





Site: Onondaga Lake (Syracuse NY)  
 Boring No: OL-VC-20042  
 Date: 05/11/2006  
 Weather: Sunny, calm, 70 deg F.



Northing: 1118433.51  
 Easting: 922587.72  
 Mud Line: 360.10 Ft  
 Surface Water Depth: 2.6 Ft

Drilling Company: Atlantic testing and OSI  
 Logging Company: Parsons  
 Geologist: SARA CHMURA  
 Rig Type: BARGE MOUNTED CME 75

Total Depth: 42.5 Ft  
 Water Elev: 362.70 Ft  
 Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
40										
		WR-4-2-1		6	0		ML	Wet, medium stiff, red-brown, SILT and Clay, trace fine Sand. Silt and fine sand lense from 15 to 18 inches from top of spoon.	2SS-140H	Red-brown CLAY
42.5										

LOCATED DRILL RIG TO SAMPLE FROM BOTTOM OF VIBRACORE TO CLAY. Null field readings indicate a reading was not taken.

# Honeywell

Northing: 1118001.7

Easting: 923003.9

Mud Line: 350.50 Ft

Surface Water Depth: 12.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 32.6

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0123-80	80.2		ML	Wet, very soft, black, SILT, little fine sand, coal fragments, slag, trace organic fibers, petroleum-like odor.	Vibracore	SILT
5	OL-0123-81	18.9		ML	Wet, very soft, black, SILT, little fine sand, little poorly sorted gravel, coal fragments, slag, trace organic fibers, petroleum-like odor.	Vibracore	
	OL-0123-82	9.2		ML	Black, wet, very soft, SILT, trace fine sand, slag, coal fragments, trace organic fibers, SOLW mixed in.	Vibracore	
10	OL-0123-83	4.5		SOLW	Top 14 inches is black, wet, very soft, SILT, trace fine sand, slag, coal fragments, trace organic fibers, SOLW mixed in. Rest of core, is wet, soft, gray, silt like grains, mothball odor.	Vibracore	SOLVAY WASTE
15	OL-0123-84	0		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0123-85	0		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
20	OL-0123-86						



Northing: 1118001.7

Easting: 923003.9

Mud Line: 350.50 Ft

Surface Water Depth: 12.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 32.6

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0123-86	467		SOLW	Top 33 inches is wet, soft, grayish white, silt like grains, trace fine sand, mothball odor, NAPL saturated from 22 to 33 inches. Rest of core grades to moist, soft, grayish tan, CLAY, little silt, trace shells (MARL).	Vibracore	SOLVAY WASTE
25	OL-0123-87	3.5		CL	Top 22 inches of core is moist, soft to medium stiff, gray CLAY, little silt, trace shells, sulfur odor, rest of core is moist to dry, hard, gray, CLAY, trace silt, trace shells (MARL).	Vibracore	CLAY (Marl)
	OL-0126-70	0.3		CL	Top 10-in is moist, medium stiff, gray, CLAY, some silt, trace to no shells, slight sulfur odor, moderate plasticity (MARL). Rest of core is moist, red-brown, soft, CLAY, some silt, trace silt lenses, moderate plasticity, trace organics.	Vibracore	
30		0		CL	Moist, soft, red-brown, CLAY and SILT. NOTE: no sample collected, core archived.	Vibracore	Red-brown CLAY
32.6							

Null field readings indicate a reading was not taken.

