



Northing: 1118614.2

Easting: 922371.7

Mud Line: NA

Surface Water Depth: NA

Drilling Company: Atlantic Testing

Logging Company: Atlantic Testing

Geologist: SCOTT DILLMAN / JIM SCHUETZ

Rig Type: BARGE MOUNTED CME 75

Total Depth: 113.0 Ft

Water Elev: NA

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20								Spun casing to 38 ft.		
25										
30										
35										
40			6-8-6-6	14	0		ML	Wet, loose to medium stiff, greenish gray, SILT some very fine sand, trace shells.	2SS-140H	SILT/fine sand

Site: Onondaga Lake (Syracuse NY)
 Boring No: OL-SB-20031
 Date: 05/09/2006 - 05/17/2006
 Weather: Sunny, cool, light breeze.



Northing: 1118614.2
 Easting: 922371.7
 Mud Line: NA
 Surface Water Depth: NA

Drilling Company: Atlantic Testing
 Logging Company: Atlantic Testing
 Geologist: SCOTT DILLMAN / JIM SCHUETZ
 Rig Type: BARGE MOUNTED CME 75

Total Depth: 113.0 Ft
 Water Elev: NA
 Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
80										
			4-7-9-7	16	0		ML	Wet, stiff, brown, SILT and fine Sand.	2SS-140H	
			7-4-5-5	9	0		ML	Wet, stiff, brown, SILT and fine Sand.	2SS-140H	SILT-fine SAND
85			7-4-5-5	9	0		ML	Wet, stiff, brown SILT, some fine sand, trace clay.	2SS-140H	
			4-1-1-1	2	0		ML	Wet, soft, brown SILT, little clay, trace fine sand.	2SS-140H	
90		WR-WR-WR-WR			0		ML	Wet, very soft, brown SILT, little fine sand, little clay. Stratified with higher percent and lower percent clay.	2SS-140H	SILT
		WR-WR-WR-10			0		ML/SW	Top 21 inches, wet, very soft, brown SILT, little clay, little fine sand. Rest of spoon wet, gray, dense fine medium SAND, trace silt.	2SS-140H	
			4-5-5-5	10	0		SW/SM	Top 20 inches wet, medium stiff, gray fine-medium SAND, trace silt. Rest of spoon wet, medium stiff, red fine SAND and SILT.	2SS-140H	fine SAND
95			7-6-7-10	13	0		SM/SW	Top 12 inches wet, medium stiff, red fine SAND and SILT. Rest of spoon is wet, medium stiff, gray fine-medium SAND, trace silt.	2SS-140H	fine SAND-SILT
			8-7-6-6	13	0		SW	Wet, medium dense, fine-coarse SAND, trace silt (gray-brown).	2SS-140H	fine SAND
100			10-11-9-10	20	0		SW	Wet, loose, medium dense, gray-brown, fine-coarse SAND, trace silt.	2SS-140H	SAND

Honeywell

Northing: 1118614.2
 Easting: 922371.7
 Mud Line: NA
 Surface Water Depth: NA

Drilling Company: Atlantic Testing
 Logging Company: Atlantic Testing
 Geologist: SCOTT DILLMAN / JIM SCHUETZ
 Rig Type: BARGE MOUNTED CME 75

Total Depth: 113.0 Ft
 Water Elev: NA
 Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
100										
			8-7-8-16	15	0		SW	Wet, medium dense, gray-brown, fine-coarse SAND, trace silt, no odors or NAPL.	2SS-140H	SAND
			25-23-19-23	42	0		SW/GW	Wet, dense, gray-brown, fine-coarse SAND and GRAVEL.	2SS-140H	
105			11-12-10-16	22	0		GW	Wet, dense, red/brown/gray/green, fine-coarse GRAVEL and SAND, trace silt, trace clay.	2SS-140H	
			18-13-9-12	22	0					SAND-GRAVEL
			19-23-22-19	45	0		GW	Wet, dense, gray, brown, red, green fine to coarse gravel and fine to coarse sand, trace silt and clay.	2SS-140H	
110			18-22-29-100	51	0		GW	111-112.5 wet, dense, gray, brown, red, green fine to coarse gravel and fine to coarse sand, trace silt and clay. 112.5-113 dense moist to wet red-brown TILL of fine to medium sand, some rounded gravel, little silt, little clay.	2SS-140H	
113.0										TILL

HAND CLEARED TO 5 FEET. SPIN CASING TO 38 FEET. START SAMPLING AT 38'. BORING ONSHORE NORTH OF CAUSEWAY BETWEEN GRAVEL ROAD AND LAKE. JIM SCHUETZ SUBING IN FOR SCOTT ON 5/12/06-5/16/06. BORING COMPLETED 5/17/2006. TOTAL DEPTH 113 FT. NULL FIELD READING INDICATE A READING WAS NOT TAKEN.



