APPENDIX A

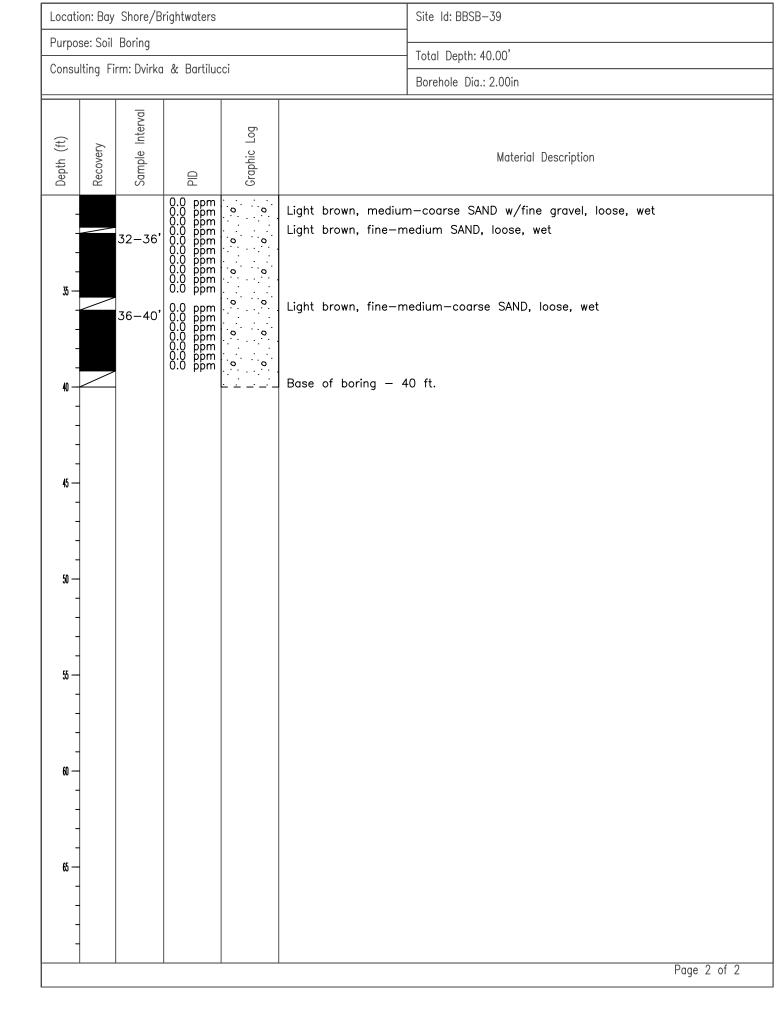
SUPPLEMENTAL FIELD PROGRAM BORING LOGS AND TEST PIT LOGS

				Site Id: BBSB-37	
		virka nd		Location: Bay Shore/Brightwaters	
	())	artilu	ссі	Purpose: Soil Boring	
A DIVISION O	DE WILLIAM F. O	NSULTING E DSULICH ASSC		Date(s): 01/10/02 - 01/10/02	
				Total Depth: 50.00'	
				Remarks: Samples selected for analysis at 4-6', 8-10',	
				12-14', and 48-50'.	
	•			-	
				-	
	ronmental			-	
Borehole Dia.: 2.00in			1		
Depth (ft) Recovery Sample Interval	DIA	Graphic Log		Material Description	
x x x x x x x x x x x x x x	0-4' 0.0 ppm 0.0		Light orange brown, Light orange brown, Orange and gray, C Orange brown-dark hydrocarbo Lt orange brown, m gray stain Black, medium-coar strong hyd Grayish black-black, staining th 13-14', s Brown, medium-fine banding th Brown, medium-coa sample pla	DPSOIL w/trace fine gravel, loose, moist medium SAND, loose, moist medium-coarse SAND w/fine gravel, loose, moist LAY, medium dense, plastic, wet brown, medium-coarse SAND w/fine gravel, loose, strong on-like odor, wet redium-coarse SAND w/trace f gravel, loose, spotty black- ing, mild hydrocarbon-like odor, dry to wet at 9' rse SAND w/fine gravel, loose, shiny black staining, very drocarbon-like odor, wet , medium-coarse SAND w/trace fine gravel, loose, black hroughout, saturated w/NAPL, coal tar staining from strong naphthalene-like odor, wet e-coarse SAND w/fine gravel, loose, coal tar staining and hroughout, moderate naphthalene-like odor, wet aced in plastic bag, headspace PID) ium-fine-coarse SAND, loose, black banding throughout, in coarser lenses, tar staining on bottom 3" of liner, brown, fine-medium-coarse SAND, loose, very viscous	
	0.0 ppm	o o			
$ \begin{array}{c} 0 - 4' & 0.0 ppm \\ 0.0 ppm \\ $				DPSOIL w/trace fine gravel, loose, moist medium SAND, loose, moist medium-coarse SAND w/fine gravel, loose, moist LAY, medium dense, plastic, wet brown, medium-coarse SAND w/fine gravel, loose, stron on-like odor, wet ledium-coarse SAND w/trace f gravel, loose, spotty black ing, mild hydrocarbon-like odor, dry to wet at 9' rse SAND w/fine gravel, loose, shiny black staining, very drocarbon-like odor, wet , medium-coarse SAND w/trace fine gravel, loose, black hroughout, saturated w/NAPL, coal tar staining from strong naphthalene-like odor, wet e-coarse SAND w/fine gravel, loose, coal tar staining an- hroughout, moderate naphthalene-like odor, wet trise SAND w/trace fine gravel, loose, wet (liner jammed, aced in plastic bag, headspace PID) ium-fine-coarse SAND, loose, black banding throughout, in coarser lenses, tar staining on bottom 3" of liner,	

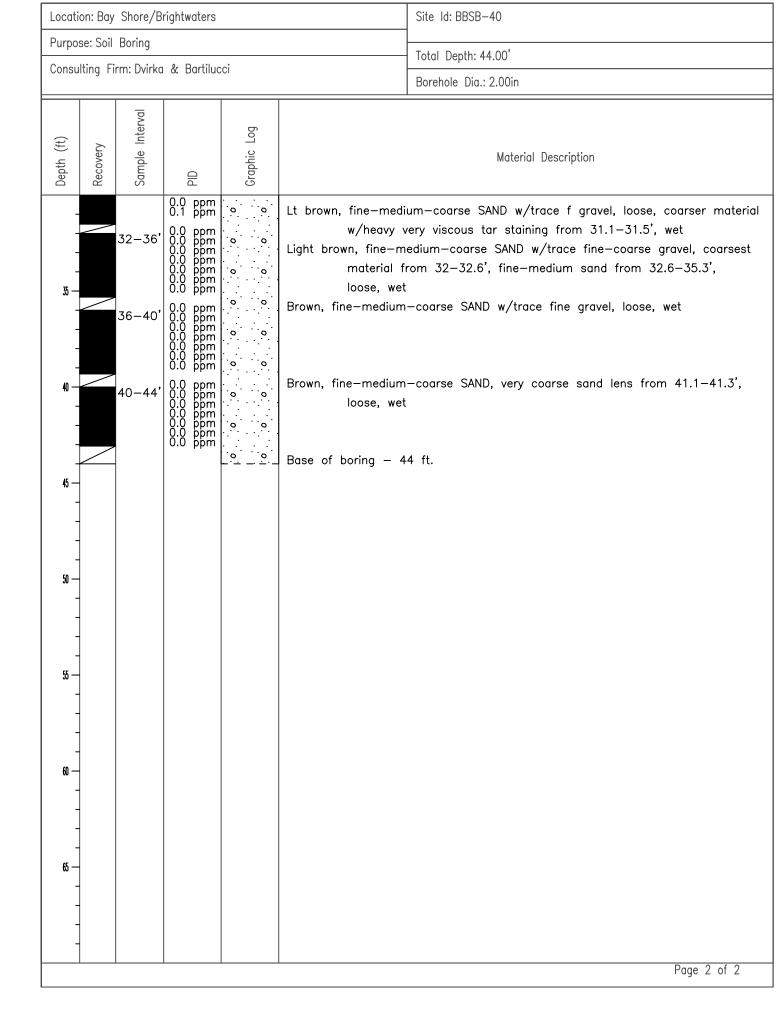
Locati	Location: Bay Shore/Brightwaters					Site Id: BBSB-37
Purpo	Purpose: Soil Boring					Total Depth: 50.00'
Consulting Firm: Dvirka & Bartilucci			ci		Borehole Dia.: 2.00in	
Depth (ft)	Recovery	Sample Interval	QId	Graphic Log		Material Description
-		32–36'	0.0 ppm 0.0 ppm	0 0 0 0	Light brownish orang	edium SAND, loose, wet je, fine—medium SAND, loose, wet (liner jammed, sample plastic bag, headspace PID)
35 — - - -		36–40'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0		ge, fine—medium—coarse SAND, loose, faint e—like odor, wet
40 — - - -		40–44'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0		-medium—coarse SAND, loose, wet
- 45 — -		44–48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	loose, wet	
-		48–50'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · ·	Brown, fine-medium	
50			pp	בי הי באים ב	Base of boring — 5	0 ft.
-						
-						
55 —						
-						
-						
60 —						
-						
-						
- 65						
-						
-						
						Page 2 of 2

		Site Id: BBSB-38
Dvirka		Location: Bay Shore/Brightwaters
and Bartilu	ссі	Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASS	NGINEERS XIATES, P.C.	Date(s): 01/10/02 - 01/10/02
		Total Depth: 28.00'
Elevation: 24.26'		Remarks: Samples selected for analysis at 6-8', 10-12',
Datum: Mean Sea Level		and 24-26'.
Logged By: William J. Ryan		-
Drilling Method: Geoprobe		-
Contractor: Zebra Environmental		-
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Craphic Log		Material Description
0-4' 0.0 ppm 0.0 pp	Dark black, medium naphthale Lt brown, medium a combin Light-dark brownish black stai Light brown, medium staining, Dark black, medium like odor, Blackish gray, medi hydrocarb Tan-orange, mediur wet Light brownish oran	um-fine-coarse SAND w/trace fine gravel, loose, faint on-like odor, wet n-fine-coarse SAND w/fine gravel from 13-14.75', loose, ge, medium-fine-coarse SAND w/fine gravel, loose, wet nedium-coarse SAND, trace fine gravel, loose, wet
		Page 1 of 1

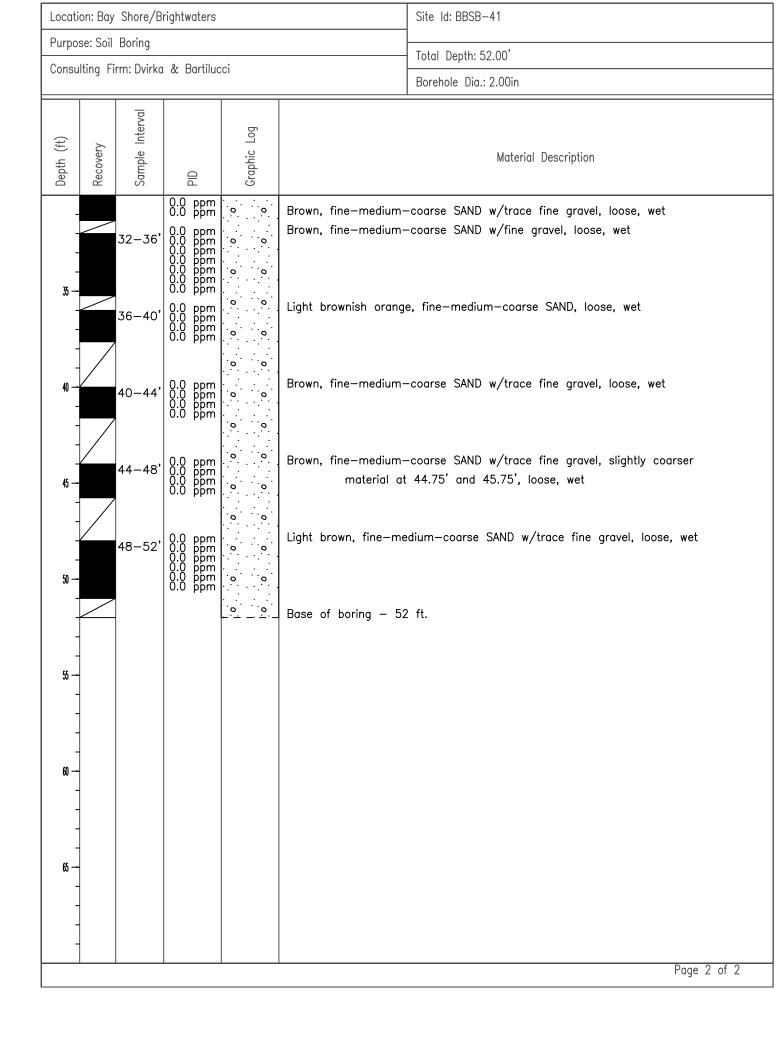
	Site Id: BBSB-39		
Dvirka	Location: Bay Shore/Brightwaters		
and Bartilu			
A DIVISION OF WILLIAM F. COSULICH ASSO			
	Total Depth: 40.00'		
Elevation: 23.36'	Remarks: Samples selected for analysis at 4-6', 10-12',		
Datum: Mean Sea Level	12-14', and 38-40'.		
Logged By: William J. Ryan			
Drilling Method: Geoprobe			
Contractor: Zebra Environmental Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log			
Depth (ft) Recovery Sample Inter PID Graphic Log	Material Description		
0-4' 0.0 ppm 1.1.1.1 0.0 ppm 1.1.1.1 0.0 ppm 1.1.1.1 43.4 ppm 1.1.1.1 16.7 ppm 23.7 ppm	Light orange brown, fine-medium silty SAND, loose, moist		
43.4 ppm	Black, fine-medium SAND w/fine gravel, loose, heavy staining, faint naphthalene-like odor, moist		
78.8 ppm	Black, medium-coarse SAND, loose, heavy staining, faint naphthalene-like		
5-145 ppm	odor, moist		
- 343 ppm · · · · · · · · · · · · · · · · · ·	Light brown, fine-medium SAND, loose, minor black banding at 6.5', strong naphthalene-like odor, moist		
	Black (blackish gray from 11-11.5'), medium-coarse SAND, coarser sand		
	w/f gravel from 8—10.5', loose, heavy staining throughout, saturated with a light oil, strong hydrocarbon—like odor,		
10	wet at 8.5'		
12–16' 6.3 ppm	Light brown, medium-coarse SAND w/trace fine gravel, coaser material from		
- 7.6 ppm	12—13', loose, coal tar (DNAPL) staining from 12—13', faint naphthalene—like odor, wet		
15-			
16-20' 0.0 ppm	Light brown, medium-fine-coarse SAND w/fine gravel, loose, wet		
20-24' 0.0 ppm	Light brown, fine-medium-coarse SAND w/trace fine gravel, slightly coarser material at 20.25' and 21', loose, viscous coal tar banding at		
0.0 ppm 0.0 ppm 0.0 ppm	20.25' and 21', light sheen from 21.25-22.25', faint naphthalene-		
	like odor, wet		
24-28' 0.0 ppm · · · · · · · 3-24-28' 0.0 ppm · · · · · · · 0.0 ppm · · · · · ·	Light brown, fine-medium-coarse SAND, trace fine gravel, slightly coarser material at 24.8', 25.3', and 26', loose, wet		
0.0 ppm · · · · · − 0.0 ppm · · · · · 0.0 ppm · · · · ·			
	Light brown medium-course SAND w/fine grovel loose wet		
28–32, 0.0 ppm	Light brown, medium—coarse SAND w/fine gravel, loose, wet		
0.0 ppm	1		



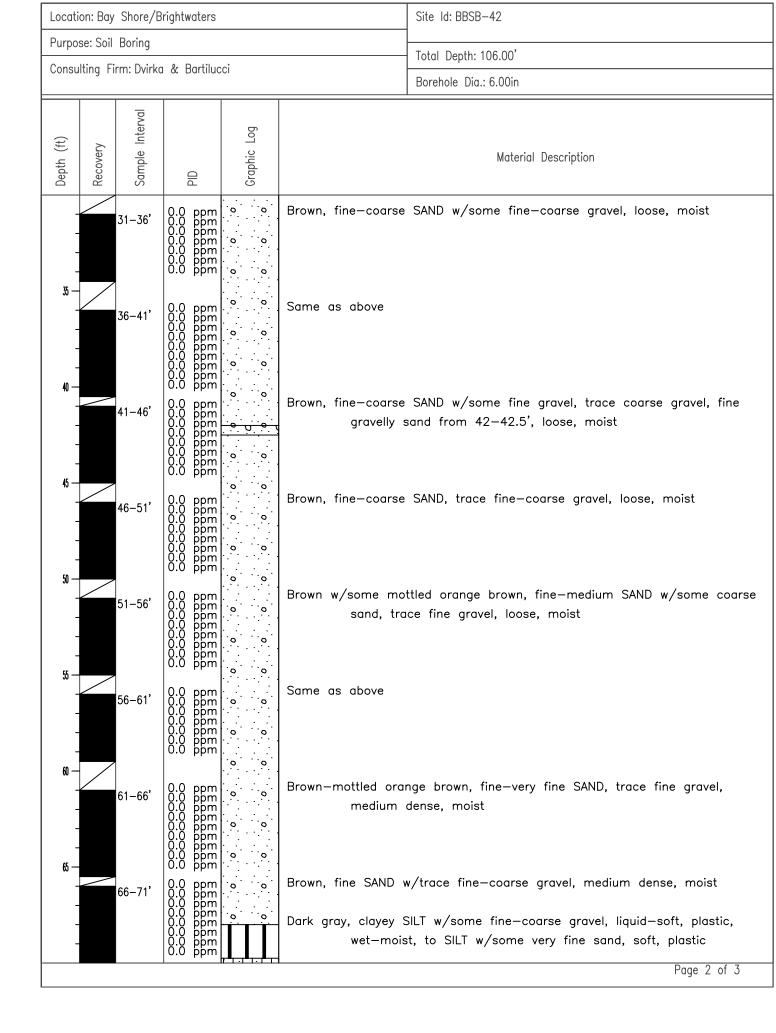
		Site Id: BBSB-40		
Dvi	rka	Location: Bay Shore/Brightwaters		
	ł rtilucci	Purpose: Soil Boring		
A DIVISION OF WILLIAM F. COSULI	JLTING ENGINEERS	Date(s): 01/15/02 - 01/15/02		
		Total Depth: 44.00'		
Elevation: 23.01'		Remarks: Samples selected for analysis at 4-6', 8-10',		
Datum: Mean Sea Level		21-23', and 42-44'.		
Logged By: William J. Ryan		-		
Drilling Method: Geoprobe Contractor: Zebra Environmental				
Borehole Dia.: 2.00in				
Depth (ft) Recovery Sample Interval PID	bo.			
Depth (ft) Recovery Sample In PID	Graphic Log	Material Description		
Pept Sam PID	Grap			
0-4' 203 ppm 15.9 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 15.9 ppm 0.0 ppm 0.0 ppm 180 ppm 162 ppm 175 ppm 175 ppm 131 ppm 130 ppm 130 ppm 150 ppm 162 ppm 175 ppm 162 ppm 175 ppm 163 ppm 175 ppm 166 ppm 175 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 180 ppm 162 ppm 175 ppm 0.0 ppm 0.0 ppm 0.0 ppm 180 ppm 162 ppm 175 ppm 0.0	strong na naphthaler Brown, medium-coa Dark black, medium vesicular saturated Black, f-c SAND w/ petroleum Gray, m-c SAND w/ petroleum Dk bk-gray, f-c SA petroleum Gray-tan, f-c SAND staining ir Light brown, mediun viscosity t	arse sandy FILL w/fine gravel, loose, black staining with phthalene-like odor in top 3", bk staining with faint me-like odor in bottom 2", moist arse sandy FILL w/trace fine gravel, loose, moist -coarse sandy FILL w/fine gravel, coarser material and slag/coke in bottom 5", loose, dark black staining- w/NAPL, hydrocarbon-like odor, moist argavel, loose, heavy bk staining-saturated w/NAPL, It -like oil on soils, strong hydrocarbon-like odor, wet argavel, coarser sand at 10', loose, black staining, It -like oil on soils, strong hydrocarbon-like odor, wet wND w/f gravel, loose, bk staining-saturated w/NAPL, It -like oil on soils, strong hydrocarbon-like odor, wet wND w/f gravel, loose, bk staining-saturated w/NAPL, It -like oil on soils, strong hydrocarbon-like odor, wet worf gravel, loose, minor tar banding at 14.8', heavy tar h bottom 3", faint hydrocarbon/naphthalene-like odor, wet n-coarse SAND w/fine gravel, loose, minor medium tar banding at 17.9', wet		
20-24' 0.0 ppm 0.0	with medi and 22.5'	Light brown, fine-medium-coarse SAND w/fine gravel, coarser sand lenses with medium viscosity tar staining from 20.5-21', at 22.1', and 22.5', light sheen from 21-22' Light brown, fine-medium-coarse SAND, trace fine gravel, loose, wet		
24-28' 2.4 ppm 0.0 ppm		ium—coarse SAND w/trace fine gravel, loose, spotty very ar staining from 28—29.5', It sheen from 28.5—30.5', wet		
		Page 1 of 2		

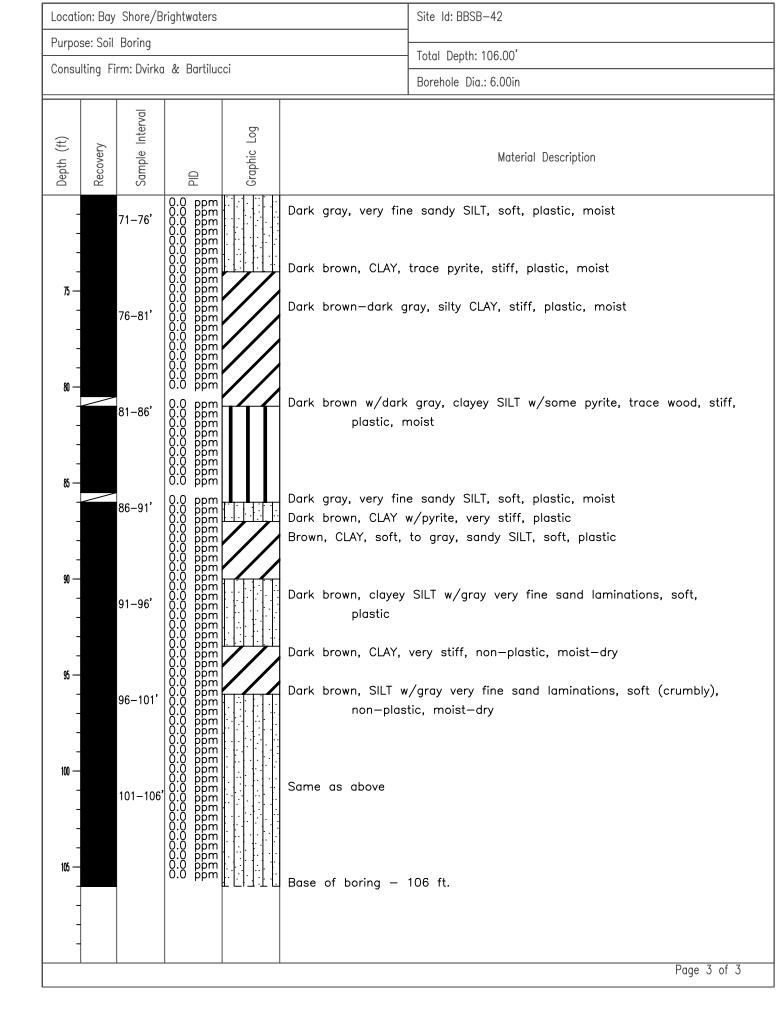


				Site Id: BBSB-41	
		virka		Location: Bay Shore/Brightwaters	
	()	nd artiluo	cci	Purpose: Soil Boring	
A DIVISION O	OF WILLIAM F. C	NSULTING EN DSULICH ASSO	NGINEERS CIATES, P.C.	Date(s): 01/14/02 - 01/14/02	
				Total Depth: 52.00'	
Elevation: 23.07'				Remarks: Samples selected for analysis at 2-4', 9-11',	
Datum: Mean Sea Leve				and 49-51'.	
Logged By: William J.	-				
Drilling Method: Geopre					
Contractor: Zebra Envi	ronmental				
Borehole Dia.: 2.00in					
Depth (ft) Recovery F-O Sample Interval	DID	Graphic Log	Material Description		
3 - 4 - 8' 4 - 8' 8 - 12' 12 - 16' 16 - 20' 20 - 24' 24 - 28' 28 - 32'	0.0 ppmm 0.0 pppmm 0.0 pppmm 0.0 pppmm 0.0 pppmm 0.0 pppmm 0.0 ppppmm 0.0 ppppm 0.0 ppppm 0.0 ppppm 0.0 ppppm 0.0 ppppm		Orange brown, mediu Dk brown, sandy CLA Charcoal gray, mediu moderate h Dark black, medium- staining, st Dark black, medium- saturated w Light brown-charcoal and bandin Black, medium-coars staining-sc Brown, fine-medium- brown, fine-medium- outside of Brown, fine-medium- 20.6-21.6'	ILL w/fine-coarse gravel, red brick pieces, loose, moist IM SAND w/fine gravel, loose, moist MY w/f gravel, bk staining, mod hydrocarbon-like odor, moist Im-coarse SAND w/f gravel, loose, charcoal gray staining, hydrocarbon-like odor, moist -coarse SAND, coarsest sand from 6.5-7.5', loose, black trong hydrocarbon-like odor, moist -coarse SAND w/fine gravel, loose, heavy black staining- w/NAPL, strong hydrocarbon-like odor, wet at 8.3' I gray, medium-coarse SAND w/fine gravel, black staining ng, strong hydrocarbon-like odor se SAND w/fine gravel, coarse lens at 14', loose, black aturated w/NAPL, strong hydrocarbon-like odor, wet -coarse SAND w/fine gravel, loose, wet -coarse SAND w/fine gravel, loose, some tar blebs on liner, minor tar at 16.5', wet -coarse SAND w/fine gravel, coarser material from , loose, wet SAND, loose, wet (bulk of sample washed out) -coarse SAND w/trace fine gravel, loose, wet -coarse SAND w/trace fine gravel, loose, wet	



						Site Id: BBSB-42	
				virka nd		Location: Bay Shore/Brightwaters	
			())B	artilu		Purpose: Soil Boring	
	A	DIVISION	DF WILLIAM F. C	NSULTING EI DSULICH ASSO		Date(s): 02/12/02 - 02/13/02	
	. 07.4	0'				Total Depth: 106.00'	
	ion: 23.1	o Sea Leve				Remarks: Samples selected for analysis at 8-10',	11–13',
		hn Scha				21-23', and 67-69'. Geotechnical samples selected for analysis at	
	-	d: Rotosc				16-18' and 63-65'.	
	actor: Pr						
	ole Dia.:						
Doron							
(t)		Sample Interval		Log			
Depth (ft)	Recovery	nple		Graphic Log		Material Description	
Dep	I I		GIG	Gra			
		0–6'	0.0 ppm 0.0 ppm 15 ppm 20 ppm 20 ppm 0.0 ppm 200 ppm 200 ppm 500 ppm		Orange brown-dark brown, FILL, silty matrix w/gravel, slag		
-			15 ppm 20 ppm 20 ppm			ı/coarse gravel, very stiff, non—plastic, mo ırse SAND w/some fine—coarse gravel, loos	
-			0.0 ppm 60 ppm	· • •		pon-like odor, dry	
5 —				· · · ·	Brown sandy grave	elly SILT, stiff, non-plastic, hydrocarbon-like	e odor
-		6-11'	20 ppm 50 ppm 180 ppm		moist		
-			200 ppm 500 ppm 530 ppm	· · · · · · · · · · · · · · · · · · ·		SAND w/some fine-coarse gravel, sandy gravel from	
- 10			515 ppm 450 ppm 550 ppm	.0.0.0.0	9-10, b	lack staining	
-		11-16'	400 ppm 500 ppm			brown, fine-coarse SAND w/fine and some coarse	
-			350 ppm 100 ppm		-	oose, "sweet" hydrocarbon—like odor, black m 11.5—12', moist	
-			100 ppm 35 ppm 30 ppm 25 ppm	· • · • ·	sana iroi	n 11.3–12, moist	
15 —				0 0			
-		16-21'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · ·	Brown, fine—coarse moist	SAND w/fine gravel and some coarse gra	vel, loose,
-			0.0 ppm 0.0 ppm				
			0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·			
20			0.0 ppm		 Brown, fine-coarse	SAND w/fine-coarse gravel, coarser mate	rial from
-		21–26'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			, loose, moist	
-			0.0 ppm	· • •			
25			0.0 ppm 0.0 ppm 0.0 ppm	· · · · ·			
-		26-31'	0.0 ppm 0.0 ppm 0.0 ppm	o o	Brown, fine-coarse	SAND w/fine-coarse gravel, loose, moist	
			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm				
-			0.0 ppm 0.0 ppm 0.0 ppm	0 0			
			PP		1		Page 1 of 3



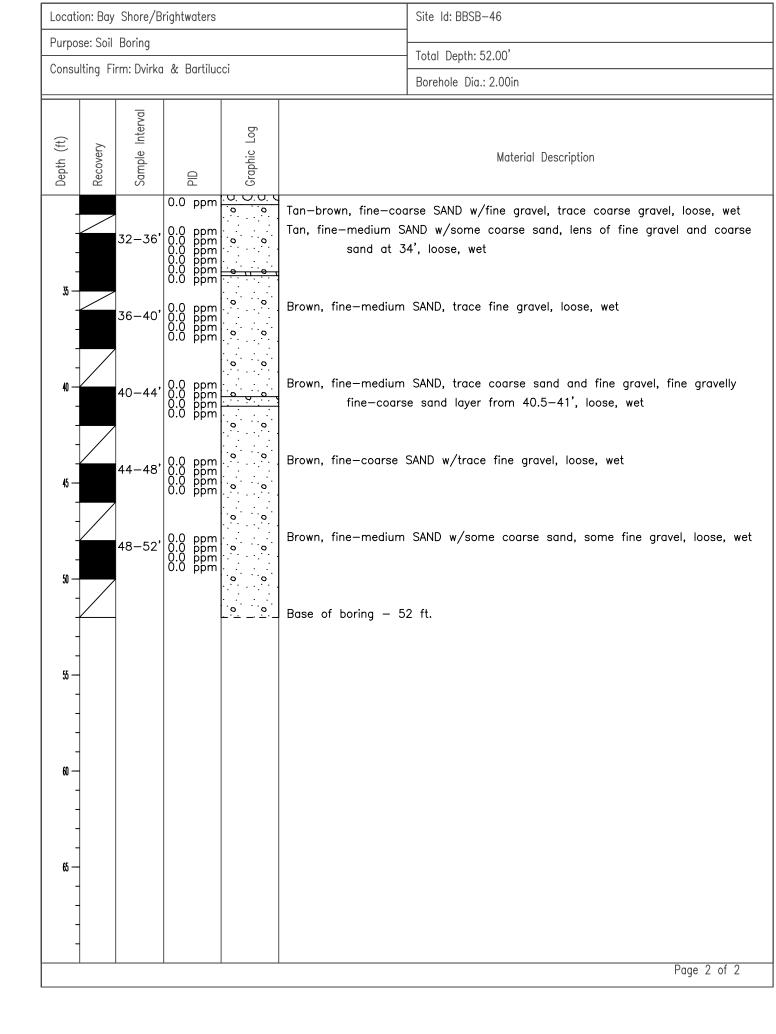


			Site Id: BBSB-43
	Dvirka		Location: Bay Shore/Brightwaters
) and Bartilue	cci	Purpose: Soil Boring
A DIVISION OF	CONSULTING EI		Date(s): 01/11/02 - 01/11/02
			Total Depth: 25.00'
Elevation: 23.17'			Remarks: Samples selected for analysis at 0-2', 9-11',
Datum: Mean Sea Level	Van		and 23-25'.
Logged By: William J. Ry Drilling Method: Geoprob	*		
Contractor: Zebra Enviro			
Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval	PID Graphic Log		Material Description
$10^{-4'}$ 0.0 ppm 0.0		Dark brownish black coal tar Orange, fine-mediu odor, moi Orange and gray, S naphthale Brown-It brown, me Light brown-orange loose, vis staining f Light brownish oran viscous c (liner jam Light brown, mediur Light brown, mediur at 20' ar foot due	SILT, medium dense, trace viscous tar blebs, mild ne-like odor, moist edium-coarse SAND, trace fine gravel, loose, wet at 8.4' , medium-coarse SAND, coarser sand from 10.9-11.4', cous coal tar banding at 10.4', spotty coal tar rom 11.1-11.4', wet ge, medium-coarse SAND w/fine gravel, loose, spotty oal tar staining, faint naphthalene-like odor, wet amed, sample knocked out of liner, headspace PID) m-coarse SAND w/trace fine gravel, loose, wet medium-coarse SAND w/trace fine gravel, loose, wet

Dvirka and Bartilucci CONSULTING ENGINEERS A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C. Date(s): 01/14/02 - 01/14/02
A DIVISION OF WILLIAM F COSULICH ASSOCIATES PC
A DIVISION OF WILLIAM F COSILICH ASSOCIATES PC
Total Depth: 25.00'
Elevation: 22.83' Remarks: Samples selected for analysis at 4-6', 10-12',
Datum: Mean Sea Level and 24-25'.
Logged By: Bill Ryan
Drilling Method: Geoprobe Contractor: Zebra Environmental
Borehole Dia.: 2.00in
Depth (tt) Alecovery Recovery Material Description
Depth Depth (ft) Depth Graphic PID Craphic Log PiD
□ 0-4' 0.0 ppm 0.0
4-8' 4-8' 5- 4-8' 0.0 ppm 0.0 ppm
L O.0 ppm (Brown, medium SAND, dry, loose 0.0 ppm (
8-12 0.0 ppm is is gravel from 8.8-9.3', wet at 8.8'
10 - 0.0 ppm
10, 10, 35,1 ppm O Dark black-charcoal gray, medium-coarse SAND w/fine gravel, loose, black
charcoal gray staining, strong hydrocarbon—like odor, wet
15 - 0.0 ppm 2 2 2 2 0.0 ppm 2 2 2 2 15 - 0.0 ppm 2 2 2 2 Brown, medium-coarse SAND w/fine gravel, loose, wet
Brown, medium-coarse SAND w/fine-coarse gravel, loose, wet
20-24' 0.0 ppm 20-24' 0.0 ppm Light brown, medium-fine-coarse SAND w/fine gravel
20-24, 0.0 ppm Light brown, medium-fine-coarse SAND w/fine gravel 20-24, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm
24-25, 0.0 ppm Light brown, fine-medium-coarse SAND w/fine-coarse gravel, loose, wet Base of boring - 25 ft.
Page 1

		Site Id: BBSB-45	
Dvirka		Location: Bay Shore/Brightwaters	
		Purpose: Soil Boring	
A DIVISION OF WILLIAM F. COSULICH ASS		Date(s): 03/19/02 - 03/19/02	
		Total Depth: 26.00'	
Elevation: 23.10'		Remarks: Samples selected for analysis at 10-12', 14-16',	
Datum: Mean Sea Level		and 22—24'.	
Logged By: Innocent Taziva		-	
Drilling Method: Hand Augered 0-10', Geopre Contractor: Zebra Environmental	bbe 10-20	-	
Borehole Dia.: 2.00in		-	
Depth (ft) Recovery Sample Interval PID Graphic Log		Material Description	
Depth (ft Recovery Sample Ir PID Craphic L			
0-4'	Gray-black, TOPSO	IL w/medium-coarse sand, some silt, roots	
-	Brown, coarse SAN	D, some rounded gravel (composite sample)	
	Tan/brown, coarse	SAND w/some rounded gravel (composite sample)	
4-10' ·····			
0.0 ppm			
		and a second data and the second	
10-14' 0.0 ppm 'o' 'o' 0.0 ppm	Tan, coarse SAND,), some rounded gravel, loose, wet	
- 0.0 ppm · · · · · · · · · · · · · · · · · ·	. Dark gray, coarse	SAND, staining, hydrocarbon-like odor	
14–18' 0.0 ppm	Tan, coarse SAND,	some gravel, loose, wet	
14-18' 0.0 ppm · · · · · · · · · · · · · · · · · ·			
18–22' 0.0 ppm	Tan, coarse SAND,	some gravel, loose, wet	
22–26, 0.0 ppm	Tan/brown, coarse	SAND, little gravel, loose, wet	
22-26' 0.0 ppm 2.1.1 0.0 ppm 2.1.1 0.1 ppm 2	1		
25-			
	Base of boring —	20 π.	
		Page 1 of 1	

		Site Id: BBSB-46	
Dvirka and		Location: Bay Shore/Brightwaters	
Bartilu		Purpose: Soil Boring	
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 01/16/02 - 01/16/02	
		Total Depth: 52.00'	
Elevation: 23.14'		Remarks: Samples selected for analysis at 8-10', 24-25',	
Datum: Mean Sea Level Logged By: John Schafer		and 48-50'. Test pit 6A-B was excavated down to 10' in this	
Drilling Method: Geoprobe		area. 0—10' not representative of soil stratigraphy.	
Contractor: Zebra Environmental			
Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log			
Depth (ft) Recovery Sample Inte PID Graphic Log		Material Description	
0-4' 69 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, sandy FILL w/f-c gravel, loose, tar-like odor, slight bk tar staining		
- 0.0 ppm 0.0 ppm	Dark brown to brown, sandy silty FILL w/fine-coarse gravel, glass fragments, wood, very slight tar-like odor		
4-8' 0.0 ppm	Tan, fine-coarse SAND w/some fine-coarse gravel, loose, tar-like odor, moist		
4-8' 0.0 ppm 5- 240 ppm 240 ppm 20 ppm 20 ppm	Crav-black fino-oo	area SAND w/aama fina-aagraa graval alightly aagraar	
240 ppm · · · · · · · · · · · · · · · · · ·	Gray-black, fine-coarse SAND w/some fine-coarse gravel, slightly coarser than above, loose, black staining, heavy tar-like odor Tan, fine-medium SAND w/some coarse sand, some fine-coarse gravel, loose, slight staining, tar-like odor, moist Black, fine-coarse SAND w/some fine-coarse gravel, loose, heavy black		
8–12' 150 ppm			
- OS ppm 350 ppm			
	1	eavy tar-like odor, wet	
12–16' 150 ppm		e-coarse SAND w/fine-coarse gravel, loose, black	
- 80 ppm	staining, t	ar-like odor, wet	
50 ppm	1	ND w/fine gravel, loose, slight tar-like odor, wet	
16-20' 0.0 ppm	Tan, gravelly fine−co ∮	barse SAND, loose, wet	
20-24' 0.0 ppm ⁸ 0 ⁸ 0.0 ppm ¹ · · · · · · · · · · · · · · · · · · ·	ין ian, tine-coarse SA	ND w/some fine gravel, loose, wet	
Ŏ.Ŏ ppm			
	Tan fine sector CA	ND w/some fine gravel, loose, wet	
24-28, 0.0 ppm · · · · · · 0.0 ppm · · · · ·	run, nne=course SA	w/ some me graver, 100se, wet	
0.0 ppm			
] Tan-brown, fine-coo	arse SAND w/fine gravel, trace coarse gravel, loose,	
28–32, 0.0 ppm		and layer from 29.5-30.5', wet	
- 0.0 ppm	,		

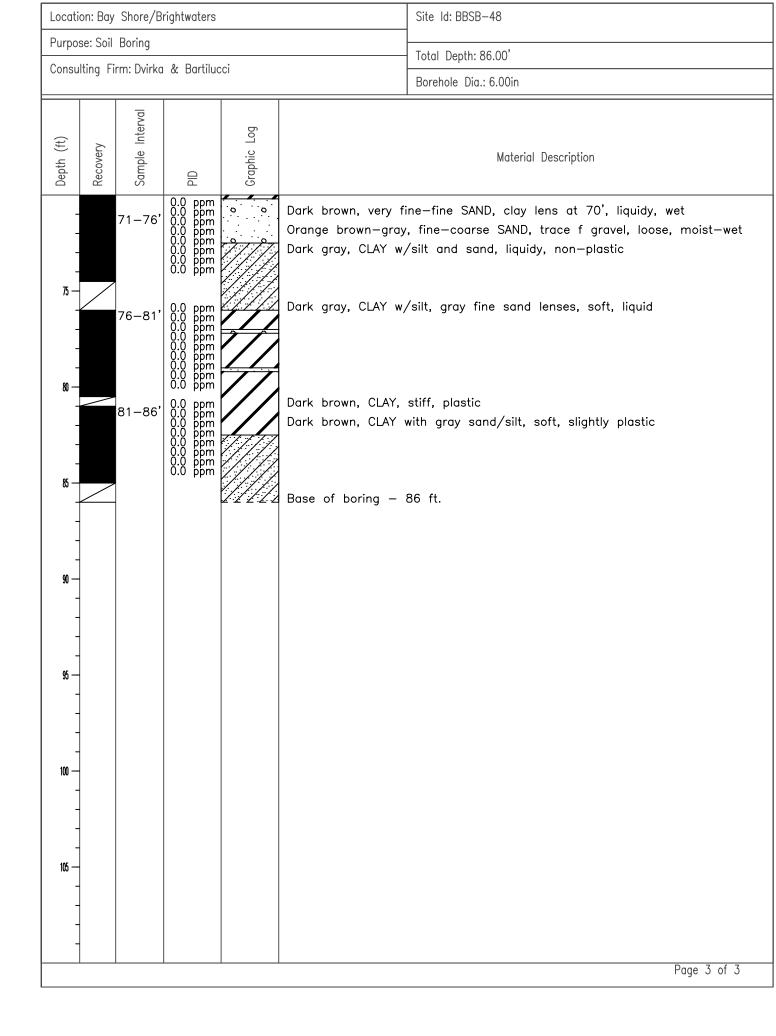


			Site Id: BBSB-47	
	Dvirka		Location: Bay Shore/Brightwaters	
) and) Bartilu	ссі	Purpose: Soil Boring	
A DIVISION OF WILLIA	CONSULTING E M.F. COSULICH ASSO	NGINEERS XCIATES, P.C.	Date(s): 01/15/02 - 01/16/02	
			Total Depth: 40.00'	
Elevation: 23.72'			Remarks: Samples selected for analysis at 0-2', 6-8',	
Datum: Mean Sea Level			10-12', 16-18', and 36-38'.	
Logged By: Ryan, Schafer				
Drilling Method: Geoprobe	1.1		-	
Contractor: Zebra Environmer	tal		-	
Borehole Dia.: 2.00in				
Depth (ft) Recovery Sample Interval	_	Material Description		
$12-16' \begin{array}{c} 000\\ 904\\ 1000\\ 392\\ 936\\ 1000\\ 183\\ 467\\ 493\\ 467\\ 493\\ 16-20' \\ 7,4\\ 30,1\\ 4.2\\ 9\\ 20-24' \\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0$	ppm	wood chips naphthalen Br orange-black, me silt, loose, Orange brown, CLAY, sandy CLA Dark black, medium- oil on soil Tan, medium-coarse on liner, s Brown, fine-coarse Brown, fine-medium- at 15.3', l Tan, fine-medium-c loose, satu saturated Tan, fine-coarse SAI throughout	ium-coarse sandy FILL w/fine gravel, red brick fragments, s, loose, black staining-saturated w/NAPL, very strong e/hydrocarbon-like odor, moist ed-coarse sandy FILL w/f gravel, red brick fragments, trace saturated w/NAPL, strong naphthalene-like odor, moist heavy bk staining, very strong hydrocarbon-like odor, to Y, strong hydrocarbon-like odor, light oil on soils -coarse SAND w/fine gravel, loose, black staining, light s, strong hydrocarbon-like odor, moist • SAND w/trace fine gravel, loose, black banding, green tint eaturated w/a light oil, strong hydrocarbon-like odor, wet SAND, w/trace f gravel, loose, bk staining from 12-14.5', w/a light oil, very strong hydrocarbon-like odor, wet -coarse SAND, loose, saturated w/a light oil, tar staining hydrocarbon/naphthalene-like odor, wet oarse SAND, slightly coarser lenses at 16.75' and 17.5', urated w/a light oil from 16-16.75', rest of sample w/coal tar, moderate tar-like odor, wet ND w/some fine-coarse gravel, loose, layers of coal tar , slight naphthalene-like odor, wet	
	pm	1	Page 1 of 2	

Location: Bay Shore/B	rightwaters	Site Id: BBSB-47
Purpose: Soil Boring		Total Depth: 40.00'
Consulting Firm: Dvirko	a & Bartilucci	Borehole Dia.: 2.00in
Depth (ft) Recovery Sample Interval	Crossing and a constraint of the second seco	Material Description Tan, fine-coarse SAND w/some fine-coarse gravel, loose, wet Tan, fine-coarse SAND w/some fine gravel, slightly coarser at 33' and 35',
36-40'	0.0 ppm	loose, wet Tan, fine-medium SAND, some coarse sand, trace fine gravel, loose, wet
		Base of boring - 40 ft.

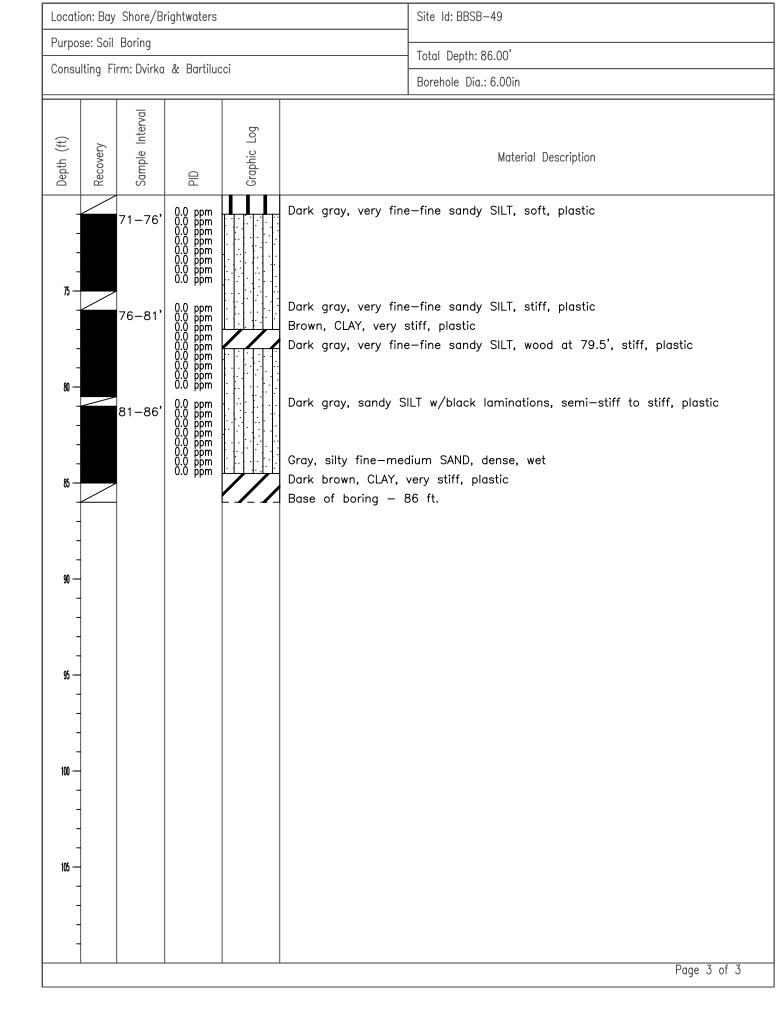
	Site Id: BBSB-48
Dvirka	Location: Bay Shore/Brightwaters
Bartilu	CCI Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO	INGINEERS Date(s): 02/05/02 - 02/05/02
	Total Depth: 86.00'
Elevation: 23.45'	Remarks: Samples selected for analysis at 7-9', 12-14',
Datum: Mean Sea Level	39-41', and 83-85'.
Logged By: John Schafer	
Drilling Method: Rotosonic Contractor: Prosonic	
Borehole Dia.: 6.00in	
Depth (ft) Recovery Sample Interval PID Graphic Log	
Depth (ft) Recovery Sample Inte	Material Description
0-6' 16 ppm 90 ppm 40 ppm 90 ppm 130 ppm 130 ppm 15 − 16 ppm 130 ppm 1000 ppm	 hydrocarbon-like odor Brown, silty fine SAND, medium dense, black staining w/hydrocarbon-like odor from 4-5', moist Black, fine-coarse SAND w/some fine-coarse gravel, lens of fine gravel with some coarse gravel at 9', loose, black staining, light green-brown staining on sleeve, heavy hydrocarbon-like odor, wet Gray-brown, fine-coarse SAND w/fine gravel, some coarse gravel, loose, tar saturated lenses of fine gravel w/some coarse gravel and fine-coarse sand at 12.5', 13', 13.5', and 14.5', brown staining, heavy naphthalene-like odor, moist Gray, fine-coarse SAND w/some fine-coarse gravel, loose, intermittant
16-21' 13 ppm 26 ppm 20 ppm 18 ppm 18 ppm 18 ppm 18 ppm 10 · · · · · 10 · · · ·	 Sight tar staining, slight naphthalene-like odor, wet Gray, fine-coarse SAND w/some fine-coarse gravel, loose, intermittant tar blebs, tar saturated lens of fine-coarse gravel and sand at 19', naphthalene-like odor, moist Tan, fine-coarse SAND w/fine gravel, some coarse gravel, loose, intermittant staining in gravelly sand lenses at 22', 22.5', and 24', slight naphthalene-like odor, moist
26-31', 26-31'	Tan, fine-coarse SAND w/some fine gravel, loose, minute tar blebs from 26-26.5', moist Page 1 of 3

Locat	ion: Bay	Shore/B	rightwaters			Site Id: BBSB-48		
Purpo	se: Soil	Boring				Total Depth: 86.00'		
Consu	Consulting Firm: Dvirka & Bartilucci					Borehole Dia.: 6.00in		
		_						
Depth (ft)	Recovery	Sample Interval	QId	Graphic Log		Material Description		
		31–36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0		AND w/some fine gravel, trace coarse gravel, loose, lens at 33', sporatic minute tar blebs, minor moist		
35 - - - -		36–41'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		SAND w/some fine-coarse gravel, loose, moist n SAND w/some coarse sand, trace fine gravel, loose,		
40		41–46'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		n SAND w/some coarse sand, trace fine gravel, loose, bleb streaks on liner, floating tar blebs in jar st		
45		46-51'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine-mediun loose, mo	n SAND w/trace coarse sand, trace fine gravel, bist		
50		51–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine-mediun	n SAND, trace fine gravel, loose, moist		
55 -		56–61'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, fine-mediun	n SAND, trace coarse sand, loose, moist		
- 60 - - - -		61–66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0		medium dense, moist very fine-fine SAND, dense, moist		
65 - - - -		66–71'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Dark brown, very fi	ne-fine SAND, clay lens at 66', liquidy, wet		
						Page 2 of 3		

