

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
OL-VC-10034	8/8/2006	15:00	1118059.79	923085.68	14.9	362.77	347.87	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.7	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.6 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, green discoloration at 27 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, 5 inches from bottom of core is a greenish tan discoloration, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.5 Jerome:

Sample Description: Top 4 inches is tan. Rest of core is grayish white, wet, soft, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0.4 Jerome:

Sample Description: Wet soft, grayish white, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.4 Jerome:

Sample Description: Wet, soft, grayish white, trace fine sand, mothball odor.

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Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.7 USCS: CL PID: 0.4 Jerome:

Sample Description: 0 to 8 inches is wet, soft, grayish white and tan, silt like grains, (SOLW), 8 to 15 inches is wet, soft, dark gray, silt like grains, Solvay chunks. Rest of core is moist, very hard grading to medium stiff, gray, CLAY, some silt, low plasticity, slight sulfur odor?, (MARL).

OL-VC-10035	8/9/2006	12:57	1118249.1	923155.9	15.7	362.7	347	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 1 Jerome:

Sample Description: 0 to 19 inches is wet, soft, white, silt like grains, 19 to 31 is dark gray, wet, very soft, silt like grains, trace fine sand, 1-inch thick or larger Solvay chunks. Rest of core is dark gray to gray, silt like grains, trace Solvay chunks, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.6 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace organics, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, grayish white to green, silt like grains.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, grayish white to green, silt like grains.

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Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0.6 Jerome:

Sample Description: Wet, soft, grayish white to green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Wet, soft, grayish white to green, silt like grains, trace fine sand, mothball odor, 0.5 inch thick or smaller Solvay chunks in bottom of core.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 1.2 Jerome:

Sample Description: 0 to 31 inches is wet, soft, blue green, silt like grains, trace fine sand, mothball odor. Rest of core is moist, medium stiff, gray, CLAY, some silt, trace shells, sulfur odor, moderate plasticity, (MARL).

OL-VC-10036	8/9/2006	15:00	1118201.6	923262.9	15.2	362.6	347.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, very soft to soft, gray green to grayish white, silt like grains, trace fine sand, black discoloration at 6 and 37 inches, trace Solvay chunks within black discoloration, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, very soft, grayish green, silt like grains, trace fine sand, trace organics, black discoloration at 12 and 20 and 38 inches, mothball, odor.

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Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, very soft to soft, gray green, silt like grains, trace fine sand in top half of core, black discoloration at 13 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white to green, silt like grains, trace fine sand, Solvay chunks throughout, mothball odor, black discoloration at 34 inches.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white to green, silt like grains, trace fine sand, Solvay chunks throughout, mothball odor, black discoloration at 34 inches.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white to green, silt like grains, trace fine sand in upper portion of core, slight mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0 Jerome:

Sample Description: 0 to 36 inches is wet, soft, green, silt like grains, trace fine sand, mothball odor. Rest of core is moist medium stiff, gray, CLAY, some silt, slight sulfur odor, trace shells, (MARL).

OL-VC-10036A	8/9/2006	15:38	1118202.5	923260.4	15.2	362.6	347.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0	
Comments:																



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## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, black discoloration at 31 inches, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, greenish gray, silt like grains, trace fine sand, black discoloration at 16, 31, and 37 inches, Solvay chunks within discoloration, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, grayish green, silt like grains, some fine sand, black discoloration at 12 and 26 inches, Solvay chunks within discoloration, trace organics, slight mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, grayish white to green, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, green to grayish white, silt like grains, trace clay, trace fine sand in upper portion of core, mothball odor.

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Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0 Jerome:

Sample Description: 0 to 35 inches is wet, very soft to soft, grayish white to green, silt like grains, trace fine sand, trace clay, mothball odor. Rest of core is moist, medium stiff, gray CLAY, some silt, trace organics, trace shells, slight sulfur odor, (MARL).

OL-VC-10037	8/9/2006	13:48	1118398.6	923321.2	18.3	362.6	344.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 1.2 Jerome:

Sample Description: Wet, very soft, dark gray to black, SILT, trace fine sand, petroleum like odor, trace organics.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 1.3 Jerome:

Sample Description: 0 to 28 inches is wet, soft, dark gray to gray, SILT, some black discoloration, slight petroleum like odor. Rest of core is soft grayish green, wet, silt like grains, trace fine sand, mothball odor, (SOLW).

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.6 Jerome:

Sample Description: Wet, soft, grayish white to green, silt like grains, trace fine sand, trace organics, pink discoloration in bottom of core, mothball, odor. PID reading is suspect due to re-calibration.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, very soft, grayish green, silt like grains, trace fine sand, black discoloration at 19 and 34 inches, mothball odor.

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## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, green to dark green, silt like grains, trace fine sand, becomes hard at bottom 4 inches of core, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: CL PID: 0 Jerome:

Sample Description: 0 to 20 inches is wet, very soft, dark green, silt like grains, trace clay, mothball odor, (SOLW). Rest of core is moist, medium stiff, gray, CLAY, some silt, moderate plasticity, sulfur odor, trace shells, (MARL).

OL-VC-10038	8/8/2006	17:30	1117947.64	923415.06	1.9	363.77	361.87	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18.9	<input type="checkbox"/>	0	
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Comments:

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, some fine sand, trace shell layer 6 inches from top of core, 1-inch thick or larger Solvay chunks throughout, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.1 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, some fine sand, 1-inch thick or larger Solvay chunks throughout, trace organics, bottom 3 inches is black, fine, rounded gravel and shells, petroleum-like odor and mothball odor overall.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 1.1 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, 9 to 12 inches is hard, black, SOLW layer, 28 to 30 inches is dark red and gray Solvay material, mothball odor.