# Honeywell

Northing: 1117950.4

Easting: 923134.1

Mud Line: 349.30 Ft

Surface Water Depth: 13.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

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-0123-22	7.6		ML	Top 6 inches is wet, very soft, black, SILT, some fine sand, little coal fragments, trace fine angular gravel, petroleum-like odor. Rest of core is wet, dark gray, SILT, some clay, trace organic fibers, low plasticity, petroleum-like odor.	Vibracore	SILT
	OL-0123-21	4.2		SOLW	Top 5 inches, is wet, very soft, black, SILT, some fine sand, coal and brick fragments, petroleum-like odor, rest of core is greenish gray to gray, wet, soft silt like grains, mothball odor.	Vibracore	
5	OL-0123-20	0.7		SOLW	Wet, soft, gray, silt like grains, trace fine sand, small, fine to medium sand lenses throughout core, mothball odor.	Vibracore	
	OL-0123-19	1.9		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	SOLVAY WASTE
10	OL-0123-18	0.6		SOLW	Wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	
15							

**BORING LOG**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20044

Date: 05/05/2006

Weather: Sunny, calm, 55 deg F.



Northing: 1117950.4

Easting: 923134.1

Mud Line: 349.30 Ft

Surface Water Depth: 13.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

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
15	OL-0123-18						
	OL-0123-17	0.4		SOLW	Wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	SOLVAY WASTE
20	OL-0123-16	0.3		CL	Top 13 inches is wet, soft, gray grading to tan, silt like grains, slight mothball odor. (SOLW). Rest of core, wet to moist, dark gray, medium stiff to hard CLAY, moderate plasticity, some shells, sulfur odor (MARL).	Vibracore	CLAY (Med)
	OL-0123-15	0		CL	Moist, dark gray to gray, hard to medium stiff, CLAY, little silt, some shells, sulfur odor MARL.	Vibracore	
25	OL-0123-14	0	0.8	CL	Top 12 inches is moist, soft, gray, CLAY, little silt, trace shells (MARL), grading to moist, soft, red brown, CLAY and SILT, moderate plasticity.	Vibracore	Red-brown CLAY
	OL-0123-13	0		CL	Moist, soft, red brown, CLAY and SILT, moderate plasticity, trace interbedded silt lenses.	Vibracore	
30	-----						



Northing: 1117950.4

Easting: 923134.1

Mud Line: 349.30 Ft

Surface Water Depth: 13.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

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
30	OL-0123-13						
	OL-0123-12	0		CL	Moist, soft, red brown, clay and silt, high plasticity, trace interbedded silt lenses.	Vibracore	Red-brown CLAY
35.0							

Null field readings indicate a reading was not taken.





Northing: 1118013.7  
 Easting: 923017.5  
 Mud Line: 348.80 Ft  
 Surface Water Depth: 13.9 Ft

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

Water Elev: 362.70 Ft  
 Attempts: 1  
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0123-88						
	OL-0123-95	6.2		CL	Moist, soft to medium stiff, gray, CLAY, little silt, trace shells, sulfur odor (MARL), grading to moist, soft, red brown CLAY and SILT at bottom 6 of core.	Vibracore	CLAY (Marl)
25	OL-0123-96	0.5		CL	Moist, soft, red brown, CLAY and SILT, some silt lenses throughout core, inches moderate plasticity.	Vibracore	
30				CL	NOTE: no sample collected, core archived. Red-brown clay visible through core liner.	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-20046

Date: 05/06/2006

Weather: Sunny, calm, 55 deg F.



Northing: 1117914.1  
 Easting: 923194.5  
 Mud Line: 348.80 Ft  
 Surface Water Depth: 13.9 Ft

Drilling Company: Ocean Survey Inc  
 Logging Company: Ocean Survey  
 Geologist: SARA CHMURA  
 Penetration Depth: 35      Core Recovery Depth: 34.8