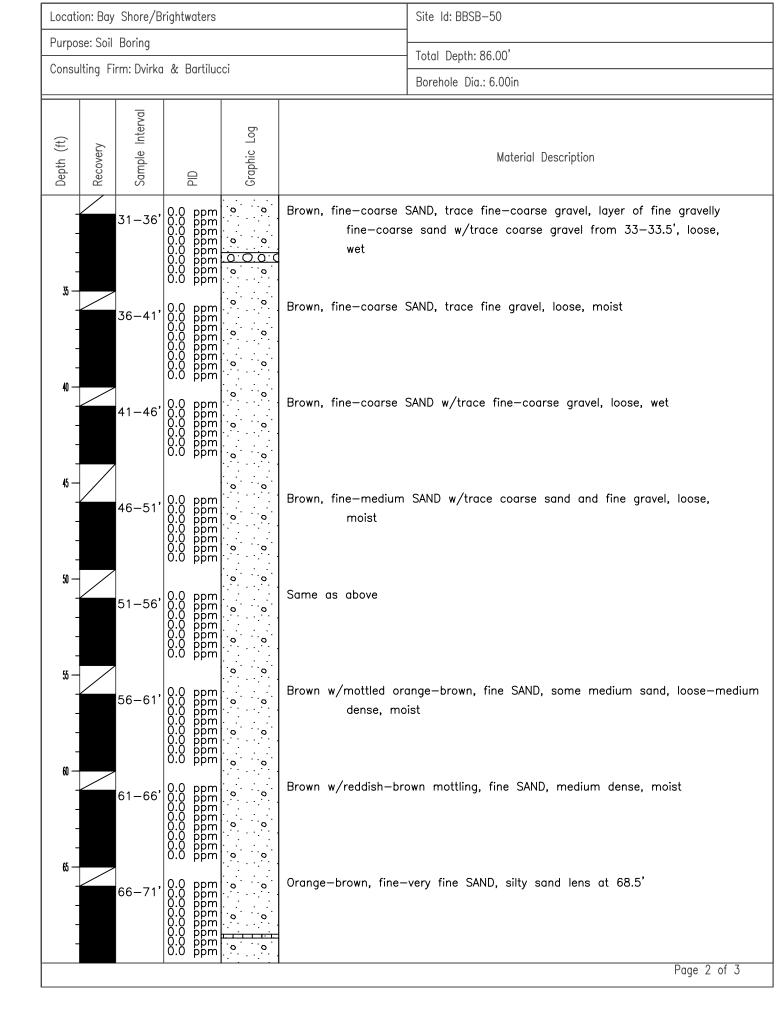


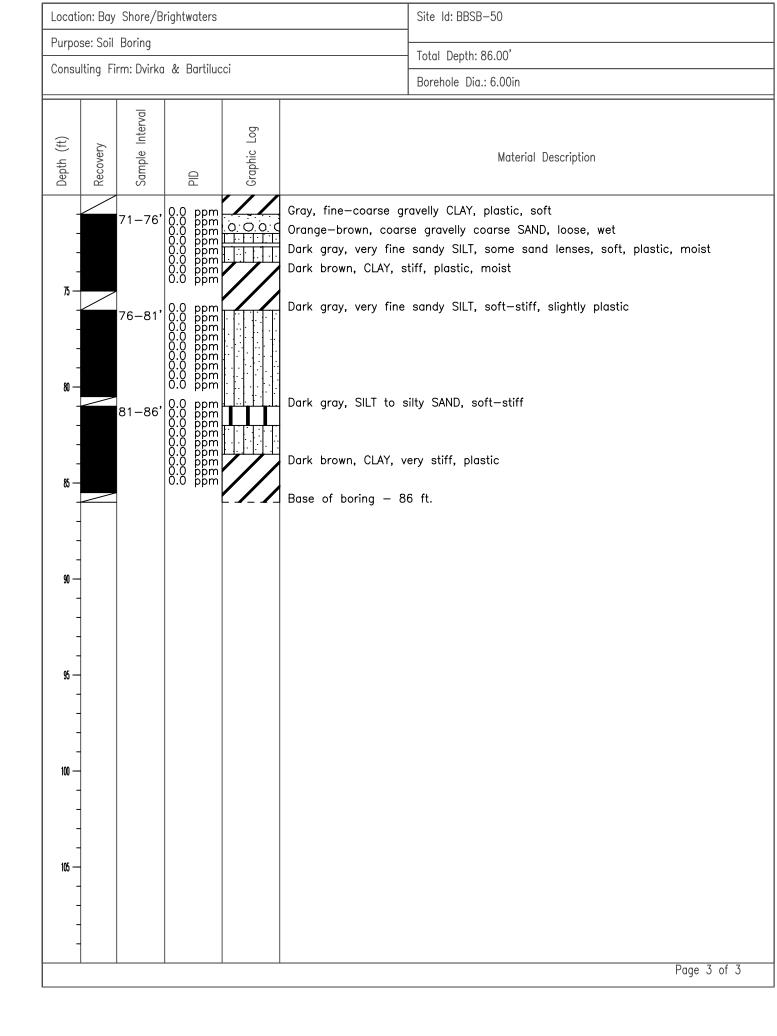
Divinka Bantilucci Debilit Michaeline Debilit Michaeline Debilit Michaeline Debilit Michaeline Debilit Michaeline Debilit Michaeline Debilit Michaeline Debilit Michaeline Debilit Debilit Michaeline Debilit D							Site Id: BBSB-49		
Purpose: Soil Boning Dublic Reveal Purpose: Soil Boning Detection: 22.72' Remote: Songles salected for analysis at 4-6', 9-11', 26-28', and 65-70'. Generative Salected for analysis at 4-6', 9-11', 26-28', and 65-70'. Generative Salected for analysis at 2-28' and 65-70'. Generative Salected for analysis at 2-28' and 65-70'. Generative Salected for analysis at 2-28' and 66-66'. Drilling Method: Ratesonic Description Barehold: Solon Barehold: Solon Barehold: Ratesonic Barehold: Solon Barehold: Solon Barehold: Solon Barehold: Solo					-		Location: Bay Shore/Brightwaters		
ADMISICI OF WILLIAM F COBLICH ASSOCIATES PC. Date(\$): 02/12/02 - 02/12/02 Elevation: 22.72' Total Depth: 86.00' Bottm: Mean Sea Level 26-28; or 08-70'. Logged By: John Schafer Contractor. Presonic Dorling Method: Robosonic Contractor. Presonic Borehole Dia: 6.00in Borehole Dia: 6.00in Image: State		(()	artilu	cci	Purpose: Soil Boring		
Elevation: 22.72* Remarks: Samples selected for analysis at 4–6', 9–11', 25–25', and 68–70'. Lagged By. John Schafer Contractor: Presonic Drilling Method: Rotosonic Contractor: Presonic Borehole Dia:: 6.00in Brown, FILL, silty matrix, very stiff silt layer from 2.5–3', some sand and gravel, cement and brick fragments, loose, wet filling Method: Rotosonic Brown, FILL, silty matrix, very stiff silt layer from 2.5–3', some sand and gravel, cement and brick fragments, loose, wet filling Method: Rotosonic Brown, FILL, silty matrix, very stiff silt layer from 2.5–3', some sand and gravel, cement and brick fragments, loose, wet filling Method: Rotosonic FILL, concrete and brick, saturated w/tar, heavy hydrocarbon–like odor, wet filling Method: Rotosonic FILL, concrete and brick, saturated w/tar, heavy hydrocarbon–like odor filling Method: Rotosonic Gray, fine-coarse SAND w/fine gravel, some coarse gravel, black staining, heavy hydrocarbon–like odor filling Method: Rotosonic Gray, fine-coarse SAND w/fine gravel, loose, tar layer at 19.5', slight naphtholene-like odor, wet gray 21-26', gray method: Rotosonic Gray, fine-coarse SAND w/fine gravel, loose, tar layer at 19.5', slight naphtholene-like odor, wet gray 21-26', gray method: Rotosonic Rotosonic gray 22-26', gray method: Rotosonic Rotosonic gray Rotos		,	A DIVISION O				Date(s): 02/12/02 - 02/12/02		
Datum: Mean Sea Level Remarks: Samples selected for analysis at 4–6', 9–11', 26–28, and 88–70'. Geolechnical samples selected for analysis at 24–26' and 64–66'. Drilling Method: Rotosonic Contractor: Presonic Borehole Dia:: 5.00in Grow Presonic Borehole		CONSULTING ENGINEERS CONSULTING ENGINEERS CONSULTING ENGINEERS levation: 22.72' latum: Mean Sea Level ogged By: John Schafer ining Method: Rotosonic contractor: Prosonic torehole Dia: 6.00in Image: Second					Total Depth: 86.00'		
Lagged By: John Schafer Excite Anical Samples selected for analysis at 24-26' and 64-66'. Drilling Method: Rotosonic Excite Anical Samples selected for analysis at 24-26' and 64-66'. Borehole Dia: 6.00in Material Description Image: Dia: 6.00in Image: Dia: 6.00in								11',	
Diffing Method: Rotosonic Contractor: Prosonic Borehole Dia: 6.00 in Material Description Image: Second of the							Geotechnical samples selected for analysis at		
Contractor: Prosonic Borehole Dia: 6.00in Material Description (a) (a) (a) (b) (a) (a) (a) (b) (b) (a) (b) (c) (c) (c) (c) (a) (c) (c) (c) (c) (c) (c) (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)		-					24-26' and 64-66'.		
Borehole Dia: 6.00in Material Description (1) </td <td><u> </u></td> <td></td> <td></td> <td>onic</td> <td></td> <td></td> <td>-</td> <td></td>	<u> </u>			onic			-		
Image: Construction of the construc							-		
0-6' 0.0 ppm 100 ppm 100 ppm 2000 ppm	Doren								
0-6' 00 ppm 100 ppm 100 ppm 2000 ppm 2			ntervo		bo-				
0-6' 0.0 ppm 100 ppm 100 ppm 2000 ppm	th (ft	overy	iple li		bhic L		Material Description		
Brown, FILL, silty matrix, very stiff silt layer from 2.5–3', some sand and gravel, cement and brick fragments, loose, wet FILL, concrete and brick, saturated w/tar, heavy hydrocarbon-like odor, wet Brown, silty FILL, some concrete, some tar, heavy naphthalene-like odor Black, fine-coarse SAND w/fine gravel, some coarse gravel, black staining, heavy hydrocarbon-like odor Black, fine-coarse SAND w/fine-coarse gravel, heavy staining, heavy hydrocarbon-like odor, wet fill fine-coarse SAND w/fine-coarse gravel, heavy staining, heavy hydrocarbon-like odor, wet fill fine-coarse SAND w/fine gravel, heavy staining, heavy hydrocarbon-like odor, wet fill fine-coarse SAND w/fine gravel, heavy staining, heavy hydrocarbon-like odor, wet fill fine-coarse SAND w/fine gravel, heavy staining, heavy hydrocarbon-like odor, wet fill fine-coarse SAND w/fine gravel, heavy staining, heavy hydrocarbon-like odor, wet fill fine-coarse SAND w/fine gravel, loose, tar layer at 19.5', slight naphthalene-like odor, tar layer at 19.5', slight naphthalene-like odor, tar lens at 22.5', wet fight naphthalene-like odor, tar lens at 22.5', wet fight naphthalene-like odor, tar lens at 22.5', wet	Dept			DID	Grap				
5 200 Ppm 800 Ppm 1000 Ppm 1000 Ppm 1000 Ppm 1000 Ppm 1000 Ppm 100 Ppm 1			0–6'	0.0 ppm 0.0 ppm		Brown, FILL, silty m	natrix, very stiff silt layer from 2.5—3', some	sand	
Black, fine-coarse SAND w/fine gravel, some coarse gravel, black staining, heavy hydrocarbon-like odor Black, fine-coarse SAND w/fine-coarse gravel, heavy staining, heavy hydrocarbon-like odor 11-16' Black, fine-coarse SAND w/fine-coarse gravel, heavy staining, heavy hydrocarbon-like odor, wet Gray, fine gravelly fine-coarse SAND w/some coarse gravel, loose, slight naphthalene-like odor, gunmetal hue/sheen, wet Cray, fine-coarse SAND w/fine gravel, loose, tar layer at 19.5', slight naphthalene-like odor, wet Gray-brown, fine-coarse SAND w/fine gravel, loose, tar layer at 19.5', slight naphthalene-like odor, wet Gray-brown, fine-coarse SAND w/fine gravel, loose, tar layer at 19.5', slight naphthalene-like odor, tar lens at 22.5', wet Brown, fine-coarse SAND w/fine-coarse gravel, loose, moist	· ·			0.0 ppm 0.0 ppm 0.0 ppm		and grave	el, cement and brick fragments, loose, wet		
Black, fine-coarse SAND w/fine gravel, some coarse gravel, black staining, heavy hydrocarbon-like odor Black, fine-coarse SAND w/fine-coarse gravel, heavy staining, heavy hydrocarbon-like odor 11-16' Black, fine-coarse SAND w/fine-coarse gravel, heavy staining, heavy hydrocarbon-like odor, wet Gray, fine gravelly fine-coarse SAND w/some coarse gravel, loose, slight naphthalene-like odor, gunmetal hue/sheen, wet Cray, fine-coarse SAND w/fine gravel, loose, tar layer at 19.5', slight naphthalene-like odor, wet Gray-brown, fine-coarse SAND w/fine gravel, loose, tar layer at 19.5', slight naphthalene-like odor, wet Gray-brown, fine-coarse SAND w/fine gravel, loose, tar layer at 19.5', slight naphthalene-like odor, tar lens at 22.5', wet Brown, fine-coarse SAND w/fine-coarse gravel, loose, moist				0.0 ppm 220 ppm 250 ppm		FILL, concrete and	concrete and brick, saturated w/tar, heavy hydrocarbon—like odor, wet		
11-16' 300 ppm 300 ppm 750 ppm 7	5			80 ppm 2000+ ppm		-			
11-16' 300 ppm 300 ppm 750 ppm 7			6-11'	200 ppm 300 ppm	· · · · · ·			:k staining,	
11-16' 300 ppm 300 ppm 750 ppm 7		-		500 ppm 350 ppm					
11-16' 300 ppm 300 ppm 750 ppm 7				450 ppm 450 ppm 1100 ppm					
 16-21' 20 ppm 20 ppm 21-26' 21-26' 21-26' 25 ppm 25 ppm 25 ppm 26 - 31' 26-31' 26-31' 26-31' 26 ppm 26 ppm 27 ppm 27 ppm 27 ppm 28 ppm 28 ppm 29 ppm 29 ppm 20 ppm 21 ppm 26 ppm 27 ppm 26 ppm 26 ppm 26 ppm 26 ppm 26 ppm 26 ppm 26 ppm 26 ppm 27 ppm 26 ppm 26	10 -			300 ppm	· · · · · · · · · · · · · · · · · · ·	Gray, fine-coarse S	SAND w/fine-coarse gravel, heavy staining, he	avy	
 16-21' 20 ppm 20 ppm 21-26' 21-26' 21-26' 25 ppm 25 ppm 25 ppm 26 - 31' 26-31' 26-31' 26-31' 26 ppm 26 ppm 27 ppm 27 ppm 27 ppm 28 ppm 28 ppm 29 ppm 29 ppm 20 ppm 21 ppm 26 ppm 27 ppm 26 ppm 26 ppm 26 ppm 26 ppm 26 ppm 26 ppm 26 ppm 26 ppm 27 ppm 26 ppm 26		-	11-16	300 ppm 500 ppm	· · · · · · · · · · · · · · · · · · ·	hydrocarb	oon-like odor, wet	·	
16-21' 20 ppm Cray, fine gravelly fine-coarse SAND w/some coarse gravel, loose, slight naphthalene-like odor, gunmetal hue/sheen, wet 16-21' 20 ppm Co.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O				400 ppm 300 ppm	· · · · · ·				
16-21' 20 ppm Gray, fine gravelly fine-coarse SAND w/some coarse gravel, loose, slight naphthalene-like odor, gunmetal hue/sheen, wet 16-21' 20 ppm Gray, fine gravelly fine-coarse SAND w/some coarse gravel, loose, slight naphthalene-like odor, gunmetal hue/sheen, wet 20 ppm 0.0.0.0 0.0.0.0 20 ppm 0.0.0.0 20 ppm 0.0.0.0 20 ppm 0.0.0.0 21-26' 13 ppm 10 ppm 0.0.0 11 ppm 0.0.0 11 ppm 0.0.0 12 ppm 0.0.0 12 ppm 0.0.0 13 ppm 0.0.0 10 ppm 0.0.0 12 ppm 0.0.0 10 ppm 0.0.0 0.0 ppm 0.0.0 <td>15</td> <td></td> <td></td> <td>200 ppm</td> <td></td> <td></td> <td></td> <td></td>	15			200 ppm					
21-26' 13 ppm 10 ppm 25 ppm 11 ppm 13 ppm 25 ppm 11 ppm 13 ppm 26-31' 26-31' 26-31' 26-31' 26-31' 26-31' 21-26' 10 ppm 25 ppm 10 ppm 25 ppm 10 ppm 25 ppm 10 ppm 25 ppm 10 ppm 25 ppm 26 - 31' 10 ppm 26 - 31' 26 -			16–21'	20 ppm 25 ppm			, .	e, slight	
21-26' 13 ppm 10 ppm 25 ppm 11 ppm 13 ppm 25 ppm 11 ppm 13 ppm 26-31' 26-31' 26-31' 26-31' 26-31' 26-31' 21-26' 10 ppm 25 ppm 10 ppm 25 ppm 10 ppm 25 ppm 10 ppm 25 ppm 10 ppm 25 ppm 26 - 31' 10 ppm 26 - 31' 26 -	-			20 ppm 20 ppm 30 ppm	0.0.0	naphthale	ne-like odor, gunmetal hue/sheen, wet		
21-26' 13 ppm 10 ppm 25 ppm 11 ppm 13 ppm 25 ppm 11 ppm 13 ppm 26-31' 26-31' 26-31' 26-31' 26-31' 26-31' 21-26' 10 ppm 25 ppm 10 ppm 25 ppm 10 ppm 25 ppm 10 ppm 25 ppm 10 ppm 25 ppm 26 - 31' 10 ppm 26 - 31' 26 -				20 ppm 30 ppm	· · · · · ·				
21-26 21-26 25 ppm 25 ppm 26-31, 26-31, 26-31, 21-26 10 ppm 25 ppm 25 ppm 26-31, 10 ppm 26-31, 10 ppm 26 - 31, 10 ppm 26 - 30, 10 ppm 26	20 —				· · · · · ·			, slight	
26-31' 26-31'			21–26'	10 ppm 10 ppm 25 ppm	· · · · ·			el, loose,	
26-31', 11 ppm 12 ppm 26-31', 26-31', 10 ppm 0.0 ppm				1 <u>1</u> ppm	0 0	slight nap	ohthalene—like odor, tar lens at 22.5', wet		
26-31, 1.0 ppm 0.0 p	-			11 bbm	0 0				
			26-31'		0 0	Brown, fine-coarse	SAND w/fine-coarse gravel, loose, moist		
	.			0.0 ppm					
				0.0 ppm 0.0 ppm 0.0 ppm					
Page 1 of 3				0.0 ppm			P	age 1 of 3	

Locat	ion: Bay	Shore/Br	rightwaters			Site Id: BBSB-49	
Purpo	ose: Soil	Boring				Total Depth: 86.00'	
Consu	ulting Fi	rm: Dvirka	& Bartiluo	ci		Borehole Dia.: 6.00in	
		_					
Depth (ft)	Recovery	Sample Interval	QId	Graphic Log		Material Description	
		31–36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine-coarse	SAND w/fine-coarse gravel, loose, moist	
		36–41'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine—coarse moist	SAND w/some fine gravel, trace coarse gravel, loo	se,
- - - - 		41–46'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		SAND w/some fine gravel, loose, moist	
50 -		46–51'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	moist	SAND to fine—medium SAND, some fine gravel, loos range brown, fine—medium SAND, trace fine gravel,	зе,
55 –		51-56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	loose, mo		
60		56–61'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Same as above		
65		61–66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		range brown, very fine—fine SAND, dense, moist	
		66–71'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	° °	Dark gray, fine-coo	n SAND w/some clay pockets, loose, wet arse gravelly CLAY, stiff, plastic, wet mi—stiff, plastic, moist to wet Page 2 of	F 3
						ruge z ol	5



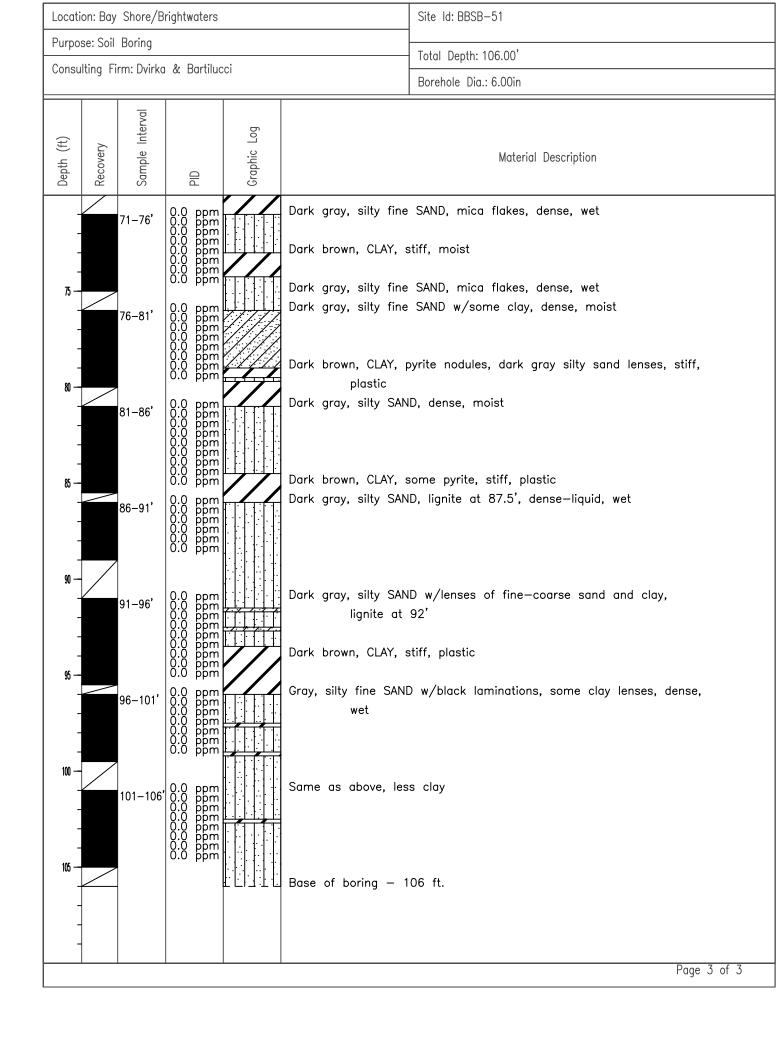
					Site Id: BBSB-50	
			virka		Location: Bay Shore/Brightwaters	
		(() B	nd artilu	cci	Purpose: Soil Boring	
	ADIVISION	N OF WILLIAM F. C	ONSULTING E		Date(s): 02/11/02 - 02/11/02	
					Total Depth: 86.00'	
L	tion: 22.98'				Remarks: Samples selected for analysis at 7-9', 12-14	4',
	n:Mean Sea Le				26—28', and 68—70'. Geotech samples selected for analysis at 21—23'	
	ed By: John Sch				and 64-66'.	
<u> </u>	g Method: Roto	sonic				
<u> </u>	actor: Prosonic					
Boreh	ole Dia.: 6.00in					
Depth (ft)	Recovery 0-0 Sample Interval	GI	Graphic Log		Material Description	
. .		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		-	atrix w/some fine-coarse sand, brick dust/fragme sicular slag/coke	ents,
5	6-11'	E 0	0 0 0 0	Black, fine-coarse S	SAND w/fine gravel, loose, dry SAND w/some fine—coarse gravel, loose, black stat on—like odor, moist	ining,
10 — - - - - - - - - - - - - - - - - - - -	11-10	6, 90 ppm 100 ppm 100 ppm 30 ppm 30 ppm 10 ppm			ine—coarse SAND w/some coarse gravel, loose, ta iturated lens at 13.5', wet	r
- - - - - - - - - - - -	16-2	1, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Gray—black—tan, gra moist	velly SAND, loose, slight hydrocarbon—like odor,	
- - - - 25 –	21-20	6 0.0 ppm 0.00 ppm 0.00 pppm 0.00 pppm 0.00 pppm 0.00 ppm	0 0 0 0 0 0	at 24.5', odor, wet	ND w/fine gravel, some coarse gravel, loose, tar sporadic tar from 24—25', slight naphthalene—like	lens
- - - -	26-3	1, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, fine-coarse	SAND w/trace fine gravel, loose, wet	e 1 of 3
1					-	





Dvirka and Bartilucci CONSULTING ENGINEERS	ring
Bartilucci CONSULTING ENGINEERS	ring
	$n_{2} = n_{2} / n_{6} / n_{2}$
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C. Date(s): 02/06/0	02 02/00/02
Total Depth: 106.	.00'
Elevation: 22.28' Remarks: Sample	s selected for analysis at 7—9', 18—20',
Datum: Mean Sea Level 36-38', and 96-	-98'.
Logged By: John Schafer	
Drilling Method: Rotosonic	
Contractor: Prosonic	
Borehole Dia.: 6.00in	
Craph PID PiD Craph	Description
0.0 ppm 0.0 ppm 0.	avel, some coarse gravel, black staining, heavy hydrocarbon—like odor
16-21 100 ppm 10 10	fine—coarse gravel, lens of fine sandy ravel at 18.5', loose, tar staining nalene—like odor, moist
21-26 0.0 ppm 0.0 ppm 0.0 slight tar staining at 25', 0.0 ppm 0.0 ppm	
26-31' 26-31' 26-31' 0.0 ppm 0.0 pp	to 31' Page 1 of 3

Locat	ion: Bay	Shore/B	rightwaters			Site Id: BBSB-51
Purpo	ose: Soil	Boring				Total Depth: 106.00'
Consi	Consulting Firm: Dvirka & Bartilucci					Borehole Dia.: 6.00in
		erval				
Depth (ft)	Recovery	Sample Interval	DId	Graphic Log		Material Description
		31–36'	0.0 ppm 5.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	like odor,	, loose, heavy NAPL staining/coating, naphthalene— moist SAND, trace fine gravel, loose, moist
35 -		36–41'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine-coarse	SAND w/some fine-coarse gravel, loose, moist
45 -		41–46'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine—coarse moist	SAND w/some fine gravel, trace coarse gravel, loose,
50 -		46–51'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		ND w/trace—some fine gravel, lens of fine—coarse ne—coarse sand at 48.5', loose, moist
55 -		51–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Tan, fine-medium S loose, mo	AND w/some coarse sand, trace fine—coarse gravel, ist
60 -		56–61'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Tan-brown, fine-me loose	dium SAND w/some coarse sand, trace fine gravel,
65 -		61–66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		n, fine SAND w/some medium sand, brown silty fine sand 5—64.75', medium dense, moist
		66-71'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, fine SAND, li	
			0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		SAND w/some fine gravel, liquidy, wet se SAND w/f—c gravel, liquidy, wet, to dk gray CLAY
						Page 2 of 3



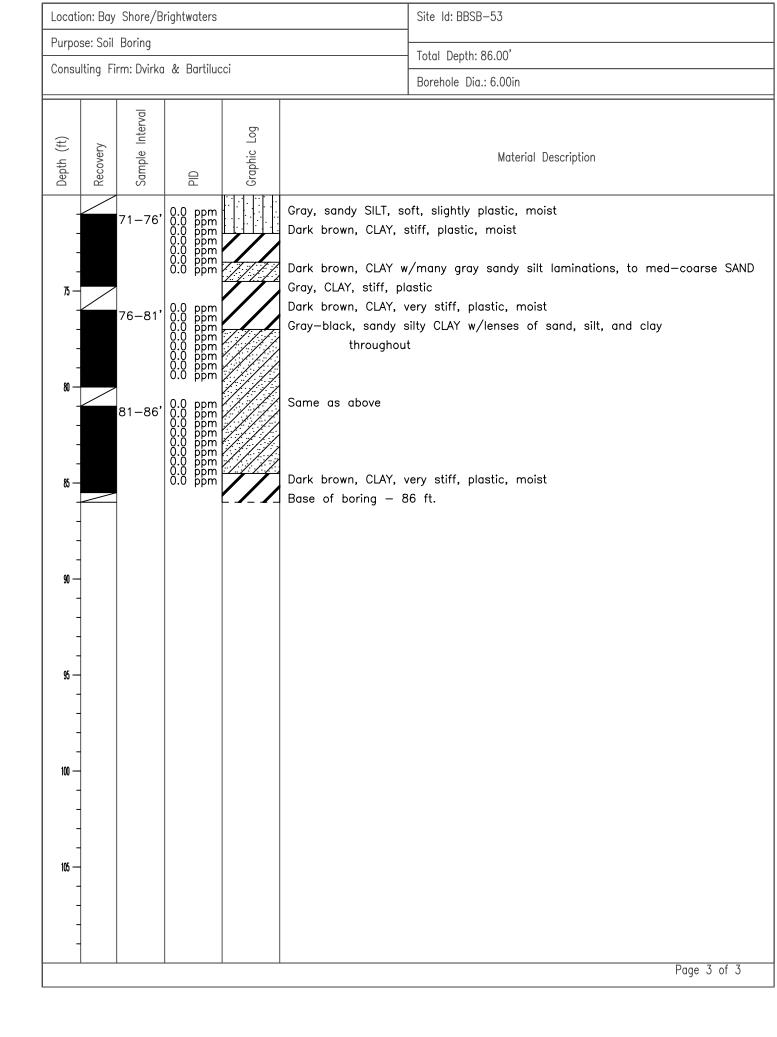
						Site Id: BBSB-52		
				virka		Location: Bay Shore/Brightwaters		
			()) ^a B	nd artiluo	cci	Purpose: Soil Boring		
	AD	IVISION O		NSULTING EI DSULICH ASSO		Date(s): 02/04/02 - 02/05/02		
		.1				Total Depth: 86.00'		
	tion: 23.07					Remarks: Samples selected for analysis at 1-3', 6-8',		
	m: Mean So					13-14', 33-35', and 84-86'.		
	ed By: John							
<u> </u>	ng Method:		nic					
	ractor: Pros							
Borer	nole Dia.:6							
		Sample Interval		bo				
Depth (ft)	Recovery	ple Ir		Graphic Log		Material Description		
Dept	Reco	Sam	DIA	Grap				
	- 0.	-6'	300 ppm 400 ppm 900 ppm 300 ppm 650 ppm 315 ppm 72 ppm		Brown, FILL, silty m	natrix w/wood, roots, brick, concrete, some fine—		
			300 ppm 300 ppm 650 ppm			and and gravel, heavy staining, hydrocarbon—like		
			315 ppm 72 ppm		odor			
5 -								
	6	-11'	400 ppm 1100 ppm 650 ppm 825 ppm 750 ppm 750 ppm	· · · · · ·		SAND w/some fine—coarse gravel, loose, heavy coated w/NAPL, heavy hydrocarbon—like odor,		
			650 ppm 825 ppm 750 ppm 750 ppm		wet	could wy twink, neavy hydrocarboli like odor,		
			750 ppm					
10 -			450 ppm	`o``o	Black, fine-coarse	SAND w/some fine-coarse gravel, heavy black stain	ling,	
	- 1	1–16'	300 ppm 250 ppm 200 ppm	· · · ·		I blue hue/sheen, heavy hydrocarbon-like odor		
	-		60 ppm 15 ppm	· · · · · ·	Plack oparoo cand	y fine—coarse GRAVEL, heavy black staining—nearly		
15 -	-		175 'pˈpm			w/tar, naphthalene-like odor		
		6-21'	125 ppm 175 ppm			SAND, some fine-coarse gravel, moderate-heavy le	nses	
			150 ppm 150 ppm			ar, heavy staining, gunmetal blue hue, heavy me—like odor		
	_		85 ppm 75 ppm 65 ppm	· · · · · ·				
20 -			47	· o · o	Danua tan fina an			
	2	1–26'	13 ppm 20 ppm 17 ppm	o o		parse SAND w/fine gravel, some coarse gravel, loose nmetal hue from 21-21.5', naphthalene-like odor,	,	
	-		13 ppm 12 ppm 11 ppm	· · · · · ·	moist			
			14 ppm 16 ppm	· · · · ·				
25 -		6–31'	20 ppm	0 0	Brown, fine-coarse	SAND w/some fine-coarse gravel, loose, intermittan	nt	
	-	0-01	20 ppm 25 ppm 25 ppm 60 ppm 65 ppm 55 ppm 50 ppm		tar lense:	s, naphthalene—like odor, moist		
			65 ppm 55 ppm 50 ppm					
						Page 1 of	f 3	
1								

Locat	ion: Bay	Shore/B	rightwaters			Site Id: BBSB-52
Purpo	se: Soil	Boring				Total Depth: 86.00'
Consu	Consulting Firm: Dvirka & Bartilucci					Borehole Dia.: 6.00in
-						
Depth (ft)	Recovery	Sample Interval	DIA	Graphic Log		Material Description
-		31–36'	7.0 ppm 9.0 ppm 7.0 ppm 1.0 ppm 1.0 ppm 1.0 ppm 1.0 ppm 1.0 ppm	0 0 0		SAND w/some fine gravel, trace coarse gravel, loose, stringers from 31—32', moist
35		36–41'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine—coarse	SAND w/some fine-coarse gravel, loose, moist
40 		41–46'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine-coarse moist	SAND w/some fine gravel, trace coarse gravel, loose,
45 -		46-51'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Orange-brown, fine	-coarse SAND w/some fine-coarse gravel, loose, moist
		51–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Orange-brown, fine loose, mo	—medium SAND, trace coarse sand and fine gravel, bist
		56–61'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Orange-brown, fine	-medium SAND, medium dense, moist
- - - - 65		61–66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Light gray, fine—ver	y fine SAND, mica flakes, medium dense, moist
		66–71'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine SAND, r	medium dense, natural gray/black discoloration, moist Page 2 of 3

Location: Bay Shore/Brigh	ntwaters		Site Id: BBSB-52	
Purpose: Soil Boring			Total Depth: 86.00'	
Consulting Firm: Dvirka &	: Bartilucci		Borehole Dia.: 6.00in	
Depth (ft) Constraint	.0 ppm	Brown—gray, fine SA Dark gray, CLAY, m	Material Description nedium dense, natural gray/black discoloration, r ND, micaceous, medium dense, moist ixed with fine—coarse gravel from 72.5—73.5', s, soft, liquidy, plastic, wet	moist
	0 ppm 0 ppm 0 ppm 0 ppm 0 ppm 0 ppm 0 ppm	Gray, silty fine-very Gray-black, silty SA Dark brown, CLAY, s w/some o	e fine SAND w/some clay, mica flakes, dense, m ND, micaceous, very dense, moist stiff, plastic, to gray-black, very fine sandy SILT clay, micaceous, soft, slightly plastic ne-fine sandy SILT, some black clay, soft,	
81-86' 0. - - - - - - - - - - - - -	0 ppm 0 ppm		itic, moist	
90				
95				
			Page 3	of 3

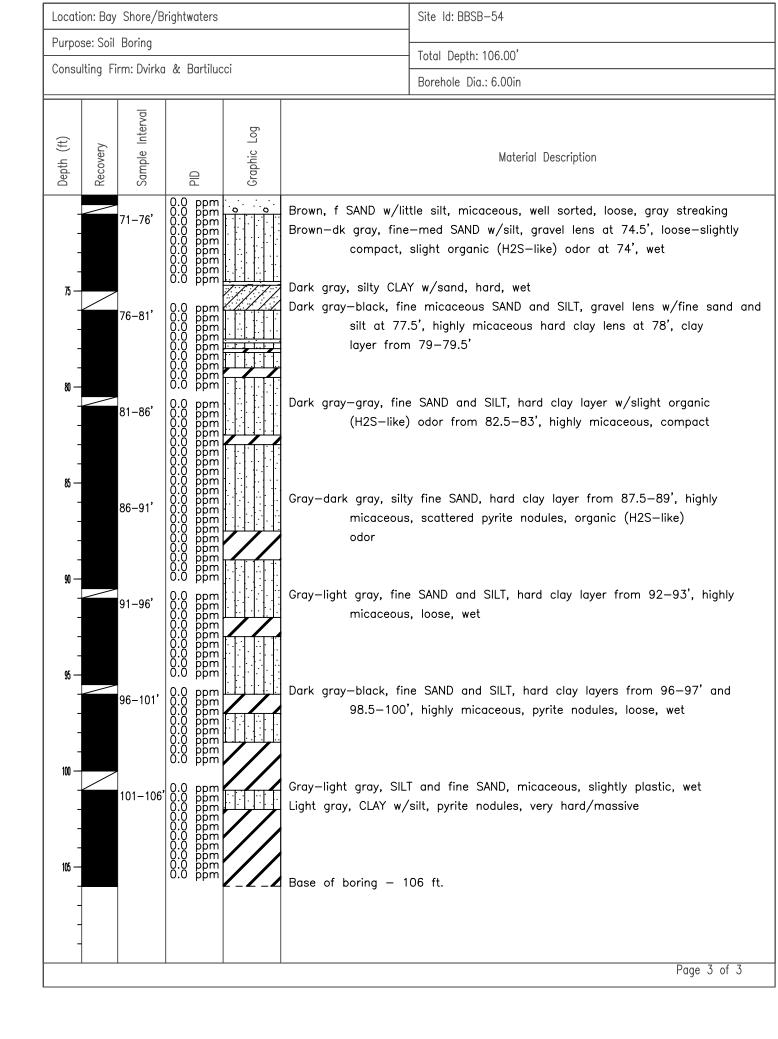
					Site Id: BBSB-53		
			virka nd		Location: Bay Shore/Brightwaters		
		D)B	artilu	cci	Purpose: Soil Boring		
	A DIVISION O	DF WILLIAM F. C	NSULTING E	NGINEERS	Date(s): 01/31/02 - 02/04/02		
					Total Depth: 86.00'		
	ation: 22.77'				Remarks: Samples selected for analysis at 6-8', 19-21',		
	m: Mean Sea Lev				26-28', and 66-68'.		
	ed By: Fox, Schat				-		
—	ng Method: Rotoso ractor: Prosonic	DNIC					
	hole Dia.: 6.00in				-		
Dore							
()	Recovery Sample Interval		Log				
Depth (ft)	Recovery Sample		Graphic Log		Material Description		
Dep		GIA	Gra				
	- 0-6'	40 ppm 20 ppm 18 ppm 20 ppm 17 ppm			nd gravel, brick fragments, black tar staining, mild		
		20 ppm 17 ppm 17.5 ppm 17.2 ppm		tar-like o	odor		
		17.2 ppm					
5.	-//	800		Black fine-coarse	SAND w/some fine—coarse gravel, loose, heavy black		
	6-11'	800 ppm 500 ppm 575 ppm 550 ppm 550 ppm 300 ppm	· · · · · · · · · · · · · · · · · · ·		heavy hydrocarbon-like odor, wet		
	-	550 ppm 550 ppm 300 ppm					
10 -							
		650 ppm			SAND w/some fine-coarse gravel, loose, black stainin	g,	
	-	750 ppm 800 ppm 650 ppm		. staining o	n liner to 13.5', heavy hydrocarbon—like odor, wet		
	-	250 ppm 130 ppm 200 ppm			arse SAND w/fine-coarse gravel, loose, black staining],	
15 -		0.7	0 0 	1	on—like odor, wet ND w/f gravel, some coarse gravel, loose, intermittar	nt	
	16-21'	23 ppm 255 pppm 255 pppm 255 pppm 255 pppm 455 pppm 28 ppm	· · · · ·		ated lenses, slight tar-like odor, wet		
	-	23 ppm 25 ppm 45 ppm					
20 -	-	15 ppm 28 ppm					
	21-26'	50 ppm 13 ppm 11 ppm	 		SAND w/some fine-coarse gravel, loose, tar staining,	/	
		11 ppm 7.5 ppm 8.0 ppm	· · · · · · · · · · · · · · · · · · ·		ting on sand and gravel from 21—22', slight on—like odor, moist		
		7.5 ppm 10 ppm 9.0 ppm	· · · · · · · · · · · · · · · · · · ·				
25 ·		0.5 ppm		Brown fine-course	SAND w/some fine-coarse gravel, loose, moist		
	26–31'	1.0 ppm					
		1.0 ppm 1.0 ppm 1.0 ppm					
	-	1.0 ppm 1.0 ppm	. o o			£ 7	
					Page 1 o	I J	

Locat	Location: Bay Shore/Brightwaters					Site Id: BBSB-53
Purpo	se: Soil	Boring				Total Depth: 86.00'
Consu	ulting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 6.00in
Depth (ft)	Recovery	Sample Interval	DID	Graphic Log		Material Description
		31–36'	1.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		SAND w/some fine—coarse gravel, loose, moist SAND w/some coarse sand, trace fine gravel, loose,
35		36–41'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, fine-coarse moist	SAND w/some fine gravel, trace coarse gravel, loose,
40 - - -		41–46'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, fine-medium moist	SAND w/some coarse sand, trace fine gravel, loose,
45 - -		46–51'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	-	medium SAND w/some coarse sand, some fine gravel, a flakes, loose, moist
50 - - - - - - - - - - - - - - - - - - -		51–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	-	n, fine—medium SAND, trace coarse sand and fine gravel, ense, moist
		56–61'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	loose, mo	medium SAND, trace coarse sand and fine gravel, ist /some medium and very fine sand, medium dense, moist
		61–66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	-	n, fine SAND w/some medium sand, trace coarse sand, ense, moist e SAND, dense
-		66–71'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Gray, sandy fine-co	SAND w/some silty clay lenses, medium dense arse GRAVEL w/coarse sand, loose, wet ray clay lens at 67.6', soft, slightly plastic, wet
						Page 2 of 3



						Site Id: BBSB-54		
				virka		Location: Bay Shore/Brightwaters		
	(D)B	nd artiluo	cci	Purpose: Soil Boring		
		ADIVISION	DF WILLIAM F. C	NSULTING EI OSULICH ASSO		Date(s): 02/03/02 - 02/03/02		
		0.7'				Total Depth: 106.00'		
	ion: 23.					Remarks: Samples selected for analysis at 7-9', 13-15',		
		Sea Lev	el			22-24, and 53-55'.		
		om Fox						
		od: Rotoso rosonic	DNIC					
		.: 6.00in						
Doren								
		Sample Interval		<u> </u>				
Depth (ft)	Recovery	ple Ir		Graphic Log		Material Description		
Dept	Reco	Sam	DID	Grap				
-		0–2'	0.0 ppm 0.0 ppm 3.5 ppm 0.0 ppm		Black, silty sandy F	ILL w/clay and crushed brick, wet		
-		2–7'	10.0 ppm			ILL w/clay and crushed brick, slight naphthalene—lik	e	
			20 ppm 17 ppm 20 ppm 11 ppm		odor, wet			
5-			11 ppm 250 ppm 90 ppm					
-			160 ppm		FILL, crushed brick, FILL, crushed concre	strong naphthalene—like odor ata		
		7–11'	150 ppm 190 ppm 40 ppm			rse SAND, loose, tar saturated, strong naphthalene—	like	
-			369 ppm 270 ppm	0 0 	odor, wet			
10			374 ppm 363 ppm 355 ppm	· · · · · ·	 Black. medium—coar	rse SAND w/gravel, loose, tar saturated, strong		
-		11–16'	240 ppm	o o		ne-like odor, wet		
-			142 ppm 482 ppm			oose, tar saturated, strong naphthalene—like odor, w	vet	
- 15			489 ppm 247 ppm 220 ppm	0 0		rse SAND, loose, tar saturated to 15.5', strong ne—like odor, wet		
-		16-20'	156 ppm 64 ppm		· · ·	medium-coarse-very coarse SAND, little gravel, loos	se,	
-		10 20	54 ppm 125 ppm 39 ppm			ar in sand pores w/taffy—like consistency, moderate	Э	
			125 ppm 39 ppm 51 ppm 54 ppm 63 ppm 30 ppm	0 	naphthaler	ne-like odor, wet		
20 —		20–26'		.0.0.0.0		coarse SAND and GRAVEL, loose, taffy—like tar from	۱	
-			20 ppm			slight naphthalene—like odor, wet SAND, little gravel, loose, wet		
			0.0 ppm 9.6 ppm 20 ppm 15 ppm 12 ppm 14 ppm 15 ppm 6.2 ppm	 				
-			o.∠ ppm	0 0				
25			6.0 ppm		 Light brown-white.	coarse—very coarse SAND, little gravel, trace silt,		
		26–31'	6.0 ppm 5.0 ppm 4.0 ppm 6.0 ppm		loose, wet			
			7.0 ppm					
			7.2 ppm 8.0 ppm	<u> </u>			- 1 7	
						Page 1	OT J	

Locati	Location: Bay Shore/Brightwaters					Site Id: BBSB-54
Purpo	se: Soil	Boring				Total Depth: 106.00'
Consu	Consulting Firm: Dvirka & Bartilucci					Borehole Dia.: 6.00in
Depth (ft)	Recovery	Sample Interval	DId	Graphic Log		Material Description
		31–36'	8.5 ppm 0.0 ppm 0.0 ppm 0.2 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Lt br-white, medium	-very coarse SAND, little gravel, trace silt, loose n—coarse SAND, little gravel, trace silt, loose, wet ery fine SAND, little silt, loose, moist
		36–41'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Light brown—white, r loose	medium—coarse SAND, little gravel, trace silt,
-		41–46'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Light brown-red, me	edium SAND, trace gravel and silt, loose, wet edium—coarse—very coarse SAND, some gravel, trace
		46-52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	silt, loose, Light brown-white, f	ine—medium SAND, trace gravel and silt, loose, wet
			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		rse SAND, trace gravel and silt, loose, natural Fe— oration, wet
- - - 55 —		52–57'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine—medium wet	SAND, trace silt and gravel, well sorted, loose,
-		57–60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, fine-medium	SAND, little silt, well sorted, loose, wet
60		60–66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	-	coarse SAND, trace silt, loose, wet SAND, little silt, well sorted, slightly compact,
65 — - - -		66–71'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	,	/little silt, micaceous, well sorted, loose, gray from 68—70', wet
						Page 2 of 3



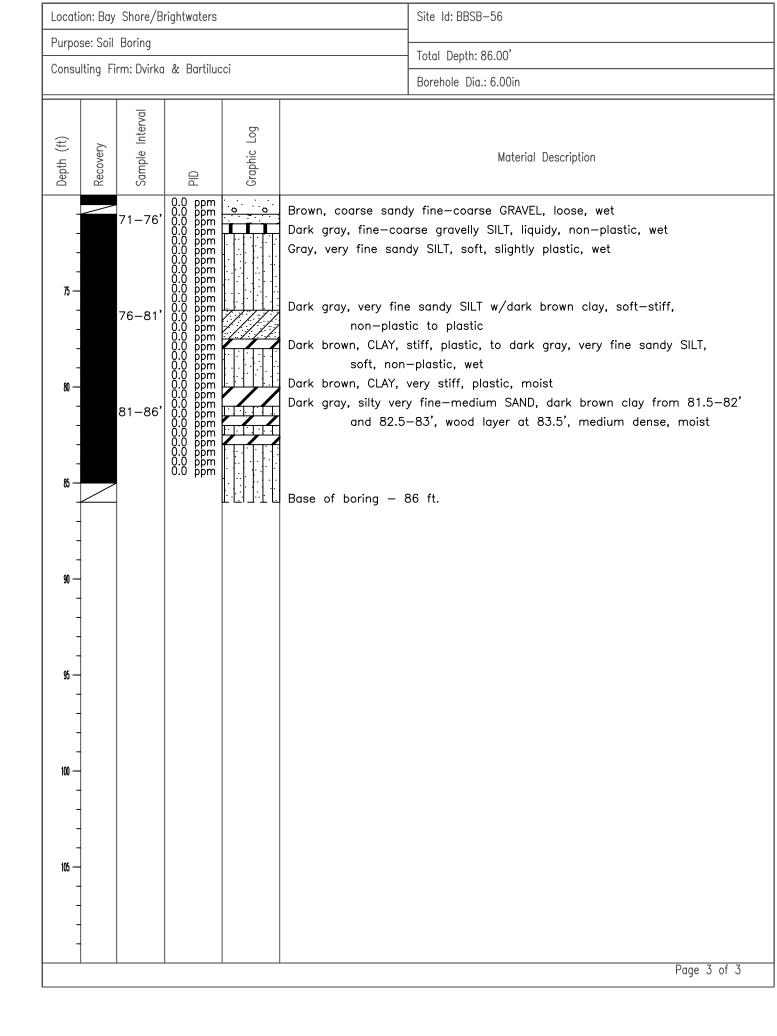
					Site Id: BBSB-55	
			virka		Location: Bay Shore/Brightwaters	
		O)B	nd artilu	cci	Purpose: Soil Boring	
	A DIVISION O	DF WILLIAM F. C	NSULTING EI OSULICH ASSO		Date(s): 01/18/02 - 01/21/02	
					Total Depth: 76.00'	
<u> </u>	ion: 23.68'				Remarks: Samples selected for analysis at 12-14', 16-18',	
	n: Mean Sea Lev				20-22', and 70-72'.	
	d By: John Scho					
—	g Method: Geopre					
<u> </u>	actor: Zebra Envi	ronmental				
Boren	ole Dia.: 2.00in					
	Recovery Sample Interval		бо			
Depth (ft)	very ple In		Graphic Log		Material Description	
Deptl	Recovery Sample II	DID	Grap			
	0-4'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			dium sandy FILL w/some fine-coarse gravel, semi-dense, «, concrete layer at 2', coke layer under concrete to st	
	4-8'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	• •	Brown, fine-medium moist Gray, SILT, dense, dr	SAND w/some coarse sand, some fine-coarse gravel, loose, y, crumbly	
- - - 10 —	8-12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		dense	silty fine—medium SAND w/some fine—coarse gravel, medium dense, moderately plastic, moist	
	12-16	300 ppm 400 ppm 400 ppm 150 ppm 115 ppm 31 ppm	0 0	heavy blac	SAND w/some coarse sand, trace fine—coarse gravel, loose, k staining, heavy tar—like odor, wet ND w/fine—coarse gravel, loose, some tar staining, lor, wet	
	16-20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	1	ND w/some fine—coarse gravel, loose, tar stained gravelly s from 16—16.25' and at 17', slight tar—like odor, wet	
20	20-24	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Tan, fine—coarse SAND w/fine gravel and some coarse gravel, loose, wet		
25 —	24–28'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Tan, fine-coarse SAN	ND w/fine gravel, trace coarse gravel, loose, wet	
	28–32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Tan, fine-medium SA	AND w/trace coarse sand, some fine gravel, loose, wet Page 1 of 3	
1						

Locati	Location: Bay Shore/Brightwaters					Site Id: BBSB-55	
Purpo	se: Soil	Boring				Total Depth: 76.00'	
Consu	Consulting Firm: Dvirka & Bartilucci					Borehole Dia.: 2.00in	
		_					
Depth (ft)	Recovery	Sample Interval	DId	Graphic Log		Material Description	
-		32–36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		ND w/trace coarse sand, some fine gravel, loose, wet ND, trace coarse sand, some fine gravel, loose, wet	
		36–40'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Tan, fine-coarse SAN	D w/some fine gravel, loose, wet	
40 — - -		40–44'	0.0 ppm ppppppppppp 0.00 ppppp 0.00 ppp 0.00 pp 0.00 pp	0 0		ND w/some coarse and fine gravel, loose, some natural Fe—like discoloration, wet	
		44–48'	0.0 ppm 0.0 pppm 0.0 ppppp 0.0 pppm 0.0 ppm 0.0 ppm	0 0 0 0		ND w/trace coarse sand, trace fine gravel, loose, al orange brown Fe—like discoloration, wet	
		48–52'	0.0 ppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 ppm	0 0	Same as above		
		52–56'	15 0.00 4.00 0.00 0.00 0.00 0.00 0.00	0 0 0 0	Brown, fine-medium	SAND, loose, wet	
-		56–60'	0.0 ppm 0.0 ppm	0 0	wet (jar te	SAND, loose, slight hydrocarbon—like odor at 59.5', st at 59.5': floating tar particles, sheen, nydrocarbon—like odor)	
- 60 		60–64'	0.0 ppm ppppm ppppppppp pppp pppp ppp ppp p	0 0 0 0	Brown, fine SAND w/	trace medium sand, loose, wet	
		64–68'	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0 0	Brown, fine SAND, so	me mica flakes, medium dense, wet	
-		68–72'	0.0 ppm 0.0 ppm 4.0 ppm 0.0 ppm	0 0 0 0	Brown w/some orang	e brown, fine SAND, medium dense, wet Page 2 of 3	
						ruge 2 01 5	

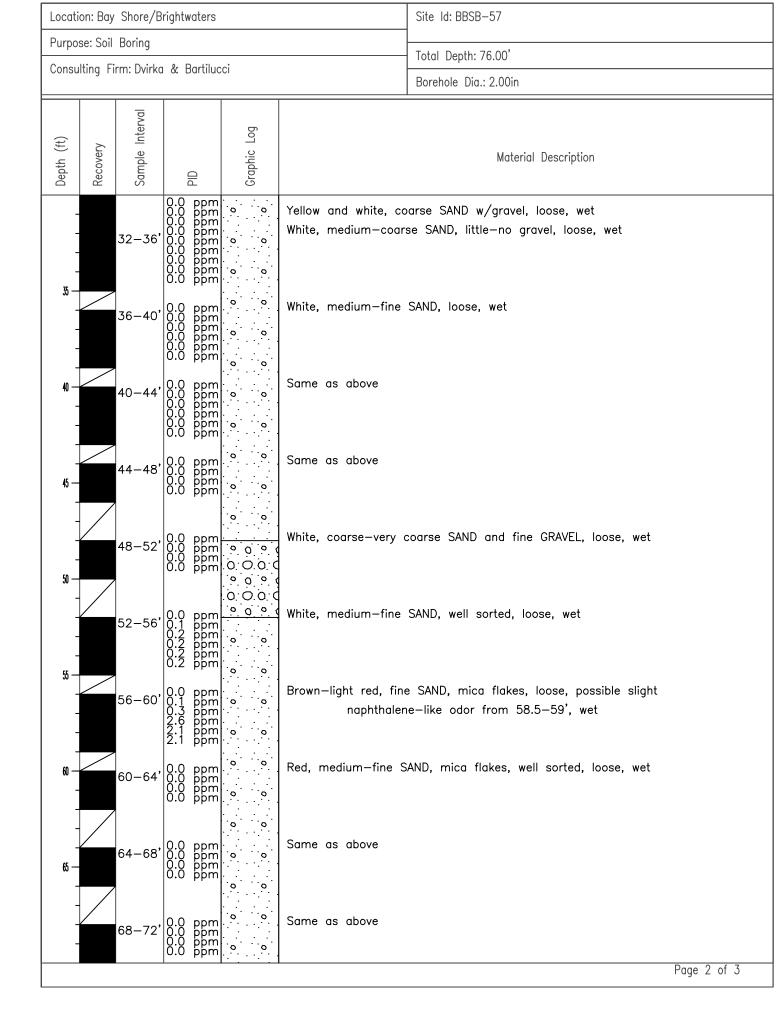
Locati	Location: Bay Shore/Brightwaters					Site Id: BBSB-55	
Purpo	se: Soil	Boring					
Consu	Consulting Firm: Dvirka & Bartilucci					Total Depth: 76.00'	
					1	Borehole Dia.: 2.00in	
Depth (ft)	Recovery	Sample Interval	DID	Graphic Log		Material Description	
		72–76'	0.0 ppm 0.0 ppm 0.0 ppm		1	ge brown, fine SAND, medium dense, wet ler lost down borehole 5 ft.	
90							Page 3 of 3

Description Description Development Description Development Deta(\$): 02/13/02 - 02/14/02 Total Depth: 85.00' Beredion: 23.41' Data(\$): 02/13/02 - 02/14/02 Total Depth: 85.00' Remarks: Samples selected for analysis of 9-11', 12-14', 43-44', and 1-12.3. Lagged Bp: John Schrifer Dhilling Method: Robusonic Contractor: Presonic Derthole Dia:: 6.00in Orefold: Brain Schrifer Dia:: 60.0in Brown, FILL, sity matrix w/crushed concrete, brick, some coarse gravel Image: Some selected for analysis of 9-11', 12-14', 43-42', and 1-12.3. Geotechnical samples selected for analysis of 9-11', 12-14', 43-42', and 1-12.3. Borehole Dia:: 6.00in Image: Some selected for analysis of 9-11', 12-14', 43-42', and 1-12.3. Geotechnical samples selected for analysis of 9-11', 12-14', 43-42', and 1-13.3. Image: Some selected for analysis of 9-11', 12-14', 43-42', and 1-13.3. Image: Some selected for analysis of 9-11', 12-14', 43-42', and 1-13.3. Image: Some selected for analysis of 9-11', 12-14', 43-42', and 1-13.3. Image: Some selected for analysis of 9-11', 12-14', 43-42', and 1-13.3. Image: Some selected for analysis of					Site Id: BBSB-56		
Purpose: Soil Boring Data Purpose: Soil Boring Data(s): 02/13/02 - 02/14/02 Elevation: 23.41* Remarks: Samples selected for analysis at 9–11*, 12–14*, 43–44*, and 71–73*, Geolechnical samples selected for analysis at 21–23* and 68–70*. Drilling Method: Rolesonic Material Description Contractor: Presentic Purpose: Soil Boring Barehole: Dia: 6.00in Purpose: Soil Boring Open Particle Particle Purpose: Soil Boring Open Particle Particle Purpose: Soil Boring Open Particle Purpose: Soil Boring Purpose: Soil Boring Drilling Method: Rolesonic Purpose: Soil Boring Purpose: Soil Boring Open Particle Particle Purpose: Soil Boring Purpose: Soil Boring Open Particle Particle Purpose: Soil Boring Purpose: Soil Boring Open Particle Particle Purpose: Soil Boring Purpose: Soil Boring Purpose: Soil Boring Open Particle Particle Purpose: Soil Boring Purpose: Soil Boring Purpose: Soil Boring Purpose: Soil Boring Open Particle Purpose: Soil Boring Purpose: Soil Boring			-		Location: Bay Shore/Brightwaters		
Date(s): 02/13/02 - 02/14/02 Total Depth: 86.00' Berentic:: 23.41' Total Depth: 86.00' Date(s): 02/13/02 - 02/14/02 Total Depth: 86.00' Date(s): 02/13/02 - 02/14/02 Total Depth: 86.00' Dolling Method: Rotsonic Contract: Samples selected for analysis at 9-11', 12-14', 43-44', a0/1-43', a0/		(́ _)в́	artilu	cci	Purpose: Soil Boring		
Elevation: 23.41' Remarks: Samples selected for analysis at 9–11', 12–14', 43–44', ad 71–73'. Gotechnical samples selected for analysis at 21–23' and 68–70'. Lagged By. John Schafer Contractor: Prosonic Dortinic Without Rotosonic Material Description Barchol Dia:: 6.0in Brown, FILL, silty matrix w/crushed concrete, brick, some coarse gravel 0 0	ADIVISION				Date(s): 02/13/02 - 02/14/02		
Datum: Mean Sea Level Remarks: Samples selected for analysis at 9–11', 12–14', 43–44', and 68–70'. Drilling Method: Rotosonic Contractor: Presonic Borehole Dia:: 6.00in Brown, FILL, silty matrix: w/crushed concrete, brick, some coarse gravel 0 0					Total Depth: 86.00'		
Logged By: John Schafer Eelechnical samples selected for analysis at 21-23° and 68-70°. Drilling Method: Rotasonic Eelechnical samples selected for analysis at 21-23° and 68-70°. Borehole Dia: 6.00in Image: Contractor: Prosonic Borehole Dia: 6.00in Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosoni: Prosonic Image: Contractor: P					Remarks: Samples selected for analysis at 9-11', 12-14',		
Drilling Method: Rotosonic If is one of other Contractor: Prosonic Ended of other Borehole Dia: 6.00in Material Description Image: State of the state of other					Geotechnical samples selected for analysis at		
Contractor: Presonic Borehole Dia: 6.00in Material Description (1)					21-23' and 68-70'.		
Borehole Dia: 6.00in Uii ging Diagonal Org Org Org Org Org Org Material Description 00 00000		onic					
(1) (
0-6' 0.0 ppm 0.0 ppm 100							
0-6' 0.0 ppm 0.0 ppm 100)))))))))))))))))))		bo				
0-6' 0.0 ppm 0.0 ppm 100	h (ft.		hic L		Material Description		
 6-11' 300 ppm 300 ppm 300	Dept Recc Sam		Grap				
 6-11' 300 ppm 300 ppm 300	- 0-6'	0.0 ppm 0.0 ppm		Brown, FILL, silty m	natrix w/crushed concrete, brick, some coarse gravel		
	6-11' 11-16 11-16 16-21 21-26 25	3000 ppmm 3000 pppmm 3000 pppm 3000 pppm <		FILL, brick dust/fra FILL, concrete w/co like odor, Black, fine-coarse like odor, Black to gray (gun sporadic hydrocarb Black-gray-brown, staining, Brown, fine-coarse	gments (drilled through large steel object) barse gravel in brown silty matrix, slight hydrocarbon- wet SAND w/some f-c gravel, black staining, hydrocarbon- wet metal), fine-coarse SAND w/some fine-coarse gravel, brown tar-like staining, black staining, heavy bon-like odor fine-coarse SAND w/some fine-coarse gravel, loose, bk slight hydrocarbon-like odor, wet SAND w/fine-coarse gravel, loose, moist		
Page 1 of 3			·····		Page 1 of 3		

Location: Bay Shore/Bright	waters		Site Id: BBSB-56
Purpose: Soil Boring			Total Depth: 86.00'
Consulting Firm: Dvirka &	Bartilucci		Borehole Dia.: 6.00in
Depth (ft) Recovery Sample Interval	PID Graphic Log		Material Description
31-36' 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	ppm o o	Brown-tan, fine-coo moist to	arse SAND w/fine gravel and some coarse gravel, loose, wet
35- 36-41' 0.0 - 36-41' 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.) ppm		tled orange brown, fine—coarse SAND, fine and some avel, loose, moist
41-46' 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	o o ppm · o o o ·	Brown, fine—coarse SAND w/fine gravel, some coarse gravel, slightly coarser lens at 43.5' w/slight tar and slight tar—like odor, loose, moist	
46-51, 0.0 46-51, 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0) ppm) ppm) ppm • • •) ppm • • •) ppm	Brown, fine-coarse	SAND w/some fine—coarse gravel, loose, moist
51-56' 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	ppm ·	Brown w/mottled or loose, mo	ange brown, fine—coarse SAND, some fine gravel, ist
56-61 ['] 56-61 ['] 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.) ppm) ppm) ppm) ppm) ppm) ppm) ppm	Brown, fine—medium mica, loos	n SAND, trace coarse sand and fine gravel, some se, moist
61-66' 0.0 - 61-66' 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0) ppm) ppm		range brown, fine—medium SAND, trace coarse sand, a, medium dense
66-71, 0.0 66-71, 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0) ppm	Brown, fine—very fir wet	ne SAND to 70.5', some mica flakes, medium dense,
			Page 2 of 3



				Site Id: BBSB-57
		irka		Location: Bay Shore/Brightwaters
	\bigcirc and Ba	u rtiluo	cci	Purpose: Soil Boring
A DIVISION OF	WILLIAM F. COSU	ULTING EN	NGINEERS	Date(s): 12/07/01 - 12/07/01
				Total Depth: 76.00'
Elevation: 22.69'				Remarks: Samples selected for analysis at 10-12', 20-22',
Datum: Mean Sea Level				54-56', and 64-66'.
Logged By: Tom Fox				
Drilling Method: Geoprob	е			
Contractor: Zebra Enviro	nmental			
Borehole Dia.: 2.00in				
Depth (ft) Recovery 	DId	Graphic Log		Material Description
8-12' 12-16' 15- 16-20' 20-24' 24-28' 000 24-28' 000 000 000 000 000 000 000 0).0 ppm).0 ppm .2 ppm .2 ppm .0		Black, medium SAND Black, medium-fine loose, wet Black, medium-coar loose, wet Same as above Yellow, medium-fine Bk, coarse SAND an Yellow, medium-fine Yellow and white, m hydrocarbo	se SAND, black staining, strong naphthalene-like odor, SAND, loose, sheen, slight naphthalene-like odor, wet d GRAVEL, saturated w/NAPL, strong naphthalene-like odor SAND, loose, sheen, slight naphthalene-like odor, wet edium-coarse SAND, little-no gravel, little-no on-like odor, loose, wet
	· ·] ·	. · .]		Page 1 of 3



Location: Bay Shore/Brightwaters	Site Id: BBSB-57
Purpose: Soil Boring	Total Depth: 76.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in
Depth (ft) Recovery Sample Interval PID Craphic Log	Material Description
74-76' 0.0 ppm '0.00 Dark g	ray, fine-very fine SAND, highly micaceous, slightly hard, wet of boring – 76 ft.
	Page 3 of 3

						Site Id: BBSB-58		
				virka		Location: Bay Shore/Brightwaters		
	(()) ^a B	nd artilu	cci	Purpose: Soil Boring		
			DE WILLIAM F. C	NSULTING E OSULICH ASSC		Date(s): 01/31/02 - 01/31/02		
		•				Total Depth: 76.00'		
	ion: 23.					Remarks: Samples selected for analysis at 6-8', 13-15',		
		Sea Leve				22-24', 46-48', and 73-75'.		
		ohn Scha				-		
—		od: Rotoso	DNIC			-		
	actor: P	rosonic .: 6.00in				-		
Boren								
		Iterva		<u> </u>				
Depth (ft)	Recovery	Sample Interval		Graphic Log		Material Description		
Dept	Reco	Sam	OII	Grap				
-	-	0–6'	0.0 ppm 0.0 ppm 0.0 ppm		FILL, wet concrete/	silty slurry		
-	-		12 ppm <u>47</u> ppm			ler, some coarse brick chunks		
			50 ppm 75 ppm 80 ppm			chunks, brick, hydrocarbon—like odor from 2—4' ne—medium SAND w/some coarse sand, trace gravel, loose, staining, heavy hydrocarbon—like odor, moist—wet rse SAND w/some fine gravel, loose, heavy black staining, hydrocarbon—like odor, wet		
5			60 ppm 65 ppm 80 ppm	· · · · · ·	black sta			
-	-	6-11'	400 ppm 375 ppm	· · · · · · · · · · · · · · · · · · ·				
-	-		550 ppm 650 ppm 450 ppm	• • • •				
-	-		400 ppm 480 ppm 550 ppm	0 0 		,		
10			760 ppm 1100 ppm 1 <u>25</u> 0 ppm	· · · · ·		/some medium-coarse sand, loose, black staining, heavy oon-like odor, wet		
-	-	11–16'	300 ppm	o o	· ·	w/f gravel, loose, staining, heavy hydrocarbon—like odor SAND w/fine gravel, loose, heavy staining, wet v/medium—coarse sand, some fine gravel, black staining,		
-	-		1 10 bbm					
15			300 ppm 100 ppm 30 ppm		wet			
-		16–21'	10 ppm 30 ppm 30 ppm		Black, fine-coarse	SAND, trace fine gravel, loose, black staining, wet		
-			j 30 ppm					
	/			· · · · ·				
20	/			· · · · ·				
-	/	21–26'	10 ppm 5.0 ppm 3.0 ppm			parse SAND w/some f gravel, loose, black staining, wet		
			10 ppm 5.0 ppm 3.0 ppm 20 ppm 30 ppm 35 ppm 15 ppm		Tan, fine-coarse SAND w/fine-coarse gravel, loose, saturated with tar from 23-24.5', wet			
-			15 ppm 15 ppm					
25			6.0 ppm		 Tan, fine-coarse S/	AND w/fine gravel, trace coarse gravel, loose, light—		
-		26–31'	6.0 ppm 1.0 ppm 6.0 ppm 0.0 ppm			nt staining to 31'		
-			1.5 ppm 3.0 ppm					
			2.0 ppm 3.5 ppm	<u> </u>				
						Page 1 of 3		

