DRAWN BY	CHECKED BY	JML	12 MAR 14	GIS FILE NUMBER 13-5054-GIS-A007
KMR	APPROVED BY	EOT	12 MAR 14	
19 FEB 14				



Figure 2-4

Core Barrel in Locked Finishing Position

Prepared for

Florida Power & Light

Miami-Dade County, Florida

Paul C. Rizzo Associates, Inc.
ENGINEERS/CONSULTANTS/CM

DRAWN BY	CHECKED BY	JML	12 MAR 14	GIS FILE NUMBER
KMR	APPROVED BY	EOT	12 MAR 14	13-5054-GIS-A008
19 FEB 14				

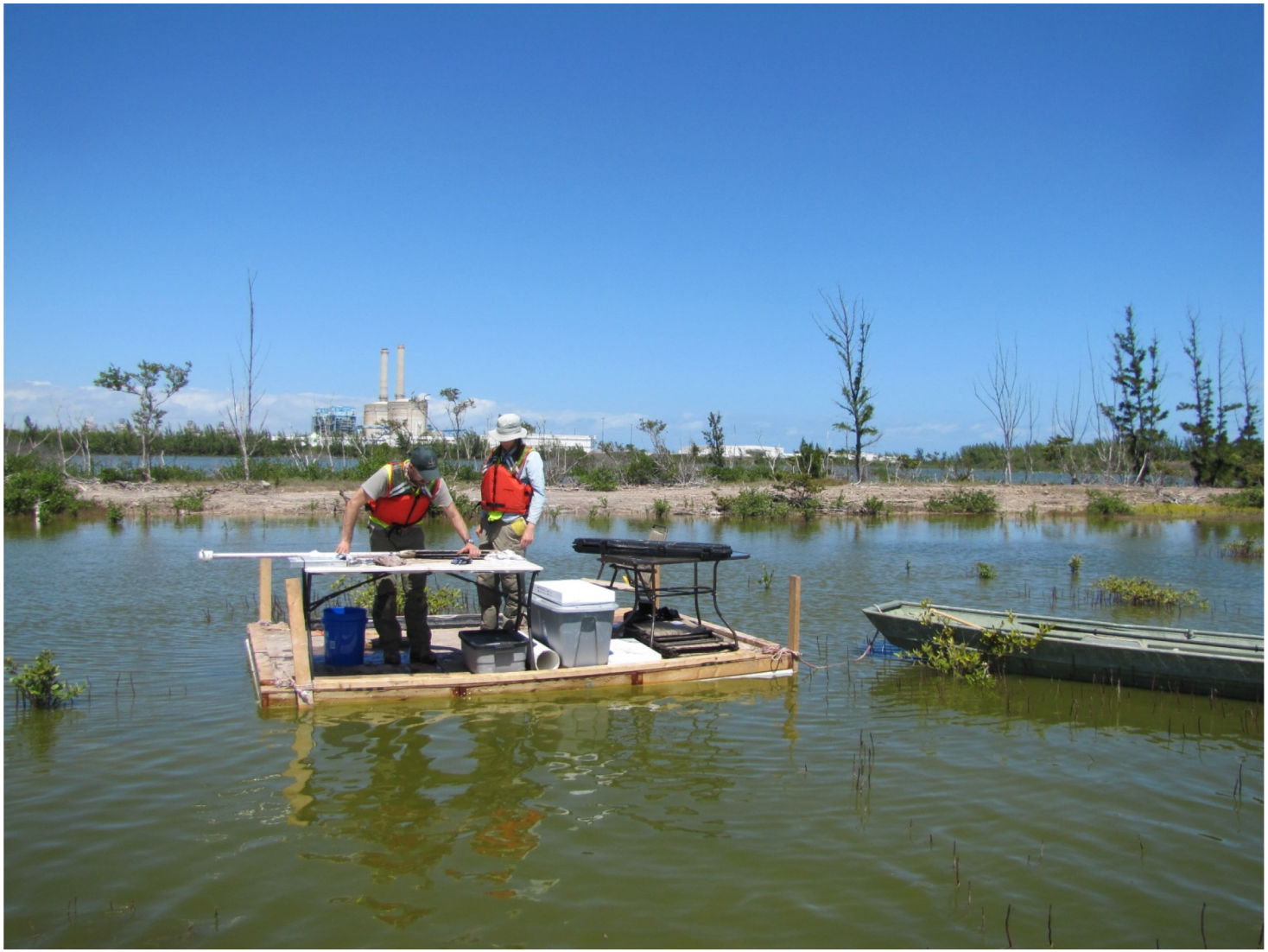


Figure 2-5
Anchored Coring Platform
Prepared for
Florida Power & Light
Miami-Dade County, Florida

Paul C. Rizzo Associates, Inc.
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DRAWN BY	CHECKED BY		GIS FILE NUMBER
KMR	JML	12 MAR 14	13-5054-GIS-A009
19 FEB 14	EOT	12 MAR 14	