Water Elev: 362.70 Ft  
 Attempts: 1  
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0123-97	2		ML	Wet, soft, black, SILT, trace fine sand, organic fibers, trace slag, petroleum-like odor.	Vibracore	SILT
	OL-0123-98	19.2		ML	Top 26 inches is wet, soft, black, SILT, petroleum-like odor. Rest of core is wet, soft, grayish white, silt like grains, trace fine sand, mothball odor (SOLW).	Vibracore	
5	OL-0123-99	1425		SOLW	Top 12 inches is wet, soft to medium stiff, dark gray, SILT, little fine sand, 2-inch thick NAPL seam at 7 inches from top of core. 12-25 inches is NAPL saturated silt like grains, trace fine sand. Rest of core is wet, soft, grayish white, silt like grains.	Vibracore	SOLVAY WASTE
10	OL-0123-100	3.2		SOLW	Wet, soft, grayish white, silt like grains, small isolated NAPL globules in top 3 inches.	Vibracore	
	OL-0124-01	5000		SOLW	Wet, soft grayish white, silt like grains. 4 inch thick sand lens saturated with NAPL 14 inches from bottom of core.	Vibracore	
15	OL-0124-02	7.9		SOLW	Wet, soft, grayish white, silt like grains, isolated NAPL stringer in top 2-3 inches, mothball odor.	Vibracore	
20	OL-0124-03	8200		CL	Top 13 inches is wet, soft, grayish white, silt like grains, mothball odor (SOLW) with medium grain sand seams at 13 inches, 11-18 inches is NAPL saturated. Rest of core is moist, soft, gray, CLAY, some silt, some shells, slight sulfur odor, moderate plasticity.	Vibracore	
22	OL-0124-04						CLAY (Marl)

# Honeywell

Northing: 1117914.1

Easting: 923194.5

Mud Line: 348.80 Ft

Surface Water Depth: 13.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 34.8

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0124-04	1.9		CL	Moist, soft, to medium stiff, gray, CLAY, little silt, little shells, moderate plasticity, sulfur odor, trace organic fiber (MARL).	Vibracore	CLAY (Marl)
25	OL-0124-05	0		CL	Top 2 inches is moist, soft, to medium stiff, gray, CLAY, little silt, little shells, moderate plasticity, sulfur odor, trace organic fiber (MARL). Rest of core is moist, soft, red brown CLAY and SILT, low to moderate plasticity.	Vibracore	Red-brown CLAY
30				CL	NOTE: no sample collected, core archived. Red-brown clay visible through core liner.	Vibracore	
34.8							

Null field readings indicate a reading was not taken.

**BORING LOG**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20047

Date: 05/08/2006

Weather: Sunny, calm, 55 deg F.



Northing: 1118026.2  
 Easting: 923030.3  
 Mud Line: 348.30 Ft  
 Surface Water Depth: 14.3 Ft

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

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-0124-35	1.1		ML	Wet, very soft, black, SILT, trace fine sand, shells in top inch, spotty rainbow sheen in sediment, petroleum-like odor.	Vibracore	SILT
	OL-0124-34	2.3		ML	Top 26 inches is wet, very soft, black, weathered rock fragments, trace organic fibers, slag, petroleum-like odor, rest of core, is dark gray to gray, wet soft, silt like grains, mothball odor (SOLW).	Vibracore	
5	OL-0124-33	0.7		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	SOLWAY WASTE
10	OL-0124-32	0.4		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0124-31	0.1		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0124-29	0.4		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
20	OL-0124-13	894		SOLW	0-34 inches is wet, soft, grayish white to dark gray, silt like grains, 23 to 34 inches is NAPL saturated. Rest of core is hard, dry, gray, CLAY, trace silt, some shells (MARL).	Vibracore	
22	OL-0124-31						CLAY (Marl)

# Honeywell

Northing: 1118026.2

Easting: 923030.3

Mud Line: 348.30 Ft

Surface Water Depth: 14.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

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
22	OL-0124-30	0.4		CL	Top 21 inches, is hard, dry, gray CLAY, little to no silt, little shells, sulfur odor. Rest of core is moist, medium stiff, gray CLAY, little silt, trace shells, moderate plasticity (MARL).	Vibracore	CLAY (Marl)
25				CL	Moist, gray, CLAY, little silt, trace shells (Marl). No sample collected.	Vibracore	
30				CL	Moist, red/brown, CLAY, some silt. No sample collected.	Vibracore	Red-brown CLAY
35.0				CL	Moist, red/brown, CLAY, some silt. No sample collected.	Vibracore	

Null field readings indicate a reading was not taken.