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Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.8 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.2 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, 6 inches from top of core is a small isolated pin sized NAPL globule, Solvay chunks in bottom 3 inches of core, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18.9 USCS: SOLW PID: 1 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, mothball odor, 20 inches from top of core is a black concretion about 0.3 inches in diameter at 20 inches.

OL-VC-10039	8/9/2006	07:50	1118088.4	923575.4	12	363	351	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 7.2 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, 4 inches from top of core is small pin sized NAPL globules, 28 inches from top of core are 0.5 inch long or smaller isolated NAPL stringers, mothball odor and slight chlorobenzene odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 11.3 Jerome:

Sample Description: Wet, soft, grayish white silt like grains, trace fine sand, trace organics, newspaper pieces present in core, yellowish tan banding throughout, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

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Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 7.7 Jerome:

Sample Description: 0 to 35 inches is wet, soft, grayish white to gray, silt like grains, trace fine sand, small pin sized isolated NAPL globule at 4 inches from the top of core, 35 to 36 inches is dark gray, SOLW, with 1/16 inchlong or smaller isolated NAPL stringers, mothball odor. Rest of core is moist, soft, gray, SILT, some fine sand, trace shells, (MARL).

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 5.4 Jerome:

Sample Description: 0 to 5 inches I moist, soft, gray, SILT, some fine sand, trace shells, slight petroleum like odor, 5 to 13 inches is light gray, wet, soft, silt, 13 to 25 inches is dark gray, wet, soft, SILT, trace fine sand, trace organics, black discoloration, petroleum like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 5.1 Jerome:

Sample Description: Wet, soft, grayish white to gray to pink, silt like grains, trace fine sand trace organics, more clay like toward bottom of core. Mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white silt like grains, trace fine sand, black coal like fragments at bottom 1 inches of core, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18 USCS: SOLW PID: 1.1 Jerome:

Sample Description: Wet, soft, grayish white silt like grains, trace fine sand, black coal like fragments at bottom 1 inches of core, mothball odor.

OL-VC-10040	8/9/2006	16:44	1118351.9	923587.3	12.9	362.6	349.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
Comments:																

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Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* ML      *PID:* 5.4      *Jerome:*  
*Sample Description:* 0 to 26 inches is Wet, soft, gray to dark gray, SILT, petroleum like odor, black discoloration at 17 inches. Rest of core is dark gray to gray green, soft, wet, silt like grains, trace fine sand, small pin sized isolated NAPL globules at 33 inches, mothball odor, petroleum like odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, blue green to gray green, silt like grains, trace fine sand, trace clay in the bottom 4 inches of core, small pin sized isolated NAPL globules at 11 inches and 37 inches, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, dark green to light gray green, silt like grains, trace fine sand, Solvay chunks throughout, black discoloration at 8 and 37 inches, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 13.4      *Jerome:*  
*Sample Description:* Wet, soft grayish white to gray, silt like grains, trace fine sand, black discoloration at 10 and 30 inches, mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 10.2      *Jerome:*  
*Sample Description:* Wet, soft, greenish gray to gray to black, silt like grains, little fine sand, black discoloration at 4 inches 19 inches and 27 inches, black from 35 inches to bottom of core, coal like fragments at bottom of core, petroleum like odor and mothball odor.

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Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0 Jerome:

Sample Description: 0 to 10 inches is wet, soft, black, silt like grains, trace fine sand, Solvay chunks throughout, petroleum like odor. Rest of core is wet, soft, grayish white, silt like grains, trace fine sand, trace organics, slight petroleum like odor and mothball odor.

OL-VC-10041	8/9/2006	10:01	1117900.7	923642.1	1.5	362.8	361.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	19.7	<input type="checkbox"/>	0	
Comments: First attempt was over-recovery.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 15.8 Jerome:

Sample Description: 0 to 16 inches is wet, gray, hard, .5 inch to 1.0 inch thick or larger Solvay chunks, some fine sand, mothball odor. Rest of core is wet, soft, grayish white silt like grains, trace fine sand, red discoloration at bottom of core, mothball odor.

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 15.8 Jerome:

Sample Description: 0 to 16 inches is wet, gray, hard, .5 inch to 1.0 inch thick or larger Solvay chunks, some fine sand, mothball odor. Rest of core is wet, soft, grayish white silt like grains, trace fine sand, red discoloration at bottom of core, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.9 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, 1/16 inch thick fine sand lenses throughout, light brown bands in bottom half of core, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.9 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, thin, black fine grained sand lenses throughout, mothball odor.

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## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, brown discoloration at 30 inches from top of core, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Moist, soft, grayish white, silt like grains, with trace fine sand, brown discoloration throughout, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.7 USCS: SOLW PID: 0.9 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, brown discoloration throughout, mothball odor.

