

## **APPENDICES**

**Appendix A**  
**Sediment Core Logs**



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS
Job#: 35-005	Date: 1/29/15	Time : 0915	Crew: RF	
Coordinates:	N 84213.7	E 419756.5	Vessel: Raritan	
Core # : S-01	Zone: NJ	Datum NAD 83	deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW: 8.0		Core Penetration Length (ft.): 7.0		
Measured Water Depth [MWD][ft.]: 4.2		Recovered Core Length (ft.): 5.5		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]: 1.0		Sample Length Retained (ft.): 4.8		
Corrected Depth @ MLLW[ft.]: 3.2		Core Volume Retained (gal.): 1.2		
Required Sample Core Length [SCL][ft.] : 4.8		Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		

**All Length Measurements are in Decimal Feet**

Sample Interval (ft.)	Sample Id #	Description
Top		
4.0'	20150060	Soft Olive to black silt, firmer with depth
4.8'		Firm Olive grey silt with trace sands
Bottom		

# of containers:	1			Core Volumes	
	Type of container:	bucket	hardliner	cup	other
Water and surface conditions: Calm, Falling Tide		3.0"		.25 gal/ft	
		3.5" 8.0"		.33gal/ft	
Comments: Core halved lengthwise/volume		<input checked="" type="radio"/> 4.0"		.50gal/ft	
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present	Y	<input type="radio"/> N			
Oil Present	Y	<input type="radio"/> N		Push Corer Slambar	
Odor Present	Y	<input type="radio"/> N			
Debris Present	Y	<input type="radio"/> N		Ekman Ponar: Standard / Petite	
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N			
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N		Box Core	

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS	
Job#: 35-005		Date: 1/29/15	Time : 0930	Crew: RF	
Coordinates:	N 84058.1	E 419884.5	Vessel: Raritan		
Core # : S-01a	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 6.0	
Measured Water Depth [MWD][ft.]:			6.4	Recovered Core Length (ft.): 4.5	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			0.9	Sample Length Retained (ft.): 2.5	
Corrected Depth @ MLLW[ft.]:			5.5	Core Volume Retained (gal.): 1.3	
Required Sample Core Length [SCL][ft.]:			2.5	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top 2.5'		20150061		Soft dark olive grey silt firmer with depth	
↓					
Bottom					
# of containers:	1			Core Volumes	
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:	Calm, Low Tide			3.0"	.25 gal/ft
				3.5"	8.0"
				4.0"	.33gal/ft
Comments:					.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other
Live Organisms present	Y	<input type="radio"/> N			
Oil Present	Y	<input type="radio"/> N			Push Corer Slambar
Odor Present	Y	<input type="radio"/> N			
Debris Present	Y	<input type="radio"/> N			Ekman Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N			
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS	
Job#: 35-005		Date: 1/28/15	Time : 1615	Crew: RF	
Coordinates:	N 84221.1	E 420048.4	Vessel: Raritan		
Core # : S-02	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 7.0	
Measured Water Depth [MWD][ft.]:			9.6	Recovered Core Length (ft.): 3.5	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			3.9	Sample Length Retained (ft.): 2.3	
Corrected Depth @ MLLW[ft.]:			5.7	Core Volume Retained (gal.): 1.2	
Required Sample Core Length [SCL][ft.]:			2.3	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top					
1.3'		20150062		Soft black Silt	
2.3'				Dark grey silt with trace fine sands	
Bottom					
# of containers:	1			Core Volumes	
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:	Windy, Cold, Falling Tide			3.0"	EST. Volume
				3.5"	8.0"
Comments:				<input checked="" type="radio"/> 4.0"	.50gal/ft
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present	Y	<input type="radio"/> N			
Oil Present	Y	<input type="radio"/> N		Push Corer	Slambar
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N			
Debris Present	Y	<input type="radio"/> N		Ekman	Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N			
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N		Box Core	

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS
Job#: 35-005	Date: 1/28/15	Time : 1645	Crew: RF	
Coordinates:	N 83896.7	E 420068.4	Vessel: Raritan	
Core # : S-03	Zone: NJ	Datum NAD 83	deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW: 8.0		Core Penetration Length (ft.): 8.0		
Measured Water Depth [MWD][ft.]: 6.5		Recovered Core Length (ft.): 6.0		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]: 3.6		Sample Length Retained (ft.): 5.1		
Corrected Depth @ MLLW[ft.]: 2.9		Core Volume Retained (gal.): 1.2		
Required Sample Core Length [SCL][ft.] : 5.1		Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		

**All Length Measurements are in Decimal Feet**

Sample Interval (ft.)	Sample Id #	Description
Top		
1.0'	20150063	Dark olive-grey sandy silt
5.1'		Dark olive-grey silty fine sand
Bottom		

# of containers:	1				Core Volumes		
	Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions: Windy, Cold, Falling Tide					3.0"	.25 gal/ft	
					3.5"	8.0"	.33gal/ft
Comments: Core halved lengthwise/volume					<input checked="" type="radio"/> 4.0"	.50gal/ft	
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present	Y	<input type="radio"/> N			Push Corer	Slambar	
Oil Present	Y	<input type="radio"/> N					
Odor Present	Y	<input type="radio"/> N					
Debris Present	Y	<input type="radio"/> N			Ekman	Ponar: Standard / Petite	
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N					
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core		



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS
Job#: 35-005	Date: 1/29/15	Time : 1030	Crew: RF	
Coordinates:	N 83585.3	E 419375.3	Vessel: Raritan	
Core # : S-04	Zone: NJ	Datum NAD 83	deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW: 8.0		Core Penetration Length (ft.): 6.0		
Measured Water Depth [MWD][ft.]: 5.0		Recovered Core Length (ft.): 4.2		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]: 0.6		Sample Length Retained (ft.): 3.6		
Corrected Depth @ MLLW[ft.]: 4.4		Core Volume Retained (gal.): 1.8		
Required Sample Core Length [SCL][ft.] : 3.6		Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		

**All Length Measurements are in Decimal Feet**

Sample Interval (ft.)	Sample Id #	Description
Top		
1.5'	20150064	Dark olive-grey silt
3.6'		Olive grey silt firmer with depth
Bottom		