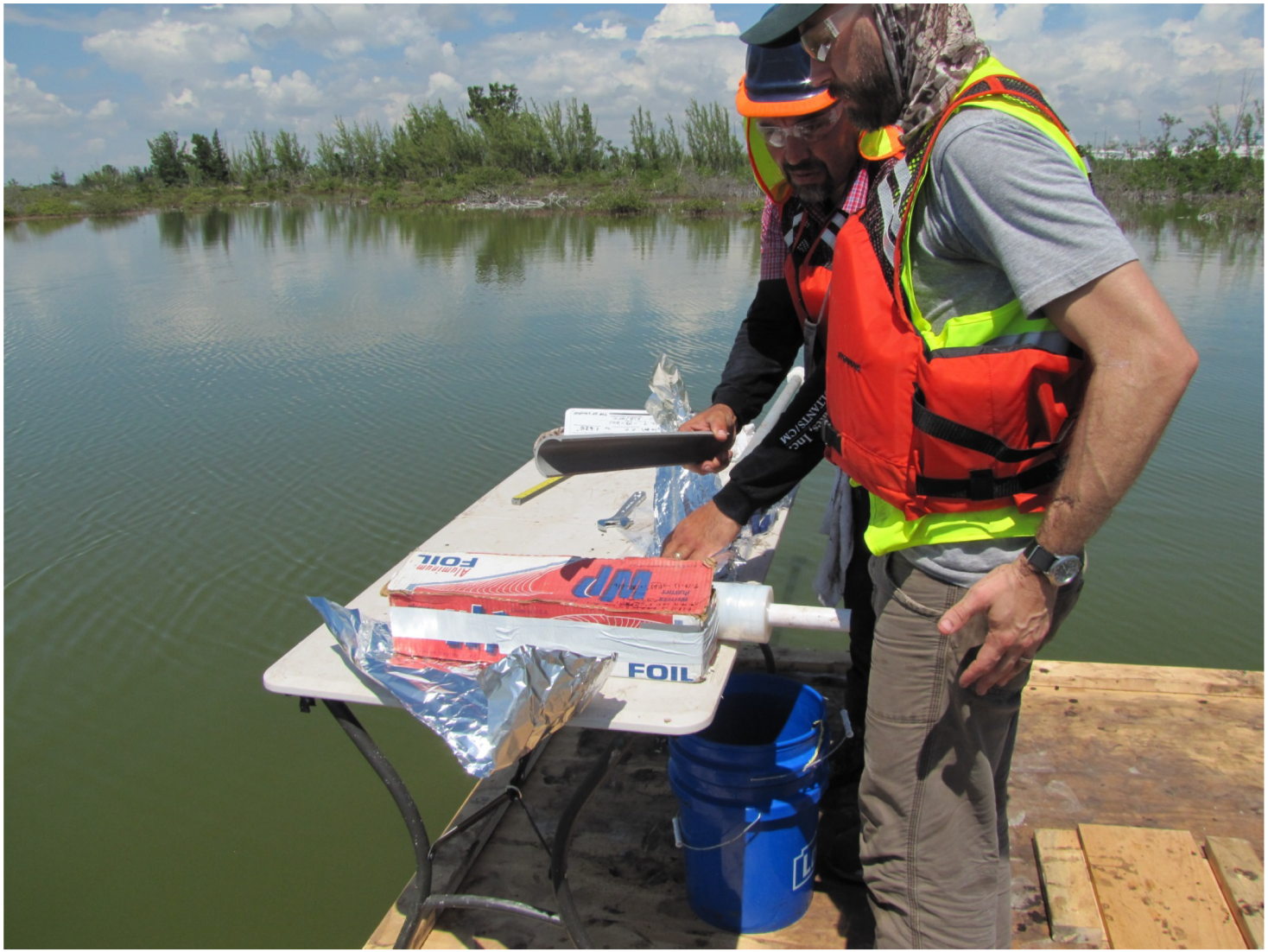


Figure 2-6

Stable Working Surface
On Coring Platform

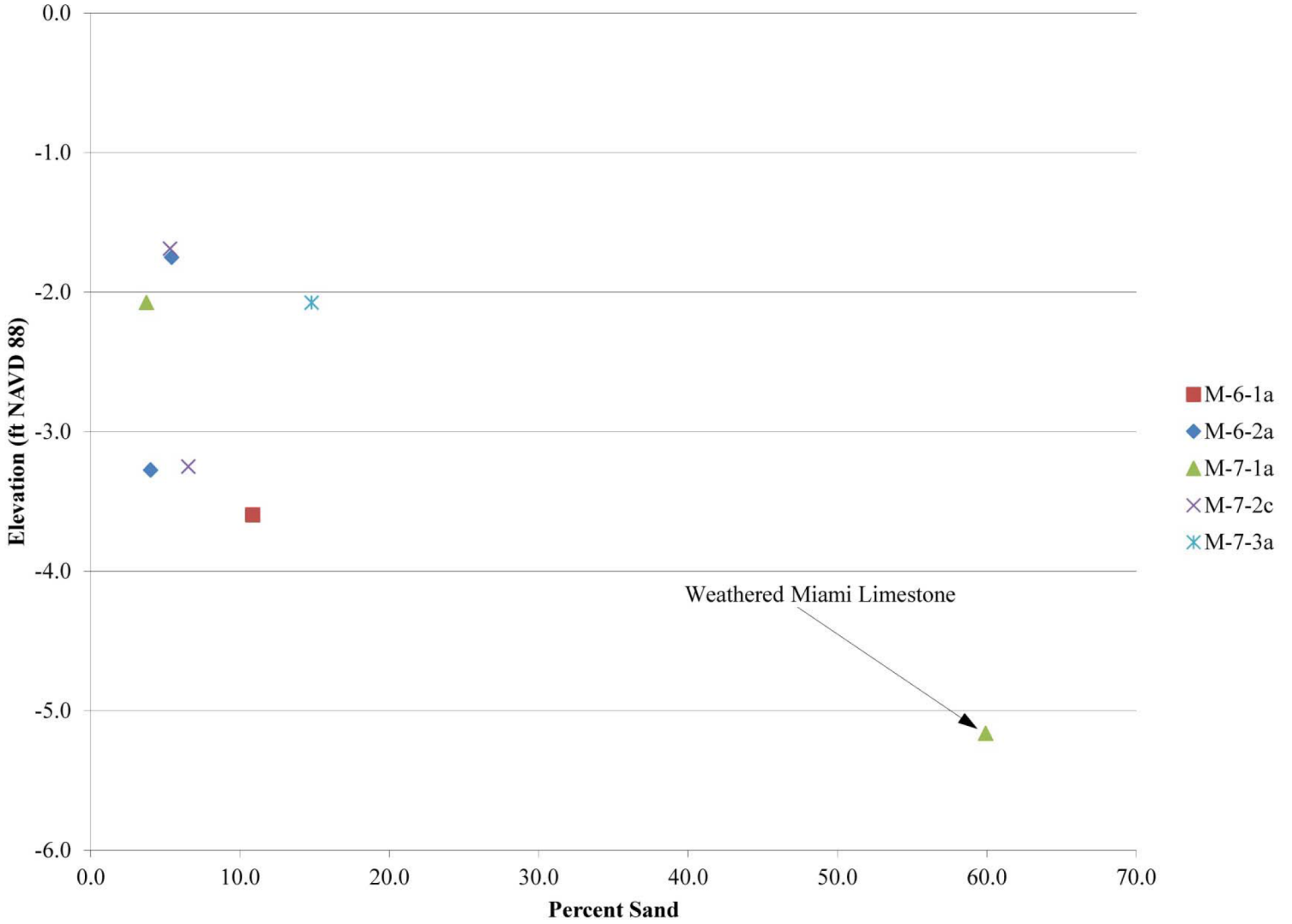
Prepared for

Florida Power & Light

Miami-Dade County, Florida

Paul C. Rizzo Associates, Inc.
ENGINEERS/CONSULTANTS/CM

DRAWN BY	CHECKED BY		JML	12 MAR 14	GIS FILE	13-5054-GIS-A010
KMR	APPROVED BY		EOT	12 MAR 14	NUMBER	
20 FEB 14						



Notes:

1. Sand content (percent by weight) values from ***Table 3-2***, as determined by hydrometer analysis (see Geotechnics, 2013).
2. The depicted sample elevation represents a median value for the sampling interval provided in ***Table 3-2***.

Reference: Geotechnics, 2013, "Laboratory Test Results, Turkey Point Nuclear Power Plant Units 6 & 7, Project Number #13-5054," Revision 2, January 21, 2014.

Figure 3-1
Surface Deposit Sand Content Versus Depth
Prepared for
Florida Power & Light
Miami-Dade County, Florida

Paul C. Rizzo Associates, Inc.
ENGINEERS/CONSULTANTS/CM

APPENDIX 1

FIELD BORING LOGS

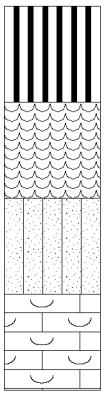
Rev. 3; March 19, 2014

KEY TO SYMBOLS

CLIENT FPL **PROJECT NAME** Turkey Point Units 6 and 7 Site

PROJECT NUMBER 13-5054 **PROJECT LOCATION** Homestead, Florida

LITHOLOGIC SYMBOLS



(MH): Elastic Silt

(PT): Peat

(SM): Silty Sand

GRAINSTONE: Grainstone

Abbreviations

in.	-	Inches.
ft.	-	Feet.
HCl	-	Hydrochloric acid.
ML-1	-	Reference mark on survey stake used to determine elevations on sampling locations.
MP-1	-	Elastic silt, Organic-rich elastic silt and Peat samples.
RC-01	-	Radiocarbon sub-samples.
ST-1	-	Shelby Tube sample.

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Rev. 3; March 19, 2014

Boring M-6-1a

PROJECT NO.: 13-5054
PROJECT: Turkey Point Units 6 and 7 Site

COORDINATES
N. 397160.96 ft E. 877019.73 ft
GROUND SURFACE ELEVATION: -1.32 ft

ELEVATION (Feet)	DEPTH (Feet)	SAMPLE DRIVE NO.	%REC	FRACTURE DENSITY	PROFILE	DESCRIPTION	USCS SYMBOL	REMARKS
						0.0-0.7 ft Water.		Water depth at sampling location was 0.70ft, measured on 9/19/13.
