

APEX	

/\				BURING LUG					
Project:		New E	Bedford H	Harbor Project No: 6690.013	N: 2696460				
Location	;	CAD3 E: 815755							
Mudline	Elevatio	n (MLL	_W): -7.0	feet					
Casing T			racore	core Total Boring Depth: 5.4' Boring No: A-CAD3A-2011-					
Vibracor	e Dia:	4"		Recovery Length Vibracore: 5.4'					
Drill Co:		Apex		Method: Vibracore	Sheet: 1 of 1				
Driller:		JER/C	CAS/RM	Log By: CAS					
Depth Below Mudline (Feet)		tr.	2	Descripti	SECTION OF THE PROPERTY OF THE				
th B	val	Blow Count	/Rec	(Color, Texture,	Structure)	ark			
Dep Mud (Fee	Interval (Feet)	Blow	Pen/Rec (Feet)	Trace < 10%, Little 10% to 20%, Some	20% to 35%, And 35% to 50%	Remarks			
0.3	0-0.3	N/A		Black and a CUT and about back limbs	5d				
0.5	0-0.3	IN/A		Black organic SILT, some shell hash, little	line sand.				
0.9	0.3-0.9	N/A		Black organic SILT, little shell hash, little fi	ne sand.				
			5.4/5.4						
3.3	0.9-3.3	N/A		Light gray SILT, trace shell hash, trace fine	sand				
0.0	0.0 0.0	13773		Light gray SiL1, trace shell hash, trace line sand.					
5.4	3.3-5.4	N/A		Light gray SILT, trace shell hash, trace fine sand.					
						_			
	"								
					-				
,	66 3								
	10 9								
	40 3								
				1		—			
Comments	S:								

Sample	Date:	8/3/11
		Walter St. St.

4	9		
A	\supset	E	X

Project: New Bedford Harbor Project No: 6690.013 Location: CAD3						6690.013	N: 2696713 E: 815801			
Mudline	Elevatio	n (MLL	_W): -6.8	feet						
Casing T	уре:	N/A		Total Bori	ng Depth: 9.0'		Boring No: A-CAD3A-2011-V	C2		
Vibracor	e Dia:	2"		Recovery	Length Peat C	orer: 9.0'				
Drill Co:		Apex	Cos.	Method:	Russian Peat	Corer	Sheet: 1 of 1			
Driller:		JER/C	AS/RM	Log By:	CAS					
Depth Below Mudline (Feet)	Interval (Feet)	Blow Count	Pen/Rec (Feet)			Description (Color, Texture, Str 10% to 20%, Some 20	ucture) % to 35%, And 35% to 50%	Remarks		
			bii.							
0.8	0-0.8	N/A		Black organ	nic SILT, trace fine	sand, trace shell	hash.			
1.7	0.8-1.7	N/A		Dark grey a	rk grey and dense organic SILT, trace fine sand.					
3.0	1.7-3.0	N/A	9.0/9.0	Light grey o	organic SILT, trace	shell hash.				
6.6	3.0-6.6	N/A	9.0/9.0	Light grey o	organic SILT.					
7.8	6.6-7.8	N/A		Light grey o	organic SILT.					
9.0	7.8-9.0	N/A		Light grey o	organic SILT.					
	2									
			L.	E				_		

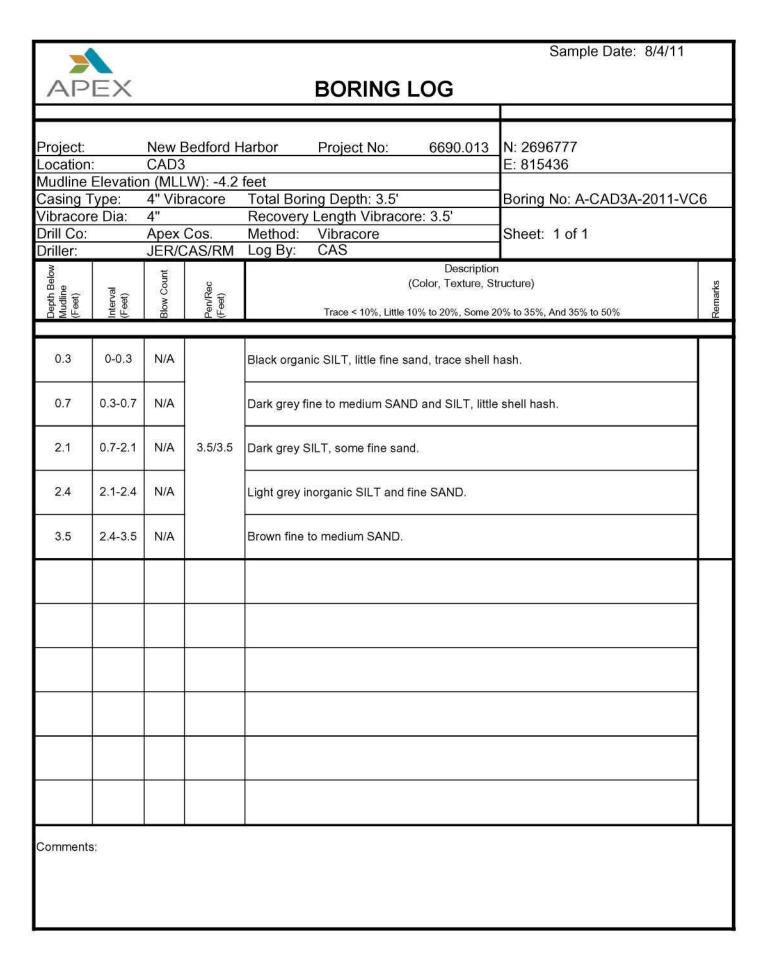
Comments:

Sediment at this sample location was soft and loose and sampling with the vibracore was not feasible. Sample was washing out of the 4-inch vibracore; therefore, peat-core samples were collected at 3-foot intervals to 9 feet below mudline.

							Sample Date: 8/3/11	
AP	EX				BORING	LOG		
						3		
Project: Location					i.			
			_W): -6.2 f		8 00000 00 0000000			1000-00-00
Casing 7			racore		ing Depth: 7.0'		Boring No: A-CAD3A-2011-VC	23
Vibracor		4"			Length Vibraco	ore: 7.0'		
Drill Co:		Apex		Method:	Vibracore		Sheet: 1 of 1	
Driller:	1	JER/C	CAS/RM	Log By:	CAS	Description		
Depth Below Mudline (Feet)	Interval (Feet)	Blow Count	Pen/Rec (Feet)			Description (Color, Texture, Str 10% to 20%, Some 20		Remarks
				T:				
0.3	0-0.3	N/A		Vibracore:	Black organic SILT	<u>.</u> (v		
3.8	0.3-3.8	N/A	7.0/7.0	Vibracore:	Light grey SILT, lit	ttle fine sand, little	e shell hash.	
7.0	3.8-7.0	N/A		Vibracore:	Light grey SILT, lit	ttle shell hash, tra	ice fine sand.	,
Comment	s:							

				Sample Date: 8/3/11				
AP	EX			BORING LOG				
Project: Location	11	New E	Bedford H	arbor Project No: 6690.013 N: 2696959 E: 815662				
		n (MLL	_W): - 5.3 f					
Casing 7			racore	Total Boring Depth: 4.7' Boring No: A-CAD3A-2011-VC	.4			
Vibracor		4"	V2000EH	Recovery Length Vibracore: 4.7'				
Drill Co:		Apex		Method: Vibracore Sheet: 1 of 1				
Driller:	T	JER/C	CAS/RM	Log By: CAS				
Depth Below Mudline (Feet)	Interval (Feet)	Blow Count	Pen/Rec (Feet)	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Remarks			
0.25	0-0.25	N/A		Black organic SILT, trace fine sand, trace shell hash.				
0.4	0.25-0.4	N/A		Dark grey SILT and SHELL HASH, some fine to medium sand.				
1.4	0.4-1.4	N/A	4.7/4.7	Dark grey SILT and fine to medium SAND.				
2.6	1.4-2.6	N/A	7.07.1	Dark grey SILT and fine to coarse SAND.				
3.4	2.6-3.4	N/A		Black organic SILT and fine to coarse SAND.				
4.7	3.4-4.7	N/A	6	Light grey fine to coarse SAND, little fine gravel, trace medium gravel.				
Comment	s:							

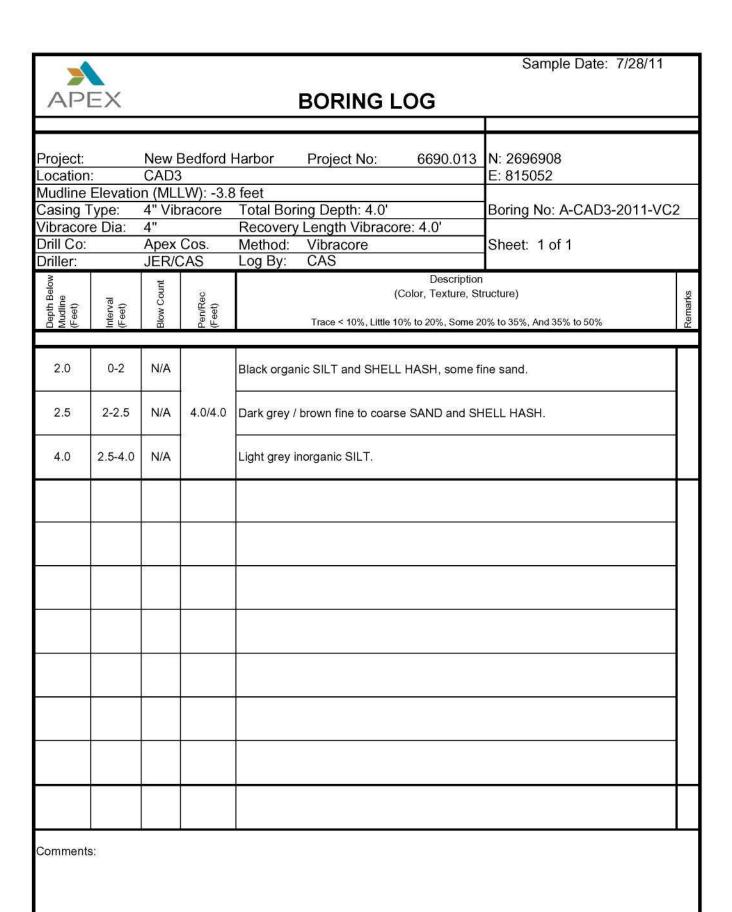
				Sample Date: 8/3/11	
AP	EX			BORING LOG	
,					
Project: Location Mudline		CAD3	Bedford H	E: 815476	
Casing 7			racore	Total Boring Depth: 2.9' Boring No: A-CAD3A-2011-V0	C 5
Vibracor		4"	COO securities and a security and a	Recovery Length Vibracore: 2.9'	
Drill Co:		Apex	Cos.	Method: Vibracore Sheet: 1 of 1	
Driller:			AS/RM	Log By: CAS	
Depth Below Mudline (Feet)	Interval (Feet)	Blow Count	Pen/Rec (Feet)	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Remarks
0.5	0-0.5	N/A		Black organic SILT and SHELL HASH, little fine sand.	
1.4	0.5-1.4	N/A	2.9/2.9	Silty fine to medium SAND, little shell hash.	
2.6	1.4-2.6	N/A	EIV - IV	Brown / grey fine to medium SAND.	
2.9	2.6-2.9	N/A		Brown fine to medium SAND.	
Comment	s:			•	