# of containers:	1				Core Volumes		
	Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions:		Calm, Low Tide			3.0"	.25 gal/ft	
					3.5"	8.0"	.33gal/ft
Comments:					4.0"	.50gal/ft	
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present	Y	<input type="radio"/> N			Push Corer	Slambar	
Oil Present	Y	<input type="radio"/> N			Ekman	Ponar: Standard / Petite	
Odor Present	Y	<input type="radio"/> N			Box Core		
Debris Present	Y	<input type="radio"/> N					
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N					
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N					



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons			Logger: MS	
Job#: 35-005		Date: 1/29/15	Time : 1020		Crew: RF	
Coordinates:		N 83451.7	E 419679.3		Vessel: Raritan	
Core # : S-05		Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.):		5.0
Measured Water Depth [MWD][ft.]:			6.2	Recovered Core Length (ft.):		3.8
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			0.6	Sample Length Retained (ft.):		2.4
Corrected Depth @ MLLW[ft.]:			5.6	Core Volume Retained (gal.):		1.2
Required Sample Core Length [SCL][ft.] :			2.4	Collected to Project Depth:		<input checked="" type="radio"/> Y <input type="radio"/> N
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top						
1.6'		20150065		Black to dark olive-grey silt		
2.4'				Olive-grey silt with trace fine sands		
↓						
Bottom						
# of containers:		1			Core Volumes	
Type of container:		bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:		Calm, Low Tide			3.0"	.25 gal/ft
					3.5"	8.0"
Comments: Sulfur odor					<input checked="" type="radio"/> 4.0"	.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present		Y	<input type="radio"/> N			
Oil Present		Y	<input type="radio"/> N	Push Corer		
Odor Present		<input checked="" type="radio"/> Y	<input type="radio"/> N	Slambar		
Debris Present		Y	<input type="radio"/> N	Ekman		
Within 10% of Req'd Core Length		<input checked="" type="radio"/> Y	<input type="radio"/> N	Ponar: Standard / Petite		
Photo		<input checked="" type="radio"/> Y	<input type="radio"/> N	Box Core		
<small>MLLW #rr ver 041609</small>						



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS	
Job#: 35-005		Date: 1/29/15		Time : 1000	
Coordinates: N 83220.0		E 419590.8		Vessel: Raritan	
Core # : S-05a		Zone: NJ Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW: 8.0		Core Penetration Length (ft.): 6.5			
Measured Water Depth [MWD][ft.]: 4.1		Recovered Core Length (ft.): 5.5			
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]: 0.7		Sample Length Retained (ft.): 4.6			
Corrected Depth @ MLLW[ft.]: 3.4		Core Volume Retained (gal.): 1.2			
Required Sample Core Length [SCL][ft.] : 4.6		Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N			
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top					
1.6'		20150066		Organic debris with olive-grey silt	
2.2'				Small gravel with coarse sands and olive silt	
3.4'				Olive grey sandy silt	
4.6'				Grey fine sands	
Bottom					
# of containers: 1				Core Volumes	
Type of container: bucket		hardliner cup other		Nominal core-barrel diameter EST. Volume	
Water and surface conditions: Calm, Low Tide				3.0" .25 gal/ft	
				3.5" 8.0" .33gal/ft	
Comments: Core halved lengthwise/volume				4.0" .50gal/ft	
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 Other	
Live Organisms present		Y <input checked="" type="radio"/> N			
Oil Present		Y <input checked="" type="radio"/> N		Push Corer Slambar	
Odor Present		Y <input checked="" type="radio"/> N			
Debris Present		<input checked="" type="radio"/> Y <input type="radio"/> N		Ekman Ponar: Standard / Petite	
Within 10% of Req'd Core Length		<input checked="" type="radio"/> Y <input type="radio"/> N			
Photo		<input checked="" type="radio"/> Y <input type="radio"/> N		Box Core	
MLLW #rr ver 041609					



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons			Logger: MS	
Job#: 35-005		Date: 1/29/15		Time : 1215		Crew: RF
Coordinates:		N 82216.1		E 418326.5		Vessel: Raritan
Core # : S-06		Zone: NJ Datum NAD 83			deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW: 8.0				Core Penetration Length (ft.): 9.0		
Measured Water Depth [MWD][ft.]: 3.3				Recovered Core Length (ft.): 6.6		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]: 1.3				Sample Length Retained (ft.): 6.0		
Corrected Depth @ MLLW[ft.]: 2.0				Core Volume Retained (gal.): 1.5		
Required Sample Core Length [SCL][ft.] : 6.0				Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top		20150067		Dark olive-grey silt firmer with depth		
5.5'						
6.0'				Grey fine sand		
↓						
Bottom						
# of containers:		1		Core Volumes		
Type of container:		bucket		Nominal core-barrel diameter		EST. Volume
		hardliner		3.0"		.25 gal/ft
		cup		3.5" 8.0"		.33gal/ft
		other		4.0"		.50gal/ft
Water and surface conditions: Calm, Rising Tide						
Comments: Core halved lengthwise/volume						
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present		Y		<input checked="" type="radio"/> N		
Oil Present		Y		<input checked="" type="radio"/> N		
Odor Present		Y		<input checked="" type="radio"/> N		
Debris Present		Y		<input checked="" type="radio"/> N		
Within 10% of Req'd Core Length		<input checked="" type="radio"/> Y		<input type="radio"/> N		
Photo		<input checked="" type="radio"/> Y		<input type="radio"/> N		
				Push Corer		Slambar
				Ekman		Ponar: Standard / Petite
				Box Core		
MLLW #rr ver 041609						