OL-VC-10041A	8/9/2006	11:38	1117900	923643.9	1.4	362.7	361.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	20	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 13.6 Jerome:

Sample Description: 0 to 22 inches is wet, soft, grayish white, silt like grains, some fine sand, isolated NAPL stingers 0.5 inch long or smaller at 6 inches from top of core. Rest of core is wet, medium stiff to soft, grayish whit, silt like grains, trace fine sand, trace organics, black, fine sand at bottom of core.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 2.8 Jerome:

Sample Description: 0 to 10 inches is wet, soft, light green, silt like grains, little black fine sand, fine sub rounded gravel throughout. Rest of core is white, to grayish white, wet, medium stiff to soft, silt like grains, trace organics, mothball odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 1.3 Jerome:

Sample Description: 0 to 13 inches is wet, soft to very hard, grayish white, silt like grains, little clay, trace fine sand. Rest of core is wet, soft, silt like grains, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.1 Jerome:

Sample Description: Wet, soft to medium stiff, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, 2 inch thick fine to medium grained sand seem with trace shells at 16 inches from top of the core, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor, more clay like toward the bottom.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Moist, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor, brown discoloration at 1 inch, 14 inches, 34 inches, and 41 inches.

OL-VC-10042	8/10/2006	07:48	1118505	923697.1	23.9	362.6	338.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	6.2	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, very soft, dark gray to gray, silt like grains, trace fine sand, black discoloration throughout, 0.5 inch long or smaller isolated NAPL stringers at 34 inches from top of core, petroleum like odor and slight mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 5.2 Jerome:

Sample Description: Wet, very soft, dark gray to blue green to blueish white, silt like grains, trace fine sand, trace organics, 0.5 inch thick or smaller Solvay chunks throughout, petroleum like odor and mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 11 Jerome:

Sample Description: Wet, soft, grayish white to gray green, silt like grains, trace fine sand, black discoloration at 23 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 16.2 Jerome:

Sample Description: Wet, soft, blue green to gray green, silt like grains, trace fine sand in upper portion of core, black discoloration at 34 inches, small pin sized isolated NAPL globules at 12 and 37 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 6.1 Jerome:

Sample Description: Wet, soft, blue green to grayish white, silt like grains, trace fine sand, black discoloration at 14 inches, with a 1/4 inch thick NAPL seem at 25 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 3.2 Jerome:

Sample Description: Wet, soft, grayish green to gray, silt like grains, trace fine sand, black discoloration throughout, small pin sized isolated NAPL globule at 33 inches, mothball odor.

OL-VC-10042A	8/10/2006	08:31	1118507.2	923698.1	24	362.2	338.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	3.8	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* ML      *PID:* 0.3      *Jerome:*  
*Sample Description:* 0 to 34 inches is wet, very soft, black, SILT, little fine sand, petroleum like odor, trace organics, trace slag. Rest of core is gray green, silt like grains, trace fine sand, petroleum like odor, (SOLW).

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 4.3      *Jerome:*  
*Sample Description:* Wet, very soft, gray, silt like grains, trace fine sand, black discoloration throughout, small pin sized isolated NAPL globule at 26 inches and 17 inches, trace organics, petroleum like odor and mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 6.1      *Jerome:*  
*Sample Description:* Wet, very soft, dark gray to gray green, silt like grains, trace fine sand, small pin sized isolated NAPL globules at 6 inches, 20 inches, and 36 inches mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 2.8      *Jerome:*  
*Sample Description:* Wet, very soft, gray green silt like grains, trace fine sand, black discoloration at 11 inches, small pin sized isolated NAPL globules at 37 inches, mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 21      *Jerome:*  
*Sample Description:* Wet, soft, gray green to grayish white, silt like grains, trace fine sand, black discoloration at 13 inches and 28 inches, 1/4 inch thick NAPL seam at 28 inches, isolated pin-sized NAPL globules at 8 inches, 18 inches, and 23 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 2.1 Jerome:

Sample Description: Wet, soft, grayish white to gray green, silt like grains, trace fine sand, black discoloration at 5 inches and 38 inches, very small pin sized isolated NAPL globules at 5 inches, 15 inches, 29, and 31 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 2.1 Jerome:

Sample Description: Wet, soft, grayish white to gray green, silt like grains, trace fine sand, black discoloration at 5 inches and 38 inches, very small pin sized isolated NAPL globules at 5 inches, 15 inches, 29, and 31 inches, mothball odor.

OL-VC-10043	8/10/2006	09:57	1118496.6	923946.7	24	362.6	338.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.6	<input type="checkbox"/>	2.2	
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Comments: Slight hydrocarbon like odor @ top section 6

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 8.6 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, black sand like grains in top foot of core, black discoloration throughout, 0.5 inch long or smaller isolated NAPL stringer at 27 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.3 Jerome:

Sample Description: 0 to 13 inches is wet, soft, light green, silt like grains, trace fine sand, 13 to 17 inches is black, silt like grains, 0.5 inch thick or smaller Solvay chunks throughout, slight petroleum like odor. Rest of core is gray green to grayish white, silt like grains, trace fine sand, fine black sand throughout, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 6 Jerome:

Sample Description: 0 to 31 inches is gray to dark gray, silt like grains, trace fine sand, small isolated pin sized NAPL globules at 13 inches and 22 inches. Rest of core is green, silt like grains, trace fine sand, mothball odor, and slight petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 1.1    *Jerome:*  
*Sample Description:* Wet, very soft to soft, gray green, silt like grains, trace sand, black discoloration at 21 inches, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 1.1    *Jerome:*  
*Sample Description:* Wet, very soft to soft, gray green, silt like grains, trace sand, black discoloration at 21 inches, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 4.3    *Jerome:*  
*Sample Description:* 0 to 22 inches is wet, very soft, gray green, silt like grains, trace sand, isolated pin-sized NAPL globule at 3 inches, 0.5 inch long NAPL stringer at 8 inches and 9 inches, black discoloration at 17 inches. Rest of core is light green to dark gray, mothball odor overall.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.6    *USCS:* SOLW    *PID:* 16.8    *Jerome:*  
*Sample Description:* 0 to 14 inches green to gray, silt like grains, trace fine sand, small pin-sized isolated NAPL globules at 12 and 14 inches, 14 to 18 inches is black, silt like grains, little fine sand, 0.5 inch thick or smaller Solvay chunks, petroleum like odor. Rest of core is gray green, silt like grains, little to trace fine sand, Moth ball odor and slight petroleum like odor.