Locat	Location: Bay Shore/Brightwaters					Site Id: BBSB-58
Purpo	se: Soil	Boring				Total Depth: 76.00'
Consu	Consulting Firm: Dvirka & Bartilucci					Borehole Dia.: 6.00in
Depth (ft)	Recovery	Sample Interval	DId	Graphic Log		Material Description
		31–36'	8.5 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Tan, fine—coarse SA Same as above	ND w/some fine gravel, loose, wet
		36–41'	1.5 ppm 3.0 ppm 0.0 ppm 2.0 ppm 1.3 ppm 4.0 ppm 5.0 ppm 4.5 ppm	0 0 0	Tan, fine—coarse SA blebs, wet Same as above	ND w/some fine gravel, loose, intermittant tar t
		41–46'	1.0 ppm 3.0 ppm 5.0 ppm 1.0 ppm 3.0 ppm 2.0 ppm 6.0 ppm 5.0 ppm	o o o	Same as above	
- - - - - - - -		46-51'	2.5 ppm 2.5 ppm 3.5 ppm 0.5 ppm 1.0 ppm 0.0 ppm 0.5 ppm	o o o	hydrocarbo Brown, fine-medium hydrocarbo	SAND w/fine gravel, trace coarse gravel, slight on—like odor n SAND w/some coarse sand, trace fine gravel, slight on—like odor
- - - - - 		51–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		/some medium sand, trace coarse sand, coarse sand avel from 51—51.5', medium dense, wet
- - - - 60 —		56–61'	0.0 ppm 0.0 ppm 0.0 ppm 1.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 1.0 ppm 1.5 ppm	0 0 0 0 0		SAND, medium dense, wet
- - - 65		61–66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 1.0 ppm 1.5 ppm	0 0 0	on sleeve,	n, fine SAND, medium dense, very slight staining , slight hydrocarbon—like odor
		66–71'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, fine SAND, r on sleeve,	
						Page 2 of 3

Purpose: Soil Boring Total Depth: 76.00' Consulting Firm: Dvirka & Bartilucci Borehole Dia: 6.00in (t) (a) (t) (b) (t) (a) (t) (b) (t) (b) (t) (b) (t) (c)	Locati	ion: Bay	Shore/B	rightwaters			Site Id: BBSB-58
Consulting Firm: Dvirka & Bartilucci Borehole Dia.: 6.00in (1) 1 (1	Purpo	ose: Soil	Boring				Total Depth: 76.00'
(1) (Consu	ulting Fi	rm: Dvirka	& Bartiluo	cci		
71-76* 0.0 ppm 0.0 ppm Brown, fine SAND, medium dense, moist 7 7 6 6 Gray/black and brown, fine sandy SILT, micaceous, non-plastic, soft, moist 8 8 of boring - 76 ft.		1			1		Borenole Did.: 0.00in
80- 	Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description	
					· · · · · ·	. Gray/black and bro moist	wn, fine sandy SILT, micaceous, non-plastic, soft,
Page 3 of 3		1				1	Page 3 of 3

			Site Id: BBSB-59	
	Dvirka and		Location: Bay Shore/Brightwaters	
)Bartilu	ссі	Purpose: Soil Boring	
A DIVISION OF WILLIA	CONSULTING E M.F. COSULICH ASSO	NGINEERS XCIATES, P.C.	Date(s): 01/17/02 - 01/17/02	
Elevation: 23.38'			Total Depth: 28.00'	
Datum: Mean Sea Level			Remarks: Samples selected for analysis at 9-11', 16-18',	
Logged By: John Schafer			and 24–26'.	
Drilling Method: Geoprobe				
Contractor: Zebra Environmen	tal			
Borehole Dia.: 2.00in			-	
Depth (ft) Recovery Sample Interval PID	og		Material Description	
	pm pm pm pm pm pm	-	oarse sandy FILL w/fine-coarse gravel, semi-loose, moist FILL, coke, coal, vesicular slag, loose, dry-wet	
4-8 160 200 340	opm opm opm opm opm opm opm opm		coarse SAND w/trace fine—coarse gravel, clay layer at ise, black staining at 6.5', heavy tar—like odor, ry moist	
- 520 350 10 - 550	opm opm opm opm opm opm opm	fine grave	coarse SAND w/some fine—coarse gravel, coarse sand to el at 9', loose, heavily coated with tar, black heavy tar—like odor, moist	
1,80	opm opm opm opm opm opm opm opm opm	staining t	ne—coarse SAND w/some fine gravel, loose, heavy black o 13.5', heavy tar—like odor, wet at 14' n, fine—coarse SAND w/fine gravel, slight tar—like odor	
16-20' 0.0	pm o o pm pm pm pm o o o pm	Orange brown—tan, wet	fine-coarse SAND w/fine-coarse gravel, slightly loose,	
	pm 0.0.0.0 pm 0.0.0.0 pm 0.0.0.0 0 0.0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	Tan-orange brown, fine-coarse SAND w/some fine-coarse gravel, zones of more coarse sand and gravel from 20-21' and 22-22.5', loose, wet		
	pm · · · · · · · · · · · · · · · · · · ·		nge brown, fine—coarse SAND w/some fine—coarse gravel, tural Fe discoloration at 24.5', wet	
	· • · • · •	Base of boring — 2	28 ft.	
			Page 1 of 1	

		Site Id: BBSB-60		
Dvirka	· · · · · · · · · · · · · · · · · · ·	Location: Bay Shore/Brightwaters		
and Bartilu	icci	Purpose: Soil Boring		
A DIVISION OF WILLIAM F. COSULICH AS		Date(s): 01/17/02 - 01/17/02		
		Total Depth: 32.00'		
Elevation: 22.52'		Remarks: Samples selected for analysis at 8-10', 20-22',		
Datum: Mean Sea Level		and 28–30'.		
Logged By: John Schafer				
Drilling Method: Geoprobe				
Contractor: Zebra Environmental				
Borehole Dia.: 2.00in				
og og				
Depth (ft) Recovery Sample Interval PID Graphic Log		Material Description		
- 0-4' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty fine-me	edium SAND w/some fine gravel, leaf/root material		
0.0 ppm	at top of semi-loos	sample, some coke/vesicular slag at 0.5',		
4-8' 0.0 ppm	·	edium SAND w/some fine gravel, loose, moist		
4-8' 0.0 ppm - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
	Brown, fine-coarse	SAND w/some fine gravel, loose, moist		
8–12' 33 ppm	Brown-black-gray,	fine-coarse SAND w/some fine-coarse gravel, loose,		
- 65 ppm - 150 ppm	black stai	ning, heavy hydrocarbon—like odor, moist		
12-16' 0.0 ppm 0.0 in 12-16' 1	-	SAND w/some fine gravel, loose, some black staining		
12-16 47 bbm · · · · · 60 ppm · · · · · 75 ppm · · · · · 25 ppm · · · · ·	from 12–	-15', slight hydrocarbon-like odor, wet at 15' vn, fine-coarse SAND w/some fine gravel, loose, coated at 16.5', sheen, faint naphthalene-like odor, wet		
15 – 25 ppm				
16-20' 0.0 ppm · · · · · · · · · · · · · · · · · ·	·			
		it 10.5, sheen, funt hapithalene-like odor, wet		
0.0 ppm 20−24' 0.0 ppm 20−24' 0.0 ppm 0.0 pp	Brown, fine—coarse wet	SAND w/fine gravel and some coarse gravel, loose,		
0.0 ppm • • • • 0.0 ppm • • • • 0.0 ppm • • • •				
24-28 0.0 ppm 0 0 0.0 ppm 0 0 0.0 ppm 0 0	wet	SAND w/fine gravel and trace coarse gravel, loose,		
24–28 [,] 0.0 ppm · · · · · · · · · · · · · · · · · ·				
	Brown, fine-coarse	SAND w/some fine gravel, trace coarse gravel, loose,		
28–32' 0.0 ppm		ural Fe banding at 29.5', wet		
	1	Page 1 of 2		

						Site Id: BBSB-60
Purpos	se: Soil	Boring				Total Dopth: 32.00'
Consu	lting Fi	rm: Dvirka	& Bartiluc	ci		Total Depth: 32.00'
			1			Borehole Dia.: 2.00in
Depth (ft)	Recovery	Sample Interval	DID	Graphic Log		Material Description
-			0.0 ppm 0.0 ppm	· · · · · ·	Brown, fine—coarse Base of boring — 3	SAND w/some f gravel, trace coarse gravel, loose, wet 32 ft.
-						
40						
-						
45						
-						
50						
60						
-						
65 —						
-						
						Page 2 of 2

			Site Id: BBSB-61	
	Dvirka		Location: Bay Shore/Brightwaters	
	and Bartilu	cci	Purpose: Soil Boring	
A DIVISION OF WILLIAM	CONSULTING E 1 F. COSULICH ASSO	NGINEERS ICIATES, P.C.	Date(s): 02/04/02 - 02/05/02	
			Total Depth: 76.00'	
Elevation: 20.69'			Remarks: Samples selected for analysis at 6-8', 12-14',	
Datum: Mean Sea Level			40-42', 70-72', and 74-75.5'.	
Logged By: William J. Ryan				
Drilling Method: Geoprobe				
Contractor: Zebra Environment	ai			
Borehole Dia.: 2.00in				
Depth (ft) Recovery Sample Interval	бо			
Depth (ft) Recovery Sample In PID	Graphic Log		Material Description	
PID PID PID	Grap			
0-4' 0.0 p - 0.0 p - 0.0 p - 0.0 p		Orange brown, sandy	SILT, dense, moist	
	om	Orange brown, mediu	m—coarse SAND w/fine gravel, loose, moist	
	om	. Same as above	-medium SAND, loose, moderate black staining, moist fine—medium—coarse SAND, loose, saturated w/NAPL, soils, strong hydrocarbon—like odor, wet	
4-8' 0.0 p 5- 4-8' 0.0 p 0.0 p 0.0 p	om l			
- 211 p 330 p	pm pm pm			
	pm	1	edium—coarse SAND w/trace fine gravel, loose, moderate	
- 138 p 248 p	pm o o pm o pm		ing from 8-9.5', light yellowish brown staining on	
	pm o o		ated w/NAPL from 9.5—10.5', sheen on soils, n—like odor, wet	
12-16' 164 p	pm		, medium—coarse SAND w/fine gravel, loose, tar staining aturated with flowable tar, blue sheen, moderate	
27.3'r	pm pm pm			
15 – /3.8 p	pm o o	naphthalene	e-like odor, wet	
	om · · · · · · · · · · · · · · · · · · ·		nedium—coarse SAND, slightly coarser lens at 17', brown	
52.3 r	pm pm pm		ttom 2", loose, heavy black tar—like staining (heaviest r staining on liner, mild naphthalene—like odor, wet	
			stanning on miler, find hapitelielie into odor, wet	
20-24' 0.0 P	20-24, 0.0 ppm Brown, fine-medium		SAND, trace coarse sand, coarse sand lenses at 20.3' and	
20-24' 0.0 p 0.0 p 25 p 3.3 p	om om om		slightly viscous tar banding at 20.3, spotty tar ight naphthalene—like odor, wet	
	· · · · · · · · · · · · · · · · · · ·			
24–28, 5.8 p	om pm o o		-coarse SAND, coarse sand at 25' and from 25.5—26', loose, g at 25', intermittant staining from 24—25', tar	
	pm pm m		rom 25-26', slight naphthalene-like odor, wet	
	pm		, tar saturated (26-26.5'), slight naphthalene-like odor	
			pose, coarser material w/tar banding (28.2', 28.5—29.2'), g at 29.7', intermittant staining, odor as above, wet	
	om o o		Page 1 of 3	

Locat	ion: Bay	Shore/B	rightwaters			Site Id: BBSB-61
Purpo	se: Soil	Boring				Total Depth: 76.00'
Consu	Ilting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in
Depth (ft)	Recovery	Sample Interval	QId	Graphic Log	Material Description	
		70 76'	0.5 ppm 17.7 ppm 0.0 ppm 0.0 ppm	o o		ose, intermittant staining, slight naphthalene—like odor —medium—coarse SAND, loose, wet
- - 35 —		32–36'	0.0 ppm 0.4 ppm 0.0 ppm 0.3 ppm 0.0 ppm 0.0 ppm 1.6 ppm	0 0 0 0	of liner, sli	dium SAND, loose, spotty staining on inside and outside ght naphthalene—like odor, wet
		36–40'	3.2 ppm 3.6 ppm 2.6 ppm 1.6 ppm 1.7 ppm 0.4 ppm	o o o	intermittant	SAND w/some coarse sand, coarse sand from 37-37.5', tar staining w/taffy-like viscosity (36.5-38'), on liner, slight naphthalene-like odor
40		40–44'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Brown-brownish orang	ge, fine—medium SAND w/trace fine gravel, loose, wet
- - 45		44–48'	0.0 ppm 2.1 ppm 0.7 ppm 0.0 ppm 0.0 ppm 0.5 ppm	0 0	Brown, fine-medium	SAND, loose, slight naphthalene—like odor, wet
- - - 50		48–52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	sheen on s Brown, fine-medium	ge, fine—medium SAND, loose, spotty tar staining and It oils from 48—48.25', slight naphthalene—like odor, wet SAND, trace coarse sand and fine gravel, black roughout, loose, wet
- - - 55 –		52–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, fine-medium	SAND, loose, wet
		56–60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	water from	e, fine—medium SAND, loose, light sheen on soils and 58.5—59.5', wet
60 - - -		60–64'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Light brownish orange from 61.5–	e, fine SAND, medium dense, sheen on soils and water 62.5', wet
65		64–68'	0.0 ppm 0.0 ppm	o o o o	Brown, fine SAND, me	edium dense, light sheen on water, wet
		68–70'	0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		ine SAND, medium dense, light tar staining on inside bottom 2", light sheen on soils from 68.5—69.5, wet
						Page 2 of 3

Location: Bay Shore/Brightwaters						Site Id: BBSB-61
Purpo	ose: Soil	Boring				Total Depth: 76.00'
Consulting Firm: Dvirka & Bartilucci						Borehole Dia.: 2.00in
(tt)	2	Sample Interval		Log		
Depth (ft)	Recovery	Sample	DId	Graphic Log		Material Description
-		70–72'	0.0 ppm			to silty CLAY w/sheen, mild naphthalene—like odor, wet SAND w/f gravel, loose, It sheen, odor as above, wet
-		72–74'	0.0 ppm		Dark charcoal gray, (
-		74–76'	0.0 ppm 0.0 ppm 0.0 ppm		Dark charcoal gray, (
75 -			0.0 ˈþþm			ilty SAND, medium dense, tar staining on bottom 1.5" liner, mild naphthalene—like odor, wet
-	-				Base of boring — 76	
-	-					
- 80 -						
-	-					
-	-					
-						
85	-					
-	-					
-	-					
90 -						
-	-					
-	-					
95						
-	-					
-	-					
-						
100	-					
-	-					
-	1					
-	-					
105 —	-					
	1					
-	-					
-	-					
						Page 3 of 3

	Site Id: BBSB-62
Dvirka	Location: Bay Shore/Brightwaters
and Bartilu	
A DIVISION OF WILLIAM F. COSULICH ASS	
	Total Depth: 76.00'
Elevation: 20.31'	Remarks: Samples selected for analysis at 0-2', 12-14',
Datum: Mean Sea Level	40-42', and 74-76'.
Logged By: John Schafer	
Drilling Method: Geoprobe	
Contractor: Zebra Environmental	
Borehole Dia.: 2.00in	
Depth (ft) Recovery Sample Interval PID Graphic Log	
Depth (ft) Recovery Sample Inter PID Graphic Log	Material Description
Dept Reco	
0-4' 10 ppm	Brown-black, silty fine-coarse SAND w/f gravel, loose, possible staining, dry
0-4' 10 ppm [] [] 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Orange brown, fine-coarse SAND w/fine-coarse gravel, loose, dry
	Brown-orange brown, fine-coarse SAND w/fine-coarse gravel, loose, heavy black
4-8' 0.0 ppm 5- 5- 600 ppm 0.0 ppm 0	staining and tar-like odor from 7-7.5', dry
- 8.0 ppm 35 ppm 40 ppm 9	
8-12' 485 ppm	Brown-gray, fine SAND w/some medium-coarse sand, trace fine gravel, loose,
0 - 12 000 ppm 3 3 500 ppm · · · · · 250 ppm · · · · · 100 ppm · · · · ·	gray staining, heavily coated w/NAPL, heavy tar-like odor,
	wet at 10'
12–16' 50 ppm	Black-gray, fine-coarse SAND w/fine gravel, trace coarse gravel, moderate-
12–16' 50 ppm 60 ppm 150 ppm 200 ppm	heavy staining from 13-14', sheen, heavy naphthalene-like odor
15-	
16-20' 37 ppm 0 0	Gray-tan, fine-coarse SAND w/fine-coarse gravel, fine sand at 18.5', loose,
16-20' 37 ppm · · · · · · 15 ppm · · · · · 12 ppm · · · · · 70 ppm · · · · · 160 ppm · · · · ·	intermittant heavy staining at 17.5' and 18.5', sheen, heavy naphthalene—like odor, sheen, wet
20-24 [,] 19 ppm 0.0.0.0	Tan, fine gravelly fine—coarse SAND, loose, sheen, naphthalene—like odor, wet Brown, fine—coarse SAND w/some fine gravel, loose, intermittant light
20-24' 19 ppm 3.3. 60 ppm 0.0.0.1 30 ppm 3.0.0.1 45 ppm 3.0 ppm 3.3. 45 ppm 3.0 ppm 3.3. 45 ppm 3.5. 45 ppm 3.3. 45	staining, sheen, naphthalene-like odor, wet
24-28' 8.0 ppm 9.0 ppm 12 ppm	Tan, fine-coarse SAND w/some fine gravel, loose, heavy staining from 26.25- 26.5', light sheen, naphthalene-like odor, wet
12 ppm 100 ppm	
] Tan, fine—coarse SAND w/some fine gravel, loose, sheen, naphthalene—like
28–32' 22 ppm 20 ppm 15 ppm	odor, wet
15 ppm	Page 1 of 3

Locat	Location: Bay Shore/Brightwaters					Site Id: BBSB-62		
Purpo	se: Soil	Boring				Total Depth: 76.00'		
Consu	ılting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in		
		_						
Depth (ft)	Recovery	Sample Interval	CId	Graphic Log		Material Description		
			55 ppm 55 ppm	· · · · ·		D w/some fine gravel, loose, heavy staining at 30.5',		
		32–36'	12 ppm 10 pppm 6.0 ppm 5.0 ppm 10 ppm 14 ppm 10 ppm	0 0	Tan, fine-coarse SAN	hthalene—like odor, wet D w/trace fine gravel, loose, slight dark brown staining, thalene—like odor, wet		
		36–40'	2.0 ppm 1.5 ppm 6.5 ppm 25 ppm 10 ppm	0 0 0	Orange brown, fine-c	oarse SAND w/some fine gravel, loose, wet		
40		40–44'	3.0 ppm 2.5 ppm 4.0 ppm 10 ppm 7.0 ppm	0 0	Brown, fine—coarse SAND, trace fine gravel, medium dense, wet			
- - 45 —		44–48'	6.0.5 20.5 20.5 20.5 20.5 20.5 20.5 20.5	0 0	Brown, fine-coarse S odor at 47	AND w/trace fine gravel, loose, slight naphthalene—like ', wet		
		48–52'	3.8 ppm 7.8 ppm 10 ppm 15 ppm 20 ppm 23 ppm	0 0		ID w/some coarse sand, trace fine gravel, loose, slight liner, slight naphthalene—like odor at 51', wet		
-		52–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Brown, fine SAND w/	some medium sand, trace coarse sand, loose, wet		
55 — - - -		56–60'	0.0 ppm 0.0 ppm 5.0 ppm 5.0 ppm 5.0 ppm	0 0 0 0	Brown, fine-medium	SAND, micaceous, medium dense, wet		
- 60		60–64'	8.0 ppm 15 ppm 10 ppm 10 ppm	0 0 0 0	Brown, fine SAND, m	edium dense, wet		
-		64–66'	0.0 ppm	· · · ·		ose, sheen, naphthalene—like odor, wet (liner jammed, ced in plastic bag, headspace PID)		
65		66–68'	18 ppm 4.0 ppm 2.0 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, fine SAND w/	some medium sand, micaceous, medium dense, sheen from naphthalene—like odor, wet		
-		68–70'	2.0 ppm 25 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	• • •		icaceous, medium dense, loose, wet		
				· · ·		Page 2 of 3		

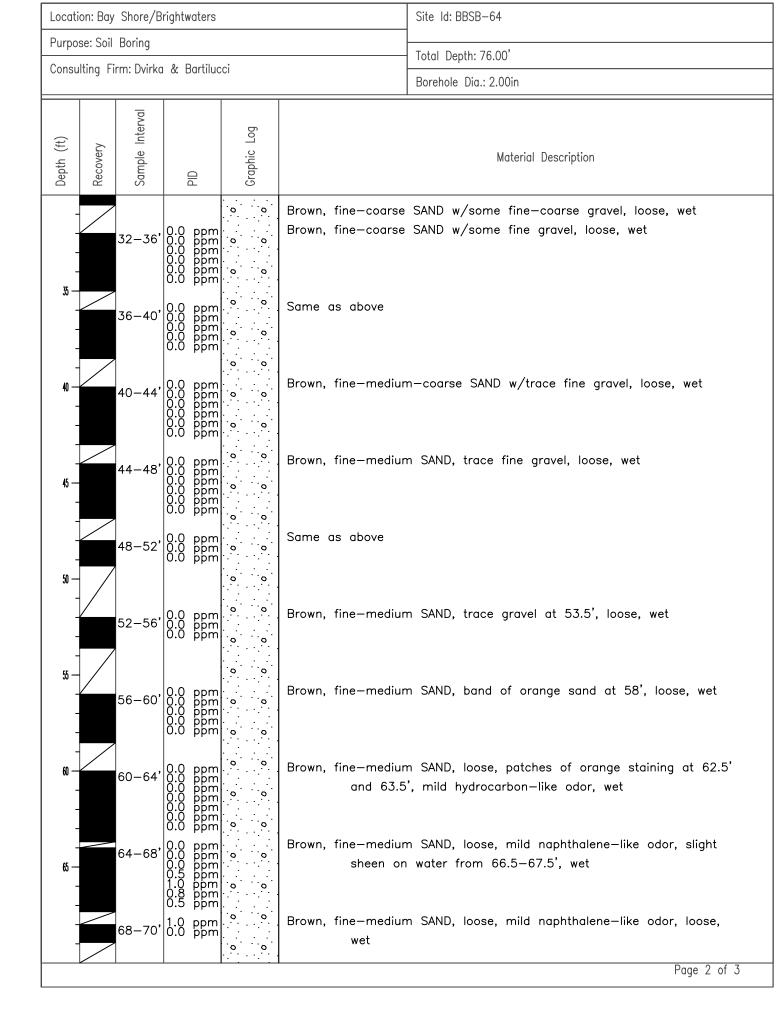
Locat						Site Id: BBSB-62	
Purpo	se: Soil	Boring				Total Depth: 76.00'	
Consu	ılting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in	
Depth (ft)	Recovery	Sample Interval	DIA	Graphic Log		Material Description	
		70–72'	0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Gray, fine SAND, mea		
	-	72–74'	рреже ррреже россоососососососососососососососососос		Dk gray, fine-coarse Dark gray, silty fine micaceous,	SAND w/fine gravel, loose, wet, to brown silty CLAY SAND w/dark brown clay from 72-72.5' and 73.25-74', medium dense, wet micaceous, liquidy, loose	
						Page 3 of 3	

					Site Id: BBSB-63		
			virka		Location: Bay Shore/Brightwaters		
)B	nd artilu	cci	Purpose: Soil Boring		
	ADIVISION	DEWILLIAM F. C	NSULTING E	NGINEERS	Date(s): 01/29/02 - 01/30/02		
					Total Depth: 76.00'		
	tion: 20.52'				Remarks: Samples selected for analysis at 6-8', 8-10',		
	n: Mean Sea Lev				12-14', 34-36', 64-65', and 74-75'.		
	ed By: Ryan, Sch						
	g Method: Geopre actor: Zebra Env						
	nole Dia.: 2.00in	ronnentui					
Doren							
	Recovery Sample Interval		bo-				
Depth (ft)	Recovery Sample 1		Graphic Log		Material Description		
Dep		DID	Gra				
	0-4'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		-	se SAND, to It brown, sandy SILT, wood, some f gravel		
		0.0 ppm 0.0 ppm	<u>.</u>	Orange brown, fine-c	coarse SAND w/some fine-coarse gravel, loose, moist		
	4-8'	0.0 ppm	· · · · · ·	. Orange brown-dark k	prown, fine-coarse SAND w/some fine-coarse gravel, loose,		
5	-	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 106 ppm 207 ppm		staining an	d NAPL coating from 7—7.5', tar—like odor at 7', moist		
		0.0 ppm 106 ppm 207 ppm					
	8-12'	1			AND w/some fine-coarse gravel, loose, heavy black		
-		600 ppm 600 ppm 200 ppm 275 ppm 450 ppm 500 ppm	· · · · · · · · · · · · · · · · · · ·	staining, gr moist-wet	ravel coated with tar, heavy tar—like odor, at 11'		
10 -		500 ppm					
	12-16	200 ppm	0 0 		AND w/some fine and coarse gravel, loose, gravel		
	-	175 ppm 130 ppm	· · · · ·		bated with tar, heavy black staining, gray hue, heavy tar—like odor, wet AND w/some fine—coarse gravel, loose, heavy tar staining, dor, wet		
15			o o				
	16-20	22 ppm 22 ppm 25 ppm 180 ppm 170 ppm		Gray, fine-coarse SA tar-like od			
		180 ppm 170 ppm					
		60	· · · · · · · · · · · · · · · · · · ·	Light organs brown	fine—coarse SAND w/some fine—coarse gravel, loose, heavy		
20	20-24' 50 ppm Light orange brown, 35 ppm staining-sc			iturated w/NAPL at 20.25', light-intermittant tar layers			
			throughout,	tar—like odor, wet			
				Light brown, fine-coo	arse SAND w/some fine gravel, loose, light streaking on		
25	24-28 0.0 ppm 0 0						
·		0.0 ppm 0.0 ppm	o o				
		0.0 ppm	· · · ·	Tan, fine-coarse SAN	ID, medium dense, naphthalene—like odor, wet		
.	28-32	11 ppm 9.0 ppm 12 ppm					
		FE,		1	Page 1 of 3		

Locati	Location: Bay Shore/Brightwaters					Site Id: BBSB-63
Purpo	se: Soil	Boring				Total Depth: 76.00'
Consu	ılting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in
Depth (ft)	Recovery	Sample Interval	QId	Graphic Log		Material Description
		32–36' 36–40' 40–44' 44–48' 48–52'	mm mmmmmmmm mmmmmmmm mmmmmmmm mmmmmmmm mmmmmmm mmmmmmm mmmmmm mmmmmm mmmmmm mmmmmm mmmmmm mmmmmm mmmmmm mmmmmm mmmmmm mmmmm mmmm mmm mmm mmm mmm mmm mmm mmm mmm mmm mmm<		like odor, w Tan, fine-medium SA staining-sa odor, wet Brown, fine-coarse S Same as above Brown, fine-coarse S	D, fine sand from 31.25-31.5', med dense, naphthalene- vet ND w/some coarse sand, trace fine gravel, loose, heavy turated w/tar from 33.5-35.5', heavy naphthalene-like AND w/some fine gravel, loose, wet AND w/some fine-coarse gravel, loose, wet
55		52–54' 54–56' 56–58' 58–60' 60–62' 62–64' 64–66' 66–68' 68–70'	12 ppm 22 pppm 30 ppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 ppm 0.0 pp		naphthalene Brown, fine SAND, me 55.75–56' Brown w/some orang some mica Brown, fine SAND w/s like particle Brown, fine-medium Brown, fine-medium naphthalene Brown, fine-med SAN odor (liner Brown, fine-medium	SAND w/coarse sand from 53.25-53.5', loose, slight e-like odor, wet edium dense, slight naphthalene-like odor w/sheen from e brown, fine SAND w/some med sand, trace coarse sand, flakes, medium dense, wet some medium sand, some mica flakes, black hornblende- es, medium dense, wet SAND, medium dense, wet SAND, medium dense, very It sheen on bottom 2", mild e-like odor, wet ID, med dense, sporadic tar blebs, mild naphthalene-like jammed, sample placed in plastic bag, headspace PID) SAND, medium dense, wet SAND, medium dense, wet
						Page 2 of 3

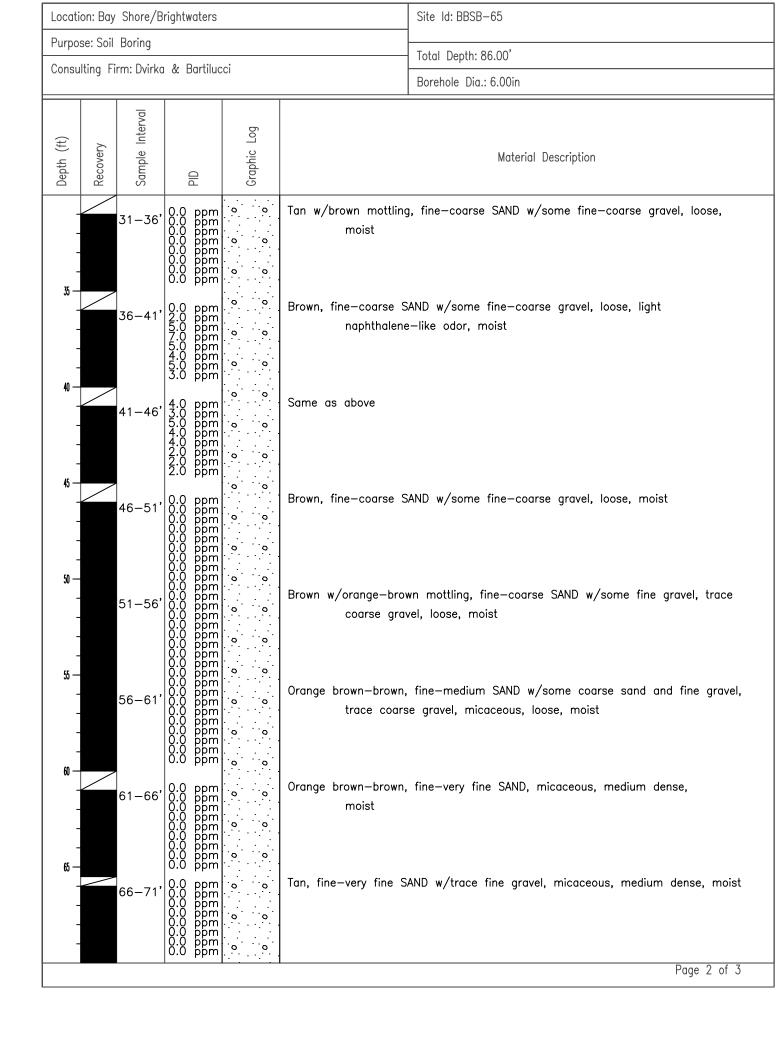
Location: Bay Shore/Brightwaters	Site Id: BBSB-63
Purpose: Soil Boring	Total Depth: 76.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in
Depth (ft) Recovery Sample Interval PID Craphic Log	Material Description
72-74' 0.0 ppm 0.0 ppm 74-76' 0.0 ppm 74-76' 0.0 ppm 0.0 ppm 0	n, fine-med SAND, f gravel and coarse sand lens at 70.75', med dense, wet , CLAY w/trace silt, plastic, sheen, mild organic (H2S-like) odor, wet toal gray, fine SAND w/mica flakes, loose, wet toal gray, clayey fine SAND w/black particles, medium dense, wet of Boring - 76 ft.
90	
95	
	Page 3 of 3

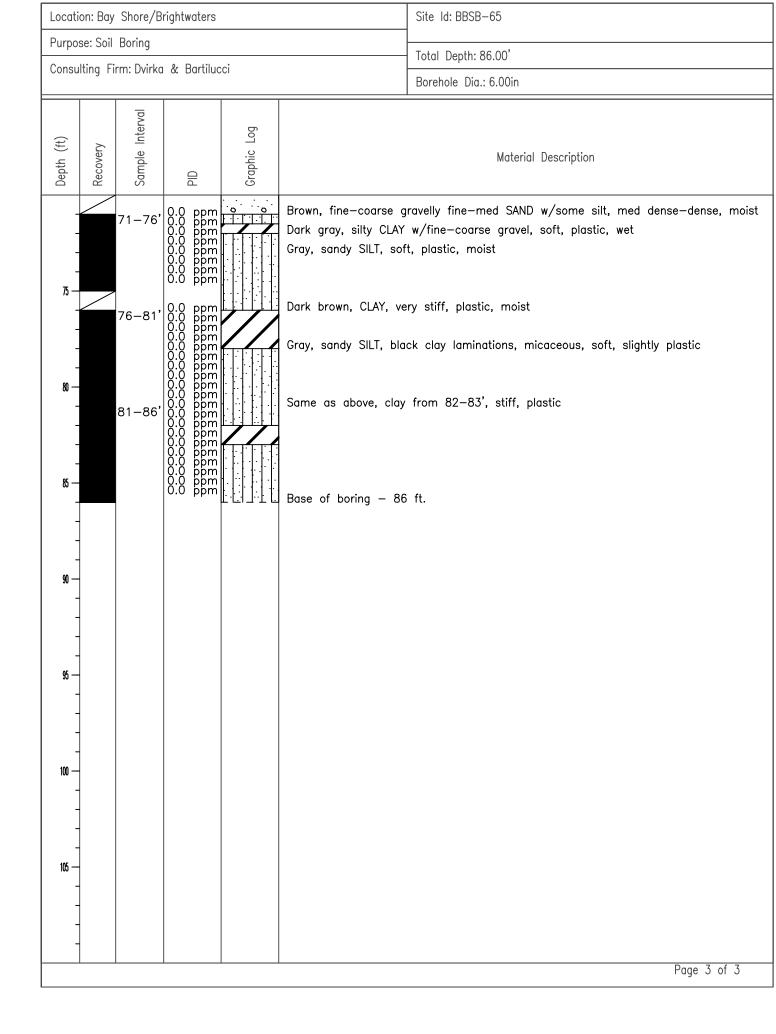
Divirka and and Diviska problem Abuviska permitting Engineers Location: Bay Shore/Brightwaters Location: Bay Shore/Brightwaters Purpose: Soil Boring Date(s): 02/06/02 - 02/07/02 Total Depth: 76.00' Elevation: 19.73' Datum: Mean Sea Level Logged By: John Schafer Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Soil Dia: 2.00in Image: Soil Dia: 2.00in Image: Soil Dia: 2.00in Image: Soil Dia: 2.00in Image: Dia:			Site Id: BBSB-64		
Purpose: Soil Boring Date(s): 02/06/02 - 02/07/02 Elevation: 19.73' Datum: Mean Sea Level Logged By: John Schafer Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Soil Description Image: Soil Boring Date(s): 02/06/02 - 02/07/02 Total Depth: 76.00' Remarks: Samples selected for analysis at 5-7', 9-11', 16-18', 44-46', and 74-74.5'. Image: Soil Boring Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Soil Boring Image: Soil Bor			Location: Bay Shore/Brightwaters		
ADIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C. Date(s): 02/06/02 - 02/07/02 Elevation: 19.73' Total Depth: 76.00' Datum: Mean Sea Level Remarks: Samples selected for analysis at 5-7', 9-11', 16-18', 44-46', and 74-74.5'. Lagged By: John Schafer Division of William F. Cosulic Hassociates, P.C. Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Total Description Image: Diagonal of the second se	Bartil	ucci			
Elevation: 19.73' Remarks: Samples selected for analysis at 5–7', 9–11', 16–18', 44–46', and 74–74.5'. Datum: Mean Sea Level Image: Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Contractor: Zebra Environmental Borehole			Date(s): 02/06/02 - 02/07/02		
Datum: Mean Sea Level Remarks: Samples selected for analysis at 5–7', 9–11', 16–18', 44–46', and 74–74.5'. Logged By: John Schafer Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia:: 2.00in Image: Description Image: Description Imag			Total Depth: 76.00'		
Logged By: John Schafer Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia.: 2.00in Image: Dial of the state of the s			Remarks: Samples selected for analysis at 5-7', 9-11',		
Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia.: 2.00in (1) (1) (2) (1) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2) (3) (2) (4) (2) (2)			16—18', 44—46', and 74—74.5'.		
Contractor: Zebra Environmental Borehole Dia.: 2.00in Material Description (1) 100 ppm 100 ppm (1) 100 ppm 100 ppm (2) 0.0 ppm 100 ppm (3) 0.0 ppm 100 ppm (4) 0.0 ppm 100 ppm (1) 0.0 ppm 100 ppm (2) 0.0 ppm 0.0 ppm (3) 0.0 ppm 0.0 ppm (4) 0.0 ppm 0.0 ppm (3) 0.0 ppm 0.0 ppm (4) 0.0 ppm 0.0 ppm (3) 0.0 ppm 0.0 ppm (4) 0.0 ppm 0.0 ppm (3) 0.0 ppm 0.0 ppm (4) 0.0 ppm 0.0 ppm (1) 0.0 ppm 0.0 ppm (2) 0.0 ppm 0.0 ppm (4) 0.0 ppm 0.0 ppm <			-		
Borehole Dia.: 2.00in Image: Construct of the state of th			-		
(t) (-		
0-4' 0.0 ppm 0.0 ppm 0					
0-4' 0.0 ppm 0.0 ppm 0	og og				
0-4' 0.0 ppm 0.0 ppm 0	hic L		Material Description		
A-8, 0.0 ppm 4-8, 0.0 ppm 0.0 ppm					
4-8, 0.0 ppm 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0-4' 0.0 ppm 0.0 ppm	Black, SILT matrix w/some fine gravel, soft, non-plastic			
4-8, 0.0 ppm Orange-brown, fine-coarse SAND w/some fine-coarse gravel, loose, moist	- 0.0 ppm 1 1 1 0.0 ppm 1 1 0.0 ppm				
4-8 0.0 ppm 5- 0.0 ppm 0.0 ppm 18 ppm 18 ppm		•			
	4-8 0.0 ppm 5- 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	hydrocar	bon-like odor from 5.5-7', wet at 5.5'		
	- 18 ppm 20 ppm				
		* .	hydrocarbon—like odor, moist		
45 ppm i i i i nydrocarbon – like odor, moist	45 ppm (* * * * * * * * * * * * * * * * * * *	•			
10-10-10 10 ppm 10 10 10 10 10 10 10 10 10 10 10 10 10			Tan-brown, fine-coarse SAND w/fine-coarse gravel from 8.5-11', layer of fine aravel w/some coarse aravel at 10.5', hydrocarbon-		
12-16' 4.0 ppm 32.0 like odor, wet at 10'	12–16' 20 ppm	like odor			
Gray, fine-coarse SAND w/fine gravel, trace coarse gravel, loose, wet		Gray, fine—coarse SAND w/fine gravel, trace coarse gravel, loose, wet			
0.0 ppm 6 Brown, fine-coarse SAND w/fine-coarse gravel, loose, wet	16-20' 0.0 ppm	Brown, fine-coarse SAND w/fine-coarse gravel, loose, wet			
	0.0 ppm	• . • •			
20-24', 0.0 ppm	20-24 [Q.Q ppm]	Same as above	. Same as above		
- 0.0 ppm · · · · · · 0.0 ppm · · · · · · . 0.0 ppm · · · · · ·	0.0 ppm 0.0 ppm 	· .			
24-28, 0.0 ppm 24-28 Brown, fine-coarse SAND w/some fine-coarse gravel, loose, wet	24–28' 0.0 ppm	Brown, fine-coarse	e SAND w/some fine-coarse gravel, loose, wet		
0.0 ppm · · · · · − 0.0 ppm · · · · · 0.0 ppm · · · · ·		·			
$\begin{bmatrix} 28 - 32 & 0.0 & \text{pbm} \\ 0.0 & \text{ppm} & 0.0 \end{bmatrix}$	28–32' 0.0 ppm 0.0 ppm 0.0 ppm				
0.0 ppm		:	Page 1 of 3		



Location: Bay Shore/Brightwaters	Site Id: BBSB-64
Purpose: Soil Boring	Total Depth: 76.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description
70-72' 0.0 ppm 0.0 ppm 72-74' 0.0 ppm 0.0 ppm 74-76' 0.0 ppm 0.0 0 ppm 80 0.0 ppm 0.0 0 ppm 80 0.0 ppm 0.0 0 ppm 90 0.0 ppm 0.0 0 ppm 90 0.0 ppm 0.0 ppm 91 0.0 ppm 0.0 ppm	 Br, fine-med SAND, slightly dense, slight hydrocarbon-like odor, wet Brown, fine-medium SAND, loose, wet Dark gray, CLAY, elastic, to medium-coarse SAND and subrounded GRAVEL Base of boring - 76 ft.
	Page 3 of 3

	Site Id: BBSB-65	
Dvirka	Location: Bay Shore/Brightwaters	
and Bartilu	CCI Purpose: Soil Boring	
A DIVISION OF WILLIAM F. COSULICH ASS	ENGINEERS	
	Total Depth: 86.00'	
Elevation: 25.12'	Remarks: Samples selected for analysis at 9-11', 11-13',	
Datum: Mean Sea Level	21-23', and 71-72'.	
Logged By: John Schafer		
Drilling Method: Rotosonic Contractor: Prosonic		
Borehole Dia.: 6.00in		
Depth (ft) Recovery Sample Interval PID Graphic Log		
Depth (ft) Recovery Sample Inter PID Graphic Log	Material Description	
0-6' 0.0 ppm 0.0 ppm 0.0 ppm	Dark brown, FILL, silt matrix w/fine-coarse gravel, moist-wet	
0.0_ppm 0.0_ppm	Brown, clayey FILL, glass fragments, stiff, plastic	
– 0.0 ppm 0.0 ppm – 0.0 ppm		
	Orange-brown, fine-coarse SAND w/fine-coarse gravel, loose, dry	
6-11' 0.0 ppm 5 5 0.0 ppm 5 5 0 0 ppm 5 5	Same as above	
0.0 ppm - 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/fine-coarse gravel, loose, brown staining,	
- 12 ppm 20 ppm	undetermined odor, wet	
	Gray—dark gray, fine—coarse SAND w/fine—coarse gravel, loose, petroleum—like odor, wet	
190 ppm 50 ppm 35 ppm 50 ppm		
16-21, 0.0 ppm	Dark gray-black, coarse SAND w/some fine-coarse gravel, loose, wet	
16−21, 0.0 ppm · · · · · · 0.0 ppm · · · · ·		
	Tan fine-coarse SAND w/some fine-coarse aravel loose moist	
21–26' 0.0 ppm 21–26'	Tan, fine—coarse SAND w/some fine—coarse gravel, loose, moist	
21-26' 0.0 ppm 21-26' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		
0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		
	Brown, fine-coarse SAND w/trace fine gravel, some coarse gravel, loose,	
- 0.0 ppm 0.0 ppm	moist	
0.0 ppm	1	



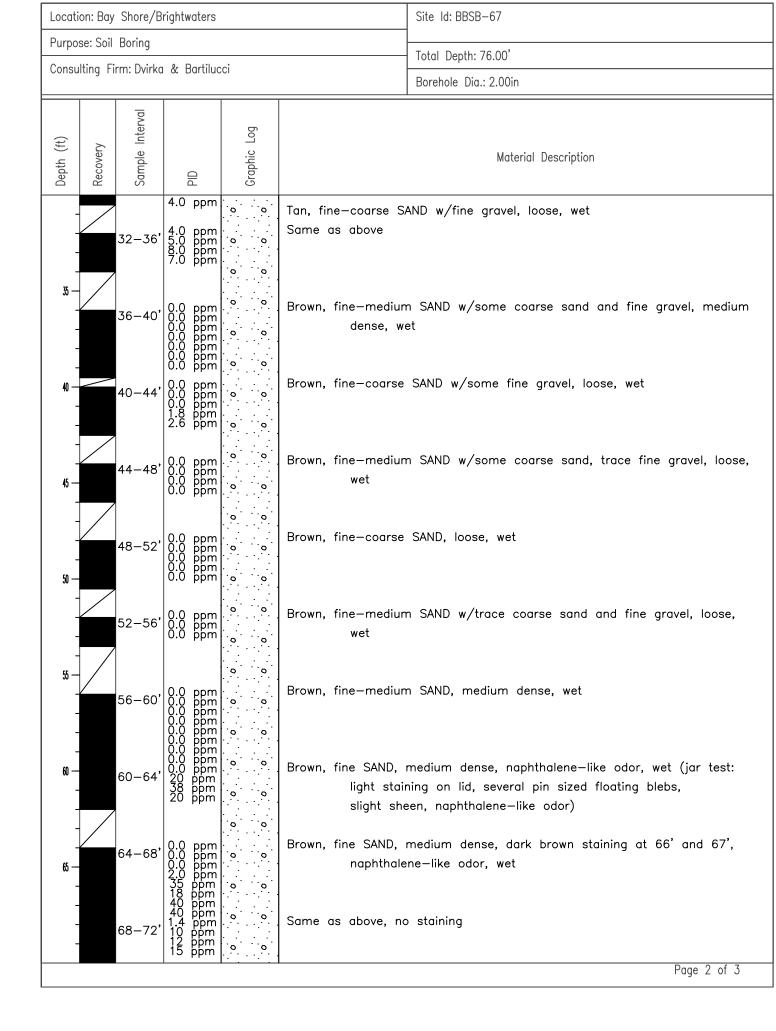


Dvirka and Bartilucci			Site Id: BBSB-66	
			Location: Bay Shore/Brightwaters	
		icci	Purpose: Soil Boring	
A DIVISION OF V	CONSULTING WILLIAM F. COSULICH ASS		Date(s): 01/23/02 - 01/25/02	
			Total Depth: 83.00'	
Elevation: 23.89'			Remarks: Samples selected for analysis at 9-11', 12-14',	
Datum: Mean Sea Level	_		24-26', 36-37', 53-54', 64-66', and 79-81'.	
Logged By: B. Ryan, T. Fox			-	
	Drilling Method: Geoprobe		-	
Contractor: Zebra Enviror	nmental			
Borehole Dia.: 2.00in				
Depth (ft) Recovery Sample Interval	þ			
Depth (ft) Recovery Sample In	olD Graphic Log		Material Description	
Depth (ft Recovery Sample II	Grapt			
0-4'	0.0 ppm 0.0 ppm	Brownish orange, silty TOPSOIL w/fine-coarse gravel, loose, moist		
_	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Light orange brown, sandy CLAY, plastic, moist		
		Brownish orange, silty SAND, loose, moist Light orange brown, sandy CLAY, plastic, moist		
4-8'	0.0 ppm	Brown, fine-medium-coarse SAND w/fine gravel, coarser sand lens at 6.5',		
-	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	loose, moist		
	0.0 ppm	Same as above, dry, no coarse sand lens		
8-12'	0.0 ppm 0.0 ppm 235 ppm 055 ppm	Brown, fine-medium-coarse SAND, loose, saturated with NAPL, black banding		
10	0.0 ppm 0.0 0 0.0 ppm 0.0 0 235 ppm 0.0 0 055 ppm 0.0 0 712 ppm 0.0 0 73 ppm 0.0 0	and staining, strong hydrocarbon—like odor, dry (wet at 9.5')		
	00+ ppm	Brown, fine—medium—coarse SAND w/fine gravel, loose, saturated with tar,		
	000+ ppm 000+ ppm 000+ ppm	strong naphthalene/hydrocarbon-like odor, wet		
15-	149 ppm	Tannish gray, fine-medium-coarse SAND w/trace fine gravel, loose, light		
16-20'	149 ppm 260 ppm • • • 23.2 ppm 13.5 ppm	staining from 16-17', spotty tar staining on macro-core liner,		
		hydrocarb	on-like odor, wet	
	22.6 ppm	Brown, fine-medium	n-coarse SAND w/fine gravel, coarse sand lens at 22.5',	
20-24'	22.6 ppm 4.3 ppm 6.2 ppm 4.3 ppm • • •	loose, moderate tar staining at 20.25', saturated with tar in		
-	264 ppm 183 ppm	bottom 8	", strong naphthalene—like odor, wet	
	45.3 ppm · · · · · ·	Brown, fine-medium	n-coarse SAND w/fine gravel, coarse sand and gravel lens	
24-28'	45.3 ppm 90.7 ppm 104 ppm 26.6 ppm 33.8 ppm 0 0	4	ose, saturated with tar from 24.2-25.3', light	
	33.8 ppm `o````o · · · · · ·	staining t odor, wet	hrough remainder of core, moderate naphthalene—like	
	111 ppm		SAND, loose, tar staining at 28.3', 29', 29.5', and	
28-32' 111 ppm 130 ppm 158 ppm 217 ppm		sheen on soil, naphthalene-like odor, wet		
	<u> </u>	1	Page 1 of 3	

Locat	Location: Bay Shore/Brightwaters					Site Id: BBSB-66
Purpo	se: Soil	Boring				Total Depth: 83.00'
Consu	ulting Fi	rm: Dvirka	& Bartiluo	ci		Borehole Dia.: 2.00in
Depth (ft)	Recovery	Sample Interval	DID	Graphic Log		Material Description
		32–36'	148 ppm 25.2 ppm 152 ppm 117 ppm 117 ppm 111 ppm 146 ppm 139 ppm 133 ppm	0 0 0 0	naphthaler Brown, fine-medium lens at 33	SAND, loose, tar staining at 31', It sheen on soil, ne—like odor, wet —coarse SAND w/fine gravel, coarse sand and fine gravel 3.5', loose, moderate—heavy tar staining, light sheen
35 -		36–40'	133 ppm 208 ppm 232 ppm	· o · o	Brown, fine-medium	trong naphthalene—like odor, wet —coarse SAND, loose, saturated with tar — flowable, ne—like odor, wet
40 		40–44'	36.9 ppm 24.1 ppm 27.9 ppm 43.9 ppm	0 0 0		SAND, loose, light tar staining, heavier banding at 2', moderate naphthalene—like odor, wet
45 - -		44–48'	168 ppm 210 ppm 180 ppm	0 0		rse SAND, trace silt, loose, heavy tar staining from sheen, moderate naphthalene—like odor, wet
50 -		48–52'	60 ppm 190 ppm 230 ppm 180 ppm 170 ppm 120 ppm	0 0 0	saturated	fine—medium SAND, trace silt and gravel, loose, tar bands 3" wide from 49—51', sheen, moderate ne—like odor, wet
55 –		52–56'	24 ppm 120 ppm 250 ppm 60 ppm	0 0 0	black tar	fine—medium SAND, trace silt, well sorted, loose, saturated band from 53—53.5', sheen, strong ne—like odor, wet
- U. - -		56–60'	22 ppm 40 ppm 18 ppm	0 0	-	edium SAND, trace silt, well sorted, loose, sheen, naphthalene—like odor, wet
60 -		60–64'	25 ppm 68 ppm 210 ppm	0 0 0 0	-	e—medium SAND, trace silt, loose, sheen, moderate ne—like odor, wet
65 -		64–68'	110 ppm 50 ppm 40 ppm 28 ppm	0 0 0	Same as above, bro	own, well sorted
		68–72'	20 ppm 30 ppm 35 ppm 28 ppm	0 0 0 0		ne—fine SAND, trace silt, magnetite particles, well mpact, slight sheen and naphthalene—like odor, wet
						Page 2 of 3

Purpose: Soil Boring Total Depth: 83.00' Consulting Firm: Dvirka & Bartilucci Total Depth: 83.00' Image: Boring Firm: Dvirka & Bartilucci Borehole Dia.: 2.00in Image: Boring Firm: Dvirka & Bartilucci Material Desc Image: Boring Firm: Dvirka & Bartilucci Material Desc Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Material Desc Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci Image: Boring Firm: Dvirka & Bartilucci I	
Consulting Firm: Dvirka & Bartilucci Borehole Dia.: 2.00in (±) (±) (±) (
(i) I I I I I (i) (i) (i) (i) (i) (i) (i) (i) (i) (i)	
75-77 30.5 ppm 10.25 ppm 10.25 ppm 10.27 ppm 10.27 ppm 10.25	d, compact, tar saturated g naphthalene—like odor, wet c, wet pact, wet /plastic, slight e odor, wet
	Page 3 of 3

	Site Id: BBSB-67		
Dvirka	Location: Bay Shore/Brightwaters		
Bartilu	CCI Purpose: Soil Boring		
A DIVISION OF WILLIAM F. COSULICH ASS			
	Total Depth: 76.00'		
Elevation: 23.90'	Remarks: Samples selected for analysis at 12-14', 28-30',		
Datum: Mean Sea Level	66-68', and 72-74'.		
Logged By: J. Schafer			
Drilling Method: Geoprobe Contractor: Zebra Environmental			
Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log			
Depth (ft) Recovery Sample Inter PID Graphic Log	Material Description		
0-4' 0.0 ppm 0.0 ppm 0.0 ppm	Brown, sandy silty FILL, some f-c gravel, bk silt and coal, dense, moist		
0.0 ppm	Brown, clayey silty FILL, some fine gravel, soft, plastic, moist		
, 0.0 ppm	Same as above, black silt and coal at 4.5'		
4-8' 0.0 ppm 5- 0.0 ppm 0.0	Orange brown—tan, fine—coarse SAND w/fine—coarse gravel, loose, moist		
0.0 ppm			
8-12' 6.5 ppm	Orange brown-brown, fine-coarse SAND w/some fine-coarse gravel, loose,		
8-12' 6.5 ppm	brown staining from 9.5-11', black staining from 10.5-11',		
	heavy naphthalene—like odor, moist (wet at 10')		
12–16, 400 ppm	Brown, fine-coarse SAND w/some fine gravel, loose, heavy brown staining,		
490 ppm · · · · · · · · · · · · · · · · · ·	sheen, heavy naphthalene—like odor, wet Tan—gray, fine—coarse SAND w/fine gravel, slightly finer sand at 14',		
160 ppm	loose, heavy naphthalene-like odor, wet		
16-20', 31 ppm	Gray-tan, SAND w/some fine-coarse gravel, loose, gravel is NAPL coated		
32 ppm · · · · · · · · · · · · · · · · · ·	from 16-16.5', light hydrocarbon-like odor, wet		
20-24 [,] 15 ppm 0.0.0.0	Br, gravelly fine-coarse SAND, loose, slight hydrocarbon-like odor, wet Brown, fine-coarse SAND w/fine gravel, loose, slight hydrocarbon-like		
20-24' 15 ppm 0.0.0.1 14 ppm 0.0.0.1 13 ppm 0.0.0.1 13 ppm 0.0.0.1 13 ppm 0.0.0.1 14 ppm 0.0.0.1 15 ppm	odor, wet		
24–28' 14 ppm	Tan, fine-coarse SAND w/fine gravel, trace coarse gravel, loose, bottom of liner was heavily stained but sample fell out, slight		
	naphthalene-like odor, wet		
] Tan, fine-coarse SAND w/fine gravel, loose, wet		
28-32' <mark>4.0 ppm</mark>			
3.0 ppm			



Locat	Location: Bay Shore/Brightwaters					Site Id: BBSB-67
Purpo	ose: Soil	Boring				Total Depth: 76.00'
Cons	ulting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in
-						
Depth (ft)	Recovery	Sample Interval	DId	Graphic Log		Material Description
			20.000	· · · · ·	Gray, fine SAND w/ sandy SIL	medium dense, slight naphthalene-like odor, wet 'some medium-coarse sand, trace fine gravel, to gray, .T w/fine-coarse gravel, gravel heavily coated with 74', naphthalene-like odor 76 ft.
105 -						
	1					Page 3 of 3

		Site Id: BBSB-68		
Dvirka and		Location: Bay Shore/Brightwaters		
Bartilu	ссі	Purpose: Soil Boring		
A DIVISION OF WILLIAM F. COSULICH ASSO	NGINEERS DCIATES, P.C.	Date(s): 01/18/02 - 01/18/02		
		Total Depth: 26.00'		
Elevation: 24.88'		Remarks: Samples selected for analysis at 8-10', 12-14',		
Datum: Mean Sea Level		and 24-26'. Boring located on a concrete pad approximately		
Logged By: William J. Ryan Drilling Method: Geoprobe		3' higher than the surrounding area.		
Contractor: Zebra Environmental				
Borehole Dia.: 2.00in				
Log				
Depth (ft) Recovery Sample Interval PID Graphic Log		Material Description		
0-4' 0.0 ppm 0.0 ppm 0.0 ppm	-	lack, medium-coarse sandy FILL w/fine gravel, concrete		
		om 1.5—1.7', vesicular slag fragments and black from 1.5—2.25', loose, dry		
4-8' 0.0 ppm	-	, medium—coarse SAND w/fine gravel, loose, dry		
4-8' 0.0 ppm 5- 4-8' 0.0 ppm 0.0 ppm				
8-12' 0.0 ppm	Brown, medium-co	arse SAND w/fine gravel, loose, dry (wet at 10')		
- 0.0 ppm				
12–16' 153 ppm		AND w/coarse sand lenses at 12.7' and 13', moderate		
- 0.0 ppm		iining from 12—12.3', minor black staining from 4.6', strong hydrocarbon—like odor at top of sample		
15-				
16-20'	No recovery, sampl	e washed out		
		a contract from 20, 21'		
20-24', 0.0 ppm 20-24', 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	loose, we	n—coarse SAND w/fine gravel, coarsest from 20—21', et		
0.0 ppm . ° °. 0.0 ppm . ° °.	1			
	 Brown, fine-mediur	n-coarse SAND, loose, wet		
24–26' 0.0 ppm · · · · · · · · · · · · · · · · · ·		·····, ····, ·····, ·····		
	Base of boring —	26 ft.		
	I	Page 1 of 1		

	Site Id: BBSB-69		
Dvirka and	Location: Bay Shore/Brightwaters		
Bartilu			
A DIVISION OF WILLIAM F. COSULICH ASSO			
	Total Depth: 26.00'		
Elevation: 22.52'	Remarks: Samples selected for ar	nalysis at 6—8', 10—12',	
Datum: Mean Sea Level Logged By: William J. Ryan	and 24-26'.		
Drilling Method: Geoprobe			
Contractor: Zebra Environmental			
Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log			
Depth (ft) Recovery Sample Inter PID Graphic Log	Material Description		
- 0-4' 0.0 ppm 0.0 ppm 0.0 ppm - 0.0 ppm	Black-dk brown, sandy clayey FILL, concrete (05		
0.0 ppm / / / / /	vesicular slag, loose, plastic, black stainii Light brownish orange, sandy CLAY, plastic, moist	ng—streaking, dry—moist	
4-8' 0.0 ppm	Brown, medium SAND w/fine gravel, loose, dry		
4-8' 5- 4-8' 0.0 ppm 0.0 p			
0.0 ppm			
8-12' 0.0 ppm • •	-	ge—brown, fine—medium—coarse SAND w/fine gravel, loose, < banding at 8.5', heavy black staining—saturated with n 8.9—9.5', lighter staining at 10.25' and from 10.75—	
8-12' 0.0 ppm · · · · · · 830 ppm · · · · · 1797 ppm · · · · · 797 ppm · · · · · 10-			
	11.25', very strong hydrocarbon-like odo	r, dry (wet at 8.75')	
12–16' 0.0 ppm	Brown, fine-medium-coarse SAND w/fine gravel, sl 13.5', loose, wet	ightly coarser from 12.5-	
12-16' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	13.5, 100se, wet		
15-			
16-20' 0.0 ppm	Brown, fine-medium SAND, coarse sand-fine grave	l lens at 16.5°, loose, wet	
	Brown, fine-medium-coarse SAND w/trace fine gro	wal laasa wat	
20-24' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, nine-medium-course SAND wy trace nine gro	vei, 100se, wet	
	Brown, fine-medium-coarse SAND, loose, wet		
24-26' 0.0 ppm 0.0 ppm 0.0 0.0 ppm 0.0 0.0 0.0 ppm 0.0 0.0 0.0 ppm 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			
	Base of boring — 26 ft.		
		Page 1 of 1	