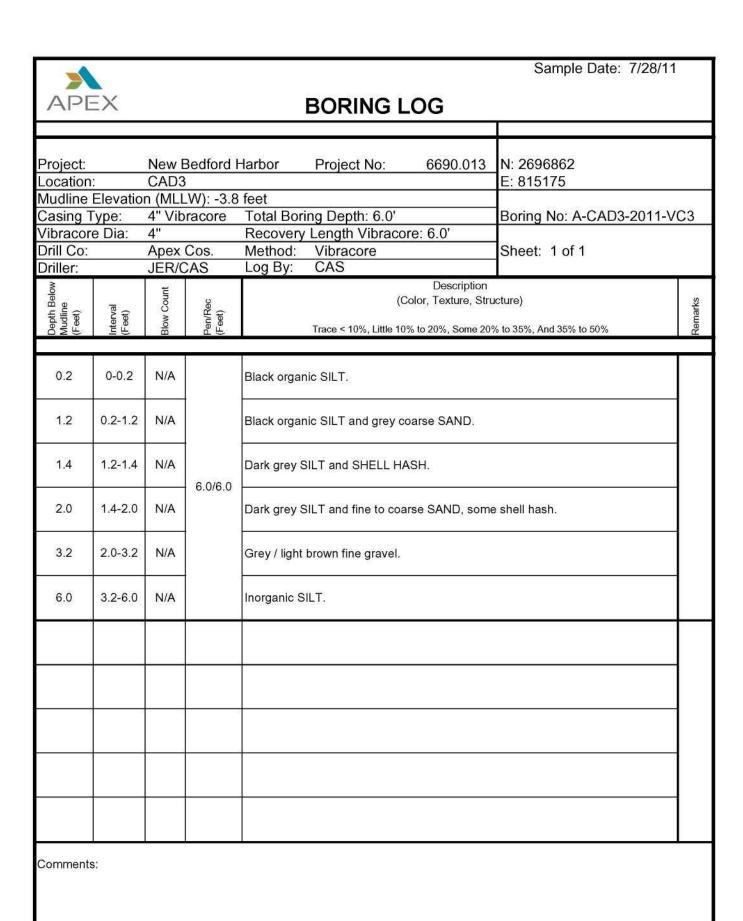


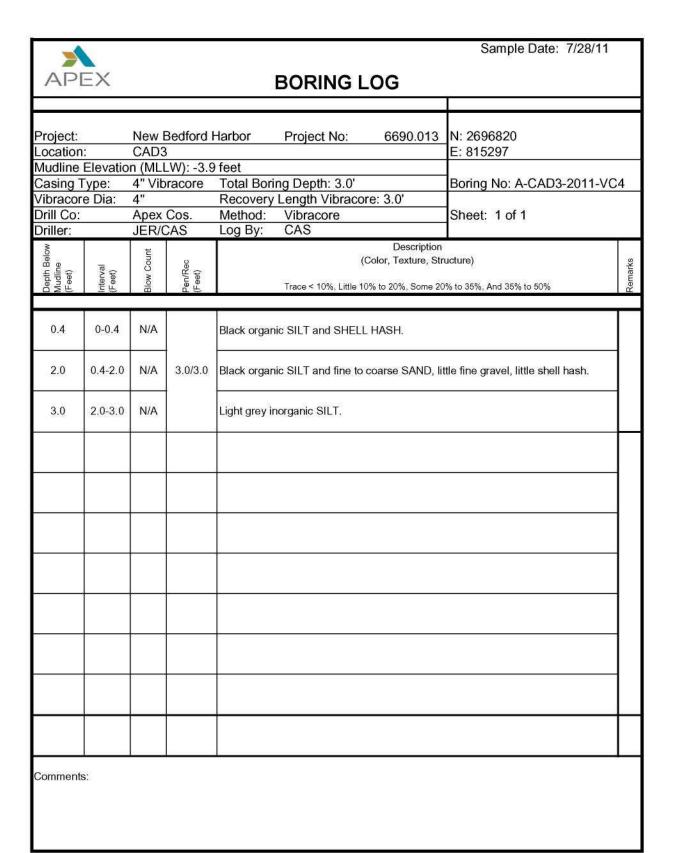


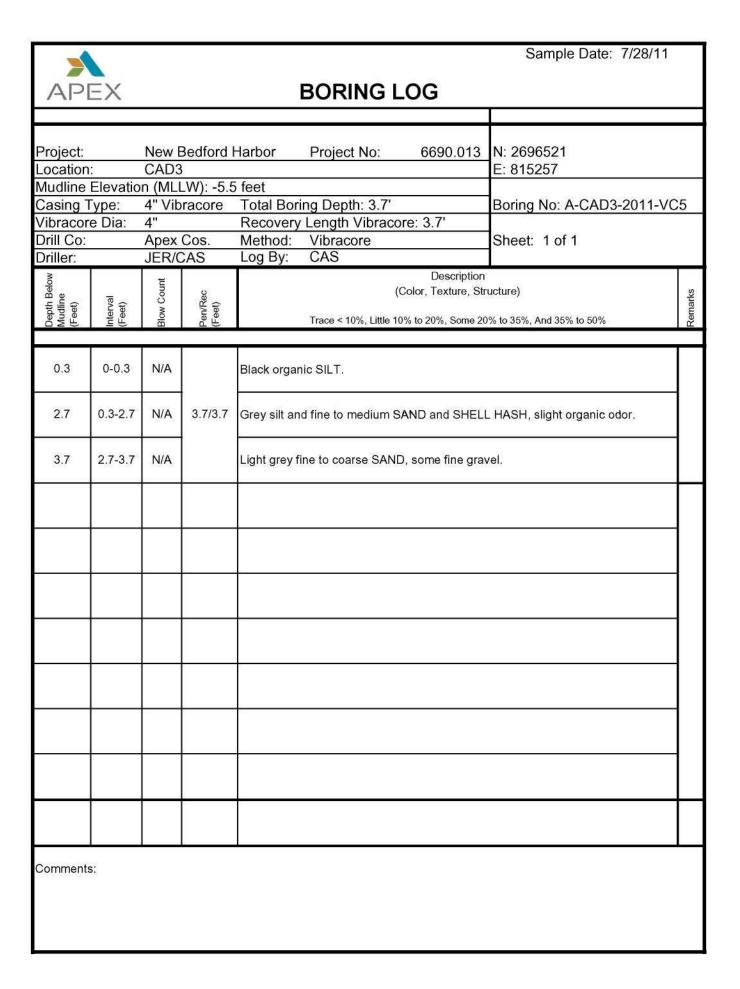


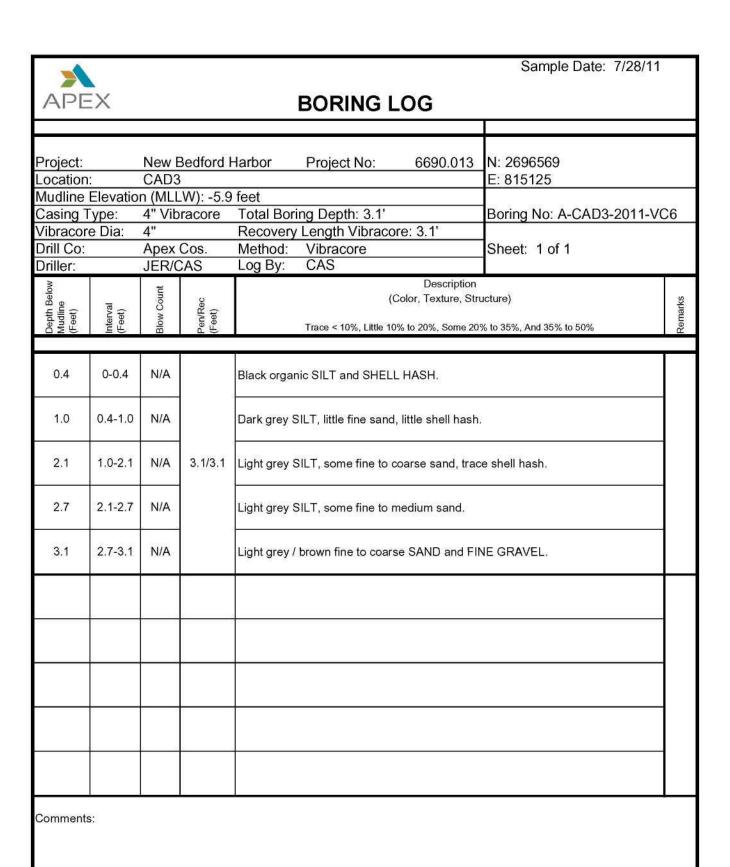
/ (1				2	BORING	LC)G		
Project:		New I	Bedford F	Harbor	Project No:		6690.013	N: 2696928	
Location		CAD3				E: 814927			
Mudline	Elevation		LW): -6.2	feet					
Casing 1	Гуре:	4" Vib	racore	Total Bori	ing Depth: 10	1.4'		Boring No: A-CAD3-2011-V	C1
Vibracor	e Dia:	4"		Recovery	Length Vibra	acore	: 10.4'		
Drill Co:		Apex		Method:	1800 DECEMBER 18				
Driller:		JER/0	CAS	Log By:	CAS			l.	
Depth Below Mudline (Feet)		ţ.				(Cole	Description or, Texture, Stru	ictura)	(0
th B ∰ ine	rval	Blow Count	Pen/Rec (Feet)			(COIC	or, rexture, our	icture)	Remarks
Dep Mud (Fee	Interval (Feet)	Blov	Pen (Fee		Trace < 10%, Little	10% to	o 20%, Some 20%	% to 35%, And 35% to 50%	Ren
		,							
1.4	0-1.4	N/A		Black orga	nic SILT, some s	shell h	nash, some fir	ne to coarse sand.	
4.0	1.4-4.0	N/A		Dark grey S	GILT and fine to	coarse	e SAND and S	SHELL HASH, odor.	
6.7	4.0-6.7	N/A	10.4/10.4	Light grey S	ght grey SAND and SILT, trace fine gravel (localized at 6.3 feet), trace wood ips, odor.				
10.0	6.7-10	N/A		Light grey in	ght grey inorganic SILT, very slight odor.				
10.4	10-10.4	N/A		Red-orange	e-brown fine to n	nediur	m SAND.		
		3							
			So.						
Comments	3:								

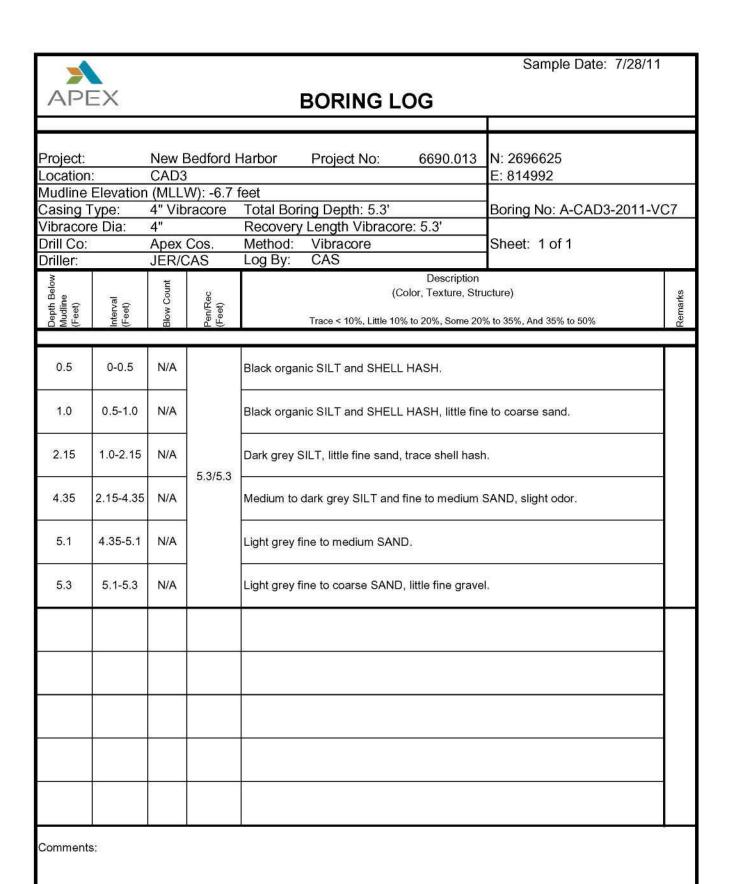












				Sample Date: 8/2/11	
APE	ΞX			BORING LOG	
Project: Location Mudline Casing Vibracor Drill Co: Driller:	Elevation Type: re Dia:	CAD3 (MLL)	W): -8.9 pracore Cos.	E: 814848	08
Depth Below Mudline (Feet)	Interval (Feet)	Blow Count	Pen/Rec (Feet)	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Remarks
0.75	0-0.75	N/A		Black organic SILT, trace shell hash.	
1.55	0.75-1.55	N/A	6.2/6.2	Dark grey SILT, little sand, organic odor.	
2.6	1.55-2.6	N/A	0.2,0,2	Dark grey SILT, little fine sand, trace shell hash.	
6.20	2.6-6.2	N/A		Dark grey SILT, trace fine to medium sand, organic odor.	
		8 17			
Comment	S:				



Project:	New Bedf	ord Harbor	80	Project No: 6515.003	Lat 41 38.7407 N			
Location:	DMMP No	orth of Pope	es Island	CAD 2	Long 70 55.1221 W			
Elevation a	at mudline:	-5.6'	Datum:	MLLW				
Casing Ty	pe: Polyca	rbonate	Penetration:	14.0 ft	Boring No: VC-101			
Casing Dia		3"	Recovery:	10.7 ft				
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1			
Driller:	RR		Log By:	KvN, GCD	Service Control Service Code			
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Trace < 1	Description (Color, Texture, S 0%, Little 10% to 20%, Some 20%	Structure)			
(04)	VC2007 101		E	Black organic silt; some she	l hash, organic odor.			
1	0-1 VC2007 101	(
2	1-2			Dark gray silt; little sh	ell fragments			
	VC2007 101	ê		Burk gray one, nead of	en nagmente.			
3	2-3							
20	VC2007 101				TO STATE OF CONTROL PROTESTANT AND A POPULATION OF THE POPULATION OF THE POPULATION OF CONTROL OF THE POPULATION OF THE			
4	3-4 VC2007 101	ş						
5	4-5		Dark	gray silt; little shell fragme	nts, trace very fine sand.			
	VC2007 101	E		. g ,	,			
6	5-6	i.						
7	VC2007 101							
. 7	6-7 VC2007 101	3		Dark gray interbedded s	ilt and fine sand			
8	7-8			Bank gray interbedaed o	in and inic sana.			
	VC2007 101							
9	8-9 VC2007 101	2.4.5		Dark gray	silt.			
10	9-10	9.4 ft		Peat				
10	9-10	ii.		reat				
11			 					
40								
12	-			NO RECOVERY b	elow 10.7 ft			
13								
14								
	Bottom of Exploration at 14 ft							

Comments:

Penetration: 14.0'.