Northing: 1118518.62

Easting: 922528.86

Mud Line: NA

Surface Water Depth: 2 Ft

Drilling Company: Atlantic Testing

Logging Company: Atlantic Testing

Geologist: JIM SCHUETZ

Rig Type: BARGE MOUNTED CME 75

Total Depth: 103.0 Ft

Water Elev: NA

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20								Spun casing to 33 ft.		
35		WR-WR-WR-WR		0	0		ML	Wet, very soft, light gray, SILT, little Clay, trace shells, sulfur odor. MARL.	2SS-140H	
		WR-WR-WR-WR		0	0		ML	Wet, very soft, light gray grades to dark gray, SILT and Clay, trace shells. Grades finer downward. Sulfur odor.	2SS-140H	SILT-CLAY (Marl)
		WORWOR-WR-1-		0	0		ML	Wet, very soft, grades down ward in color lighter gray to dark gray, SILT little Clay, trace shells. Sulfur odor. MARL. Potential marker shell bed in middle, (Oyster like shells) also seen in 20030.	2SS-140H	
40		2-2-3-1		5	0		ML	Wet, medium stiff, gray to brown, SILT, little Clay. Grades downward from MARL to brown silt. Lower section stratified with more and less silt.	2SS-140H	

BORING LOG

Site: Onondaga Lake (Syracuse NY)
 Boring No: OL-SB-20032
 Date: 05/04/2006 - 05/09/2006
 Weather: Sunny, 75 deg F, calm.



Northing: 1118518.62
 Easting: 922528.86
 Mud Line: NA
 Surface Water Depth: 2 Ft

Drilling Company: Atlantic Testing
 Logging Company: Atlantic Testing
 Geologist: JIM SCHUETZ
 Rig Type: BARGE MOUNTED CME 75

Total Depth: 103.0 Ft
 Water Elev: NA
 Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
100										
			30-54-82-102	136	0		ML	Moist, hard, red, Silt, some fine to coarse Gravel, some Fine to coarse Sand, trace Clay. TILL.	2SS-140H	TILL
103.0										

COULD NOT GET NEXT TO THIRD ROW OF H-PILES. NEXT TO THE FORTH ROW. 11.7
 FROM H-PILE TO THE BOREHOLE. 56.4 FEET FROM CAUSEWAY TO BOREHOLE. SET 6 INCH
 CASING AT 48 FT. SET 4 INCH CASING AT 53 ft. Null field readings indicate
 a reading was not taken.

BORING LOG

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20034

Date: 05/04/2006

Weather: Sun, calm, 75 deg F.



Northing: 1118500.6

Easting: 922515.47

Mud Line: 381.15 Ft

Surface Water Depth: 1.65 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.80 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PiD (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0123-11	58.2		SM	Wet, loose, gray SAND, some silt, heavy black staining, trace wood fragments, trace organic fibers, heavy petroleum-like odor.	Vibracore	SAND
	OL-0122-74	4.2		SP	Top 14 inches is wet, soft, black to dark gray, SILT, little fine sand, organic fibers, strong petroleum-like odors, trace coal fragments (SM). Rest of core dark gray, moist, dense SAND, trace to little silt, some shells, sulfur odor (MARL).	Vibracore	SILT
5	OL-0122-75	12.7		SM	Wet, loose, gray, fine to medium SAND, some silt, some shells, sulfur odor, trace organic fibers (MARL).	Vibracore	SAND (Marl)
10	OL-0122-76	6.8		SM	Wet, loose, gray, SAND and SILT, some medium grain sand seams, some shells, sulfur odor (MARL).	Vibracore	
	OL-0122-77	6.2		ML	Wet, soft, gray, SILT and CLAY, some fine sand, some shells, trace organic fibers, sulfur odor (MARL).	Vibracore	SAND-SILT (Marl)
15	OL-0122-78	0.5		SM	Wet, loose, gray, fine SAND and SILT, trace clay, some shells, trace organic fibers, sulfur odor (MARL).	Vibracore	
20	OL-0122-79	2.2		SM	Wet, loose, gray, fine SAND and SILT, trace clay, some shells, trace organic fibers, sulfur odor (MARL).	Vibracore	