-1.0						0.7-0.9 ft ORGANIC-RICH ELASTIC SILT, soft, 95% fines, medium plasticity, low dry strength, low toughness; greenish gray (5G 6/1), wet, strong HCl reaction, laminated	MH	
	1.0					0.9-1.3 ft ORGANIC-RICH ELASTIC SILT, soft, 95% fines, medium plasticity, low dry strength, low toughness; light olive gray (5Y 6/1) and yellowish gray (5Y 7/2), wet, strong HCl reaction, laminated	MH	
-2.0						1.3-2.25 ft ORGANIC-RICH ELASTIC SILT, plasticity is low to medium, partially mottled and laminated., 90% fines, low dry strength, low toughness; brownish gray (5YR 4/1) and greenish gray (5G 6/1), wet, strong HCl reaction	MH	Repeated sampling in offset boring at same location from 1.825 - 3.55ft depth. Measured depth of water level above ML-1 (reference marker) was 0.50ft, on 9/19/13.
	2.0		100%					
-3.0						2.25-2.65 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately decomposed, non-plastic, organic-rich elastic silt laminae, no reaction to HCl in peat and strong reaction to HCl in organic-rich elastic silt laminae, presence of up to 0.2 inch diameter roots, brownish black (5YR 2/1) with greenish gray (5GY 6/1), wet	PT	RC-02: 2.375 - 2.525ft MP-1: 2.60 - 3.35ft
	3.0					2.65-3.25 ft ORGANIC-RICH ELASTIC SILT, soft, low to medium plasticity, presence of isolated discodial gastropods, max diameter = 0.5 inches, 90% fines, low dry strength, low toughness; yellowish gray (5Y 7/2) and grayish brown (5YR 3/2), wet, strong HCl reaction, laminated	MH	
-4.0						3.25-3.55 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately to strongly decomposed, non-plastic, presence of up to 0.1 inches diameter roots and small fragments of discoidal gastropods, brownish black (5YR 2/1) and dark greenish gray (5G 4/1), wet, no HCl reaction	PT	RC-01: 3.40 - 3.55ft
						---- Bottom of Boring at 3.55 ft.----		

DATE STARTED: 9/19/13
DATE FINISHED: 9/19/13
FIELD GEOLOGIST: Rolando Benitez
CHECKED BY: Jason Lee

DRILLING METHOD: McCauley Sampler
DRILLING CO.