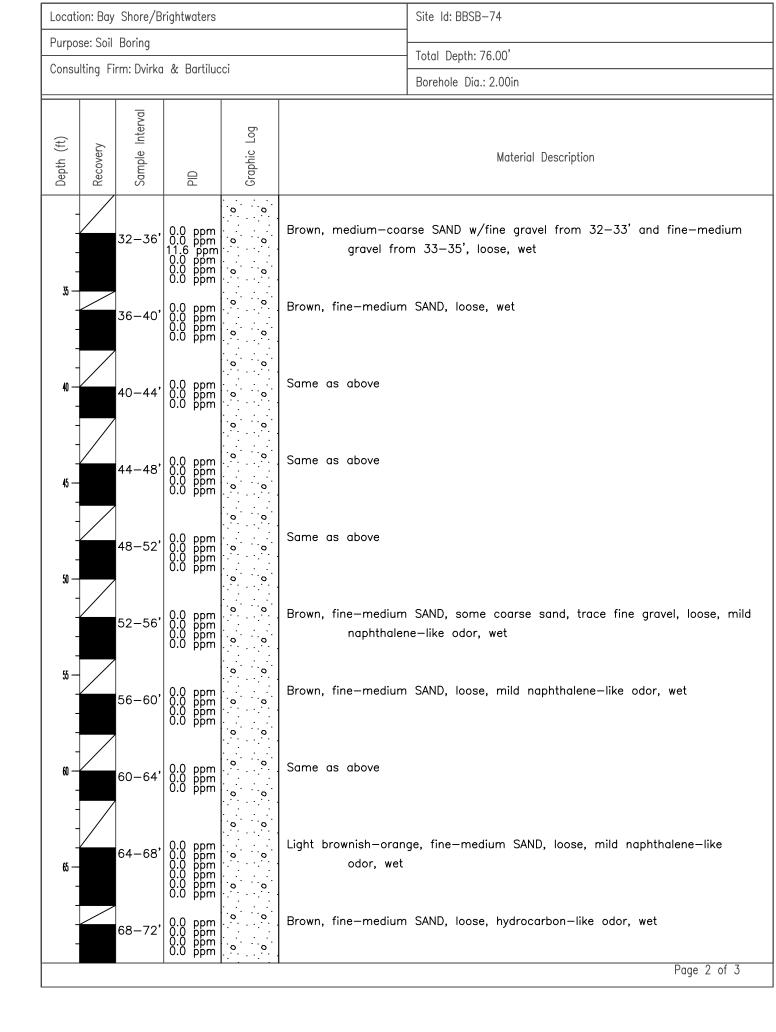
		Site Id: BBSB-70	
Dvirka		Location: Bay Shore/Brightwaters	
Bartilu	ссі	Purpose: Soil Boring	
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 01/17/02 - 01/17/02	
		Total Depth: 30.00'	
Elevation: 21.48'		Remarks: Samples selected for analysis at 8-10', 16-18',	
Datum: Mean Sea Level		22-24', and 27-29'.	
Logged By: Tom Fox			
Drilling Method: Geoprobe Contractor: Zebra Environmental		-	
Borehole Dia.: 2.00in		-	
Depth (ft) Recovery Sample Interval PID Graphic Log			
Depth (ft) Recovery Sample Inte		Material Description	
0-4' 0.0 ppm 0.0 ppm 0.0 ppm		silty sandy FILL, loose	
	Brown, silty sandy o	gravelly FILL, concrete chunks, loose	
4-8' 0.0 ppm	Light brown, fine-m	nedium SAND, trace silt, little—no gravel, loose, gray and hydrocarbon—like odor at 6.5', moist	
4-8' 0.0 ppm 5- 3- 24 ppm 2- 24 ppm 2- 24 ppm 2- 3- 24 ppm 2- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3-	staining a		
8-12' 41 ppm		e SAND w/gravel, trace silt, loose, gray staining, moderate	
500 ppm - · · ·		on—like odor, wet -very coarse SAND w/medium sand, trace gravel, loose,	
10 − 400 ppm 1 °o 1 °o 350 ppm 1 °o 1 °o 320 ppm 1 ° 1 ° 1 °o		k staining, moderate hydrocarbon—like odor, wet	
12–16' 90 ppm		medium—coarse SAND, coarse from 12—12.5', trace gravel	
12–16' 90 ppm 120 ppm 80 ppm 100 ppm	and silt,	loose, slight hydrocarbon—like odor, wet	
15-			
16-20' 0.0 ppm · · · · · · 0.7 ppm · • · • · 0.0 ppm · · · · · · 0.0 ppm · · · · ·	Light brown, coarse	-very coarse SAND w/gravel, trace silt, loose, wet	
- 0.0 ppm · · · · · · · · · · · · · · · · · ·			
20-24, 0.0 ppm	-	coarse-very coarse SAND, very coarse from 20-21', ace silt, loose, very faint hydrocarbon-like	
- 13.0 ppm · · · · · 8.0 ppm · · · · · 7.0 ppm · · · · · 8.0 ppm · · · · ·	odor, wet		
8.0 ppm			
24-26', 8.4 ppm · · · · · · 11.5 ppm · · · · · 16.0 ppm · · · · ·		oarse SAND, gravel, trace silt, loose, wet (PID suspect, may be reaction to soil moisture)	
18.5 ppm - 26-30' 1.0 ppm · · · · ·	Light brown, coarse	-v coarse SAND, little gravel, trace silt, loose, wet	
11.0 'ppm 15.0 ppm	-	n—coarse SAND, little gravel, trace silt, loose, wet ings from 26—30' suspect as noted above)	
18.0 ppm	Base of boring - 3		
	1	Page 1 of 1	

					Site Id: BBSB-71	
			virka nd		Location: Bay Shore/Brightwaters	
		(́ ́ ́ ́ ́) B	artilu	cci	Purpose: Soil Boring	
	ADIVISION	OF WILLIAM F. C	ONSULTING EI	NGINEERS CIATES, P.C.	Date(s): 01/17/02 - 01/17/02	
-					Total Depth: 26.00'	
	tion: 21.28'				Remarks: Samples selected for analysis at 5-7', 9-11', and	
	m: Mean Sea Lev				16–18'.	
	ed By: B. Ryan,					
	ng Method: Geopr ractor: Zebra Env					
	nole Dia.: 2.00in	Ironmentui				
Dorei						
(f)	Recovery Sample Interval		Log			
Depth (ft)	Recovery Sample		Graphic Log		Material Description	
De	v 20 20 20 20 20 20 20 20 20 20 20 20 20		Cre			
	-	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	7.7.7.7.7		inge, FILL, topsoil, slag fragments, loose, moist	
		0.0 ppm 0.0 ppm		Brown, clayey SANL) w/fine gravel, slightly plastic, moist	
	4-8'	0.0 ppm 0.0 ppm		Same as above	medium econo CAND w/fine enough lease wet	
5 -		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 256 ppm	·/·/·/·/·/·/	-	-medium-coarse SAND w/fine gravel, loose, wet n-coarse SAND w/fine gravel, dark black staining in	
			· · · · · · · · · · · · · · · · · · ·		", strong hydrocarbon—like odor, wet at 6.2'	
	8-12'	238 ppm 1275 ppm 2000+ ppm 2000+ ppm	· · ·		n-coarse SAND w/fine gravel, loose, black staining 9' and at 10.5', strong hydrocarbon-like odor, wet	
10 -	-	2000+ ppm 928 ppm 49.3 ppm	· · · · · · · · · · · · · · · · · · ·		,,,,,,,,,,,,	
			· · · ·	light brownish orar	nge, fine-medium-coarse SAND, coarse sand lenses	at
	12-16	, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		, , , , , , , , , , , , , , , , , , ,	nd 13.5', trace fine gravel, loose, wet	u.
	-					
15 -		, 0.0 ppm		Brown/yellow/orang	e, very coarse SAND w/gravel, minor/little fine sand	١,
	16-20	, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		little/no	silt, loose, wet	
	-	0.0 ppm	· · · · · ·			
20 -	20-24	, 0.0 ppm	· • · • ·	Light brown, mediu	m—coarse SAND, little/no gravel, loose, wet	
	-	, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Coarse-very coarse	e SAND and GRAVEL, loose, wet	
	24-26	, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	<u>0.0.0</u>	Light brown/yellow, wet	medium-coarse SAND, little gravel, trace silt, loose,	,
25 -	-	0.0 ppm		Base of boring -	26 ft.	
	-					
					Page 1 of	1

		Site Id: BBSB-72
Dvirka and		Location: Bay Shore/Brightwaters
Bartilu		Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 01/18/02 - 01/18/02
Eleveliere 01.07'		Total Depth: 26.00'
Elevation: 21.27' Datum: Mean Sea Level		Remarks: Samples selected for analysis at 4-6', 8-10',
Logged By: William J. Ryan		and 24-25.5'.
Drilling Method: Geoprobe		
Contractor: Zebra Environmental		-
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Graphic Log		Material Description
0-4' 0.0 ppm 0.0 ppm	discolorat Orange brown, clay Orange brown, sand Lt orange-brown, r in bottom (wet at 5 Light orange-brown hydrocarb Tan-It br-orange, loose, str Brown, fine-medium lenses at Brown, fine-medium 22.5', loc	h, sandy CLAY, plastic, black staining at 8.3', mild bon-like odor, moist fine-coarse SAND w/f gravel, coarsest sand (11-11.5'), rong-mod hydrocarbon-like odor (8.5-10'), wet n-coarse SAND w/trace fine-coarse gravel, coarser 13' and 14.2', loose, wet n SAND w/trace fine gravel, coarse sand and fine gravel 6', loose, wet n-coarse SAND w/fine gravel, coarser lenses at 21' and bse, wet n-coarse SAND, coarser from 25.3-25.75', loose, wet 26 ft.
		Page 1 of 1

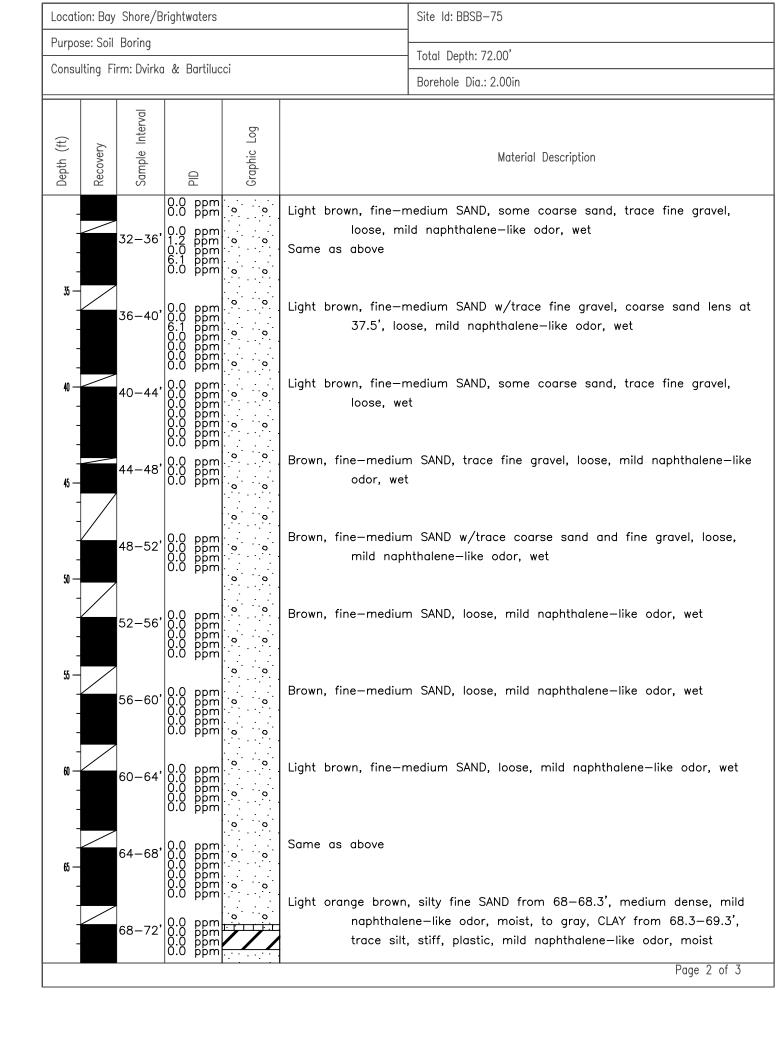
	Site Id: BBSB-73
Dvirka	Location: Bay Shore/Brightwaters
	Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSOCIA	
FL 1: 00.07	Total Depth: 26.00'
Elevation: 22.23'	Remarks: Samples selected for analysis at 4-6', 10-12',
Datum: Mean Sea Level	and 24-26'.
Logged By: William J. Ryan Drilling Method: Geoprobe	
Contractor: Zebra Environmental	
Borehole Dia.: 2.00in	
Depth (ft) Recovery Sample Interval PID Graphic Log	
Depth (ft) Recovery Sample Inter PID Graphic Log	Material Description
0-4' 0.0 ppm 0.0 ppm 0.0 ppm	Black-brown-orange brown (mostly black from 0.25-0.6'), med-coarse sandy FILL w/fine gravel, concrete rubble (top 3"), loose, dry
	t orange brown, sandy CLAY, slag fragments and red brick at 1.2',
4-8' 0.0 ppm	plastic, moist
	t orange brown, clayey SAND w/trace fine gravel, slightly plastic, moist Brown, fine—medium—coarse SAND w/fine gravel, loose, dry
8-12 623 ppm s	ight brown, fine-medium-coarse SAND w/fine gravel, loose, dry Back-charcoal gray, medium-coarse SAND, coarse sand lens at 10', loose,
10 – 1821 ppm · · · · · ·]	black staining, strong hydrocarbon-like odor, wet at 9'
324 ppm	rown, fine-medium-coarse SAND w/fine gravel, loose, minor black banding at 11', strong hydrocarbon-like odor, wet
12-16' 0.0 ppm	grown, fine-medium-coarse SAND w/fine gravel, loose, wet
	ame as above
16-20' 0.0 ppm	
20-24, 0.0 ppm	ame as above
20-24', 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	
24-26 0.0 ppm 0 0	Brown, fine-medium SAND, trace coarse sand and fine gravel from 25-26',
25- 0.0 ppm	loose, wet Base of boring — 26 ft.
	-
	Page 1 of 1

					Site Id: BBSB-74	
			virka		Location: Bay Shore/Brightwaters	
		D)B	nd Sartilu	ссі	Purpose: Soil Boring	
	ADIVISION	DF WILLIAM F. C	ONSULTING E	NGINEERS XCIATES, P.C.	Date(s): 02/13/02 - 02/14/02	
					Total Depth: 76.00'	
	ion: 19.63'				Remarks: Geotechnical samples selected for analys	sis at
	n: Mean Sea Lev				8-10', 16-18', 52-54', and 72-76'.	
	d By: William J.	-			-	
	g Method: Hand		5', Geoprot	be 5-76'	-	
	actor: Zebra Envi	ironmental			-	
Boreh	ole Dia.: 2.00in	1	1	1		
Depth (ft)	Recovery Sample Interval	GIA	Graphic Log		Material Description	
-	0-5'	0.0 ppm	0 0 0	-	m—coarse SAND w/fine gravel, loose, wet e sample)	
5 — - - -	5-8' 8-12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		m SAND w/trace fine gravel, loose, dry—mois nge, medium SAND w/fine gravel, loose, mois	
	12–16'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 9.2 ppm 2.3 ppm 2.3 ppm 10.5 ppm	0 0 0 0	Tannish-gray, fine-	w/fine gravel, loose, wet medium—coarse SAND w/fine gravel, loose, r on/naphthalene—like odor, wet	nild-moderate
15 — - - -	16-20'	18.1 ppm 13.7 ppm 26.5 ppm 4.4 ppm 1.3 ppm	· · · · · · · · · · · · · · · · · · ·	Same as above		
20	20-24'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, fine-medium	n—coarse SAND w/fine gravel, loose, wet	
- 25 -	24–28'	0.0 ppm 0.0 ppm 0.8 ppm 0.0 ppm 1.2 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, medium SAN loose, we	ID w/fine gravel, medium—coarse sand from t	26.5–27',
-	28–32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, medium-coo Brown, fine-medium	arse SAND, loose, wet n SAND, loose, wet	
						Page 1 of 3



Locati	Location: Bay Shore/Brightwaters		Site Id: BBSB-74				
Purpos	se: Soil	Boring				Total Depth: 76.00'	
Consu	Consulting Firm: Dvirka & Bartilucci			ci		Borehole Dia.: 2.00in	
Depth (ft)	Recovery	Sample Interval	DIA	Graphic Log		Material Description	
		72–76'	2.6 ppm 1.5 ppm 0.0 ppmm 2.6 ppmm 2.6 ppmm 2.8 ppmm 2.8 ppmm 2.8 ppmm 2.8 ppmm 2.9 ppm		Brown, medium—coa	n SAND, loose, hydrocarbon-like odor, wet rse SAND, little subrounded gravel, loose, on-like odor, wet '6 ft.	
							Page 3 of 3

					Site Id: BBSB-75	
			virka		Location: Bay Shore/Brightwaters	
			nd artilu	cci	Purpose: Soil Boring	
	ADIVISIC		NSULTING E	NGINEERS	Date(s): 02/14/02 - 02/15/02	
					Total Depth: 72.00'	
	tion: 18.94'				Remarks: Geotechnical samples selected for analysis at	
Datun	n: Mean Sea L	evel			8-10', 52-54', and 68-70'.	
	ed By: William				-	
	g Method: Han		5', Geoprob	be 5-72'	-	
	actor: Zebra Ei				-	
Boreh	ole Dia.: 2.00ir	ו ו	1	1		
Depth (ft)	Recovery Sample Interval		Graphic Log		Material Description	
Dep		DID	Gro			
	0-5'	0.0 ppm	0 0 0 0		n, medium—coarse SAND w/fine gravel, loose, moist te sample)	
5- 5-	5–8'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Same as above		
- - 10 — -	8–12	0.0 bpm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	wet at 8		
- - - 15 —	12-16 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			l lan, fine-medium-	coarse SAND w/fine gravel, loose, wet	
-	16-20, 0.0 ppm Tannish-gray, fine				-medium-coarse SAND w/fine gravel, loose, mild oon-like odor, wet	
20	20-2	4 [,] 0.0 ppm 8.4 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Tannish-gray, fine-medium SAND, trace coarse sand and fine gravel from 20-20.5', loose, mild hydrocarbon-like odor, wet		
- 25 — -	24-2	8' 0.3 ppm 0.0 ppm 0.2 ppm 0.0 ppm 0.0 ppm	0 0	Light brown, fine-medium SAND w/trace fine gravel		
-	28-3	0.4 ppm	0 0 0	like odor, wet Light brown, fine—medium SAND, some coarse sand, trace fine gravel, loose, mild naphthalene—like odor, wet		
					Page 1 of 3	l



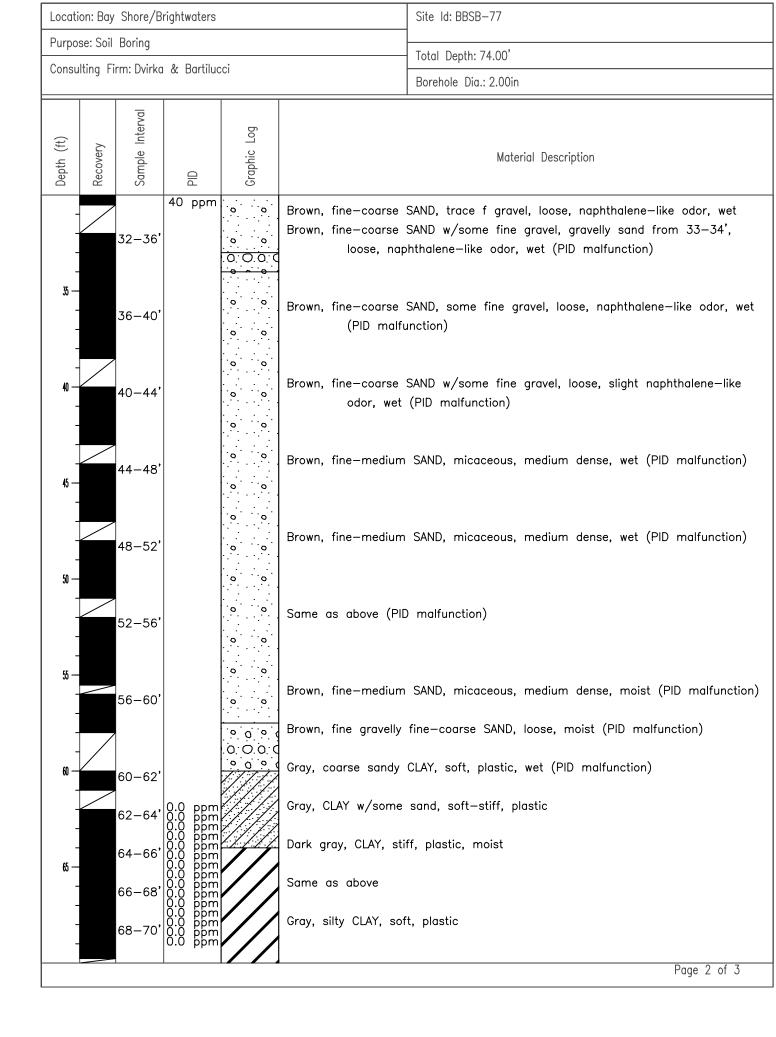
Locat	Location: Bay Shore/Brightwaters					Site Id: BBSB-75
Purpo	ose: Soil	Boring				Total Depth: 72.00'
Consi	Consulting Firm: Dvirka & Bartilucci					
	1				1	Borehole Dia.: 2.00in
Depth (ft)	Recovery	Sample Interval	DId	Graphic Log		Material Description
			0.0 ppm			, medium-coarse SAND w/fine-coarse gravel from 3', loose, mild naphthalene-like odor, wet 72 ft.

-		Site Id: BBSB-76	
Dvirka and		Location: Bay Shore/Brightwaters	
Bartilu	ссі	Purpose: Soil Boring	
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 02/20/02 - 02/21/02	
		Total Depth: 72.00'	
Elevation: 14.48'		Remarks: Sample selected for analysis at 17-19'.	
Datum: Mean Sea Level		Geotechnical samples selected for analysis at 8-10', 40-44', and 60-64'.	
Logged By: John Schafer Drilling Method: Geoprobe			
Contractor: Zebra Environmental			
Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log			
Depth (ft) Recovery Sample Inte PID Craphic Log		Material Description	
0-4' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm - 0.0 ppm 0.0 ppm 0.0 ppm		L w/some fine gravel, soft, slightly plastic, moist	
] -	-coarse SAND w/some fine gravel, some silt from oose, moist	
4-8' 0.0 ppm		fine-coarse SAND w/fine-coarse gravel, loose, moist-	
4-8' 0.0 ppm ° · · · · · 5- 0.0 ppm · · · · · · 0.0 ppm · · · · · ·	wet at 7	.5'	
8-12' 0.0 ppm	Tan-orange brown,	fine—coarse SAND w/fine gravel, some coarse gravel,	
8–12' 0.0 ppm · · · · · · 0.0 ppm · · · · · 0.0 ppm · · · · · 0.0 ppm · · · · ·	loose, we	et	
0.0 ppm,			
12–16' 0.0 ppm	Brown, fine-coarse	SAND w/fine gravel, trace coarse gravel, loose, wet	
12-16' 0.0 ppm			
15-			
16–20' 0.0 ppm		coarse SAND w/fine gravel, loose, slight hydrocarbon— from 17—18' in black sand, wet	
16-20', 0.0 ppm 16-20', 0.0 ppm 0.0 p	Brown, fine-mediur		
20-24' 5.0 ppm		coarse SAND w/some fine-coarse gravel, loose, slight oon-like odor, wet (PID readings not sustained, all	
		back to 0.0 ppm)	
	Daawa fira aaaraa	CAND with a second trace second revel loss slight	
24 - 28 50 ppm/ p $3 - 1$		SAND w/fine gravel, trace coarse gravel, loose, slight oon-like odor, wet (10 ppm PID reading was sustained,	
5.0 ppm :	the 5 pp	om readings were not sustained)	
	Brown, fine-coarse	SAND w/some fine-coarse gravel, loose, slight	
28–32 [,] 0.0 ppm 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	naphthalene-like odor, wet		
	1	Page 1 of 3	

Locat	Location: Bay Shore/Brightwaters					Site Id: BBSB-76
Purpo	se: Soil	Boring				Total Depth: 72.00'
Consulting Firm: Dvirka & Bartilucci				ci		Borehole Dia.: 2.00in
Depth (ft)	Recovery	Sample Interval	DId	Graphic Log		Material Description
		32–36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 10 ppm 10 ppm	0 0 0	naphthale Brown, fine-mediun	SAND w/some fine—coarse gravel, loose, slight ne—like odor, wet n SAND w/some coarse sand, trace fine gravel, loose— dense, naphthalene—like odor, wet
-		36–40'	0.0 ppm 7.0 ppm 4.0 ppm 7.0 ppm	0 0 0	Brown, fine-coarse like odor,	SAND, trace fine gravel, loose, slight naphthalene— wet
40 — 		40–44'	2.5 ppm 6.0 ppm 6.0 ppm 7.0 ppm 7.0 ppm	0 0		AND w/some coarse sand, trace fine gravel, micaceous ght naphthalene—like odor, wet
- - - - -		44–48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o o		n SAND w/some coarse sand, micaceous, loose, slight ne—like odor, wet
- - 50 -		48–52'	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0 0	Brown, fine-mediun like odor,	n SAND, micaceous, medium dense, slight naphthalene— wet
		52–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Same as above	
		56–60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, fine SAND, o	dense, moist
60		60–62'	0.0 ppm 0.0 ppm 0.0 ppm	0 0	-	-medium SAND, medium dense, wet
		62–64'	0.0 ppm	· · · ·	sample)	ne SAND, micaceous, very dense, moist (composite
- 65 		64–66' 66–68'	0.0 ppm ppm ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Gray, CLAY, very st	ly GRAVEL w/some fine—medium sand, loose, moist iff—stiff, plastic, moist to sandy CLAY, plastic, moist
		68–70 '	0.0 ppm 0.0 ppm 0.0 ppm	· / / / /	Brown, fine-mediun	n-coarse SAND, loose, wet
				· · · ·		Page 2 of 3

Purpose: Soil Bering Total Depth: 72.00' Consulting Firm: Doins & Bartlucci Total Depth: 72.00' Image: Soil Bering Image: Soil Bering Image: Soil Bering Im	Location: Bay Shore/Brightwaters	Site Id: BBSB-76
Consulting Firm: Dviko & Bartlucci Borehole Dia: 2.00in Boreho	Purpose: Soil Boring	Total Dooth: 72.00'
Image: Second	Consulting Firm: Dvirka & Bartilucci	
70-72' 8.8 ppm 9 <t< td=""><td></td><td>Borenole Did.: 2.00in</td></t<>		Borenole Did.: 2.00in
0.0 ppm, y browning gray, freedmin-course swite with grave, toose, wet 8- Gray, freedmine SAND, lose, wet 9-		Material Description
Page 3 of 3	0.0 ppm . 9 9	Gray, fine-medium SAND, loose, wet Base of boring – 72 ft.

Dvirka and Bartilucci CONSULTING ENGINEERS ADIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C. Elevation: 7.09' Datum: Mean Sea Level Logged By: John Schafer Drilling Method: Geoprobe Contractor: Zebra Environmental						Site Id: BBSB-77
Division of william F. cosulich associates, p.c. Elevation: 7.09' Datum: Mean Sea Level Logged By: John Schafer Drilling Method: Geoprobe						Location: Bay Shore/Brightwaters
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C. Date(s): 02/26/02 - 02/27/02 Elevation: 7.09' Total Depth: 74.00' Datum: Mean Sea Level Remarks: Geotechnical samples selected for analysis at 8-10', 32-36', and 56-58'. Logged By: John Schafer Drilling Method: Geoprobe				artiluo	cci	
Elevation: 7.09' Remarks: Geotechnical samples selected for analysis at 8-10', 32-36', and 56-58'. Logged By: John Schafer Drilling Method: Geoprobe		A DIVISION O				Date(s): 02/26/02 - 02/27/02
Datum: Mean Sea Level Remarks: Geotechnical samples selected for analysis at 8-10', 32-36', and 56-58'. Dorilling Method: Geoprobe Drilling Method: Geoprobe						Total Depth: 74.00'
Logged By: John Schafer Drilling Method: Geoprobe						Remarks: Geotechnical samples selected for analysis at
Drilling Method: Geoprobe						8—10', 32—36', and 56—58'.
Contractor: Zebra Environmental						
			ronmental			
Borehole Dia.: 2.00in	Borehole Di					
Depth (ft) h Ample h Am		iterval		bo		
Depth Accovery Recovery Craphic Log PID Recovery PiD Recovery PiD	th (ft.	ple Ir		hic L		Material Description
Clap Piper Clap Clap Clap Clap Clap Clap Clap Clap	Dept	Sam	DID	Grap		
0-4' 0.0 ppm	_	0-4'	0.0 ppm 0.0 ppm		Brown-orange browr	n, SILT w/some fine-coarse gravel and fine-coarse sand,
	-		0.0 ppm 0.0 ppm 0.0 ppm		soft, non-	-plastic
					Brown, gravelly fine-	-coarse SAND w/fine-coarse gravel, loose, wet
4-8 5- 4-8 5- 4-8 5- 4-8 5- 4-8 5- 4-8 5- 4-8 5- 4-8 5- 4-8 5- 4-8 5- 4-8 5- 4-8 5- 1000 100 1000 1	5 —	4-8	0.0 ppm 0.0 ppm	.0.0.0.0		
4-8' 5- 4-8' 5- 4-8' 4-8' 0.0 ppm 0.0.0.0.0 0.0 ppm 0.0.0.0.0 0.0 ppm 0.0.0.0.0 0.0 ppm 0.0.0.0.0 Brown, gravely fine-coarse SAND w/fine-coarse gravel, loose, wet Brown, fine-coarse SAND w/some fine gravel, trace coarse gravel, loose, wet 0.0 ppm 0.0.0.0.0 0.0 ppm 0.0.0.0 0.0 ppm 0.0.0.0.0 0.0 ppm 0.0.0.0 0.0 ppm 0.0.0 0.0 ppm 0.0.0.0 0.0 ppm 0.0.0 0.0 ppm 0.0.0.0 0.0 ppm 0.0.0.0 0.0	-		0.0 ppm 0.0 ppm			
		8-12'		• • • • • •	Brown-tan, fine-coc	arse SAND w/fine-coarse gravel, loose, wet
	-	0 12	0.0 ppm 0.0 ppm			
	10		0.0 ppm 0.0 ppm 0.0 ppm	· o · o		
	-	12-16'	10 0 bbm	o o	Tan, fine-coarse SA	ND, trace fine gravel, loose, wet
12-16'	-		0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·		
	15 -			o o		
		16-20'	0.0 ppm 0.0 ppm			
16-20' 0.0 ppm Brown, fine-coarse SAND w/some fine-coarse gravel, loose, slight 16-20' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			0.0 ppm 0.0 ppm		naphthaler	ne-like odor, wet
			0.0 ppm			
20-24, 0.0 ppm . Brown, fine-coarse SAND w/trace fine gravel, loose, slight naphthalene-like	20	20-24'	0.0 ppm 0.0 ppm	· · · · · ·		SAND w/trace fine gravel, loose, slight naphthalene—like
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			0.0 ppm 0.0 ppm 0.0 ppm	·o · · o	odor, wet	
			FF	· · · · ·		
24-28, 0.0 ppm 2 24, 0.0 ppm 2 24-28, 0.0 ppm 2 24-28, 0.	05	24–28'	0.0 ppm 0.0 ppm	· · · ·		SAND w/some fine-coarse gravel, loose, naphthalene-like
			0.0 ppm	0 0	,	
					Prown fine and	SAND trace fine argued lesse mental-less lite star
28-32', 30 ppm 20.000 Brown, fine-coarse SAND, trace fine gravel, loose, naphthalene-like odor, 35 ppm 20.000 wet 35 ppm 20.000 wet		28–32'	30 ppm 35 ppm 38 ppm			JAND, THE HITE GRAVET, 1005E, HAPHTHAIENE-like odor,
35 ppm			၂၁၁ ppm			Page 1 of 3



Purpose: Soil Boring Total Depth: 74.00' Consulting Firm: Dvirka & Bartilucci Barthole Dia: 2.00in Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil Boring Firm: Dvirka & Bartilucci Image: Soil	Location: Bay Shore/Brightwaters	Site Id: BBSB-77	
Consulting Firm: Dvirko & Bartilucci Borehole Dia:: 2.00in Borehole Dia:: 2.00in TO-72 OOD pprint in the sondy SLT, soft, non-plastic, moist Fram, very fine sondy SLT, micaceous, soft, non-plastic, moist Brown, very fine sondy SLT, micaceous, soft, non-plastic, moist Base of boring - 74 ft.	Purpose: Soil Boring	Total Depth: 74.00'	
Image: Second	Consulting Firm: Dvirka & Bartilucci		
70-72: 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 1.1 1 1 Gray, very fine sandy SILT, soft, non-plastic, moist prom, very fine sandy SILT, micaceous, soft, non-plastic, moist Base of boring - 74 ft. 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8			
		Material De	scription
	70-72' 0.0 ppm 72-74' 0.0 ppm 0.0 ppm 1 75- 0.0 ppm 80- 0.0 ppm 88- 0.0 ppm 90- 0.0 ppm <t< td=""><td>Brown, very fine sandy SILT, micaceous, soft</td><td></td></t<>	Brown, very fine sandy SILT, micaceous, soft	
Page 3 of 3			Page 3 of 3

		Site Id: BBSB-78
Dvirka		Location: Bay Shore/Brightwaters
Bartilu	cci	Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO	NGINEERS XIATES, P.C.	Date(s): 01/18/02 - 01/18/02
		Total Depth: 26.00'
Elevation: 21.98'		Remarks: Samples selected for analysis at 0-2', 9-11', and
Datum: Mean Sea Level		24-25'. Driller encountered refusal at three locations
Logged By: William J. Ryan Drilling Method: Geoprobe		before successfully installing this boring.
Contractor: Zebra Environmental		
Borehole Dia.: 2.00in		
-og		
Depth (ft) Recovery Sample Interval PID Graphic Log		Material Description
0-4' 0.0 ppm 39.1 ppm 0.0 ppm	-	um-coarse SAND, concrete debris and vesicular slag from
	0—1', loos odor, dry	se, hardened tar from 1.5-2', minor naphthalene-like
4-8' 0.0 ppm		D w/fine gravel, coarse sand lens at 6', loose, dry (wet
4-8' 0.0 ppm 0.0 ppm 0.0 0	at 6')	
8-12' 0.0 ppm		ge, fine-medium-coarse SAND, loose, wet
<u>31</u> 0 ppm		, fine-medium SAND w/fine gravel, coarse sand lens at se, black staining, moderate hydrocarbon-like odor,
10 − 57.2 ppm 10 100 0.0 ppm 100 100 0.0 ppm 100 100	wet	be, black stanning, moderate hydrocarbon like oder,
12–16' 0.0 ppm	Brown, fine-medium	SAND w/trace coarse sand and fine gravel, loose, wet
15 -		
16-20'	No recovery, sample	e washed out
20-24 0 0 bbm		rse SAND w/fine gravel, coarse sand and fine gravel from loose, wet
0.0 ppm		
	 Brown, fine-medium-coarse SAND w/fine-coarse gravel, loose, wet	
24-26' 0.0 ppm Brown, fine-medium		-course salud w/inte-course gravel, loose, wet
	Base of boring — 2	16 ft.
		Page 1 of 1

		Site Id: BBSB-79
Dvirka		Location: Bay Shore/Brightwaters
and Bartilu	ссі	Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 02/08/02 - 02/08/02
		Total Depth: 20.00'
Elevation: 20.92'		Remarks: Samples selected for analysis at 6-7' and 16-18'.
Datum: Mean Sea Level		_
Logged By: William J. Ryan		-
Drilling Method: Geoprobe Contractor: Zebra Environmental		-
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Graphic Log		
Depth (ft) Recovery Sample Inter PID Craphic Log		Material Description
0-4' 0.0 ppm 0.0 ppm 0.0 ppm - 0.0 ppm		opsoil, clinker deposits, loose, moist
0.0 ppm /////	Light orange brown,	sandy CLAY w/trace fine gravel, plastic, moist
4-8' 0.0 ppm	1 Light orange brown,	medium-coarse SAND w/fine gravel, loose, moist
4-8' 5- 4-8' 0.0 ppm 0.0 p		rse SAND w/fine gravel, loose, bottom 6" charcoal gray in
- 102 ppm - · · · · · · · · · · · · · · · · · ·		derate odor (possibly solvent-like), wet
8-12' 0.0 ppm • • • • • • • • • • • • • • • • • •		um-coarse SAND w/trace fine gravel, loose, charcoal gray
8-12' 384 ppm o o o 30.8 ppm o o o 6.1 ppm o o o	discolorati	on, mild hydrocarbon/solvent-like odor, wet
0.0 ppm		
12-16' 0.0 ppm ° ° Children Light brown, medium		n—coarse SAND w/trace fine gravel, loose, wet
12-16' 0.0 ppm		
15-		
16-20' 0.0 ppm · · · · · · 0.0 ppm · · · · ·	Light brown, mediun	n-coarse SAND w/fine gravel, loose, wet
- 0.0 ppm - 0.0		
	Base of boring — 2	0. ft
	Base of boring - 2	
25 -		
	·	Page 1 of 1

		Site Id: BBSB-80
Dvirka		Location: Bay Shore/Brightwaters
Bartilu		Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 02/08/02 - 02/08/02
		Total Depth: 20.00'
Elevation: 20.82'		Remarks: Samples selected for analysis at 6-7', 8.5-9.5',
Datum: Mean Sea Level		and 16—18'.
Logged By: William J. Ryan Drilling Method: Geoprobe		
Contractor: Zebra Environmental		
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Graphic Log		
Depth (ft) Recovery Sample Inter PID Craphic Log		Material Description
		erial, clinker fragments, loose, dry
	Light orange brown	n, sandy CLAY, plastic, moist
4-8' 0.0 ppm	Lt orange brown-c	harcoal gray, SAND w/trace fine gravel, loose, dark
4-8' 0.0 ppm 5- 4-8' 0.0 ppm 0.0 ppm		gray staining with strong solvent/hydrocarbon—like bottom 6", wet at 6.5'
42 ppm 170 ppm		bottom 6, wet at 6.5
8-12' 0.0 ppm	-	m—coarse SAND w/fine gravel, loose, dark charcoal
8−12' 0.0 ppm · · · · · 109 ppm · · · · · 16 ppm · · · · · 27 ppm · · · · · 23 ppm · · · · ·		ning with light sheen from 8.5—9', light gray from 10—10.5', strong solvent/hydrocarbon—like
	odor, we	
12-16' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Light brown, fine-r 14.3', loo	nedium—coarse SAND w/fine gravel, gravel lens at ose, wet
- 0.0 ppm . • • . 0.0 ppm . • •		
] Light brown fine_r	nedium—coarse SAND w/fine gravel, loose, wet
16-20', 0.0 ppm · · · · · · · · · · · · · · · · · ·	light brown, nite i	nediani eodrae Sinto wynne graver, loose, wet
	Base of boring —	20 ft.
25		
		Page 1 of 1

		Site Id: BBSB-81	
Dvirka	l	Location: Bay Shore/Brightwaters	
		Purpose: Soil Boring	
A DIVISION OF WILLIAM F. COSULICH ASS		Date(s): 02/15/02 - 02/15/02	
		Total Depth: 106.00'	
Elevation: 22.18'		Remarks: Samples selected for analysis at 7-9', 16-18',	
Datum: Mean Sea Level		36-38', 69-71', and 81-83'.	
Logged By: J. Schafer			
Drilling Method: Rotosonic Contractor: Prosonic		-	
Borehole Dia.: 6.00in			
Depth (ft) Recovery Sample Interval PID Craphic Log		Material Description	
0-6' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm - 0.0 ppm 0.0 ppm	Brown, SILT w/fine g	gravel, stiff, non-plastic	
5 - 6-11' 0.0 ppm 5 - 0.0 ppm 0.0 ppm	Brown—gray, fine—co moderate Gray—dark gray, fine light petro Gray—dark gray, fine odor, mois	arse SAND w/fine-coarse gravel, loose, dry arse SAND w/some fine gravel, trace coarse gravel, loose, petroleum-like odor, very moist -coarse SAND w/fine gravel, some coarse gravel, loose, leum-like odor, moist -coarse SAND w/some fine-coarse gravel, loose, tar-like st	
16-21' 16-21' 15 ppm 15 ppm 10 ppm 50 ppm 50 ppm 10 ppm	gravel, loo Brown, fine-coarse s	se, moderate brown staining, tar—like odor, wet SAND w/some fine gravel, trace coarse gravel, loose,	
20- 21-26' 21-26' 21-26' 10 ppm 10	Brown, fine-coarse S	like odor, wet SAND w/fine gravel, some coarse gravel, fine gravelly e SAND from 23-23.5' and 24-25', loose, brown om 23-23.5' (heavy) and 24-25', tar-like odor,	
26-31' 42 ppm · · · · · · 80 ppm · · · · · 75 ppm · · · · · 50 ppm · · · · · 90 ppm · · · · · 80 ppm · · · · ·	1	SAND w/some fine gravel, trace coarse gravel, loose, t brown staining, naphthalene—like odor, moist Page 1 of 3	

Location: Bay Shore/Brightwaters	Site Id: BBSB-81			
Purpose: Soil Boring	Total Depth: 106.00'			
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 6.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description			
31-36' 31-36'	Brown, fine-coarse SAND w/some fine-coarse gravel (31-36'), some fine gravel and trace coarse gravel (30-31'), loose, intermittant (30-31') to sporadic (31-36') brown staining, naphthalene-like odor, moist			
36-41' 150 ppm 150	Brown, fine—coarse SAND w/some fine—coarse gravel, fine gravelly sand lens at 36.5', loose, intermittant heavy staining to 38', no staining after 38', heavy staining in gravelly sand lens at 36.5', heavy naphthalene—like odor, moist			
41-46' 0.0 ppm 5.0 ppm 7.0 ppm 6.0 ppm 11 ppm 12 ppm 18 ppm 	Brown, fine-coarse SAND w/some fine-coarse gravel, loose, slight brown staining at 44', slight naphthalene-like odor, moist			
45- 46-51' 12 ppm 11 ppm 15 ppm 12 ppm 10 pp	Brown—mottled orange brown, fine—medium SAND, trace fine gravel, loose, slight naphthalene—like odor			
51-56' 51-56' 51-56' 51-56' 1.0 ppm 0.0 ppm	Same as above, no gravel, no odor			
56-61' 0.0 ppm 0.0	Brown—mottled orange brown, fine SAND w/some medium sand, medium dense, moist			
61-66' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 0.0 ppm 0.0 0.0 ppm 0.0 0.0 ppm	Same as above, no medium sand			
66-71' 130 ppm 170 ppm 250 ppm 50	Brown—gray, fine SAND, trace fine gravel, liquid to medium dense, NAPL saturated at 66' and 70.5', heavy naphthalene—like odor			
Page 2 of 3				

Location: Bay Shore/Brightwaters	Site Id: BBSB-81
Purpose: Soil Boring	Total Depth: 106.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 6.00in
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description
71-76" 6.0 pbm satu 1.0 ppm satu 8.0 ppm fine 75- 76-81' 76-81' 0.0 ppm 0.0 ppm 11.111 0.0 ppm 11.111 0.0 ppm 11.111 0.0 ppm 11.111 76-81' 0.0 ppm 0.0 ppm 11.111 0.0 ppm 11.111 0.0 ppm 11.111 0.0 ppm 0.0 ppm 0.0 ppm 11.111 0.0 ppm 11.1111 0.0 ppm	ravelly medium-coarse SAND w/some clay, heavy staining to NAPL arated, heavy naphthalene-like odor, to dk gray, silty v fine- SAND, dense, sheen on water, naphthalene-like odor, moist CLAY, very stiff, plastic, naphthalene-like odor (slight from 5-76'), with gray sandy SILT from 73.5-74' and 75-75.5' CLAY, very stiff, plastic, moist e sandy SILT, soft, non-plastic, black organic laminations CLAY, very stiff, plastic, moist e sandy SILT, soft, non-plastic, black organic laminations y fine SAND, black organic laminations, clay lenses at 84' 84.5'
85- 0.0 ppm 1.1.1 1.1.1 86-91' 0.0 ppm 1.1.1 1.1.1 0.0 ppm 1.1.1 1.1.1 1.1.1 0.0 ppm 1.1.1 1.1.1 1.1.1 0.0 ppm 0.0 ppm 1.1.1 1.1.1 0.0 ppm 0.1.1 1.1.1 1.1.1 0.0 ppm 0.1.1 1.1.1 1.1.1 90- 0.0 ppm 1.1.1 1.1.1	ray, slightly silty very fine—fine SAND, medium dense, moist— dark brown CLAY layer from 87.5—89', stiff, plastic, moist
91-96' 0.0 ppm <u>1-1-1-1-1</u> Dark gray, ver	ry fine SAND w/some medium sand, trace silt, micaceous, loose— lium dense
96-101', 0.0 ppm 96-101', 0.0 ppm 0.0 ppm	CLAY, pyrite at 97', soft, plastic, moist ery stiff, slightly plastic—plastic
0.0 ppm 101-106' 0.0 ppm Gray, CLAY, ve	ery stiff, non-plastic, almost dry caceous, stiff to crumbly, non-plastic, moist g — 106 ft.
	Page 3 of 3

_				Site Id: BBSB-82		
		virka nd		Location: Bay Shore/Brightwaters		
	(_) E	artilu		Purpose: Soil Boring		
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.				Date(s): 02/16/02 - 02/16/02		
<u> </u>				Total Depth: 86.00'		
Elevation: 23.49'				Remarks: Samples selected for analysis at 10—12', 30—32',		
Datum: Mean Sea Lev				50-52', and 69-71'.		
Logged By: Innocent T						
Drilling Method: Rotoso	onic					
Contractor: Prosonic						
Borehole Dia.: 6.00in	Ι					
Depth (ft) Recovery 9. Sample Interval	Depth (ft) Recovery Sample Interval PID Graphic Log			Material Description		
-	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			fine—med sandy gravelly FILL, some gray silt, roots		
	- 0.0 ppm 0.0 ppm - 0.0 ppm			Brown, f—m sandy FILL, some silt and rounded gravel, trace clay, glass Orange brown, medium—coarse SAND and fine—coarse rounded GRAVEL, loose		
5- 5- 6-16' - 10- - -	0.0 ppm 0.0 pp		gravel fro staining fi staining fi (strong) c	ium—coarse SAND and rounded GRAVEL, medium sand and om 7.5—8.5', trace silt, trace clay, dark brown from 7.5—8.5', saturated with NAPL with gray from 8.5—11', hydrocarbon—like odor from 7.5—8.5' and 8.5—11' se SAND, some gravel, staining, hydrocarbon—like odor		
15-16-26	0.6 ppm 0.3 ppm 0.0 ppm	0 0	Brown, medium—coarse SAND, some gravel, hydrocarbon—like odor			
	1.1 ppm 7.2 ppm 12.5 ppm 3.6 ppm	o o	•	edium SAND, little gravel, gray—brown staining, on—like odor		
	66 ppm 69 ppm 27.5 ppm 5.38 ppm 6.52 ppm 5.22 ppm 7.5 ppm 7.5 ppm 7.5 ppm	0 0 0 0	Brown, fine-medium	n SAND, some gravel, loose, tar lens at 20', on—like odor, wet		
26-36'	50 ppm 78 ppm 48 ppm 235 ppm 164 ppm 224 ppm 308 ppm	0 0 0	Brown, medium—coarse SAND, little—some rounded gravel, loose, black staining, sheen, strong naphthalene—like odor, wet			

Location: B	Location: Bay Shore/Brightwaters				Site Id: BBSB-82		
Purpose: So	Purpose: Soil Boring				Total Depth: 86.00'		
Consulting Firm: Dvirka & Bartilucci			ci		Borehole Dia.: 6.00in		
Depth (ft) Recovery	Sample Interval	QId	Graphic Log	Material Description			
- - - - 35 - - - - 40	36–46'	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE		of black M naphthaler Brown, medium-coa	rse SAND, little—some rounded gravel, loose, lense NAPL from 30—32', black staining, sheen, strong ne—like odor, wet rse SAND, little—some gravel, loose, lenses of bla t 40', 42' and 44—45', sheen, naphthalene—like		
- - - 45 - - - - 50	46–56'	205421594.88 201594.88 201594.88 201594.88 201594.88 201594.88 201594.88 201594.88 2015921154 201594.88 2015921154 201555555555555555555555555555555555555	0 0 0 0 0 0 0 0 0		SAND, some coarse sand, trace fine gravel, loos ark brown NAPL at 50.5', naphthalene—like odor,	se,	
- - - 55 - - - - - - - - - - - - - -	56–66'	2020 2020 2020 2020 2020 2020 2020 202	0 0 0 0 0 0 0 0 0 0 0 0 0	Brown-mottled oran	ge brown, fine—medium SAND, loose, moist		
- - - 65 - - - -	66–76'	0.0 ppm 0.0 ppm 0.0 ppm 1.0 pppm 1.0 pppm 2.1 pppm 2.1 pppm 2.1 pppm 2.1 pppm 4.1 pppm 4.1 pppm 4.1 pppm 4.1 pppm 4.1 pppm 4.1 pppm 4.2 pppm 4.1 pppm 4.2 pp	0 0 0 0 0		edium SAND (69—70.5'), black—brown staining, sh on—like odor from 69—70.5', wet		
					Pa	ge 2 of 3	

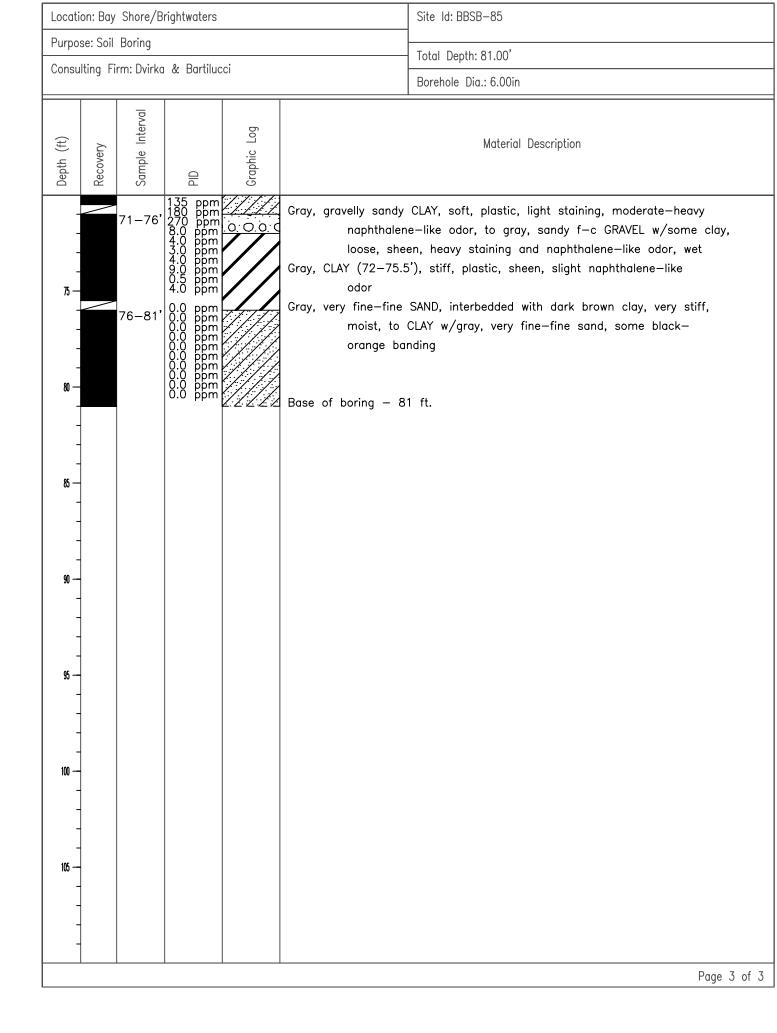
Location: Bay Shore/E	Brightwaters		Site Id: BBSB-82	
Purpose: Soil Boring			Total Depth: 86.00'	
Consulting Firm: Dvirka & Bartilucci				
Purpose: Soil Boring	33 ppm 95 ppm 31 ppm 19.8 ppm 14.2 ppm 14.2 ppm 9.4 ppm 5.6 ppm 2.1 ppm 2.1 ppm 2.2 ppm	Graphic Log	Total Depth: 86.00' Borehole Dia.: 6.00in Material Description Gray, CLAY (70.5–71'), silt, dense Brown-gray, fine-medium SAND, micaceous, mild staining, hydrocarb like odor Dark gray, SILT, some clay, dense, stiff, to SAND (75.5–76') Gray, fine-medium SAND, some silt, little-trace clay, micaceous Dark gray/black, SILT, fine sand, very dense, stiff, non-plastic Gray-dark gray, silty very fine SAND, trace-little clay, micaceous Base of boring – 86 ft.	on-
90 - - - - - - - - - - - -				age 3 of 3

		Site Id: BBSB-83
Dvirka		Location: Bay Shore/Brightwaters
Bartiluo	cci	Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 02/28/02 - 02/28/02
		Total Depth: 20.00'
Elevation: 20.12'		Remarks: Samples selected for analysis at 8-10' and
Datum: Mean Sea Level		18–20'.
Logged By: Innocent Taziva	4 00'	
Drilling Method: Hand Augered 0-4', Geoprob	e 4-20	-
Contractor: Zebra Environmental		-
Borehole Dia.: 2.00in		
Recovery Recovery PID PID FID FID FID		Material Description
0-4 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 0 ppm 0.0 0 ppm 0.0 0 0 0 0.0 0 ppm 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0 0 0	Tan, fine-medium (composi Same as above, to Brown, coarse-very Brown, coarse SAN 9.5', loos Gray, coarse SAND Brown, very coarse hydrocart Gray, very coarse 10-12') Brown, medium-co	20 ft.
		Page 1 of 1

		virka		
	Dvirka			Location: Bay Shore/Brightwaters
and Bartilucci				Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.			NGINEERS CIATES, P.C.	Date(s): 02/28/02 - 02/28/02
L				Total Depth: 20.00'
Elevation: 20.29'				Remarks: Samples selected for analysis at 8—10' and
Datum: Mean Sea Leve				18–20'.
Logged By: Innocent T				
Drilling Method: Hand ,	-	, Geoprob	e 4-20'	
Contractor: Zebra Envi	ronmental			
Borehole Dia.: 2.00in				
Depth (ft) Recovery Sample Interval	QId	Graphic Log		Material Description
12-16' $0-4'$ $0.0 ppm$ $0.0 ppm$ $0.0 ppm$ $0.0 0 ppm$ $0.0 0 0 ppm$ $0.0 0 0 ppm$ $0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0$				rown, slight hydrocarbon—like odor rse SAND, some fine gravel, trace silt, gray hydrocarbon—like odor and GRAVEL, loose, gray staining, hydrocarbon— , wet

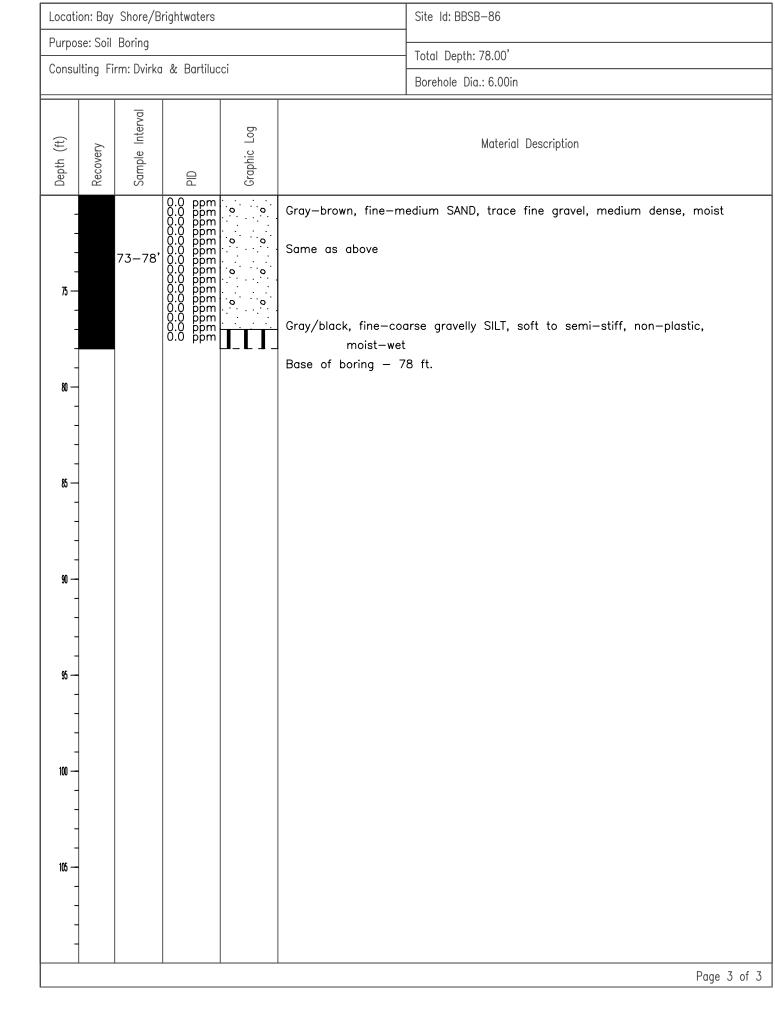
					Site Id: BBSB-85		
			virka nd		Location: Bay Shore/Brightwaters Purpose: Soil Boring		
		())B	artilu	cci			
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.					Date(s): 02/28/02 - 02/28/02		
					Total Depth: 81.00'		
Elevation: 21.72'					Remarks:		
Datum: Mean Sea Level							
Logge	d By: J. Schafer	r					
Drillin	g Method: Rotos	onic					
Contro	actor: Prosonic						
Boreh	ole Dia.: 6.00in			1			
Depth (ft)	Depth (ft) Recovery Sample Interval PID Graphic Log				Material Description		
	6-11'	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 0	Brown, CLAY w/grav Brown, fine-coarse odor from	gravel and clay, soft, plastic, moist-wet el, soft, plastic, moist SAND w/fine-coarse gravel, loose, possible creosote-like 5-6', dry SAND w/fine-coarse gravel, loose, hydrocarbon-like odor,		
10 — - - 15 —	11–16	5.0 ppm 5.0 ppm 320 ppm 320 ppm 50 ppm 30 ppm 30 ppm 20 ppm 20 ppm	0 0 0 0	Brown—gray, fine—coarse SAND w/some fine gravel, coarser lens at 13' with coarse gravel, loose, staining at 13', hydrocarbon—like odor, wet			
- - - 20 —	16-21	, 0.0 ppm 0.0 ppm 2.0 ppm 7.0 ppm 5.0 ppm 17 ppm	0 0 0	Black-gray, fine-coarse SAND w/fine and some coarse gravel, loose, intermittant brown staining, hydrocarbon-like odor, wet			
23 - - - 25 —	21–26	, 0.0 ppm 0.0 ppm 0.0 ppm 10 ppm 75 ppm 200 ppm 50 ppm 50 ppm	0 0 0 0	Tan, fine—coarse SAND w/some fine gravel, loose, coated with heavy oil/tar at 23' and 24', lens of staining at 24.5', naphthalene—like odor, wet			
	26–31	, 15 ppm 60 ppm 120 ppm 120 ppm 65 ppm 150 ppm	0 0 0 0		ND w/fine and some coarse gravel, loose, sporadic— It brown staining, heavy naphthalene—like odor, wet		
1					Page 1 of 3		