No Refusal



Project:	New Bedf	ord Harbor	Ni	Project No: 6515.003	Lat 41 38.8002 N
Location:	on: DMMP North of Popes Island CAD 2				Long 70 55.1221 W
Elevation a	at mudline:	-6.4'	Datum:	MLLW	
Casing Ty	pe: Polyca	rbonate	Penetration:	9.5 ft	Boring No: VC-102
Casing Dia	ameter:	3"	Recovery:	8.8 ft	
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1
Driller:	RR		Log By:	KvN, GCD	
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Trace	Description (Color, Texture, St 10%, Little 10% to 20%, Some 20%	tructure)
	VC2007 102	000	Hace	CONTRACT DU DE ACCIO VOCESSIAN	100 an 20 80 an
1	0-1			Black organic silt; little s	hell fragments.
2	VC2007 102 1-2	2.3 ft		Dark gray silt; some fine t	o medium sand.
3	VC2007 102 2-3 VC2007 102				
4	3-4 VC2007 102			Gray fine to medium sa	and; some silt.
5	4-5 VC2007 102				
6	5-6	i			
7	-			Gray fine to coarse sand;	trace fine gravel.
8					
9			L	Brown fine sa	and.
3	The state of the s		All	NO RECOVERY be	elow 8.8 ft
10			10	Bottom of Exploration a	at 9.5 ft
11	_			300	
12	_				
13					
14	_				
15					
	Comments:				

Comments:

Penetration: 9.5 ft

No Refusal



Project:	New Bedf	ord Harbor	3 Lat 41 38.6962 N							
Location:	DMMP No	orth of Pope	Long 70 54.9832 W							
Elevation a	at mudline:									
Casing Typ	pe: Polyca	rbonate	Penetration:	14.0 ft	Boring No: VC-103A					
Casing Dia	ameter:	3"	Recovery:	11.4 ft						
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1					
Driller:	RR		Log By:	KvN, GCD						
low ft)		eak		Descri						
ne (<u>e</u>	a Br		(Color, Textur	e, Structure)					
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Trace < 1	0%, Little 10% to 20%, Some 2	20% to 35% And 35% to 50%					
	VC2007 103	000	liace \ II	0 %, Little 10 % to 20 %, Some 2	20 % to 30 %, And 30 % to 30 %					
1	0-1		Bla	ck to dark gray organic	silt; trace shell fragments.					
120	VC2007 103									
2	1-2 VC2007 103	i i		Crow silk troop o	hall fragments					
3	2-3			Gray silt; trace s						
	VC2007 103	•		Dark gray silt; little	clay, trace shells.					
4	3-4									
_	VC2007 103		Gray clay; some silt.							
5	4-5 VC2007 103		2.27 2.27, 33.00							
6	5-6									
	VC2007 103			Gray clay; some silt, tr	ace shell fragments					
. 7	6-7									
8	VC2007 103 7-8									
8	VC2007 103									
9	8-9			Gray	Silt.					
CONTRACTOR IN	VC2007 103									
10	9-10 VC2007 103	i.								
11	10-11	10.9 ft		(trace peat	at 10.3 ft)					
	Not sampled			Peat; trac	e sand.					
12										
			NO RECOVERY below 11.4 ft							
♦										
20		4		Bottom of Explo	pration at 20 ft					
ı				DOLLOTT OF EXPIC	ration at 20 it					

Bottom of Exploration at 20 ft

Comments:

Penetration: 20.0 ft.

No refusal.

Bottom of core barrel contains gray clayey silt.



Project:	New Bedf	ord Harbor	8.	Project No: 6515.003	Lat 41 38.8754 N					
Location:		orth of Pope	es Island	CAD 2	Long 70 55.0158 W					
Elevation a		150400000	Datum:	MLLW						
Casing Ty			Penetration:		Boring No: VC-104					
Casing Dia		3"	Recovery:	11.9 ft						
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1					
Driller:	RR	2000	Log By:	KvN, GCD						
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Trace <	Description (Color, Texture, Str 10%, Little 10% to 20%, Some 20% to	ructure)					
	VC2007 104	0.4 ft		Black organic silt; som						
11	0-1 VC2007 104			Dark gray fine sand; little silt, li	ttle shell fragments.					
2	1-2			Gray fine sar	nd					
2	VC2007 104	Ģ.		Oray iiilo oai	144.					
3	2-3									
4				Tan fine to mediur	n sand.					
5		7								
6	Not									
7	Sampled			Tan fine to coarse	e sand.					
8										
9	ļ			(6 inch thick oxidized la	yer at 8.75 ft)					
10										
11										
12										
13				NO RECOVERY bel	ow 11.9 ft					
14										
		Bottom of Exploration at 14 ft								

Bottom of Exploration at 14 ft

Comments:

Penetration: 14.0'.

No Refusal.



Project:	New Bedford Harbor Project No: 6515.003 Lat 41 38.8438 N									
Location:	DMMP No	orth of Pope	es Island	CAD 2	Long 70 54.9236 W					
Elevation a	at mudline:	-5.4'	Datum:	MLLW						
Casing Ty	pe: Polyca	rbonate	Penetration:	20.0 ft	Boring No: VC-105					
Casing Dia	ameter:	3"	Recovery:	13.2 ft						
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1					
Driller:	RR		Log By:	MB, GCD	CONTRACTOR OF STATE O					
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Trace < 1	Description (Color, Texture, St 10%, Little 10% to 20%, Some 20%	ructure)					
	VC2007 105		Hido	10 %, Entire 10 % to 20 %, Como 20 %	0 00 70, 7 1114 00 70 10 00 70					
1	0-1			Black organic silt; some s	shell fragments.					
	VC2007 105			Dark gray organic silt; little	shell fragments.					
2	1-2 VC2007 105	1								
3	2-3			O						
500	VC2007 105			Gray organic silt; trace fine to coarse sand.						
4	3-4 VC2007 105	; ¢								
5	4-5									
	VC2007 105	(Gray to tan very fine sand;	little to some silt.					
6	5-6	i e								
7	VC2007 105 6-7									
. 161	0-7			Brown fine to coarse sand	; little fine gravel.					
8										
9		:								
10	Not Sampled			Gray very fine sand	some silt.					
11				Gray silt.						
12				Tan fine to coarse sand;	little fine gravel.					
13				Gray medium to coarse sand	SPECKS CONTROL OF THE PARTY OF					
14				NO RECOVERY be	low 13.2 ft					
20										
	Bottom of Exploration at 20 ft									

Comments:

Penetration: 20.0 ft

No refusal.



Project:	New Bedf	ord Harbor	Kri	Project No: 6515	.003	Lat 41 38.8486 N			
Location:	DMMP No	orth of Pope	Long 70 54.9985 W						
Elevation a	at mudline:	-4.3'	Datum:	MLLW		19 Te			
Casing Ty	pe: Polycai	rbonate	Penetration:	10.0 ft		Boring No: VC-118			
Casing Dia		3"	Recovery:	5.7 ft					
Drill Co:	TGB		Method:	Vibracore		Sheet: 1 of 1			
Driller:	RR		Log By:	MB, GCD					
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Description (Color, Texture, Structure)						
ΔE	ს VC2007 118	∆ಹ€	Trace < 10	0%, Little 10% to 20%, So Tan fine sand; s		i.i.			
1	0-1		D.J.						
500 3000	VC2007 118		Dark gray to black fine sand; some silt, little shell fragments.						
2	1-2 VC2007 118	G.	Gray silt and fine sand.						
3	2-3								
4				Tan fine to	medium	sand.			
5	Not Sampled								
6									
7					/=D\/				
8			NO RECOVERY below 5.7 ft						
9									
10		ó	3 /						

Bottom of Exploration at 10 ft

Comments:

Penetration: 10.0 ft. Refusal at: 10.0 ft.



New Bedf	ord Harbor	16	Project No: 6515	.003 Lat 41 38.8443 N				
DMMP No	orth of Pope	es Island	CAD 2	Long 70 55.0801 W				
at mudline:	-3.3'	Datum:	MLLW	100.40				
oe: Polycai	rbonate	Penetration:	10.0 ft	Boring No: VC-119				
ameter:	3"	Recovery:	5.4 ft					
TGB		Method:	Vibracore	Sheet: 1 of 1				
RR		Log By:	KvN, GCD					
Description (Color, Texture, Structure) He description (Color, Texture, Structure)								
	ರಿಕ್€	Trace < 1	0%, Little 10% to 20%, So	me 20% to 35%, And 35% to 50%				
VC2007 119 0-1	0.9 ft	Black organic silt; some fine sand, little shell fragments.						
VC2007 119		Tan very fine sand.						
	i i							
Light gray silt								
VC2007 119		l						
3-4	is.		Interbedded light gr	ay very fine sand and silt.				
Sampled			3 3					
			NO RECOV	ERY below 5.4 ft				
	á .							
	DMMP Note that mudline: De: Polycal meter: TGB RR VC2007 119 0-1 VC2007 119 1-2 VC2007 119 2-3 VC2007 119 3-4 Not	DMMP North of Pope at mudline: -3.3' De: Polycarbonate ameter: 3" TGB RR Quality by the state of the state o	at mudline: -3.3' Datum: De: Polycarbonate Penetration: Imeter: 3" Recovery: TGB Method: Log By: VC2007 119 0-1 VC2007 119 1-2 VC2007 119 2-3 VC2007 119 3-4 Not	DMMP North of Popes Island CAD 2 at mudline: -3.3' Datum: MLLW De: Polycarbonate Penetration: 10.0 ft Immeter: 3" Recovery: 5.4 ft TGB Method: Vibracore RR Log By: KvN, GCD De (Color, Te for the first of the fi				

Bottom of Exploration at 10 ft

Comments:

Penetration: 10.0 ft.

No refusal



Penetration:

20.0 ft. No refusal

VIBRACORE LOG

Project:	New Bedf	ord Harbor	8	Project No: 6515.003	Lat 41 38.7604 N
Location:	DMMP No	orth of Pope	es Island	CAD 2	Long 70 54.9495 W
Elevation a			Datum:	MLLW	
Casing Ty	pe: Polycai	rbonate	Penetration:	20.0 ft	Boring No: VC-120
Casing Dia		3"	Recovery:	11.0 ft	
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1
Driller:	RR		Log By:	KvN, GCD	
æ (±	0	ä		Description	
bel (1]]	D of a Bree		(Color, Texture, St	ructure)
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)		400/ 1:41- 400/ 1- 000/ 0 000/ 1	250/ 4 250/ 12 500/
0 8	νC2007 120	0.7 ft	Trace <	10%, Little 10% to 20%, Some 20% to Black organic silt.	
1	0-1	0.7 it		Diack organic sitt. O	trong odor.
3	VC2007 120			Dark gray silt; trace she	ell fragments.
2	1-2				
3	VC2007 120 2-3			Gray silt; trace shell	fragments.
	VC2007 120				30000
4	3-4				
200	VC2007 120				
5	4-5				
6	VC2007 120 5-6			Gray silt.	
_ <u> </u>	VC2007 120	i.		(increasing stiffness	with depth)
7	6-7				
	VC2007 120				
8	7-8 VC2007 120				
9	8-9				
	VC2007 120				
10	9-10				
44	VC2007 120				
11	10-11				
				NO RECOVERY be	low 11.0 ft
20					
	11 <u>4</u> 1200-200-200-200			Bottom of Exploration a	at 20 ft
	Comments:	12027 2 000			



Project:	oject: New Bedford Harbor Project No: 6515.003 Lat 41 38.7407 N								
Location:	DMMP No	orth of Pope	Long 70 55.1221 W						
Elevation a	at mudline:	-5.6'	Datum:	MLLW					
Casing Ty	pe: Polyca	rbonate	Penetration:	14.0 ft	Boring No: VC-101				
Casing Dia		3"	Recovery:	10.7 ft					
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1				
Driller:	RR	Depth of Strata Break (ft)	Log By:	KvN, GCD	Service Control Service Code				
Depth below mudline (ft)	Sample ID	on Structure) o to 35%, And 35% to 50%							
(04)	VC2007 101		E	Black organic silt; some she	l hash, organic odor.				
1	0-1 VC2007 101	(
2	1-2			Dark gray silt; little sh	ell fragments				
	VC2007 101	ê		Burk gray one, nead of	en nagmente.				
3	2-3								
	VC2007 101				TO STATE OF CONTROL PROTESTANT AND A POPULATION OF THE POPULATION OF THE POPULATION OF CONTROL TO THE POPULATION OF THE				
4	3-4 VC2007 101	ş							
5	4-5		Dark gray silt; little shell fragments, trace very fine sand.						
	VC2007 101	E							
6	5-6	i.							
7	VC2007 101								
. 7	6-7 VC2007 101	3		Dark gray interbedded s	ilt and fine sand				
8	7-8			Bank gray interbedaed o	in and inic sana.				
	VC2007 101								
9	8-9 VC2007 101	2.4.5		Dark gray	silt.				
10	9-10	9.4 ft		Peat					
10	9-10	Ĝ.		reat					
11			 						
40									
12	-			NO RECOVERY b	elow 10.7 ft				
13									
14									
	Bottom of Exploration at 14 ft								

Comments:

Penetration: 14.0'.