# Honeywell

Northing: 1117880.2

Easting: 923290.4

Mud Line: 356.80 Ft

Surface Water Depth: 5.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 30

Core Recovery Depth: 28.9

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0124-06	4.8		GP	Wet, poorly sorted GRAVEL, some fine sand, little to no silt, spotty rainbow sheen, slight petroleum-like odor, shells in top 2 inches of core.	Vibracore	GRAVEL
	OL-0124-07	102		GP	Wet, poorly sorted GRAVEL, some fine sand, little to no silt, spotty rainbow sheen, slight petroleum-like odor. Bottom 10 inches is hard, moist, teal, silt like grains, large brick fragments, petroleum-like odor.	Vibracore	
5	OL-0124-08	1573		SOLW	Top 14 inches is wet, soft, greenish gray, NAPL saturated silt like grains, some fine sand. Rest of core is wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	SOLWAY WASTE
	OL-0124-09	3.4		SOLW	Wet, soft, green, silt like grains, and fine sand, slight mothball odor.	Vibracore	
10	OL-0124-10	3152		SM	Top 4 inches is wet, soft, greenish gray, silt like grains (SOLW). Rest of core is, wet, loose, gray, fine SAND, some silt, some shells, trace organic fibers, NAPL saturated, lens of Marl.	Vibracore	SAND/silt (Marl)
	OL-0124-11	4168		SM	Wet, loose, gray, fine SAND, some silt, some shells, NAPL saturated, lens of Marl.	Vibracore	
15							
19							

# Honeywell

Northing: 1117880.2

Easting: 923290.4

Mud Line: 358.80 Ft

Surface Water Depth: 5.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 30

Core Recovery Depth: 28.9

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
19	OL-0124-14	507		SM	0 to 26 inches is NAPL saturated gray, fine SAND and SILT, some shells, Trace organic matter. Rest of core is, moist, soft, gray, CLAY, little silt, trace shells, moderate plasticity, sulfur odor (MARL).	Vibracore	SAND/silt (Marl)
20							
	OL-0124-12	11.9		CL	Moist, soft to medium stiff, gray CLAY, little silt, moderate plasticity, little shells (MARL), grading to moist, soft red brown, CLAY and SILT at 12 inches from the bottom of core.	Vibracore	
25				CL	NOTE: no sample collected, cores archived. Red-brown clay visible through core liner.	Vibracore	Red-brown CLAY
28.9							

Null field readings indicate a reading was not taken.

# Honeywell

Northing: 1117931.7

Easting: 923213.5

Mud Line: 348.60 Ft

Surface Water Depth: 14.1 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0126-55	10		ML	Top 18in is wet, very soft, black, SILT, trace fine sand, petroleum-like odor, trace organic fibers, rest of core, wet, soft, light green to grayish white, silt like grains, mothball odor (SOLW).	Vibracore	SILT
	OL-0126-56	2.8		SOLW	Wet, medium dense to soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	SOLVAY WASTE
5	OL-0126-57	1.7		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0126-58	11.2		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0124-20	1085		SOLW	Wet, soft, gray, silt like grains, trace fine sand, mothball odor NAPL saturated zone at 16 inches from top of core to 19 inches. Rest of core is wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	
15	OL-0124-19	17.4		SOLW	Wet, soft grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
20	OL-0124-16	2122		CL	Top 4.5 inches is wet, soft, tan silt like grains. 4.5-8.5 is soft, dark gray, NAPL saturated SILT lens and medium grain SAND lens, (contact) rest of core is moist, gray, medium stiff, CLAY, little silt, moderate plasticity, some shells (MARL).	Vibracore	
22	OL-0126-59						



Northing: 1117931.7  
 Easting: 923213.5  
 Mud Line: 348.60 Ft  
 Surface Water Depth: 14.1 Ft

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

Water Elev: 362.70 Ft  
 Attempts: 1  
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0126-59	3.8		CL	Moist, soft to medium stiff, gray CLAY, little silt, little shells, sulfur odor, low to moderate plasticity (MARL). Bottom 8-in is moist, soft, red brown, CLAY, and SILT, moderate plasticity.	Vibracore	CLAY (Marl)
25					NOTE: no sample collected, cores archived. Red-brown clay visible through core liner.	Vibracore	
30				CL			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-20050

Date: 05/09/2006

Weather: Sunny, calm, 55 deg F.