Location: Bay Shore/Brightwaters		Site Id: BBSB-85		
Purpose: Soil Boring		Total Depth: 81.00'		
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 6.00in		
Depth (ft) Recovery Sample Interval PID		Material Description		
Cra PID San Gra				
31-36' 31-36' 31-36' 30 ppm 20 ppm 20 ppm 30 ppm	1	ND w/some fine gravel, loose, sporadic brown staining, -heavy naphthalene—like odor, wet		
36-41' 36-41' 36-41' 36-41' 30 ppm 35 ppm 35 ppm 110 ppm 180 ppm 380 ppm 35 ppm 35 ppm 36 ppm 35 ppm 36 ppm 35 ppm 35 ppm 36 ppm 35 ppm 36 ppm 36 ppm 36 ppm 37 ppm 37 ppm 38 ppp	 Same as above, interpretention moist 	Same as above, intermittant—heavy staining, heavy naphthalene—like odor, moist		
41-46', 8.0 ppm 20 ppm 30 ppm 8.0 ppm 30 ppm 8.0 ppm 30	lens at 4	brown, fine-coarse SAND w/some fine gravel, fine sand 5', loose, moderate brown staining at 44.5', light- hthalene-like odor, moist		
45- 46-51' 66 ppm 65 ppm 50 ppm 150 ppm 15	o Brown, fine-coarse	SAND w/trace fine gravel, loose, moist		
50 ppm 51-56' 50 ppm 50 ppm	•	SAND w/trace coarse sand and fine gravel, loose, naphthalene—like odor, moist		
20 ppm · · · · · · · · · · · · · · · · · ·		ottled orange brown, fine—medium SAND, trace coarse sand, dium dense, light naphthalene—like odor, moist		
	0	ge brown, fine SAND w/some medium sand, medium dense, wn staining at 62.5', slight naphthalene—like st		
66-71' 4.0 ppm 20 ppm 15 ppm 47 ppm 52 ppm 50 ppm 120 ppm	Gray-mottled orange like odor,	e brown, fine—medium SAND, medium dense, naphthalene— moist		
		Page 2 of 3		

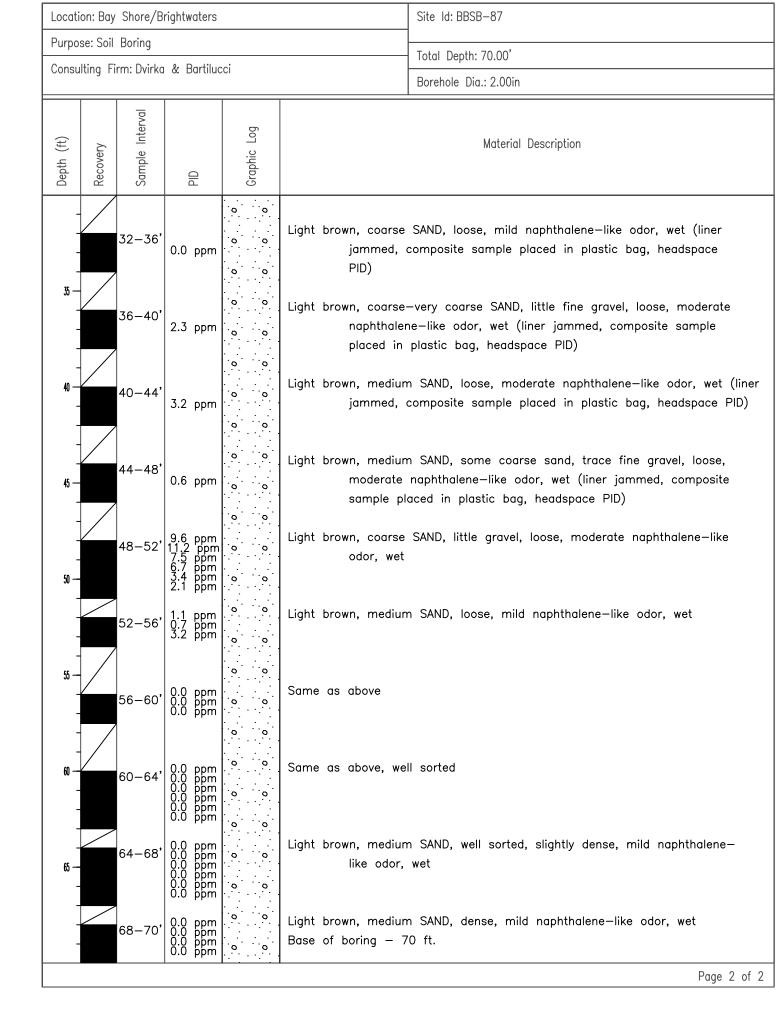


		Site Id: BBSB-86	
Dvirka		Location: Bay Shore/Brightwaters	
		Purpose: Soil Boring	
		Date(s): 03/13/02 - 03/13/02	
		Total Depth: 78.00'	
Elevation: 22.90'		Remarks: Samples selected for analysis at 8—10', 15—17',	
Datum: Mean Sea Level		48-50', and 76-78'.	
Logged By: John Schafer			
Drilling Method: Rotosonic			
Contractor: Prosonic			
Borehole Dia.: 6.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log		Material Description	
0.0 ppm 0.0 o ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 o ppm 0.0 o ppm 0.0 o o o 000 ppm 0.0 o o 00 ppm 0.0 o o 0.0 o o 0	0.5—1', ca ravelly FILL, concre staining, h rown, fine-coarse hydrocarba lue-gray, fine-coa tar/oil ler rown, fine-coarse heavy tar, rown, fine-coarse	Ity matrix, some brick, concrete powder/fragments from barse gravel, loose, moist ste from 1-6' SAND w/fine gravel, some coarse gravel, loose, brown hydrocarbon-like odor, moist SAND w/fine-coarse gravel, loose, brown staining, heavy on-like odor, moist rse SAND w/some fine-coarse gravel, loose, blue staining, heses at 15.5' and 16.5', hydrocarbon-like odor, moist SAND w/trace fine-coarse gravel, loose, brown staining, /oil on liner at 18', naphthalene-like odor, moist SAND w/some fine-coarse gravel, loose, moderate- nt dark brown staining, naphthalene-like odor,	
28–33' 13 ppm		ome fine and trace coarse gravel, loose, tar blebs, hthalene—like odor, moist 	

Locat	Location: Bay Shore/Brightwaters			Site Id: BBSB-86		
Purpo	Purpose: Soil Boring			Total Depth: 78.00'		
Consu	Consulting Firm: Dvirka & Bartilucci			Borehole Dia.: 6.00in		
-						
Depth (ft)	Recovery	Sample Interval	DIA	Graphic Log		Material Description
	-		30 ppm 25 ppm 12 ppm 18 ppm	· · · · · · · · · · · · · · · · · · ·		ome fine and trace coarse gravel, loose, tar blebs to
					31°, slight Same as above, tar	naphthalene—like odor, moist blebs throughout
- 35 — -	-	33–38'	8.0 ppm 12 ppm 21 pppm 15 pppm 16 pppm 13 pppm 25 pppm 29 ppm	0 0 0	Brown, fine-coarse	SAND w/fine and coarse gravel, loose, tar lens at 37', hthalene—like odor, moist
- 40 -		39–48'	1.0 ppm 2.0 ppm 3.0 ppm 3.0 ppm 4.0 ppm 5.0 ppm 5.0 ppm	0 0 0		SAND, some fine gravel, trace coarse sand and gravel, ht naphthalene—like odor, moist
		48–53'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o o o o	Orange brown, fine-	medium SAND w/trace fine gravel, loose, moist
- - - - 55 -		53–58'	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0 0 0 0	Orange brown, fine- moist Same as above, no	medium SAND w/some fine and coarse gravel, loose,
- - - - - - - - - - -		58–63'	0.00 ppm 0.00 ppm 0.00 ppm 0.00 ppm 0.00 ppm 0.00 ppm 0.00 ppm 0.00 ppm 0.00 ppm	0 0 0		medium SAND, trace fine gravel, loose, moist
- - 65 - - -		63–68' 68–73'	теление пределен	0 0 0 0		SAND w/some medium sand, medium dense, moist edium SAND, trace fine gravel, medium dense, moist
			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·		Page 2 of 3



	Site Id: BBSB-87
Dvirka and	Location: Bay Shore/Brightwaters
	I PUDOSP SOU BOUDO
A DIVISION OF WILLIAM F. COSULICH ASS	
	Total Depth: 70.00'
Elevation: 23.58'	Remarks: Samples selected for analysis at 7-9', 19-21',
Datum: Mean Sea Level	48-50', and 68-70'.
Logged By: Taziva, Fox	
Drilling Method: Hand Augered 0-5', Geopro	5e 5-70
Contractor: Zebra Environmental	
Borehole Dia.: 2.00in	
Craphic Log	Material Description
0-5' 0.0 ppm 0.0 ppm	Dark brown, TOPSOIL
- 0.0 ppm	Brown, silty SAND w/gravel, cohesive, moist Brown, SAND w/silt and gravel, loose, moist
- 0.0 ppm	Brown, medium-coarse SAND w/gravel, loose, wet
5-7, 0.0 ppm 5-7, 0.0 ppm 0.0 ppm 0.0 ppm - - - - - - - - - - - - -	Light brown, medium-coarse SAND, loose, moist
	Light brown, coarse SAND and GRAVEL, loose, wet
7-11' 1.2 ppm <u>• • • •</u> 0.6 ppm <u>• • • • •</u> 11.1 ppm <u>• • • •</u> 22.4 ppm • • • • 128 ppm •	Brown-black, medium-coarse SAND w/gravel, loose, tar staining, mild-
	moderate hydrocarbon—like odor, moist
11-15', 1.1 ppm 0.6 ppm 0.4 ppm 0.2 ppm	Brown—gray, coarse—very coarse SAND, little gravel, loose, slight staining, mild hydrocarbon—like odor, wet
	Dark gray—gray, very coarse SAND, GRAVEL, loose, dark gray staining from
15-19' 0.6 ppm 0.0 0.0 ppm	15-15.5', mild hydrocarbon-like odor, wet
	White, coarse SAND, little fine gravel, loose, slight naphthalene—like odor,
19–23' 0.3 ppm <u>0.0.0.1</u> 0.6 ppm 0.7 ppm 0.7 ppm	. wet
23–27', 0.4 ppm 0.6 ppm 0.6 ppm	White, coarse-very coarse SAND, some gravel, loose, mild naphthalene-like
	odor, wet
28–32', 0.0 ppm	Light brown, medium—coarse SAND, little gravel, loose, mild naphthalene— like odor, wet
	Page 1 of 2



Divirka and Bartilucci CONSULTING ENGINEERS ADMISION OF WILLIAM F. COSULCH ASSOCIATES, P.C. Location: Bay Shore/Brightwaters Purpose: Soil Boring Date(s): 04/04/02 - 04/04/02 Elevation: 20.10' Total Depth: 72.00' Elevation: Mean Sea Level Remarks: Samples selected for analysis at 10–12', 20–22', 50–52', and 70–72'. Logged By: Innocent Taziva Purpose: Soil Boring Drilling Method: Geoprobe Material Description (1) Total Depth: 72.00' (1) Total Depth: 72.00' Dirilling Method: Geoprobe Material Description (1) Total Depth: 70–72'. (2) Total Depth: 70–72'. (2) Dirilling Method: Geoprobe Contractor: Zebra Environmental Dirilling Method: Geoprobe (1) Total Depth: 70–72'. (2) Dirilling Method: Geoprobe (2) Dirilling Method: Geoprobe (2) Dirilling Method: Geoprobe (2) Dirilling Method: Geoprobe (3) Dirilling Method: Geoprobe (4) Dirilling Method: Geoprobe (2) Dirilling Method: Geoprobe (2) Dirilling Method: Geoprobe (2) <
Purpose: Soil Boring Purpose: Soil Boring Datum: Mean Sea Level Logged By: Innocent Taziva Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Soil Boring (Stress) Image: Boring (Stress)
ADIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C. Date(s): 04/04/02 - 04/04/02 Elevation: 20.10' Total Depth: 72.00' Datum: Mean Sea Level Elevation: 20.10' Logged By: Innocent Taziva So-52', and 70-72'. Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia:: 2.00in For analysis of the second se
Elevation: 20.10' Remarks: Samples selected for analysis at 10–12', 20–22', 50–52', and 70–72'. Datum: Mean Sea Level Borehole By: Innocent Taziva Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Selected for analysis at 10–12', 20–22', 50–52', and 70–72'. (1) Image: Selected for analysis at 10–12', 20–22', 50–52', and 70–72'.
Datum: Mean Sea Level Remarks: Samples selected for analysis at 10–12', 20–22', 50–52', and 70–72'. Logged By: Innocent Taziva Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia.: 2.00in (t) Image: Sample selected for analysis at 10–12', 20–22', 50–52', and 70–72'. (t) Image: Sample selected for analysis at 10–12', 20–22', 50–52', and 70–72'. Material Description Sample selected for analysis at 10–12', 20–22', 50–52', and 70–72'.
Logged By: Innocent Taziva Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia.: 2.00in (t)
Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia.: 2.00in Material Description
Contractor: Zebra Environmental Borehole Dia.: 2.00in Image: A contractor in the second se
Borehole Dia.: 2.00in Hote Dia.: 2.00in Hote Dia.: 2.00in Hote Dia.: 2.00in Hote Dia.: 2.00in Hote Dia.: 2.00in Material Description
Depth (ft) Craphic Log Graphic Log PID Material Description
0-4' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm
0.0 ppm ····· Brown, coarse SAND, some gravel, loose, moist
4-8' 4-8' 4-8' 4-8' 4-8' 0.0 ppm 0.0 ppm
- 0.0 ppm
20 ppm strong naphthalene—like odor, solvent—like odor, wet
10 - 30 ppm [.o. 10] 14 ppm [.o. 10] 6.0 ppm [.o. 10]
12-16, 4.2 ppm 5.6 ppm
discoloration, organic (H2S-like) odor
16-20, 0.6 ppm Gray-black, coarse SAND, some fine gravel, loose, organic (H2S-like)
_ 1.1 ppm odor, wet 1.3 ppm
20-24, 11.0 ppm 20-24, Light brown, medium SAND, trace gravel, loose, 4" tar lens at 20.5'
20-24, 11.0 ppm Light brown, medium SAND, trace gravel, loose, 4" tar lens at 20.5' 4.5 ppm
24-28, 0.0 ppm 24-22, 0.0 ppm 24-22 Brown, coarse SAND, some gravel, loose, slight-moderate naphthalene- 1 like odor, wet
- 0.0 ppm · · · · · · · · · · · · · · · · · ·
28-32, 0.0 ppm
0.0 ppm 0.1 o Page 1 of 3

Location: Bay Shore/Brightwaters		Site Id: BBSB-88		
Purpose: Soil Boring		Total Depth: 72.00'		
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID		Material Description		
- - - - - - - - - - - - - - - - - - -		D, little gravel, loose, mild naphthalene—like odor, wet arse SAND, little gravel, loose, mild naphthalene—like t		
36-40', 0.0 ppm	Same as above			
40-44', 0.5 ppm - 40-44', 0.5 ppm 0.5 ppm 0.4 ppm 0.3 ppm 0.3 ppm 0.2 ppm 0.0 ppm 0.0 ppm	staining	arse SAND, trace gravel, loose, 1" lens of orange brown at 42.5', moderate naphthalene—like odor, wet		
44-48' 44-48' 4.2 ppm · · · · · · · · · · · · · · · · · ·	odor, we	Light brown, medium SAND, trace gravel, loose, moderate naphthalene—like odor, wet		
48-52', 0.0 ppm · · · 0.0 ppm · · · 5.5 ppm · · · 2.1 ppm · · 7.6 ppm · · · 4.2 ppm · ·	Brown, medium SAI	ND, well sorted, loose, moderate naphthalene—like odor,		
52-56' 6.7 ppm 6.7 ppm 5.4 ppm 6.2 ppm 6.2 ppm 6.2 ppm	Brown, medium SAI	ND, loose, moderate naphthalene—like odor, wet		
56-60', 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above, w	ell sorted, mild naphthalene—like odor		
60−64 ['] 60−64 ['] 0.0 ppm 0.0 ppm	Same as above			
64-68' 0.0 ppm · · · · · · · · · · · · · · · · · ·	· o	ND, micaceous, well sorted, slightly dense, mild— naphthalene—like odor, wet		
68–72' 6 ppm 7 ppm 2.1 ppm 22.1 ppm 22.1 ppm	•	medium SAND (68—71.5'), slightly dense, moderate— aphthalene—like odor, wet		
		Page 2 of 3		

Purpose: Soil Boring Total Depth: 72.00' Consulting Firm: Diviso & Bortilucci Brende Dia: 2.00in Image: Soil Boring Firm: Diviso & Bortilucci Material Description Image: Soil Boring Firm: Diviso & Bortilucci Rounded CRAVEL, gray clay, some sit, to dk gray CLAY, saturated with brown tar, tar staining, strong nephthalene—like odor Image: Soil Boring Firm: Diviso & Bortilucci Rounded CRAVEL, gray clay, some sit, to dk gray CLAY, saturated with brown tar, tar staining, strong nephthalene—like odor Image: Soil Boring Firm: Diviso Firming Firm: Diviso Firming Firm: Diviso Firming Firm: Diviso Firming Firmin	Location: Bay Shore/Brightwaters	Site Id: BBSB-88
Consulting Firm: Drive & Barthucci Borehole Dia: 2.00in Image: State of the s	Purpose: Soil Boring	Total Depth: 72.00'
Image: Second	Consulting Firm: Dvirka & Bartilucci	
18 ppm		
Base of boring - 72 ft.		
		Rounded GRAVEL, gray clay, some silt, to dk gray CLAY, saturated with brown tar, tar staining, strong naphthalene-like odor Base of boring - 72 ft.

	Site Id: BBSB-89
Dvirka and	Location: Bay Shore/Brightwaters
	Purpose: Soil Boring
ADIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.	
	Total Depth: 76.00'
Elevation: 21.77'	Remarks: Samples selected for analysis at 10-12', 12-14',
Datum: Mean Sea Level	25-27', 46-48', and 70-72'.
Logged By: Innocent Taziva Drilling Method: Geoprobe	
Contractor: Zebra Environmental	
Borehole Dia.: 2.00in	
Depth (ft) Recovery Sample Interval PID Graphic Log	
Depth (ft) Recovery Sample Inter PID Craphic Log	Material Description
0-4' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	TOPSOIL, grass, to brown, fine SAND, some clay, some silt, trace
	gravel, moist coarse SAND, some gravel, loose, moist
	as above, light brown, wet
5	
- 0.0 ppm · · · · · 0.0 ppm · · · · · · 0.0 ppm · · · · · ·	
0.0 ppm	coarse SAND, some gravel, loose, shiny luster in sand, moderate-
	strong hydrocarbon—like odor (10—12'), wet
0.0 ppm	
12-16 2.6 ppm	coarse-very coarse SAND, some fine gravel, loose, patches of minor
2./ ppm 2.1 ppm 2.1 ppm	pale green staining, strong odor — possibly hydrocarbon—like, wet
15-	
16-20' 0.0 ppm Gray/v	white, coarse SAND and GRAVEL, loose, moderate hydrocarbon—like odor, wet
20-24' 0.6 ppm <u>3 0 3 0</u> Brown, 0.7 ppm <u>5 0 3 0</u> 0.8 ppm <u>5 0 3 0</u> 0.9 ppm <u>5 0 3 0</u>	coarse SAND, some gravel, loose, moderate hydrocarbon—like odor, wet
0.4 ppm 0.7 ppm 0.4 ppm 0.4 ppm	
	energe SAND trace gravel lease moderate paphthelene like oder
24-28 0.0 ppm 29 24-28 0.0 ppm 24-28 0.0 ppm 24-28 0.0 ppm 24-28 0.0 ppm 29 24-28 0.0 ppm 24-28 0.0 p	coarse SAND, trace gravel, loose, moderate naphthalene—like odor, wet
25 — 0.0 ppm · · · · · · · · · · · · · · · · · ·	
	as above
28-32' 1.3 ppm	
	Page 1 of 3

Loca	Location: Bay Shore/Brightwaters			Site Id: BBSB-89			
Purp	Purpose: Soil Boring			Total Depth: 76.00'			
Cons	Consulting Firm: Dvirka & Bartilucci			ci		Borehole Dia.: 2.00in	
Depth (ft)	Recovery	Sample Interval	DID	Graphic Log		Material Description	
		32–36'	1.2 ppm 1.8 ppm 2.8 ppm 3.2 ppm 3.1 ppm	0 0 0	Brown, medium-coo), trace gravel, loose, mod naphthalene—like odor, wet arse SAND, trace fine gravel, loose, moderate ne—like odor, wet	
35 -		36–40'	3.1 ppm 2.9 ppm 4.5 ppm 4.2 ppm 7.3 ppm 6.9 ppm 4.2 ppm	0 0 0 0	Same as above, trace gravel		
40 -	-	40-44'	1.6 ppm 0.4 ppm 0.6 ppm 1.4 ppm 0.8 ppm 1.8 ppm 1.1 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, coarse SAND, little gravel, loose, moderate naphthalene—like odor, wet		
45 -	-	44–48'	5.1 ppm pppm pppm pppm pppm pppm 5.5 4 pppm pppm 7.9 pppm 7.9 ppm 10.3 ppm	0 0	Brown, medium—coarse SAND, loose, mottled orange brown staining, moderate naphthalene—like odor, wet		
50 -	- - -	48–52'	3.1 ppm 2.7 ppm 3.6 ppm 6.7 ppm 8.2 ppm 8.2 ppm 8.2 ppm 6.4 ppm	0 0	wet	ID, well sorted, loose, moderate naphthalene—like odor,	
55 -	- - -	52–56'	3.1 ppm pppm ppppm pppm pppm pppm 3.2.5 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9	0 0 0	Brown, medium SAND, loose, moderate naphthalene—like odor, wet		
	-	56–60'	0.5 ppm 0.0 ppm 0.5 ppm 0.5 ppm 0.6 ppm 0.3 ppm 0.8 ppm	0 0 0 0	Same as above		
60 -		60–64'	0.6 ppm 0.5 ppm 0.7 ppm 0.8 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Same as above, no	odor	
65 ·		64–68'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, medium SAN staining,	ID, well sorted, loose, slight mottled orange brown wet	
	-	68–70 '	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, medium SAN	ID, dense, wet Page 2 of 3	
						i uye z or 5	

Location: Bay Shore/Brightwaters	Site Id: BBSB-89
Purpose: Soil Boring	Total Depth: 76.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description
70-72' 16 ppm Gray 18 ppm Gray 72-76' 0.0 ppm Gray 0.0 ppm Gray 0.0 ppm Gray 0.0 ppm Gray 0.0 ppm Gray 0.0 ppm Gray 0.0 ppm Gray	r, fine SAND, little gravel, slightly dense, moderate-strong naphthalene-like odor, wet r-black, CLAY, little silt, slightly dense-loose, clay is soft, wet r, silty SAND, micaceous, loose, wet e of boring - 76 ft.
	Page 3 of 3

					Site Id: BBSB-90		
				virka		Location: Bay Shore/Brightwaters	
			()	nd artiluo	cci	Purpose: Soil Boring	
	A	DIVISION C		NSULTING EI DSULICH ASSO		Date(s): 04/08/02 - 04/09/02	
		~				Total Depth: 74.00'	
	ion: 20.8		1			Remarks: Samples selected for analysis at 8-10', 12-	14',
	n: Mean S					48-50', and 72-74'.	
	d By: Inr						
<u> </u>	g Method		ronmental			-	
	ole Dia.:		onnentu				
Doren							
		Sample Interval		bo-			
Depth (ft)	Recovery	l alqr		Graphic Log		Material Description	
Dep	I I		PID	Graj			
-)-4'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		ASPHALT (0–.5')		
-			0.0 ppm 0.0 ppm			m sandy FILL, some clay, little silt, trace grave ace ash and cinders, moist	əl,
		4–8'	0.0 ppm			sandy FILL, some gravel, trace brick debris,	
5-		ŦŪ	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 24.1 ppm		loose, m		' \
-			24.1 ppm	· · · · · · · · · · · · · · · · · · ·		m SAND, little silt, trace clay, moist (wet at 7 e SAND and GRAVEL with gray staining, sheen	•
-		3-12'	46 ppm 83 ppm	0.0.0	-	oon-like odor	
30 ppm · · · · · · Gray, coarse SAND 16 ppm · · · · · Gray, coarse SAND 16 ppm · · · · · staining,			· · · · ·	staining,	, some gravel, loose, saturated with NAPL, gra yellowish staining on gloves, sheen, strong	у	
-				0 0		'petroleum—like odor, wet rse SAND, little gravel, loose, gray discoloratior	
		12–16'	2.6 ppm 2.7 ppm 2.4 ppm			moderate hydrocarbon—like odor, wet	1/
-			2.6 ppm 2.7 ppm 2.4 ppm 2.1 ppm 0.9 ppm 0.8 ppm	· · · · · ·			
15 -				• • • • • • • • • • • • • • • • • • •	Same as above, co	oarse, some gravel, slight hydrocarbon—like odd	or
		16–20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· 0 · 0		coarse SAND, some gravel, loose, wet	
-			0.0 ppm 0.0 ppm	o o			
20		0.04'	0.0 ppm 0.0 ppm	· · · · · ·	Same as above, m	ild hydrocarbon—like odor	
-		20–24'	0.0 ppm	· · · · ·			
-			0.0 ppm 0.0 ppm 0.0 ppm	0 0			
		24–28'			Same as above		
25 —		27-20	0.0 ppm	• •			
			0.0 ppm 0.0 ppm 0.0 ppm	0 0			
-		28–32'	0.0 ppm 0.0 ppm 0.0 ppm	· • · • •	Same as above		
-			0.0 ppm 0.0 ppm	o o			
						Pag	e 1 of 3

Location: Bay Shore/Brightwaters			Site Id: BBSB-90		
Purpose: Soil Boring	Purpose: Soil Boring		Total Depth: 74.00'		
Consulting Firm: Dvirka &	: Bartilucci		Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval	PID Graphic Log		Material Description		
0.	.0 ppm		arse SAND, some gravel, loose, mild hydrocarbon—		
32-36' 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	0 ppm 0 0 0 ppm 0 0	like odor, Same as above, no Brown, medium SAN	odor		
		Brown, medium-coo	arse SAND, trace gravel, loose, wet		
36-40' 0: 0: 0: 0: 0: 0:	0 ppm 0 ppm 0 ppm 0 ppm 0 ppm 0 ppm				
	0 ppm 0 o o	Same as above			
44-48' 0.	0 ppm 0 ppm	. Same as above			
48-52' 0. 48-52' 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0 ppm o o 0 ppm o o 0 ppm o o 0 ppm o	Brown, medium SAN	ND, well sorted, loose, wet		
- 52-56' 0: - - - -	.0 ppm	Same as above			
56-60' 0. 	· · · · · · · ·	Same as above			
60-64'	0 0	No recovery — sam	iple washed out		
64-66' 0. 65-	.0 ppm .0 ppm o o .0 ppm o o	Brown, medium SAN	ND, well sorted, slightly dense, wet		
66-68'0.	.0 ppm .0 ppm o o .0 ppm	Brown, medium SAN discolorat	ID, slightly dense, some mottled orange brown ion, wet		
	$0 \text{ bbm} \mid \cdot \cdot \cdot \cdot \cdot \cdot \cdot \mid$		arse SAND, slightly dense, wet		
			Page 2 of	3	

Purpose: Soil Boring Total Depth: 74.0° Consulting Firm: Device & Bortilucci Interfail Depth: 74.0° Image: Soil Boring Firm: Device & Bortilucci Interfail Depth: 74.0° Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Description Image: Soil Boring Firm: Device & Bortilucci Interfail Device & Bortilucci Image: Soil Boring Firm: Device & Bortilucci Interfail Device & Bortilucci	Locati	Location: Bay Shore/Brightwaters		Site Id: BBSB-90						
Consulting Firm: Drive & Bartlucci Borehole Dia: 2.00in TO = 72 OB BERT TO = 72 TO = 72 TO = 72 TO = 72 OB BERT TO = 72 TO = 74 TO = 74 <th colspan="2" to="74</th</td"><td>Purpo</td><td colspan="3">Purpose: Soil Boring</td><td></td><td></td><td>Total Depth: 74 00'</td><td></td></th>	<td>Purpo</td> <td colspan="3">Purpose: Soil Boring</td> <td></td> <td></td> <td>Total Depth: 74 00'</td> <td></td>		Purpo	Purpose: Soil Boring					Total Depth: 74 00'	
Image: Second	Consu	Consulting Firm: Dvirka & Bartilucci			cci					
70-72 00 ppm 00 ppm 72-74* 90 ppm 00 ppm 100 ppm 100 ppm 100 ppm Brown, medium-coorse SAND, slightly dense, wet Brown, coarse SAND and GRAVEL, dense, wet Gray, CLAY, some slit, dense, wet Base of boring – 74 ft. 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 8- - - - 9- - - - 10- - - - 11- - - - 11- - - - 11- - -										
Base of boring - 74 ft.	Depth (ft)	Recovery					Material Description			
				0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, coarse SANI Gray, CLAY, some s Gray, silty SAND, d	D and GRAVEL, dense, wet silt, dense, wet ense, wet	Page 3 of 3		

							Site Id: BBSB-91		
			\mathbb{L}		virka		Location: Bay Shore/Brightwaters		
			Ć))B	nd artiluo	cci	Purpose: Soil Boring		
	ADIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.						Date(s): 04/09/02 - 04/09/02		
							Total Depth: 24.00'		
	ion: 21.9						Remarks: Samples selected for analysis at 10-12' and		
	n: Mean S						22-24'.		
	d By: Inn								
	g Method								
	actor: Zet		ronme	ental					
Boreh	ole Dia.:	2.00in	1			1			
Depth (ft)	Depth (ft) Recovery Sample Interval Graphic Log				Graphic Log		Material Description		
-)—4'	0.0 0.0 0.0 0.0 0.0	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	·	Brown, fine sandy	race cinders, trace brick debris FILL, some silt and clay, trace gravel, trace brick pose, moist		
	4	1–8'		833333335 833333335 83333333	0 0 0	Brown, coarse SAN	D, some gravel, loose, moist		
- - 10 —	3	3–12'	0.0000000000000000000000000000000000000		0 0	Brown/tan, coarse SAND, some gravel, loose, gray-black staining from 9-12' (not pervasive), hydrocarbon-like odor, wet			
- - - 15	1	12-16'	$\begin{array}{c} 0.0\\ 0.0\\ 11.0\\ 10.7\\ 9.8\\ 0.0\\ 0.0\\ 0.0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0$		0 0 0	Brown, coarse SAN	D, some gravel, loose, wet		
-	1	16-20'	$\begin{array}{c} 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0$		0 0	Same as above			
20	2	20–24'	$\begin{array}{c} 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0$		0 0 0 0	Same as above			
- 25 - - - -	Base of boring — 24 ft.								
	<u> </u>					1	Page 1 of 1		

		Site Id: BBSB-92
Dvirka and		Location: Bay Shore/Brightwaters
Bartiluo		Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 04/09/02 - 04/09/02
		Total Depth: 24.00'
Elevation: 22.52' Datum: Mean Sea Level		Remarks: Samples selected for analysis at 8-10' and
Logged By: William J. Ryan		20-22'.
Drilling Method: Geoprobe		
Contractor: Zebra Environmental		
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Graphic Log		Material Description
0-4' 0.0 ppm 0.0 ppm 0	Light orange brown moist, to gravel, lo Light brown, fine-r dry-wet Light brown, mediu staining wet Light brown, fine-r Same as above	nedium-coarse SAND w/fine gravel, loose, at 6' m-coarse SAND w/fine gravel, loose, grayish black with strong hydrocarbon-like odor from 8.5-9.5', medium-coarse SAND w/fine-coarse gravel, loose, wet barse sand and fine-coarse gravel lens at 21.1' 24 ft.
		Page 1 of 1

			Site Id: BBSB-93	
	Dvirka and		Location: Bay Shore/Brightwaters	
	Bartilu		Purpose: Soil Boring	
A DIVISION OF WILLIAM F.	ONSULTING E		Date(s): 04/10/02 - 04/10/02	
Elevetices 22.58'			Total Depth: 24.00'	
Elevation: 22.58' Datum: Mean Sea Level			Remarks: Samples selected for analysis at 6-8' and 18-20'.	
Logged By: Innocent Taziva				
Drilling Method: Geoprobe				
Contractor: Zebra Environmental				
Borehole Dia.: 2.00in				
Depth (ft) Recovery PID PID PID PID	Graphic Log		Material Description	
0-4' 0.0 ppr 0.0 ppr 0.0 ppr	.0.0.0.0		ILL, trace brick debris, ash and cinders D and GRAVEL, moist	
4-8' 5- 4-8' 0.0 ppr 216 ppr 216 ppr 274 ppr 8.3 ppr 0.0 ppr		Brown/whitish, coa from 6— strong po	ND and GRAVEL, moist arse SAND, some gravel, loose, gray-black staining -7.5', gray staining from 5-7.5', shiny luster, very betroleum/gasoline-like odor, moist (wet at 6') ND, some gravel, loose, moist	
			Page 1 of 1	

Divide Oracle Construction Constructing Construction Construction Construction Construction						Site Id: BBSB-94	
Description Purpose: Soll Boring Elevetion: 21.68" Data:::::::::::::::::::::::::::::::::::						Location: Bay Shore/Brightwaters	
ADMISIN OF WILLAWF COSLUC MASSICATES PC. Dath(s): 04/10/02 - 04/10/02 Elevation: 21.68' Table Depth: 24.00' Datum: Mean Sea Level 10-12' and Logged By: Innocent Tuziva Diffing Method: Geoprobe Cantractor: Zebra Environmental Base of boring - 24 ft.				artilu	cci		
Election: 21.65° Remarks: Samples selected for analysis at 10–12' and 18–20'. Lagged By: Innocent Taziva Remarks: Samples selected for analysis at 10–12' and 18–20'. Drilling Method: Geoprobe Contractor: Zetra Environmental Borehol: Dia: 2.00in Big Image: Selected Dia: 2.00in Image: Selected Dia: 2.00in		A DIVISION C					
Dotum: Mean See Level Remarks: Samples selected for analysis at 10–12' and 18–20'. Logged By: Innocent Taziva Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Borehole Dia: 2.00in Grag 0-4 0.0 ppm 10,7 ppm 11,5 ppm 10,7 ppm 11,5 ppm 12,4 ppm 12,4 ppm 12,4 ppm 12,4 ppm 12,4 ppm 12,4 ppm 14-B' Grag 0-4 0.0 ppm 10,7 ppm 11,5 ppm 12,4 ppm 14,4						Total Depth: 24.00'	
Logged By: Innocent Taziva Driling Method: Geoprobe Contractor: Zebra Environmental Barehole Dia: 2.00in Image: Dia: 2.00in							
Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Second						18–20'.	
Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Second Seco						-	
Borehole Dia: 2.00in Borehole Dia: 2.00in						-	
(1) (ronmental			-	
0-4' 0.0 ppm 0.0 ppm 0.0 ppm 13 ppm 13 ppm Black-gray, FILL, fine sand, silt, ash/cinders, debris Brown, fine sandy FILL, some silt and clay, trace brick debris, loose, moist 8-12' 10.7 ppm 13 ppm Black-gray, FILL, fine sand, silt, ash/cinders, debris 8-12' 6.1 ppm 50 ppm Gray, coarse SAND, some gravel, loose, gray-black staining throughout, staining is heavy from 5-5.5', strong petroleum/gasoline-like odor, moist 8-12' 6.1 ppm 50 ppm Gray, coarse SAND, some gravel, loose, heavy gray-black staining from 9-10.5', shiny luster, strong petroleum/gasoline-like odor, moist-wet 12-16' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 9 16-20' 0.0 ppm 9 0.0 ppm 0.0 ppm 9 0.0 ppm 0.0 ppm 9 16-20' 0.0 ppm 9 0.0 ppm 9 9 16-20' 0.0 ppm 9 0.0 ppm 9 9 0.0 ppm 9 9 0.0 ppm 9 9	Boreno						
0-4' 0.0 ppm 0.0 ppm 0.0 ppm 13 ppm 13 ppm Black-gray, FILL, fine sand, silt, ash/cinders, debris Brown, fine sandy FILL, some silt and clay, trace brick debris, loose, moist 8-12' 10.7 ppm 13 ppm Black-gray, FILL, fine sand, silt, ash/cinders, debris 8-12' 6.1 ppm 50 ppm Gray, coarse SAND, some gravel, loose, gray-black staining throughout, staining is heavy from 5-5.5', strong petroleum/gasoline-like odor, moist 8-12' 6.1 ppm 50 ppm Gray, coarse SAND, some gravel, loose, heavy gray-black staining from 9-10.5', shiny luster, strong petroleum/gasoline-like odor, moist-wet 12-16' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 9 16-20' 0.0 ppm 9 0.0 ppm 0.0 ppm 9 0.0 ppm 0.0 ppm 9 16-20' 0.0 ppm 9 0.0 ppm 9 9 16-20' 0.0 ppm 9 0.0 ppm 9 9 0.0 ppm 9 9 0.0 ppm 9 9		ntervo		60-			
0-4' 0.0 ppm 0.0 ppm 0.0 ppm 13 ppm 13 ppm Black-gray, FILL, fine sand, silt, ash/cinders, debris Brown, fine sandy FILL, some silt and clay, trace brick debris, loose, moist 8-12' 10.7 ppm 13 ppm Black-gray, FILL, fine sand, silt, ash/cinders, debris 8-12' 6.1 ppm 50 ppm Gray, coarse SAND, some gravel, loose, gray-black staining throughout, staining is heavy from 5-5.5', strong petroleum/gasoline-like odor, moist 8-12' 6.1 ppm 50 ppm Gray, coarse SAND, some gravel, loose, heavy gray-black staining from 9-10.5', shiny luster, strong petroleum/gasoline-like odor, moist-wet 12-16' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 9 16-20' 0.0 ppm 9 0.0 ppm 0.0 ppm 9 0.0 ppm 0.0 ppm 9 16-20' 0.0 ppm 9 0.0 ppm 9 9 16-20' 0.0 ppm 9 0.0 ppm 9 9 0.0 ppm 9 9 0.0 ppm 9 9	th (ft	overy		ohic I		Material Description	
 a a back-gray, FILL, fine sand, silt, ash/cinders, debris b a back-gray, FILL, fine sand, silt, ash/cinders, debris b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, fill, fine sandy FILL, some silt and clay, trace brick debris, loose, moist b a back-gray, FILL, some silt and clay, trace brick debris, loose, moist c a back-gray, fill, some silt and clay, trace brick debris, loose, moist c a back-gray, fill, some silt and clay, trace brick debris, loose, moist c a back-gray, fill, some silt and clay, trace brick debris, loose, moist c a back-gray, fill, some silt and clay, trace brick debris, loose, moist c a back-gray, fill, some silt and clay, trace brick debris, loose, moist c a back-gray, fill, some sit and clay, trace brick debris, loose, moist c a back-gray, fill, some sit and clay, trace brick debris, loose, moist c a back-gray, back debris, loose, and back-gray, back debris, loose, moist c a back-gray, back debris, loose, some gray-black debris, loose, some gray-black debris, loose, some gray-black debris, loose, some g	Dep			Graj			
 a definition of the second s	-	0-4'	0.0 ppm 0.0 ppm				
4-8' 4-8'	-		0.0 ppm				
8-12' 61 ppm o <tdo< td=""><td></td><td></td><td>10.7 ppm</td><td></td><td></td><td>ND, some gravel, loose, gray-black staining throughout,</td></tdo<>			10.7 ppm			ND, some gravel, loose, gray-black staining throughout,	
8-12' 61 ppm ppm 0 <t< td=""><td>5 —</td><td>4-0</td><td>6.7 ppm 113 ppm</td><td></td><td>-</td><td colspan="2"></td></t<>	5 —	4-0	6.7 ppm 113 ppm		-		
8-12 135 ppm 393 ppm 34 pp				· · · · · · · · · · · · · · · · · · ·	odor, mo	bist	
12-16' $12-16'$ $12-16'$ $12-16'$ $12-16'$ $12-16'$ $16-20'$ $0.0 ppm$ 0		8-12'	6.1 ppm				
N 54 ppm	-		l'àgà bhu	· · · · ·		et	
$12-16 \begin{array}{c} 0.0 \text{ppm} \\ 0.0 $	10		54 ppm				
Same as above 16-20' $0.0 ppm$ 0.0	-	12–16'	0.0 ppm 0.0 ppm	0 0	Brown, coarse SAN		
Same as above 16-20' $0.0 ppm$ 0.0	-		0.0 ppm	· · · ·			
16-20 $0.0 ppm$ 0.0	15 —		0.0 ppm	· · ·			
20-24' 0.0 ppm 0.0 p		16–20'	0.0 ppm 0.0 ppm	· · · · ·	Same as above		
20-24' 0.0 ppm 0.0 p			0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·			
20-24 0.0 ppm 0.0 pp	-						
1 1 1 1 1 1 1 1 1 1 2 1 1 1 1	20 —	20-24'	0.0 ppm		. Same as above		
1 1 1 1 1 1 1 1 1 1 2 1 1 1 1			0.0 ppm				
	-		0.0 ppm	· • • •	Page of boring	24 8	
	25 -			<u></u>	buse of borning -		
Page 1 of 1							
Page 1 of 1							
Page 1 of 1							
					1	Page 1 of 1	

_				Site Id: BBSB-95
		virka nd		Location: Bay Shore/Brightwaters
	()В	artilu		Purpose: Soil Boring
ADIVISION	OF WILLIAM F. C	ONSULTING EI OSULICH ASSO		Date(s): 04/16/02 - 04/16/02
				Total Depth: 24.00'
Elevation: 20.66' Datum: Mean Sea Lev				Remarks: Samples selected for analysis at 8-10' and
Logged By: Innocent				18–20'.
Drilling Method: Geopr				
Contractor: Zebra Env				
Borehole Dia.: 2.00in				
Depth (ft) Recovery Sample Interval	DIA	Graphic Log		Material Description
0-4' 0.0 ppm 0.0 0 ppm 0.0 0 ppm 0.0 0 ppm 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				illt, dense, to gray, coarse SAND, loose, slight gray-black moderate petroleum-like odor, wet SAND and GRAVEL, loose, slight gray discoloration from ight petroleum-like odor, wet ium-coarse SAND, little gravel, loose, organic (H2S-like) arse SAND, little gravel, loose, creamish discoloration, wet

		Site Id: BBSB-96	
Dvirka		Location: Bay Shore/Brightwaters	
and Bartilu	cci	Purpose: Soil Boring	
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 04/16/02 - 04/16/02	
		Total Depth: 24.00'	
Elevation: 20.94'		Remarks: Samples selected for analysis at 8-10' and	
Datum: Mean Sea Level		18–20'.	
Logged By: Innocent Taziva			
Drilling Method: Geoprobe			
Contractor: Zebra Environmental			
Borehole Dia.: 2.00in			
Depth (ft) Recovery Recovery PID PID Graphic Log		Material Description	
	FILL, black ash and		
	Brown, medium-co	arse sandy FILL, little gravel, little clay and silt, loose	
4-8' 0.0 ppm 5- 4-8' 0.0 ppm 0.0 ppm	FILL, medium—coar debris	se sand, gravel, silt, some clay, ash, cinders, brick	
	Brown, coarse SAN like odor	D and GRAVEL, little silt/clay, loose, strong petroleum— , wet silt, elastic, dense, slight hydrocarbon—like odor D and GRAVEL, loose, wet	
8−12' 34 ppm 66 ppm 230 ppm 10.6 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 0.0 0			
12-16' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		arse SAND, some gravel, loose, wet	
0.0 ppm			
16−20' 0.0 ppm 16−20' 0.0 ppm 0.0 ppm	creamish	, medium—coarse SAND, little gravel, loose, minor discoloration, wet	
20-24' 0.0 ppm 0.0 ppm	Same as above		
	Base of boring —	24 ft.	
	I	Page 1 of 1	

					Site Id: BBSB-97		
			virka nd		Location: Bay Shore/Brightwaters		
)B	artilu	cci	Purpose: Soil Boring		
	ADIVISION	DF WILLIAM F. C	NSULTING EI DSULICH ASSO		Date(s): 04/18/02 - 04/18/02		
					Total Depth: 24.00'		
<u> </u>	tion: 22.34'				Remarks: Samples selected for analysis at 8-10' and		
	n: Mean Sea Lev				22–24'.		
	ed By: Innocent 1						
	g Method: Geopro actor: Zebra Env				-		
<u> </u>	ole Dia.: 2.00in	ronnentui					
Doren							
	ntervo		Cog				
Depth (ft)	Recovery Sample Interval	PID Graphic Log			Material Description		
Dep		DIA	Gra				
	0-4'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			f cinders (0-1'), to brown, fine-med sandy FILL, little		
· ·		0.0 ppm 0.0 ppm	· . · .	silt and clay, trace gravel, trace brick debris, loose, dry Brown, coarse SAND, some gravel			
	4-8'	0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, coarse SAND, some gravel, loose, wet			
5		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · ·				
		0.0 ppm 0.0 ppm	· · · · ·				
	8-12'	8.0 ppm			SAND, some gravel, loose, moderate gray-black staining,		
10		8.0 ppm 11 ppm 7.0 ppm 5.0 ppm 3.0 ppm	· · · · · · · · · · · · · · · · · · ·	moderate	e hydrocarbon—like odor, wet		
					D, some gravel, loose, wet		
·	12–16	0.0 ppm 0.0 ppm		Brown, coarse SANE			
		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· o · o				
15 -			o o	Sama as shows			
	16–20	0.0 ppm 0.0 ppm 0.0 ppm	· · · ·	Same as above			
		0.0 ppm	· · ·				
20		1		Same as above			
20 -	20-24	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·				
		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm					
			· · · · · ·	Base of boring — 2	24 ft.		
25							
·							
.							
	· · · · ·	·	·	·	Page 1 of 1		

	_				Site Id: BBSB-98	
			virka nd		Location: Bay Shore/Brightwaters	
		(́ ́ ́ ́) B	artilu	cci	Purpose: Soil Boring	
	ADIVISION	OF WILLIAM F. C	ONSULTING EI		Date(s): 04/18/02 - 04/18/02	
					Total Depth: 24.00'	
	ion: 21.53'				Remarks: Samples selected for analysis at 8-10' and	
	n: Mean Sea Lev				22–24'.	
	ed By: Innocent					
	g Method: Geopr actor: Zebra Env				-	
	ole Dia.: 2.00in	ronmentui			-	
Doren						
	ntervo		bo-			
Depth (ft)	Depth (ft) Recovery PID Graphic Log				Material Description	
Dept		DID	Grap			
	0-4'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown, fine s	andy FILL, some silt, trace gravel, trace brick debris	
		0.0 ppm 0.0 ppm		Brown, coarse SAN		
			· · · · ·		D, some gravel, loose, gray staining/discoloration from strong hydrocarbon/petroleum—like odor, wet at 7'	
5	4–8'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 107 ppm	o o	6.5-7', s		
		0.0 ppm 107 ppm	· · · · · · · · · · · · · · · · · · ·			
	8-12'	46 ppm	·····	Gray—black, mediur	n-coarse SAND, little gravel, loose, gray-black staining,	
	0-12	46 ppm 56 ppm 22 ppm 24 ppm 19.5 ppm 38 ppm	0 0	shiny lus	ter, strong petroleum—like odor, wet	
10 -		19.5 ' pm 38 ppm				
	12-16	, 0.0 ppm	0 0	Brown, coarse SAN	D and GRAVEL, loose, wet	
		, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0.0			
15		0.0 ppm	0.0.0			
	16-20	, 0.0 ppm	0.0.0	Brown, coarse SAN	D, some gravel, loose, wet	
		0.0 ppm				
		0.0 ppm 0.0 ppm 0.0 ppm	· · · · ·			
20	20-24	, 0.0 ppm	· • · • · • ·	Same as above		
		, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0			
		0.0 ppm	· · · · ·			
				Base of boring —	24 ft.	
25 —						
·						
· ·	1					
					Page 1 of 1	

	Site Id: BBSB-99		
Dvirka	Location: Bay Shore/Brightwaters	Location: Bay Shore/Brightwaters	
and Bartilu			
A DIVISION OF WILLIAM F. COSULICH ASSO			
	Total Depth: 24.00'		
Elevation: 21.78'	Remarks: Samples selected for analysis	at 8-10' and	
Datum: Mean Sea Level	22–24'.		
Logged By: Innocent Taziva			
Drilling Method: Geoprobe Contractor: Zebra Environmental			
Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description		
Depth (ft Recovery Sample Ir PID Craphic L			
0-4' 0.0 ppm 0.0 ppm 0	 Brown-dark brown, fine-medium sandy FILL, some s gravel, trace concrete and brick debris, lo Brown, coarse SAND, some gravel, loose, dry/moist Brown, coarse SAND, some gravel, loose, slight gray moist Gray-black, coarse SAND, some gravel, loose, slight staining, mild hydrocarbon-like odor, wet Brown, coarse SAND, some gravel, loose, wet Same as above Same as above Base of boring - 24 ft. 	oose, moist v staining at 7', gray-black	
		Page 1 of 1	

						Site Id: BBSB-100	
				virka nd		Location: Bay Shore/Brightwaters	
	((artilu		Purpose: Soil Boring	
		ADIVISION	OF WILLIAM F. C	ONSULTING E		Date(s): 04/18/02 - 04/18/02	
F lowet	· 00	4.4.7				Total Depth: 10.00'	
	ion: 22.	Sea Lev	al			Remarks: Sample selected for analysis at 8-10'.	
		nocent 1				Driller encountered refusal at 10'. Driller tried four other locations and encountered refusal at	
	-	d: Geopro				all of them.	
			ironmental				
		: 2.00in					
Doren							
(£)	2	Sample Interval		Fog		Material Description	
Depth (ft)	Recovery	ample	DIA	Graphic Log		Material Description	
ă	R	ഗ് 0–4'		Ū			
			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			m sandy FILL, trace gravel, little silt and clay, icrete and brick debris ID, some gravel, loose, gray—black staining from wet	
-			0.0 ppm 0.0 ppm 0.0 ppm				
-		4–8'	100 bbm	· · · · ·	Brown, coarse SAN 6.5-7', v		
- c			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 49.7 ppm	0 0			
-							
		8–10'	6.1 ppm 16.2 ppm 5.8 ppm 6.2 ppm	0000		VEL, little coarse sand, minor gray—black staining, ed odor (not hydrocarbon—like), wet	
10			6.2 þþm	1.0.°0.0.°0 L'al al al a	Base of boring —		
-							
-							
15 —							
-							
-							
20							
-							
-							
-							
25 —							
-							
-							
						Page 1 of 1	

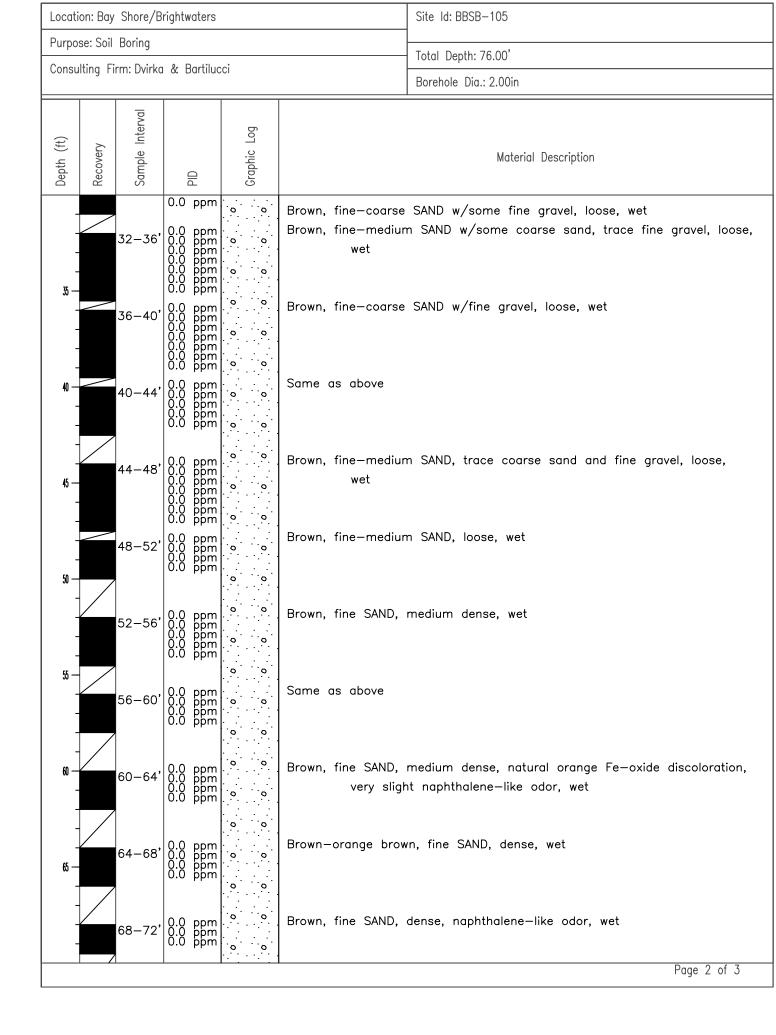
		Site Id: BBSB-101
Dvirka and		Location: Bay Shore/Brightwaters
		Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 04/18/02 - 04/18/02
		Total Depth: 24.00'
Elevation: 21.97'		Remarks: Samples selected for analysis from 10-12' and
Datum: Mean Sea Level		22–24'.
Logged By: Innocent Taziva Drilling Method: Geoprobe		
Contractor: Zebra Environmental		
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Graphic Log		Material Description
Depth (ft) Recovery Sample Inter PID Graphic Log		Material Description
0-4' 0.0 ppm 0.0 ppm 0.0 ppm - 0.0 ppm - 0.0 ppm - 0.0 ppm - 0.0 ppm		arse sandy FILL, some gravel, little clay and silt, some
- 0.0 ppm 0.0 ppm	black ash	and cinders, brick debris
	Gray, fine-medium	sandy FILL, coarse gravel, some angular concrete debris,
4-8' 0.0 ppm 5- 4-8' 0.0 ppm 0.0 ppm	little ash Brown, coarse SANI	
	Brown, course SANL	, some graver
8-12' 0.0 ppm) and GRAVEL, little silt, trace clay, loose, gray-black
8−12' 0.0 ppm 0.0 ppm 46 ppm 150 ppm 0.0 0.0 c 0.0 c 0.0 ppm 0.0 c 0.0		rom 10.5—11.5', strong petroleum/hydrocarbon—like ny luster on sands, wet
564_ppm0_0_0_0		
12–16' 0.0 ppm	Brown, coarse SAN[), some gravel, loose, wet
12-16' 0.0 ppm 3.0 3.0 0.0 ppm		
15-		
16–20' 0.0 ppm	Brown, coarse SAN[), some gravel
16-20' 0.0 ppm · · · · · · 0.0 ppm · · · · · ·		
20-24 ['] 0.0 ppm 20-24	Same as above	
20-24' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		
	Base of boring — 2	24 #
		21 10
		Page 1 of 1

		Site Id: BBSB-102
Dvirka and		Location: Bay Shore/Brightwaters
		Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 04/18/02 - 04/18/02
		Total Depth: 24.00'
Elevation: 21.23'		Remarks: Samples selected for analysis from 9-11' and
Datum: Mean Sea Level		22–24'.
Logged By: Innocent Taziva		-
Drilling Method: Geoprobe Contractor: Zebra Environmental		
		-
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Graphic Log		Material Description
0-4' 0.0 ppm 0.0 ppm	gravel, tr Brown, coarse SANI at 8', m Gray, coarse SAND, like odor, Black, coarse SAND like odor Brown, coarse SANI	n sandy FILL, topsoil, some silt, little clay, trace ace brick debris D, some gravel, loose, moist D, little gravel, loose, slight hydrocarbon-like odor oist (wet at 7') some gravel, loose, gray staining, strong hydrocarbon- , shiny luster, wet D, heavy black staining, organic (H2S-like)/hydrocarbon- D and GRAVEL, loose, wet D, some gravel, loose, wet
	I	Page 1 of 1

Dirich Birth Structure Location: Boy Shore/Brightwaters Purpose: Soil Boring Dute(s): 04/23/02 Elevation: 20.34* Total Depth: 24.00* Datum: Mean Sea Level Z2-24: Logged By: Innocent Taziva Diffing Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Borehole Dia: 2.00in Signature 0: Signature Signature 0: Sig	Dvirka					Site Id: BBSB-103		
Development Discutting Cost Derived Structures PC Purpose: Soil Boring Developm: 20.34' Date(s): 04/23/02 - 04/23/02 Deturn: Nem Sea Level Internet Scale Structures PC Logged By: Innocent Taziva Purpose: Soil Boring Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dio: 2.00in Brown gray, fine-medium sondy FILL, topsoil, some silt, some clay, trace gravel, some osh and cinders Brown, coarse SAND, some gravel Same as above, moist Borown, fine-wedium SAND, some gravel, loose, wet Brown, coarse SAND, some gravel, loose, wet Borown, 2002 ppm Porwn, coarse SAND, some gravel, loose, wet Borown, 2002 ppm Same as above Brown, 2002 ppm Same as above Brown, 2002 ppm Same as above Brown, coarse SAND, some gravel, loose, wet Same as above Brown, 2002 ppm Same as above Brown, 2003 ppm Same as above			l 🖾 a	nd		Location: Bay Shore/Brightwaters		
ADVISION OF WILLAW F COSULCH ASSOCIATES PC Dete(s): 04/23/02 - 04/23/02 Elevation: 20.34' Total Depth: 24.00' Botum: Mean Sea Levrel 22-24'. Logged By: Innocent Taziva Difling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Sea Levrel Image: Sea Levrel Image: Sea Levrel Image:		U	(_) B	Bartilu				
Elexation: 20.34' Remarks: Samples selected for analysis from 8–10' and 22–24'. Datum: Ween Sea Level 22–24'. Logged By: Innocent Taziva Drilling Method: Geoprobe Contractor: Zebra Environmental Brown - gray, fine - medium sandy FILL, topsoil, some silt, some clay, trace gravel, some ash and cinders Brown, fine - medium SAND, some silt, some clay, moist Brown, fine - medium SAND, some gravel Same as above, moist (wet at 7') Same as above, moist (wet at 7') Brown, coarse SAND, some gravel, loose, wet Brown, coarse SAND, some gravel, loose, wet Same as above Same as above		ADIVISION						
Datum: Mean Sea Level Remarks: Samples selected for analysis from 8–10' and 22–24'. Logged By: Innocent Taziva Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Borehole Dia: 2.00in Image: Selected for analysis from 8–10' and 22–24'. Material Description Image: Selected for analysis from 8–10' and 22–24'. Image: Selected Dia: 2.00in Image: Selected for analysis from 8–10' and 22–24'. Image: Selected Dia: 2.00in Image: Selected for analysis from 8–10' and 22–24'. Image: Selected Dia: 2.00in Image: Selected for analysis from 8–10' and 22–24'. Image: Selected Dia: 2.00in Image: Selected for analysis from 8–10' and 22–24'. Image: Selected Dia: 2.00in Image: Selected for analysis from 8–10' and 22–24'. Image: Selected Dia: 2.00in Image: Selected for analysis from 8–10' and 22–24'. Image: Selected Dia: 2.00in Image: Selected Dia: 2.00in Image: Selected Dia: 2.00in <td></td> <td></td> <td></td> <td></td> <td></td> <td>Total Depth: 24.00'</td> <td></td>						Total Depth: 24.00'		
Logged By: Innocent Taziva Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Second Se						Remarks: Samples selected for analysis from 8-10'	and	
Drilling Method: Geoprobe Contractor: Zebra Environmental Borehole Dia: 2:00in (a) (b) (c) (c) (c)						22-24'.		
Contractor: Zebra Environmental Borehole Dia: 2.00in Image: Second Seco								
Borehole Dia: 2.00in Borehole Dia: 2.00in Image: Construction of the second								
Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Im			ironmental					
 0-4' 0.0 ppm 0.0 ppm	Borehole Dio	ı.: 2.00in	1					
Brown-gray, fine-medium sandy FILL, topsoil, some silt, some clay, trace gravel, some ash and cinders Brown, fine-medium SAND, some silt, some clay, moist Brown, coarse SAND, some gravel Same as above, moist (wet at 7') Brown, coarse SAND, little gravel, loose, wet Brown, coarse SAND, some gravel, loose, wet Same as above Brown, coarse SAND, some gravel, loose, wet Brown, coarse SAND, some gravel, loose, wet Brown, coarse SAND, some gravel, loose, wet Same as above Same as above Same as above Brown, coarse SAND, some gravel, loose, wet Brown, coarse SAND, some gravel, loose, wet Brow	Depth (ft) Recovery			Graphic Log		Material Description		
		4-8' 8-12' 12-16' 16-20'	0.00 ppppmm 0.00 ppppppm 0.00 ppppppppppppppp 0.00 pppppppppppppppppppppppppppppppppppp		trace gro Brown, fine-mediur Brown, coarse SAN Same as above, m Brown, coarse-very Brown, coarse SAN Same as above Same as above	avel, some ash and cinders n SAND, some silt, some clay, moist D, some gravel noist (wet at 7') c coarse SAND, little gravel, loose, wet D, some gravel, loose, wet	clay,	