APPROVED BY: MFR

DRILLER:

NOTES:

DRILL RIG:

HAMMER ID:

BORING NO. M-6-1a SHEET 1 OF 1

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Rev. 3; March 19, 2014

Boring M-6-1b

PROJECT NO.: 13-5054
PROJECT: Turkey Point Units 6 and 7 Site

COORDINATES
N. 397117.71 ft E. 877034.98 ft
GROUND SURFACE ELEVATION: -1.27 ft

ELEVATION (Feet)	DEPTH (Feet)	SAMPLE DRIVE NO.	%REC	FRACTURE DENSITY	PROFILE	DESCRIPTION	USCS SYMBOL	REMARKS
						0.0-0.65 ft Water.		Water depth at sampling location was 0.65ft, measured on 9/19/13.
-1.0						0.65-0.8 ft ELASTIC SILT, soft, 95% fines, medium plasticity, low dry strength, low toughness; greenish gray (5G 6/1), wet, strong HCl reaction	MH	
	1.0					0.8-1.2 ft ORGANIC-RICH ELASTIC SILT, soft, 95% fines, medium plasticity, low dry strength, low toughness; light olive gray (5Y 6/1) and yellowish gray (5Y 7/2), wet, strong HCl reaction, laminated	MH	
-2.0						1.2-2.25 ft ORGANIC-RICH ELASTIC SILT, soft, low to medium plasticity, mottled and laminated, 90% fines, low dry strength, low toughness; brownish gray (5YR 4/1) and greenish gray (5G 6/1), wet, strong HCl reaction	MH	
	2.0							Measured depth of water level above ML-1 (reference marker) was 0.50ft, on 9/19/13. MP-1: 2.25 - 2.90ft
-3.0			100%			2.25-3.65 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately to strongly decomposed, non-plastic, organic-rich elastic silt laminae, no reaction to HCl in peat and strong reaction to HCl in organic-rich elastic silt laminae, presence of up to 0.2 inch diameter roots., brownish black (5YR 2/1) with greenish gray (5GY 6/1), wet	PT	
	3.0							RC-01: 3.20 - 3.35ft
-4.0						3.65-3.95 ft GRAINSTONE, calcareous, soft (H6), moderately (W5) weathered, medium sand sized particles, greenish gray (5GY 6/1) and olive gray (5Y 4/1), strong reaction to HCl, moist, oolitic. [Miami Limestone]		
	4.0					---- Bottom of Boring at 3.95 ft.----		

DATE STARTED: 9/19/13
DATE FINISHED: 9/19/13
FIELD GEOLOGIST: Rolando Benitez
CHECKED BY: Jason Lee

DRILLING METHOD: McCauley Sampler
DRILLING CO.

APPROVED BY: MFR

DRILLER:

NOTES:

DRILL RIG:

HAMMER ID:

BORING NO. M-6-1b SHEET 1 OF 1

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Boring M-6-2a

PROJECT NO.: 13-5054
PROJECT: Turkey Point Units 6 and 7 Site

COORDINATES
N. 396691.76 ft E. 876549.80 ft
GROUND SURFACE ELEVATION: -1.30 ft

ELEVATION (Feet)	DEPTH (Feet)	SAMPLE DRIVE NO.	%REC	FRACTURE DENSITY	PROFILE	DESCRIPTION	USCS SYMBOL	REMARKS
-1.0						0.0-0.5 ft Water.		Water depth at sampling location was 0.50ft, measured on 9/20/13.
						0.5-0.8 ft ELASTIC SILT, soft, 95% fines, medium plasticity, low dry strength, low toughness; greenish gray (5G 6/1), wet, strong HCl reaction, laminated	MH	MP-1: 0.7 - 1.2ft
	1.0					0.8-1.45 ft ORGANIC-RICH ELASTIC SILT, soft, peat lamina, 95% fines, medium plasticity, low dry strength, low toughness; yellowish gray (5Y 8/1) and light olive gray (5Y 6/1), wet, strong HCl reaction, laminated	MH	
-2.0								
						1.45-2.42 ft ORGANIC-RICH ELASTIC SILT, soft, low to medium plasticity, partially laminated, 90% fines, low dry strength, low toughness; brownish gray (5YR 4/1) and greenish gray (5G 6/1), wet, strong HCl reaction	MH	Repeated sampling in offset boring at same location from 1.625 - 3.35ft depth.
	2.0		100%					Measured depth of water above ML-1 (reference marker) was 0.32ft, on 9/20/13.
-3.0								MP-2: 2.15 - 2.80ft
						2.42-3.3 ft ORGANIC-RICH ELASTIC SILT, soft, low to medium plasticity, presence of isolated discoidal gastropods, 0.3 inches max diameter, isolated roots, 0.2 inches max diameter, 90% fines, low dry strength, low toughness; grayish orange pink (5YR 7/2) and grayish brown (5YR 3/2), wet, strong HCl reaction, laminated	MH	
	3.0							
-4.0								RC-01: 3.20 - 3.35ft
						3.3-3.35 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately to strongly decomposed, non-plastic, brownish black (5YR 2/1), wet, no HCl reaction	PT	
						---- Bottom of Boring at 3.35 ft.----		

DATE STARTED: 9/20/13
DATE FINISHED: 9/20/13
FIELD GEOLOGIST: Rolando Benitez
CHECKED BY: Jason Lee

DRILLING METHOD: McCauley Sampler
DRILLING CO.

