blows	per foot 20 3	- ()	10
	- 60.0 - - -	<u>\-703.0</u>				-		Hard gray SANDSTONE; very fine to fine grained, slightly to moderately weathered, argillaceous, micaceous, thinly bedded to thickly bedded, slightly fractured to unfractured; contains few argillaceous laminations.										· · · · · · · · · · · · · · · · · · ·
	65																	
	-		Core 120"	Rec 120"	RQD 79%	R-7	*557											
	70 -																	
	-					-		@ 73.0', light gray.										
	75 																	
_	-		Core 120"	Rec 120"	RQD 100%	R-8	*551											
4:02 PM	80 —																	
23/2014	-																	
03 [5/2	- 85 —																	
TLE: 0121-3070-03	_		Coro	Boo														
FILE: 01	_ 90		Core 120"	Rec 120"	RQD 100%	R-9	*304	@ 87.8', low angle clay filled fracture.										

[5/23/2014 FILE: 0121-3070-03

Clie	ent: T	ranSy	stems	, Inc.				Project: SCI-823-0.00							J	ob No. (0121	3070.	.03
LO	G 0	F: Bo	ring	R-69		L	Location: Sta	a. 140+14.7, 249.2 ft. LT of SR 823 CL Date Drilled: 3/	9/0)5			to		3/9/05				
					Sam No	-	Hand	WATER OBSERVATIONS: Water seepage at: None		G	RAL)ATI	10N		-				
			6"	(in)		e	Penetro- meter	Water level at completion: 22.0' (includes drilling water)	ate							DARD P			
	pth	Elev.	per	/ery		/ Core			Aaareaate	Sand	Sand	Sand				Moistur		tent, % ──\ L	
(1	ft)	<i>(ft)</i> 672.9	Blows	Recovery	Drive	Press / ((tsf)	DESCRIPTION	% Aa		N.	L.	Si l	% Clay	B 10	lows pei 20		- 0	10
	_							Hard gray SANDSTONE; very fine to fine grained, slightly to moderately weathered, argillaceous, micaceous, thinly bedded to											
								thickly bedded, slightly fractured to unfractured; contains few argillaceous laminations.											
	_																		
5	95 —																		
	_																		
	_		Core 120"	Rec 120"	RQD 100%	, R10	*379												
10																			
-	_																		
-10	2.6	-660.4-																	
	_							Medium hard to hard gray SANDSTONE; moderately weathered, argillaceous, micaceous, thinly laminated to thinly bedded, slightly											
10)5 —							fractured; contains few to moderate argillaceous laminations, few SHALE laminations.											
	_							@ 105.6', low angle clay filled fracture.											
			Core	Rec	RQD	R11	*138												
[]	_		120"	120"	100%		150												
^۲ ۲1	0 —																		
-11	1.3	-651.7-						Hard gray SANDSTONE; very fine to fine grained, slightly											
3/201								weathered, argillaceous, micaceous, thickly bedded, slightly to											
[5/2	_							unfractured; contains few argillaceous laminations.											
	5 —							@ 116.5'-117.8', high angle fractures, calcareous.											
21-307,	_		Core	Rec	BOD			@ 117.2'-117.4', fossiliferous.											
LE: 01	_		120"	120"	RQD 100%	, R12	2 *416	@ 119.2'-120.2', calcareous.											
🗄 12	20								1			1			1::::	::: :	:::	::::	1::::