		Site Id: BBSB-104
Dvirka		Location: Bay Shore/Brightwaters
		Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 05/21/02 - 05/21/02
		Total Depth: 20.00'
Elevation: 20.34'		Remarks: Samples selected for analysis at 4-6' and 16-18'.
Datum: Mean Sea Level		-
Logged By: John Schafer Drilling Method: Geoprobe		
Contractor: Zebra Environmental		
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Craphic Log		Material Description
0-4' 0.0 ppm 0.0 pppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.	trace find Orange brown, sand Orange brown, fine Gray, CLAY, soft, p Orange brown-brow loose, we Brown, fine-coarse wet	vn, SAND w/fine gravel and some coarse gravel, st SAND w/fine gravel, trace coarse gravel, loose, f fine-coarse SAND, loose, wet 20 ft.
		Page 1 of 1

Dvirka and						Site Id: BBSB-105		
						Location: Bay Shore/Brightwaters		
Bartilucci						Purpose: Soil Boring		
	,	A DIVISION C	DE WILLIAM F. C	NSULTING E OSULICH ASSC		Date(s): 05/20/02 - 05/21/02		
						Total Depth: 76.00'		
	ion: 0.0					Remarks: Samples selected for analysis at 8-10', 16-18',		
		Sea Leve				68-70', and 72-74'.		
	-	ohn Scha				-		
<u> </u>			Augered 0-	5', Geoprob	be 5-76'			
			ronmental					
Boreh	ole Dia.	: 2.00in	1		1			
		erval		Ð				
(ft)	ery.	Sample Interval		Graphic Log		Material Description		
Depth (ft)	Recovery	Samp	DIA	Graph				
		0-5'		0.0	Tan, fine-coarse S	AND w/some fine gravel, loose, hydrocarbon—like odo		
			105	 O O		omposite sample)	.,	
-			105 ppm					
			0.0 ppm		Brown, fine-coarse	SAND w/some fine gravel, slight clay lens at 6.5',		
- J		5–8'	0.0 ppm 0.0 ppm 44 ppm 81 ppm			drocarbon—like odor, wet at 6'		
-			55 ppm	· · · · · · · · ·	Plack_aray_brown	fine-coarse SAND, loose, black staining from 8-9',		
		8–12'	480 ppm 490 ppm 112 ppm	00		drocarbon—like odor, wet		
10			25 ppm 58 ppm					
-			0.0		Grav fine-coarse	SAND w/some fine gravel, loose, black staining from		
		12–16'	0.0 ppm 0.0 ppm 0.0 ppm			, slight hydrocarbon-like odor, wet		
-			0.0 ppm 0.0 ppm 0.0 ppm					
15 —				0 0	Black-aray-brown	fine-coarse SAND w/some fine gravel, loose, black		
		16–20'	0.0 ppm 0.0 ppm 0.0 ppm	. o o		from 16–17.5', slight hydrocarbon–like odor,		
-			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		wet			
20					Brown, fine-coarse	SAND w/fine gravel, loose, wet		
		20–24'	0.0 ppm					
-			0.0 ppm					
			0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse	SAND w/trace fine gravel, loose, wet		
25		24–28'	100 55m	· · · · ·		, , , ,		
-			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o				
		00 -0'	0.0 ppm		Brown, fine-coarse	SAND w/some fine gravel, loose, wet		
-		28–32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			-		
			PP-11		1	Page 1 of 3	3	



Location: Bay Shore/Brightwaters	Site Id: BBSB-105			
Purpose: Soil Boring	Total Dopth: 76.00'			
Consulting Firm: Dvirka & Bartilucci	Total Depth: 76.00'			
	Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description			
72-76, 0.0 ppm				
Page 3 of 3				

Dvirka and Bartilucci						Site Id: WCSB-37		
						Location: Watchogue Creek		
						Purpose: Soil Boring		
		A DIVISION C	DF WILLIAM F. C	NSULTING EI	NGINEERS CIATES, P.C.	Date(s): 03/01/02 - 03/04/02		
						Total Depth: 75.00'		
	ion: 19.					Remarks: Samples selected for analysis at 8—10', 21—23',		
		Sea Leve				45-47', and 73-75'.		
		nocent T		41 0 1	1			
—			Augered 0-	4', Geoprob	e 4-/5			
			ronmental			_		
Boren	iole Dia.	.: 2.00in						
		Sample Interval		bo				
Depth (ft)	Recovery	ple Ir		Graphic Log		Material Description		
Dept	Reco	Sam	DIA	Grap				
-		0-4'			Dark gray, medium	sandy FILL, little silt, trace gravel (composite sample)		
-								
-	- - 4-8' 0.0 ppm 4-8' 0.0 ppm bridle date					sandy FILL, some silt, trace clay, little gravel, little		
5		4–8'	0.0 ppm 0.0 ppm 0.0 ppm 10.4 ppm 14.1 ppm 19.0 ppm			ris, loose, slight hydrocarbon—like odor, dry plastic, plant material, staining, saturated with tar, on—like odor, wet, to gray, coarse SAND, some		
-			14.1 ppm 19.0 ppm					
.		8–12'	0.2 ppm 8.9 ppm 12.1 ppm	· · · · · · · · · · · · · · · · · · ·	gravel, str	ong hydrocarbon—like odor, saturated with tar		
-			0.2 ppm 8.9 ppm 12.1 ppm 4.4 ppm 5.1 ppm		-	SAND w/some rounded gravel, gray discoloration, sheen, with NAPL, strong hydrocarbon—like odor		
10 -			3.6 ppm	· · · · · · · · · · · · · · · · · · ·				
-	- 12-16 1.2 ppm					coarse SAND w/some fine gravel, loose, brown (iodine lens at 12', gray and brown tar from 13—13.5', wet SAND, loose, hydrocarbon—like odor, saturated with NAPL,		
15	/			0 0	wet			
-		16–20'	0.3 ppm 0.4 ppm 0.4 ppm 0.3 ppm	· · · · ·	-	SAND, little gravel, loose, brownish tar lens at 16', lens at 17', hydrocarbon—like odor, wet		
			0.3 ppm	0 0		iens ut 17, hydrocarbon nike odor, wet		
-					Light brown operation	SAND little reunded arrund lease black pedular ter		
20 -		20–24'	0.2 ppm 0.3 ppm 0.2 ppm	· · · · · · · · · · · · · · · · · · ·	, and a second s	SAND, little rounded gravel, loose, black nodular tar 1.5', slight hydrocarbon—like odor, wet		
.			0.2 ppm 0.2 ppm 0.3 ppm			-medium SAND, staining, sheen, slight hydrocarbon—like		
.				· · · · ·	odor Brown-dark brown	medium—coarse SAND, little fine gravel, loose, staining,		
25	24-28 0.2 ppm i o i o 1.4 ppm i o i o blackish b					rown blebs from 24-26', wet		
-			0.5 ppm 1.0 ppm 0.3 ppm	· · · ·	Light brown-brown, wet	medium—coarse SAND, loose, sheen, hydrocarbon—like odor,		
		00 70'	0.5 ppm 0.3 ppm	· · · · · ·		rse SAND, little rounded gravel, loose, sheen, trace tar		
-		28–32'	0.3 ppm 0.3 ppm 0.4 ppm	· · · ·	blebs, wet			
		L	1	L··.	I	Page 1 of 3		

Location: Watchogue Cree	ek		Site Id: WCSB-37			
Purpose: Soil Boring			Total Depth: 75.00'			
Consulting Firm: Dvirka &	& Bartilucci	-	Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval	PID Graphic Log	Material Description				
32-36'	0.3 ppm 0.8 ppm 0.7	Brown, m—c SAND, little rounded gravel, loose, sheen, trace tar blebs, wet Brown, fine—medium SAND, little fine gravel, loose, minor brown staining, wet Brown, coarse—very coarse SAND, little fine gravel				
36-40' C	0.7 ppm 0.7 ppm 0.7 ppm 0.7 ppm 0.9 ppm 1.4 ppm	. Brown—tan, fine—med	ium SAND, some fine—medium gravel, loose, sheen, wet			
40-44, 66	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.1 ppm	Brown, medium—coarse SAND, little fine gravel, some intermittant black blebs, slight hydrocarbon—like odor				
44-48' 6	0.0 ppm 0.0 ppm 0.1 ppm 0.1 ppm	Light brown, fine-medium-coarse SAND, little fine gravel, loose, sheen, slight hydrocarbon-like odor, wet				
48-52' 50-	0.0 ppm · · · · · · · · · · · · · · · · · ·	Brown, fine—medium SAND, little fine gravel, loose, sheen and slight hydrocarbon—like odor at 51', wet				
52-56' 2 52-56' 2 52-56' 1 1	6.8 ppm 4.3 ppm 5.7 ppm 4.2 ppm 1.2 ppm 4.6 ppm 0 3 ppm 0 3 ppm 0 3 ppm	Brown/orange brown, medium SAND, well sorted, loose, sporadic—intermittant black nodular blebs from 53.5—54.5', sheen, wet				
- 56-60' C	0.2 ppm 0.0 ppm	Brown—orange brown, fine—medium SAND, loose, wet				
[∞] - 60-64 [°] , C	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	. Brown, medium SAND	, well sorted, loose, wet			
64-68' &- - -	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-medium	SAND, loose, wet			
- 68-72' C	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Gray/light gray, medium—coarse SAND, little rounded gravel, loose, lenses of orange/reddish brown discolored sand at 69' and 70', wet				
Page 2 of 3						

Location: Watchogue Creek	Site Id: WCSB-37
Purpose: Soil Boring	Total Depth: 75.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in
Consulting Firm: Dvirka & Bartilucci	
	Page 3 of 3

						Site Id: WCSB-38		
Dvirka and						Location: Watchogue Creek		
) Bartilucci						Purpose: Soil Boring		
		A DIVISION C	DF WILLIAM F. C	ONSULTING EI OSULICH ASSO	NGINEERS CIATES, P.C.	Date(s): 03/01/02 - 03/04/02		
						Total Depth: 76.00'		
	tion: 19.					Remarks: Samples selected for analysis at 4-6', 1	3–15',	
		Sea Leve				48-50', and 72-74'.		
	-	'illiam J.	-	A' Oranah	- 4 70'	-		
—			-	4', Geoprob	96 4-76	-		
	ole Dia		ronmental			-		
Doren								
		ntervo		60-				
Depth (ft)	Recovery	Sample Interval		Graphic Log		Material Description		
Dep	Rec		PID	Graj				
-		0-4'			Brown, sandy TOPSO	IL w/fine-coarse gravel, loose, dry (composite	sample)	
-								
		4–8'	0.0 ppm		Same as above, frag	gments of asphalt—like tar (4—4.5')		
5		4-0	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			PEAT w/clay, sandy clay and fine gravel, loose	-slightly	
-			0.0 ppm		plastic, or	ganic (H2S—like) odor, moist (wet at 5')		
-		8-12'	1.8 ppm			coarse SAND w/fine-coarse gravel, loose, sheen, saturated		
-			1.8 ppm 23 ppm 37 ppm 29.4 ppm 9.6 ppm	· · · · · · · · · · ·		iscosity oil/tar, mild naphthalene—like odor, we -coarse SAND w/fine aravel loose light brown		
10			16.5 ppm 36.7 ppm	· · · · · · · · · · · · · · · · · · ·		-coarse SAND w/fine gravel, loose, light brown tar staining, aining (10-11.5'), moderate naphthalene-like odor, wet		
-		12–16'	0.0 ppm 0.0 ppm 0.0 ppm	· · · · ·	, i i i i i i i i i i i i i i i i i i i	ed-coarse SAND w/fine gravel, loose, moderate	•	
-			0.0 ppm		•••	arser sand from 14—14.5 w/heavy tar staining d more viscous than above, It—dk brown tar s	·	
15			31.0 ppm 14.5 ppm	· · · ·		of liner, moderate naphthalene-like odor, wet		
-		16–20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · ·	Orange brown and r	ed, medium—coarse SAND w/fine gravel, loose,	wet	
-			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm					
-				· · · · · · · · · · · · · · · · · · ·	Carro an about			
20		20–24'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above			
-			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm					
-				0 0	Same as above			
25 —		24–28'	0.0 ppm 0.0 ppm 0.0 ppm	· • · • ·				
			0.0 ppm 0.0 ppm 0.0 ppm	0 0				
		00 -0'	0.0 ppm		Brown, medium—coai	rse SAND, trace fine gravel, loose, wet		
		28–32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm					
		<u> </u>	1 11	<u></u>			Page 1 of 3	

Locati	on: Wat	chogue Ci	reek			Site Id: WCSB-38		
Purpo	se: Soil	Boring				Total Depth: 76.00'		
Consu	llting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in		
-								
Depth (ft)	Recovery	Sample Interval	QId	Graphic Log	Material Description			
-			0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, medium—coarse SAND, trace fine gravel, loose, wet			
		32–36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0	Brown, fine-medium-coarse SAND, coarse sand from 34.5-35', loose, wet			
-		36–40'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium-	-coarse SAND, loose, wet		
-			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		oarse SAND, loose, wet		
40 — - -		40–44'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Same as above, trac	e fine gravel		
45		44–48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	. Same as above			
		48–52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o 0	Red, fine-medium S/	AND, trace fine gravel, loose, wet		
		52–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brownish—orange, fin	e-medium SAND, loose, wet		
-		56–60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Same as above			
60 — - - -		60–64'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o o	Same as above			
65		64–68'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		, fine—medium SAND, loose, wet edium—coarse SAND, loose, wet		
-		68–72'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	•	medium SAND, loose, wet ne silt, slightly dense, wet	7	
						Page 2 of	ა	

Location: Watchogue Creek	Site Id: WCSB-38			
Purpose: Soil Boring	Total Depth: 76.00'			
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description			
72-76' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 0 ppm	Gray, fine SAND, some silt, slightly dense, wet Gray, silty SAND and rounded gravel, loose, wet Rounded fine-medium GRAVEL, wet Gray, CLAY, some silt, trace sand, hard Gray, CLAY and silt w/some-little very fine sand, slightly dense Base of boring - 76 ft.			
	Page 3 of 3			

	Site Id: WCSB-39	
Dvirka	Location: Watchogue Creek	
and Bartilu		
ADIVISION OF WILLIAM F. COSULICH ASS	GINEERS Date(s): 03/06/02 - 03/06	5/02
	Total Depth: 76.00'	<u></u>
Elevation: 19.18'	Remarks: Samples selected	for analysis at 8-10', 26-28',
Datum: Mean Sea Level	54-56', and 72-74'.	
Logged By: Innocent Taziva		
Drilling Method: Hand Augered 0-5', Geopro	<u>5 - 76</u>	
Contractor: Zebra Environmental		
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description	
5- 5-8' 34 ppm 24 ppm 24 ppm 31 ppm 31 ppm 31 ppm 30 ppm 30 ppm 30 ppm 30 ppm 30 ppm 30 ppm 38 ppm 39	 .5' of ASPHALT/bluestone paving Gray, silty fine SAND w/clay, trace gravel, roots, loose, coated w/gray ta wet, to gray-lt brown, coarse SAND, some-little silt, some gravel, little clay, coated w/tar, hydrocarbon-like odor, wet Gray-brown, coarse SAND, some rounded gravel, little silt, gray tar staining from 8-10', hydrocarbon-like odor, loose, wet Orange brown, coarse-very coarse SAND, some rounded gravel, loose, record brown hydrocarbon-like staining from 13.5-14', wet Brown, coarse-very coarse SAND, fine gravel lens w/black nodular magne crystals at 18.5', loose, sporadic orange brown staining, wet Light brown-gray, medium-coarse SAND (18.5-19'), loose, wet Brown, coarse SAND, some-little rounded gravel, loose, sporadic dark brown hydrocarbon-like staining from 21-22.5', very slight hydrocarbon-like odor, wet Brown, coarse SAND, some-little fine rounded gravel, loose, sporadic dark brown hydrocarbon-like staining, wet 	
0.0 ppm		Page 1 of 3

Locat	ion: Wat	chogue C	reek			Site Id: WCSB-39
Purpo	se: Soil	Boring				Total Depth: 76.00'
Consu	ılting Fi	rm: Dvirka	& Bartiluo	ci		Borehole Dia.: 2.00in
Depth (ft)	Recovery	Sample Interval	DID	Graphic Log		Material Description
			0.0 ppm 0.0 ppm 0.0 ppm	• • •	Brown, coarse SAND, Same as above, little	some-little rounded gravel, loose, wet e gravel
		32–36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		
		36–40'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0		trace—little fine—medium sand, little gravel, loose, ocarbon—like staining at 37.5', wet
40		40–44'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o 0 0	Brown, coarse SAND,	trace—little fine rounded gravel, loose, wet
45		44–48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Light brown—grayish,	coarse SAND, trace gravel, loose, wet
50 —		48–52'	0.0 ppm pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 ppm	0 0	Light brown, medium	-coarse SAND, trace fine gravel, loose, wet
	-	52–56'	0.0 pppm ppm pppm	o o	-	SAND, loose, sporadic blebs of dark brown hydrocarbon— g from 54—56', wet
55 - - -	-	56–60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o 0 0), well sorted, loose, sporadic blebs of dark brown n-like staining, wet
60 — - -		60–64'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0), loose, wet um SAND, hydrocarbon—like staining, intermittant thin
- 65 — -		64–68'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o o	tar lenses Brown, medium SAND Orange brown, mediu	
		68–72'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Gray-brown w/some	orange brown, med SAND, trace rounded gravel, loose, wet
						Page 2 of 3

Location: Watchogue Creek	Site Id: WCSB-39
Purpose: Soil Boring	Total Depth: 76.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description
72-76' 0.0 ppm 0.0	Gray-brown w/some orange brown, med SAND, trace rounded gravel, loose, wet Gray-light gray, very fine SAND, some silt, trace clay, micaceous, loose, wet Dk gray/bk, CLAY, some silt, little fine sand, slightly plastic and hard, wet Base of boring — 76 ft.
90	
95 — - - -	
	Page 3 of 3

			Site Id: WCSB-40
)virka Ind		Location: Watchogue Creek
	Bartilu		Purpose: Soil Boring
A DIVISION OF WILLIAM F.	ONSULTING E COSULICH ASSO		Date(s): 03/07/02 - 03/08/02
			Total Depth: 76.00'
Elevation: 18.98'			Remarks: Samples selected for analysis at 8-10', 12-14',
Datum: Mean Sea Level			50-52', and 74-76'.
Logged By: Innocent Taziva	5' Casarah	5 76'	
Drilling Method: Hand Augered 0- Contractor: Zebra Environmental	-5, Geoproi	be 5-76	
Borehole Dia.: 2.00in			
Depth (ft) Recovery Sample Interval PID	60		
Depth (ft) Recovery Sample In PID	Graphic Log		Material Description
Sam PID	Grap		
- 0-5'		Dark brown, FILL, ro	ots
		-	ay, fine-medium sandy FILL, some silt, some clay, trace
		gravel, roc	ts, debris (composite sample, 0−5')
5-8, 1.6 ppm 5-8, 21 ppm	n	Tan/It brown, fine s	andy FILL, some silt, trace gravel, roots, glass, moist
	· · · · · · · · · · · · · · · · · · ·	-	se SAND, some gravel, loose, sheen, dk brown (iodine color) n-like staining, strong hydrocarbon-like odor, wet
		1	some gravel, sheen in water, hydrocarbon-like odor, wet
8–12' 8.0 ppm 4.0 ppm 5.0 ppm			olive), coarse SAND, some gravel, little clay, loose,
10 – 1.0 ppm 1.0 ppm	· · · · · ·	tar lens a	t 10.2', hydrocarbon—like odor, wet
		Brown, coarse-very	coarse SAND, some rounded gravel, loose, dark brown—black
1.0 ppm 12–16' 6.0 ppm 3.1 ppm 2.1 ppm 0.0 ppm		tar lenses	at 12.7' and 13', sheen, hydrocarbon—like odor, wet
15- 16-20' 0.0 ppm 0.0 ppm		Brown, coarse-very	coarse SAND, some rounded gravel, loose, slight
- 0.0 ppm 0.0 ppm		hydrocarbo	n-like odor at 16.5', wet
0.0 ppm			
20-24, 0.0 ppm 0.0 ppm		Brown (slight olive t	int), coarse SAND, some gravel, loose, wet
- 0.0 ppm 0.0 ppm	0.0	Brown coarco SAND	little reunded gravel lease wat
- 0.0 ppm 0.0 ppm - 0.0 ppm	it. <u>.</u>	Brown, course SAND,	little rounded gravel, loose, wet
24–28, 0.0 ppm		Same as above, littl	e gravel
25 — 0.0 ppm 0.0 ppm			
- 0.0 ppm 0.0 ppm - 0.0 ppm	1) 	Brown, very coarse	SAND and GRAVEL, loose, wet
28–32 ['] 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, coarse SAND,	little fine gravel, loose, wet
- 0.0 ppm 0.0 ppm	1		
			Page 1 of 3

Locat	ion: Wat	chogue C	reek				Site Id: WCSB-40	
Purpo	se: Soil	Boring					Total Depth: 76.00'	
Consu	ılting Fi	rm: Dvirka	& Bar	rtiluco	ci		Borehole Dia.: 2.00in	
Depth (ft)	Recovery	Sample Interval	PID Graphic Log			Material Description		
				opm: pm	· · · ·		little fine gravel, loose, wet	
-		32–36'	lQ.Q p		0 0 0 0	Same as above, little	e fine rounded gravel	
35 — - - -		36–40'	0.0 p 0.0 p 0.0 p 0.0 p 0.0 p	opm. opm. opm. opm. opm. opm. opm.	0 0 0 0	Brown, medium-coar	se SAND, trace fine gravel, loose, wet	
- 40 -		40-44'	0.0 p 0.0 p 0.0 p 0.0 p	pm pm pm	0 0 0 0	Brown, coarse SAND,	trace gravel	
- - 45 —		44–48'	0.000000000000000000000000000000000000		0 0 0 0	-	GAND, some rounded gravel, loose, wet SAND, trace gravel, dark brown garnets, loos	e, wet
- - - 50 —		48–52'	0.00 p p p p p p p p p p p p p p p p p p		m o o m o so m o so m o o m o o m o o m o o	Same as above, som	ne coarse sand, no gravel	
-		52–56'	0.0 p 0.0 p 0.0 p 0.0 p 0.0 p 0.0 p 0.0 p	pm. pm. pm. pm. pm. pm.	·o · o	Brown, medium SAND), well sorted, loose, wet	
55 - - -		56–60'	0.0 p 0.0 p 0.0 p 0.0 p 0.0 p 0.0 p 0.0 p	pm pm pm pm pm pm pm	0 0 0 0	Tan—orange brown, n discoloratio	nedium SAND, micaceous, loose, minor reddis n, wet	h brown
- 60 -		60–64'	0.0 p 0.0 p 0.0 p	opm. opm. opm. opm.	° °	Same as above		
		64–66'	Q.Q p	· pm· pm	· · · · · · · · · · · · · · · · · · ·	Brown, medium SAND), well sorted, loose, wet	
65		66–68'	0.0 p 0.0 p		0 0	Brown, medium SAND), loose, possible slight hydrocarbon—like odor	r, wet
			0.0 p 0.0 p 0.0 p 0.0 p 0.0 p	pm. pm. pm. pm. pm.	· · · · · · · · · · · · · · · · · · ·	Gray brown, medium	SAND, loose, wet	
			. P	<u> </u>	· · · · · ·			Page 2 of 3

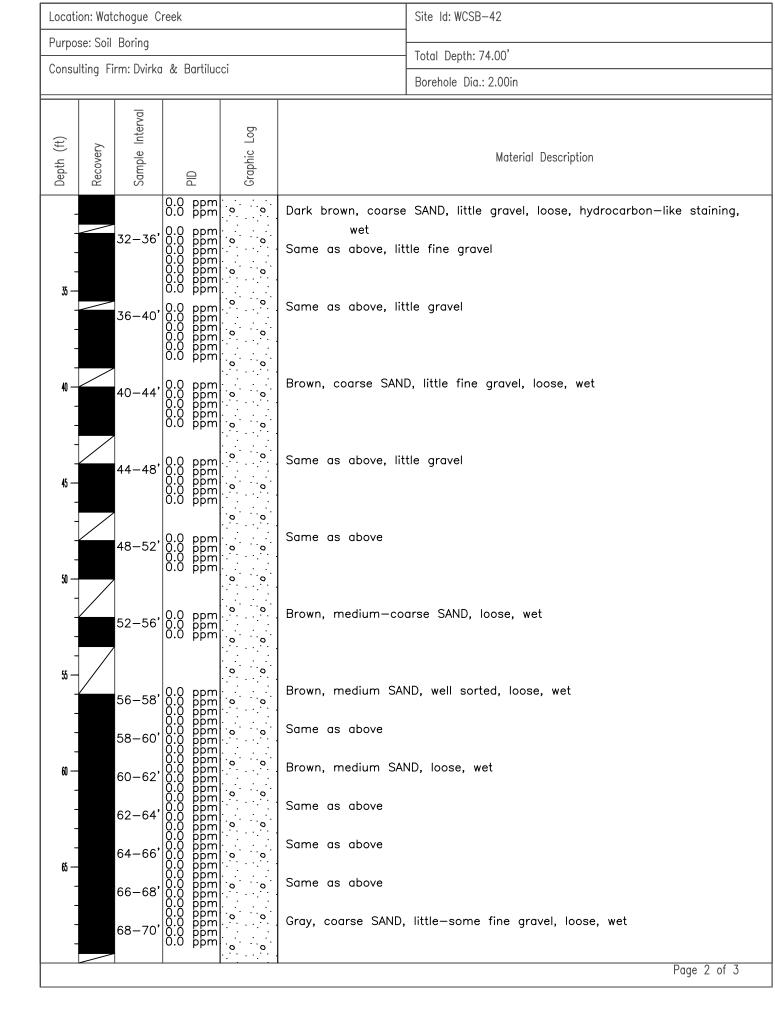
Locat	ion: Wat	chogue C	reek			Site Id: WCSB-40		
Purpo	se: Soil	Boring				Tatal Dooth: 76.00'		
Consu	ılting Fi	rm: Dvirka	& Bartiluc	ci		Total Depth: 76.00'		
	1			1	I	Borehole Dia.: 2.00in		
Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description			
	-			0 0	Driller error – drove	past 70—74'		
		74–76'	0.0 ppm 0.0 ppm	• •	Gray, fine SAND, son	ne silt, little—some clay, loose, wet ilt, some fine sand, slightly hard, wet		
.								
	1			1	1		Page 3 of 3	

						Site Id: WCSB-41
				virka		Location: Watchogue Creek
				nd artiluo	cci	Purpose: Soil Boring
	A	DIVISION C	DF WILLIAM F. C	NSULTING EI OSULICH ASSO	NGINEERS CIATES, P.C.	Date(s): 03/11/02 - 03/12/02
						Total Depth: 76.00'
—	ion: 18.7					Remarks: Samples selected for analysis at 6-8', 12-14',
		Sea Leve				24-26', and 70-72'.
		nocent T		=1 0 1	5 70'	
			-	5', Geoprob	e 5-76	
			ronmental			_
Boren	ole Dia.:					
		Sample Interval		bo		
Depth (ft)	Recovery	ple Ir		Graphic Log		Material Description
Dept	Reco	Sam	DIA	Grap		
-	(0-5'			Asphalt (05'), to a	dark gray, fine—medium sandy FILL, some rounded gravel,
			0.0 ppm			a debris, hydrocarbon—like odor, moist (composite
					sample)	
5	ļ	5-8'	0.0 ppm			clayey FILL, some silt, roots, wet
-			0.0 ppm 15 ppm 16 ppm 57 ppm 42 ppm 11 ppm			and GRAVEL to reddish brown, med SAND, trace gravel and coated w/NAPL, hydrocarbon—like odor, sheen, wet
-	,	8–12'	11 ppm 12 ppm			little—some gravel, gravel lenses at 9.8' and 10.5', dk
		5-12	12 ppm 37 ppm 39 ppm 17 ppm		brown stai	ning (8-10' and 10.5'), hydrocarbon-like odor, wet
10			12.5 ppm 0.0 ppm 0.0 ppm		Dk gray-brown (iodir	ne color), v coarse SAND and f GRAVEL, saturated with tar
		12–16'	0.0 ppm 0.0 ppm 6.0 ppm	<u> </u>		is than above, v slight hydrocarbon—like odor, wet
		12 10	7.0 ppm	· · · · · · · · · · · · · · · · · · ·		SAND, some—little rounded gravel, gravel lenses at 12.7' gravel coated with gray—dark gray tar from 14—14.2' and
15			12 ppm 5.0 ppm	<u></u>	-	slight hydrocarbon-like odor
-		16–20'	8.0 ppm		-	an, coarse SAND, little rounded gravel, loose, dark brown
-			8.0 ppm		•	or) staining from 16—18', coated with black tar from black tar lens at 18.5', sheen, hydrocarbon—like odor,
-			8.0 ppm 6.0 ppm		wet	
20 —		20-24'	0.0 ppm 0.0 ppm	· · · · ·		se SAND, loose, slight sheen, hydrocarbon-like odor, wet
-			3.0 ppm 7.0 ppm 8.0 ppm	0 0		ne color)—brown, med—coarse SAND, f gravel, sheen (less r/water mixture than above), hydrocarbon—like odor,
-			8.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·		coated gravel lens at 23'
						brown, medium—coarse SAND, little rounded gravel, loose, k brown tar saturated gravel lens at 26', hydrocarbon—
25			0.0 ppm 6.0 ppm 7.8 ppm 8.0 ppm 0.0 ppm 0.0 ppm			From $24-25'$, wet
-		28–32'	0.0 ppm 0.0 ppm 0.0 ppm			trace f—m sand, little rounded gravel, loose, patches vn staining, slight hydrocarbon—like odor, wet
			0.0 ppm	0 0		Page 1 of 3
1						

Locati	ion: Wat	chogue C	reek			Site Id: WCSB-41
Purpo	se: Soil	Boring				Total Depth: 76.00'
Consu	Ilting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in
		_				
Depth (ft)	Recovery	Sample Interval	DIA	Graphic Log		Material Description
- - - - 35 -		32–36' 36–40'	0.0 ppm 0.0 ppm	0 0 0 0 0	of dk brow Brown-orange brown,	trace f—m sand, little rounded gravel, loose, patches n staining, slight hydrocarbon—like odor, wet coarse SAND, some fine rounded gravel, loose, wet some—little gravel, loose, wet
- - 40 - - -		40–44'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		se SAND, trace fine gravel, loose, wet little fine rounded gravel
45 — - - -		44-48' 48-52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o 0 0	Brown, course SAND, Brown, medium SAND Brown, medium SAND	, loose, wet
			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o o		little rounded gravel, loose, dark brown hydrocarbon— g from 51.7—52', wet past 52—56'
		56–60'	0.0 ppm pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Orange brown, mediu Same as above	m—coarse SAND, trace gravel, loose, wet
- 60 		60-64' 64-66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o o		, well sorted, loose, wet
65 — - - -		66–68' 68–70'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o 0 0	Same as above Same as above, sligh Gray, medium-coarse	atly hard s SAND, trace fine rounded gravel
			0.0 ppm			Page 2 of 3

Locat	ion: Wat	chogue C	reek			Site Id: WCSB-41		
Purpo	se: Soil	Boring				Total Depth: 76.00'		
Consu	Ilting Fi	rm: Dvirka	& Bartiluc	ci				
	1					Borehole Dia.: 2.00in		
Depth (ft)	Recovery	Sample Interval	DID	Graphic Log		Material Description		
		70-72 [,] 72-74 [,] 74-76 [,]	0.0 ppm 0.0 ppm 0.0 ppm		GRAVEL w/some gray Gray, fine SAND, som Same as above, little	e gray micaceous sand, hard, wet		
						Page 3 of 3		
						J -		

						Site Id: WCSB-42		
				virka		Location: Watchogue Creek		
	(nd Sartiluo	cci	Purpose: Soil Boring		
				ONSULTING EI		Date(s): 03/13/02 - 03/14/02		
						Total Depth: 74.00'		
	tion: 19.					Remarks: Samples selected for analysis at 8—10', 25—27',		
		Sea Leve				56-58', and 72-74'.		
		nocent T		<u> </u>	c 741			
<u> </u>				5', Geoprob	e 5-/4	-		
<u> </u>			ronmental			_		
Boreh	iole Dia.	.: 2.00in						
		Sample Interval		бо				
Depth (ft)	Recovery	ple Ir		Graphic Log		Material Description		
Dept	Reco	Sam	DIA	Grap				
-		0–5'			Brown, coarse sand	dy FILL, some silt, some—little gray clay, trace rounded		
-					gravel, a	sh, glass (composite sample)		
-								
5		5–8'	0.0 ppm 0.0 ppm	<u> </u>		D w/some gravel, little silt		
-			0.0 ppm 0.0 ppm 0.0 ppm		Dk brown/black, Cl moist	LAY, little silt and peat, roots, decaying organic matter,		
-		8-12'	0.0 ppm 0.0 ppm			and GRAVEL, loose, slight hydrocarbon—like odor, wet		
-		0-12	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	<u> </u>				
10 -			0.0 ppm		Brown, fine-mealur	n SAND, loose, slight hydrocarbon—like odor, wet		
-		12–16'	0.0 ppm 0.0 ppm	· · · ·	Dark gray, coarse	SAND, little gravel, trace clay, loose, organic (H2S—like) et Irse SAND, little gravel, loose, wet		
-			0.0 ppm 0.0 ppm	· · · · · ·	odor, we Orange brown cog			
15			0.0 ppm 0.0 ppm	· · · · ·	ordinge brown, cou	ise shire, inthe gravel, losse, wet		
-		16–20'	0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, coarse SAN	D, some rounded gravel, loose, wet		
-			0.0 ppm 0.0 ppm					
-			0.0 ppm 0.0 ppm					
20 -		20–24'	0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Same as above, lit	tle fine gravel		
-			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· • · • · •				
-			FF	000				
-		24–28'		· · · · · ·	Brown, very coarse staining,	SAND, little rounded gravel, loose, hydrocarbon-like		
			0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Stannig,			
-								
		28–32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown, coarse wet	e SAND, little gravel, loose, hydrocarbon—like staining,		
			0.0 þþm	· · · · · · · · · · · · · · · · · · ·		Page 1 of 3		
1								

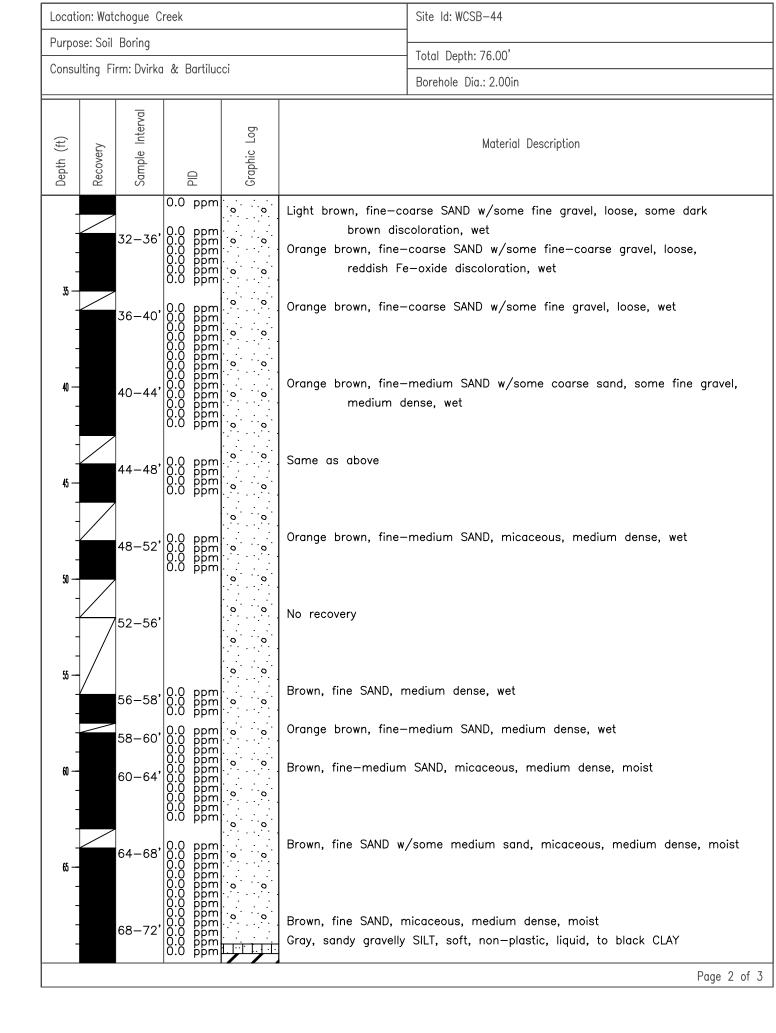


Purpose: Soil Boring Total Depth: 74.00' Consulting Firm: Driva & Bortlucd Borthole Dia: 2.00'n Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Boring Firm: Driva & Bortlucd Image: Soil Bortlucd Image: Soil Bortlucd Image: Soil Bortlucd I	Location: Watchogue Creek	Site Id: WCSB-42
Consulting Firm: Divide & Bartilucci Borehole Dia:: 2.00in	Purpose: Soil Boring	Tatal Death: 74.00'
Image: state stat	Consulting Firm: Dvirka & Bartilucci	
70-72 72-74 0.0 ppm 0.0 ppm 0.0 ppm Gray, fine-medium SAND, some silt, trace clay, micaceous Gray, silty SAND, olay Base of boring - 74 ft. 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- - - 8- 9- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8-		Borenole Dia.: 2.00in
		Material Description
Page 3 of 3		Gray, silty SAND, some gravel Gray, silty SAND, clay Base of boring - 74 ft.

	Desirates		Site Id: WCSB-43	
	Dvirka and		Location: Watchogue Creek	
	Bartilue		Purpose: Soil Boring	
A DIVISION OF WILLIA	AM F. COSULICH ASSC		Date(s): 05/08/02 - 05/10/02	
			Total Depth: 66.00'	
Elevation: 16.16'			Remarks: Samples selected for analysis at 0-2', 16-18',	
Datum: Mean Sea Level			50-52', and 64-66'. Formation too tight to drive rods any further	
Logged By: John Schafer			than 66'.	
Drilling Method: Geoprobe				
Contractor: Zebra Environmer	tal			
Borehole Dia.: 2.00in		1		
Depth (ft) Recovery Sample Interval	_		Material Description	
- 0-4' 0.0	opm opm opm		matrix w/vesicular slag, glass fragments, soft, dry	
4-8' 5- 4-8' 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		Fine GRAVEL, loose, Orange brown-gray, Gray-orange brown, Brown, fine-coarse	v/some fine gravel, non-plastic, wet wet fine-coarse SAND w/some fine-coarse gravel, loose, wet gravelly fine-coarse SAND, medium dense, wet SAND w/fine gravel, loose-medium dense, slight dark coloration, wet	
		Dark brown, fine—coarse SAND w/fine gravel, medium dense, dark brown discoloration, possible hydrocarbon—like staining on gravel, wet		
	ADE ADE ADE ADE ADE ADE ADE ADE ADE ADE	medium d Orange brown, fine-	parse SAND w/fine gravel and some coarse gravel, lense, dark brown—black discoloration, wet -coarse SAND w/some fine gravel, loose—medium dense,	
	opm opm opm opm opm opm opm opm	Orange brown, fine-	n discoloration, wet -coarse SAND w/trace fine gravel, loose, slight dark coloration, wet	
			Page 1 of 2	

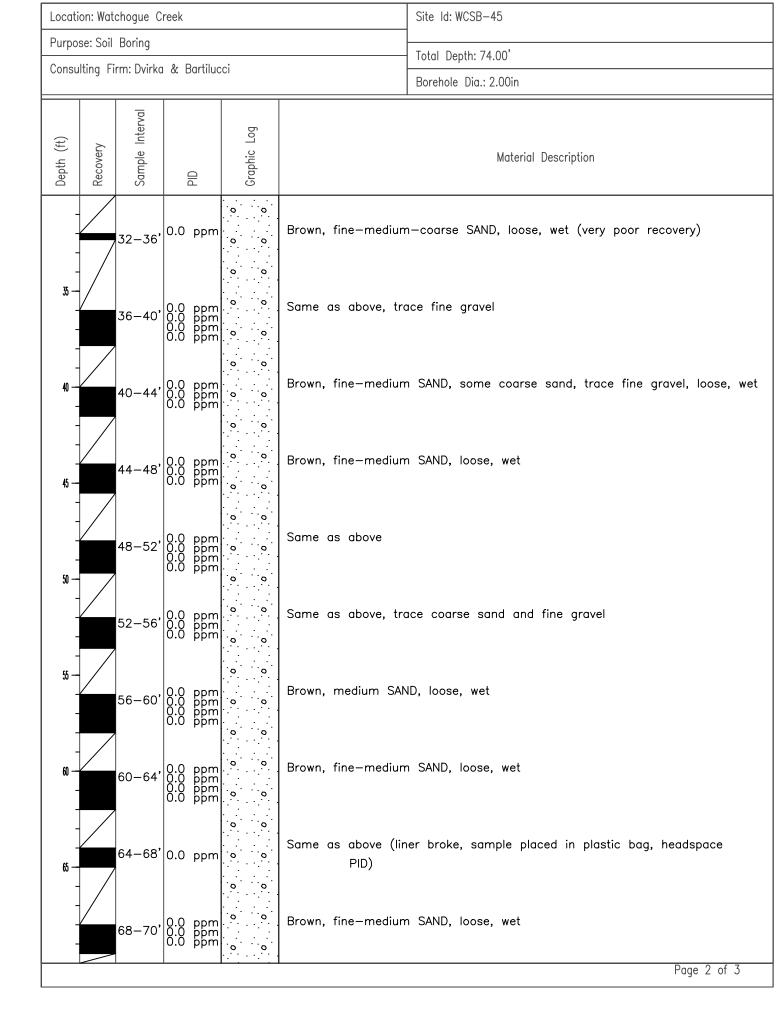
Location: Watchogue	Creek			Site Id: WCSB-43		
Purpose: Soil Boring				Total Depth: 66.00'		
Consulting Firm: Dvi	ka & Bartilu	cci		Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval	QId	Graphic Log		Material Description		
32-3	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · ·	brown disc	coarse SAND w/trace fine gravel, loose, slight dark coloration, wet coarse SAND w/some fine gravel, loose, wet		
36-4	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	·o · · · o	Orange brown, fine- medium d	medium SAND w/some coarse sand and fine gravel, ense, wet		
40-4	4, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Same as above			
44-4	0.0 ppm 0.0 ppm		Brown, fine SAND w, Same as above	/some medium sand, medium dense, moist		
48-5	2, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange brown, fine- dense, we	medium SAND, trace fine gravel, micaceous, medium t		
52-5	6' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Same as above			
56-6	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Brown, fine SAND, n	nicaceous, medium dense, moist		
60-6	0.0 ppm 0.0 ppm,	· o · o	Same as above Same as above			
64-6	0.0 ppm 0.0 ppm		Brown—light brown, fine SAND, micaceous, medium dense, moist Base of boring — 66 ft.			
				Page 2	of 2	
L				ruye z		

	_				Site Id: WCSB-44
)virka nd		Location: Watchogue Creek
		()E	Bartilu DNSULTING E		Purpose: Soil Boring
	ADIVISION	OF WILLIAM F. C			Date(s): 05/07/02 - 05/08/02
					Total Depth: 76.00'
	ion: 17.58'				Remarks: Samples selected for analysis at 0-2', 13-15',
	n: Mean Sea Lev				48-50', and 68-70'.
	d By: John Scho				
	g Method: Geopro				
	actor: Zebra Envi	ronmental			
Boreh	ole Dia.: 2.00in				
Depth (ft)	Recovery 5 Sample Interval	El anom	Graphic Log		Material Description
	0-4 4-8' 8-12' 12-16' 16-20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk brown—It orange gravel fro Orange brown—tan, Light brown, fine—co Light brown—dark br possible r Brown, fine—coarse	OIL, some fine gravel, grass brown, fine-med SAND w/some coarse sand, fine-coarse m 0.25-1', trace gravel from 1-3', loose, moist fine-coarse SAND w/some fine gravel, loose, moist barse SAND w/some fine gravel, loose, moist rown, fine-coarse SAND w/some fine gravel, loose, hydrocarbon-like staining on fine gravel, wet SAND w/some fine gravel, loose, dark brown on, possible hydrocarbon-like staining
-		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	on fine g	
20	20–24'	0.00 pppm pppm 0.000 pppm 0.000 pppm 0.0000 pp	0 0	brown dis	rown, fine—coarse SAND w/some fine gravel, loose, coloration, wet SAND w/some fine gravel, loose, some dark brown
- 25	24–28' 	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	discolorati	
-		0.0 ppm 0.0 ppm 0.0 ppm	o o	brown dis	coloration, wet
					Page 1 of 3



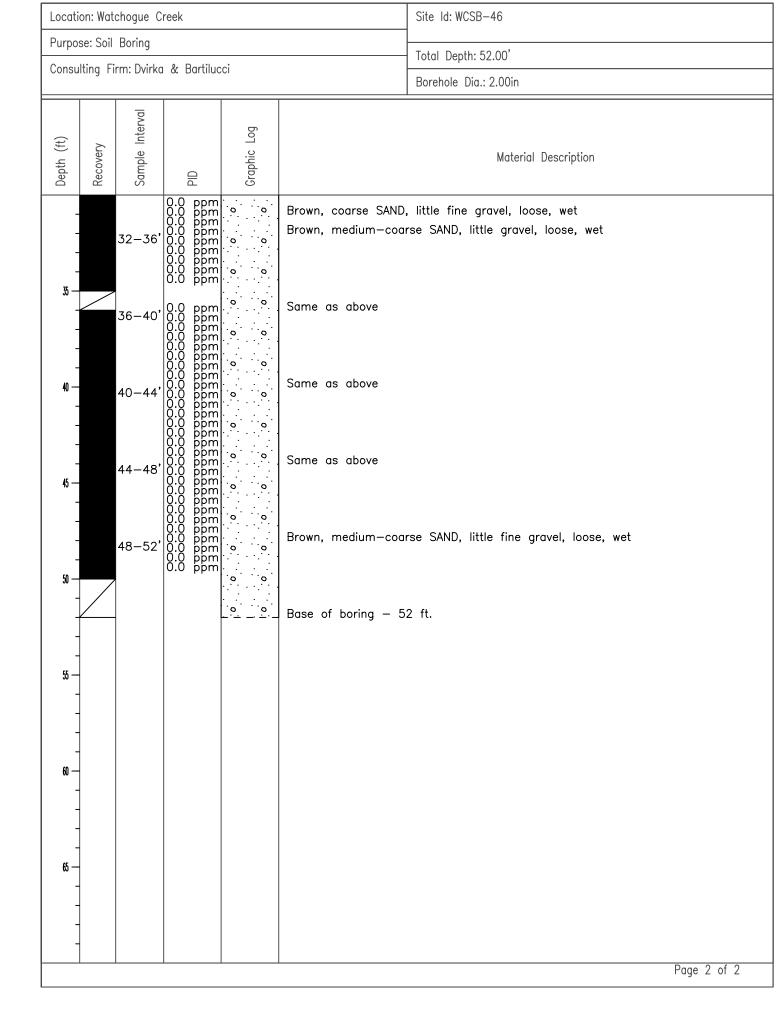
Purpose: Soil Boring Total Depth: 76.00' Consulting Firm: Drine & Bartilucci Barehole Dia: 2.00in Image: Soil Boring Firm: Drine & Bartilucci Barehole Dia: 2.00in Image: Soil Boring Firm: Drine & Bartilucci Barehole Dia: 2.00in Image: Soil Boring Firm: Drine & Bartilucci Barehole Dia: 2.00in Image: Soil Boring Firm: Drine & Bartilucci Barehole Dia: 2.00in Image: Soil Boring Firm: Drine & Bartilucci Bartilucci	Location: Watchogue Creek	Site Id: WCSB-44
Consulting Firm Derive & Bartlucci Borehole Dia: 2.00in	Purpose: Soil Boring	Total Depth: 76.00'
Image: Second	Consulting Firm: Dvirka & Bartilucci	
72-76' Born with the second secon		
Δ LEIILE Base of boring - 76 ft. Δ - - δ - - δ - - δ - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - -		Material Description
Dago 3 of 3	72-76' 0.0 ppm 0.0 ppm	Gray (black laminated), silty SAND, micaceous, dense, moist

						Site Id: WCSB-45
				virka		Location: Watchogue Creek
				nd artiluo	cci	Purpose: Soil Boring
	AD	IVISION O		NSULTING EI DSULICH ASSO	NGINEERS	Date(s): 03/15/02 - 03/21/02
						Total Depth: 74.00'
	on: 18.44					Remarks: Samples selected for analysis at 6-8', 20-22',
	Mean Se					44-45.5', and 70-72'.
	By: Tazi			=1 0 1		
				5', Geoprob	e 5-/4	
			ronmental			
Boreho	le Dia.: 2					
		Sample Interval		bo-		
Depth (ft)	Recovery	l aldr		Graphic Log		Material Description
Dep		I	PID	Graj		
_	0-	-5'			ASPHALT paving	
-				·o · o	Brown, very coarse	SAND, some gravel, loose, moist (composite sample)
				· · · · ·		
5 —	5-	-8'	0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, coarse SANI), some rounded gravel, loose, wet
			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0		
-	8-	-12'	0.0 ppm 0.0 ppm 0.0 ppm	· · · · · ·	Brown/light brown,	very coarse SAND, some rounded gravel, loose, wet
			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·		
10			0.0 ppm 0.0 ppm	·····		
-	12	2–16'	0.0 ppm 0.0 ppm 0.0 ppm	·o ·o), some rounded gravel, loose, dark brown hydrocarbon-
			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· • •	like stain	ing from 13–15', wet
15			0.0 ppm 0.0 ppm	· · · · ·		
	16	6–20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · ·	Brown, coarse SANI staining,), some rounded gravel, loose, minor hydrocarbon—like wet
			10.0 bbm		stannig,	
-			0.0 ppm 0.0 ppm			
20-24' 0.0 ppm					Same as above	
				• • • • •		
			0.0	· • • •	Palo/light brown m	nedium—coarse SAND, little gravel, loose, wet
24-28 0.0 ppm 0 0				o o	i diej light brown, h	ieulum course SAND, intre graver, loose, wet
25						
			0.0 mm	· · · ·	 Brown, fine-mediun	n-coarse SAND, fine-coarse gravel in bottom 4", loose,
-	28	8–32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · ·	wet	
			F.M.	r	<u> </u>	Page 1 of 3



Purpose: Sail Boring Total Depth: 74.00° Consulting Firm: Diviko & Bortilucci India Depth: 74.00° Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Sail Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Sail Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Boring Firm: Diviko & Sail Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Bortilucci Image: Sail Boring Firm: Diviko & Bortilucci Image: Sail Bortilucci Image: Sail Bortilucci Image: Sail Bortilucci Image: Sail Bortilucci Image: Sail Bortilucci Image: Sail Bortilucci Image: Sail Bortilucci Image: Sail Bortilucci Image: Sail Bor							Site Id: WCSB-45
Consulting Firm: Dirko & Bartilucci Borehole Dia: 2.00in	Purpose: Soil Boring						Tatal Dopth: 74.00'
Image: Constraint of the second se	Consulting Firm: Dvirka & Bartilucci						
70-72 0.0 ppm 72-74 0.0 ppm 72-74 0.0 ppm 0.0 ppm 0							
72-74* 0.0 ppm ppm Cray, cLAY, silt, some sand 72-74* 0.0 ppm ppm Cray, cLAY, silt, some sand 0.0 ppm 0.0 ppm Cray, cLAY, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, cLAY, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, cLAY, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, cLAY, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, cLAY, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, cLAY, silt, some sand 8 0.0 ppm Cray, cLAY, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, silt, some micaceous very fine sand, dense, wet 8 0.0 ppm Cray, silt, some micaceous very fine sand, dense, wet	Depth (ft)						Material Description
105 - - - - - - - - - - - - - - - - - - -			70-72'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		rounded(Gray, CLAY, silt, sor	SRAVEL layer, to dk gray/bk, CLAY, silt, some sand me micaceous very fine sand, dense, wet 74 ft.