No Refusal



Project:	New Bedf	ord Harbor	Ni	Project No: 6515.003	Lat 41 38.8002 N			
Location:	DMMP No	orth of Pope	es Island	CAD 2	Long 70 55.1221 W			
Elevation a	at mudline:	-6.4'	Datum:	MLLW				
Casing Ty	pe: Polyca	rbonate	Penetration:	9.5 ft	Boring No: VC-102			
Casing Dia	ameter:	3"	Recovery:	8.8 ft				
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1			
Driller:	RR		Log By:	KvN, GCD				
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Trace	Description (Color, Texture, Structure)				
	VC2007 102	000	Hace	10%, Little 10% to 20%, Some 20%	100 an 20 80 an			
1	0-1			Black organic silt; little s	hell fragments.			
2	VC2007 102 1-2	2.3 ft		Dark gray silt; some fine t	o medium sand.			
3	VC2007 102 2-3 VC2007 102							
4	3-4 VC2007 102		Gray fine to medium sand; some silt.					
5	4-5 VC2007 102							
6	5-6	i						
7	-			Gray fine to coarse sand;	trace fine gravel.			
8								
9			L	Brown fine sa	and.			
3	The state of the s		All	NO RECOVERY be	elow 8.8 ft			
10			10	Bottom of Exploration a	at 9.5 ft			
11	_			300				
12	_							
13								
14	_							
15								
	Commentar							

Comments:

Penetration: 9.5 ft

No Refusal



Project:	New Bedf	ord Harbor	3 Lat 41 38.6962 N							
Location:	DMMP No	orth of Pope	Long 70 54.9832 W							
Elevation a	at mudline:									
Casing Typ	pe: Polyca	rbonate	Penetration:	14.0 ft	Boring No: VC-103A					
Casing Dia	ameter:	3"	Recovery:	11.4 ft						
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1					
Driller:	RR		Log By:	KvN, GCD						
low ft)		eak		Descri						
ne (<u>e</u>	a Br		(Color, Textur	e, Structure)					
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Trace < 1	0%, Little 10% to 20%, Some 2	20% to 35% And 35% to 50%					
	VC2007 103	000	liace \ II	0 %, Little 10 % to 20 %, Some 2	20 % to 30 %, And 30 % to 30 %					
1	0-1		Bla	ck to dark gray organic	silt; trace shell fragments.					
1 2	VC2007 103									
2	1-2 VC2007 103	i i		Crow silk troop o	hall fragments					
3	2-3			Gray silt; trace s						
	VC2007 103	•		Dark gray silt; little	clay, trace shells.					
4	3-4									
_	VC2007 103		Gray clay; some silt.							
5	4-5 VC2007 103		2.27 2.27, 33.00							
6	5-6									
	VC2007 103			Gray clay; some silt, tr	ace shell fragments					
. 7	6-7									
8	VC2007 103 7-8									
8	VC2007 103									
9	8-9			Gray	Silt.					
CONTRACTOR IN	VC2007 103									
10	9-10 VC2007 103	i.								
11	10-11	10.9 ft		(trace peat	at 10.3 ft)					
	Not sampled			Peat; trac	e sand.					
12										
			NO RECOVERY below 11.4 ft							
♦										
20		4		Bottom of Explo	pration at 20 ft					
ı				DOLLOTT OF EXPIC	ration at 20 it					

Bottom of Exploration at 20 ft

Comments:

Penetration: 20.0 ft.

No refusal.

Bottom of core barrel contains gray clayey silt.



Project:	New Bedf	ord Harbor	8.	Project No: 6515.003	Lat 41 38.8754 N					
Location:		orth of Pope	es Island	CAD 2	Long 70 55.0158 W					
Elevation a		150400000	Datum:	MLLW						
Casing Ty			Penetration:		Boring No: VC-104					
Casing Dia		3"	Recovery:	11.9 ft						
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1					
Driller:	RR	2000	Log By:	KvN, GCD						
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Trace <	Description (Color, Texture, Str 10%, Little 10% to 20%, Some 20% to	ructure)					
	VC2007 104	0.4 ft		Black organic silt; som						
11	0-1 VC2007 104			Dark gray fine sand; little silt, li	ttle shell fragments.					
2	1-2			Gray fine sar	nd					
2	VC2007 104	Ģ.		Oray iiilo oai	144.					
3	2-3									
4				Tan fine to mediur	n sand.					
5		7								
6	Not									
7	Sampled			Tan fine to coarse	e sand.					
8										
9	ļ			(6 inch thick oxidized la	yer at 8.75 ft)					
10										
11										
12										
13				NO RECOVERY bel	ow 11.9 ft					
14										
		Bottom of Exploration at 14 ft								

Bottom of Exploration at 14 ft

Comments:

Penetration: 14.0'.

No Refusal.



Project:	New Bedford Harbor Project No: 6515.003 Lat 41 38.8438 N									
Location:	DMMP No	orth of Pope	es Island	CAD 2	Long 70 54.9236 W					
Elevation a	at mudline:	-5.4'	Datum:	MLLW						
Casing Ty	pe: Polyca	rbonate	Penetration:	20.0 ft	Boring No: VC-105					
Casing Dia	ameter:	3"	Recovery:	13.2 ft						
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1					
Driller:	RR		Log By:	MB, GCD	CONTRACTOR OF STATE O					
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Trace < 1	Description (Color, Texture, St 10%, Little 10% to 20%, Some 20%	ructure)					
	VC2007 105		Hido	10 %, Entire 10 % to 20 %, Como 20 %	0 00 70, 7 1114 00 70 10 00 70					
1	0-1	,		Black organic silt; some s	shell fragments.					
	VC2007 105			Dark gray organic silt; little	shell fragments.					
2	1-2 VC2007 105	4								
3	2-3			O						
500	VC2007 105			Gray organic silt; trace fine to coarse sand.						
4	3-4 VC2007 105	r e								
5	4-5		-							
	VC2007 105	(Gray to tan very fine sand;	little to some silt.					
6	5-6	i e								
7	VC2007 105 6-7									
. 161	0-7			Brown fine to coarse sand	; little fine gravel.					
8										
9		:								
10	Not Sampled			Gray very fine sand	some silt.					
11				Gray silt.						
12				Tan fine to coarse sand;	little fine gravel.					
13				Gray medium to coarse sand	SPECKS CONTROL OF THE PARTY OF					
14				NO RECOVERY be	low 13.2 ft					
20										
	Bottom of Exploration at 20 ft									

Comments:

Penetration: 20.0 ft

No refusal.



Project:	New Bedf	ord Harbor	Kri	Project No: 6515	.003	Lat 41 38.8486 N			
Location:	DMMP No	orth of Pope	Long 70 54.9985 W						
Elevation a	at mudline:	-4.3'	Datum:	MLLW		19 Te			
Casing Ty	pe: Polycai	rbonate	Penetration:	10.0 ft		Boring No: VC-118			
Casing Dia		3"	Recovery:	5.7 ft					
Drill Co:	TGB		Method:	Vibracore		Sheet: 1 of 1			
Driller:	RR		Log By:	MB, GCD					
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)	Description (Color, Texture, Structure)						
ΔE	ს VC2007 118	∆ಹ€	Trace < 10	0%, Little 10% to 20%, So Tan fine sand; s		i.i.			
1	0-1		D.J.						
500 3000	VC2007 118		Dark gray to black fine sand; some silt, little shell fragments.						
2	1-2 VC2007 118	G.	Gray silt and fine sand.						
3	2-3								
4				Tan fine to	medium	sand.			
5	Not Sampled								
6									
7					/=D\/				
8			NO RECOVERY below 5.7 ft						
9									
10		ó	3 /						

Bottom of Exploration at 10 ft

Comments:

Penetration: 10.0 ft. Refusal at: 10.0 ft.



New Bedf	ord Harbor	16	Project No: 6515	.003 Lat 41 38.8443 N	
DMMP No	orth of Pope	es Island	CAD 2	Long 70 55.0801 W	
at mudline:	-3.3'	Datum:	MLLW	100.40	
oe: Polycai	rbonate	Penetration:	10.0 ft	Boring No: VC-119	
ameter:	3"	Recovery:	5.4 ft		
TGB		Method:	Vibracore	Sheet: 1 of 1	
RR		Log By:	KvN, GCD		
mple ID	pth of ata Break			scription xture, Structure)	
	<u>a</u> % €	Trace < 1	0%, Little 10% to 20%, So	me 20% to 35%, And 35% to 50%	
VC2007 119 0-1	0.9 ft	Blac	k organic silt; some f	ine sand, little shell fragments.	
VC2007 119			Tan ve	ry fine sand.	
	i i				
3 2-3			Light gray silt.		
VC2007 119		l			
3-4	is.		Interbedded light gr	ay very fine sand and silt.	
Sampled			3 3		
			NO RECOV	ERY below 5.4 ft	
	á .				
	DMMP Note that mudline: De: Polycal meter: TGB RR VC2007 119 0-1 VC2007 119 1-2 VC2007 119 2-3 VC2007 119 3-4 Not	DMMP North of Pope at mudline: -3.3' De: Polycarbonate ameter: 3" TGB RR Quality by the state of the state o	at mudline: -3.3' Datum: De: Polycarbonate Penetration: Imeter: 3" Recovery: TGB Method: Log By: VC2007 119 0-1 VC2007 119 1-2 VC2007 119 2-3 VC2007 119 3-4 Not	DMMP North of Popes Island CAD 2 at mudline: -3.3' Datum: MLLW De: Polycarbonate Penetration: 10.0 ft Immeter: 3" Recovery: 5.4 ft TGB Method: Vibracore RR Log By: KvN, GCD De (Color, Te for the first of the fi	

Bottom of Exploration at 10 ft

Comments:

Penetration: 10.0 ft.

No refusal



Penetration:

20.0 ft. No refusal

VIBRACORE LOG

Project:	New Bedf	ord Harbor	8	Project No: 6515.003	Lat 41 38.7604 N
Location:	DMMP No	orth of Pope	es Island	CAD 2	Long 70 54.9495 W
Elevation a			Datum:	MLLW	
Casing Ty	pe: Polycai	rbonate	Penetration:	20.0 ft	Boring No: VC-120
Casing Dia		3"	Recovery:	11.0 ft	
Drill Co:	TGB		Method:	Vibracore	Sheet: 1 of 1
Driller:	RR		Log By:	KvN, GCD	
æ (±	0	ä		Description	
bel (1]]	D of a Bree		(Color, Texture, St	ructure)
Depth below mudline (ft)	Sample ID	Depth of Strata Break (ft)		400/ 1:41- 400/ 1- 000/ 0 000/ 1	250/ 4 250/ 12 500/
0 8	νC2007 120	0.7 ft	Trace <	10%, Little 10% to 20%, Some 20% to Black organic silt.	
1	0-1	0.7 it		Diack organic sitt. O	trong odor.
3	VC2007 120			Dark gray silt; trace she	ell fragments.
2	1-2				
3	VC2007 120 2-3			Gray silt; trace shell	fragments.
	VC2007 120				30000
4	3-4				
200	VC2007 120				
5	4-5				
6	VC2007 120 5-6			Gray silt.	
_ <u> </u>	VC2007 120	i.		(increasing stiffness	with depth)
7	6-7				
	VC2007 120				
8	7-8 VC2007 120				
9	8-9				
	VC2007 120				
10	9-10				
44	VC2007 120				
11	10-11				
				NO RECOVERY be	low 11.0 ft
20					
	11 <u>4</u> 1200-200-200-200			Bottom of Exploration a	at 20 ft
	Comments:	12027 2 000			



Project:		arbor Dredge - Phas	se I	Boring No: M201		
Location:	New Bedford, I			See Site Map for E	See Site Map for Boring	
Northing: 26944	97 Easting	814858	Date: 10/07/2002	Locations		
Length:	5.5'	Recovery:	3'			
Drill Company:	CR	Method:	Vibracore			
Driller:	CR	Log By:	MM		-	
Depth (FT.) Interval (feet)	USCS Class		Description Color, Texture, Structure) 0% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes	
0-1	оц/он	Black organic silt, odor	noted.	M201-1		
1-2	OL/OH	Similar to 0-1', 2 to 3 sr	nall stones recovered,	M201-2		
2-3	SM	Light gray, small stones	s, well-graded, sand: 50%, silt 20%.	M201-3		
5' 6'		Bottom of Exploration				

Dex
environmental, inc.

