

**APPENDIX C**  
**TEST HOLE DATA SHEET**



East Coast Geoservices, LLC  
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SOIL BORING LOG

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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-1		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
DRILLING CONTRACTOR		DRILLER				
East Coast Geoservices, LLC		Steve McGinn				
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	BORING LOCATION DESCRIPTION			
2.0 inch/Core Barrel		2 inch	Located immediately north of site access driveway			
LAND SURFACE ELEVATION		COORDINATES	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD		
Unknown		NA	Power Probe 9600	Core Barrel		
DEPTH OF BORING		DEPTH TO WATER	START/FINISH DATE	BACKFILL		
55 feet		Not Encountered	11/1/13 to 11/1/13	Mason Sand		
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
	0 to 5	Top 1.0 feet brown sandy loam with organics. Top Soil Bottom 3.5 feet reddish brown silt, trace gravel.	ML ML	NA	NA	4.5 feet recovered
5						
	5 to 10	All reddish brown silt, trace gravel.	ML	NA	NA	4.5 feet recovered
10						
	10 to 15	Top 3.0 feet reddish brown silty sand, trace gravel. Bottom 1.5 feet pale brown fine sand, trace gravel.	SM SP	NA	NA	4.5 feet recovered
15						
	15 to 20	All reddish brown silty sand to sandy silt, trace gravel.	SM	NA	NA	2.25 feet recovered
20						
	20 to 25	All same as above. Mica present	SM	NA	NA	3.75 feet recovered
25						
	25 to 30	All clayey sand, trace gravel. Mica present	SC	NA	NA	3.75 feet recovered
30						
	30 to 35	All same as above.	SC	NA	NA	2.5 feet recovered
35						
	35 to 40	All same as above.	SC	NA	NA	3.0 feet recovered
40						
	40 to 45	All same as above.	SC	NA	NA	3.25 feet recovered
45						
	45 to 50	Top 3.4 feet same as above. Bottom 0.1 feet yellowish brown fine sand.	SC SP	NA	NA	3.5 feet recovered
50						



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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-1		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road			
DRILLING CONTRACTOR		DRILLER	North Hills, New York			
East Coast Geoservices, LLC		Steve McGinn				
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	BORING LOCATION DESCRIPTION			
2.0 inch/Core Barrel		2 inch	Located immediately north of site access driveway			
LAND SURFACE ELEVATION		COORDINATES	DRILLING EQUIPMENT/METHOD		SAMPLING METHOD	
Unknown		NA	Power Probe 9600		Core Barrel	
DEPTH OF BORING		DEPTH TO WATER	START/FINISH DATE		BACKFILL	
55 feet		Not Encountered	11/1/13 to 11/1/13		Mason Sand	
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
50	50 to 55	All yellowish brown fine sand.	SP	NA	NA	3.25 feet recovered
55						Boring Complete
60						
65						
70						
75						
80						
85						
90						
95						
100						



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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-2		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
DRILLING CONTRACTOR		DRILLER	Located in southwestern portion of property.			
East Coast Geoservices, LLC		Steve McGinn				
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	BORING LOCATION DESCRIPTION			
2.0 inch/Core Barrel		2 inch				
LAND SURFACE ELEVATION		COORDINATES	DRILLING EQUIPMENT/METHOD		SAMPLING METHOD	
Unknown		NA	Power Probe 9600		Core Barrel	
DEPTH OF BORING		DEPTH TO WATER	START/FINISH DATE			BACKFILL
35 feet		Not Encountered	11/1/13 to 11/1/13			Mason Sand
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
0 to 5		Top 0.25 feet brown sandy loam with organics. Top Soil Mid 1.0 feet reddish brown silty sand, trace gravel. Bottom 0.75 feet pale brown fine sand.	ML SC SP	NA	NA	2.0 feet recovered
5						
5 to 10		All pale brown fine sand.	SP	NA	NA	3.0 feet recovered
10						
10 to 15		Top 0.25 feet same as above. Mid 1.0 feet pale brown fine sand. Mid 0.5 feet pale brown silt. Bottom 2.75 feet pale brown fine sand, trace gravel.	SP SP ML SP	NA	NA	4.5 feet recovered
15						
15 to 20		All reddish brown sandy silt to clayey sand, trace gravel.	SM-SC	NA	NA	2.5 feet recovered
20						
20 to 25		All reddish brown sandy silt, trace gravel.	SM	NA	NA	1.0 feet recovered
25						
25 to 30		Top 2.25 feet reddish brown sandy silt to clayey sand. Bottom 0.75 feet white fine sand.	SM-SC SP	NA	NA	3.0 feet recovered
30						
30 to 35		All white fine sand.	SP	NA	NA	4.25 feet recovered
35						Boring Complete
40						
45						
50						