Honeywell

Northing: 1118500.6

Easting: 922515.47

Mud Line: 361.15 Ft

Surface Water Depth: 1.65 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.80 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0122-79						
	OL-0122-80	5		SM	Wet, loose, gray, fine SAND and SILT, trace clay, some shells, sulfur odor, 15 inches from bottom is a 4 inch thick medium grain NAPL saturated sand seam (MARL).	Vibracore	SAND-SILT (Mar)
25	OL-0122-81	10		ML	Moist, soft, gray, SILT and CLAY, little fine sand, some shells, sulfur odor, trace medium grain sand lenses 8 inches from top of core (MARL).	Vibracore	
	OL-0122-82	1.4		CL	Moist, soft to medium stiff, gray, CLAY, little silt, little shells, moderate plasticity, sulfur odor (MARL).	Vibracore	CLAY/silt (Mar)
30	OL-0122-83	1		CL	Moist, soft to medium stiff, gray, CLAY, little silt, little shells, moderate plasticity, sulfur odor (MARL).	Vibracore	
35.0							

Null field readings indicate a reading was not taken.



Northing: 1118372.27

Easting: 922638.3

Mud Line: 359.95 Ft

Surface Water Depth: 2.65 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 33.6

Core Recovery Depth:

Water Elev: 362.60 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0122-84	9.9		SM	Wet, soft black, SILT, little fine sand, trace rounded gravel, some organic fibers, slight petroleum-like odor.	Vibracore	
	OL-0122-85	0.7		SW	Wet, very soft, black, SILT, little fine sand, trace organic fibers, bottom 4 inches is fine SAND and SILT, petroleum-like odor.	Vibracore	
5	OL-0122-86	6.3		ML	Wet, soft, black, SILT, trace fine sand, dark gray interbedded silt lenses throughout core, organic fibers, petroleum-like odors.	Vibracore	SILT
	OL-0122-87	2.5		ML	Wet, soft, black, SILT, trace fine sand, dark gray interbedded silt lenses throughout core, organic fibers, petroleum-like odors.	Vibracore	
10	OL-0122-88	8.9		SM	Top 10 inches is wet, very soft, black, SILT, trace fine sand, organic fibers(ML). Rest core is dark gray to gray, SAND and SILT, some shells, sulfur odor (MARL).	Vibracore	
	OL-0122-89	22.4		SM	Wet, loose, fine SAND, some silt, trace shells, sulfur odor, trace organic fibers (MARL).	Vibracore	SAND/silt (Marl)
15	OL-0122-90	45.2		ML	Top 10 inches is wet, loose, fine SAND, some silt, trace shells, sulfur odor, trace organic fibers. Rest of core is moist, loose/soft, gray medium grain SAND and SILT and CLAY, trace shells, sulfur odor (MARL).	Vibracore	SILT-CLAY (Marl)
20	OL-0122-91						CLAY/silt (Marl)
21							

Honeywell

Northing: 1118372.27

Easting: 922638.3

Mud Line: 359.95 Ft

Surface Water Depth: 2.65 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 33.6

Core Recovery Depth:

Water Elev: 362.60 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
21	OL-0122-91	14		CL	Moist, stiff, gray, CLAY, little silt, moderate plasticity, some shells, sulfur odor, trace organics (MARL).	Vibracore	
25	OL-0122-92	42.1		CL	Moist, stiff, gray, CLAY, little silt, moderate plasticity, some shells, sulfur odor, trace organics (MARL).	Vibracore	
30	OL-0122-93	0.9		CL	Moist, stiff, gray, CLAY, little silt, moderate plasticity, some shells, sulfur odor, trace organics (MARL).	Vibracore	CLAY/silt (Marl)
33.6	OL-0122-94	1.1		CL	Moist, stiff, gray, CLAY, little silt, moderate plasticity, some shells, sulfur odor, trace organics (MARL).	Vibracore	

Null field readings indicate a reading was not taken.