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons			Logger: MS	
Job#: 35-005		Date: 1/29/15	Time : 1200		Crew: RF	
Coordinates:	N 81955.1	E 418527.6		Vessel: Raritan		
Core # : S-07	Zone: NJ Datum NAD 83		deploy: 1			
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW: 8.0			Core Penetration Length (ft.): 5.5			
Measured Water Depth [MWD][ft.]: 6.6			Recovered Core Length (ft.): 3.0			
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]: 1.2			Sample Length Retained (ft.): 2.6			
Corrected Depth @ MLLW[ft.]: 5.4			Core Volume Retained (gal.): 1.3			
Required Sample Core Length [SCL][ft.]: 2.6			Collected to Project Depth:		<input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top 2.6'		20150068		Dark olive-grey silt firmer with depth		
↓						
Bottom						
# of containers:	1				Core Volumes	
	Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:	Calm, Rising Tide					EST. Volume
					3.0"	.25 gal/ft
					3.5" 8.0"	.33gal/ft
Comments:					<input checked="" type="radio"/> 4.0"	.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present	Y	<input type="radio"/> N			Push Corer	Slambar
Oil Present	Y	<input type="radio"/> N				
Odor Present	Y	<input type="radio"/> N				
Debris Present	Y	<input type="radio"/> N			Ekman	Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core	

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons			Logger: MS	
Job#: 35-005		Date: 1/29/15	Time : 1130	Crew: RF		
Coordinates:	N 82011.9	E 418756.8		Vessel: Raritan		
Core # : S-08	Zone: NJ	Datum NAD 83		deploy: 1 2		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:		8.0	Core Penetration Length (ft.):		3.0 3.0	
Measured Water Depth [MWD][ft.]:		7.2	Recovered Core Length (ft.):		1.7 1.8	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:		0.9	Sample Length Retained (ft.):		1.7 1.7	
Corrected Depth @ MLLW[ft.]:		6.3	Core Volume Retained (gal.):		1.7 (Total)	
Required Sample Core Length [SCL][ft.] :		1.7	Collected to Project Depth:		<input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top 1.7'		20150069		Soft dark olive silt firmer with depth		
↓						
Bottom						
# of containers:	1				Core Volumes	
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions:		Rising tide			3.0"	.25 gal/ft
					3.5"	8.0"
					4.0"	.33gal/ft
Comments: 2 cores taken for volume (put into 1 bucket). Sulfur Odor					4.0"	.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present	Y	<input type="radio"/> N				
Oil Present	Y	<input type="radio"/> N			Push Corer <input type="radio"/> Slambar	
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Debris Present	Y	<input type="radio"/> N			Ekman <input type="radio"/> Ponar: Standard / Petite	
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core	
MLLW #rr ver 041609						



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS	
Job#: 35-005		Date: 1/29/15	Time : 1300	Crew: RF	
Coordinates:	N 81027.1	E 416895.0	Vessel: Raritan		
Core # : S-09	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 7.8	
Measured Water Depth [MWD][ft.]:			5.8	Recovered Core Length (ft.): 4.5	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			1.9	Sample Length Retained (ft.): 4.1	
Corrected Depth @ MLLW[ft.]:			3.9	Core Volume Retained (gal.): 1.0	
Required Sample Core Length [SCL][ft.] :			4.1	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N	

**All Length Measurements are in Decimal Feet**

Sample Interval (ft.)	Sample Id #	Description
Top 1.7'	20150071	Soft olive-grey silt firmer with depth
3.0'		Olive-grey silty sand
4.1'		Grey fine sand
Bottom		

# of containers:	1			Core Volumes		
	Type of container:	bucket	hardliner	cup	other	
Water and surface conditions:		Calm, Rising tide			3.0"	.25 gal/ft
					3.5"	8.0"
					4.0"	.50gal/ft
Comments: Core halved lengthwise/volume. Sulfur Odor					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	

Live Organisms present	Y	<input type="radio"/> N	
Oil Present	Y	<input type="radio"/> N	Push Corer Slambar
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N	
Debris Present	Y	<input type="radio"/> N	Ekman Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N	
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N	Box Core



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS		
Job#: 35-005		Date: 1/29/15	Time : 1315	Crew: RF		
Coordinates:	N 81059.8	E 417157.9	Vessel: Raritan			
Core # : S-10	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 7.0		
Measured Water Depth [MWD][ft.]:			5.8	Recovered Core Length (ft.): 4.8		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			2.1	Sample Length Retained (ft.): 4.3		
Corrected Depth @ MLLW[ft.]:			3.7	Core Volume Retained (gal.): 1.2		
Required Sample Core Length [SCL][ft.] :			4.3	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top						
1.5'		20150072		Soft olive-grey silt firmer with depth		
4.3'				Olive-grey sandy silt		
Bottom						
# of containers:	1				Core Volumes	
	bucket	hardliner	cup	other	Nominal core-barrel diameter EST. Volume	
Water and surface conditions:	Calm, Rising tide				3.0"	.25 gal/ft
					3.5"	8.0"
					4.0"	.50gal/ft
Comments: Core halved lengthwise/volume					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present	Y	<input type="radio"/> N				
Oil Present	Y	<input type="radio"/> N			Push Corer	Slambar
Odor Present	Y	<input type="radio"/> N				
Debris Present	Y	<input type="radio"/> N			Ekman	Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core	

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons			Logger: MS	
Job#: 35-005		Date: 1/29/15	Time : 1330	Crew: RF		
Coordinates:		N 80878.4	E 417239.1	Vessel: Raritan		
Core # : S-10a		Zone: NJ Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.):		6.0
Measured Water Depth [MWD][ft.]:			7.2	Recovered Core Length (ft.):		4.0
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			2.4	Sample Length Retained (ft.):		3.2
Corrected Depth @ MLLW[ft.]:			4.8	Core Volume Retained (gal.):		1.6
Required Sample Core Length [SCL][ft.] :			3.2	Collected to Project Depth:		<input checked="" type="radio"/> Y <input type="radio"/> N
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top		3.2'		20150073		Soft dark olive-grey silt firmer with depth
↓						
Bottom						
# of containers:		1			Core Volumes	
Type of container:		bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:		Calm, Rising tide			3.0"	.25 gal/ft
					3.5"	8.0"
					4.0"	.33gal/ft
Comments:					4.0"	.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present		Y	<input type="radio"/> N			
Oil Present		Y	<input type="radio"/> N	Push Corer		
Odor Present		Y	<input type="radio"/> N	Slambar		
Debris Present		Y	<input type="radio"/> N	Ekman		
Within 10% of Req'd Core Length		<input checked="" type="radio"/> Y	<input type="radio"/> N	Ponar: Standard / Petite		
Photo		<input checked="" type="radio"/> Y	<input type="radio"/> N	Box Core		
MLLW #r ver 041609						