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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-3		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
DRILLING CONTRACTOR		DRILLER	BORING LOCATION DESCRIPTION			
East Coast Geoservices, LLC		Johnathan McGinn	Located in northwestern portion of property.			
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD		SAMPLING METHOD	
2.0 inch/Core Barrel		2 inch	Power Probe 9600		Core Barrel	
LAND SURFACE ELEVATION		COORDINATES	START/FINISH DATE		BACKFILL	
Unknown		NA	9/15/14 to 9/15/14		Mason Sand	
DEPTH OF BORING		DEPTH TO WATER				
20 feet		Not Encountered				
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
0 to 5	0 to 5	Top 0.5 feet dark brown silty loam. Bottom 1.5 feet brown sandy silt, trace gravel.	ML SM	NA	NA	2.0 feet recovered
5						
5 to 10	5 to 10	All reddish brown sandy silt, trace gravel.	SM	NA	NA	5.0 feet recovered
10						
10 to 15	10 to 15	All same as above.	ML	NA	NA	4.0 feet recovered
15						
15 to 20	15 to 20	All same as above.	ML	NA	NA	3.0 feet recovered
20						Boring Complete
25						
30						
35						
40						
45						
50						



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<b>BORING I.D.</b>		<b>PROJECT NO.</b>	<b>PROJECT NAME</b>			
B-4		ECG# 13008	St. Ignatius			
<b>LOGGED BY</b>		<b>APPROVED BY</b>	<b>LOCATION</b>			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
<b>DRILLING CONTRACTOR</b>		<b>DRILLER</b>				
East Coast Geoservices, LLC		Johnathan McGinn				
<b>DRILL BIT DIAMETER/TYPE</b>		<b>BOREHOLE DIAMETER</b>	<b>BORING LOCATION DESCRIPTION</b>			
2.0 inch/Core Barrel		2 inch	Centrally located along the northern property boundary.			
<b>LAND SURFACE ELEVATION</b>		<b>COORDINATES</b>	<b>DRILLING EQUIPMENT/METHOD</b>		<b>SAMPLING METHOD</b>	
Unknown		NA	Power Probe 9600		Core Barrel	
<b>DEPTH OF BORING</b>		<b>DEPTH TO WATER</b>	<b>START/FINISH DATE</b>			<b>BACKFILL</b>
20 feet		Not Encountered	9/15/14 to 9/15/14			Mason Sand
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
	0 to 5	Top 1.0 feet dark brown silty loam. Bottom 3.0 feet yellowish brown sandy silt, trace gravel.	ML SM	NA	NA	4.0 feet recovered
5						
	5 to 10	All yellowish brown silt.	ML	NA	NA	0.5 feet recovered
10						
	10 to 15	All brown silty sand, trace gravel.	SM	NA	NA	5.0 feet recovered
15						
	15 to 20	All same as above.	SM	NA	NA	5.0 feet recovered
20						Boring Complete
25						
30						
35						
40						
45						
50						



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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-5		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
DRILLING CONTRACTOR		DRILLER				
East Coast Geoservices, LLC		Johnathan McGinn				
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	BORING LOCATION DESCRIPTION			
2.0 inch/Core Barrel		2 inch	Located in northeastern portion of property.			
LAND SURFACE ELEVATION		COORDINATES	DRILLING EQUIPMENT/METHOD		SAMPLING METHOD	
Unknown		NA	Power Probe 9600		Core Barrel	
DEPTH OF BORING		DEPTH TO WATER	START/FINISH DATE		BACKFILL	
20 feet		Not Encountered	9/15/14 to 9/15/14		Mason Sand	
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
	0 to 5	All brown silty loam.	ML	NA	NA	0.5 feet recovered
5						
	5 to 10	All brown silt, trace fine sand, trace gravel.	ML	NA	NA	5.0 feet recovered
10						
	10 to 15	All same as above.	ML	NA	NA	3.5 feet recovered
15						
	15 to 20	All grayish brown silt, trace fine sand, trace gravel.	ML	NA	NA	2.0 feet recovered
20						Boring Complete
25						
30						
35						
40						
45						
50						