APPROVED BY: MFR

DRILLER:

NOTES:

DRILL RIG:

HAMMER ID:

BORING NO. M-6-2a SHEET 1 OF 1

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Boring M-7-1a

PROJECT NO.: 13-5054
PROJECT: Turkey Point Units 6 and 7 Site

COORDINATES
N. 397495.08 ft E. 875787.83 ft
GROUND SURFACE ELEVATION: -1.15 ft

ELEVATION (Feet)	DEPTH (Feet)	SAMPLE DRIVE NO.	%REC	FRACTURE DENSITY	PROFILE	DESCRIPTION	USCS SYMBOL	REMARKS
-1.0						0.0-0.35 ft Water.		Water depth at sampling location was 0.35ft, measured on 9/20/13.
						0.35-0.5 ft ELASTIC SILT, soft, 95% fines, low dry strength, low toughness; greenish gray (5G 6/1), wet, strong HCl reaction	MH	
						0.5-0.95 ft ORGANIC-RICH ELASTIC SILT, soft, 95% fines, medium plasticity, low dry strength, low toughness; light olive gray (5Y 6/1) and dark greenish gray (5G 4/1), wet, strong HCl reaction, laminated	MH	
	1.0							MP-1: 1.00 - 1.55ft
-2.0						0.95-1.85 ft ORGANIC-RICH ELASTIC SILT, soft, low to medium plasticity, 90% fines, low dry strength, low toughness; grayish orange pink (5YR 7/2), wet, strong HCl reaction, laminated	MH	
	2.0					1.85-2.7 ft ORGANIC-RICH ELASTIC SILT, soft, isolated fragments of discoidal gastropods, 90% fines, low dry strength, low toughness; light olive gray (5Y 6/1) and brownish gray (5YR 4/1), wet, strong HCl reaction, laminated	MH	Measured depth of water level above ML-1 (reference marker) was 0.32ft, on 9/20/13.
-3.0			100%					RC-02: 2.425 - 2.575ft
						2.7-2.85 ft ORGANIC-RICH ELASTIC SILT, soft, isolated fragments of discoidal gastropods and roots, 90% fines, low plasticity, low dry strength, low toughness; brownish gray (5YR 4/1) to brownish black (5YR 2/1), wet, strong HCl reaction, laminated	MH PT	
	3.0						MH	
-4.0						2.85-3.05 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately to strongly decomposed, isolated fragments of discoidal gastropods and roots, brownish black (5YR 2/1), no HCl reaction	PT	
						3.05-3.35 ft ORGANIC-RICH ELASTIC SILT, soft, isolated fragments of discoidal gastropods, 90% fines, low plasticity, low dry strength, low toughness; brownish gray (5YR 4/1) and greenish gray (5G 6/1), wet, strong HCl reaction, laminated		RC-01: 3.90 - 4.05ft
	4.0							MP-2: 4.100 - 4.625ft
-5.0						3.35-3.85 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately to strongly decomposed, non-plastic, brownish black (5YR 2/1), no HCl reaction	SM	
						3.85-4.65 ft SILTY SAND, soft to very soft, oolitic, greenish gray (5G 6/1) and olive gray (5Y 4/1), moist, strong HCl reaction, [Miami Limestone]		
	5.0					---- Bottom of Boring at 4.65 ft.----		
-6.0								

DATE STARTED: 9/20/13
DATE FINISHED: 9/20/13
FIELD GEOLOGIST: Rolando Benitez
CHECKED BY: Jason Lee

DRILLING METHOD: McCauley Sampler
DRILLING CO.

APPROVED BY: MFR

DRILLER:

NOTES:

DRILL RIG:

HAMMER ID:

BORING NO. M-7-1a SHEET 1 OF 1

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Rev. 3; March 19, 2014

Boring M-7-2a

PROJECT NO.: 13-5054
PROJECT: Turkey Point Units 6 and 7 Site

COORDINATES
N. 396951.72 ft E. 875656.19 ft
GROUND SURFACE ELEVATION: -1.07 ft

ELEVATION (Feet)	DEPTH (Feet)	SAMPLE DRIVE NO.	%REC	FRACTURE DENSITY	PROFILE	DESCRIPTION	USCS SYMBOL	REMARKS
-1.0	1.0					0.0-0.45 ft Water.		Water depth at sampling location was 0.45ft, measured on 9/19/13.
						0.45-0.7 ft PEAT, soft, hemic to sapric, high ash, moderately absorbent, moderately decomposed, non-plastic, grayish black (N2) to brownish black (5YR 2/1), wet, no HCl reaction	PT	
-2.0	2.0					0.7-1.0 ft PEAT, soft, sapric, high ash, moderately absorbent, strongly decomposed, non-plastic, grayish black (N2), wet, no HCl reaction	PT	
						1.0-2.0 ft PEAT, soft, hemic to sapric, high ash, moderately absorbent, moderately decomposed, non-plastic, presence of up to 0.3 inch diameter roots, brownish black (5YR 2/1) to grayish black (N2), wet, no HCl reaction		Measured depth of water above ML-1 (reference marker) was 0.50ft, on 9/19/13.
-3.0	3.0					2.0-3.4 ft PEAT, soft, hemic to sapric, high ash, moderately absorbent, moderately decomposed, non-plastic, brownish black (5YR 2/1) to grayish black (N2), wet, no HCl reaction	PT	RC-03: 2.325 - 2.475ft
-4.0	4.0		100%			3.4-3.7 ft PEAT, soft, sapric, high ash, moderately absorbent, strongly decomposed, non-plastic, grayish black (N2), wet, no HCl reaction	PT	
-5.0	5.0					3.7-5.98 ft PEAT, soft, hemic to sapric, high ash, moderately absorbent, moderately decomposed, non-plastic, presence of up to 0.3 inch diameter roots., brownish black (5YR 2/1) to grayish black (N2), wet, no HCl reaction	PT	
-6.0	6.0							RC-02: 5.775 - 5.925ft
						5.98-7.13 ft PEAT, soft, sapric, high ash, moderately absorbent, strongly decomposed, non-plastic, grayish black (N2), wet, no HCl reaction		MP-1: 6.0 - 6.6ft
-7.0	7.0						PT	RC-01: 6.975 - 7.125ft
-8.0	8.0					7.13-7.3 ft GRAINSTONE, calcareous, moderately soft (H5), moderately (W5) weathered, medium sand sized particles, very pale orange (10YR 8/2) and light bluish gray (5B 7/1), strong reaction to HCl, moist, [Miami Limestone]		
						---- Bottom of Boring at 7.30 ft.----		

DATE STARTED: 9/19/13
DATE FINISHED: 9/19/13
FIELD GEOLOGIST: Rolando Benitez
CHECKED BY: Jason Lee

DRILLING METHOD: McCauley Sampler
DRILLING CO.