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS	
Job#: 35-005		Date: 1/29/15	Time : 1400	Crew: RF	
Coordinates:		N 80215.9	E 417563.0	Vessel: Raritan	
Core # : S-11	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 6.5	
Measured Water Depth [MWD][ft.]:			7.1	Recovered Core Length (ft.): 3.7	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			2.8	Sample Length Retained (ft.): 3.1	
Corrected Depth @ MLLW[ft.]:			4.9	Core Volume Retained (gal.): 1.6	
Required Sample Core Length [SCL][ft.] :			3.1	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top					
0.4'		20150074		Soft olive silt	
3.1'				Olive grey silty sand	
Bottom					
# of containers:		1			
Type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Calm, Rising tide			Core Volumes
					Nominal core-barrel
					diameter
					EST. Volume
					3.0" .25 gal/ft
					3.5" 8.0" .33gal/ft
					4.0" .50gal/ft
Comments:					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N	Push Corer Slambar	
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N	Ekman Ponar: Standard / Petite	
Within 10% of Req'd Core Length		<input checked="" type="radio"/> Y	<input type="radio"/> N		
Photo		<input checked="" type="radio"/> Y	<input type="radio"/> N	Box Core	

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: KS		
Job#: 35-005		Date: 1/29/15	Time : 1520	Crew: JK		
Coordinates:	N 79739.7	E 415827.2	Vessel: Schyukill			
Core # : S-12	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 10.0		
Measured Water Depth [MWD][ft.]:			6.8	Recovered Core Length (ft.): 6.8		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			3.5	Sample Length Retained (ft.): 4.7		
Corrected Depth @ MLLW[ft.]:			3.3	Core Volume Retained (gal.): 2.3		
Required Sample Core Length [SCL][ft.]:			4.7	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top 4.7'		20150075		Blackish, dark grey silt, firmer with depth		
↓						
Bottom						
# of containers:	1			Core Volumes		
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions:		Overcast, Calm, Rising tide		3.0"	.25 gal/ft	
				3.5"	8.0"	.33gal/ft
Comments:				4.0"		.50gal/ft
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present	Y	<input type="radio"/> N				
Oil Present	Y	<input type="radio"/> N		Push Corer	Slambar	
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Debris Present	Y	<input type="radio"/> N		Ekman	Ponar: Standard / Petite	
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N		Box Core		
						MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: KS		
Job#: 35-005		Date: 1/29/15	Time : 1549	Crew: JK		
Coordinates:	N 79509.2	E 416335.0	Vessel: Schyukill			
Core # : S-13	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 9.7		
Measured Water Depth [MWD][ft.]:			6.4	Recovered Core Length (ft.): 7.2		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			3.7	Sample Length Retained (ft.): 5.3		
Corrected Depth @ MLLW[ft.]:			2.7	Core Volume Retained (gal.): 2.0		
Required Sample Core Length [SCL][ft.] :			5.3	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top		5.3'		20150076		
↓				Fine grey silty sand		
Bottom						
# of containers:	1			Core Volumes		
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions:	Overcast, Calm, Slack tide			3.0"	.25 gal/ft	
				3.5"	8.0"	.33gal/ft
Comments:				<input checked="" type="radio"/> 4.0"		.50gal/ft
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present	Y	<input type="radio"/> N				
Oil Present	Y	<input type="radio"/> N			Push Corer	Slambar
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Debris Present	Y	<input type="radio"/> N			Ekman	Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core	

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS	
Job#: 35-005		Date: 1/29/15	Time : 1537	Crew: RF	
Coordinates:	N 78534.0	E 415289.4	Vessel: Raritan		
Core # : S-14	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 4.5	
Measured Water Depth [MWD][ft.]:			9.0	Recovered Core Length (ft.): 2.6	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			3.6	Sample Length Retained (ft.): 2.6	
Corrected Depth @ MLLW[ft.]:			5.4	Core Volume Retained (gal.): 1.3	
Required Sample Core Length [SCL][ft.]:			2.6	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top 2.6'		20150077		Dark grey silt (soft)	
↓					
Bottom					
# of containers:	1			Core Volumes	
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:	Calm, Rising Tide			3.0"	EST. Volume .25 gal/ft
				3.5"	8.0" .33gal/ft
Comments:				4.0"	.50gal/ft
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present	Y	<input type="radio"/> N			
Oil Present	Y	<input type="radio"/> N		Push Corer	Slambar
Odor Present	Y	<input type="radio"/> N			
Debris Present	Y	<input type="radio"/> N		Ekman	Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N			
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N		Box Core	
MLLW #rr ver 041609					



## AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS	
Job#: 35-005		Date: 1/29/15	Time : 1530	Crew: RF	
Coordinates:	N 78860.7	E 415609.7	Vessel: Raritan		
Core # : S-15	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:		8.0	Core Penetration Length (ft.):		4.0
Measured Water Depth [MWD][ft.]:		9.5	Recovered Core Length (ft.):		2.5
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:		3.6	Sample Length Retained (ft.):		2.1
Corrected Depth @ MLLW[ft.]:		5.9	Core Volume Retained (gal.):		1.1
Required Sample Core Length [SCL][ft.] :		2.1	Collected to Project Depth:		(Y) N
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top 2.1'		20150078		Soft dark grey silt	
↓					
Bottom					
# of containers:	1			Core Volumes	
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:	Calm, Rising Tide				EST. Volume
					3.0" .25 gal/ft
					3.5" 8.0" .33gal/ft
Comments:					(4.0") .50gal/ft
					Liner Type: (Soft) Hard
					Vibracorer: (P3) P5 VT6 Other
Live Organisms present	Y	(N)			
Oil Present	Y	(N)			Push Corer Slambar
Odor Present	Y	(N)			
Debris Present	Y	(N)			Ekman Ponar: Standard / Petite
Within 10% of Req'd Core Length	(Y)	N			
Photo	(Y)	N			Box Core
<small>MLLW #rr ver 041609</small>					