OL-VC-10044	8/10/2006	11:30	1118365.5	923964.8	12.8	362.6	349.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	19	<input type="checkbox"/>	0.5	
<i>Comments:</i> Yellow/orange spot in sections 2, 3, and 5; 1st attempt 16 foot recovery.																

*Upper depth (ft):* 0    *Lower depth (ft):* 3.3    *USCS:* SOLW    *PID:* 1.3    *Jerome:*  
*Sample Description:* Wet, soft, grayish white to gray, silt like grains, trace fine sand, small pin sized isolated NAPL globules at 17, 20, 29, 32, and 36 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 33.8 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, small isolated pin size NAPL globules at 1 inch, 11 inches, 21 inches, and 25 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 4.2 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, trace clay, black discoloration at 11 inches and 17 inches, small pin sized isolated NAPL globules at 7 inches, 15 inches, 18 inches, 26 inches, and 33 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 7.2 Jerome:

Sample Description: 0 to 19 inches is wet, soft, blue green and gray banded, silt like grains, little fine sand, 0.5 inch long or smaller NAPL stringers throughout, 19 to 26 inches is green, silt like grains, trace fine sand, small isolated 0.5 inch long NAPL stringers. Rest of core is dark gray, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, 1 small pin sized NAPL globules at 38 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2.9 Jerome:

Sample Description: Wet, soft, grayish white to gray green, silt like grains, little fine sand, dark gray discoloration at 7 inches, light brown discoloration at 16 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19 USCS: SOLW PID: 4.9 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, black discoloration at 8 inches and 24 inches, 0.5 inch long or smaller isolated NAPL strings at 10 inches and 14 inches, small pin sized NAPL globules at 27 inches, mothball odor.

OL-VC-10046	8/10/2006	14:50	1118047.3	924008.6	2.6	362.2	359.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	19.2	<input type="checkbox"/>	3.3	
Comments: First attempt took 40 minutes to advance, second attempt took 20 minutes to advance, first attempt was 16.2 feet of recovery.																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SOLW      *PID:* 6.2      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains and fine sand, fine black sand grains throughout, many 1-inch thick or larger hard Solvay chunks through cut, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 29.9      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, some fine sand, black discoloration laminated throughout, small isolated 0.5 inch long or smaller NAPL stringers at 15 inches, 21 inches, 24 inches, 27 inches, and 29 inches, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 6.7      *Jerome:*  
*Sample Description:* Wet, soft, gray green to grayish white, silt like grains, little to trace fine sand, 1-inch thick or larger Solvay chunks in top foot of core, black discoloration at 34 inches, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 2.8      *Jerome:*  
*Sample Description:* 0 to 23 inches is wet, soft, light green, silt like grains, trace fine sand, 0.5 inch or larger Solvay chunks in top of core, black discoloration at 23 inches. Rest of core is wet, soft, dark gray, silt like grains, Solvay chunks throughout, petroleum like odor, brown discoloration at 39 inches.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 15.8      *Jerome:*  
*Sample Description:* Wet, soft grayish white silt like grains, some clay, trace fine sand in top foot of core, brown discoloration at 12 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.2 USCS: SOLW PID: 31.8 Jerome:

Sample Description: Wet, medium stiff, grayish white, silt like grains, some clay, trace fine sand, black discoloration at 27 inches, bottom 4 inches has dark gray discoloration, moth ball odor.

OL-VC-10046A	8/10/2006	16:40	1118045	924010.7	2.5	362.5	360	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	18.1	<input type="checkbox"/>	0	
Comments: First and second attempt took 30 minutes to advance, second attempt was made due to low recovery.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 3.8 Jerome:

Sample Description: 0 to 25 inches is wet, loose, gray green, fine grain sand, and Solvay waste, trace fine sub rounded gravel, trace organics. Rest of core is wet, hard, laminated grayish white silt like grains, some black fine sand, moth ball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 51.2 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, hard 0.5 inch thick to 1.0 inch thick Solvay chunks throughout, small lenses of NAPL 1/16 of an inch thick, at 4 inches, 7 inches, 20 inches, 28 inches, NAPL lenses include wood like organics, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 4.2 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand in top foot of core, black discoloration at 17 inches, trace fine black sand from 17 to 20 inches, Mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 10.2 Jerome:

Sample Description: 0 to 13 inches wet, soft, green to gray, silt like grains, little clay, trace fine sand, black discoloration at 3 inches, 13 to 16 inches is black silt like grains, some wood fragments, petroleum like odor. Rest of core is gray green to tan, silt like grains, some clay, trace fine sand, black discoloration at 32 inches, mothball odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 11.2 Jerome:

Sample Description: Wet, soft, grayish white to tan silt like grains, some clay, trace fine sand, trace organics, dark tan discoloration at 37 inches mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18.1 USCS: SOLW PID: 5.1 Jerome:

Sample Description: Wet, soft, grayish white to gray, silt like grains, some clay, black discoloration at 5 inches and 15 inches, trace organics, mothball odor.