					Site Id: WCSB-46			
			virka nd		Location: Watchogue Creek			
		()Ë	artilu	ссі	Purpose: Soil Boring			
	A DIVISION	OF WILLIAM F. C	ONSULTING E		Date(s): 03/21/02 - 03/21/02			
					Total Depth: 52.00'			
	ion: 18.57'				Remarks: Samples selected for analysis at 6-8', 20-22',			
	n: Mean Sea Le				and 48—50'.			
	d By: Innocent				-			
	g Method: Geop				-			
	actor: Zebra En	vironmental			-			
Boreh	ole Dia.: 2.00in	1						
	Recovery Sample Interval		Бо					
Depth (ft)	Recovery Sample In		Graphic Log		Material Description			
Dept	Reco	OId	Grap					
-	0-4'		••••••	ASPHALT paving				
- - - 5	4-8'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, coarse SAND Whitish/light brown,	SAND, some gravel, little silt and clay, loose, dry , some gravel, loose, moist coarse-very coarse SAND, some gravel, loose, dk brown- rocarbon-like staining from 6.5-8', partially wet			
- - - - 10	8-12'	0.0 ppm 0.0 ppm	0 0 0 0		coarse SAND, some gravel, loose, dk brown hydrocarbon— ng from 8—10.5', wet			
	12-16	0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Lt brown, coarse SAND, some gravel, loose, slight grayish—brown hydrocarbon like staining, wet				
15 — - - -	16-20	, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	-	SAND, little gravel, loose, lens of hydrocarbon—like t 17.5', wet			
20	20-24	, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		, some gravel, loose, dark brown lens of hydrocarbon—like t 21.5', wet			
- 25 — -	24-28, 0.0 ppm S Light brown/whitish,				coarse SAND, little fine gravel, loose, wet			
-	28-32		0 0 0 0		, little fine gravel, loose, brown lens of minor on—like staining at 30', wet			
					Page 1 of 2			

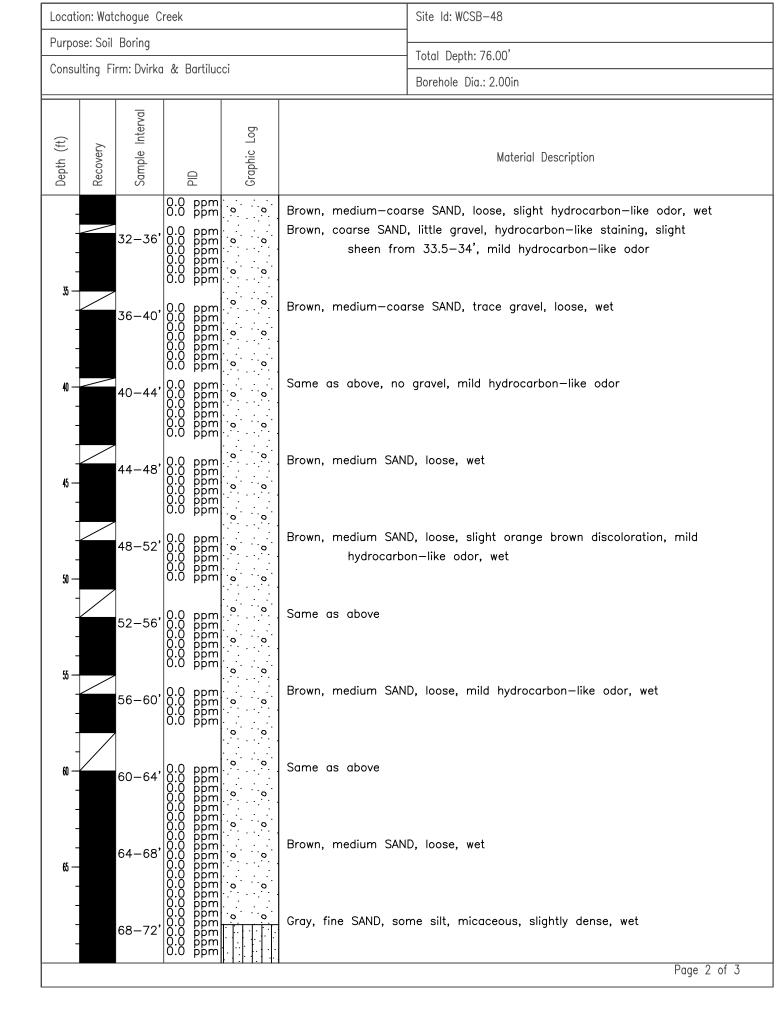


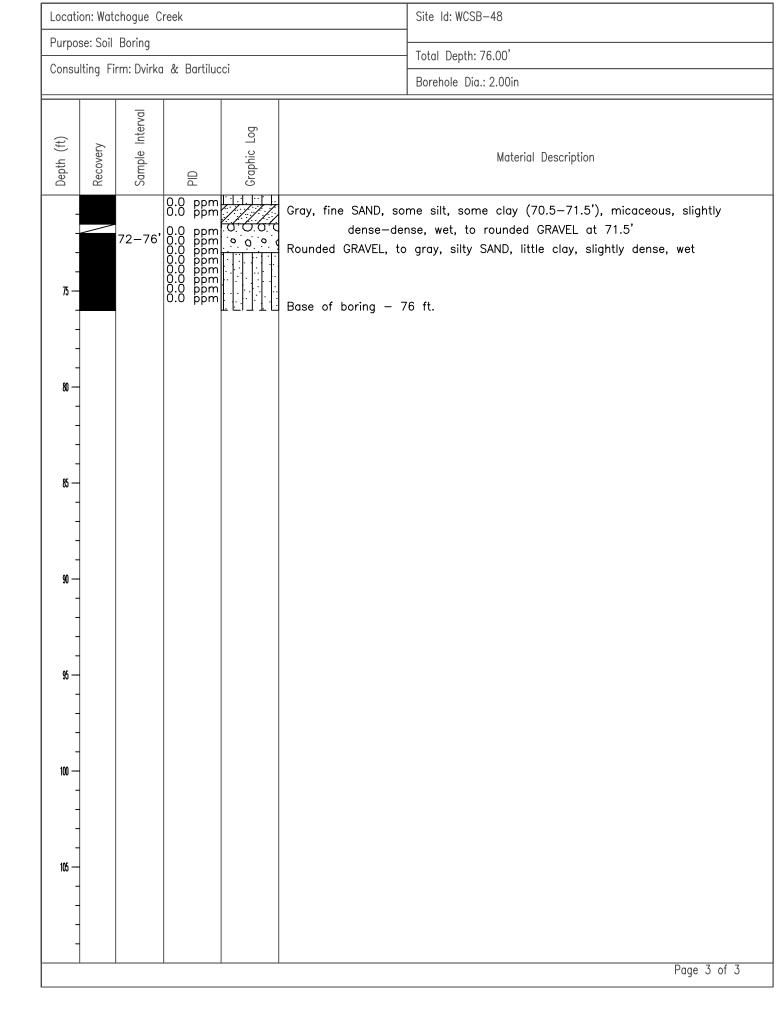
					Site Id: WCSB-47
			virka nd		Location: Watchogue Creek
		())B	artilu	cci	Purpose: Soil Boring
	ADIVISION	OF WILLIAM F. C	NSULTING E OSULICH ASSC		Date(s): 03/22/02 - 03/27/02
					Total Depth: 74.00'
	ion: 19.35'				Remarks: Samples selected for analysis at 10-12', 22-24',
	n: Mean Sea Lev				50-52', and 68-70'.
	d By: Innocent 1 g Method: Geopre				-
	actor: Zebra Env				
	ole Dia.: 2.00in				
Doron					
()	Recovery Sample Interval		Log		
Depth (ft)	Recovery Sample In		Graphic Log		Material Description
Dep	Sarren Rec	E			
-	0-4	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · ·	ASPHALT paving	
-		0.0 ppm	<u> </u>	Brown, coarse SAN	D, some rounded gravel, little silt and clay
-	4-8'	0.0 ppm	o o	Brown, coarse SAN	D, some gravel, loose, moist
5-		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			
		0.0 ppm	 		
-	8-12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, coarse SAN	D, some rounded gravel, loose, moist
10		10.0 ppm		Very coarse SAND	and fine GRAVEL, loose, dark brown hydrocarbon—like
-		100 bbm	0.0.0	staining,	wet
-	12-16	, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, coarse SAN discolora	D, some rounded gravel, loose, some dark gray—black tion wet
		0.0 ppm	· · · · ·		tion, wet
15 —			o o		
-	16-20	, 0.0 ppm 0.0 ppm 0.0 ppm		Brown, very coarse staining,	SAND, some gravel, loose, minor hydrocarbon—like wet
-		0.0 ppm 0.0 ppm 0.0 ppm			
-		0.0 ppm		Same as above, co	
20	20-24	, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			20156
-		0.0 ppm 0.0 ppm 0.0 ppm			
-		0.0 ppm 0.0 ppm 0.0 ppm	0 0	Brown, coarse SAN	D, some gravel, loose, wet
25 —	24–28	100 bbm			
-		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o		
		1		Same as above, le	ns of hydrocarbon—like staining at 29'
	28-32	, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			
		1	l · . · · . ·	1	Page 1 of 3

Location: Watchogue Creek						Site Id: WCSB-47
Purpo	se: Soil	Boring				Total Depth: 74.00'
Consu	lting Fi	rm: Dvirka	ı & Bartiluc	ci		Borehole Dia.: 2.00in
-						
Depth (ft)	Recovery	Sample Interval	DId	Graphic Log		Material Description
		32–36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	staining a	D, some gravel, loose, lenses of hydrocarbon—like at 30.5' and 31', wet D, some gravel, loose, wet
35		36–40'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Same as above, so staining o	ome fine gravel, lens of light hydrocarbon—like at 38.5'
40 — - -		40–44'	0.0 ppm 0.0 ppm 0.0 ppm	0 0		SAND, little fine gravel, loose, wet
		44–48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, medium SAN Same as above, lay	ND, loose, wet yer of fine gravel from 46—46.5'
- - - 50		48–52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, medium SAN	ND, some coarse sand, trace gravel, loose, wet
-		52–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Brown, medium SAN	ND, well sorted, loose, wet
		56–60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Same as above	
60 — 		'60—64'		0 0 0 0	No recovery, sampl	e washed out
65		64–66'	0.0 ppm	· · · · ·	Brown, medium SAN	ND, loose, wet
-		66–68'	0.0 ppm 0.0 ppm 0.0 ppm	· · · · ·	Brown, medium SAN	ND, micaceous, dense, wet
		68–70'	0.0 ppm 0.0 ppm 0.0 ppm	· · · · ·	Same as above) little gravel dance wet
-			0.0 þþm	· · · ·	brown, course SANL	D, little gravel, dense, wet Page 2 of 3
						i uye z vi J

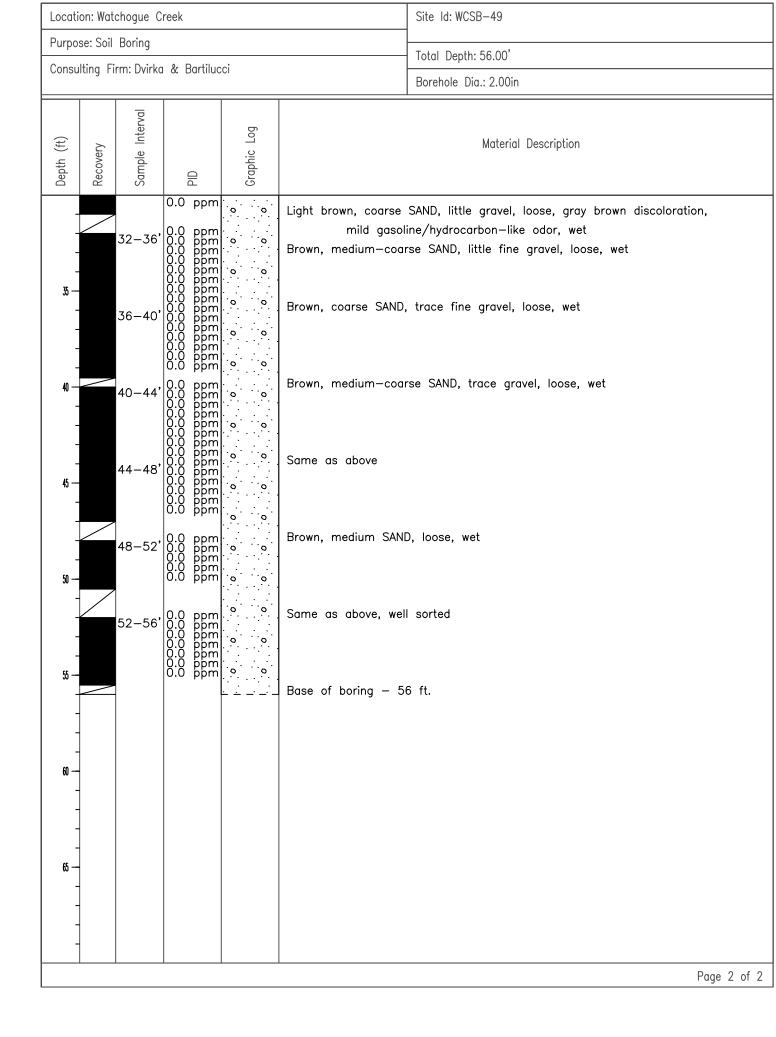
Locati	on: Wat	chogue C	reek			Site Id: WCSB-47
Purpo	se: Soil	Boring				Total Depth: 74.00'
Consu	lting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in
t)		Sample Interval		Log		
Depth (ft)	Recovery	nple		Graphic Log		Material Description
Dep	Red	تع رحم 10	DIA	5 FIIII		
-		70-72	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			ID, some silt, trace clay, micaceous, dense, wet ace clay, micaceous, dense, wet
		72–74'	0.0 ppm 0.0 ppm			uce city, micuceous, dense, wet
-			o.o ppm		Base of boring — [·]	74 ft.
75 —						
-						
-						
80						
-						
85						
-						
-						
90						
-						
-						
95 —						
-						
-						
100						
- 100						
-						
-						
105 —						
-						
						Page 3 of 3

					Site Id: WCSB-48
			virka		Location: Watchogue Creek
		D)B	nd artilu	ссі	Purpose: Soil Boring
	ADIVISION	DF WILLIAM F. C	ONSULTING E		Date(s): 03/22/02 - 03/25/02
					Total Depth: 76.00'
	ion: 18.19'				Remarks: Samples selected for analysis at 6-8', 20-22',
	n: Mean Sea Lev				26-28', 62-64', and 70-72'.
	d By: Innocent T				
<u> </u>	g Method: Geopro				
	actor: Zebra Envi	ironmental			
Boreh	ole Dia.: 2.00in				
Depth (ft)	Recovery Sample Interval	DI D	Graphic Log		Material Description
-	0-4	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · ·	ASPHALT paving	
	4-8' 8-12' 12-16'	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		Light brown/whitish, Orange brown, coar	rse SAND, some gravel, little silt and clay coarse SAND, some gravel, loose, moist se SAND, some gravel, loose, orange discoloration, wet), some gravel, loose, slight orange discoloration, wet
	16-20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0), some gravel, loose, dark gray—black staining from 18— een from 18—19', wet
20-24[0.0 hbm]), some gravel, loose, black tar, gray discoloration, near on sampler from 20.5—21', hydrocarbon—like odor,
25	24–28'	1.1 ppm 1.2 ppm 2.1 ppm 2.3 ppm 2.1 ppm 1.7 ppm	0 0		rse SAND, little rounded gravel, loose, lenses of dk gray— slight smear on sampler, sheen, mild hydrocarbon— wet
-	28–32'	0.1 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	00		urse SAND, loose, mild sheen from 28—28.5', slight on—like odor, wet Page 1 of 3
1					

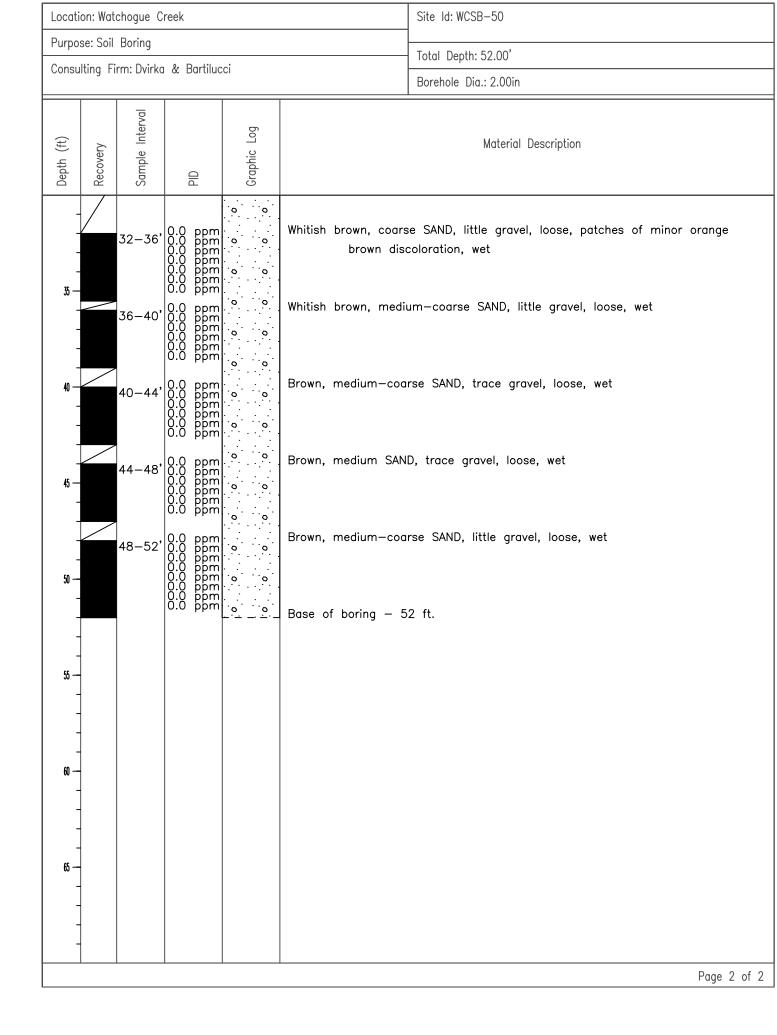




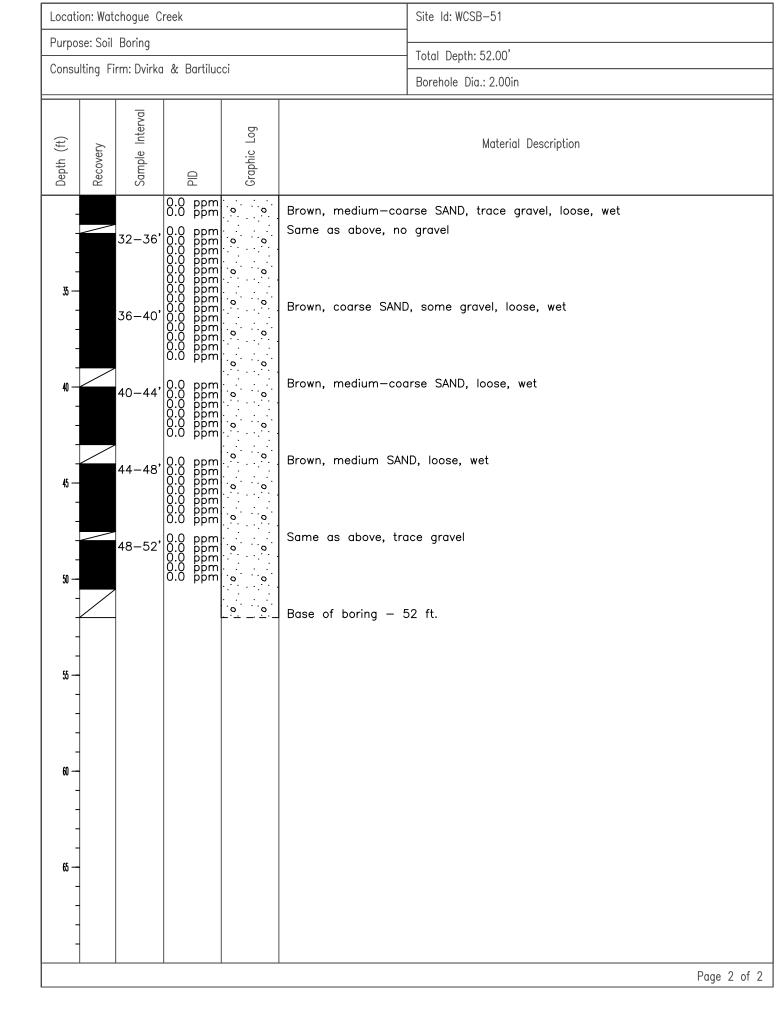
		Site Id: WCSB-49	
Dvirka		Location: Watchogue Creek	
A DIVISION OF WILLIAM F. COSULICHASSOCIATES, P.C.		Purpose: Soil Boring	
		Date(s): 03/26/02 - 03/26/02	
		Total Depth: 56.00'	
Elevation: 18.68'		Remarks: Samples selected for analysis at 4-6', 8-10',	
Datum: Mean Sea Level		and 48-50'.	
Logged By: Innocent Taziva		-	
Drilling Method: Geoprobe		-	
Contractor: Zebra Environmental		-	
Borehole Dia.: 2.00in	1		
Depth (ft) Recovery PID Graphic Log Graphic Log	Material Description		
0-4' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, coarse sandy cinders	y FILL, some gravel, trace clay, little silt, trace ash and	
4-8' 0.0 ppm 0.0 ppm	Brown, coarse sandy FILL, some gravel, trace ash and brick from 4-4.5', dark gray-black discoloration from 4-4.7', gray discoloration from 4.7- 7', gasoline/hydrocarbon-like odor, wet at 4.5'		
8-12' 2.1 ppm 2.3 ppm 2.1 ppm 1.8 ppm		sandy FILL, some gravel, little brick debris, loose, gray— ning, hydrocarbon—like odor, wet	
12-16' 0.0 ppm 0.0 ppm	Brown, coarse SAND wet	, some rounded gravel, loose, mild hydrocarbon—like odor,	
16-20, 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, coarse SAND	, little fine gravel	
20−24, 0.0 ppm ° ° ° ° ° 0.0 ppm ° ° ° ° ° °	. Light brown/tan, co	arse SAND, little gravel, loose, wet	
20-24' 0.0 ppm o o 0.0 ppm o 0	Light brown/tan, co	arse SAND, little gravel	
- 28-32' 0.0 ppm · · · · · · 0.0 ppm · · · · · ·	Light brown, coarse	SAND, little gravel, loose, wet Page 1 of 2	



		Site Id: WCSB-50
Dvirka and		Location: Watchogue Creek
		Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSO		Date(s): 03/27/02 - 03/28/02
	T	Total Depth: 52.00'
Elevation: 19.56'		Remarks: Samples selected for analysis at 8-10', 20-22',
Datum: Mean Sea Level	5	50–52'.
Logged By: Innocent Taziva		
Drilling Method: Geoprobe		
Contractor: Zebra Environmental		
Borehole Dia.: 2.00in		
Depth (ft) Recovery Sample Interval PID Graphic Log	Material Description	
0-4' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 10 0.0 ppm 10 0.0 ppm 10 0.0 ppm 11 12 11 16 10 0.0 ppm 10 0.0 ppm 10 0.0 ppm 10 0.0 ppm 11 0.0 ppm 12 16 10 0.0 ppm 10 0.0 ppm 11 0.0 ppm 12 0.0 ppm 10 0.0 ppm 11 0.0 ppm 12 0.0 ppm 10 0.0 ppm	Tan brown, coarse SAND, s Brown, coarse SAND, s discoloration, Brown, coarse SAND, s staining from Tan/brown, coarse-ver Brown, coarse SAND, s Brown, medium SAND, Light brown/whitish, co Brown, medium SAND,	SAND, some gravel, little silt and clay ND, some gravel, patches of orange-reddish brown staining/ , dry (moist at 6') some gravel, loose, dark brown hydrocarbon-like n 8-9.5', wet ry coarse SAND, some gravel, loose, wet some gravel, loose, wet loose, wet loose, wet
		Page 1 of 2



			Site Id: WCSB-51		
Dvirka			nd		Location: Watchogue Creek
					Purpose: Soil Boring
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.			CSULICHASSO	CIATES, P.C.	Date(s): 03/28/02 - 03/28/02
					Total Depth: 52.00'
	Elevation: 18.68'				Remarks: Samples selected for analysis at 10-12', 30-32',
	Datum: Mean Sea Level				and 48—50'.
	Logged By: Innocent Taziva				-
	g Method: Geopro				-
	actor: Zebra Envi	ronmental			_
Boreh	ole Dia.: 2.00in				
Depth (ft)	Recovery 5 Sample Interval	El anom	Graphic Log	Material Description	
	4-8' 8-12' 12-16' 16-20' 20-24' 20-24' 24-28' 28-32'	mmm mm mm mmm		Brown, medium SAN Brown, coarse-very discolorat Brown, coarse-very staining/o discolorat Staining f Orange brown, coar discolorat Same as above, sc Same as above, lit	coarse SAND, little—some fine gravel, loose, orange discoloration from 8—9.5', whitish brown staining/ ion from 9.5—10', dark brown hydrocarbon—like from 10—12', wet rse SAND, some fine gravel, loose, orange brown ion, wet
			[······	1	Page 1 of 2

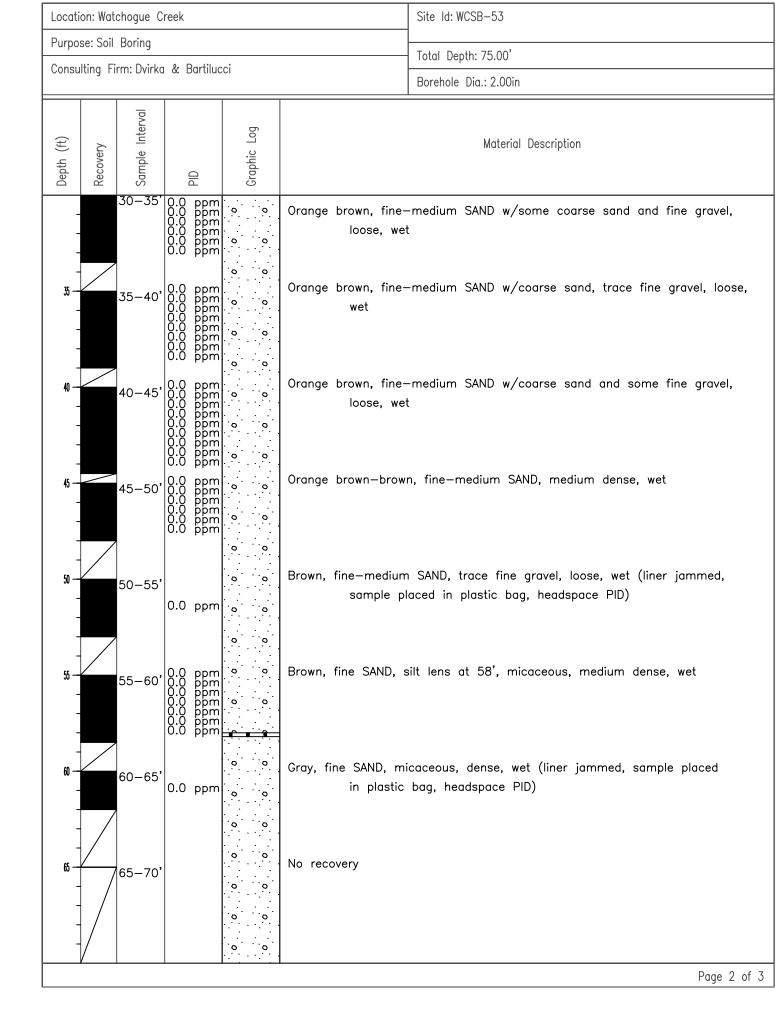


			wirko		Site Id: WCSB-52
)virka nd Bartilu		Location: Watchogue Creek
	Q		Bartilu	CCI NGINEERS	Purpose: Soil Boring
	ADIVISION	OF WILLIAM F. C	OSULICH ASSC	CIATES, P.C.	Date(s): 03/28/02 - 03/29/02
	· 40.40'				Total Depth: 72.00'
	ion: 19.18'	.1			Remarks: Samples selected for analysis at 8-10', 10-12',
	n: Mean Sea Leve				28-30', 48-50', and 70-72'.
	d By: Innocent To				-
	g Method: Geopro actor: Zebra Envi				
	ole Dia.: 2.00in	ronmental			
Boren					
Depth (ft)	Recovery Sample Interval	Old	Graphic Log		Material Description
	0-4'	0.0 ppm 0.0 ppm		ASPHALT paving	
- - - - - - - - - - - - - - - - - - -	4-8' 8-12' 12-16'	0.0 ppm 9.0 ppm 2.1 ppm 1.0 ppm 1.3 ppm 3.0 ppm 3.0 ppm 3.6 ppm 3.6 ppm 3.6 ppm 3.6 ppm 1.0 ppm 6.0 ppm 0.0 ppm		glass Brown, PEAT, trace of Gray, fine SAND, sor black NAPI Gray, medium—coars hydrocarbo Brown, coarse SAND, like odor t like odor t	dy FILL, little gravel, trace silt, little clay, brick, gravel, roots, hydrocarbon-like odor me silt, little clay, loose, soil coated with dark gray/ L at 5', hydrocarbon-like odor, wet e SAND, little silt and gravel, loose, gray staining, on-like odor , some gravel, loose, gray discoloration and petroleum- from 8-9.5', gray brown tar staining and hydrocarbon- from 9.5-11.5', sheen, wet se SAND, some gravel, loose, orange brown discoloration,
- - 15 - - -	16-20'	0.0 ppm 0.0 pppm 0.0 pppm 0.0 pppm 0.0 ppm 0.5 pppm 0.5 pppm 0.5 pppm 0.5 pppm 0.5 pppm 0.5 pppm	o o o o	wet Brown, medium SANI	D, trace gravel, loose, wet
20	20–24'	1.0 ppm 0.6 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0		, some gravel, loose, patches of orange brown staining, I naphthalene—like odor from 22—23', wet
- 25 — - - - -	24-28' 28-32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 6.7 ppm 6.5 ppm 4.0 ppm 3.2 ppm	0 0 0 0 0	staining, w Dk brown, coarse SA	SAND, little gravel, loose, dark brown hydrocarbon—like vet AND, loose, heavy dk brown—black hydrocarbon—like staining, on/naphthalene—like odor, wet
		1	· · · ·	I	Page 1 of 3

Locat	ion: Wat	chogue C	reek			Site Id: WCSB-52	
Purpo	ose: Soil	Boring				Total Depth: 72.00'	
Consi	ulting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in	
Depth (ft)	Recovery	Sample Interval	DID	Graphic Log		Material Description	
		32–36'	2.1 ppm 1.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	hydrocarbo	ND, loose, heavy dk brown-black hydrocarbon-like staining, n/naphthalene-like odor, wet k brown hydrocarbon-like staining, no odor	
- U. - - -		36–40'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0		SAND, little fine gravel, loose, dark brown hydrocarbon— g, sheen and slight hydrocarbon—like odor from wet	
40		40–44'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	reddish bro	SAND, trace gravel, loose, patches of orange brown— own discoloration, hydrocarbon—like staining, slight hydrocarbon—like odor from 41.5—43', wet	
45 -		44–48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	discoloratio	arse SAND, trace gravel, loose, patches of orange brown on, dark brown hydrocarbon—like staining from 46—47', ocarbon—like odor, wet	
50 -		48–52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · · · · · · · · · · · · · · · · · ·	Brown, medium SANI), loose, sheen from 48–49', wet	
55		52–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Brown, medium SANI), loose, wet	
		56–60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Same as above		
60		60–64'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0	Brown, medium SAND, slightly dense, wet Same as above, dense		
65 -		64–68'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0			
		68–70'		0 0 0 0	No recovery		
						Page 2 of 3	

Locati	on: Wat	chogue C	reek			Site Id: WCSB-52	
Purpo	se: Soil	Boring				Total Depth: 72.00'	
Consu	lting Fi	rm: Dvirka	& Bartiluc	ci		Borehole Dia.: 2.00in	
Depth (ft)	Recovery	Sample Interval	DIG	Graphic Log		Material Description	
-		70–72'	0.0 ppm 0.0 ppm		Gray, medium SAND,	little fine gravel, dense, wet	
				III.	Gray, silty SAND, sor	me clay, micaceous, dense, wet	
-					Base of boring — 7:	2 π.	
75 —							
-							
-							
80 —							
-							
-							
85 —							
-							
-							
90							
-							
-							
95							
-							
-							
100							
-							
405							
105							
-							
-							
						P	age 3 of 3

					Site Id: WCSB-53		
)virka Ind		Location: Watchogue Creek		
		■ ()) E	Bartilu		Purpose: Soil Boring		
	ADIVIS	ION OF WILLIAM F.			Date(s): 05/23/02 - 05/24/02		
					Total Depth: 75.00'		
	ion: 16.39'				Remarks: Samples selected for analysis at 5-7', 25-27',		
	n: Mean Sea L				45-47', and 70-72'.		
	d By:John So				-		
	-	nd Augered 0-	-5', Geoprot	be 5–75'	-		
	actor: Zebra E				-		
Boreh	Borehole Dia.: 2.00in						
Depth (ft)	Recovery G-O Sample Interval	GIA	Graphic Log		Material Description		
-	0-5	0.0 ppm	0 0 0 0		parse SAND w/fine gravel and some coarse gravel, r-wet (composite sample)		
5	5-10	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Dark brown—gray, f	ine—coarse SAND w/fine—coarse gravel, loose, wet		
	10-1	5' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	· · ·	Gray—tan—orange b wet	rown, fine—coarse SAND w/fine—coarse gravel, loose,		
15 - - -	15-2	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	• • •	Dark orange brown,	fine—coarse SAND w/fine gravel, loose, wet		
20	20-2	25 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0 0 0	Same as above			
25 - - -	25-3	30' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0 0	Orange brown, fine-	-medium SAND w/coarse sand, loose-medium dense, wet		
					Page 1 of 3		



Locati	on: Wate	chogue C	reek			Site Id: WCSB-53	
Purpose: Soil Boring			Total Depth: 75.00'				
Consu	Consulting Firm: Dvirka & Bartilucci			Borehole Dia.: 2.00in			
Depth (ft)	Recovery	Sample Interval	DId	Graphic Log		Material Description	
-		70–75	0.0 ppm 0.0 ppm			D, micaceous, lens of silty coarse sand w/trace-	
		70–75'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		some fine	gravel, medium dense, wet	
			0.0 ppm		Base of boring — 7	′5 ft.	
-							
80							
-							
85							
90							
-							
-							
95							
100							
-							
-							
105							
-							
						D	
	Page 3 of 3						

Dete(s): 02/27/02 - 02/27/02 Dete(s): 02/27/27/02 - 02/27/27/27/27/27/27/27/27/27/27/27/27/27		Desirales	Site Id: BBMW-05D2			
Detun: Wean Sea Level Detun: Wean Sea Level Location: Bay Share/Brightwaters Purpose: Monitoring Weil, Deep Completed Depth: 138.50' Total Depth: 226.00' Location: Bay Share/Brightwaters Screens: Sprespress: Spress: Spress: Spress: Spress: Spress: Spre		Dvirka and	Date(s): 02/27/02 - 02/27/02			
Abristion of Nature Lines Construct Net associates PS. Elevation: 23.06' Measuring Paint: 25.35' Location: Bay Shore/Brightwaters Screence: Total Depth: 226.00' Purpose: Monitoring Well, Deep type: Slotted Size: 0.010in dis: 2.00in fm: 40.0' to: 14.00' Logged By: Tom: Fox type: Slotted Size: 0.010in dis: 2.00in fm: 40.0' to: 14.00' Upged By: Tom: Fox type: Slotted Size: 0.020in dis: 2.00in fm: 126.50' to: 14.00' Drilling Method: Rotosonic Remarks: Includes well screens for monitoring wells: MM-050, BBMM-050, BBMM-050, BBMM-050, Control to: 74.00' Borehole Dia: 6.00in Remarks: Includes well screens for monitoring wells: MM-050, BBMM-050, BBMM-050, Control to: 74.00' G: Give By:)Bartilucci				
Location: Bay Shore/Brightwaters Completed Depth: 138.50' Total Depth: 226.00' Purpose: Monitoring Well, Deep Screens: type: Stotted size: 0.010in dia: 2.00in the: 55.00' fm: 4.00' to: 14.00' Logged By: Tom Fox Uppe: Stotted size: 0.020in dia: 2.00in the: 55.00' fm: 4.00' to: 74.00' Drilling Method: Rotosonic Borehole Size: 0.020in dia: 2.00in the: 55.00' fm: 4.00' to: 74.00' Drilling Method: Rotosonic Completed Size: 0.020in dia: 2.00in the: 55.00' fm: 4.00' to: 74.00' Contractor: Prasonic Moterial Description Griptic Size: 0.020in dia: 2.00in the: 55.00' fm: 4.00' to: 74.00' Uppe: Stotted Size: 0.020in dia: 2.00in the: 55.00' Remarks: Includes well screens for monitoring wells: MM-050, BBMW-050 ond BBMW-0502 fm: 4.00' to: 74.00' Uppe: Stotted Size: 0.020in dia: 2.00in the: 55.00' Remarks: Includes well screens for monitoring wells: MM-050, BBMW-050 ond BBMW-0502 fm: 4.00' to: 70.00' Uppe: Stotted Size: 0.020in dia: 2.00in the: 55.00' Red-yellow, coarse SAND and GRAVEL, loose, dry fm: 50.00' fm: 50.00' Uppe: Stotte Size: 0.020in dia: 2.00in the: 55.00' Fm: 50.00' fm: 50.00' fm: 50.00' Uppe: Stotte Size: 0.020in dia: 2.00in the: 50.00' Fm: 50.00' fm: 50.00' fm:	A DIVISION OF WILLIA			Measuring Point	: 25.35'	
Location: Bay Shore/Brightwaters Screens: type: Slotted size: 0.010in dis: 2.00in fm: 55.00° Logged By: Tom Fox to:::::::::::::::::::::::::::::::::::						
Purpose: Monitoring Well, Deep tpp: Statted size: 0.010in dir: 2.00in fm: 4.00' fb: 4.00' Lagged By: Tom Fox to: 14.00' to: 14.00' <td>Location: Bay Shore/Brightwa</td> <td>ers</td> <td>· · · · ·</td> <td></td> <td></td>	Location: Bay Shore/Brightwa	ers	· · · · ·			
Logged By: Tom Fox type: Slotted size: 0.020in dic: 2.00in bype: Slotted size: 0.020in dic: 2.00in fm: 126.00 to: 74.00' ype: Slotted size: 0.020in dic: 2.00in fm: 126.00' ype: Slotted size: 0.020in dic: 2.00' ype: Slotted size: 0.02	Purpose: Monitoring Well, Dee	0	type: Slotted size: 0.010in dia: 2.			
Diffing Method: Rotosonic Provide Disc 6.00in Borehole Disc 6.00in Remarks: Includes: well screens for monitoring wells: MW-0SD, BBMW-0SD and BBMW-0SD2 Contractor: Prosonic Material Description 0 0 11-16 0 0 0 11-16 0 0 0 11-16 0 0 0 11-16 0 0 0 11-16 0 0 0 0	Logged By: Tom Foxtype: Slotted type: Slotted size: 0.020in fm: 2.00in fm: 64.00'to: 4 to: 4 to: 7					
MW-05S, MW-05D, BBMW-05D and BBWW-05D2 Contractor: Prosonic Material Description Sign and Sign	Drilling Method: Rotosonic					
Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contractor: Prosonic <	Borehole Dia.: 6.00in				i.	
0-7 0.0 ppm CO ppm	MW-05S, MW-05D, BBMW-05D and BBMW-05D2					
1 0.0 ppm 0.0 pp			Description	Graphic Log	Screen Zones	
- 60 ppm - 34 ppm 24 ppm	- 0.0 ppr 0.0 pp	 Pale yellow, coarse SAND, loose, ma Medium-fine SAND and coarse GRAV hydrocarbon-like odor, we Yellow, coarse SAND and GRAVEL, loo hydrocarbon-like odor, we Gray, medium-fine SAND, well sorte wet Gray-black, med-coarse SAND w/fin like odor Brown, coarse-very coarse SAND w/fin strong hydrocarbon-like odor, we coarse SAND and fine GRAVEL, loos hydrocarbon-like odor, we Light gray, medium-coarse SAND w/ sheen Light brown, medium-coarse SAND, slight hydrocarbon-like odor 	VEL, loose, dry Dist VEL, loose, light tar staining, slight et pose, light tar staining, sheen, light et id, loose, light hydrocarbon—like od ne gravel, loose, strong hydrocarbon (gravel, loose, taffy—like tar blebs, odor e, heavy tar staining, moderate et /gravel, slight hydrocarbon—like od avel, tar seams at 25' and 25.5', loose, small tar seam at 30', she	0 0 0 0 0 <		

Consulting Firm: Dvirko	a & Bart	ilucci	Site Id: BBMW-05D2		
Location: Bay Shore/B	Brightwate	rs	Date(s): 02/27/02 - 02/27/02		
Purpose: Monitoring W	ell, Deep		Total Depth: 226.00'		
Depth (ft) Recovery Sample Interval	PID	Materio	al Description	Graphic Log	Monitoring Well Screen Zones
34-39 5 - - - - - - - - - - - - -	722 2426 727 723 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727 727	odor Brown, medium-coarse SAND, loose, naphthalene-like odor, wei Brown, fine SAND, loose, sheen, mo Brown, medium-coarse SAND, little 38-38.5', wet Light brown, medium-coarse SAND, 42.5-44', loose, tar satur and 42.5-44', moderate r Lt brown, medium SAND, little fine of odor from 46-47', strong moderate hydrocarbon-like from 48-50', wet	t derate naphthalene-like odor, wet fine gravel, loose, black tar from little gravel, more gravel from ated zones from 39.5-40' naphthalene-like odor, wet gravel, loose, mod naphthalene-like naphthalene-like odor from 47-47.5', e odor and heavy black tar staining		
55-60' - - 0 - 60-66'	279 1230 1230 1230 1230 1230 1230 1230 1230	like odor, wet Light yellow, fine-medium SAND, we like odor, wet	nd 57.5-58.5', strong naphthalene- Il sorted, loose, slight naphthalene- n-fine SAND, loose, tar staining from		Page 2 of 6

Consulting Firm: Dvirka & Bartilucci Site Id: BBMW-05D2			
Location: Bay Shore/Brightwaters Date(s): 02/27/02 - 02/27/02	Date(s): 02/27/02 - 02/27/02		
Purpose: Monitoring Well, Deep Total Depth: 226.00'			
	<u> </u>		
	Graphic Log Monitoring Well Screen Zones		
Image: Display the i	Page 3 of 6		

Consulting Firm: Dvirka & Barti	lucci	Site Id: BBMW-05D2		
Location: Bay Shore/Brightwater	rs	Date(s): 02/27/02 - 02/27/02		
Purpose: Monitoring Well, Deep Total Depth: 226.00'				
Depth (ft) Recovery Sample Interval PID	Materia	al Description	Graphic Log	Monitoring Well Screen Zones
Image: Solution of the second secon	Gray, fine-medium SAND w/silt, slig Light gray, fine-medium SAND w/sil Light gray, medium-coarse SAND, lif Light gray, medium-fine SAND and loose, wet Gray, medium-fine SAND w/silt, loos Gray, medium-fine SAND w/silt, loos Dark gray, CLAY, to gray, medium-f Dark gray, CLAY, to gray, medium-f Dark gray, CLAY Gray, medium-fine SAND w/silt, loos Gray, medium-fine SAND w/silt, loos Gray, medium-fine SAND w/silt, loos Gray, medium-fine SAND w/silt, loos Gray, CLAY and silt, lignite, hard, pl Gray, medium-fine SAND w/silt, loos Gray, CLAY, to SAND Black, CLAY, hard Grayish black, medium-coarse SAND	t, loose, wet ttle silt, loose, wet SILT, brown clay/silt at 125', se, wet se, wet fine SAND w/silt, loose, wet se, wet astic ray CLAY and silt, hard, plastic se, wet		Mo
			· · · · · · · · · · · · · · · · · · ·	Page 4 of 6

Consu	Consulting Firm: Dvirka & Bartilucci			ilucci	Site Id: BBMW-05D2		
Locat	ion: Bay	/ Shore/	Brightwate	rs	Date(s): 02/27/02 - 02/27/02		
Purpo	se: Mor	nitoring V	Vell, Deep		Total Depth: 226.00'		
Depth (ft)	Recovery	Sample Interval	PID	Materi	al Description	Graphic Log	Monitoring Well Screen Zones
- - - 155		151–156'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Grayish black, medium—coarse SAND Grayish black, medium SAND, little s		0 0 0	
- - - - 160 —		156–161'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Grayish black, medium—coarse SAND) w/silt, loose, wet		
- - - - 165 —		161–166'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Grayish black, coarse—very coarse S Gray, coarse SAND w/silt, loose, we Gray, medium SAND and SILT, slight	t		
- - - - - 170 —		166–171'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Gray, coarse SAND, little silt, well s	orted, loose, wet	· · · · · · · · · · · · · · · · · · ·	
- - - - - -	-	171–176'	0.0 ppm 0.0 pp	Same as above		0 0 0	
	-	176–181'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Gray, coarse SAND, little—trace silt, Light gray, very coarse SAND, trace		0 0 0	
-	-	181–186'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Light gray, very coarse SAND, little- Gray, coarse SAND w/little silt	-trace silt, loose, wet	0 0 0 0	
- 185 - - -		186–196'	0.0 ppm 0.0 ppm	Gray, coarse SAND w/little silt, loos	e, wet	0 0 0	
			rr			<u> · . · · · . </u>	Page 5 of 6

Location: Boy Share/Phightwaters Purpose: Monitoring Well, Deep Total Depth: 228.00' To	Consu	Consulting Firm: Dvirka & Bartilucci			ilucci	Site Id: BBMW-05D2		
Image: state	Locat	ion: Bay	/ Shore/	Brightwate	ers	Date(s): 02/27/02 - 02/27/02		
B Old perm Code	Purpo	se: Mor	nitoring V	Vell, Deep		Total Depth: 226.00'		
8 0.0 ppm 0.0 pp	Depth (ft)	Recovery	Sample Interval		Materia	al Description	Graphic Log	Monitoring Well Screen Zones
			196–206'	0.0 ppm 0.0 pp	Gray, coarse SAND, trace silt, loose, Same as above			
Page 6 of 6	- - - - - - - - - - - - - - - - - - -			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Gray, silty fine SAND w/clay, wet	, wet		Page 6 of 6

	Site Id: BBMW-06ST		
Dvirka	Date(s): 02/14/02 - 02/14/02		
	Datum: Mean Sea Level		
ADIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.	Elevation: 25.24'	Measuring Point	: 28.34'
	Completed Depth: 17.00'	Total Depth: 20.	00'
Location: Bay Shore/Brightwaters	Screens:		
Purpose: Monitoring Well, Shallow	type: Slotted size: 0.010in dia: 1	.00in fm: 5.00'	to: 15.00'
Logged By: Tom Fox	_		
Drilling Method: Geoprobe Borehole Dia.: 3.00in	Remarks:		
Contractor: Zebra Environmental			
Pepth (ft) Sample Interval	Description	Log	Zones
Material Line Line Line Line Line Line Line Line	Description	Graphic Log	Screen Zones
		Gra	Scr
14 ppm 25 ppm 56 ppm 10-15', 117 ppm 10-15', 117 ppm 159 ppm 10-15', 117 ppm 159 ppm 150 ppm 150 ppm 150 ppm 150 ppm 150 ppm 150 ppm 150 ppm 152 ppm 11.5', slight staining, 152 ppm 152 ppm 152 ppm 152 ppm 152 ppm 152 ppm 152 ppm 153 spm 154 spm 155 spm	ND w/fine gravel, loose, staining, -like odor, moist (wet at 7.5') ght staining, moderate hydrocarbo tle gravel, loose, tar band from strong hydrocarbon—like odor, el, loose, moderate hydrocarbon- SAND w/fine gravel, loose,	on- 11-	
		I	Page 1 of 1

C		Dvirka	Site Id: BBMW-17I			
		and	Date(s): 03/08/02 - 03/08/02			
	\bigcirc	and Bartilucci CONSULTING ENGINEERS	Datum: Mean Sea Level			
ADIVISION	OF WILLIAM	F. COSULICH ASSOCIATES, P.C.	Elevation: 23.46'	Measuring	Point: 25.87	,
	.		Completed Depth: 42.50'	Total Dept	th: 43.00'	
Location: Bay Shore/			Screens:			
Purpose: Monitoring W		nediate	type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2			15.50' 40.50'
Logged By: John Sch						
Drilling Method: Rotos	onic			• •		
Borehole Dia.: 6.00in			Remarks: Includes well screens for BBMW-17S and BBMW-17I	monitoring	g wells:	
Contractor: Prosonic						
Depth (ft) Recovery Sample Interval	DID		Description	-	Graphic Log	Screen Zones
5 6-9' 9-18' 18-22' 20-	EEEEEEE EEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	cement layer at 2.5', loo 4.5', moist Brown, sandy SILT, stiff, slightly plo Brown, fine-coarse SAND w/some hydrocarbon-like odor, m Black, fine-coarse SAND w/some fi staining, heavy hydrocarbo Orange brown, fine-coarse SAND w tar blebs, slight hydrocarbo	SAND w/some fine and coarse gr ase, hydrocarbon-like odor at astic fine-coarse gravel, loose, slight noist ine-coarse gravel, loose, black on-like odor, moist /fine-coarse gravel, loose, some bon-like odor, moist fine-coarse gravel, loose, brown layer at 20.5', naphthalene- fine-coarse gravel, loose, sporadi layers at 24.5' and 26', dor, moist	0 0		

Consulting Firm: Dvirka &	e Bartilucci	Site Id: BBMW-17I			
Location: Bay Shore/Brigh	htwaters	Date(s): 03/08/02 - 03/08/02			
Purpose: Monitoring Well,	Intermediate	Total Depth: 43.00'			
		I Description	Graphic Log	Monitoring Well Screen Zones	
33-38' 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	 ppm ppm ppm ppm ppm ppm ppm ppm Light orange brown, fine-medium S/ fine gravel, loose, moist Light brown w/some orange brown fine gravel, trace coarse of ppm ppm Orange brown, fine-coarse SAND w/ ppm ppm Base of boring - 43 ft. 	mottling, fine—coarse SAND w/some gravel			
				Page 2 of 2	

Logged By: Tom Fox type: Slotted size: 0.010in dia: 2.00in fm: 30.00' to: 40 Drilling Method: Rotosonic Borehole Dia: 6.00in Remarks: Includes well screens for monitoring wells: BBMW-183, BBMW-180 BBMW-180 Contractor: Prosonic Get Material Description 60 get		BMW-18D		
Determine Dott	Date(s): C	3/09/02 - 03/09/02		
ADMERIC OF WILLIAM E COBULCHASSOCIATES P.C. Elevation: 22.45' Measuring Point: 25.03' Location: Bay Shore/Brightwaters Screens: Completed Depth: 72.00' Total Depth: 78.00' Purpose: Monitoring Well, Deep types Slotted size: 0.010in dia: 2.00in fm: 50.00' to: 16 Loged By: Tom Fox types Slotted size: 0.010in dia: 2.00in fm: 50.00' to: 40 Drilling Method: Ratosonic Barehole Dia: 6.00in Remarks: Includes well screens for monitoring wells: BBMW-183, BBMW-183, BBMW-180 Contractor: Prosonic Barehole Dia: 6.00in Remarks: Includes well screens for monitoring wells: BBMW-183, BBMW-180 Borhole Dia: 6.00in Get Material Description Get Barehole Dia: 6.00in Get Material Description Get Barehole Dia: 6.00in Get Dark brown, sitty sandy FLL w/gravel, some coal particles, concrete slab from 0-0.5', loose, moist Light gray-olive, silty CLAY, roots, plastic, wet Uight gray-olive, silty CLAY, roots, plastic, wet Light gray-olive, silty CLAY, roots, plastic, wet Get Get 18-28' Weight brown-brown-red, medium SAND, little gravel, loose, slight hydrocarbon-like odor Get Get Get 18-28' Weight brown, medium-coarse SAND, little gravel, loose, toffy-like tar zone from 20-20.5' w/slight tar-like odor <td>() Bartilucci</td> <td></td> <td></td> <td></td>	() Bartilucci			
Location: Bay Shore/Brightwaters Screens: type: Slotted size: 0.010in dic: 2.00in type: Slotted size: 0.010in dic: 2.00in fm: 60.00 ⁺ to: 16 to: 40 type: Slotted size: 0.010in dic: 2.00in fm: 60.00 ⁺ to: 70 Drilling Methad: Rotesonic Remarks: Includes well screens for monitoring wells: BBIW-18S, BBIW-18I, and BBIW-180 difference Contractor: Prosonic Image: 100 difference Image: 100 difference 0 Image: 100 difference Image: 100 difference Image: 100 difference 0 Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference 0 Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference 0 Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference 10 Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference 11 Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference Image: 100 difference 11 Image: 100 difference Image: 100 difference Image: 100 difference <t< td=""><td></td><td>22.45'</td><td>Measuring Point: 2</td><td>25.03'</td></t<>		22.45'	Measuring Point: 2	25.03'
Purpose: Monitoring Well, Deep Screens: type: Slotted size: 0.010in dic: 2.00in type: Slotted size: 0.010in dic: 2.00in fm: 60.00' to: 40 type: Slotted size: 0.010in dic: 2.00in fm: 60.00' to: 40 type: Slotted size: 0.010in dic: 2.00in fm: 60.00' to: 40 fm: 60.00' to: 70 Drilling Method: Ratesonic Borehole Dia: 6.00in Remarks: Includes well screens for monitoring wells: BBWW-18S, BBMW-18I and BBMW-180 Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic Image: Contractor: Presonic	Complete	d Depth: 72.00'	Total Depth: 78.00)'
Logged By: Tom Fox type: Slotted size: 0.010in dia: 2.00in fm: 30.00' to: 40 type: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Drilling Method: Rotosonic Barehole Dia: 6.00in Remarks: Includes well screens for monitoring wells: BBW-185, BBW-181 and BBWW-180 Contractor: Prosonic Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Image: Slotted size: 0.00in fm: 60.00' to: 70. Image: Slotted	Screens:			
Logged By: Iom Fox type: Slotted size: 0.010in dia: 2.00in fm: 60.00' to: 70. Drilling Method: Rotosonic Borehole Dia: 6.00in Remarks: Includes well screens for monitoring wells: Borehole Dia: 6.00in Bark brown, silty sondy FILL w/gravel, some coal particles, concrete slab from 0–0.5', loose, moist BBMW-180 Image: State of the s	type: Slot			to: 16.00' to: 40.00'
Borehole Dia: 6.00in Remarks: Includes well screens for monitoring wells: Contractor: Prosonic BBWW-185, BBMW-181 and BBMW-180 (1) (1) (1) (1) (1) (1) (1) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (3) (2) (2) (4) (3) (3) (4) (3) (3) (4) (3) (3) (4) (3) (3) (4) (3) (3) (4) (3) (3) (5) (3) (3) (5) (3) (3) (5) (3) (3) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)<	Logged By: Tom Fox type: Slot			to: 70.00'
Contractor: Prosonic BBMW-18S, BBMW-18I and BBMW-18D Image: Contractor: Prosonic Image: Contractor: Prosonic Image: Contre				
(1) (1) <td>BBMW-18</td> <td></td> <td></td> <td></td>	BBMW-18			
0-8' 0.0 ppm 135 ppm 145 ppm 15 ppm 15 ppm 15 ppm 15 ppm 16 ppm 17 ppm 17 ppm 17 ppm 17 ppm 17 ppm 18 - 18' Dark brown, silty sandy FILL w/gravel, some coal particles, concrete slab from 0-0.5', loose, moist Light gray-olive, silty CLAY, plostic, slight hydrocarbon-like odor, wet (recent silt/clay unit) 8-18' 37 ppm 195 ppm 19				
8-18' 37 ppm 195 ppm 525 ppm 1000 ppm Light brown, medium-coarse SAND, little gravel, loose, taffy-like 1000 ppm 1000 ppm 1000 ppm 1000 ppm 1000 ppm Light brown, medium-coarse SAND, little gravel, loose, taffy-like 1000 ppm 1000 ppm 18-28' 00 ppm 1000 ppm 1000 ppm 1000 ppm Light brown, medium-coarse SAND, little gravel, loose, taffy-like 1000 ppm 00 ppm 1000 ppm 1000 ppm			Graphic Log	Screen Zones
	 8-18' 37 ppm 195 ppm 388 ppm 425 ppm 650 ppm 1050 ppm 1050 ppm 1050 ppm 1050 ppm 200 ppm 1050 ppm 200 ppm 1050 ppm 200 ppm 20 ppm 20	hydrocarbon—like odo wet avel, loose, light blac odor, sheen on wate e gravel, loose, sligh ravel, loose, taffy—lik tar—like odor	r, ck er e e	

Consulting Firm: Dvirka & Bartilucci					Site Id: BBMW-18D			
Loco	ation: Bay	y Shore/	Brightwate	ers	Date(s): 03/09/02 - 03/09/02			
Purp	Purpose: Monitoring Well, Deep				Total Depth: 78.00'			
Depth (ft)	Recovery	Sample Interval	DIG	Materia	al Description	Graphic Log	Monitoring Well Screen Zones	
50 50 50 50		36-48' 48-57'	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	Light brown, medium-coarse SAN Same as above Same as above Light brown, medium-fine SAND,				
60	-	57–68'	00000000000000000000000000000000000000	Same as above Brown, fine SAND, trace silt, well discoloration, wet		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
		68–78'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown—red, fine SAND, well sorted Brown, silty coarse SAND w/grave				
							Page 2 of 3	

Location: Bay Shore/Brightwaters Date(s): 03/08/02		Consulting Firm: Dvirka & Bartilucci				ilucci	Site Id: BBMW-18D		
(L) Used	ŀ	Locatio	on: Bay	Shore/	Brightwate	ers	Date(s): 03/09/02 - 03/09/02		
Gray, fine SAND w/silt, micaceous, slightly hard, wet Gray, SILT w/fine sand, zones of clay, pyrite nodules, hard, wet Black-dark gray, silty CLAY, hard, moist Gray, silty fine SAND, micaceous, loose, wet Black, silty CLAY, hard, moist Black, silty CLAY, hard, moist Black - dark gray, silty fine SAND, micaceous, loose, wet Black, silty CLAY, hard, moist Black - dark gray, silty fine SAND, micaceous, loose, wet Black, silty CLAY, hard, moist Black - dark gray, silty CLAY, hard, moist Black - dark gray, silty fine SAND, micaceous, loose, wet Black - dark gray, silty CLAY, hard, moist Black - dark gray, silty CLAY, hard, moist Black - dark gray, silty fine SAND, micaceous, loose, wet Black - dark gray, silty CLAY, hard, moist Black - dark gray, silty CLAY, hard, moist Black - dark gray, silty fine SAND, micaceous, loose, wet Black - dark gray, silty CLAY, hard, moist Black -	ľ	Purpos	se: Mon	itoring V	Vell, Deep				
		Depth (ft)	Recovery	Sample Interval	PID	Materia	al Description	Graphic Log	Monitoring Well Screen Zones
Page 3 of 3					0.0 ppm 0.0 ppm	Gray, SILT w/fine sand, zones of Black—dark gray, silty CLAY, hard Gray, silty fine SAND, micaceous, Black, silty CLAY, hard, moist	clay, pyrite nodules, hard, wet , moist		Page 3 of 3

	Site Id: BBMW-19D		
Dvirka and	Date(s): 03/11/02 - 03/11/02		
O and Bartilucci	Datum: Mean Sea Level		
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.	Elevation: 22.81'	Measuring Point: 25.33'	
	Completed Depth: 76.75'	Total Depth: 88.00'	
Location: Bay Shore/Brightwaters	- Screens:		
Purpose: Monitoring Well, Deep	type: Slotted size: 0.010in dia: 2.0 type: Slotted size: 0.010in dia: 2.0		
Logged By: Tom Fox	type: Slotted size: 0.010in dia: 2.0		
Drilling Method: Rotosonic			
Borehole Dia.: 6.00in	Remarks: Includes well screens for BBMW-19S, BBMW-19I and BBMW-		
Contractor: Prosonic			
PID PID	Description	Graphic Log	Screen Zones
8-18" 1604 ppm 1906 ppm 1906 ppm 1704 ppm 1704 ppm 1704 ppm 1704 ppm 1704 ppm 1704 ppm 1704 ppm 1704 ppm 1704 ppm 1705 ppm 1710	moist we SAND, little gravel, loose, heavy ated grains, NAPL saturated from drocarbon—like odor w/gravel, loose, heavy black rains, strong hydrocarbon— gravel, loose, taffy—like tar mixed ated from 25—26', wet		
		0 0 	

Consu	ulting F	ïrm: Dvirk	a & Bart	ilucci	Site Id: BBMW-19D			
Locat	ion: Bay	y Shore/	Brightwate	ers	Date(s): 03/11/02 - 03/11/02			
Purpo	Purpose: Monitoring Well, Deep				Total Depth: 88.00'			
Depth (ft)	Recovery	Sample Interval	PID	Materi	al Description	Graphic Log	Monitoring Well Screen Zones	
- - - - - - -	-		8.0 ppm 9.0 ppm 10 ppm 24 ppm 20 ppm 7.5 ppm 9.0 ppm 10 ppm 24 ppm 26 ppm 28 ppm 28 ppm 10 ppm	Brown-brownish red, medium SANI taffy-like tar clumps (30 slight hydrocarbon-like c	D-31', 33-34', and 35-37'),	0.000000000000000000000000000000000000		
- - 40 -		38–48'	10 ppm 17 ppm 12 ppm 10 ppm 24 ppm 10 ppm 7.0 ppm 0.2 ppm	Light brown, medium—coarse SAND 39—40', slight hydrocarb	on-like odor, moist	0 0 0		
- 			10 ppm 17 ppm 12 pppm 24 pppm 24 pppm 24 pppm 20 22 ppm 20 22 ppm 20 22 ppm 20 22 ppm 1.0 pppm 1.0 pppm 1.0 pppm 1.0 pppm 1.0 pppm 2.4 ppm 2.4 ppm 0.0 pppm 0.0 pppm	Light brown, medium SAND, little g Brown, medium SAND, little gravel,		0 0 0 0		
	-	48–58'	5.0 ppm 5.0 ppm 5.0 ppm 5.0 ppm 24 ppm 16 ppm 18 ppm 20 ppm 5.0 ppm 6.0 ppm 6.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, medium—fine SAND, well so like tar from 51—52', we	rted, loose, sporadic taffy—	0 0 0 0 0 0		
- - - - - - - - - - - - - - - - -		58–68'	0.0 ppm 0.0 ppm 18 ppm 18.0 ppm 4.0 ppm 4.0 ppm 4.0 ppm 4.0 ppm 4.0 ppm 4.0 ppm 4.0 ppm 4.0 ppm 0.0 pp	Brown, medium—fine SAND, well sc at 58—58.5', wet	rted, loose, small tar globule	0 0 0 0 0 0 0 0		
- 65 - - - - -		68–78'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 2.0 ppm 2.0 ppm 3.0 ppm 3.0 ppm	Brown, fine—very fine SAND, well s discoloration, wet Brown, silty SAND, micaceous Brown, silty fine SAND, micaceous,		0 0	Page 2 of 3	

Consulting Firm: Dvirka & Bo	ntilucci	Site Id: BBMW-19D			
Location: Bay Shore/Brightwo	iters	Date(s): 03/11/02 - 03/11/02			
Purpose: Monitoring Well, Dee	ep	Total Depth: 88.00'			
Depth (ft) Recovery Sample Interval PID	Materia	al Description	Graphic Log	Monitoring Well Screen Zones	
- - - 5.0 ppm - - 5.0 ppm - - 5.0 ppm - - - - - </td <td> Brown, silty fine SAND, micaceous, Brown, silty fine SAND and gravel, odor and heavy sheen fr Gray, silty fine SAND, micaceous, s Black, silty CLAY, hard, moist Light gray, silty fine SAND, micace Black, silty CLAY, hard, moist Light gray, silty fine SAND, loose, Black, silty CLAY, hard, moist Light gray, silty fine SAND, loose, Black, silty CLAY, hard, moist Base of boring – 88 ft. </td> <td>loose, slight hydrocarbon-like rom 72.5-73', wet slightly hard, wet rous, slightly hard, wet rous, slightly hard, wet</td> <td></td> <td>Page 3 of 3</td>	 Brown, silty fine SAND, micaceous, Brown, silty fine SAND and gravel, odor and heavy sheen fr Gray, silty fine SAND, micaceous, s Black, silty CLAY, hard, moist Light gray, silty fine SAND, micace Black, silty CLAY, hard, moist Light gray, silty fine SAND, loose, Black, silty CLAY, hard, moist Light gray, silty fine SAND, loose, Black, silty CLAY, hard, moist Base of boring – 88 ft. 	loose, slight hydrocarbon-like rom 72.5-73', wet slightly hard, wet rous, slightly hard, wet rous, slightly hard, wet		Page 3 of 3	
				Page 3 of 3	

				Dvirka	Site Id: BBMW	-20D				
				Dvirka and	Date(s): 04/1	7/02 - 04/17/02				
		\bigcirc	$\left \bigcirc \right $	and Bartilucci CONSULTING ENGINEERS	Datum: Mean Sea Level					
	A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.					30'	Meas	suring Point:	: 20.16'	
						epth: 74.00'	Tota	Depth: 74.0	00'	
	-		-	rs	Screens:					
· · ·			/ell, Deep		type: Slotted type: Slotted	size: 0.010in dia: size: 0.010in dia:		fm: 4.00' fm: 35.00	to: 14.0 to: 45.0	
	d By: Inn				type: Slotted	size: 0.010in dia:	1.00in	fm: 62.00		00'
	g Method		obe							
	ole Dia.:					udes well screens BBMW-201 and BBN		itoring wells	•	
Contro	actor: Zet	ora Env	vironmento		Logged from	boring BBSB-88.		1 1		
Depth (ft)	Recovery	- Sample Interval	DID	Material	Description			Graphic Log	Screen Zones	
	8	-8' -12' 2-16' 6-20'	0.0 ppm 0.0 pp	 Dark brown, sandy TOPSOIL, some si Brown, coarse SAND, some gravel, k Brown, coarse SAND, some gravel, s gasoline/petroleum-like od Brown, coarse SAND, some gravel, k strong naphthalene-like od Brown, coarse SAND, some gravel, k discoloration, organic (H2S) Gray-black, coarse SAND, some fine odor, wet Light brown, medium SAND, trace gr with naphthalene-like odor 	bose, moist hiny luster on or, moist (wet bose, gray-blac lor, solvent-like bose, patches o -like) odor gravel, loose, 4"	sand from 7-8', at 7') k staining from 1 e odor, wet of gray-black organic (H2S-like	0–12',			
		4–28' 8–32'	2.1 ppm 2.0 ppm 1.6 ppm 0.0 ppm	Brown, coarse SAND, some gravel, la like odor, wet Same as above, little gravel, mild ne	-		8-	0 0 0 0 0 0 0	Page 1	l of 3