APPROVED BY: MFR

DRILLER:

NOTES:

DRILL RIG:

HAMMER ID:

BORING NO. M-7-2a SHEET 1 OF 1

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ENGINEERS/CONSULTANTS/CM

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Rev. 3; March 19, 2014

Boring M-7-2b

PROJECT NO.: 13-5054
PROJECT: Turkey Point Units 6 and 7 Site

COORDINATES
N. 396928.33 ft E. 875636.38 ft
GROUND SURFACE ELEVATION: -1.42 ft

ELEVATION (Feet)	DEPTH (Feet)	SAMPLE DRIVE NO.	%REC	FRACTURE DENSITY	PROFILE	DESCRIPTION	USCS SYMBOL	REMARKS
-1.0						0.0-0.5 ft Water.		Water depth at sampling location was 0.50ft, measured on 9/18/13.
-2.0	1.0					0.5-2.43 ft PEAT, soft, hemic to sapric, high ash, moderately absorbent, moderately decomposed, non-plastic, brownish black (5YR 2/1) to grayish black (N2), wet, no HCl reaction	PT	Repeated sampling in offset boring at same location, ST-1 from 0 - 1.775ft. Interval referred to ground surface. RC-06: 1.10 - 1.25ft MP-1: 1.625 - 2.300ft
-3.0	2.0							Measured depth of water above ML-1 (reference marker) was 0.20ft, on 9/18/13.
-4.0	3.0		100%			2.43-4.0 ft PEAT, soft, hemic, high ash, moderately absorbent, moderately decomposed, non-plastic, brownish black (5YR 2/1), wet, no HCl reaction	PT	RC-05: 2.425 - 2.575ft MP-2: 3.35 - 4.10ft
-5.0	4.0					4.0-5.7 ft PEAT, soft, hemic to sapric, high ash, moderately absorbent, moderately decomposed, non-plastic, brownish black (5YR 2/1) to grayish black (N2), wet, no HCl reaction	PT	RC-04: 4.15 - 4.30ft RC-03: 5.375 - 5.525ft
-6.0	5.0							
-7.0	6.0					5.7-6.6 ft PEAT, soft, sapric, high ash, moderately absorbent, moderately decomposed, non-plastic, brownish gray (5YR 4/1), wet, no HCl reaction	PT	RC-02: 5.775 - 5.925ft RC-01: 6.45 - 6.60ft
						---- Bottom of Boring at 6.60 ft.----		

DATE STARTED: 9/18/13
DATE FINISHED: 9/18/13
FIELD GEOLOGIST: Rolando Benitez
CHECKED BY: Jason Lee

DRILLING METHOD: McCauley Sampler
DRILLING CO.

APPROVED BY: MFR

DRILLER:

NOTES:

DRILL RIG:

HAMMER ID:

BORING NO. M-7-2b SHEET 1 OF 1

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Rev. 3; March 19, 2014

Boring M-7-2c

PROJECT NO.: 13-5054
PROJECT: Turkey Point Units 6 and 7 Site

COORDINATES
N. 396897.85 ft E. 875630.22 ft
GROUND SURFACE ELEVATION: -1.15 ft

ELEVATION (Feet)	DEPTH (Feet)	SAMPLE DRIVE NO.	%REC	FRACTURE DENSITY	PROFILE	DESCRIPTION	USCS SYMBOL	REMARKS
-1.0						0.0-0.35 ft Water.		Water depth at sampling location was 0.35ft, measured on 9/20/13.
						0.35-0.5 ft ELASTIC SILT, soft, 95% fines, medium plasticity, low dry strength, low toughness; greenish gray (5G 6/1), wet, strong HCl reaction	MH	
						0.5-0.8 ft ORGANIC-RICH ELASTIC SILT, soft, 95% fines, medium plasticity, low dry strength, low toughness; light olive gray (5Y 6/1) and dark greenish gray (5G 4/1), wet, strong HCl reaction, laminated	MH	Repeated sampling in offset boring at same location, ST-1 from 0 - 1.775ft. Interval referred to ground surface.
	1.0							
-2.0						0.8-1.5 ft ORGANIC-RICH ELASTIC SILT, soft, mottled and laminated, low to medium plasticity, 90% fines, low dry strength, low toughness; light olive gray (5Y 6/1) and brownish gray (5YR 4/1), wet, strong HCl reaction		
						1.5-2.5 ft ORGANIC-RICH ELASTIC SILT, soft, isolated fragments of discoidal gastropods, 90% fines, low plasticity, low dry strength, low toughness; brownish gray (5YR 4/1) and greenish gray (5G 6/1), wet, strong HCl reaction, laminated	MH	
	2.0							
-3.0			100%					Measured depth of water above ML-1 (reference marker) was 0.32ft, on 9/20/13. MP-1: 2.1 - 2.8ft
						2.5-3.6 ft ORGANIC-RICH ELASTIC SILT, soft, isolated fragments of discoidal gastropods, 0.2 inch max diameter, presence of 0.5 inch diameter roots, 90% fines, low plasticity, low dry strength, low toughness; pale brown (5YR 5/2) and brownish gray (5YR 4/1), wet, strong HCl reaction, laminated	MH	
	3.0							
-4.0						3.6-3.9 ft ORGANIC-RICH ELASTIC SILT, soft, isolated fragments of discoidal gastropods, 90% fines, low plasticity, low dry strength, low toughness; brownish gray (5YR 4/1) and greenish gray (5G 6/1), wet, strong HCl reaction, laminated	MH	
	4.0						PT	RC-01: 3.90 - 4.05ft
-5.0						3.9-4.0 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately to strongly decomposed, non-plastic, brownish black (5YR 2/1), no HCl reaction		
						4.0-4.05 ft GRAINSTONE, calcareous, soft (H6), moderately (W5) weathered, medium sand sized particles, greenish gray (5GY 6/1) and olive gray (5Y 4/1), strong reaction to HCl, moist, oolitic. [Miami Limestone]		
						---- Bottom of Boring at 4.05 ft.----		

DATE STARTED: 9/20/13
DATE FINISHED: 9/20/13
FIELD GEOLOGIST: Rolando Benitez
CHECKED BY: Jason Lee

DRILLING METHOD: McCauley Sampler
DRILLING CO.