CR	814729 Date: 10/07/2002 Recovery: 5' Method: Vibracore Log By: MM Description	Boring No: M202 See Site Map for Bo Locations	rin
7' CR CR	Recovery: 5' Method: Vibracore Log By: MM Description	Locations	
CR CR	Method: Vibracore Log By: MM Description		
CR	Log By: MM Description		
	Description		
SS Class			
ΣSη	(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
оцон	Black organic silt, odor noted, trace shell fragments.	M202-1	
о⊔он	Black organic silt, odor noted, trace sand.	M202-2	
SM	Fine brown sand.		
	Bottom of Exploration		
	OL/OH SM	OL/OH Black organic silt, odor noted, trace sand.	OL/OH Black organic silt, odor noted, trace sand. M202-1 M202-2 SM Fine brown sand.

Dex	
environmental,	inc.

Project:	ect: New Bedford Harbor Dredge - Phase I		Boring No: M203		
Location:	1	New Bedford, M			See Site Map for Boring
Northing: 2	2694549	Easting:	814679	Date: 10/04/2002	Locations
Length:		7'	Recovery:	4.75'	
Drill Comp	any:	CR	Method:	Vibracore	
Driller:		CR	Log By:	MM	
Depth (FT.)	Interval (feet)	USCS Class		Description (Color, Texture, Structure) Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
1'	0-1	оц/он	Black organic silt, (odor noted.	M203-1
2'	1-2.8	ML	Black silt.		M203-2
3'					M203-3
	2.8-4.5	SP	Light gray fine san	d, firm, 60% clay.	M203-4
					M203-5
4.	.5-4.75	SM	Fine sand.		
6'			Bottom of Explorat	tion	

Comments:

Dex	
environmental,	inc.

Project:				
Location:	New Bedford, MA Project No: 6505.00		See Site Map for Boring	
Northing: 2694	516 Easting	: 814511 Date: 10/04/2002	Locations	
Length:	6.5'	Recovery: 3.5'		
Drill Company:	CR	Method: Vibracore		
Driller:	CR	Log By: MM		
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
0-1	ОГОН	Black organic silt, odor noted.	M204-1	
1-2	ML	Black silt.	M204-2	
2-2.5	ML	Black silt.		
3' 2.5-3	ML	Black silt, sheen noted, 2 to 3 small stones.	Moodio	
3-3.5	SM	Coarse sand, poorly sorted.	M204-3	
4' 5' 6'		Bottom of Exploration		

Dex	
environmental,	Inc.

	2000 LLS 608 253400	1 7-1 (2005 101 V2	TAING EGG	E in the shouldhop
Project:		arbor Dredge - F		Boring No: M205
Location:	New Bedford, N		Project No: 6505.009.01	See Site Map for Bori
Northing: 2694		814506	Date: 10/04/2002	Locations
Length:	7'	Recovery:	4'	<u> </u>
Drill Company	: CR	Method:	Vibracore	
Driller:	CR	Log By:	MM	
Depth (FT.) Interval (feet)	USCS Class	Trace < 10%, L	Description (Color, Texture, Structure) Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
1' 0-2	ог/он	Black organic silt,	well sorted, odor noted.	M205-1
2'				M205-2
2-3	оион	Black organic silt,	well sorted, sheen noted.	M205-3
3-4	оион	Black organic silt,	well sorted, shell and wood fragments present.	M205-4
5' 6'		Bottom of Explorat	tion	

Comments:

Dex	
environmental,	Inc.

Project:	î	New Redford H	arbor Dredge - F	Phase I		Boring No: M206	
		New Bedford, M			01		orina
					01	See Site Map for Boring Locations	
	2043330	9'		Date: 10/11/2002 5.5'		Locations	
Length:	2001		Recovery: Method:			-	
Drill Comp	oarry.	CR CR		Vibracore MM		-	
Driller:			Log By:	Description			r
Depth (FT.)	Interval (feet)	USCS Class	Trace < 10%, L	(Color, Texture, Structure) Little 10% to 20%, Some 20% to 35%, And 359	% to 50%	Sample ID	Notes
1'	0-1	ог/он	Black organic silt v	with trace fine sand (10%), odor note	d.	M206-1	
2'	1-2	SP	Dark gray sandy c	slay, top 3" is black, shell fragments p	present.	M206-2	
3'	2-3	CL	Gray silty clay, 5%	6 sand, peat present at 2.5'.		M206-3	
4'	3-4	CL	Gray silty clay, 10% sand, peat present at 3.5'.			M206-4	
5'	4-5	CL	Gray silty clay, minor shell fragments.			M206-5	
	5-5.5	SM	Light gray fine sand.			M206-6	
6'			Bottom of Explora	tion			

Comments:

Dex	
environmental,	inc.

Project:			arbor Dredge - Phase I	Boring No: M207	
Location:		New Bedford, M		See Site Map for B	oring
Northing: 26	43537		815616 Date: 10/11/2002	Locations	
Length:		9'	Recovery: 6.1'	Ť	
Drill Compar	ıy:	CR	Method: Vibracore	_	
Driller:		CR	Log By: MM		
£		ass	Description	٥	4.
h (F	_	S	(Color, Texture, Structure)	- ed	S
Depth (FT.)	(leet	USCS Class	Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
1'				M207-1	
0-3.	25	OL/OH	Black organic silt, increasing cohesion with depth, no sheen.	M207-2	
3'				M207-3	
4' 3.25	5-5	ML	Olive gray silt with an interbedded small sand lens composed of fine to medium sand with organic matter in sand.	M207-4	
5'				M207-5	
5-	6	SM	Medium to coarse sand with interbedded silt and shell fragments; 50% coarse sand, 30% medium sand, 10% gravel, 10% organics.	M207-6	
7'			Bottom of Exploration		

Dex	
environmental, i	nc.

Project:		larbor Dredge - Phase I	Boring No: M208	
Location:	New Bedford, I		See Site Map for E	Boring
Northing: 2693	334 Easting	: 815617 Date: 10/08/2002	Locations	
Length:	9'	Recovery: 6'		
Drill Company:		Method: Vibracore		
Driller:	CR	Log By: MM		-
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
0-1	OL/OH	Black organic silt.	M208-1	
1-2	ог/он	Black organic silt with trace fine sand.	M208-2	
2-3	оц/он	Black organic silt with trace sand.	M208-3	
3-4.5	оц/он	Black organic silt with trace sand.	M208-4	
5' 4.5-6	SM	Gray fine to medium sand with trace gravel and cobbles.		
6'		Bottom of Exploration	M208-5	
7' Comments:				

Dex	
environmental,	inc.

			MINO EGO		
			Phase I	Boring No: M209	
r: 1	New Bedford, M	Λ Α	Project No: 6505.009.01	See Site Map for Bo	oring
g: 2693189	Easting:	815553	Date: 10/07/2002	Locations	
	8'	Recovery:	4.8'	č	
mpany:	CR	Method:	Vibracore		
	CR	Log By:	MM	-	
Interval (feet)	USCS Class	Trace < 10%, L	(Color, Texture, Structure)	Sample ID	Notes
0-1	OL/OH	Black organic silt, o	odor noted.	M209-1	
1-2	оцон	Black organic silt, s	sheen noted.	M209-2	
2-3	оцон	Black organic silt w	vith small wood fragments.	M209-3	
3-4	CL	Dark to medium gr	ay clay.	M209-4	
4-4.8	SM	Coarse gray sand.		M209-5	
		Bottom of Explorat	ion		
	n: N: p: 2693189 mpany: mpany: 0-1 1-2 2-3	1: New Bedford, Mg: 2693189 Easting: 8' mpany: CR CR CR 1-2 OL/OH 2-3 OL/OH 3-4 CL	New Bedford Harbor Dredge - For the New Bedford, MA g: 2693189	New Bedford, MA	New Bedford Harbor Dredge - Phase Boring No: M209 New Bedford, MA



Decis -1		Now Dodford III	arbar Drades - 5	Dhaga I	Poring No. MO10	
Project:			arbor Dredge - F		Boring No: M210	lasiae
Location:		New Bedford, M		Project No: 6505.009.01	See Site Map for B	soring
Northing: 2	2693296			Date: 10/07/2002	Locations	
Length:		9.6'	Recovery:	6.3'	4	
Drill Comp	any:	CR	Method:	Vibracore	1	
Driller:		CR	Log By:	MM		
Depth (FT.)	Interval (feet)	USCS Class	Trace < 10%, L	Description (Color, Texture, Structure) ittle 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
1'	0-1	ог/он	Black organic silt w	vith trace sand, odor noted.	M210-1	
2'	1-2	ОГОН	Black organic silt w	vith trace sand, odor noted.	M210-2	
3'	2-3	оион	Black organic silt w	vith trace sand, sheen noted.	M210-3	
4'	3-4	оион	Black organic silt g	rading to silty clay, odor noted.	M210-4	
	4-5	CL	4-4.6': Gray silty cl	ay.		
5'		SM	4.6-5': Gray fine sa	and with shell fragments.		
6'	5-6.2	CL	Dark gray clay with of core.	trace silt and shell fragments, dense clay at bott	0	
7'	1		Bottom of Explorat	ion		

Dex	
environmental,	Inc.

		larbor Dredge - Phase I	Boring No: M211
Location:	New Bedford, N	MA Project No: 6505.009.01	See Site Map for Borir
Northing: 26934	473 Easting	: 815483 Date: 10/11/2002	Locations
Length:	10.5'	Recovery: 7'	
Drill Company:	CR	Method: Vibracore	1
Driller:	CR	Log By: MM	
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
1' 0-2	OL/OH	Black organic silt, increasing cohesion with depth, minor shell	M211-1
2'		fragments.	M211-2
2-3	ML	Olive gray silt with 0.5" lenses of medium to coarse sand.	M211-3
3-4.5	ML	Similar to 2-3' with black organic material lenses (0.25 to 0.5" thick),	M211-4
5' 4.5-5.6	ML	Similar to 3-4.5' with shell fragments.	M211-5
6' 5.6-6.5	sw	Gray coarse sand and gravel.	M211-6
7' 6.5-7 Comments:	6.5-6.8' 6.8-7'	Brown sand and gravel with silt. Yellow coarse sand and gravel. Bottom of Exploration	M211-7

Comments:

Bottom of Exploration



100				9.111.0 200		
Project			Harbor Dredge		Boring No: M212	
Locatio		New Bedford,		Project No: 6505.009.01	See Site Map for B	Boring
Northin	ng: 269341	2 Eastin	g: 815537	Date: 10/11/2002	Locations	
Length		10'	Recovery:	8.8'		
	mpany:	CR	Method:	Vibracore		
Driller:		CR	Log By:	MM		
T.)		ass		Description	D	
h(F	Te _	S O		(Color, Texture, Structure)	– Dec	o Ø
Depth (FT.)	Interval (feet)	USCS Class	Trace < 109	%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
			11455	o, Entre 1970 to 2577, Contro 2570 to 5570, 7 mb 5570 to 5570	***	
			170700 100 00 00			
	0-1	OL/OH	Black organic si	ilt, sheen and odor noted.	M212-1	
1'						
100						ž.
	1-2	OL/OH	Black organic si	ilt, sheen and odor noted.	M212-2	
2'						
	2-3	CL	Silty clay with s	hell fragments at 3', sheen noted.	M212-3	
	2-0	J 02	Only oldy with s	non magniones at o , shoot moted.	IVIZ IZ-O	
3'					,	:
			i.			
		01	D 1	T ST C W7 C S A ST	11010 1	
	3-4	CL	Dark gray sand	y clay with shell fragments in top 3'.	M212-4	
4'						
100						į.
	4-4.8	SM	Light gray fine s	sand.	M212-5	
					100000000	
5'						
- 0	4.8-5.4	SM	Medium gray sa	and	M212-6	
5					3	
6'	5.4-6	SM	Light gray fine s	sand.	M212-7	
0)
	6-7	SM	Dark gray medi	um sand with trace black sand.	M212-8	
7'						
e e						
6						
8'	7-8.8	SM	Medium brown	sand wuth slight orange tint.		
is a						
9'			Bottom of Explo	pration	- 	
Comme	nts:	Photographs tak		en også Sirotti EC		

Photographs taken.

Dex	
environmental,	Inc.