Consu	Consulting Firm: Dvirka & Bartilucci				Site Id: BBMW-20D			
Locat	Location: Bay Shore/Brightwaters				Date(s): 04/17/02 - 04/17/02			
Purpo	se: Mor	nitoring V	Vell, Deep		Total Depth: 74.00'			
Depth (ft)	Recovery	Sample Interval	DID	Materio	al Description	Graphic Log	Monitoring Well Screen Zones	
- - - - - - - - - - - - - -		32–36' 36–40'	0.0 ppm 0.0 ppm	Brown, coarse SAND, little gravel, loc Brown, medium—coarse SAND, little g odor, wet Same as above	ravel, loose, mild naphthalene-like	0 0 0 0 0 0 0 0 0 0		
40 - - - - - - - - - - - - - -		40–44' 44–48'	0.5 ppm 0.5 ppm 1.0.4 ppm 0.2 ppm 0.2 ppm 0.2 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 4.2 ppm 7.2 ppm 7.2 ppm 7.2 ppm 6.0 ppm 6.4 ppm 6.8 ppm	staining at 42.5', moderate	gravel, loose, 1" lens of orange brown e naphthalene—like odor, wet avel, loose, moderate naphthalene—like	0 0 0 0 0 0		
- - - - - - - - - - - -		48–52' 52–56'	0.0 ppm 0.0 ppm 5.5 ppm 6.7 ppm 4.2 ppm 4.2 ppm 6.7 ppm 6.7 ppm 6.7 ppm 6.7 ppm 6.4 ppm 6.2 ppm 6.2 ppm	Brown, medium SAND, well sorted, lo wet Brown, medium SAND, loose, modera	oose, moderate naphthalene—like odor, te naphthalene—like odor, wet	0 0 0 0		
- 55		56–60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above, well sorted, mild no	aphthalene—like odor	0 0 0 0		
- 00 - - - - - 65		60–64' 64–68'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 4.7 ppm 5.5 ppm 4.2 ppm	Same as above Brown, medium SAND, micaceous, we moderate naphthalene-like		0 0 0 0 0		
-		68–72'	4.2 ppm 6.0 ppm 7.0 ppm 2.1 ppm 22.1 ppm	Gray—whitish, fine—medium SAND (68 strong naphthalene—like od		0 0 0 0	Page 2 of 3	

Consu	Consulting Firm: Dvirka & Bartilucci			ilucci	Site Id: BBMW-20D		
Locati	on: Bay	Shore/	Brightwate	ers	Date(s): 04/17/02 - 04/17/02		
Purpo	Purpose: Monitoring Well, Deep				Total Depth: 74.00'		
Depth (ft)	Recovery	Sample Interval	PID	Materi	al Description	Graphic Log Monitoring Well Screen Zones	
-			18 ppm 4.0 ppm 47 ppm 113 ppm	Rounded GRAVEL, gray clay, some si brown tar, tar staining, str			
				Base of boring - 74 ft.			
						Page 3 of 3	

Location: Bay Shore/Bright Purpose: Monitoring Well, D Logged By: Ryan, Schafer Drilling Method: Rotosonic Borehole Dia.: 6.00in Contractor: Prosonic		Date(s): 02/23/02 - 02/23/02 Datum: Mean Sea Level Elevation: 23.90' Completed Depth: 78.33' Screens: type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 Remarks: Includes well screens for BBMW-21S, BBMW-211 and BBMW	00in fm: 30.00'	
Location: Bay Shore/Bright Purpose: Monitoring Well, D Logged By: Ryan, Schafer Drilling Method: Rotosonic Borehole Dia.: 6.00in Contractor: Prosonic	USANTILUCCI CONSULTING ENGINEERS LLIAM F. COSULICH ASSOCIATES, P.C.	Datum: Mean Sea Level Elevation: 23.90' Completed Depth: 78.33' Screens: type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 Remarks: Includes well screens for	Total Depth: 81.00 00in fm: 7.50' 00in fm: 30.00'	, to: 17.50' to: 40.00'
Location: Bay Shore/Bright Purpose: Monitoring Well, D Logged By: Ryan, Schafer Drilling Method: Rotosonic Borehole Dia.: 6.00in Contractor: Prosonic	LLIAM F. COSULICH ASSOCIATES, P.C.	Elevation: 23.90' Completed Depth: 78.33' Screens: type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 Remarks: Includes well screens for	Total Depth: 81.00 00in fm: 7.50' 00in fm: 30.00'	, to: 17.50' to: 40.00'
Purpose: Monitoring Well, D Logged By: Ryan, Schafer Drilling Method: Rotosonic Borehole Dia.: 6.00in Contractor: Prosonic		Completed Depth: 78.33' Screens: type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 Remarks: Includes well screens for	Total Depth: 81.00 00in fm: 7.50' 00in fm: 30.00'	, to: 17.50' to: 40.00'
Purpose: Monitoring Well, D Logged By: Ryan, Schafer Drilling Method: Rotosonic Borehole Dia.: 6.00in Contractor: Prosonic		Screens: type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 Remarks: Includes well screens for	00in fm: 7.50' 00in fm: 30.00'	to: 17.50' to: 40.00'
Logged By: Ryan, Schafer Drilling Method: Rotosonic Borehole Dia.: 6.00in Contractor: Prosonic	Deep	type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 type: Slotted size: 0.010in dia: 2 Remarks: Includes well screens for	00in fm: 30.00'	to: 40.00'
Drilling Method: Rotosonic Borehole Dia.: 6.00in Contractor: Prosonic		type: Slotted size: 0.010in dia: 2 Remarks: Includes well screens for		
Borehole Dia.: 6.00in Contractor: Prosonic		Remarks: Includes well screens for		
Contractor: Prosonic		Remarks: Includes well screens for		
			monitoring wells:	
(t)		Respirator in use from 26-81'.	210	
Depth (ft) Recovery PID Sample Interval	2	Description	Graphic Log	Screen Zones
$ \begin{array}{c} $	ppm 	moist 	o o o o o o o o o o o o o o o o o o o	Page 1 of 3

Consulting Firm: Dvirka & Bartilucci Site Id: BBMW-21D					
Location: Bay Shore/Brig	ghtwaters		Date(s): 02/23/02 - 02/23/02		
Purpose: Monitoring Well,	, Deep		Total Depth: 81.00'		
Depth (ft) Recovery Sample Interval	DIG	Materia	al Description	Graphic Log	Monitoring Well Screen Zones
a a	2 ppm 6 ppm 0 ppm 2 ppm 5 ppm 5 ppm 7 ppm 7 ppm	t brown, medium—coarse SAND tar staining at 31.5', 33', t brown, fine—medium—coarse S		0.000000000000000000000000000000000000	
		viscosity tar banding at 3 viscosity tar from 39-40' t brown fine-med SAND trace		0 0 0 0	
41-46' 16 87. 182 - 16 91 - 23. 45- 24 58- 24 58- 24	3 ppm 3 ppm 2 ppm 5 ppm 3 ppm 3 ppm 4 ppm 2 ppm		, and 43.5', light-dark brown	0 0 0	
- 46-51' 46-51' 46.0 - 120 - 94.' 120 - 155 182 \$0-	9 ppm 0 ppm 1 ppm 1 ppm 0 ppm 5 ppm 2 ppm		me coarse sand, loose, moderate ning, light brownish yellow— sleeve, wet	0 0 0	
51-56' 273 - 51-56' 304 - 180 - 180	4 ppm –		me coarse sand and fine gravel, from 51—52', spotty reddish from 52—53', wet	0 0 0	
	2 ppm Ligh 3 ppm 5 ppm 9 ppm 2 ppm 2 ppm 0 ppm	at 56' and 57.5', loose,	nses of coarse sand and fine gravel spotty tar saturation from 56-57' light brown-black staining on	0 0 0 0	
61-66' 14 9.6 8.2 26.2 19.1 9.0	5 ppm 2 ppm 2 ppm 1 ppm 2 ppm	banding at 61.5', loose, s	SAND, fine sandy silt lens with tar saturated with tar from 64.5— aining w/light sheen on soils	0 0 0 0	
		t brown, fine—medium SAND, loo	ose, spotty black tar staining, wet	0 0 0 0	
					Page 2 of 3

Consulting Firm: Dvirka & Bartile	ucci	Site Id: BBMW-21D	
Location: Bay Shore/Brightwaters		Date(s): 02/23/02 - 02/23/02	
Purpose: Monitoring Well, Deep		Total Depth: 81.00'	
Purpose: Monitoring Well, Deep Purpose: Monitoring Well, Deep (t) (t) (t) (t) (t) (t) (t) (t)	Materia Light brown, fine-medium SAND, loa Tan-gray, f-m SAND, med dense, s Gray, sandy CLAY w/f-c gravel, sat	Total Depth: 81.00' al Description base, spotty black tar staining, wet spotty tar staining (71–71.5'), wet turated w/tar, to black, coarse SAND rated w/tar, sheen on soils, wet race clay, medium dense, moist astic, moist iff, slightly plastic, wet um SAND, organic black banding e-medium SAND, plastic, wet	Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io
			Page 3 of 3

	Dvirko	Site Id: BBMW-22D			
	Dvirka and	Date(s): 03/01/02 – 03/01/02			
	Bartilucci CONSULTING ENGINEERS	Datum: Mean Sea Level			
A DIVISION OF WILLIAM	F. COSULICH ASSOCIATES, P.C.	Elevation: 22.27'	Measuring Point	: 24.73'	
		Completed Depth: 76.00'	Total Depth: 81.0	00'	
Location: Bay Shore/Brightwate		Screens:			
Purpose: Monitoring Well, Deep		type: Slotted size: 0.010in dia: 2. type: Slotted size: 0.010in dia: 2.		to: 10.00' to: 40.00'	
Logged By: John Schafer		type: Slotted size: 0.010in dia: 2.			
Drilling Method: Rotosonic					
Borehole Dia.: 6.00in		Remarks: Includes well screens for BBMW-22S, BBMW-22I and BBMW		•	
Contractor: Prosonic		Logged from boring BBSB-85.			
Depth (ft) Recovery Sample Interval PID	Material	Description	Graphic Log	Screen Zones	
0-6' 0.0 ppm 0.0 pp	Brown, CLAY w/gravel, soft, plastic, Brown, fine-coarse SAND w/fine-co creosote-like odor from	rown, SILT w/some gravel and clay, soft, plastic, moist-wet rown, CLAY w/gravel, soft, plastic, moist rown, fine-coarse SAND w/fine-coarse gravel, loose, possible creosote-like odor from 5-6', dry rown, fine-coarse SAND w/fine-coarse gravel, loose, hydrocarbon-like odor, moist			
11-16' 5.0 ppm 5.0 ppm 13 ppm 320 ppm 100 ppm 50 ppm 30 ppm 12 ppm 16-21' 0.0 ppm	with coarse gravel, loose, like odor, wet	staining at 13', hydrocarbon— ne and some coarse gravel, loose	0 0 0		
2.0 ppm 7.0 ppm 5.0 ppm 17 ppm 17 ppm	intermittant brown staining, hydrocarbon—like odor, wet Tan, fine—coarse SAND w/some fine gravel, loose, coated with heavy				
21-26' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 10 ppm 75 ppm 200 ppm 200 ppm 50 ppm 60 ppm 120 ppm 120 ppm 120 ppm 120 ppm 120 ppm 120 ppm 120 ppm 120 ppm 15 ppm	Tan, fine-coarse SAND w/fine and	ot	dic		
150 ppm			0 0	Page 1 of 3	

Consult	ting Firm: Dv	virka & Bart	ilucci S	Site Id: BBMW-22D		
Locatio	Location: Bay Shore/Brightwaters		Date(s): 03/01/02 - 03/01/02			
Purpose	e: Monitoring	Well, Deep	T	otal Depth: 81.00'		
Depth (ft)	Recovery Sample Interval	DIA	Material I	Description	Graphic Log	Monitoring Well Screen Zones
- - - - - 	31-3	20 ppm 10 ppm 7.0 ppm 16 ppm 85 ppm 180 ppm	Tan, fine-coarse SAND w/some fine g staining, moderate-heavy na Same as above, intermittant-heavy sta odor, moist	aphthalene—like odor, wet	0.00 0.00 0.00 0.00	
	41-4	1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tan-mottled orange brown, fine-coars	oderate brown staining at 44.5',	oooo	
	46-5	65 ppm	Brown, fine-coarse SAND w/trace fine	e gravel, loose, moist	· · · · · · · · · · · · · · · · · · ·	
- - - - - - - - -	51-5	15 ppm 15 ppm 19 ppm 25 ppm 25 ppm 8.0 ppm 13 ppm 20 ppm	Brown, fine-medium SAND w/trace co moderate naphthalene-like o Light brown-tan-mottled orange brown coarse sand, loose-medium like odor, moist	odor, moist n, fine-medium SAND, trace	0 0 0 0	
60	61-6	50 000	Brown-mottled orange brown, fine SAN dense, slight brown staining naphthalene-like odor, moist	at 62.5', slight	0 0 0 0	
	66-7	10 000	Gray—mottled orange brown, fine—medi naphthalene—like odor, moist		0 0 0	Page 2 of 3
						Page 2 of 3

Cons	ulting F	irm: Dvirl	<a &="" bart<="" th=""><th>ilucci</th><th>Site Id: BBMW-22D</th><th></th><th></th>	ilucci	Site Id: BBMW-22D		
Locat	Location: Bay Shore/Brightwaters		Date(s): 03/01/02 — 03/01/02				
Purpo	ose: Mor	nitoring \	Well, Deep		Total Depth: 81.00'		
Depth (ft)	Recovery	Sample Interval	PID		al Description	Graphic Log	Monitoring Well Screen Zones
		71-76'	8.0 ppm 4.0 ppm 3.0 ppm 4.0 ppm 9.0 ppm 0.5 ppm 4.0 ppm	Gray, very fine—fine SAND, interbedd	gray sandy f—c GRAVEL, some clay, ng and naphthalene—like odor, wet , sheen, slight naphthalene—		Page 3 of 3

	Dvirko	Site Id: BBMW-23D2				
	Dvirka and	Date(s): 06/13/02 – 06/13/02				
	Bartilucci	Datum: Mean Sea Level				
	CONSULTING ENGINEERS COSULICH ASSOCIATES, P.C.	Elevation: 20.48'	Measurin	ng Point: 1	9.68'	
		Completed Depth: 75.00'	Total De	pth: 76.00	,	
Location: Bay Shore/Brightwaters	3	Screens:				
Purpose: Monitoring Well, Deep		type: Slotted size: 0.010in dia: 1 type: Slotted size: 0.010in dia: 1		n: 5.00' n: 33.00'	to: 15.0 to: 43.0	
Logged By: Innocent Taziva		type: Slotted size: 0.010in dia: 1 type: Slotted size: 0.010in dia: 2	.00in fn	n: 49.50' n: 63.00'	to: 59.5 to: 73.0	
Drilling Method: Hollow Stem Aug	jer					
Borehole Dia.: 6.50in		Remarks: Includes well screens for BBMW-23S, BBMW-23I, BBMW-23				
Contractor: Clearwater Drilling		Logged from boring BBSB-105.				
Depth (ft) Recovery Sample Interval PID	Material [Description		Graphic Log	Screen Zones	
105 ppm 5-8' 5-8' 0.0 ppm 8-12' 44 ppm 8-12' 480 ppm 12-16' 0.0 ppm 12-16' 0.0 ppm 16-20' 0.0 ppm 16-20' 0.0 ppm 105' 105' 105' 105' 105' 10''' 10''' 10'''' 10''''' 10''''''''''''''''''''''''''''''''''''	Tan, fine-coarse SAND w/some fine moist (composite sample) Brown, fine-coarse SAND w/some fi loose, hydrocarbon-like oc Black-gray-brown, fine-coarse SANI heavy hydrocarbon-like oc Gray, fine-coarse SAND w/some fin 14.5-15', slight hydrocarb Black-gray-brown, fine-coarse SANI staining from 16-17.5', s wet Brown, fine-coarse SAND w/fine gro Brown, fine-coarse SAND w/trace fi	ine gravel, slight clay lens at 6.5 dor, wet at 6' D, loose, black staining from 8–9 dor, wet e gravel, loose, black staining fro bon-like odor, wet D w/some fine gravel, loose, blac light hydrocarbon-like odor, avel, loose, wet	no o o o o o	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
0.0 jpm				····	Page 1	of 3
					ruye I	UI J

Location: Bay Share/Brightwaters Date(s): 06/13/02 - 06/13/02 Purpose: Monitoring Well, Deep Total Depth: 76.00 ¹ Image: Share/Brightwaters Material Description Image: Share/Brightwaters Image: Share/Brightwaters	Consulting Firm: Dvirka & Bartilucci		Site Id: BBMW-23D2			
(i) (Location: Bay Shore/	Location: Bay Shore/Brightwaters Date(s): 06/13/02 - 06/13/02				
0.0 ppm Brown, fine-coarse SAND w/some fine gravel, loose, wet 0	Purpose: Monitoring \	/ell, Deep		Total Depth: 76.00'		
32-36 0.0 ppm 0.0 ppm 0.	Depth (ft) Recovery Sample Interval	QIA	Material	Description	Graphic Log	Screen Zones
$ \begin{array}{c} 1 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 5 \\ 6 \\ 0 \\ \mathbf$	- - 3 -	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	vn, fine-medium SAND w/some wet	coarse sand, trace fine gravel, loose,	· · · · · · · · · · · · · · · · · · ·	
$\mathbf{s} = \begin{bmatrix} 44-48 & 0.0 & \text{ppm} \\ 0.$	40-44	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	e as above		0 0	
$52-56' \begin{array}{c} 0.0 \text{ ppm} \\ 0.0 \text{ ppm} \\ 0.0 \text{ ppm} \\ 0.0 \text{ ppm} \\ 56-60' \end{array} \begin{array}{c} 0.0 \text{ ppm} \\ 0.$	₩	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	wet		0 0 0 0	
3 56-60, 0.0 ppm Same as above 0.0 ppm 56-60, 0.0 ppm 0.0 ppm Same as above 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			vn, fine SAND, medium dense, w	vet	0 0	
0.0 ppm 0.0 ppm 0.0 ppm very slight naphthalene-like odor, wet		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	e as above		0 0	
	60-64'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		-	0 0	
64-68' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	vn—orange brown, fine SAND, de	nse, wet		
68-72' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm Prown, fine SAND, dense, naphthalene-like odor, wet	68-72'	0.0 ppm Brow 0.0 ppm 0.0 ppm	vn, fine SAND, dense, naphthaler	ne-like odor, wet	0 0 0	Page 2 of 3

Consulting Firm: Dvirka & Bartilucci		Site Id: BBMW-23D2		
Location: Bay Shore/Brightwaters		Date(s): 06/13/02 — 06/13/02		
Purpose: Monitoring Well, Deep		Total Depth: 76.00'		
Depth (ft) Recovery Sample Interval PID	Material	Description	Graphic Log	Screen Zones
72-76 [,] 0.0 ppm 0.0 p	Brown, fine gravelly fine-coarse SAN Black-gray, silty very fine SAND, de Base of boring - 76 ft.			
				Page 3 of 3

	Dvirko	Site Id: BBMW-24D		
	Dvirka and	Date(s): 04/16/02 — 04/16/02		
	Bartilucci	Datum: Mean Sea Level		
	CONSULTING ENGINEERS E COSULICH ASSOCIATES, P.C.	Elevation: 19.00'	Measuring Poin	t: 18.77'
		Completed Depth: 69.50'	Total Depth: 72	.00'
Location: Bay Shore/Brightwater	S	Screens:		
Purpose: Monitoring Well, Deep		type: Slotted size: 0.010in dia: 1. type: Slotted size: 0.010in dia: 1.		
Logged By: Innocent Taziva		type: Slotted size: 0.010in dia: 1.		
Drilling Method: Geoprobe				
Borehole Dia.: 3.00in		Remarks: Includes well screens for BBMW-24S, BBMW-24I and BBMW		s:
Contractor: Zebra Environmental		Logged from boring BBSB-75.	2.0	
Depth (ft) Recovery Sample Interval PID	Material [Description	o. Graphic Log	Screen Zones
5-8', 0.0 ppm - 5-8', 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Light orange—brown, medium—coarse SAND w/fine gravel, loose, moist (composite sample) Same as above			
	Light brownish—orange, medium—co wet at 8.5'	oarse SAND w/fine gravel, loose,	0 0 0 0	
12-16 [,] 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Tan, fine-medium-coarse SAND w	/fine gravel, loose, wet		
16-20' 0.0 ppm 0.0 ppm 1.5 ppm 2.4 ppm 6.9 ppm	Tannish—gray, fine—medium—coarse SAND w/fine gravel, loose, mild hydrocarbon—like odor, wet			
N -20-24, 0.0 ppm 8.4 ppm 3.9 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Tannish-gray, fine-medium SAND, trace coarse sand and fine gravel from 20-20.5', loose, mild hydrocarbon-like odor, wet			
24-28 0.0 ppm 0.2 ppm 0.2 ppm	Light brown, fine-medium SAND w, Light brown, medium-coarse SAND naphthalene-like odor, w	w/fine gravel, loose, mild	0 0 0 0	
28-32' 0.4 ppm 0.0 ppm 3.8 ppm 0.0 ppm	Light brown, fine-medium SAND, s loose, mild naphthalene-	ome coarse sand, trace fine gra	vel,	
				Page 1 of 3

Consu	ulting F	irm: Dvirk	(a & Bart	ilucci	Site Id: BBMW-24D		
Locat	ion: Bay	/ Shore/	Brightwate	ers	Date(s): 04/16/02 - 04/16/02		
Purpo	se: Mor	nitoring V	Vell, Deep		Total Depth: 72.00'		
Depth (ft)	Recovery	Sample Interval	PID		al Description	Graphic Log	Monitoring Well Screen Zones
- - - - 5 –		32–36'	0.0 ppm 0.0 ppm 0.0 ppm 0.2 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	loose, mild naphthalene-	/trace fine gravel, coarse sand lens	0 0 0 0	
- - - 40 - -		40-44'	6.1 ppm 0.0 ppm 0.0 ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm		ome coarse sand, trace fine gravel,	0 0 0 0 0 0	
		48-52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	like odor, wet Brown, fine-medium SAND w/trace	ine gravel, loose, mild naphthalene-	0 0 0 0	
		52–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	mild naphthalene—like od Brown, fine—medium SAND, loose,		0 0 0 0	
- 55		56–60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-medium SAND, loose,	mild naphthalene—like odor, wet	· · · · · · · · · · · · · · · · · · ·	
- 60		60–64'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Light brown, fine—medium SAND, lo wet	oose, mild naphthalene—like odor,	0 0 0 0	
- 65 -		64–68'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Lt orange brown, silty fine SAND f	rom 68–68.3', medium dense, mild	0 0 0 0	
-		68–72'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		noist, to gray, CLAY (68.3—69.3'), mild naphthalene—like odor, moist		
							Page 2 of 3

Consulting Firm: Dvirka & Bartilucci		Site Id: BBMW-24D			
Location: Bay Shore/Brightwaters		Date(s): 04/16/02 - 04/16/02			
Purpose: Monitoring V	Vell, Deep		Total Depth: 72.00'		
Depth (ft) Recovery Sample Interval	PID		al Description	Graphic Log	Monitoring Well Screen Zones
	0.0 ppm	Light ordinge-brown, medium-cours	se SAND w/fine-coarse gravel from naphthalene-like odor, wet		Page 3 of 3
					Page 3 of 3

					Dvirke	Site Id: BBMW-	-25D				
Dvirka and						Date(s): 04/12	2/02 - 04/12/02				
		l	\bigcirc		Bartilucci	Datum: Mean Sea Level					
			ADIVISION	I OF WILLIAM	CONSULTING ENGINEERS F. COSULICH ASSOCIATES, P.C.	Elevation: 14.4	3'	Meas	suring Point:	: 14.21'	
						Completed De	pth: 74.00'		Depth: 74.0		
			,	Brightwate	rs	Screens:		<u> </u>			
				Well, Deep		type: Slotted type: Slotted	size: 0.010in dia: 1 size: 0.010in dia: 1		fm: 4.00' fm: 25.00	to: 14. to: 35.	
-			nnocent			type: Slotted	size: 0.010in dia: 1		fm: 62.00		
$\left \right $			od: Geop								
-			.: 3.00in				ides well screens fo BMW-251 and BBMW		toring wells:		
	Contra	actor: Z	ebra En	vironmenta I I	1	Logged from	boring BBSB-76.				
	Depth (ft)	Recovery	-0 Sample Interval	DD som	Material [Description			Graphic Log	Screen Zones	
	-		0-4	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty TOPSOIL w/some fine gu Orange-brown, fine-coarse SAND w/ 1-1.5', loose, moist Orange brown-tan, fine-coarse SANI	some fine grav	vel, some silt from				
	5		4–8'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	wet at 7.5'				0 0 0 0		
	- - 10 — -		8–12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Tan-orange brown, fine-coarse SANI loose, wet	D w/fine grave	l, some coarse gra	vel,	· · · · · · · · · · · · · · · · · · ·		
	- - - 15		12–16'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/fine gra	ivel, trace coar	se gravel, loose, w	et	o o o o		
			16–20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown-black, fine-coarse SAND w/fi like odor from 17-18' in Brown, fine-medium SAND	-		on-	0 0 0 0		
	20		20-24, 5.0 ppm 0.0 ppm 15 ppm 0.0 ppm								
	25 — -		24–28'	0.0 ppm 5.0 ppm 0.0 ppm 5.0 ppm 10 ppm	Brown, fine—coarse SAND w/fine gra hydrocarbon—like odor, we the 5 ppm readings were	t (10 ppm Pl	D reading was sust	-	0 0 0 0		
	-		28–32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/some fi naphthalene-like odor, wet	-	vel, loose, slight		0 0 0 0		
										Page	1 of 3

Consu	llting Fi	irm: Dvirk	a & Bart	ilucci	Site Id: BBMW-25D				
Locati	on: Bay	Shore/	Brightwate	rs	Date(s): 04/12/02 - 04/12/02				
Purpo	se: Mon	itoring V	/ell, Deep		Total Depth: 74.00'				
Depth (ft)	Recovery	Sample Interval	PID	Materio	al Description	Graphic Log	Monitoring Well Screen Zones		
- - - -		32–36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 10 ppm 10 ppm	naphthalene-like odor, wet Brown, fine-medium SAND w/some medium dense, naphthalen	Brown, fine-coarse SAND w/some fine-coarse gravel, loose, slight naphthalene-like odor, wet Brown, fine-medium SAND w/some coarse sand, trace fine gravel, loose- medium dense, naphthalene-like odor, wet				
-		36–40'	0.0 ppm 7.0 ppm 4.0 ppm 7.0 ppm	Brown, fine-coarse SAND, trace fine like odor, wet	gravel, loose, slight naphthalene—	0 0 0 0			
40		40–44'	2.5 ppm 6.0 ppm 6.0 ppm 7.0 ppm 7.0 ppm 7.0 ppm	Brown, fine-med SAND w/some coa loose, slight naphthalene-l	Brown, fine—med SAND w/some coarse sand, trace fine gravel, micaceous loose, slight naphthalene—like odor, wet				
		44–48 '	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	naphthalene—like odor, wet	Brown, fine—medium SAND w/some coarse sand, micaceous, loose, slight naphthalene—like odor, wet				
50		48-52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-medium SAND, micaceou like odor, wet Same as above	us, medium dense, slight naphthalene—	0 0 0 0			
		52–56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			0 0 0 0			
-			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND, dense, moist	Brown, fine SAND, dense, moist				
60		60–62'	0.0 ppm 0.0 ppm 0.0 ppm			0 0 0 0			
-		62–64'	0.0 ppm	Brown, very fine-fine SAND, micaced sample)		· · · · · · · · · · · · · · · · · · ·			
6. –		64-66'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, coarse sandy GRAVEL w/som Gray, CLAY, very stiff-stiff, plastic, n		• • • • • • • •			
-		66–68'	0.0 þþm 0.0 ppm	Gray, coarse SAND to sandy CLAY, p	plastic, moist				
-	68-70', 0.0 ppm 0.0 ppm 0.0 ppm								
							Page 2 of 3		

Consulting Firm: Dvirka & Bartil	lucci	Site Id: BBMW-25D		
Location: Bay Shore/Brightwater	rs	Date(s): 04/12/02 - 04/12/02		
Purpose: Monitoring Well, Deep		Total Depth: 74.00'		
Depth (ft) Depth (ft) Recovery Recovery PID PID		al Description	o: . Graphic Log	Monitoring Well Screen Zones
	Brownish gray, medium-coarse SANE Gray, fine-medium SAND, loose, wet		· · · · ·	
	Base of boring – 74 ft.			
				Page 3 of 3

Dvirka			
Date(s): 05/16/02 - 05/16/02			
Di Di Bartilucci			
ADIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C. Elevation: 19.05'	Measuring Point:	18.78'	
Completed Depth: 75.00'	Total Depth: 76.0		
Location: Watchogue Creek Screens:			
Purpose: Monitoring Well, Deep type: Slotted size: 0.010in dia: 1 type: Slotted size: 0.010in dia: 1		to: 12.00' ' to: 45.00'	
Logged By: John Schafer type: Slotted size: 0.010in dia: 1			
Drilling Method: Geoprobe			
Borehole Dia.: 3.00in Remarks: Includes well screens fo WCMW-01S, WCMW-01I and WCMW		•	
Contractor: Zebra Environmental Logged from boring WCSB-40.			
Depth Technology Material Description	Graphic Log	Screen Zones	
b Dark brown, FILL, roots Dark brown, FILL, roots Dark brown, Fill, roots Dark brown, fill, roots, debris (composite sample, 0–5') 5-8' 21 ppm Tan/It brown, fine sandy FILL, some silt, trace gravel, roots, glass, moi Cray, coarse V coarse SAND, some gravel, loose, sheen, dk brown (iodi color) hydrocarbon-like staining, strong hydrocarbon-like odor, wet 8-12' 11 ppm 10 ppm Tan-brown (slightly olive), coarse SAND, some gravel, loose, hydrocarbon-like odor, wet 12-16' 60 ppm 10 ppm Brown, coarse-very coarse SAND, some rounded gravel, loose, dark bro black tar lenses at 12.7' and 13', sheen, hydrocarbon-like odor, wet 16-20' 0.0 ppm 16-20' 0.0 ppm 10 ppm Brown, coarse-very coarse SAND, some rounded gravel, loose, slight hydrocarbon-like odor at 16.5', wet 20-24' 0.0 ppm 10 ppm Brown, coarse SAND, little rounded gravel, loose, wet 24-28' 0.0 ppm 24-28' 0.0 ppm 28-32' 0.0 ppm 28-32' 0.0 ppm 28-32' 0.0 ppm 0.0 ppm Brown, coarse SAND and GRAVEL, loose, wet 28-32' 0.0 ppm 0.0 ppm	me		
		Page 1 of 3	

Consulting Firm	n: Dvirka & Bart	ilucci	Site Id: WCMW-01D		
Location: Watch	nogue Creek		Date(s): 05/16/02 - 05/16/02		
Purpose: Monito	oring Well, Deep		Total Depth: 76.00'		
Depth (ft) Recovery	Sample Interval PID		Description	Graphic Log	Screen Zones
	2-36 0.0 ppm 0.0 ppm	Same as above, little fine rounded gr Brown, medium-coarse SAND, trace fr Brown, coarse SAND, trace gravel Brown, very coarse SAND, some round Brown, fine-medium SAND, trace grav Same as above, some coarse sand, n	ravel ine gravel, loose, wet ded gravel, loose, wet rel, dark brown garnets, loose, wet		
	2-56 0.0 ppm 0.0 ppm	Tan-orange brown, medium SAND, mi discoloration, wet	caceous, loose, minor reddish brown		
ti — 66 66	4-66', 0.0 ppm 0.0 ppm 0.0 ppm 6-68', 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, medium SAND, loose, possible Gray brown, medium SAND, loose, wet	slight hydrocarbon—like odor, wet	0 0 0 0	Page 2 of 3

Location: Watchague Creek Date(s): 65/15/02 - 05/16/02 Purpose: Montoring Well, Deep Total Depth: 76:00' Image: State	Cons	ulting F	Firm: Dvirk	ka & Bart	ilucci	Site Id: WCMW-01D		
Purpose: Monitoring Well, Deep Total Depth: 76.00' Image: Second Seco	Loca	tion: Wa	tchogue	Creek		Date(s): 05/16/02 - 05/16/02		
74-76: 0.0 ppm Driller error - drove past 70-74' 0.0 opm 8- 0.0 ppm Gray, fine SAND, some silt, little-some clay, loose, wet 0.0 opm 8- 0.0 ppm Base of boring - 76 ft. 0.0 ppm	Purp	ose: Mo	nitoring V	Vell, Deep				
74-76 0.0 ppm Gray, fine SAND, some silt, little-some clay, loose, wet 0 0.0 ppm 0.0 ppm Base of boring - 76 ft. 0 8 0 0.0 ppm Base of boring - 76 ft. 0 8 0 0.0 ppm 0 0.0 ppm 0 9 0.0 ppm 0.0 ppm 0 0 9 0.0 ppm 0.0 ppm 0 0 9 0.0 ppm 0 0 0 9 0.0 ppm 0 0 0 9 0 0 0 0 0 9 0 0 0 0 0 9 0 0 0 0 0 9 0 0 0 0 0 9 0 0 0 0 0 9 0 0 0 0 0 0 9 0 0 0 0 0 0 9 0 0 0 0 0 0 0	Depth (ft)	Recovery	Sample Interval	QIA	Material	Description	Graphic Log	Screen Zones
Page 3 of 3	5 (0) (0) (0)	-	74-76'	0.0 ppm	Gray, fine SAND, some silt, little-som Dark gray, CLAY w/silt, some fine sa	e clay, loose, wet nd, slightly hard, wet	•. • •.	

	Dvirka	Site Id: WCMW-02D				
	Dvirka and	Date(s): 05/28/02 – 05/28/02				
	Bartilucci CONSULTING ENGINEERS	Datum: Mean Sea Level				
A DIVISION OF WILLIAM	F. COSULICH ASSOCIATES, P.C.	Elevation: 16.39'	Measuring Point:	16.11'		
		Completed Depth: 74.00'	Total Depth: 75.0	0'		
Location: Bay Shore/Brightwate	rs	Screens:				
Purpose: Monitoring Well, Deep		type: Slotted size: 0.010in dia: 1.0 type: Slotted size: 0.010in dia: 1.0		to: 13.00' to: 44.50'		
Logged By: John Schafer		type: Slotted size: 0.010in dia: 1.0		to: 72.00'		
Drilling Method: Geoprobe						
Borehole Dia.: 3.00in		Remarks: Includes well screens for WCMW-02S, WCMW-02I and WCMW				
Contractor: Zebra Environmento		Logged from boring WCSB-53.				
Depth (ft) Recovery Sample Interval PID	Material I	Description	Graphic Log	Screen Zones		
Had O Had O 0 </th						
			o o			
				Page 1 of 3		

Consulting Firm: Dvirka &	& Bartilucci	Site Id: WCMW-02D				
Location: Bay Shore/Brig	ghtwaters	Date(s): 05/28/02 - 05/28/02				
Purpose: Monitoring Well,	, Deep	Total Depth: 75.00'				
	OLA	l Description	Graphic Log	Screen Zones		
) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm	w/some coarse sand and fine gravel,	· · · · · · · · · · · · · · · · · · ·			
5) ppm ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm	w/coarse sand, trace fine gravel,	0 0 0			
) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm	range brown, fine-medium SAND w/coarse sand and some fine gravel,				
45-50 [,] 0.0 - - - - - - - - - - - - - - - - - -) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm	Orange brown-brown, fine-medium SAND, medium dense, wet				
% 50-55' 0.0	Brown, fine-medium SAND, trace f sample placed in plastic	ine gravel, loose, wet (liner jammed, bag, headspace PID)	0 0 0			
55-60' 0.0 - - - - - - 0.0 0.0 0.0 0.0 0.0 0.0) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm) ppm	micaceous, medium dense, wet	· · · · · · · · · · · · · · · · · · ·			
€0−65 [°] , 0.0	Gray, fine SAND, micaceous, dense) ppm in plastic bag, headspace	, wet (liner jammed, sample placed e PID)	0 0 0			
65-70'	No recovery		· · · · · · · · · · · · · · · · · · ·	Page 2 of 3		

70-75 0.0 ppm 0.0 ppm	Screen Zones
(t) (t) Material Description box (t) Herrial Description Becover 0.0 ppm Cray, silty fine SAND, micaceous, lens of silty coarse sand w/trace- 0.0 ppm Cray, silty fine gravel, medium dense, wet	Screen Zones
70-75 0.0 ppm 0.0 ppm	Screen Zones
L Provide the start of the star	Ē
	∟ 2 3 of 3

						Site Id: BBTP-03
				virka		Location: Bay Shore/Brightwaters
ADIVISION OF WILLIAM F. COSULIC HASSOCIATES, P.C.						Purpose: Test Pit
						Date(s): 01/15/02 - 01/15/02
		<u></u>				Total Depth: 6.00'
L	ion: 23.					Remarks: Sample selected for analysis at 5-6'.
		Sea Lev	el			-
		om Fox	oo Evoquatia			-
			oe Excavatic vironmental)ri		-
<u> </u>	ole Dia		aronmenta			-
Doren						
		Sample Interval		bo-		
Depth (ft)	Recovery	l aldr		Graphic Log		Material Description
Dep	Rec		DID	Gra		
		0-2' 2-4' 4-6'	0.0 ppm 210 ppmm 175 pppmm 202 pppmm 202 pppm 202 pppm 20		with flow Same as above Base of test pit – Note: Various pipes	sand and tar mixture, coal, clinker, ash, saturated ing tar, moderate tar—like odor
						Page 1 of 1

			Site Id: BBTP-03A
	Dvirka		Location: Bay Shore/Brightwaters
))Bartilu	cci	Purpose: Test Pit
A DIVISION OF WIL	CONSULTING E		Date(s): 01/15/02 - 01/15/02
			Total Depth: 8.00'
Elevation: 24.40'			Remarks:
Datum: Mean Sea Level			
Logged By: Tom Fox			
Drilling Method: Backhoe E			-
Contractor: Action Environr	mental		_
Borehole Dia.:			
Depth (ft) Recovery 7-0 70 7-0	PID Graphic Log		Material Description
0-2' 0.0 2-4' 0.0 -2-4' 0.0 -2-4' 0.0 0-2' 0.0 0-	ppm ppm	pipes, lo Yellow/brown, SANE Yellow/brown, SANE) and GRAVEL, slight tar staining from 6—7', slight odor, wet at 8', no sheen or NAPL noted

						Site Id: BBTP-04
				virka		Location: Bay Shore/Brightwaters
	(B (()	nd artilu	ссі	Purpose: Test Pit
		ADIVISION	OF WILLIAM F. C	NSULTING E OSULICH ASSC		Date(s): 01/09/02 - 01/09/02
						Total Depth: 6.00'
Elevation: 23.22'						Remarks: Sample selected for analysis at 5-6'.
Datum: Mean Sea Level Logged By: Tom Fox						-
			oe Excavatio			
<u> </u>	-		vironmental	Л		
	ole Dia		lionnentai			
Doren						
(#)	2	Sample Interval		Log		Material Description
Depth (ft)	Recovery	ample	DIA	Graphic Log		wateriar bescription
	Ĕ	ت 0-2'		0		
			0.0 ppm 0.0 ppm 0.0 ppm 200 ppm		Brown, TOPSOIL/FIL Same as above, w	L ith black tar staining, loose, moist
	-	2-4'	200 ppm 200 ppm 400 ppm			
5-		4-6'	400 ppm 450 ppm 500 ppm	.0.0.0.0	Black, SAND and G like odor	RAVEL, saturated with tar, loose, strong naphthalene— . wet
- J			500 ppm 685 ppm		0	at 6 ft., encountered concrete slab
-						
- - 10 - - -	-				surface det Tar/oil/wat	concrete foundation at approximately 6' below ground termined to be a vault filled with tar stained soil. er emulsion present on water table at approximately 8' nd surface south of foundation.
25 - - -	-					Page 1 of 1
1						

			Site Id: BBTP-05
	Dvirka		Location: Bay Shore/Brightwaters
) and) Bartilu	cci	Purpose: Test Pit
A DIVISION OF WILL	CONSULTING E IAM F. COSULICH ASSO	NGINEERS CIATES, P.C.	Date(s): 01/09/02 - 01/09/02
			Total Depth: 10.00'
Elevation: 23.04'			Remarks: Sample selected for analysis at 6-8'.
Datum: Mean Sea Level			
Logged By: John Schafer			
Drilling Method: Backhoe Ex			
Contractor: Action Environm	ental		
Borehole Dia.:		I	
	Graphic Log		Material Description
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ppm	heavily c Black, fine-coarse heavy co Blue-gray, fine-me coating, Tan-black, fine-me with tar, Base of test pit - Note: Water table of when agitat below grour running sou 4' below gr	andy FILL w/some coarse sand, fine gravel, loamy, oated with coal tar on north end of pit SAND w/some gravel, heavy black tar staining, al tar-like odor edium SAND w/fine-coarse gravel, heavy black tar heavy tar-like odor edium SAND w/fine-coarse gravel, heavily coated tar-like odor 10 ft. at 9.5' below ground surface w/brown-green sheen ed and tar-like odor. Concrete foundation at 2' nd surface at west end on pit. Solid foundation ith-north at 4' below ground surface. 15" pipe round surface running east-west at southern end of rious small diameter pipes with valves/valve box end of test pit.

Locat	ion: Bay	Shore/Br	ightwaters forr	ner MGP site	Site Id: BBTP-06				
Eleva	tion: 0.00	0'			Consulting Firm: Dvirka & Bartilucci				
Datur	n: Groun	d Surface			Contractor: Action Environmental				
Logge	Logged By: Mark Rauber				Excavation Method: Test Pit- Kamatsu P	C-40			
Purpo	ose: User	Defined			Permit No.:				
Date(s): 08/1	8/99 - (08/18/99		Permit Date: / /				
Remo	ırks: TES	ST PIT			Total Depth: 2.00'				
					criptior				
Elevation (ft)	(ft)		Graphic Log	Material Description					
	Depth (ft)	DID	Graph	Materi					
	-			Dark brown select/soil fill i	material				
	-			Base of test pit- 2'#					
				WATER					
-	-								
	-								
	-								
10	10-								
	-								
	-								
-									
	-								
	·]			1		Page 1 of 1			

		Site Id: BBTP-06A
Dvirka		Location: Bay Shore/Brightwaters
and Bartiluo	cci	Purpose: Test Pit
A DIVISION OF WILLIAM F. COSULICH ASSO	NGINEERS	Date(s): 01/14/02 - 01/14/02
		Total Depth: 10.00'
Elevation: 23.21'		Remarks: Sample selected for analysis at 9-10'.
Datum: Mean Sea Level		-
Logged By: John Schafer		-
Drilling Method: Backhoe Excavation Contractor: Action Environmental		-
Borehole Dia.:		-
Depth (ft) Recovery Sample Interval PID Graphic Log		
Depth (ft) Recovery Sample Inte PID Craphic Log		Material Description
0-2' 0.0 ppm 0.0 ppm 0.0 ppm 2-4' 2555 ppm 2555 ppm 2575 ppm 264 ppm 275 ppm 2	black chu Tan, fine-coarse S/ tar-like s Same as above Black, fine-coarse staining, Base of test pit -	it approximately 10' below ground surface w/light light tar—like odor, no LNAPL noted.
	<u> </u>	Page 1 of 1

			Site Id: BBTP-06B
	virka 1d		Location: Bay Shore/Brightwaters
	artiluo		Purpose: Test Pit
A DIVISION OF WILLIAM F. CO	NSULTING EN SULICH ASSOC		Date(s): 01/15/02 - 01/15/02
			Total Depth: 10.00'
Elevation: 23.66'			Remarks: Sample selected for analysis at 9-10'.
Datum: Mean Sea Level			
Logged By: John Schafer Drilling Method: Backhoe Excavatio	n		-
Contractor: Action Environmental			
Borehole Dia.:			
Depth (ft) Recovery Sample Interval PID	Graphic Log		Material Description
0-2' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 178 ppm 126 ppm 126 ppm 1278 ppm 182 ppm 182 ppm 182 ppm 182 ppm 178 ppm 325 ppm 325 ppm 185 ppm		Brown, fine-coarse Dark brown, silty S Tan, fine-coarse S tar-like Same as above Same as above Same as above Base of test pit -	AND w/fine—coarse gravel, loose, layers of black staining, heavy tar—like odor, moist eavy black tar—like staining, wet

		Site Id: BBTP-07
Dvirka		Location: Bay Shore/Brightwaters
and Bartilu	ссі	Purpose: Test Pit
A DIVISION OF WILLIAM F. COSULICH ASS		Date(s): 01/14/02 - 01/14/02
		Total Depth: 10.00'
Elevation: 22.81'		Remarks: Sample selected for analysis at 7-8'.
Datum: Mean Sea Level		-
Logged By: John Schafer		-
Drilling Method: Backhoe Excavation		-
Contractor: Action Environmental		-
Borehole Dia.:		
Bepth (ft) Recovery Recovery PID FID Graphic Log		Material Description
0-2' 0.0 ppm 0.0 ppm	Dark brown, fine-o some bri Tan, fine-coarse S Same as above Black, fine-coarse tar-like Base of test pit - Note: Water table brown and below groun 12" lines p running acr	at approximately 10' below ground surface. Water is has a sheen when agitated. Tank foundation at 3' nd surface in south-west portion of pit. Three 10" to dus a 1" and 2" line at 2' below ground surface ross test pit south of tank foundation. 4" line at 3' nd surface running east-west at northern end of test
	1	Page 1 of 1

			Site Id: BBTP-08
)virka		Location: Bay Shore/Brightwaters
	nd Bartilu	cci	Purpose: Test Pit
	ONSULTING E	NGINEERS	Date(s): 01/11/02 - 01/11/02
			Total Depth: 6.00'
Elevation: 23.03'			Remarks: Sample selected for analysis at 6'.
Datum: Mean Sea Level			
Logged By: John Schafer			
Drilling Method: Backhoe Excavat	ion		
Contractor: Action Environmental			
Borehole Dia.:	1		
Depth (ft) Recovery Sample Interval PID	Бо		
Depth (ft) Recovery Sample In PID	Graphic Log		Material Description
	-		
0-2' 0.0 ppm 27 ppm 34.6 ppm 29 ppm 		Brown, FILL, sandy solidified Same as above w/ Base of test pit - Note: 4" pipe at 7 12" gas lin southern er at southern surface at	FILL w/m-c sand and f gravel, trace c gravel, loose matrix w/red and white kiln brick, concrete, tar, naphthalene-like odor /more solid tar chunks 6 ft. ' below ground surface at northern end of test pit. e (historical) and 8" drain line (historical) at nd of pit. Concrete walls at 2' below ground surface portion of pit. Cement platform at 1' below ground southern end of pit. Water at approximately 5' below face with heavy sheen.

Bit Status Bit Status Location: Bay Shore/Brightwaters Elevation: 22.90' Date(s): 01/14/02 Total Depth: 8.00' Datum: Mean Sea Level Date(s): 01/14/02 Total Depth: 8.00' Loged By: Tom Fox Diffing Method: Backhoe Excavation Remarks: Sample selected for analysis at 7-5'. Driffing Method: Backhoe Excavation Bitack, FilLL, cool fines Material Description Borehole Dia: Bitack, FilLL, cool fines Brown/tan, SAND and GRAVEL, loose, moist Bitack, Coorse SAND, heavy black tor staining, strong naphtholene/tarriliae odor, moist Same as above, pocket of light gray clay from 6-8' at southern end of pit Bitack, Bitack, Bitack, Same as above, proceed of analysis of a southern end of pit Bitack, Coorse SAND, heavy black tor staining, strong naphtholene/tarriliae odor, moist Bitack, Bitack, Bitack, Flut, cool fines Bitack, coorse SAND, heavy black tor staining, strong naphtholene/tarriliae odor, moist Bitack, Bitack, Bitack, Bitack, Coorse SAND, heavy black tor staining, strong naphtholene/tarriliae odor, moist Bitack, Bitack, Bitack, Bitack, Flut, cool fines Bitack, Bitack, Bitack, Bitack, Coorse SAND, heavy black tor staining, strong naphtholene/tarriliae odor, moist Bitack, Bitack, Bitack, Bitack, Bitack, Same as above, pocket of light gray clay from 6-8' at southern end of pit Bitack, Bitack, Bitack, Bitack, Bitack, Bitack, Bitack, Bitack, B			Site Id: BBTP-09
Description Description Elevation: 22.90' Detur: Kean Sea Level Logged By: Tom Fox Dottin: Mean Sea Level Logged By: Tom Fox Dottin: Environmental Borehole Dia: Black, FILL, coal fines 0-2' 0.00 ppm 0 diagonal bit 0 diagonal bit 0 diagonal bit			Location: Bay Shore/Brightwaters
ADMISON OF WILLIAM F. COSULCH ASSOCITES FC. Date(s): 01/14/02 - 01/14/02 Elevation: 22.90' Datum: Mean Sea Level Total Depth: 8.00' Logged By: Tom Fox Drilling Method: Backhoe Excavation Remarks: Sample selected for analysis at 7-5'. Drilling Method: Backhoe Excavation Contractor: Action Environmental Brown/tan, SAND and GRAVEL, loose, moist Borehole Dia: 0 - 2' 0.0 ppm 0 - 0' 2 - 4' 0.0 ppm 0 - 0' 3 - 0' 0 0 pit Black, Carse SAND, heavy black tar staining, strong naphthalene/tar-like odor, moist 3 - 0' 0 0 pit Base of test pit - 8 ft., water table at approximately 8' 1 0 0 pit 0 pit 3 - 0' 0 0 pit Base of test pit - 8 ft., water table at approximately 8' 1 0 0 pit 0 pit of 3' bgs and 4-6'' pipe at 4' bgs. Water table at bgs with heavy tar/oil emulsion but no observed	Bartiluo	cci	
Elevation: 22.90' Remarks: Sample selected for analysis at 7–8'. Datum: Mean Sea Level Image: Sample selected for analysis at 7–8'. Drilling Method: Backhoe Excovation Image: Sample selected for analysis at 7–8'. Drilling Method: Backhoe Excovation Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'. Image: Sample selected for analysis at 7–8'.			Date(s): 01/14/02 - 01/14/02
Dotum: Mean Sea Level Remarks: Sample selected for analysis at 7–8'. Logged By: Tom Fox Drilling Method: Backhoe Excavation Contractor: Action Environmental Borehole Dia: Image: Second Dia: Image: Second Dia: Image: Second Dia: Image: Sec			Total Depth: 8.00'
Logged By: Tom Fox Drilling Method: Backhoe Excovation Contractor: Action Environmental Borehole Dia: 0-2 0.0 ppm 0.0 ppm 0.0 oppm 0.0 ppm <			Remarks: Sample selected for analysis at 7-8'.
Drilling Method: Backhoe Excavation Contractor: Action Environmental Borehole Dia: Image: State of the sta			-
Contractor: Action Environmental Borehole Dia: Image: Second Sec			-
Barehole Dia:: Image: Construction of the second state of the			-
(1) (-
 0-2' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 0 ppm 0.0			
 0-2' 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 0 ppm 0.0	th (ft) overy nple Interval		Material Description
 2-4' 2-4' 2-4' 3- 4-6' 50 ppm 6-8' 320 ppm 6-8' 321 ppm 6-8' 322 ppm 8-10 10-10 10-10			
Page 1 of	2-4' 2-4' 2-4' 2-4' 2-4' 244 ppm 244 ppm 0.0 ppm 0.0 ppm 0.0 0.0 co 244 ppm 3- - - - - - - - - - - - - -	Brown/tan, SAND of Black, coarse SANE like odor Same as above, p of pit Base of test pit - Note: Foundation a test pit. Oc pit. 6" pipe	and GRAVEL, loose, moist D, heavy black tar staining, strong naphthalene/tar- r, moist ocket of light gray clay from 6-8' at southern end e 8 ft., water table at approximately 8' at 3' below ground surface (bgs) at southern end of ctagonal tank foundation at 3' bgs at northern end of e at 3' bgs and 4-6" pipe at 4' bgs. Water table at 8'

				Site Id: BBTP-10
		virka		Location: Bay Shore/Brightwaters
) an	artiluo	cci	Purpose: Test Pit
A DIVISION OF	CON WILLIAM F. COS	ISULTING EN	NGINEERS	Date(s): 01/10/02 - 01/11/02
				Total Depth: 8.00'
Elevation: 23.07'				Remarks: Samples selected for analysis at 5-7' and at 4"
Datum: Mean Sea Level				pipe.
Logged By: Tom Fox				-
Drilling Method: Backhoe		١		-
Contractor: Action Enviro	onmental			-
Borehole Dia.:				
Depth (ft) Recovery Sample Interval		Graphic Log		Material Description
0-2' 10 ppm 25 ppm 46 ppm 50 ppm 120 ppm 147 ppm 502 ppm 4-6' 506 ppm 704 ppm 6-8' 777 ppm 784 ppm 777 ppm 784 ppm 785 ppm 777 ppm 786 ppm 777 ppm 787 ppm 0.0.0.0 800 ppm 0.0.0.0 0.0.0 0.0.0 0.0.0 800 ppm 0.0.0 0.0.0 800 ppm 0.0.0 800 ppm 800 ppm 80				<pre>v/concrete and brick, moderate tar-like odor lly FILL, black staining, strong tar/hydrocarbon-like ise, moist BRAVEL, black staining, strong tar/hydrocarbon-like ise, wet at 7' 8 ft., water table at approximately 8' vall approximately 75 ft. from fence line, likely 000 cubic foot gas holder foundation. Tar saturated water table. Multiple 1-4" pipes running east-west at ground surface near former Drip House. Collected tar n 4" pipe for petroleum fingerprint analysis. Sheen on but no evidence of NAPL.</pre>

			Site Id: BBTP-11	
	Dvirka		Location: Bay Shore/Brightwaters	
) and Bartiluo	cci	Purpose: Test Pit	
A DIVISION OF W	CONSULTING EN VILLIAM F. COSULICH ASSO	NGINEERS CIATES, P.C.	Date(s): 01/10/02 - 01/10/02	
			Total Depth: 10.00'	
Elevation: 23.55'			Remarks: Samples selected for analysis at 6—7' and 9—10'.	
Datum: Mean Sea Level				
Logged By: John Schafer				
Drilling Method: Backhoe I				
Contractor: Action Environ	imental			
Borehole Dia.:				
Depth (ft) Recovery Sample Interval	PID Graphic Log		Material Description	
	0 bbml I	Brown, fine-coarse sandy FILL w/some fine-coarse gravel, some brick at		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	O ppm	 southern end of pit, two severed 4" pipes, loose, moist Brown, fine-coarse SAND w/f-c gravel, zones of heavy tar coating/staining Brown, fine-medium SAND, trace f gravel, pockets of heavy tar staining- saturated with tar, perched water at 4' by concrete wall Brown, fine SAND w/some medium-coarse sand, some fine-coarse gravel, heavy tar coating/staining from 7-8' Black, fine-coarse SAND w/some fine-coarse gravel, black staining- saturated with tar, solvent-like odor Base of test pit - 10 ft. Note: Multiple concrete walls (oil/tar separators) located in middle portion of test pit. In separators: brown, fine SAND w/medium- coarse sand and fine-coarse gravel, slight coal tar, dry. Water at northern end of test pit was black with sheen. Water in northern tar collection pit at 5' below ground surface had a naphthalene-like odor and LNAPL (possibly due to mixing of tar and water). Solid foundation at southern end of test pit. One 15" and two 4" pipelines running across test pit north of 		
		tar/oil colle	Page 1 of 1	

				Site Id: BBTP-12	
		virka		Location: Bay Shore/Brightwaters	
		nd artiluo	cci	Purpose: Test Pit	
A DIVISION C	DF WILLIAM F. CO	NSULTING EI DSULICH ASSO		Date(s): 01/10/02 - 01/10/02	
				Total Depth: 8.00'	
Elevation: 22.66'				Remarks: Sample selected for analysis at 6-8'.	
Datum: Mean Sea Leve	el				
Logged By: Tom Fox					
Drilling Method: Backho		'n		-	
Contractor: Action Envi	ronmental			_	
Borehole Dia.:					
Depth (ft) Recovery Sample Interval		bo			
Depth (ft) Recovery Sample Int		Graphic Log		Material Description	
Depth (ft Recovery Sample Ir	DIA	Grap			
0-2' 2-4' 4-6' 5- 6-8' 10- 15- 15- 20- 25- 25- 10- 15-	0.0024000000000000000000000000000000000		Same as above Brown/yellow, medi oil—like" Dark gray—black, c black sta Base of test pit — Note: Water has st emulsion fo	oarse SAND, clay lens at 7', gray staining from 6-7', ining, strong-mod hydrocarbon-like odor, wet at 7' 8 ft. rong hydrocarbon-like odor and floating water/oil am. Large 6" pipe at 2' below ground surface running coward Bayshore West Parcel. Brick foundation at 4'	

		Site Id: BBTP-13
Dvirka		Location: Bay Shore/Brightwaters
and Bartilu	ссі	Purpose: Test Pit
ADIVISION OF WILLIAM F. COSULICHASS	INGINEERS	Date(s): 01/15/02 - 01/15/02
		Total Depth: 8.00'
Elevation: 23.44'		Remarks: Sample selected for analysis at 3-5'.
Datum: Mean Sea Level		-
Logged By: Tom Fox		-
Drilling Method: Backhoe Excavation		-
Contractor: Action Environmental		-
Borehole Dia.:	1	
Graphic Log Graphic Log Caphic Lo		Material Description
0-2' 0.0 ppm 0.0 ppm 0.0 ppm 4-6' 2-4' 450 ppm 0.0 0 ppm 0.0 0 0 450 ppm 0.0 0 0 0.0 0 275 ppm 4-6' 278 ppm 470 ppm 472 ppm 472 ppm 500 ppm 500 ppm 500 ppm 500 ppm 500 ppm 500 ppm	Gray/yellow, mediu odor, loc Same as above Base of test pit - Note: Water table	SRAVEL, black staining, tar-like odor, loose, moist m-coarse SAND, moderate-strong naphthalene-like ose, moist - 8 ft., water table at approximately 8' at approximately 8' below ground surface w/sheen PL. 2" pipe at south end of test pit. 4" pipes at of test pit.

	_		Site Id: BBTP-14
	Dvirk	a	Location: Bay Shore/Brightwaters
) Bartil	ucci	Purpose: Test Pit
A DIVISION O	FWILLIAM F. COSULICH A	G ENGINEERS SSOCIATES, P.C.	Date(s): 03/05/02 - 03/05/02
			Total Depth: 9.00'
Elevation: 23.47'			Remarks: Two samples selected for analysis at 7-9'.
Datum: Mean Sea Leve			7-9'(1) taken from south end of pit. 7-9'(2) taken from south-east end of pit.
Logged By: John Schaf Drilling Method: Backho			-
Contractor: Action Envir			-
Borehole Dia.:			-
Depth (ft) Recovery Sample Interval	Graphic Log		Material Description
- - 2-4 - 4-6' 5-	0.0 ppm 125 ppm 158 ppm 177 ppm 181 ppm 207 ppm 211 ppm 209 ppm 227 ppm 2250 ppm 2250 ppm 2274 ppm 2258 ppm	section Black, silty sandy end of t Brown, FILL, sand, Brown, SAND and Gray-black, fine-c Base of test pit - Note: Water table Multiple co at 3' bgs	gravel, coal GRAVEL coarse SAND, trace clay, heavy hydrocarbon—like odor