Northing: 1118038.5  
 Easting: 923044.3  
 Mud Line: 348.00 Ft  
 Surface Water Depth: 14.7 Ft

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

Water Elev: 362.70 Ft  
 Attempts: 1  
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0124-52	0.3		ML	Wet, black, soft, SILT, petroleum-like odor.	Vibracore	SILT
	OL-0124-51	86.5		SOLW	0-10 inches is black to dark gray, SILT, trace fine sand, petroleum-like odor, 10 to 21 inches is tan-brown SILT, trace sand, petroleum-like odor, rest of core is wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	
5	OL-0124-50	0.6		SOLW	Wet, soft, grayish white to light green, silt like grains, trace organics, mothball odor.	Vibracore	SOLWAY WASTE
	OL-0124-49	0.6		SOLW	Wet, soft, grayish white, silt like grains, trace organics, mothball odor.	Vibracore	
	OL-0124-48	0.2		SOLW	Wet, soft, grayish white, silt like grains, trace organics, mothball odor.	Vibracore	
	OL-0124-47	0.8		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0124-46	340		SOLW	Top 17 inches is grayish white, soft, wet, silt like grains, trace fine sand, mothball odor, 17-19 inches is a tan, silt like grain layer with some NAPL globules, from 19-29 inches, wet, soft, dark gray to gray, silt like grains, some slag. Rest of core is hard gray, silt like grains.	Vibracore	
22	OL-0124-53						CLAY (Marl)



Northing: 1118038.5  
 Easting: 923044.3  
 Mud Line: 348.00 Ft  
 Surface Water Depth: 14.7 Ft

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

Water Elev: 362.70 Ft  
 Attempts: 1  
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0124-53	0		CL	Top 16 inches is dry, hard, gray, CLAY, trace shells, sulfur odor, rest of core is, moist, medium stiff, gray, CLAY, little silt, trace shells, moderate plasticity, sulfur odor, marl.	Vibracore	CLAY (Marl)
25	OL-0124-54	0.1		CL	0-20 inches is moist, medium stiff, gray, CLAY, little silt, trace shells, sulfur odor (MARL). Rest of core is moist, soft, red brown, CLAY, some silt, low plasticity.	Vibracore	
30				CL	NOTE: no sample collected, cores archived. Red-brown clay visible through core liner.	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-20051  
 Date: 05/08/2006  
 Weather: Sunny, calm, 55 deg F.



Northing: 1118057.3  
 Easting: 922969.3  
 Mud Line: 349.95 Ft  
 Surface Water Depth: 12.75 Ft

Drilling Company: Ocean Survey Inc  
 Logging Company: Ocean Survey  
 Geologist: SARA CHMURA  
 Penetration Depth: 35      Core Recovery Depth: 34