Project:		Harbor Dredge - Phase I	Boring No: M213
Location:	New Bedford,		See Site Map for Bori
Northing: 26933		g: 815487 Date: 10/11/2002	Locations
Length:	8'	Recovery: 6.5'	
Drill Company:	CR	Method: Vibracore	
Driller:	CR	Log By: MM	
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
0-1	ОГОН	Black organic silt.	M213-1
1-2	оц/он	Black organic silt.	M213-2
2-3	оц/он	Black organic silt.	
3-3.5	оц/он	Black organic silt with trace fine sand.	M213-3
4' 3.5-4	OL/OH	Black organic silt with trace fine sand.	
4-4.5	ог/он	Black organic silt with trace fine sand, gray clay, and shells.	M213-4
4.5-6.5	SW	Gray fine to medium sand with trace rounded gravel.	M213-5
7'		Rottom of Evolutation	

Comments:

Bottom of Exploration



Project:		arbor Dredge - Phase I	Boring No: M214
Location:	New Bedford, M		See Site Map for Boring
Northing: 26943	323 Easting	815073 Date: 10/07/2002	Locations
Length:	9'	Recovery: 4'	
Drill Company:	CR	Method: Vibracore	
Driller:	CR	Log By: MM	ī
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 5	Sample ID
0-1	OL/OH	Shell fragments, organics, dark to light gray medium sand.	M214-1
1-2	SM	Brown medium sand with with brown fine sand lens.	
2-3	SW	Fine sand with trace brown medium sand and cobbles.	
3-4	sw	Poorly graded brown coarse sand with cobbles of various s	izes.
5' 6'		Bottom of Exploration	



		DOMINO EGG		
Project:	New Bedford H	irbor Dredge - Phase I	Boring No: M215	
_ocation:	New Bedford, M		See Site Map for Bo	rin
Northing: 269450	D3 Easting:		Locations	
_ength:	3.5'	Recovery: 2.9'	S	_
Orill Company:	CR	Method: Vibracore		
Driller:	CR	Log By: MM		
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
0-1	SM	Medium to coarse sand with trace shell fragments and silt.		
2' 1-2.9	SM	Yellow medium sand with interbedded silt and coal/wood, small coarse gravel visible at end of core.		
5' 6'		Bottom of Exploration		



Project			Harbor Dredge - Phase I	Boring No: M216	
Locatio		New Bedford,		See Site Map for B	oring
Northin	g: 2694082	2 Easting	g: 815185 Date: 10/07/2002	Locations	
Length:		7'	Recovery: 4.2'		
Drill Co	mpany:	CR	Method: Vibracore		
Driller:		CR	Log By: MM		
Depth (FT.)	Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
1'	0-1	о⊔он	Black organics with trace sand, sheen noted, strong odor, shell fragments.	M216-1	
2'	1-2.5	ML	Black silt with shell fragments, trace sand and gray fine silt, large stone in middle of core.	M216-2	
3'	2.5-3.3	SM	Dark gray medium sand.	M216-3	
4'	3.3-4.2	SM	Brown medium sand with orange tint, well graded.	M216-4	
			Bottom of Exploration		
5'					
- 3					
O.					
6'					
25					
- 16					

Dex	
environmental,	Inc.

Project:			arbor Dredge - Phase I	Boring No: M217	
Location:		New Bedford, M		See Site Map for Bo	ring
Northing:	269518		815202 Date: 10/07/2002	Locations	
Length:		9'	Recovery: 6.9'		
Drill Com	pany:	CR	Method: Vibracore	1	
Driller:		CR	Log By: MM		
Depth (FT.)	Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
1'	0-1	OL/OH	Black organics with trace fine sand and silt, slight odor.	M217-1	
2'	1-2	OL/OH	Black organics with fine sand and silt, slight odor, wood fragments.	M217-2	
3'	2-3	SM	Brown medium sand, shell fragments, black lens at 28".	M217-3	
4'	3-4.5	SM	Brown/gray medium sand, well sorted.	M217-4	
6'	4.5-6.9	SW	Top 3" composed of poorly sorted cobbles, remainder is composed of light gray medium sand.	M217-5	
7'			Rottom of Evoluration		

Comments:

Bottom of Exploration



			G 25 W 1			
Project:		New Bedford H			Boring No: M218	
Locatio		New Bedford, M	~~~	Project No: 6505.009.01	See Site Map for B	oring
	g: 269531		11-2	Date: 10/07/2002	Locations	
Length:		10'	Recovery:	4'		
	mpany:	CR	Method:	Vibracore		
Driller:		CR	Log By:	MM		
Depth (FT.)	Interval (feet)	USCS Class	Trace < 10%,	Description (Color, Texture, Structure) Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
1'	0-1	ML	Gray sandy silt, sl	light odor, wood fragment present.	M218-1	
2'	1-2	ML	Light gray sandy s	silt with 3-4 wood fragments.	M218-2	
3'	2-3	SM	Light brown fine s	and with trace silt, gray lens present from 30-33	3°.	
4'	3-4	SM	Light gray fine sar bottom 1".	nd with shell fragments in bottom 3" and clay in		
5'			Bottom of Explora	ation		

Dex	
environmental,	Inc.

Project:		Harbor Dredge - Phase I	Boring No: M219
Location:	New Bedford,		See Site Map for Bori
Northing: 2695	520 Eastin	g: 815248 Date: 10/11/2002	Locations
Length:	9'	Recovery: 4.5'	
Drill Company:	CR	Method: Vibracore	
Driller:	CR	Log By: MM	-
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
0-1	OL/OH	Black silt, organics, odor and sheen noted.	M219-1
1-2	SM	Light gray medium sand with 1" lens of light gray clay at 1.5'.	M219-2
2-3	SM	Light to brownish medium sand.	M219-3
3-4.5	SM	Light gray medium sand with shell fragments.	M219-4
4'			
5'		Bottom of Exploration	
6'			
7'	1		1 1



Project:		Harbor Dredge - Phase I	Boring No: M220
Location:	New Bedford,		See Site Map for Borin
Northing: 2694	469 Easting	g: 815271 Date: 10/04/2002	Locations
Length:	5.8'	Recovery: 3.5'	
Drill Company	CR	Method: Vibracore	
Driller:	CR	Log By: MM	-
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
0-1	OL/OH	Black organic silt, wood and shell fragments, odor noted.	M220-1
1-1.8	OL/OH	Black organic silt, wood and shell fragments, odor noted.	
2' 1.8-2	SM	Light gray medium sand.	
2-3	SM	Light gray medium sand.	
3-3.5	SM	Brown medium sand.	
5'		Bottom of Exploration	
7' Comments:			



Project:		New Bedford H	arbor Dredge - F	Phase I	Boring No: M221
Locatio		New Bedford, M		Project No: 6505.009.01	See Site Map for Boring
	g: 2694149			Date: 10/07/2002	Locations
Length:		10'	Recovery:	4'	—
	mpany:	CR	Method:	Vibracore	
Driller:		CR	Log By:	MM	
Depth (FT.)	Interval (feet)	USCS Class		Description (Color, Texture, Structure) Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
1'	0-1	оц/он	Black silt		M221-1
2'	1-2	OL/OH	Black silt with trace	e sand (10%), dark gray silt at 2'.	M221-2
3'	2-3	sw	Gray fine sand, so	me cobbles in middle, poorly graded.	
4'	3-4	sw		nd, last 5" composed of black cobbles of varions, 30% sand, 10% fine sand).	ous
5' 6'			Bottom of Explorat	tion.	



Project:		Harbor Dredge - Phase I	Boring No: M222	
Location:	New Bedford,	MA Project No: 6505.009.01	See Site Map for B	oring
Northing: 26938		g: 814370 Date: 10/04/2002	Locations	
Length:	7'	Recovery: 3.6'	C.	
Drill Company:	CR	Method: Vibracore		
Driller:	CR	Log By: MM		
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
0-1	ог/он	Black organic silt, surface shells, worm tubes, odor and sheen noted.	M222-1	
1-2.6	OL/OH	Black organic silt.	M222-2	
3' 2.6-3	sw	Black coarse sand, poorly sorted, minor shell fragments, small stones.	M222-3	
3-3.6	SW	Brown coarse sand and gravel, poorly sorted, small cobbles.	M222-4	
5' 6'		Bottom of Exploration.		

Comments: Actual projected sample location M223 renamed M222 in Hypack samples.

Dex	
environmental,	inc.

Project:		Harbor Dredge - Phase I	Boring No: M223
Location:	New Bedford,		See Site Map for Bori
Northing: 2694		g: 814346 Date: 10/04/2002	Locations
_ength:	9'	Recovery: 5.5'	
Drill Company	: CR	Method: Vibracore	
Driller:	CR	Log By: MM	
Ê.	ass	Description	۵
h (f	S	(Color, Texture, Structure)	<u> </u>
Depth (FT.)	USCS Class	Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
1'			M223-1
0-3	ог/он	Black organic silt, slight sheen, one shell fragment.	M223-2
3'			M223-3
3-3.5	SM	Gray fine sand, poorly soretd, one shell fragment.	
3.5-3.	8 SM	Granular sand, well sorted.	M223-4
4' 3.8-4.	2 SM	Light gray fine to medium sand, trace shell fragments.	101223-4
4.2-4.	8 SM	Black medium sand and silt.	
5' 4.8-5.	5 SW	Coarse sand and gravel, small cobbles, poorly sorted.	M223-5
6'		Bottom of Exploration.	
7'	Actual projected	sample location M222 renamed M223 in Hypack samples	

Comments: Actual projected sample location M222 renamed M223 in Hypack samples.



Project:	New Bedford H	arbor Dredge - Phase I	Boring No: M224	
Location:	New Bedford, N	MA Project No: 6505.009.01	See Site Map for Bor	ring
Northing: 26937	725 Easting	814388 Date: 10/07/2002	Locations	
Length:	9'	Recovery: 4'		
Drill Company:	CR	Method: Vibracore		
Driller:	CR	Log By: MM		
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
0-1	CL	Gray clay with trace gravel and silt, and shell fragments.	M224-1	
1-2	CL	Gray clay and shell fragments.		
2-3	CL	Gray clay, shell fragments, and pieces of metal.		
3-4	CL	Gray clay with shell fragments concentrated at 4'.		
5' 6'		Bottom of Exploration.		

Dex	
environmental,	Inc.

			DOI/IIIO EGG			
Project:		North Terminal	Dredging Phase 1		Boring No: M401	
Location:	Š.	New Bedford, M		05.009.01	See Site Map for B	oring
Northing:			814518.72 Date: 04/04/20		Locations	ecessian rese
_ength:		6.5'	Recovery: 4.7'			
Orill Com	nany.	CR	Method: Vibracore		1	
Oriller:	pany.	Ray & Sal	Log By: TM		1	
			Description			f
Depth (FT.)	_	USCS Class	(Color, Texture, Structure	e)	Sample ID	l
te e	Interval (feet)	S	, , , , , , , , , , , , , , , , , , , ,	æ.	aldr aldr	es
e De	a ji	sn	Trace < 10%, Little 10% to 20%, Some 20% to 35	5%, And 35% to 50%	Sai	Notes
	0-1.8	OL/OH	Black organic silt, strong sheen noted.		M401-1 (0-1')	
1'	0 1.0		static organic only on only on other			l
					M401-2 (1-1.8')	l
7					W1401-2 (1-1.0)	l
01					72	
2'						l
						l
						l
3'						l
	1.7-4.7	SM	Gray silty sand with slight layering of OL/OH,	firm and well		l
			compacted.			l
55						l
4'						l
						l
						l
						l
- 17						l
5'		3	Bottom of Exploration		1	l
6'						
25						
3.5						
7'						

Dex	
environmental,	Inc.

			E 1.0 EN P	_ / 10 10 10 10 10 10	
Project:			Dredging Phase 1	Boring No: M402	
Location:		New Bedford, M		See Site Map for Bo	ring
Northing: 2	69605		814706.68 Date: 04/04/2003	Locations	
Length:	24424000000	5'	Recovery: 3.6'	4	
Drill Compa	any:	CR	Method: Vibracore	4	
Driller:		Ray & Sal	Log By: TM		
Depth (FT.)	Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
1')-1.8	OL/OH	Black organic silt.	M402-1 (0-1')	
25				M402-2 (1-1.8')	
2' 1.	8-2.4	SM	Gray fine to medium sand with silt.	M402-3 (1.8-3.0')	
3'	4-3.3	SM	Gray medium sand with organic silts and fine sand. Small amounts of coarse sand and fine gravel.		
3.3	3-3.6	SM	Yellow medium to coarse sand with little silt and no organics. Stone at 1.5" from top of layer break.		
5'			Bottom of Exploration		
6'					

Comments:

Rock in first core attempt.

Dex	
environmental,	inc.

Project:	North Termina	Dredging Phase 1	Boring No: M403
Location:	New Bedford,		See Site Map for Boring
Northing: 2695		: 814506.45 Date: 04/04/2003	Locations
Length:	7'	Recovery: 4.9'	uni Scholden (A.C.) help version ()
Drill Company:		Method: Vibracore	
Driller:	Ray & Sal	Log By: TM	
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
0-1.9	OL/OH	Black organic silt.	M403-1 (0-1')
			M403-2 (1-1.9')
1.9-3	SM	Fine sand with 1/4" layers of OL/OH	
3-3.7	SM	Fine to medium sand with black silt (sand is clean).	
4' 3.7-3.9	CL	Olive gray clay.	
3.9-4.9) SW	Yellow medium sand (sand is clean).	
		Bottom of Exploration	
6'			
7' Comments:	ļ		

Dex	
environmental,	Inc.