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons			Logger: KS	
Job#: 35-005		Date: 1/30/15	Time : 1106		Crew: JK	
Coordinates:		N 78275.6	E 414999.6		Vessel: Schyukill	
Core # : S-16		Zone: NJ Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.):		10.0
Measured Water Depth [MWD][ft.]:			0.9	Recovered Core Length (ft.):		7.4
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			0.8	Sample Length Retained (ft.):		7.4
Corrected Depth @ MLLW[ft.]:			0.1	Core Volume Retained (gal.):		3.7
Required Sample Core Length [SCL][ft.] :			7.9	Collected to Project Depth:		<input checked="" type="radio"/> Y <input type="radio"/> N
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top						
3.4'		20150082a		Grey silty sand, fine sand		
7.4'		20150082b		Grey to light grey fine sand		
Bottom						
# of containers:		2		Core Volumes		
Type of container:		<input type="checkbox"/> bucket <input type="checkbox"/> hardliner <input type="checkbox"/> cup <input type="checkbox"/> other		Nominal core-barrel diameter		EST. Volume
Water and surface conditions: Sunny, Windy, Low Tide				3.0"		.25 gal/ft
				3.5"		8.0" .33gal/ft
Comments: Location was offset about 50 feet because the water was too shallow to get any closer.				4.0"		.50gal/ft
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present		Y	<input type="radio"/> N	Push Corer		Slambar
Oil Present		Y	<input type="radio"/> N	Ekman		Ponar: Standard / Petite
Odor Present		<input checked="" type="radio"/> Y	<input type="radio"/> N	Box Core		
Debris Present		Y	<input type="radio"/> N			
Within 10% of Req'd Core Length		<input checked="" type="radio"/> Y	<input type="radio"/> N			
Photo		<input checked="" type="radio"/> Y	<input type="radio"/> N			
MLLW #rr ver 041609						



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: KS
Job#: 35-005	Date: 1/30/15	Time : 1141	Crew: JK	
Coordinates:	N 78464.1	E 414557.8	Vessel: Schyukill	
Core # : S-16a	Zone: NJ	Datum NAD 83	deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW: 8.0		Core Penetration Length (ft.): 9.0		
Measured Water Depth [MWD][ft.]: 2.8		Recovered Core Length (ft.): 6.7		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]: 0.7		Sample Length Retained (ft.): 5.9		
Corrected Depth @ MLLW[ft.]: 2.1		Core Volume Retained (gal.): 1.5		
Required Sample Core Length [SCL][ft.] : 5.9		Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		

### All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 5.9' Bottom	20150083	Fine, grey sand to lighter grey sand with depth

# of containers:	1				Core Volumes		
	Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions:		Partly cloudy, windy, Low Tide				3.0"	.25 gal/ft
						3.5" 8.0"	.33gal/ft
Comments: Core halved lengthwise for volume						4.0"	.50gal/ft
Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard							
Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other							
Live Organisms present	Y	<input type="radio"/> N					
Oil Present	Y	<input type="radio"/> N		Push Corer	Slambar		
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N					
Debris Present	Y	<input type="radio"/> N		Ekman	Ponar: Standard / Petite		
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N					
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N		Box Core			



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: KS	
Job#: 35-005		Date: 1/30/15	Time : 1032	Crew: JK	
Coordinates:	N 77955.8	E 415351.2	Vessel: Schyukill		
Core # : S-16b	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 10.0	
Measured Water Depth [MWD][ft.]:			1.3	Recovered Core Length (ft.): 7.2	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			1.0	Sample Length Retained (ft.): 7.2	
Corrected Depth @ MLLW[ft.]:			0.3	Core Volume Retained (gal.): 1.8	
Required Sample Core Length [SCL][ft.] :			7.7	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top 7.2'		20150084		Grey to lighter grey with depth, fine silty sand	
↓					
Bottom					
# of containers:	1			Core Volumes	
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:	Partly Cloudy, Windy, Falling Tide			3.0"	EST. Volume .25 gal/ft
				3.5"	8.0" .33gal/ft
Comments: Core halved lengthwise for volume				4.0"	.50gal/ft
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present	Y	<input checked="" type="radio"/> N		Push Corer	Slambar
Oil Present	Y	<input checked="" type="radio"/> N			
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N		Ekman	Ponar: Standard / Petite
Debris Present	Y	<input checked="" type="radio"/> N			
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N		Box Core	
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			
MLLW #rr ver 041609					



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: KS	
Job#: 35-005		Date: 1/30/15	Time : 0920	Crew: JK	
Coordinates:	N 77766.4	E 415786.0	Vessel: Schyukill		
Core # : S-17	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 9.4	
Measured Water Depth [MWD][ft.]:			5.2	Recovered Core Length (ft.): 6.9	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			1.8	Sample Length Retained (ft.): 4.6	
Corrected Depth @ MLLW[ft.]:			3.4	Core Volume Retained (gal.): 2.2	
Required Sample Core Length [SCL][ft.] :			4.6	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top 4.6'		20150079		Soft dark grey silt, firmer with depth	
↓					
Bottom					
# of containers:	1			Core Volumes	
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:	Partly Cloudy, Windy, Falling Tide				EST. Volume
					3.0" .25 gal/ft
					3.5" 8.0" .33gal/ft
Comments:					<input checked="" type="radio"/> 4.0" .50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other
Live Organisms present	Y	<input type="radio"/> N			
Oil Present	Y	<input type="radio"/> N			Push Corer Slambar
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N			
Debris Present	Y	<input type="radio"/> N			Ekman Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N			
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core
<small>MLLW #rr ver 041609</small>					