Honeywell

Northing: 1118316.84

Easting: 922890.09

Mud Line: 359.3 Ft

Surface Water Depth: 3.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth:

Water Elev: 362.6 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0123-10	7.4		ML	Wet, very soft, black, to dark gray, SILT, trace fine sand, trace clay at bottom of core, organic fibers, heavy petroleum-like odor. Coal fragments.	Vibracore	SILT
	OL-0123-09	4		ML	Wet, very soft, black, to dark gray, SILT, trace fine sand, trace clay at bottom of core, organic fibers, heavy petroleum-like odor.	Vibracore	
5	OL-0123-08	4.4		ML	Wet, very soft, black to dark gray, SILT, trace fine sand, trace clay, organic fibers, heavy petroleum-like odor.	Vibracore	
	OL-0123-07	10.9		ML	Wet, very soft, black to dark gray, SILT, trace fine sand, trace clay, organic fibers, heavy petroleum-like odor.	Vibracore	
10	OL-0122-95	9.8		ML	Wet, very soft, black, SILT, trace clay, organic fibers, petroleum-like odor, trace gravel.	Vibracore	
15	OL-0122-96	0.5		SOLW	Wet, soft, greenish gray, silt like grains, trace fine sand, organic fibers, mothball odor.	Vibracore	
	OL-0122-97	0.8		SOLW	Wet, soft, greenish gray to white, silt like grains, trace fine sand, trace organic fibers, mothball odors.	Vibracore	
20	-----						

BORING LOG

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20036

Date: 05/04/2006

Weather: Sunny, 75 deg F, calm.

Honeywell

Northing: 1118316.84

Easting: 922690.09

Mud Line: 359.3 Ft

Surface Water Depth: 3.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth:

Water Elev: 362.6 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0122-97						SOLVAY WASTE
	OL-0122-98	0		SM	Top 19 inches is wet, soft, white to greenish gray, silt like grains little sand, trace organics (SOLW). Rest of core is wet to moist, dense, dark gray to gray, medium grain SAND, little silt, some shells (MARL).	Vibracore	SAND (Marl)
25	OL-0122-99	14.4		CL	Top 2 inches of core is wet, loose, gray, medium grain SAND, little silt, trace shells (SM). Rest of core is moist, medium stiff, gray CLAY, little silt, low to moderate plasticity, some shells, sulfur odor (MARL).	Vibracore	
30	OL-0123-06	9.8		CL	Moist, soft to medium stiff, gray CLAY, trace silt, some shells, trace organic fibers, slight sulfur odor (MARL).	Vibracore	CLAY (Marl)
	OL-0123-05	1.7		CL	Moist, soft to medium stiff, gray CLAY, trace silt, some shells, trace organic fibers, slight sulfur odor (MARL).	Vibracore	
35.0							

Null field readings indicate a reading was not taken.

Honeywell

Northing: 1118233.8

Easting: 922766.2

Mud Line: 358.50 Ft

Surface Water Depth: 4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.50 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0123-02	1.1		ML	Wet, soft, black, SILT, little fine sand, little fine gravel, petroleum-like odor, sheen on sediment.	Vibracore	SILT
	OL-0123-03	17		ML	Wet, very soft, SILT, some organic fibers, heavy petroleum-like odor trace fine gravel, trace coal fragments.	Vibracore	
5	OL-0123-04	5.1		ML	Wet, very soft, black to dark gray, SILT, trace fine sand, organic fibers, heavy petroleum-like odor.	Vibracore	
10	OL-0123-70	0.7		SOLW	Top 17 inches is wet, very soft, black, SILT and CLAY, petroleum-like odor, trace organics. Rest of core is gray to green, silt like grains, trace fine sand, mothball odor.	Vibracore	SOLVAY WASTE
	OL-0123-71	0.9		SOLW	Wet, soft, greenish gray, silt like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0123-72	0		SOLW	Wet, soft, greenish gray, silt like grains, mothball odor.	Vibracore	
	OL-0123-73	8.1		SOLW	Wet, soft greenish gray, silt like grains, trace fine sand, medium sand lenses in bottom foot of core, mothball odor.	Vibracore	
20							