Project:		North Terminal	Dredging Phase 1	Boring No: M404
Location		New Bedford, N		See Site Map for Boring
	g: 269592		814805.84 Date: 04/04/2003	Locations
Length:		6.5'	Recovery: 4.5'	
Drill Co	mpany:	CR	Method: Vibracore	
Driller:		Ray & Sal	Log By: TM	
Depth (FT.)	(feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
1'				M404-1 (0-1')
2'	0-3	OL/OH	Black organic silt. Sheen noted.	M404-2 (1-2')
3'				M404-3 (2-3')
	3-3.75	SM	Fine gray sand with silt, shells noted.	M404-4 (3-4')
4'	3.75-4.5	SW	Medium sand with little silt, some thin 1/4" layers of consolidated OL/OH, shells and wood noted.	
			Bottom of Exploration	
5'				
6'				
7'				

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environmental, inc.

Project:	**************************************	North Termina	I Dredging Phase 1	Boring No: M405	
Locatio		New Bedford,	MA Project No: 6505.009.01	See Site Map for E	Boring
Northing	g: 269573	5.88 Easting	: 814658.02 Date: 04/04/2003	Locations	
Length:		5'	Recovery: 2.9'		
Drill Co	mpany:	CR	Method: Vibracore		
Driller:		Ray & Sal	Log By: TM		
FT.)	_	Class	Description (Color, Texture, Structure)	Ω.	
Depth (FT.)	Interval (feet)	USCS Class	Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
1'	0-1.2	ог/он	Black organic silt, sheen noted.	M405-1 (0-1.2')	
	1.2-1.4	SM	Fine sand and silt.		
	1.4-1.8	SM	Gray medium sand with silt.		
2'	1.8-2	SW	Black medium sand with silt.		
3'	2-2.9	sw	Yellow medium to coarse sand and gravel.		
			Bottom of exploration.		
4'					
5'					
6'					
왕					
· ·					
7'					

Comments: Second attempt.

Dex	
environmental,	inc.

Project:	North Terminal	Dredging Phase 1	Boring No: M406	
Location:	tion: New Bedford, MA Project No: 6505.009.01		See Site Map for B	Boring
Northing: 26956	orthing: 2695614 Easting: 814475.15 Date: 04/04/2003		Locations	
Length:	5.5'	Recovery: 4.3'		
Drill Company:	CR	Method: Vibracore		
Driller:	Ray & Sal	Log By: TM	7	
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
0-1.4	ОГЛОН	Black organic silt. Thin piece of material noted at 1.3'.	M406-1 (0-1.4')	
2' 1.4-2.6	SM	Gray silt and fine sand with 1/4" layer of fine brown sand. Soft	M406-2 (1.4-2.4')	
3' 2.6-4.3	SM	Medium to coarse sand with silt.		
5'		Bottom of Exploration		
6'				

Comments: Second attempt. First attempt no recovery.

Dex	
environmental,	inc.

Project		North Terminal	Dredging Phase 1		Boring No: M407	
Locatio			See Site Map for B	oring		
	g: 269561		814892.89	Date: 04/04/2003	Locations	Jing
Length		6.5'	Recovery:	5.2'	Locations	
	mpany:	CR	Method:	Vibracore	-	
Driller:	лирану.	Ray & Sal	Log By:	TM	-	
	-		Log Dy.	Description	- 3	
FT (FT	_	CS Sas		(Color, Texture, Structure)	<u>Q</u>	
Depth (FT.)	Interval (feet)	USCS Class			Sample ID	Notes
De	Tī ej	รา	Trace < 10%, Little	10% to 20%, Some 20% to 35%, And 35% to 50%	Sa	ž
1'					M407-1 (0-1')	
2'	0-2.9	OL/OH	Black organic silt.		M407-2 (1-2')	
3'					M407-3 (2-2.9')	
4'	2.9-4	SM	Black/gray fine sand a 3.7' - 4'.	and silt with OL/OH layers between		
5'	4-5.2	SW	Brown/gray fine sand	grading to medium sand.		
			Bottom of Exploration			
6'						
Common		Third attempt				3

Comments: Third attempt.

Dex	
environmental,	Inc.

			DOMINO LOG	
Project:		North Terminal	Dredging Phase 1	Boring No: M408
Location	า:	New Bedford, M	A Project No: 6505.009.01	See Site Map for Borin
	g: 269544		814820.77 Date: 04/04/2003	Locations
Length:		6'	Recovery: 3.5'	Commonwell Back Notice of Magician Common
Drill Cor		CR	Method: Vibracore	7
Driller:		Ray & Sal	Log By: TM	7
Depth (FT.)	Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
1'	0-2.2	оцон	Black organic silt.	M408-1 (0-1') M408-2 (1-2')
3'	2.2-3.1	SM	Gray fine sand and black organic silt.	M408-3 (2-3')
	3.1-3.5	SM	Brown fine sand and silt.	7
5'			Bottom of Exploration	



Project:	North Termina	Dredging Phase 1	Boring No: M409
Location: New Bedford, M			See Site Map for Boring
Northing: 26954		: 814583.11 Date: 04/04/2003	Locations
Length:	5'	Recovery: 3.1'	Company Section (Control of Control of Contr
Drill Company:	CR	Method: Vibracore	
Driller:	Ray & Sal	Log By: TM	
Depth (FT.) Interval (feet)	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
1' 0-1.9	оц/он	Black organic silt.	M409-1 (0-1')
2'			M409-2 (1-2')
1.9-2.3	SM	Gray/brown fine sand with silt and trace black organics.	
2.3-3.1	SM	Medium sand with silt and trace coarse sand, wood piece noted.	
4'		Bottom of exploration.	
6'			

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environm	ental, inc.

Project		North Terminal	Dredging Phase 1	Boring No: M410
	Location: New Bedford, MA Project No: 6505.009.01		See Site Map for Boring	
	g: 269531		814505.29 Date: 04/04/2003	Locations
Length		5'	Recovery: 3.8'	2004.10110
	mpany:	CR	Method: Vibracore	-
Driller:	прапу.	Ray & Sal	Log By: TM	_
	f		Description	75
Depth (FT.)	_	USCS Class	(Color, Texture, Structure)	Sample ID
tt.	Interval (feet)	8		Sample
<u>a</u>	Tite (Fe	รา	Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	No Sa
1"				M410-1 (0-1')
2'	0-2.5	ог/он	Black organic silt, sheen noted.	M410-2 (1-2')
3'	2.5-3	OL	Gray/black organic silt, stiff, sheen noted.	M410-3 (2-3')
· · · · · ·	3-3.6	SM	Gray fine sand with trace black organic silt.	
6 55	3.6-3.8	SW	Gray sand and gravel with coarse silt and sand.	
5'		Dofinitaly refused	Bottom of exploration	

Comments: Definitely refusal.



	900 10: 25: (d i		E 17 820 8202000 00	
Project:		Dredging Phase 1	Boring No: M411	
Location:	New Bedford, N		See Site Map for Bo	oring
Northing: 26952		: 814722.04 Date: 04/07/2003	Locations	
Length:	5'	Recovery: 3.4'	_	
Drill Company:	CR	Method: Vibracore	_	
Driller:	Ray & Sal	Log By: TM		
Depth (FT.)	USCS Class	Description (Color, Texture, Structure)	₽	
Depth (Interval	8	(Oolor, Texture, Structure)	Sample ID	Se
(fee	Ŋ N	Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sar	Notes
0-0.8	OL/OH	Black organic silt	M411-1 (0-0.8')	
0.8-1.6	SM	Gray fine sand with silt.	M411-2 (0.8-1.6')	
2' 1.6-2.6	sw	Yellow medium to coarse sand with 1/4" layers of gray fine sand.		
3' 2.6-3.4	SW	Sample lost when returning core barrel, presumed sandy.		
4'		Bottom of exploration		
5'				
6'				
7'	2			

Comments: First attempt 7' penetration, core barrel fell over. Used second core. Third attempt, 6' penetration and 3' recovery.



Project			l Dredging Phase		Boring No: M412	
Location: New Bedford, MA Project No: 6505.009.01			See Site Map for B	oring		
Northin	ng: 269510	3.46 Easting	: 814900.57	Date: 04/07/2003	Locations	
Length		5.5'	Recovery:	3.3'		
Drill Co	ompany:	CR	Method:	Vibracore		
Driller:		Ray & Sal	Log By:	TM		
Depth (FT.)	Interval (feet)	USCS Class	Trace < 10%, Li	Description (Color, Texture, Structure) ittle 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
1'	0-2	о⊔он	Black organic silt a sand at 1.1'.	and clay with sand and 1/4" layer of medium	M412-1 (0-1') M412-2 (1-2')	
2'	2-3.5	SW	Gray fine sand with	n little silt.		
5'			Bottom of explorati	ion		

Comments:

First attempt logged. Four total attempts. Second attempt: 7'/2.8', all OL/OH.

Third attempt: 6%, no recovery. Fourth attempt: 7'/2', all OL/OH.

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environmental	, inc.

		720 RE 25 G :		
			Dredging Phase 1	Boring No: M413
Location: New Bedford, M				See Site Map for Borin
	g: 269516		: 814451.77 Date: 04/07/2003	Locations
Length:		6.5'	Recovery: 4.7'	_
	mpany:	CR	Method: Vibracore	
Driller:		Ray & Sal	Log By: TM	_
Ê		ass	Description	۵
£ £	val	တ္	(Color, Texture, Structure)	eld g
Depth (FT.)	Interval (feet)	USCS Class	Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID
				M413-1 (0-1')
1'	0-2	оц/он	Black organic silt , sheen noted at 1.9'.	
-				M413-2 (1-2')
2'				
	2-2.6	OL	Dark gray clay and silt.	
3'	2.6-3.1	SM	Gray medium sand with layers of black organic silt.	
4'	3.1-3.9	SM	Medium yellow sand and silt.	
	3.9-4.7	SM	Coarse sand with silt.	
5'	3	5	Bottom of exploration	_
			Bottom of exploration	
6'				
7.				
7'	3		nterhoddod OL/OH	

Comments: Large number of interbedded OL/OH.

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Project:			Dredging Phase 1		Boring No: M414	
Location: New Bedford, M				See Site Map for Borin		
			814963.43	Date: 04/07/2003	Locations	
Length:		7.5'	Recovery:	5.1'		
Drill Com	pany:	CR	Method:	Vibracore		
Driller:		Ray & Sal	Log By:	TM	7	
Depth (FT.)	Interval (feet)	USCS Class	Trace < 10%, Little	Description (Color, Texture, Structure) 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
1'		01/01/	Direct constant in the		M414-1 (0-1')	
2'	0-2.3	OL/OH	Black organic silt.		M414-2 (1-2.3')	
3'	2.3-3.1	SM	Fine brown sand and	silt, loose.	M414-3 (2-3.1')	
4'	3-4.8	SC	Olive-brown clay with silt at 4.0'.	sand. 1.5" layer of dark gray sand and		
5'	4.8-5.1	SP		vel with little medium sand.		
6'			Bottom of exploration			

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		DOMINO LOG		
Project:	North Termina	I Dredging Phase 1	Boring No: M415	
Location:	New Bedford,	MA Project No: 6505.009.01	See Site Map for E	Boring
Northing: 269		: 815018.69 Date: 04/07/2003	Locations	
Length:	5'	Recovery: 3.5'		
Drill Company		Method: Vibracore		
Driller:	Ray & Sal	Log By: TM	_	
Depth (FT.) Interval (feet)	lass	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%	Sample ID	Notes
0-1.5	5 OL/OH	Black organic silt.	M415-1 (0-1.5')	
2' 1.5-2	2 SW	Fine brown sand.		
2-2.4	4 SM	Light gray silty sand. Fine grained.		
3' 2.4-3	5 SW	Coarse sand and gravel (cobbles approx. 2") with little silt.		
4' 5'		Bottom of exploration		
6'				

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			50.	WING EGG			
Project:	8	North Terminal	Dredging Phase	1		Boring No: M416	
Location:		New Bedford, M		Project No: 6505.009.01	ĺj.	See Site Map for B	Boring
Northing: 2			814643.74	Date: 04/07/2003		Locations	econnic (Mari
Length:		5'	Recovery:	3.4'		(
Drill Comp	anv:	CR	Method:	Vibracore		1	
Driller:		Ray & Sal	Log By:	TM		1	
FT.)	Interval (feet)	USCS Class		Description (Color, Texture, Structure) tle 10% to 20%, Some 20% to 35%, And 35% t	o 50 %	Sample ID	Notes
1'	0-0.9	OL/OH	Black organic silt wi	ith shell and wood fragment, sheen no	oted.	M416-1 (1-0.9')	
2' 0	.9-3.4	ОН	Blue/gray clay with	fine sand and silt, cohesive.			
5' 6'			Bottom of exploration	on			

Comments:

Three photos taken.