OL-VC-10047	8/11/2006	15:15	1118465.2	924146.4	22.8	362.5	339.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0.3	
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Comments: Hydrocarbon type odor in top section.

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 6.1 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, medium grain sand lens at 11 inches, trace organics, slight sulfur and mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 9 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, trace clay in bottom 3 inches of core, black discoloration at 22 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 10.9 Jerome:

Sample Description: 0 to 13 inches is wet, very soft, gray white, silt like grains, some black fine sand, 13 to 15 inches is black discoloration, heavy petroleum like odor, trace organics. Rest of core is wet, very soft, slight green, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 18.2 Jerome:

Sample Description: Wet, soft, gray green, with black discoloration throughout, silt like grains, trace clay, trace organic fibers, brown wood like organics at 22 inches, 27 inches, and 37 inches, with small isolated pin sized NAPL globules, 0.5 inch thick or smaller Solvay chunks, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 22.7 Jerome:

Sample Description: Wet, soft, gray green to gray, silt like grains, trace fine sand, trace clay, black discoloration at 21 inches, small isolated pin sized NAPL globules at 4 to 18 inches and at 11 inches, 0.5 inch thick or smaller Solvay chunks throughout, petroleum like odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 7.3 Jerome:

Sample Description: Wet, soft, blue green to dark gray, silt like grains, trace clay, black discoloration from 36 inches to 40 inches, trace organics, slight mothball odor, petroleum like odor.

OL-VC-10048	8/11/2006	08:20	1118168.8	924158.4	2.7	362.7	360	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.7	<input type="checkbox"/>	1.7	
Comments: Hard at top 1 inch																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 6.1 Jerome:

Sample Description: Wet, soft, grayish white to gray, silt like grains, some fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor, one small, pin-sized isolated NAPL globule at 38 inches.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 4.1 Jerome:

Sample Description: Wet, soft, gray to grayish, silt like grains, trace fine sand, hard 1-inch thick or larger Solvay chunks throughout, small pin size isolated NAPL globule at 6 inches, 11 inches, 23 inches, and 26 inches, large NAPL globule about 1/4 inch in diameter at 34 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 6.2 Jerome:

Sample Description: Wet, soft, gray silt like grains, trace fine sand, trace clay, thin Solvay chunks throughout, black discoloration at 30 inches, brown discoloration at 10 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 6 Jerome:

Sample Description: Wet, soft, gray to blue green, silt like grains, trace fine sand, trace clay, black discoloration at 10 inches, 17 inches, and 29 inches, small, isolated NAPL stringers at 6 inches, 7 inches, and 19 inches, small isolated pin size NAPL globule at 8 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 6 Jerome:

Sample Description: Wet, soft, gray to blue green, silt like grains, trace fine sand, trace clay, black discoloration at 10 inches, 17 inches, and 29 inches, small, isolated NAPL stringers at 6 inches, 7 inches, and 19 inches, small isolated pin size NAPL globule at 8 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 6 Jerome:

Sample Description: Wet soft, blue green to green to dark gray, silt like grains, trace fine sand, black discoloration at 8 inches, 10 inches, 23 inches, and 30 inches, very small pin size isolated NAPL globules at 13 inches, 15 inches, 19 inches, 24 inches, 38 inches, 0.5 inch thick or smaller Solvay chunks, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.7 USCS: SOLW PID: 7.5 Jerome:

Sample Description: Wet, soft, gray green to grayish white, silt like grains, trace fine sand, hard Solvay chunks in bottom half of core, black discoloration at 7 inches and 35 inches, isolated 0.5 inch long or smaller NAPL stringers at 14 inches, 26 inches, and from 34 inches to 37 inches, Fine black sand in bottom foot of core, mothball odor.

OL-VC-10048A	8/11/2006	09:00	1118168.3	924160.5	2.7	362.7	360	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	17.9	<input type="checkbox"/>	6.2	
Comments: Hard at top 1 inch																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SOLW      *PID:* 7.5      *Jerome:*  
*Sample Description:* Wet, medium stiff to soft, grayish white to green, silt like grains, some fine sand, shells at top 3 inches of core, black discoloration at 13 inches, 18 inches, 24 inches, 32 inches, 1/16 inch thick lenses of fine black sand throughout, small isolated pin sized NAPL globule at 38 inches, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 7.5      *Jerome:*  
*Sample Description:* Wet, soft, gray green, silt like grains, trace fine sand, 0.5 inch long isolated NAPL stringer at 6 inches, 14 inches, 21 inches, 26 inches, 33 inches, small pin sized isolated NAPL globules at 19 inches, 37 inches, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 6.9      *Jerome:*  
*Sample Description:* Wet, soft, gray to blue green to gray, silt like grains, little fine sand, trace organics, small pin size isolated NAPL globule at 3 inches, 25 inches, and 37 inches, 0.5 inch thick or smaller Solvay chunks in bottom of core, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 2.9      *Jerome:*  
*Sample Description:* Wet, soft, gray green to blue green, silt like grains, trace fine sand, black discoloration at 6 inches, 12 inches, 16 inches, 35 inches and 38 inches, trace organics, small isolated pin sized NAPL globule at 5 inches and 8 inches mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 6.2      *Jerome:*  
*Sample Description:* Wet, soft, gray green, silt like grains, trace fine sand, black discoloration at 7 inches, 19 inches to 25 inches, and 32 inches, small pin-sized isolated NAPL globules at 37 inches mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 17.9 USCS: SOLW PID: 6.2 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, black fine sand throughout, small pin sized isolated NAPL globules at 6 inches, 8 inches, 12 inches, 14 inches, and 18 inches, 1-inch thick or larger Solvay chunks at 10 inches, mothball odor.