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: KS		
Job#: 35-005		Date: 1/30/15	Time : 1005	Crew: JK		
Coordinates:	N 78747.6	E 416556.1	Vessel: Schyukill			
Core # : S-17a	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 6.5		
Measured Water Depth [MWD][ft.]:			6.3	Recovered Core Length (ft.): 3.8		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			1.2	Sample Length Retained (ft.): 2.9		
Corrected Depth @ MLLW[ft.]:			5.1	Core Volume Retained (gal.): 1.4		
Required Sample Core Length [SCL][ft.]:			2.9	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top 2.9		20150080		Soft dark grey silt, firmer with depth		
↓						
Bottom						
# of containers:	1			Core Volumes		
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions:		Partly Cloudy, Windy, Falling Tide		3.0"		.25 gal/ft
				3.5"	8.0"	.33gal/ft
Comments:				4.0"		.50gal/ft
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present	Y	<input checked="" type="radio"/> N				
Oil Present	Y	<input checked="" type="radio"/> N		Push Corer		Slambar
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N		Ekman		Ponar: Standard / Petite
Debris Present	Y	<input checked="" type="radio"/> N				
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N				
				Box Core		

MLLW #tr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: KS		
Job#: 35-005		Date: 1/30/15	Time : 0946	Crew: JK		
Coordinates:	N 78264.8	E 416010.5	Vessel: Schyukill			
Core # : S-18	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 8.0		
Measured Water Depth [MWD][ft.]:			5.8	Recovered Core Length (ft.): 5.2		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			1.4	Sample Length Retained (ft.): 3.6		
Corrected Depth @ MLLW[ft.]:			4.4	Core Volume Retained (gal.): 1.8		
Required Sample Core Length [SCL][ft.] :			3.6	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top 3.6		20150081		Soft dark grey silt, firmer with depth		
↓						
Bottom						
# of containers:	1			Core Volumes		
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions:	Mostly Cloudy, Windy, Falling Tide			3.0"	.25 gal/ft	
				3.5"	8.0"	.33gal/ft
Comments:				<input checked="" type="radio"/> 4.0"	.50gal/ft	
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present	Y	<input type="radio"/> N			Push Corer	Slambar
Oil Present	Y	<input type="radio"/> N				
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Debris Present	Y	<input type="radio"/> N			Ekman	Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core	
MLLW #rr ver 041609						



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons			Logger: MS	
Job#: 35-005		Date: 1/30/15	Time : 1105	Crew: RF		
Coordinates:		N 76899.4	E 415353.2	Vessel: Raritan		
Core # : S-19		Zone: NJ Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.):		6.8
Measured Water Depth [MWD][ft.]:			3.5	Recovered Core Length (ft.):		5.7
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			0.8	Sample Length Retained (ft.):		5.3
Corrected Depth @ MLLW[ft.]:			2.7	Core Volume Retained (gal.):		1.3
Required Sample Core Length [SCL][ft.] :			5.3	Collected to Project Depth:		<input checked="" type="radio"/> Y <input type="radio"/> N
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top		2.6'		20150085		
↓				Dark olive-grey silt		
4.7'				Olive-grey sandy silt		
5.0'				Olive-grey sand		
5.3'				Light grey sand		
Bottom						
# of containers:		1			Core Volumes	
Type of container:		bucket	hardliner	cup	Nominal core-barrel	
Water and surface conditions:		Windy falling low tide			diameter EST. Volume	
					3.0" .25 gal/ft	
					3.5" 8.0" .33gal/ft	
Comments: Core halved lengthwise/volume					<input checked="" type="radio"/> 4.0" .50gal/ft	
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present		Y	<input type="radio"/> N	Push Corer Slambar		
Oil Present		Y	<input type="radio"/> N			
Odor Present		Y	<input type="radio"/> N			
Debris Present		Y	<input type="radio"/> N	Ekman Ponar: Standard / Petite		
Within 10% of Req'd Core Length		<input checked="" type="radio"/> Y	<input type="radio"/> N			
Photo		<input checked="" type="radio"/> Y	<input type="radio"/> N	Box Core		

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS		
Job#: 35-005		Date: 1/30/15	Time : 1050	Crew: RF		
Coordinates:	N 76498.4	E 415356.3	Vessel: Raritan			
Core # : S-20	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 8.0		
Measured Water Depth [MWD][ft.]:			4.3	Recovered Core Length (ft.): 5.8		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			0.9	Sample Length Retained (ft.): 4.6		
Corrected Depth @ MLLW[ft.]:			3.4	Core Volume Retained (gal.): 1.2		
Required Sample Core Length [SCL][ft.] :			4.6	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top 4.6'		20150086		Dark olive-grey silt firmer with depth		
↓						
Bottom						
# of containers:	1			Core Volumes		
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions: Falling low tide				3.0"	.25 gal/ft	
				3.5"	8.0"	.33gal/ft
Comments: Core halved lengthwise/volume				<input checked="" type="radio"/> 4.0"	.50gal/ft	
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present	Y	<input type="radio"/> N				
Oil Present	Y	<input type="radio"/> N		Push Corer		Slambar
Odor Present	Y	<input type="radio"/> N				
Debris Present	Y	<input type="radio"/> N		Ekman		Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N		Box Core		

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS		
Job#: 35-005		Date: 1/30/15	Time : 1130	Crew: RF		
Coordinates:	N 77334.9	E 415287.8	Vessel: Raritan			
Core # : S-21	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 5.0		
Measured Water Depth [MWD][ft.]:			6.7	Recovered Core Length (ft.): 3.5		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			0.7	Sample Length Retained (ft.): 2.0		
Corrected Depth @ MLLW[ft.]:			6.0	Core Volume Retained (gal.): 1.0		
Required Sample Core Length [SCL][ft.]:			2.0	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top		0.7'		20150087		
↓				Soft dark olive grey silt		
2.0'				Olive grey sand with some silt		
↓						
↓						
↓						
↓						
↓						
↓						
Bottom						
# of containers:	1				Core Volumes	
	bucket	hardliner	cup	other	Nominal core-barrel diameter EST. Volume	
Water and surface conditions:	Low tide				3.0"	.25 gal/ft
					3.5"	8.0" .33gal/ft
Comments: Location moved to west for shallower water					<input checked="" type="radio"/> 4.0"	.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present	Y	<input type="radio"/> N			Push Corer	Slambar
Oil Present	Y	<input type="radio"/> N				
Odor Present	Y	<input type="radio"/> N				
Debris Present	Y	<input type="radio"/> N			Ekman	Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core	