<u> </u>						
Project	:	North Terminal	Dredging Phase 1		Boring No: M417	
Location: New Bedford, N			IA Project	No: 6505.009.01	See Site Map for B	Boring
Northin	ng: 269500	9.09 Easting	814731.64 Date: 0	4/07/2003	Locations	
Length	:	5'	Recovery: 1.8'			
Drill Co	mpany:	CR	Method: Vibraco	ore	1	
Driller:		Ray & Sal	Log By: TM		3	
Depth (FT.)	Interval (feet)	USCS Class	Descript (Color, Texture, Trace < 10%, Little 10% to 20%, Some	Structure)	Sample ID	Notes
1'	0-1.3	ог/он	Black organic silt with trace fine sand fragments.	l and some shell	M417-1 (0-1.3')	
	1.3-1.8	SM	Gray fine sand and silt, cohesive.			
2'			Bottom of exploration			
	1		.80			
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3'	ł					
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	1					
4'	1					
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5'	1					
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6'	ł					
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-71						
7'	3	2				3

Comments: 13:44- No recovery

13:54- 1/2' recovery, wood, shells, etc. Point moved North 50'. No refusal.

14:03- 5'/1.8', 1.3' OL/OH, 0.5' clay. No refusal.

14:13- 1.51/?, OL/OH. No refusal.

14:20- 21/1.21, 0.91 OL/OH, 0.31 clay.

14:29- 1.21/?, 0.6' OL/OH, 0.6' yellow layered clay with fine sand (see photo).

	M	AGUIRE	GROUP INC.	VIE	RACORE	LOG	
PROJECT: 16421 - MACZM - DMMP				BORING NO.	NBH-201-SED		
LO	CATION:	New Bedfe	ord Harbor, MA	PAGE 1 OF	1		_
DR	ILLING CO:	CR Enviro	nmental	DATE STARTED:	10/.	10/2002	_
EQ	UIPMENT:	Cyprinodo	0	DATE FINISHED:	10/1	10/2002	_
DRI	ILLED BY:	Capt. Eric	Steele	SEDIMENT ELEVATI	(0) 33.	.5 Feet	_
INS	PECTED BY:	: Dorian Ber	trano				
	Location Coc 817,019 m 2,690,933 r	E		TYPE: SIZE ID: PENETRATION:	CASING VibraCore 4"	SAMPLER PE Liner 4" 12'	CORE BAR
<u></u>	·			FENETRATION.		12	
L			SAMPLE DATA	A	, ,		
DEPTH (ft)	SAMPLING DEPTH FROM - TO	STRATA CHANGE (ft)	LITHOLOGY (Description o	f materials)	SAMPLE	PEN/ RECOV (in./in.)	HNU
	0-1.5		MARINE: SILT; organic Silt, dark gray, slight she saturated.	een, shell fragments,	S-1	126/126	
_	1.5-3.3				S-2		
_			MARINE: SANDY SILT; organic Silt, 10-15% fir	ne Sand, dark gray, saturated,			
_	3.3-5				S-3		
5.0					<u> </u>		
			GRAVELLY SAND; 10-15% fine sub-rounded Grabrown, saturated.	avel, coarse to fine Sand,			
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10.0							
			Bottom of Vibracore - 10.5*				
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PROJECT: 16421 - MACZM - DMMP	
DRILLING CO: CR Environmental DATE STARTED: 10/10/2002 EQUIPMENT: Cyprinodon DATE FINISHED: 10/10/2002 DRILLED BY: Capt. Eric Steele SEDIMENT ELEVATIO: Not Determined INSPECTED BY: Dorian Bertram	
EQUIPMENT: Cyprinodon DRILLED BY: Capt. Eric Steele INSPECTED BY: Dorian Bertram Location Coordinates SIG,046 m E 2,691,483 m N SAMPLE DATA	
DRILLED BY: Capt. Eric Steele INSPECTED BY: Dorian Bertram Location Coordinates TYPE: VibraCore PE Limer	
Location Coordinates	
Location Coordinates	
SAMPLE DATA SAMPLING (ft) DEPTH CHANGE LITHOLOGY (Description of materials) SAMPLE DEPTH FROM - TO (ft) MARINE: SILT; organic Silt, <5% fine Sand, sheen, black, saturated. S-2 64/64	
DEPTH (ft) DEPTH CHANGE (ft) LITHOLOGY (Description of materials) ID RECOV (in/m) O-2 MARINE: SILT; organic Silt, <5% fine Sand, sheen, black, saturated. S-2 64/64 S-2 MARINE: SILTY CLAY; non-plastic Clay, organic Silt, gray, saturated. MISCELLANEOUS FILL: SILTY SAND; medium to fine Sand, 10-15% organic non-plastic fines, shell and metal fragments. Bottom of Vibracore - 5.3'	CORE BAR
(ft) DEPTH FROM - TO (ft) (ft) (Description of materials) (ft) (in/in.) O-2 MARINE: SILT; organic Silt, <5% fine Sand, sheen, black, saturated. S-2 64/64 2-4 S-2 MARINE: SILTY CLAY; non-plastic Clay, organic Silt, gray, saturated. 4-5.3 MISCELLANEOUS FILL: SILTY SAND; medium to fine Sand, 10-15% organic non-plastic fines, shell and metal fragments. Bottom of Vibracore - 5.3'	
2-4 MARINE: SILTY CLAY; non-plastic Clay, organic Silt, gray, saturated. 4-5.3 MISCELLANEOUS FILL: SILTY SAND; medium to fine Sand, 10-15% organic non-plastic fines, shell and metal fragments. Bottom of Vibracore - 5.3'	
MARINE: SILTY CLAY; non-plastic Clay, organic Silt, gray, saturated. 4-5.3 MISCELLANEOUS FILL: SILTY SAND; medium to fine Sand, 10-15% organic non-plastic fines, shell and metal fragments. Bottom of Vibracore - 5.3'	
MARINE: SILTY CLAY; non-plastic Clay, organic Silt, gray, saturated. 4-5.3 MISCELLANEOUS FILL: SILTY SAND; medium to fine Sand, 10-15% organic non-plastic fines, shell and metal fragments. Bottom of Vibracore - 5.3'	
4-5.3 MISCELLANEOUS FILL: SILTY SAND; medium to fine Sand, 10-15% S-3 organic non-plastic fines, shell and metal fragments. Bottom of Vibracore - 5.3'	
5.0 organic non-plastic fines, shell and metal fragments. Bottom of Vibracore - 5.3'	
5.0 organic non-plastic fines, shell and metal fragments. Bottom of Vibracore - 5.3'	
Bottom of Vibracore - 5.3'	
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GENERAL REMARKS:	

		M	IAGUIRE	GROUP INC.	VIB	RACORE	LOG	
	∠R0	OJECT:	16421 - M	ACZM - DMMP	BORING NO.	NBH	I-203-SED	
	LO	LOCATION: New Bedford Harbor, MA			PAGE 1 OF	·	11	
	DR	ILLING CO:	CR Environ	nmental	DATE STARTED:	10/	10/2002	_
Į	EQU	JIPMENT:	Cyprinodor	1	DATE FINISHED:	10/	10/2002	_
	DRI	LLED BY:	Capt. Eric S	Steele	SEDIMENT ELEVATI	Oì Not D	etermined	-
Ţ	INS)	PECTED BY	: Dorian Bert	tram				
		Location Coc 816,497 m 2,691,987 r	E		TYPE: SIZE ID: PENETRATION:	CASING VibraCore 4" 12'	SAMPLER PE Liner 4" 12'	CORE BAR
L				SAMPLE DAT	Ά			
ſ	DEPTH (ft)	SAMPLING DEPTH FROM • TO	STRATA CHANGE (ft)	LITHOLOGY (Description	of materials)	SAMPLE ID	PEN/ RECOV (in./in.)	
r		0-2.7		MARINE: SILTY CLAY; non-plastic Clay, orga	nic Silt, gray, saturated.	S-1	60/60	
	-			1				
1	_							
ı		2.7-5			·····	S-2		
L	_			GRAVELLY SILTY SAND; 10-15% coarse to fi 10-15% non-plastic organic Fines, gray, saturated.	ne Gravel, coarse to fine Sand,			
ı	-			10-1276 non-plastic organic i mes, gray, saturatet.		<u> </u>		
<u> </u>	5.0				· ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
			ı	Bottom of Vibracore - 5'				
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	M	AGUIRE	GROUP INC.	VIB	RACORE	LOG	
PR	ОЈЕСТ:	16421 - M	ACZM - DMMP	BORING NO.	NBH-204-SED		
LO	CATION:	New Bedfo	ord Harbor, MA	PAGE 1 OF		1	_
DR	ILLING CO:	CR Environ	nmental	DATE STARTED:	10/	10/2002	_
EQ	UIPMENT:	Cyprinodor	1	DATE FINISHED:	10/	10/2002	_
f	LLED BY:	Capt. Eric S		SEDIMENT ELEVATION	Oì Nọt D	etermined	_
INS	PECTED BY:	Dorian Bert	tram	! 			
	Location Coc 817,274 m 2,695,483 r	E	1	TYPE: SIZE ID: PENETRATION:	CASING VibraCore 4" 12'	SAMPLER PE Liner 4" 12'	CORE BAR
			SAMPLE DATA	· ·			
DEPTH (ft)	SAMPLING DEPTH FROM - TO	STRATA CHANGE (ft)	LITHOLOGY (Description of	materials)	SAMPLE ID	PEN/ RECOV (in./in.)	
-	0-1.5		MARINE: SILTY SAND; medium to fine Sand, or fragments and qualogs, charcoal gray to olive, satura		S-1	56/56	
_	1.5-2.2		MARINE: SAND; medium to fine Sand, olive, satur	rated.	S-2		
	2.2-4.6		MARINE: CLAY; morganic and organic non-plastic	c Clay.	S-3		
_			,				
_					-		
5.0			Bottom of Vibracore - 4.6'	····· <u>-</u> ·····			
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MAGUIRE GROUP INC.				VIBRACORE LOG				
PROJECT: 16421 - MACZM - DMMP			IACZM - DMMP	BORING NO.	NBH-205-SED			
LOCATION: New Bedford Harbor, MA			ord Harbor, MA	PAGE 1 OF		1		
DRILLING CO: CR Environmental			nmental	DATE STARTED:	10/10/2002		_	
EQUIPMENT: Cyprinodon			n	DATE FINISHED: 10/10/2002			_	
DRILLED BY: Capt. Eric Steele			Steele	SEDIMENT ELEVATIO1 Not Determined			-	
INS	PECTED BY:	Dorian Ber	tram	ļ				
	Location Coc 816,178 m 2,696,663 n	E		TYPE: SIZE ID: PENETRATION:	CASING VibraCore 4"	SAMPLER PE Liner 4" 12'	CORE BAR	
 			SAMPLE DATA	<u> </u>		<u> </u>		
DEPTH	SAMPLING	STRATA	SAMPLE BATA	<u>. </u>	SAMPLE	PEN/		
(ft)	DEPTH FROM - TO	CHANGE (ft)	LITHOLOGY (Description of	f materials)	ID	RECOV (in./in.)		
	0-2	(10)	MARINE: SILT; inorganic non-plastic Silt, shell it	ash, wood debris, peat, dark	S-1	150/150		
-	<u></u>		gray to olive gray, saturated.					
_								
_	MARINE: SILT; inorganic non-plastic Silt, gray, saturated.				S-2			
	4-6 MARINE: SILT; SAME AS ABOVE.				S-3			
5.0								
-1			MADINE, SHIT, SAME AS ADOME.					
	6-8 MARINE: SILT; SAME AS ABOVE:				S-4			
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	M	AGUIRE GROUP INC.	VIBRACORE LOG			
1	OJECT:	16421 - MACZM - DMMP	BORING NO.	ИВН	NBH-206-SED	
1	CATION:	New Bedford Harbor, MA	PAGE I OF		1	_
DRI	ILLING CO:	CR Environmental	DATE STARTED:	10/	10/10/2002	
EQU	JIPMENT:	Cyprinodon	DATE FINISHED:	FINISHED: 10/10/2002		_
DRILLED BY: Capt. Eric Steele			SEDIMENT ELEVAT	DIMENT ELEVATION Not Determined		_
INSPECTED BY: Dorian Bertram						
	Location Coo 816,044 m l 2,696,107 m	E ² N	TYPE: SIZE ID: PENETRATION:	CASING VibraCore 4" 12'	SAMPLER PE Liner 4" 12'	CORE BAR
		SAMPLE DA	ГА			
DEPTH (ft)	SAMPLING DEPTH FROM - TO	STRATA CHANGE LITHOLOGY (Description (ft)	of materials)	SAMPLE ID	PEN/ RECOV (in./in.)	
	0-2	MARINE: SILT; organic non-plastic Silt, shell i	S-1	144/144		
•	 			 		
_				S-2		
	2-4 MARINE: SILT; SAME AS ABOVE.					
-	 			 		
_						-
د م ا	4-6	MARINE: SILT; SAME AS ABOVE.		S-3		
5.0				-		
	6-7	MARINE; SILT; SAME AS ABOVE.		S-4		
+				 		
7						
						
10.0						
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<u> </u>				 		
		Bottom of Vibracore - 12'				
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	ENERAL REM	ARKS:				
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