OL-VC-10049	8/16/2006	11:30	1117989.7	924167.4	1.8	362.5	360.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.6	<input type="checkbox"/>	0.5	
Comments: Hard at top 2 feet, 25 minutes to advance.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, loose, dark gray to grayish white, silt like grains and gravel, 0.5 inch thick or smaller Solvay chunks, top 2 inches is fine sand and shells, brown discoloration at 30 inches, slight petroleum like odor in top 23 inches of core. Rest of core has mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to medium stiff, grayish white, silt like grains, some black fine sand, trace organics, light brown discoloration at bottom of core, 0.5 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 34.2 Jerome:

Sample Description: Top 22 inches wet, soft, grayish white, silt like grains, some black fine sand, small tan discolorations that are 1/16 of an inch thick at 6 inches, 8 inches, 13 inches, and 15 inches, mothball odor. Rest of core is wet, loose, black, poorly sorted GRAVEL and black fine SAND, trace brick fragments, petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 33.1 Jerome:

Sample Description: Wet, soft, dark gray to gray with black discoloration throughout, silt like grains, some clay, brown organics at 14 inches and 35 inches, more clay like at bottom of core, low plasticity, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 0    *Jerome:*  
*Sample Description:* Wet, soft, gray silt like grains, some clay, trace fine sand, dark gray discoloration at 22 and 37, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.6    *USCS:* SOLW    *PID:* 0    *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace clay, brown organics at 32 inches, mothball odor.

OL-VC-10049A	8/16/2006	12:15	1117991	924167.8	1.8	362.5	360.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments: Hard at 15. to 3.5, 25 minutes to advance																

*Upper depth (ft):* 0    *Lower depth (ft):* 3.3    *USCS:* SOLW    *PID:* 2    *Jerome:*  
*Sample Description:* Top 4 inches is wet, loose, gray fine sand. Wet, hard, gray, Solvay chunks about an inch in width and length, some gray silt, some fine sand, mothball odor.

*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* SOLW    *PID:* 13.4    *Jerome:*  
*Sample Description:* Wet, hard to medium stiff, grayish white, silt like grains, some black fine sand, dark gray discoloration at 11.5 inches, small 1/8 inch thick black sand lens at 27.5 inches, tan discoloration at 34 inches and 38 inches, mothball odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 15.8    *Jerome:*  
*Sample Description:* Wet, soft to medium stiff, gray, silt like grains, some black fine sand, tan discoloration at 8 inches, 14 inches, 16 inches, and 20 inches, bottom 5 inches is black, poorly sorted GRAVEL and fine SAND, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 15.8 Jerome:

Sample Description: Wet, soft to medium stiff, gray, silt like grains, some black fine sand, tan discoloration at 8 inches, 14 inches, 16 inches, and 20 inches, bottom 5 inches is black, poorly sorted GRAVEL and fine SAND, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 68.2 Jerome:

Sample Description: 0 to 5 inches is wet, loose, black, poorly sorted GRAVEL and fine SAND, trace silt, trace organics, petroleum like odor. Rest of core is wet, soft, gray to dark gray, silt like grains, some clay, trace organics, petroleum like odor to slight mothball like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 14.4 Jerome:

Sample Description: 0 to 11 inches is moist, hard, tan, silt like grains, trace fine sand, some organics. Rest of core is wet, very soft, silt like grains, trace clay, trace organics, brown discoloration from 26 inches to 28 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 9.1 Jerome:

Sample Description: Wet, soft, grayish white to tan, silt like grains, trace fine sand, brown organics at 17 inches and 33 inches, mothball odor.

OL-VC-10050	8/24/2006	09:30	1117816.4	925985.1	15.8	362.4	346.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.4	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 4 Jerome:

Sample Description: Wet, soft, dark gray to black, SILT, trace clay, trace fine sand, petroleum like odor, hydrocarbon like odor, trace organics.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 13.8 Jerome:

Sample Description: Wet, soft, gray green to grayish white, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 21.1 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, one 0.5 inch long NAPL stringer at 11 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 9.5 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, light brown organics at 8 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2.5 Jerome:

Sample Description: wet, soft, green, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.4 USCS: SOLW PID: 4.3 Jerome:

Sample Description: Wet, soft, green, silt like grains, trace fine sand, black discoloration at 16 inches, 25 inches, mothball odor.