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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-6		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
DRILLING CONTRACTOR		DRILLER				
East Coast Geoservices, LLC		Johnathan McGinn				
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	BORING LOCATION DESCRIPTION			
2.0 inch/Core Barrel		2 inch	Located in central portion of property.			
LAND SURFACE ELEVATION		COORDINATES	DRILLING EQUIPMENT/METHOD		SAMPLING METHOD	
Unknown		NA	Power Probe 9600		Core Barrel	
DEPTH OF BORING		DEPTH TO WATER	START/FINISH DATE		BACKFILL	
10 feet		Not Encountered	9/15/14 to 9/15/14		Mason Sand	
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
0	0 to 5	Top 0.5 feet brown silty loam. Bottom 0.5 feet yellowish brown fine sand.	ML SP	NA	NA	1.0 feet recovered
5						
5	5 to 10	All brown sandy silty, trace gravel.	SM	NA	NA	2.5 feet recovered
10						
10	10 to 15	Refusal encountered at 10 feet.				
15						Boring Complete
15						
20						
20						
25						
25						
30						
30						
35						
35						
40						
40						
45						
45						
50						
50						





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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-7		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
DRILLING CONTRACTOR		DRILLER	Centrally located along the eastern portion of the property.			
East Coast Geoservices, LLC		Johnathan McGinn				
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	BORING LOCATION DESCRIPTION			
2.0 inch/Core Barrel		2 inch				
LAND SURFACE ELEVATION		COORDINATES	DRILLING EQUIPMENT/METHOD		SAMPLING METHOD	
Unknown		NA	Power Probe 9600		Core Barrel	
DEPTH OF BORING		DEPTH TO WATER	START/FINISH DATE			BACKFILL
20 feet		Not Encountered	9/15/14 to 9/15/14			Mason Sand
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
	0 to 5	Top 0.5 feet brown silty loam. Bottom 3.0 feet fine sand, trace gravel.	ML SP	NA	NA	3.5 feet recovered
5						
	5 to 10	All yellowish brown fine sand, trace gravel.	SP	NA	NA	3.0 feet recovered
10						
	10 to 15	All yellowish brown fine to medium sand, trace gravel.	SP	NA	NA	4.0 feet recovered
15						
	15 to 20	All same as above.	SP	NA	NA	5.0 feet recovered
20						Boring Complete
25						
30						
35						
40						
45						
50						



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<b>BORING I.D.</b>		<b>PROJECT NO.</b>	<b>PROJECT NAME</b>			
B-8		ECG# 13008	St. Ignatius			
<b>LOGGED BY</b>		<b>APPROVED BY</b>	<b>LOCATION</b>			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
<b>DRILLING CONTRACTOR</b>		<b>DRILLER</b>				
East Coast Geoservices, LLC		Johnathan McGinn				
<b>DRILL BIT DIAMETER/TYPE</b>		<b>BOREHOLE DIAMETER</b>	<b>BORING LOCATION DESCRIPTION</b>			
2.0 inch/Core Barrel		2 inch	Located in southeastern portion of property.			
<b>LAND SURFACE ELEVATION</b>		<b>COORDINATES</b>	<b>DRILLING EQUIPMENT/METHOD</b>		<b>SAMPLING METHOD</b>	
Unknown		NA	Power Probe 9600		Core Barrel	
<b>DEPTH OF BORING</b>		<b>DEPTH TO WATER</b>	<b>START/FINISH DATE</b>		<b>BACKFILL</b>	
20 feet		Not Encountered	9/15/14 to 9/15/14		Mason Sand	
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
	0 to 5	Top 0.5 feet brown silty loam. Bottom 3.5 feet yellowish brown fine sand, trace gravel.	ML SP	NA	NA	4.0 feet recovered
5						
	5 to 10	All yellowish brown fine to medium sand, trace gravel.	SP	NA	NA	2.0 feet recovered
10						
	10 to 15	All same as above.	SP	NA	NA	4.0 feet recovered
15						
	15 to 20	All same as above.	SP	NA	NA	2.0 feet recovered
20						Boring Complete
25						
30						
35						
40						
45						
50						