APPROVED BY: MFR

DRILLER:

NOTES:

DRILL RIG:

HAMMER ID:

BORING NO. M-7-2c SHEET 1 OF 1

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Rev. 3; March 19, 2014

Boring M-7-3a

PROJECT NO.: 13-5054
PROJECT: Turkey Point Units 6 and 7 Site

COORDINATES
N. 396852.38 ft E. 875967.82 ft
GROUND SURFACE ELEVATION: -1.75 ft

ELEVATION (Feet)	DEPTH (Feet)	SAMPLE DRIVE NO.	%REC	FRACTURE DENSITY	PROFILE	DESCRIPTION	USCS SYMBOL	REMARKS
-1.0						0.0-0.95 ft Water.		Water depth at sampling location was 0.95ft, measured on 9/20/13.
	1.0					0.95-1.15 ft ORGANIC-RICH ELASTIC SILT, soft, 95% fines, medium plasticity, low dry strength, low toughness; greenish gray (5G 6/1), wet, strong HCl reaction, laminated	MH	MP-1: 1.00 - 1.55ft
-2.0							MH	
						1.15-1.35 ft CLAYEY SILT, soft, 85% fines, medium plasticity, low dry strength, low toughness; yellowish gray (5Y 8/1) and light olive gray (5Y 6/1), wet, strong HCl reaction	MH	
							PT	
	2.0					1.35-1.55 ft ORGANIC-RICH ELASTIC SILT, soft, isolated discoidal gastropods, 0.2 inch max diameter, 90% fines, low plasticity, low dry strength, low toughness; brownish gray (5YR 4/1) and greenish gray (5G 6/1), wet, strong HCl reaction	MH	Measured depth of water above ML-1 (reference marker) was 0.32ft, on 9/20/13. Repeated sampling in offset boring at same location from 2.125 - 3.85ft depth.
-3.0						1.55-1.73 ft PEAT, soft, hemic to sapric, high ash, moderately absorbent, moderately to strongly decomposed, non-plastic, isolated discoidal gastropods, 0.2 inch max diameter, brownish black (5YR 2/1), wet, no HCl reaction	PT	
			100%					
						1.73-2.18 ft ORGANIC-RICH ELASTIC SILT, soft, isolated discoidal gastropods, 0.2 inch max diameter, 90% fines, low plasticity, low dry strength, low toughness; brownish gray (5YR 4/1) and greenish gray (5G 6/1), wet, strong HCl reaction, laminated	MH	RC-02: 2.825 - 2.975ft
	3.0							
-4.0						2.18-2.62 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately to strongly decomposed, non-plastic, isolated discoidal gastropods, 0.3 inch max diameter and roots, brownish black (5YR 2/1), wet, no HCl reaction	PT	RC-01: 3.275 - 3.425ft
						2.62-3.3 ft ORGANIC-RICH ELASTIC SILT, soft, low to medium plasticity, brownish gray and grayish brown laminae, isolated discoidal gastropods, 0.5 inch max diameter, 90% fines, low dry strength, low toughness; light brownish gray (5YR 6/1) and grayish brown (5YR 3/2), wet, strong HCl reaction, laminated		
	4.0							
-5.0						3.3-3.65 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately to strongly decomposed, non-plastic, brownish black (5YR 2/1), wet, no HCl reaction		
						3.65-3.85 ft GRAINSTONE, calcareous, soft (H6), moderately (W5) weathered, medium sand sized particles, greenish gray (5GY 6/1) and olive gray (5Y 4/1), strong reaction to HCl, moist, Oolitic. [Miami Limestone]		
						---- Bottom of Boring at 3.85 ft.----		

DATE STARTED: 9/20/13
DATE FINISHED: 9/20/13
FIELD GEOLOGIST: Rolando Benitez
CHECKED BY: Jason Lee

DRILLING METHOD: McCauley Sampler
DRILLING CO.

APPROVED BY: MFR

DRILLER:

NOTES:

DRILL RIG:

HAMMER ID:

BORING NO. M-7-3a SHEET 1 OF 1

Paul C. Rizzo Associates, Inc.
ENGINEERS/CONSULTANTS/CM

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Rev. 3; March 19, 2014

Boring M-7-3b

PROJECT NO.: 13-5054
PROJECT: Turkey Point Units 6 and 7 Site

COORDINATES
N. 396903.26 ft E. 876137.69 ft
GROUND SURFACE ELEVATION: -1.22 ft

ELEVATION (Feet)	DEPTH (Feet)	SAMPLE DRIVE NO.	%REC	FRACTURE DENSITY	PROFILE	DESCRIPTION	USCS SYMBOL	REMARKS
-1.0						0.0-0.6 ft Water.		Water depth at sampling location was 0.60ft, measured on 9/19/13.
	1.0					0.6-2.98 ft PEAT, soft, sapric to hemic, high ash, moderately absorbent, moderately decomposed, non-plastic, grayish black (N2) to brownish black (5YR 2/1), wet, no HCl reaction	PT	Measured depth of water above ML-1 (reference marker) was 0.50ft, on 9/19/13.
-2.0								
-3.0	2.0							RC-02: 2.725 - 2.875ft
	3.0		100%			2.98-5.55 ft PEAT, soft, hemic to sapric, high ash, moderately absorbent, moderately decomposed, presence of up to 0.3 inch diameter roots, non-plastic, grayish black (N2) to brownish black (5YR 2/1), wet, no HCl reaction		
-4.0								MP-1: 4.0 - 4.8ft
-5.0	4.0						PT	
	5.0							RC-01: 5.40 - 5.55ft
-6.0						---- Bottom of Boring at 5.55 ft.----		

DATE STARTED: 9/19/13
DATE FINISHED: 9/19/13
FIELD GEOLOGIST: Rolando Benitez
CHECKED BY: Jason Lee

DRILLING METHOD: McCauley Sampler
DRILLING CO.