Water Elev: 362.70 Ft  
 Attempts: 1  
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0126-62	0.2		ML	Wet, very soft, black, SILT, trace fine sand, trace organics.	Vibracore	SILT
	OL-0126-63	5.9		ML	Wet, very soft, black, SILT, trace fine sand, trace organic fibers, bottom 2in poorly sorted gravel, petroleum-like odor.	Vibracore	
5	OL-0126-64	18.3		SOLW	Top 19in is wet, very soft, black, SILT, trace fine sand, trace organic fibers (ML), rest of core is grayish white to black (smearing from above), silt like grains, trace fine sand, slag, petroleum-like odor and mothball odor.	Vibracore	SOLVAY WASTE
	OL-0126-65	0.2		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor, top 11in has black smearing, 7in from bottom of core is a tan medium stiff, silt-like lense, slag.	Vibracore	
10	OL-0126-66	0.5		SOLW	Wet, soft to medium stiff, grayish white, silt like grains, little stiff silt like lenses, 22in from top there is a black, hard, silt-like seam, mothball odor.	Vibracore	
	OL-0124-17	0.9		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0124-15	0		CL	Top 23in is wet, soft, grayish white grading to dark gray, silt like grains. At 23in is sharp contact of SOLW with soft to hard, dark gray, CLAY, little silt, trace shells, high plasticity (MARL).	Vibracore	CLAY (Marl)
20	OL-0124-18						
22							

# Honeywell

Northing: 1118057.3

Easting: 922989.3

Mud Line: 349.95 Ft

Surface Water Depth: 12.75 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 34

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0124-18	0.2		CL	Top 19 inches is dry, hard, gray CLAY, little silt, some shells. Rest of core is moist, soft, gray CLAY, little silt, some shells, sulfur odor (MARL).	Vibracore	CLAY (Marl)
25	OL-0126-67	0.1		CL	0-25in is moist, medium stiff, gray CLAY, little silt, trace to no shells, moderate plasticity, sulfur odor (MARL). Rest of core is moist, medium stiff, red-brown CLAY, some silt, moderate plasticity.	Vibracore	
30				CL	NOTE: no sample collected, cores archived. Red-brown clay visible through core liner.	Vibracore	Red-brown CLAY
34.0							

Null field readings indicate a reading was not taken.

**BORING LOG**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20052

Date: 05/09/2006

Weather: Sunny, calm, 55 deg F.



Northing: 1117989.9

Easting: 923067.3

Mud Line: 348.10 Ft

Surface Water Depth: 14.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 382.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0124-27	2.3		ML	Wet, soft, black, SILT, little fine sand, trace organic fibers, rock fragments, trace isolated NAPL globules, petroleum-like odor.	Vibracore	SILT
	OL-0124-26	1.8		SOLW	Top 1 inch is wet, black, very soft, silt with trace sand, petroleum-like odor. Rest of core is wet, soft, grayish white, silt like grains.	Vibracore	SOLVAY WASTE
5	OL-0124-25	0.6		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0124-24	0.3		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0124-23	0.2		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, some thin medium grain to fine grain sand lenses, mothball odor.	Vibracore	
10	OL-0124-22	0		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0124-21	0.4		CL	Top 19 inches is wet, soft, grayish white to tan-gray, silt like grains, little fine sand, mothball odor. 19-31 inches is dry, hard, gray, CLAY, little shells, rest of core is moist, medium stiff, gray CLAY, little silt, trace shells, slight sulfur odor.	Vibracore	
22	OL-0124-20						

# Honeywell

Northing: 1117989.9  
 Easting: 923067.3  
 Mud Line: 348.10 Ft  
 Surface Water Depth: 14.6 Ft

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

Water Elev: 362.70 Ft  
 Attempts: 1  
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0124-28	0		CL	Top 20 inches is moist, medium stiff, gray CLAY, little silt, moderate plasticity, sulfur odor, some shells, rest of core is moist, soft to medium stiff, gray-brown, CLAY, some silt, trace shells, trace black friable organics (MARL).	Vibracore	CLAY (Marl)
25	OL-0128-60	0.6		CL	Top 8 in. Moist, hard, gray, CLAY, little silt some shells, sulfur odor. Rest of core Moist, soft to medium stiff, gray CLAY, little silt, little shells, moderate plasticity, sulfur odor (Marl).	Vibracore	
30	OL-0128-61	0		CL	Moist, soft to medium stiff, red-brown CLAY and SILT, trace black friable organics, low to moderate plasticity, thin silt lenses through out.	Vibracore	Red-brown CLAY
				CL	NOTE: no sample collected, core archived. Red-brown clay visible through core liner.	Vibracore	
35.0							

Null field readings indicate a reading was not taken.