Client:	TranSy	stems	, Inc.				Project: SCI-823-0.00								Job No	. 0121	-3070	.03
LOG	OF: Bo	oring	R-69		L	ocation: Sta	a. 140+14.7, 249.2 ft. LT of SR 823 CL Date Drilled: 3	3/9/	05			to		3/9/05				
				Sam No		Hand	WATER OBSERVATIONS: Water seepage at: None			GR/	NDAT	-10N						
		.9	(in)		ore	Penetro- meter	Water level at completion: 22.0' (includes drilling water)		are						NDARD			
Depth	Elev.	: ber	/ery		/CC				Aggregate	Saria	Sand				ral Moist L ⊢—		ntent, % ──┤ L	
(ft)	<i>(ft)</i> 642.8	Blows per 6"	Recovery	Drive	Press / Core	(tsf)	DESCRIPTION	~ v v		%	% M. % F	: i5	% Clav			oer foot	- 0	40
-	-						Hard gray SANDSTONE; very fine to fine grained, slightly weathered, argillaceous, micaceous, thickly bedded, slightly											
							fractured to unfractured; contains few argillaceous laminations.											
-	_																	
125 —	-																	
-	-	Core 120"	Rec 120"	RQD 100%	R13	*339	@ 128.0', pyritic.											
-	-	120	120	100 /														
130 —																		
	_																	
-	-																	
135 —	-																	
135 -	_																	
	-	Carra	Dee															
_		Core 120"	Rec 120"	RQD 100%	R14	*394												
M 140 -																		
4:0	-																	
/2014																		
5/23	-																	
ຼ ິ 145 —	-																	
3070-																		
0121-	_	Core 120"	Rec 120"	RQD 100%	R15	*477												
	-	120	120	100%														
150	-													1::::				1

Clien	t: Trai	nSys	stems	, Inc.				Project: SCI-823-0.00								Job No	. 0121	-3070	.03
LOG	i OF:	Во	ring l	R-69		L	ocation: Sta	a. 140+14.7, 249.2 ft. LT of SR 823 CL Date Drilled: 3/	/9/0)5		t	to	(3/9/05				
					Sam No		Hand	WATER OBSERVATIONS: Water seepage at: None	_	G	RAD	4 <i>TIO</i>	N N						
			<u>.</u>	(in)		l o	Penetro-	Water level at completion: 22.0' (includes drilling water)	ļ ģ	2					STA	NDARE	PENET	RATIO	N (N)
Dept	h El	lev.	per (ery		Col	meter		rega	Sand	Sand	Sand					ture Cor		
(ft)	(′ <i>ft)</i> 2.8	Blows per 6"	Recovery	Drive	Press / Core	(tsf)	DESCRIPTION	% Annrenate	% C. S	N.	ц.	% Silt	% Clay		Blows	per foot 20 3	- 0	-L 40
	_							Hard gray SANDSTONE; very fine to fine grained, slightly weathered, argillaceous, micaceous, thickly bedded, slightly											
	_							fractured to unfractured; contains few argillaceous laminations.											
	_		Core 24"	Rec 24"	RQD 100%	R16	*443												
—155.0	0-60	8.0						Bottom of Boring - 155.0'	1										
	_																		
	_																		
	_																		
160																			
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165																			
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Client: T					_		Project: SCI-823-0.00							Job	No. (0121	-3070	0.03
LOG O	DF: Bo	oring	R-159			<i>ocation:</i> Sta	a. 291+62.5, 220.4 ft. RT of SR 823 CL Date Drilled: 9/	29/(T			ATI							
				Sam No		Hand	OBSERVATIONS: Water seepage at: None		G	RAL								
Depth (ft)	Elev. (ft)	Blows per 6"	Recovery (in)	Drive	Press / Core	Penetro- meter (tsf)	Water level at completion:None (prior to coring) 3.3' (includes drilling water) DESCRIPTION	% Aggregate	C. Sand	Σ.	F. Sand	Silt	Clay	STANDA Natural M PL ⊢ Blov	oistur		ntent, 9 ——I	% - ●
0 —	738.3	-	Re	<u>مَ</u>	Pn			%	%	%	%	%	%	10	<u>20</u>			40
0.6 	-737.7-	4 3 5	18	1			 Topsoil - 7"/1.9' soil removed before drilling Loose to medium dense brown SANDY SILT (A-4a), trace clay; contains sandstone fragments; damp to moist. 							0	· · · · · · · · · · · · · · · · · · ·			
 5		50/1	1	2			@ 3.5'-7.5', dense to very dense.									/	, +	50
_		18 25 17	18	3														
 10		12 13 15	18	4												Х Х		
-12.5	-725.8-	27 35 40	18	5			@ 11.0'-12.5', very dense.										/	075
							Medium hard gray and brown SANDSTONE; very fine to fine grained, moderately to highly weathered, argillaceous, micaceous thinly bedded to thickly bedded, highly fractured, with typical high angle clay filled fractures. @ 14.7',16.9', low angle clay filled fractures.	,								· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
-17.6	-720.7-	Core 120"	Rec 118"	RQD 65%	R-1	*468	Hard gray SANDSTONE; very fine to fine grained, slightly weathered, argillaceous, micaceous, thinly bedded to thickly											
20 —							@ 19.8', low angle clay filled fracture.											
-22.5	-715.8-						Bottom of Boring - 22.5'											
 25 																		