APPROVED BY: MFR

DRILLER:

NOTES:

DRILL RIG:

HAMMER ID:

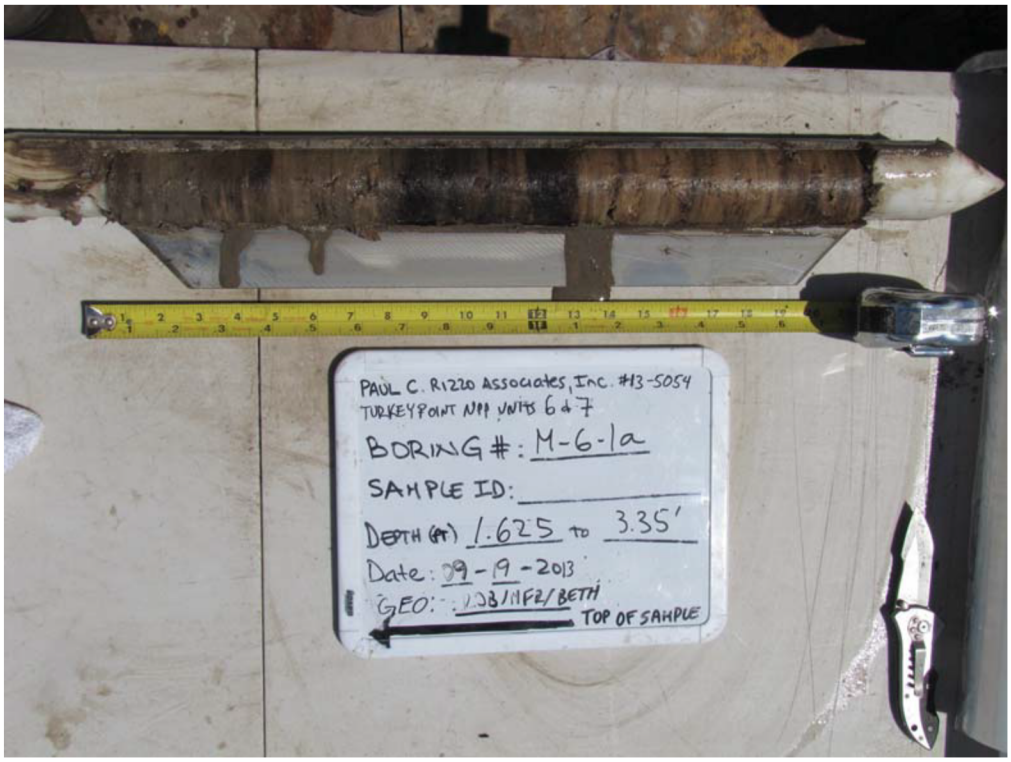
BORING NO. M-7-3b SHEET 1 OF 1

APPENDIX 2

SAMPLE PHOTOGRAPHS



M-6-1a, Depth: 0.0 to 1.625 ft.



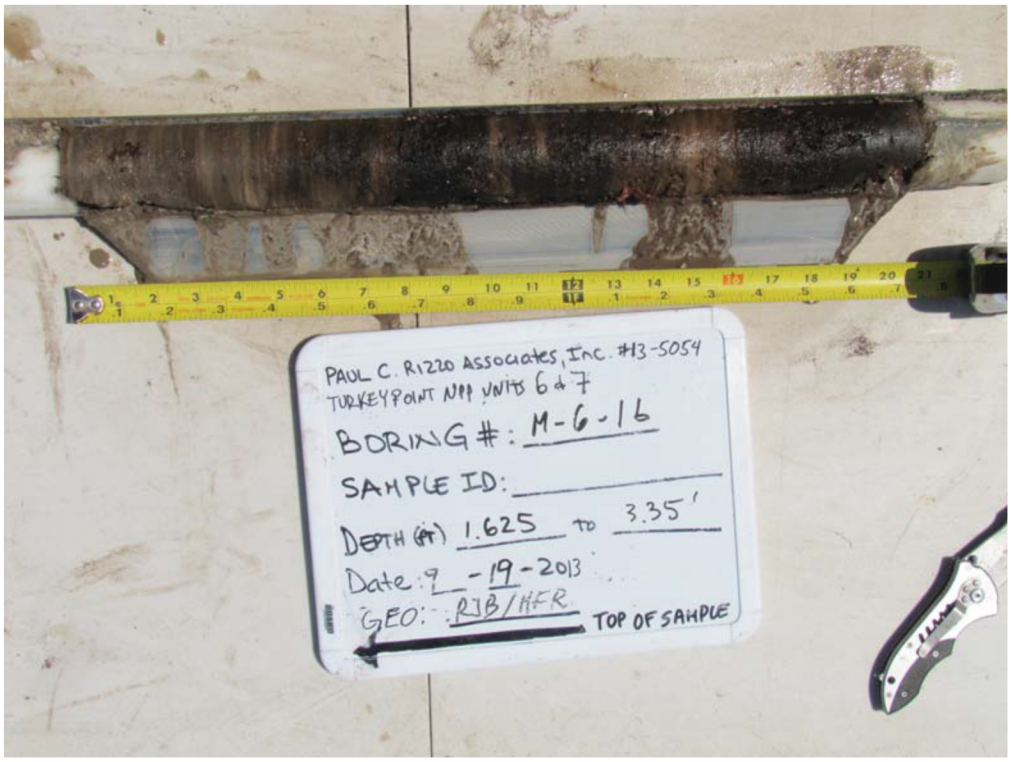
M-6-1a, Depth: 1.625 to 3.350 ft.



M-6-1a (Repeat), Depth: 1.825 to 3.550 ft.



M-6-1b, Depth: 0.0 to 1.625 ft.



M-6-1b, Depth: 1.625 to 3.350 ft.