OL-VC-10051	8/24/2006	10:15	1117854.7	926006.9	16.2	362.4	346.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments:																



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* ML      *PID:* 8.6      *Jerome:*  
*Sample Description:* Wet, soft, black to dark gray, SILT, trace clay, some fine sand, small pin sized NAPL globules from 26 to 36 inches, strong petroleum like odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* ML      *PID:* 5.7      *Jerome:*  
*Sample Description:* Wet, soft, black to gray, SILT, trace clay, trace fine sand, strong hydrocarbon like odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 11.7      *Jerome:*  
*Sample Description:* Wet, soft, gray, silt like grains, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 10.2      *Jerome:*  
*Sample Description:* Wet, soft, gray, silt like grains, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 10.2      *Jerome:*  
*Sample Description:* Wet, soft, gray, silt like grains, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 9.4 Jerome:

Sample Description: wet, soft, gray green, silt like grains, trace fine sand, trace organics, dark gray discoloration from 35 to 27 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 6.5 Jerome:

Sample Description: Wet, soft, green to bright green, silt like grains, trace fine sand, black discoloration at 8 and 31 inches, mothball odor.

OL-VC-10052	8/24/2006	10:40	1117852.6	925963.8	15.8	362.4	346.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.6	<input type="checkbox"/>	0	
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Comments:

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 9.6 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, trace fine sand, trace organics, hydrocarbon like odor, small isolated pin sized NAPL globule at 15 and 31 inches.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 22.3 Jerome:

Sample Description: 0 to 20 inches is wet, soft, black to dark gray, SILT, trace clay, trace fine sand, hydrocarbon like odor, and slight petroleum like odor. Rest of core is wet, soft, gray green, silt like grains, slight hydrocarbon odor and mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 16.9 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, some to trace fine sand, slight hydrocarbon odor and mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.2 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 12.5 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, trace organics, dark gray discoloration at 10.5 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 7.7 Jerome:

Sample Description: wet, soft, green, silt like grains, trace fine sand, trace organics, black discoloration at 11 inches, mothball odor.

OL-VC-10053	8/16/2006	08:20	1117722	924313	1.5	362.5	361	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.2	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: Top 3 inches is wet, loose, poorly sorted GRAVEL and 0.5 inch thick or smaller Solvay chunks. Rest of core is wet, soft, gray, silt like grains, black fine sand, 1 inch thick Solvay chunks throughout, dark gray, hard clay like grains from 30 inches to 35 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, medium stiff to soft, tan to dark gray, silt like grains, trace fine sand, trace clay, brown organics at 23 inches and 6 inches, with small Solvay chunks in bottom inch of core, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.2 Jerome:

Sample Description: 0 to 16 inches is moist, hard, dark gray to gray, silt like grains, some clay, slight petroleum like odor. Rest of core is wet, soft to medium stiff, grayish white, silt like grains, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, top 3 inches is bright green. Rest of core is grayish white with pink discoloration throughout, silt like grains, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white with pink discoloration in the top 4 inches and 9 inches to 11 inches, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.

OL-VC-10053A	8/16/2006	09:15	1117723.8	924313.3	1.5	362.5	361	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	19.8	<input type="checkbox"/>	0.9	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 6.8 Jerome:

Sample Description: Wet, medium stiff, gray to dark gray, silt like grains, some black fine sand, trace organics, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* SOLW    *PID:* 60.2    *Jerome:*

*Sample Description:* Wet, soft, tan to gray, silt like grains, trace fine sand, trace clay, mothball odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 10.2    *Jerome:*

*Sample Description:* Wet, soft, grayish white to dark gray, silt like grains, trace organics, small Solvay chunks throughout, petroleum like odor in dark gray areas, mothball odor overall.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 4.2    *Jerome:*

*Sample Description:* 0 to 7 inches is moist, hard, grayish white, silt like grains, some clay, moderate plasticity. Rest of core is grayish white with pink discoloration, dark gray discoloration 18 inches to 25 inches, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 4.2    *Jerome:*

*Sample Description:* 0 to 7 inches is moist, hard, grayish white, silt like grains, some clay, moderate plasticity. Rest of core is grayish white with pink discoloration, dark gray discoloration 18 inches to 25 inches, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 0    *Jerome:*

*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, gray pink discoloration throughout, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.

OL-VC-10054	8/11/2006	13:25	1117823.8	924273.2	1.4	362.6	361.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18.8	<input type="checkbox"/>	1.1	0
Comments: Top 2 inches is hard.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 1.1 Jerome:

Sample Description: Wet, loose, gray to dark gray, fine SAND and SOLW, trace organic in top of core, fine to medium grain sand from 35 inches to 38 inches, mothball odor and slight petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.6 Jerome:

Sample Description: Wet, soft, dark gray to gray silt like grains, black well sorted fine sand lenses throughout, trace of organics, petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 15 Jerome:

Sample Description: 0 to 23 inches is wet, soft, gray SILT with black discoloration, organics throughout, heavy petroleum like odor, black fine sand lens at 15 inches. Rest of core is tan, wet, soft, silt like grains, some clay, trace fine sand, brown organics at 28 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 15 Jerome:

Sample Description: 0 to 23 inches is wet, soft, gray SILT with black discoloration, organics throughout, heavy petroleum like odor, black fine sand lens at 15 inches. Rest of core is tan, wet, soft, silt like grains, some clay, trace fine sand, brown organics at 28 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 4.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand in top half core, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.8 Jerome:

Sample Description: 0 to 15 inches is wet, soft, grayish white, silt like grains, little clay, mothball odor. 15 inches to 32 inches is gray green to dark gray, silt like grains, trace fine sand, trace clay, 0.5 inch thick or smaller Solvay chunks throughout. Rest of core is wet medium stiff, gray, silt like grains, some clay, slight petroleum like odor.