Northing: 1118233.8

Easting: 922766.2

Mud Line: 358.50 Ft

Surface Water Depth: 4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.50 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0123-73						
	OL-0123-74	0.3		SOLW	Wet, soft, grayish green, silt like grains, trace fine sand, some medium grained sand lenses, mothball odor.	Vibracore	SOLWAY WASTE
25	OL-0123-75	0.4		CL	Top 26 inches, is grayish green to black, silt like grains, trace fine sand trace organic fibers, mothball odor (SOLW). Rest of core is moist, hard, gray, CLAY, little silt, little sand, some shells, slight sulfur odor (MARL).	Vibracore	
	OL-0123-76	3.2		CL	Moist, hard to medium stiff, gray CLAY, little silt, some shells, sulfur odor, moderate plasticity (MARL).	Vibracore	CLAY (Marl)
	OL-0123-77	31.7		CL	Moist, soft, gray CLAY, little silt, moderate plasticity, trace shells, trace organic fibers, sulfur odor (MARL).	Vibracore	

35.0

Null field readings indicate a reading was not taken.

Honeywell

Northing: 1118126.09

Easting: 922865.35

Mud Line: 355.7 Ft

Surface Water Depth: 7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.7 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0123-59	8.1		SM	Wet, very soft, SILT, little fine sand, trace organic fibers, trace fine angular gravel, petroleum-like odor.	Vibracore	SILT
	OL-0123-60	8.1		SOLW	Top 3 inches of core is wet, very soft, black, SILT, some fine sand, petroleum-like odor, rest of core is wet, soft, greenish gray to white, silt like grains, moth ball odor.	Vibracore	SOLVAY WASTE
5	OL-0123-61	9.8		SOLW	Wet, soft, gray, silt like grains, trace fine sand, moth ball odor.	Vibracore	
	OL-0123-62	12		SOLW	Wet, soft, gray, silt like grains, mothball odor, one isolated NAPL globule in bottom foot of core.	Vibracore	
	OL-0123-63	4.8		SOLW	Wet, soft, greenish gray, silt like grains, trace fine sand, trace organic fibers, mothball odors, medium sand lenses throughout top foot of core.	Vibracore	
15	OL-0123-64	0.5		SOLW	Wet, soft, greenish gray, silt like grains, trace fine sand, trace organic fibers, mothball odor.	Vibracore	
	OL-0123-65	0.3		SOLW	Wet, soft, greenish gray to gray, silt like grains, trace fine sand, trace organic fibers, mothball odor.	Vibracore	
20							

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20038

Date: 05/04/2006

Weather: Sunny, calm, 75 deg F.

Honeywell

Northing: 1118126.09

Easting: 922865.35

Mud Line: 355.7 Ft

Surface Water Depth: 7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.7 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0123-65	0.3		SOLW	Wet, soft, greenish gray to gray, silt like grains, trace fine sand, trace organic fibers, mothball odor.	Vibracore	
	OL-0123-66	0.5		SOLW	Wet, soft, greenish gray, silt like grains, trace fine sand, trace organic fibers, mothball odor.	Vibracore	SOLVAY WASTE
25	OL-0123-67	0.5		CL	Top 20 inches, is wet, soft, grayish green to dark green, silt like grains, trace fine sand (SOLW). Rest of core is moist, hard, gray, CLAY, little to trace silt, some shells, slight sulfur odor (MARL).	Vibracore	
	OL-0123-78	0.3		CL	Moist, medium stiff, gray CLAY, little to trace silt, some shells, moderate plasticity, sulfur odor (MARL).	Vibracore	CLAY (Marl)
30	OL-0123-79	0.4		CL	Moist, medium stiff, gray CLAY, little to trace silt, some shells, moderate plasticity, sulfur odor (MARL) grading to moist, soft, red brown CLAY and SILT, moderate to low plasticity.	Vibracore	Red-brown CLAY
35.0							

Null field readings indicate a reading was not taken.

BORING LOG



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20039

Date: 05/03/2006

Weather: Sunny, slight breeze, 75 deg F.