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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-9		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road			
DRILLING CONTRACTOR		DRILLER	North Hills, New York			
East Coast Geoservices, LLC		Johnathan McGinn				
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	BORING LOCATION DESCRIPTION			
2.0 inch/Core Barrel		2 inch	Centrally located in the southern end of the property.			
LAND SURFACE ELEVATION		COORDINATES	DRILLING EQUIPMENT/METHOD		SAMPLING METHOD	
Unknown		NA	Power Probe 9600		Core Barrel	
DEPTH OF BORING		DEPTH TO WATER	START/FINISH DATE		BACKFILL	
20 feet		Not Encountered	9/15/14 to 9/15/14		Mason Sand	
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
	0 to 5	Top 0.5 feet brown silty loam. Bottom 0.5 feet yellowish brown sandy silt, trace gravel.	ML SM	NA	NA	1.0 feet recovered
5						
	5 to 10	All yellowish brown fine sand, trace gravel.	SP	NA	NA	2.0 feet recovered
10						
	10 to 15	All same as above.	SP	NA	NA	4.0 feet recovered
15						
	15 to 20	All same as above.	SP	NA	NA	5.0 feet recovered
20						Boring Complete
25						
30						
35						
40						
45						
50						



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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-10		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
DRILLING CONTRACTOR		DRILLER	Located in the southwestern portion of the property.			
East Coast Geoservices, LLC		Johnathan McGinn				
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	BORING LOCATION DESCRIPTION			
2.0 inch/Core Barrel		2 inch				
LAND SURFACE ELEVATION		COORDINATES	DRILLING EQUIPMENT/METHOD		SAMPLING METHOD	
Unknown		NA	Power Probe 9600		Core Barrel	
DEPTH OF BORING		DEPTH TO WATER	START/FINISH DATE		BACKFILL	
20 feet		Not Encountered	9/15/14 to 9/15/14		Mason Sand	
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
0 to 5	0 to 5	Top 0.5 feet brown silty loam. Mid 0.5 feet yellowish brown silt and broken rock. Bottom 0.5 feet yellowish brown sandy silt, trace gravel.	ML ML SM	NA	NA	1.5 feet recovered
5 to 10	5 to 10	All reddish brown fine sand, trace gravel.	SP	NA	NA	2.5 feet recovered
10 to 15	10 to 15	Top 1.5 feet same as above. Bottom 2.0 feet brown silty clay.	SP CL	NA	NA	3.5 feet recovered
15 to 20	15 to 20	All same as above.	CL	NA	NA	4.0 feet recovered
20 to 25	20 to 25	Top 3.0 feet brown fine sand, trace gravel, trace silt. Bottom 1.0 feet white fine sand.	SP SP	NA	NA	4.0 feet recovered
25 to 30	25 to 30	All fine white sand.	SP	NA	NA	5.0 feet recovered
30 to 35	30 to 35					Boring Complete
35 to 40	35 to 40					
40 to 45	40 to 45					
45 to 50	45 to 50					



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BORING I.D.		PROJECT NO.	PROJECT NAME			
B-11		ECG# 13008	St. Ignatius			
LOGGED BY		APPROVED BY	LOCATION			
Eric Arnesen		Eric Arnesen	251 Searingtown Road North Hills, New York			
DRILLING CONTRACTOR		DRILLER	Centrally located in the western end of the property.			
East Coast Geoservices, LLC		Johnathan McGinn				
DRILL BIT DIAMETER/TYPE		BOREHOLE DIAMETER	BORING LOCATION DESCRIPTION			
2.0 inch/Core Barrel		2 inch				
LAND SURFACE ELEVATION		COORDINATES	DRILLING EQUIPMENT/METHOD		SAMPLING METHOD	
Unknown		NA	Power Probe 9600		Core Barrel	
DEPTH OF BORING		DEPTH TO WATER	START/FINISH DATE			BACKFILL
20 feet		Not Encountered	9/15/14 to 9/15/14			Mason Sand
Sample Depth (feet)	Sample Interval (feet)	Visual Description	Group Symbol	Blow Counts	PID (ppm)	Remarks
	0 to 5	Top 0.5 feet brown silty loam. Bottom 0.5 feet reddish brown sandy silt, trace gravel.	ML SM	NA	NA	2.5 feet recovered
5						
	5 to 10	Top 2.0 feet reddish brown fine sand, trace gravel. Bottom 1.0 feet reddish brown sandy silt, trace gravel.	SP SM	NA	NA	3.0 feet recovered
10						
	10 to 15	All reddish brown sandy silt, trace gravel.	SM	NA	NA	3.0 feet recovered
15						
	15 to 20	Top 0.5 feet brown silty clay, trace gravel. Bottom 1.5 feet brown sandy silt, trace gravel.	SC SM	NA	NA	2.5 feet recovered
20						Boring Complete
25						
30						
35						
40						
45						
50						