MLLW #rr ver 041609



## AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS	
Job#: 35-005		Date: 1/30/15		Time : 1030	
Coordinates:		N 76067.0		E 415091.4	
Core # : S-22		Zone: NJ Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:		8.0		Core Penetration Length (ft.): 8.0	
Measured Water Depth [MWD][ft.]:		4.3		Recovered Core Length (ft.): 6.0	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:		1.0		Sample Length Retained (ft.): 4.7	
Corrected Depth @ MLLW[ft.]:		3.3		Core Volume Retained (gal.): 1.1	
Required Sample Core Length [SCL][ft.] :		4.7		Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top		4.0'		20150088	
↓				Dark olive grey silt firmer with depth	
4.7'				Light grey fine sand	
Bottom					
# of containers:		1		Core Volumes	
Type of container:		<input type="checkbox"/> bucket <input type="checkbox"/> hardliner <input type="checkbox"/> cup <input type="checkbox"/> other		Nominal core-barrel	
Water and surface conditions:		Falling low tide		diameter      EST. Volume	
				3.0"      .25 gal/ft	
				3.5"    8.0"    .33gal/ft	
Comments: Core halved lengthwise/volume				4.0"      .50gal/ft	
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present		Y		<input type="radio"/> N	
Oil Present		Y		<input type="radio"/> N	
Odor Present		Y		<input type="radio"/> N	
Debris Present		Y		<input type="radio"/> N	
Within 10% of Req'd Core Length		<input checked="" type="radio"/> Y		<input type="radio"/> N	
Photo		<input checked="" type="radio"/> Y		<input type="radio"/> N	
				Push Corer      Slambar	
				Ekman      Ponar: Standard / Petite	
				Box Core	
MLLW #rr ver 041609					



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS		
Job#: 35-005		Date: 1/30/15	Time : 1004	Crew: RF		
Coordinates:	N 75549.4	E 414480.0	Vessel: Raritan			
Core # : S-23	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 8.5		
Measured Water Depth [MWD][ft.]:			1.9	Recovered Core Length (ft.): 5.8		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			1.2	Sample Length Retained (ft.): 5.8		
Corrected Depth @ MLLW[ft.]:			0.7	Core Volume Retained (gal.): 1.4		
Required Sample Core Length [SCL][ft.] :			7.3	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top						
2.0'		20150089		Olive grey silt with some sand		
4.2'				Olive grey silty sand		
5.0'				Olive grey silt with some sand		
5.8'				Light grey fine sand		
Bottom						
# of containers:	1			Core Volumes		
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions: Falling tide				3.0"	.25 gal/ft	
				3.5"	8.0"	.33gal/ft
Comments: Core halved lengthwise/volume				<input checked="" type="radio"/> 4.0"	.50gal/ft	
Location too shallow, close as possible				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present	Y	<input type="radio"/> N				
Oil Present	Y	<input type="radio"/> N		Push Corer		Slambar
Odor Present	Y	<input type="radio"/> N				
Debris Present	Y	<input type="radio"/> N		Ekman		Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N		Box Core		

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS	
Job#: 35-005		Date: 1/30/15	Time : 0945	Crew: RF	
Coordinates:	N 76179.7	E 414724.9	Vessel: Raritan		
Core # : S-24	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:		8.0	Core Penetration Length (ft.):		4.0
Measured Water Depth [MWD][ft.]:		7.2	Recovered Core Length (ft.):		2.0
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:		1.2	Sample Length Retained (ft.):		2.0
Corrected Depth @ MLLW[ft.]:		6.0	Core Volume Retained (gal.):		1.0
Required Sample Core Length [SCL][ft.] :		2.0	Collected to Project Depth:		(Y) N

### All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 1.2'	20150090	Olive grey sand with some silt and some shells
2.0'		Light grey fine sand
Bottom		

# of containers:	1				Core Volumes	
	Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:		Windy, Falling tide			3.0"	.25 gal/ft
					3.5"	8.0" .33gal/ft
Comments:					(4.0")	.50gal/ft
					Liner Type: (Soft) Hard	
					Vibracorer: (P3) P5 VT6 Other	

Live Organisms present	Y	(N)	
Oil Present	Y	(N)	Push Corer
Odor Present	Y	(N)	Slambar
Debris Present	Y	(N)	Ekman
Within 10% of Req'd Core Length	(Y)	N	Ponar: Standard / Petite
Photo	(Y)	N	Box Core



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS
Job#: 35-005	Date: 1/30/15	Time : 0930	Crew: RF	
Coordinates:	N 75919.8	E 414526.3	Vessel: Raritan	
Core # : S-25	Zone: NJ	Datum NAD 83	deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW: 8.0		Core Penetration Length (ft.): 3.5		
Measured Water Depth [MWD][ft.]: 7.8		Recovered Core Length (ft.): 2.0		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]: 1.8		Sample Length Retained (ft.): 2.0		
Corrected Depth @ MLLW[ft.]: 6.0		Core Volume Retained (gal.): 1.0		
Required Sample Core Length [SCL][ft.]: 2.0		Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		

### All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 2.0'	20150091	Grey sand with some shells
Bottom		

# of containers:	1				Core Volumes	
	Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:		Calm, Falling tide			3.0"	.25 gal/ft
					3.5"	8.0" .33gal/ft
Comments:					4.0"	.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	

Live Organisms present	Y	<input type="radio"/> N	Push Corer	Slambar
Oil Present	Y	<input type="radio"/> N	Ekman	Ponar: Standard / Petite
Odor Present	Y	<input type="radio"/> N	Box Core	
Debris Present	Y	<input type="radio"/> N		
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N		
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N		