Client:					_		Project: SCI-823-0.00	<u> </u>							Job No	o. 0121	-3070	.03
LOG C	DF: Bo	oring	R-162	Sam		Location: Sta	a. 295+52.6, 311.8 ft. RT of SR 823 CL Date Drilled: 9/4	30/(RAE	ΟΑΤΙ	ION						
Depth (ft)	Elev. (ft) 794.7	Blows per 6"	Recovery (in)	Drive	Press / Core	Hand Penetro- meter (tsf)	OBSERVATIONS: Water seepage at: None Water level at completion: 1.9' (includes drilling water) DESCRIPTION	% Aggregate	% C. Sand	% M. Sand	% F. Sand	Si	% Clay	Natu P	ral Mois L ⊢— Blows	PENET	ntent, % ──→ L - ○	5 - (
0	-	4 5 5	18	1		2.5	No topsoil Very stiff brown SILT (A-4b), trace fine to coarse sand, trace gravel, trace clay; contains sandstone fragments; damp.											
-4.0	-790.7-		10	2			Severely weathered brown SANDSTONE, argillaceous.										/	/,
	-787.7-	50/1 Core 72"	Rec 65"	3 RQD 58%		*99	Medium hard to hard brown SANDSTONE; very fine to fine grained, moderately to highly weathered, argillaceous, thinly bedded to thickly bedded, moderately fractured, with typical low angle fractures. @ 9.5'-10.0', IRONSTONE layer.											5
 15 	-	Core 120"	Rec 120"	RQD 98%	- R-2	*268	@ 10.0'-10.4', lost recovery, possible void.											
 20 24.0							Soft to modium bard dark grou SANDSTONE: highly weathered											
25 — - - - - 30	-	Core 120"	Rec 120"	RQD 74%	R-3	*90	Soft to medium hard dark gray SANDSTONE; highly weathered, argillaceous, thinly bedded, highly fractured, with typical low angle clay filled fractures; contains moderate to abundant argillaceous laminations. @ 27.1'-27.7', shale bed. @ 28.3'-29.3', few argillaceous laminations.											

Client: T					_	_	Project: SCI-823-0.00								Job No	o. 0121	1-3070).03
LOG O	F: Bo	pring	R-162	Sam		ocation: Sta	a. 295+52.6, 311.8 ft. RT of SR 823 CL Date Drilled: 9/	30/ T						1				
Depth (ft)	Elev. (ft)	Blows per 6"	Recovery (in)	No	/ Core	Hand Penetro- meter (tsf)	OBSERVATIONS: Water seepage at: None Water level at completion: 1.9' (includes drilling water)	% Aggregate		Sand	Sand		ay	Natu	NDARD Iral Moisi PL I			6 -
(11)	764.7	Blow	Reco	Drive	Press ,	(131)	DESCRIPTION	% Ag	% C.	% M.	% F.	% Silt	% Clay			per foot	- () 30	<u>40</u>
-					_		Soft to medium hard dark gray SANDSTONE; highly weathered, argillaceous, thinly bedded, highly fractured, with typical low angle clay filled fractures; contains moderate to abundant argillaceous laminations.											
33.6— 35 —	-761.1-						Very soft to medium hard gray SHALE, highly weathered to decomposed, arenaceous, thinly laminated to laminated, highly fractured; contains few to moderate arenaceous laminations.											
 38.2	-756.5-	Core 120"	Rec 120"	RQD 76%	R-4	*298	@ 30.7'-33.0', abundant argillaceous laminations.											
40 — 	730.3	120"	120"	76%			Medium hard to hard gray and brown SANDSTONE; very fine to fine grained, moderately to highly weathered, argillaceous, micaceous, thinly bedded to thickly bedded, moderately fractured.											
- - 45					-		@ 43.7'-43.8', argillaceous zone.											
		Core 120"	Rec 120"	RQD 100%	R-5	*466	 @ 38.5',39.8', low angle rust stained fractures. @ 47.0'-47.1', 50.2'-50.3', argillaceous zones with fractures. 											
	700 7	Core 24"	Rec 24"	RQD 100%	R-6	*451												
	-739.7-						Bottom of Boring - 55.0'											