Northing: 1117999.12
 Easting: 922986.03
 Mud Line: 358.4 Ft
 Surface Water Depth: 6.3 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 35 Core Recovery Depth: 35

Water Elev: 362.7 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0					Sediment lost out top of sampler, no recovery, no sample collected.		
	OL-0122-52	68.4		GP	Wet, black, poorly sorted gravel, some silt and fine sand, wood fragments, slight chlorobenzene odor.	Vibracore	GRAVEL/Silt
	OL-0122-53	58.7		SOLW	Top 24 inches is wet, black, poorly sorted GRAVEL, some silt, some fine sand (GP). Rest of core is wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
5	OL-0122-54	20.6		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor.	Vibracore	SOLWAY WASTE
	OL-0122-55	9.5		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor.	Vibracore	
	OL-0122-56	40.6		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, trace organic fibers, isolated NAPL stringers at 7 inches from bottom of core and 10 inches from bottom of core.	Vibracore	
15	OL-0122-57	10		SOLW	Wet, soft, gray, silt like grains, little fine sand, moth ball odor, isolated NAPL stringers throughout.	Vibracore	
	OL-0122-58	298		SOLW	Wet, soft, gray white, silt like grains, trace fine sand, isolated NAPL stringers in top 4 inches of core, mothball odor.	Vibracore	
20							

BORING LOG



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20039

Date: 05/03/2006

Weather: Sunny, slight breeze, 75 deg F.

Northing: 1117999.12

Easting: 922986.03

Mud Line: 356.4 Ft

Surface Water Depth: 6.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.7 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0122-58						
	OL-0122-59	298		SOLW	Top 18 inches is wet, soft, grayish white, silt like grains, 18-22 inch is NAPL saturated medium sand lens, rest of core is hard, gray CLAY and SILT, some shells, slight sulfur odor (CL-MARL).	Vibracore	SOLVAY WASTE
25	OL-0122-60	0.5		CL	Moist, soft to medium stiff, gray CLAY, little silt, moderate to high plasticity, some shells, trace organic fibers, sulfur odor (MARL).	Vibracore	CLAY (Marl)
30	OL-0122-61	0.7		CL	Moist, medium stiff, gray, CLAY, little silt, some shells, sulfur odor. At 13 inches from the bottom core grades to moist, soft, gray, CLAY, some silt, moderate plasticity (MARL).	Vibracore	
	OL-0122-62	0		CL	Moist, soft, red brown, CLAY, little silt, trace shells (MARL), grading to moist, soft, red brown CLAY, some silt lenses, low plasticity.	Vibracore	Red-brown CLAY
35 35.3							

Null field readings indicate that a reading was not taken.

BORING LOG

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20040

Date: 05/05/2006

Weather: Sunny, calm, 55 deg F.



Northing: 1118551.7
 Easting: 922493.7
 Mud Line: 361.05 Ft
 Surface Water Depth: 1.45 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 35 Core Recovery Depth: 35

Water Elev: 362.50 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0123-33	0.7		SM	Top 15 inches is wet, soft, gray, SILT, some fine sand, trace clay, trace shells, sulfur odor, rest of core is wet, black, soft, SILT, some fine sand, petroleum-like odor, trace organic fibers, trace shells.	Vibracore	SILT
	OL-0123-32	1.2		SM	Wet, dense, gray, fine SAND, little silt, trace shells, sulfur odor (MARL).	Vibracore	
5	OL-0123-31	7.2		SM	Wet, loose, gray, fine SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
	OL-0123-23	3.6		SM	Wet, loose, gray, fine SAND and SILT, some medium grained sand lenses, some shells, sulfur odor (MARL).	Vibracore	
10	OL-0123-24	8		SM	Wet, soft, gray, SILT and SAND, trace clay in bottom foot of core, some shells, trace organic fibers, trace medium grain sand lens in bottom of core, strong sulfur odor (MARL).	Vibracore	SAND-SILT (Mar)
15	OL-0123-25	1.8		SM	Wet, soft, gray, SILT and SAND, trace clay in bottom foot of core, some shells, trace organic fibers, trace medium grain sand lenses in bottom of core, strong sulfur odor (MARL).	Vibracore	
20	OL-0123-26	13.2		ML	Top half of core is wet, soft, gray, SILT and SAND, trace clay, some shells, trace organic fibers, trace medium grain sand lenses, strong sulfur odor. Rest of core is moist, soft, gray, CLAY and SILT, trace fine sand, sulfur odor (MARL).	Vibracore	
22	OL-0123-27						