**BORING LOG**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20053

Date: 05/09/2006

Weather: Sunny, calm, 55 deg F.



**Northing: 1118166.4**  
**Easting: 922852.6**  
**Mud Line: 355.90 Ft**  
**Surface Water Depth: 6.8 Ft**

**Drilling Company: Ocean Survey Inc**  
**Logging Company: Ocean Survey**  
**Geologist: SARA CHMURA**  
**Penetration Depth: 35**      **Core Recovery Depth: 34**

**Water Elev: 362.70 Ft**  
**Attempts: 1**  
**Depth Units: Ft**

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0124-45	0.7		ML	Wet, very soft, black, SILT, little fine sand, trace organic fibers, trace shells, and wood fragments in top 2 inches of core, petroleum-like odor.	Vibracore	SILT
	OL-0124-44	0.9		ML	Top 23 inches is wet, very soft, black, SILT, trace sand, slight petroleum-like odor, rest of core is greenish gray, silt like grains, slight mothball odor (SOLW).	Vibracore	
5	OL-0124-43	2.4		SOLW	Wet soft, grayish white, silt like grains, 7 inches from bottom of the core is a brown fine sand seam.	Vibracore	SOLVAY WASTE
	OL-0124-42	0.4		SOLW	Wet, soft, grayish white, silt like grains, one isolated NAPL stringer at bottom of core, mothball odor.	Vibracore	
10	OL-0124-41	0.6		SOLW	Wet, soft, white to greenish gray, silt like grains, mothball odor.	Vibracore	
14	-----						

**BORING LOG**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20053

Date: 05/09/2006

Weather: Sunny, calm, 55 deg F.



Northing: 1118166.4

Easting: 922852.6

Mud Line: 355.90 Ft

Surface Water Depth: 6.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 34

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
14	OL-0124-41						
15	OL-0124-37	4		SOLW	Wet, soft, green to greenish gray, silt like grains, little fine sand, mothball odor.	Vibracore	
	OL-0124-36	0.5		SOLW	Wet, soft, green to greenish gray, silt like grains, little fine sand, mothball odor, black staining from 7 to 26 inches from top of core.	Vibracore	
20	OL-0124-38	0.1		SOLW	Wet, soft, green to greenish gray, silt like grains, little fine sand, mothball odor.	Vibracore	SOLVAY WASTE
25	OL-0124-39	0.1		SOLW	Wet, soft, light green to dark green, silt like grains, trace fine sand, mothball odor, slag seam at 6 inches from bottom of core.	Vibracore	
28	OL-0124-40						

**BORING LOG**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20053

Date: 05/09/2006

Weather: Sunny, calm, 55 deg F.



Northing: 1118166.4  
 Easting: 922852.6  
 Mud Line: 355.90 Ft  
 Surface Water Depth: 6.8 Ft

Drilling Company: Ocean Survey Inc  
 Logging Company: Ocean Survey  
 Geologist: SARA CHMURA  
 Penetration Depth: 35      Core Recovery Depth: 34

Water Elev: 362.70 Ft  
 Attempts: 1  
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
28	OL-0124-40	0		CL	Top 12 inches is wet, soft, dark green to brown, silt like grains, some slag (SOLW). Rest of core is dry to moist, hard to medium stiff, gray, CLAY, little silt, little shells, moderate plasticity, sulfur odor (MARL).	Vibracore	SOLVAY WASTE
30							CLAY (Marl)
	OL-0126-82	1.2		CL	Moist, medium stiff, gray, CLAY, little silt, some shells, grading to trace shells at bottom of core, sulfur odor, moderate plasticity (MARL).	Vibracore	
34.0							

Null field readings indicate a reading was not taken.