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS		
Job#: 35-005		Date: 1/30/15	Time : 0915	Crew: RF		
Coordinates:	N 75643.7	E 414170.5	Vessel: Raritan			
Core # : S-26	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 3.0		
Measured Water Depth [MWD][ft.]:			7.8	Recovered Core Length (ft.): 2.0		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			1.8	Sample Length Retained (ft.): 2.0		
Corrected Depth @ MLLW[ft.]:			6.0	Core Volume Retained (gal.): 1.0		
Required Sample Core Length [SCL][ft.]:			2.0	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top 2.0'		20150092		Grey sand with some silt and shells		
↓						
Bottom						
# of containers:	1			Core Volumes		
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions:	Windy, Falling tide			3.0"	.25 gal/ft	
				3.5"	8.0"	.33gal/ft
Comments:				<input checked="" type="radio"/> 4.0"	.50gal/ft	
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present	Y	<input type="radio"/> N			Push Corer	Slambar
Oil Present	Y	<input type="radio"/> N			Ekman	Ponar: Standard / Petite
Odor Present	Y	<input type="radio"/> N			Box Core	
Debris Present	Y	<input type="radio"/> N				
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N				

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: MS		
Job#: 35-005		Date: 1/29/15	Time : 1110	Crew: RF		
Coordinates:	N 82611.6	E 418591.4	Vessel: Raritan			
Core # : S-27	Zone: NJ	Datum NAD 83		deploy: 1		
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 8.0		
Measured Water Depth [MWD][ft.]:			3.4	Recovered Core Length (ft.): 6.1		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			0.8	Sample Length Retained (ft.): 5.4		
Corrected Depth @ MLLW[ft.]:			2.6	Core Volume Retained (gal.): 2.7		
Required Sample Core Length [SCL][ft.]:			5.4	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		
<b>All Length Measurements are in Decimal Feet</b>						
Sample Interval (ft.)		Sample Id #		Description		
Top						
1.0'		20150070		Dark grey olive silt		
2.0'				Olive grey silt with trace sands		
3.0'				Olive grey silt with trace sand and some organic (root) material		
5.4'				Fine grey sands		
Bottom						
# of containers:	2			Core Volumes		
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions:	Calm, rising tide			3.0"	.25 gal/ft	
				3.5"	8.0"	.33gal/ft
Comments: Sample separated at 3', distinct stratification				<input checked="" type="radio"/> 4.0"	.50gal/ft	
A=0-3', B=3'-5.4'				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present	Y	<input type="radio"/> N			Push Corer	Slambar
Oil Present	Y	<input type="radio"/> N				
Odor Present	Y	<input type="radio"/> N			Ekman	Ponar: Standard / Petite
Debris Present	Y	<input type="radio"/> N				
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N				
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core	

MLLW #rr ver 041609



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: KS
Job#: 35-005	Date: 1/29/15	Time : 1338	Crew: JK	
Coordinates:	N 80245.5	E 416258.3	Vessel: Schyukill	
Core # : S-28	Zone: NJ	Datum NAD 83	deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW: 8.0		Core Penetration Length (ft.): 9.5		
Measured Water Depth [MWD][ft.]: 2.9		Recovered Core Length (ft.): 7.8		
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]: 2.5		Sample Length Retained (ft.): 7.6		
Corrected Depth @ MLLW[ft.]: 0.4		Core Volume Retained (gal.): 3.5		
Required Sample Core Length [SCL][ft.]: 7.6		Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N		

**All Length Measurements are in Decimal Feet**

Sample Interval (ft.)	Sample Id #	Description
Top		
2.9'	20150093a	Dark grey silty sand
7.6'	20150093b	Light grey sand
Bottom		

# of containers: 2					Core Volumes	
	bucket	hardliner	cup	other	Nominal core-barrel diameter	EST. Volume
Water and surface conditions: Overcast, Calm, rising tide					3.0"	.25 gal/ft
Comments:					3.5" 8.0"	.33gal/ft
					<input checked="" type="radio"/> 4.0"	.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other	

Live Organisms present	Y	<input type="radio"/> N	
Oil Present	Y	<input type="radio"/> N	Push Corer Slambar
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N	Ekman Ponar: Standard / Petite
Debris Present	Y	<input type="radio"/> N	
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N	Box Core
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N	



# AQUA SURVEY, INC.

## SEDIMENT CORE LOG

Client : Ocean & Coastal Consultants		Project : Stone Harbor Lagoons		Logger: KS	
Job#: 35-005		Date: 1/29/15	Time : 1442	Crew: JK	
Coordinates:	N 79071.0	E 415028.4	Vessel: Schyukill		
Core # : S-29	Zone: NJ	Datum NAD 83		deploy: 1	
Project Depth (incl. 2 ft. overdepth) [PD] [ft.] MLLW:			8.0	Core Penetration Length (ft.): 10.0	
Measured Water Depth [MWD][ft.]:			4.9	Recovered Core Length (ft.): 6.9	
Tide Adjust [TA] (+/- ft. from MLLW)[ft.]:			3.3	Sample Length Retained (ft.): 6.4	
Corrected Depth @ MLLW[ft.]:			1.6	Core Volume Retained (gal.): 1.6	
Required Sample Core Length [SCL][ft.] :			6.4	Collected to Project Depth: <input checked="" type="radio"/> Y <input type="radio"/> N	
<b>All Length Measurements are in Decimal Feet</b>					
Sample Interval (ft.)		Sample Id #		Description	
Top		0.7'		20150094	
↓				Dark grey sandy silt	
		1.7'			
				Dark grey fine silty sand	
		2.6'			
				Grey silty sand	
		6.4'			
				Light grey sand	
Bottom					
# of containers:	1			Core Volumes	
Type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:	Overcast, Calm, rising tide			3.0"	EST. Volume
				3.5"	8.0" .33gal/ft
Comments: Core halved lengthwise for volume				<input checked="" type="radio"/> 4.0"	.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard
					Vibracorer: <input checked="" type="radio"/> P3 <input type="radio"/> P5 <input type="radio"/> VT6 <input type="radio"/> Other
Live Organisms present	Y	<input type="radio"/> N			
Oil Present	Y	<input type="radio"/> N			Push Corer Slambar
Odor Present	<input checked="" type="radio"/> Y	<input type="radio"/> N			
Debris Present	Y	<input type="radio"/> N			Ekman Ponar: Standard / Petite
Within 10% of Req'd Core Length	<input checked="" type="radio"/> Y	<input type="radio"/> N			
Photo	<input checked="" type="radio"/> Y	<input type="radio"/> N			Box Core

MLLW #rr ver 041609