	FranSy				_		Project: SCI-823-0.00							Job No. 0121-3070.03
LOG C	DF: Bo	oring	R-181	Sam		<i>_ocation:</i> Sta	a. 315+09.2, 403.8 ft. RT of SR 823 CL Date Drilled: 9/2	27/(RAD	ΔΤΙ			09/28/04
Depth (ft)	<i>Elev.</i> (ft) 797.1	Blows per 6"	Recovery (in)	Drive		Hand Penetro- meter (tsf)	OBSERVATIONS: Water seepage at: None Water level at completion: None (prior to coring) 10.8' (includes drilling water) DESCRIPTION	% Aggregate	% C. Sand	M. Sand		Silt	% Clay	STANDARD PENETRATION (N Natural Moisture Content, % - PL ⊢ LL Blows per foot - ○ 10 20 30 40
0 	-796.1-	2 2 4	8	1		2.5	Topsoil - 12" Very stiff to hard brown and gray CLAY (A-7-6), little fine to coarse sand, trace gravel; damp to moist.	4	4		7	30	55	Q.
5		2 6 11		2		4.5+								
		20 27 7 20		3		4.5+		4	5		8	31	52	
10		30 12 19 31		5		4.5+								
13.0— — 15 —	-784.1-	9 22 42	18	6			Severely weathered brown and gray SHALE, arenaceous.							Q
17.0— —	-780.1-	13 50/3	6	7	-		Medium hard to hard brown and gray SANDSTONE; fine grained, highly weathered, slightly fractured.							
20 —		Core 108"	Rec 108"	RQD 83%	R-1	*265	@ 22.4'-23.4', IRONSTONE band. @ 22.4', 22.8', 23.4', 23.8', rust stained fractures.							
 25 							@ 24.7'-24.8', clay filled fracture.							
30														

	TranSy				_	_	Project: SCI-823-0.00							Job No. 0121-3070.03
<u>_OG 0</u>	DF: Bo	oring	R-181	Sam		ocation: Sta	a. 315+09.2, 403.8 ft. RT of SR 823 CL Date Drilled: 9/2 WATER	27/0 		RAD	ATIC	to ON	(09/28/04
Depth (ft)	<i>Elev. (ft)</i> 767.0	Blows per 6"	Recovery (in)	Drive		Hand Penetro- meter (tsf)	OBSERVATIONS: Water seepage at: None Water level at completion: None (prior to coring) 10.8' (includes drilling water) DESCRIPTION	% Aggregate	% C. Sand	% M. Sand	and	t	% Clay	STANDARD PENETRATION (N Natural Moisture Content, % - PL ⊢───── LL Blows per foot - ○ 10 20 30 40
-	-	Core 120"	Rec 120"	RQD 88%		*220	Medium hard to hard brown and gray SANDSTONE; fine grained, highly weathered, slightly fractured. @ 31.2'-32.0' high angle rust stained fracture							
-34.0— 35 — – –	+-763.1-				-		Medium hard to hard gray SANDSTONE; very fine to fine grained, moderately to highly weathered, micaceous, argillaceous, slightly fractured; contains few to moderate argillaceous laminations. @ 35.6'-37.6', 38.0'-38.3', 40.4'-40.7', very fine grained, fissile.							
40 — 43.3 — 45 —	-753.8-	Core 120"	Rec 120"	RQD 83%	R-3	*461	 @ 42.1'-43.3', brown. @ 42.1',42.5',42.8',42.9', 43.1',43.2', rust stained fractures. Hard gray SANDSTONE; very fine to fine grained, slightly to moderately weathered, micaceous, argillaceous, slightly fractured 							
		Core 120"	Rec 120"	RQD 96%	R-4	*226	to unfractured. @ 46.5', 45° calcite healed fracture.							
 55 					-									
60														