Northing: 1118551.7

Easting: 922493.7

Mud Line: 381.05 Ft

Surface Water Depth: 1.45 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.50 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0123-27	3.2		SM	Wet, soft, gray, SILT and SAND, trace clay, some shells, trace organic fibers, trace medium grain sand lenses, sulfur odor (MARL).	Vibracore	SAND-SILT (Marl)
25	OL-0123-28	0.7		CL	Top 12 inches is wet, soft, gray, SILT and SAND, trace clay, some shells, trace organic fibers, trace medium grain sand lenses, sulfur odor. Rest of core grades to a moist, medium stiff, gray CLAY and SILT, low plasticity, trace shells (MARL).	Vibracore	CLAY (Marl)
30	OL-0123-29	0.4		CL	Moist, medium stiff, gray CLAY, little silt, some shells, 3-in thick medium grain sand lense 6 inches from top of core and at bottom 3 inches of core, some shells, sulfur odor, moderate plasticity (MARL).	Vibracore	
35.0	OL-0123-30	0.3		CL	Top 1.5 inch is moist, loose, medium grain SAND, trace silt, trace shells (MARL). Rest of core is moist, medium dense, gray, CLAY, some silt, grading to moist, soft, red brown CLAY, some silt, moderate plasticity.	Vibracore	Red-brown CLAY

Null field readings indicate a reading was not taken.

BORING LOG



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20041

Date: 05/06/2006

Weather: Sunny, calm, 55 deg F.

Northing: 1118527
 Easting: 922516.8
 Mud Line: 360.97 Ft
 Surface Water Depth: 1.73 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 35 Core Recovery Depth: 33

Water Elev: 362.7 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0123-34	3.7		SM	Top 6 inches is wet, dense, gray, SAND, little silt, trace shells, little fine sub rounded gravel, petroleum-like odor, trace organics. Rest of core is wet, soft, gray to dark gray, SILT and fine SAND, trace organic fibers, trace shells, petroleum-like odor.	Vibracore	SAND
5	OL-0123-35	33.8		SW-SM	Wet, soft, gray, SILT and fine SAND, grading to dense, fine SAND, trace shells, trace organics, sulfur odor, black staining in top 5 inches of core (MARL).	Vibracore	fine SAND-SILT (Marl)
	OL-0123-36	71.5		SW-SM	Top 1 foot is dense, fine SAND, trace shells, trace organics, sulfur odor. Rest of core is wet, soft, gray, SILT and SAND, trace shells, sulfur odor (MARL).	Vibracore	
10	OL-0123-37	12.2		SM	Wet, soft, gray, SILT and fine SAND, trace shells, trace organic fibers. At 10 inches from bottom of core grading to SILT and CLAY, trace fine sand, sulfur odor, low plasticity (MARL).	Vibracore	SILT-CLAY (Marl)
15	OL-0123-38	7.8		ML	Moist, soft, gray, SILT and CLAY, little sand, grading to trace sand, trace shells, sulfur odor, moderate plasticity (MARL).	Vibracore	
	OL-0123-39	10.4		ML	Moist, soft, gray, SILT and CLAY, trace fine sand, trace shells, low plasticity, sulfur odor (MARL).	Vibracore	
20	OL-0123-40						

Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20041

Date: 05/06/2006

Weather: Sunny, calm, 55 deg F.

Northing: 1118527
 Easting: 922516.8
 Mud Line: 380.97 Ft
 Surface Water Depth: 1.73 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 35 Core Recovery Depth: 33

Water Elev: 382.7 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0123-40	6.5		CL	Moist, soft, gray, SILT and CLAY, trace fine sand, little shells, moderate plasticity, sulfur odor (MARL).	Vibracore	SILT-CLAY (Marl)
25	OL-0123-41	4.2		CL	Moist, medium stiff, gray CLAY, trace silt, trace fine sand, moderate plasticity, little shells, sulfur odor (MARL).	Vibracore	
	OL-0123-42	1.7		CL	Moist, medium stiff to stiff, gray CLAY, little silt, trace shells, moderate to high plasticity, 3-inch thick medium grain sand seam 6 inches from bottom of core (MARL).	Vibracore	
30	OL-0123-43	0		CL	Moist, medium stiff to stiff, gray CLAY, little silt, trace shells, moderate to high plasticity, grading to moist, soft, red-brown CLAY and SILT, moderate plasticity.	Vibracore	
33.0							Red-brown CLAY

Null field readings indicate a reading was not taken.