	TranSy				_	_	Project: SCI-823-0.00								0121	-3070	.03
LOG C	DF: Bo	oring	R-181	Sarr		ocation: St	a. 315+09.2, 403.8 ft. RT of SR 823 CL Date Drilled: 9/3	27/(]	RAD	ATIC	to วง	()9/28/()4			
Depth (ft)	<i>Elev. (ft)</i> 737.0	Blows per 6"	Recovery (in)	Drive		Hand Penetro- meter (tsf)	OBSERVATIONS: Water seepage at: None Water level at completion: None (prior to coring) 10.8' (includes drilling water) DESCRIPTION	% Aggregate	% M. Sand	and	t	% Clay	Natu Pi	NDARD ral Moist L ⊢−−−− Blows p 0 20	ure Con er foot	ntent, % ──↓ L - ○	-
 65		Core 120"	Rec 120"	RQE 100%	R-5	*440	Hard gray SANDSTONE; very fine to fine grained, slightly to moderately weathered, micaceous, argillaceous, slightly fractured to unfractured.										
	-	Core 120"	Rec 120"	RQE 100%	R-6	*468											
					_												
 80 		Core 120"	Rec 120"	RQE 100%	R-7	*423											
					-												
90																	

Client:					_		Project: SCI-823-0.00						Job No. 0121-3070.03
LOG O	DF: Bo	oring	R-181	Sam		ocation: Sta	a. 315+09.2, 403.8 ft. RT of SR 823 CL Date Drilled: 9/	27/(]	RAD	ATIO	to ON	(09/28/04
Depth (ft)	<i>Elev. (ft)</i> 706.9	Blows per 6"	Recovery (in)	Drive		Hand Penetro- meter (tsf)	OBSERVATIONS: Water seepage at: None Water level at completion: None (prior to coring) 10.8' (includes drilling water) DESCRIPTION	% Aggregate	% M. Sand	Sand		% Clay	STANDARD PENETRATION (N) Natural Moisture Content, % - ● PL ⊢ LL Blows per foot - ○ 10 20 30 40
 95	-	Core 120"	Rec 120"	RQD 98%	R-8	*473	Hard gray SANDSTONE; very fine to fine grained, slightly to moderately weathered, micaceous, argillaceous, slightly fractured to unfractured. @ 90.8'-91.2', very fine grained, fissile.						
 100	-	Core 108"	Rec 108"	RQD 100%	R-9	*430	@ 96.0'-101.4', rust stained, highly weathered.						
 	- 						Bottom of Boring - 105.0'						
 110 	- - -												
 115 — 													

	TranSy				_		Project: SCI-823-0.00								Job No	». 012 [·]	1-3070).03
LOG C	DF: Bo	oring	R-216	_		<i>ocation:</i> Sta	a. 299+76.9, 350.2 ft. LT of SR 823 CL Date Drilled: 1	2/20			A.T.	011						
				Sam No		Hand	WATER OBSERVATIONS: Water seepage at: None	\vdash	GI	RAL								
Depth (ft)	Elev. (ft)	Blows per 6"	Recovery (in)	ј 	ss / Core	Penetro- meter (tsf)	Water level at completion: None (prior to coring) 14.9' (includes drilling water)	% Aggregate	% C. Sand	A. Sand	F. Sand	Silt	Clay	Natu	ral Mois	ture Co	TRATIC	6 -
0	617.9	Blo	Rec	Drive	Press ,		DESCRIPTION	1 %	% (% M.	% F	5%	% (per foot 20		<u>40</u>
-0.3 <u></u> - -	617.6-	20 14 24	18	1			_Topsoil - 3"/1.5' soil removed before drilling Severely weathered brown SANDSTONE, argillaceous, micaceous.										C)
	612.9-						Medium hard to hard brown SANDSTONE; very fine to fine grained, highly weathered, argillaceous, micaceous, massive, moderately fractured.											
 10	-	Core 120"	Rec 119"	RQD 89%	R-1	*1123	 @ 5.0'-5.4', high angle fracture. @ 7.2',10.0',10.3',10.5', 10.7',11.0', low angle fractures. @ 9.9'-11.1', interbedded shale. 											
11.1 -	-606.8- -	120	119	09 /0			Hard gray SANDSTONE; very fine to fine grained, slightly weathered, argillaceous, micaceous, massive, slightly fractured.											
- 15 — -	-																	
- - -	-	Core 60"	Rec 60"	RQD 87%	R-2	*1137	@ 17.4'-18.1', high angle fracture.											
20.0 	-597.9-						Bottom of Boring - 20.0'											
25 — 	-																	
30																		11