Upper depth (ft): 16.5 Lower depth (ft): 18.8 USCS: SOLW PID: 1.1 Jerome:

Sample Description: 0 to 15 is wet, soft, gray, silt like grains, trace fine sand, trace clay, slight petroleum like odor. Rest of core is dark gray, silt like grains, black discoloration at 5 inches, trace organics, 0.5 inch thick or smaller Solvay chunks throughout bottom of core, slight petroleum like odor.

OL-VC-10055	8/11/2006	12:00	1118435.4	924347.9	21.2	362.6	341.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18.9	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 4.9 Jerome:

Sample Description: Wet, very soft to soft, gray green, silt like grains, trace fine sand, black discoloration at 19 inches, 29 inches, and 35 inches, trace organics, light gray, fine sand seem at 34 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 2.2 Jerome:

Sample Description: Wet, soft, green to blue green, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.6 Jerome:

Sample Description: Wet, soft, gray green, silt like grains and GRAVEL and fine SAND, trace organics, dark gray discoloration, at 17 inches, 29 inches, and 33 inches, less than 0.5 inch long NAPL stringers at 10 and 12 inches, small pin sized isolated NAPL globules at 21 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, very soft to soft, gray green, silt like grains, gravel fine sand in bottom half of core, black discoloration from 36 inches to 37.5 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor, and slight petroleum like odor in bottom of core.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.1 Jerome:

Sample Description: Wet, soft light green to gray, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18.9 USCS: SOLW PID: 0.7 Jerome:

Sample Description: 0 to 8 inches is wet, soft, light gray, silt like grains, mothball odor. Rest of core is gray green and blue green, silt like grains, trace clay, mothball odor.

OL-VC-10056	8/11/2006	10:35	1118096.5	924315.8	3	362.6	359.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	19.2	<input type="checkbox"/>	4.4	
Comments: 1st attempt 12.5 inch recovery																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 4.2 Jerome:

Sample Description: Wet, soft, grayish white to gray, silt like grains, trace fine sand, black discoloration at top of core and at 14 inches and at bottom of core, isolated less than 0.5 inch long NAPL stringer at 11 inches.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* SOLW    *PID:* 3.2    *Jerome:*  
*Sample Description:* Wet, soft, grayish white to dark gray, silt like grains, little fine sand, tan discoloration at 4 inches, black discoloration from 22 inches to 29 inches, less than 0.5 inch long NAPL stringers throughout core, slight petroleum like odor, and mothball odor, isolated pin sized NAPL globules at 34 inches and 37 inches.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 3.4    *Jerome:*  
*Sample Description:* Wet, soft, gray to dark gray, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, small isolated NAPL globules at 11 inches, 17 inches, 22 inches, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 0.8    *Jerome:*  
*Sample Description:* Wet, soft, gray to blue green, silt like grains, trace fine sand in upper half of core, trace organics, black discoloration at 7 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 4.4    *Jerome:*  
*Sample Description:* Wet, soft, gray green, silt like grains, trace fine sand, small pin size isolated NAPL globules at 26 inches to 29 inches, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.2    *USCS:* SOLW    *PID:* 4.9    *Jerome:*  
*Sample Description:* Wet, soft, grayish white blue green, silt like grains, trace clay, brown discoloration from 7 to 11 inches, small pin sized isolated NAPL globules at 30 inches, slight petroleum like odor in bottom half of core.

OL-VC-10057	8/11/2006	16:25	1118236.3	924432.4	8.6	362.5	353.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.5	<input type="checkbox"/>	0	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 10.7 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, little fine sand, black discoloration at 22 inches, 1-inch thick or larger hard Solvay chunks at bottom 9 inches of core, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 36.4 Jerome:

Sample Description: Wet, hard, silt like grains, some fine grained black sand throughout, small tan colored sand lenses 1/16 of an inch throughout, strong mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 5.6 Jerome:

Sample Description: Wet, medium stiff to soft, silt like grains, some fine grain black sand throughout, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 3.9 Jerome:

Sample Description: Wet, soft blueish green, silt like grains, fine sand, black discoloration at 29 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 5.9 Jerome:

Sample Description: Wet, soft, blue green to gray green, silt like grains, some black fine grained sand throughout, black discoloration at 29 and 33 inches, 0.5 inch thick or smaller Solvay chunks within discoloration, small 1/16 of an inch sand lens at 18 inches, trace organics in bottom of core, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.5 USCS: SOLW PID: 3.8 Jerome:

Sample Description: Wet, soft, light green, silt like grains, some black fine sand throughout, black discoloration at 4 inches and 32 inches, brown wood like organics at 18 and 30 inches, mothball odor.

OL-VC-10057A	8/11/2006	17:00	1118237.8	924433.9	8.6	362.5	353.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.7	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 100 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, little black fine sand throughout, tan discoloration at 31 inches, 1-inch thick or larger, hard Solvay chunks throughout, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 65 Jerome:

Sample Description: Wet, medium stiff to soft, silt like grain, black fine sand throughout, tan discoloration at 10 inches, 17 inches, and 23 inches, black, fine to medium sand lens 1/4 of an inch thick at 38 inches, tan discoloration at 37 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 5 Jerome:

Sample Description: Wet, medium stiff to soft, silt like grains, trace fine sand in top half of core, dark gray discoloration at 37 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 9.9 Jerome:

Sample Description: Wet, soft, blue green to gray green, silt like grains, trace fine sand, trace organics, black discoloration at 1.5 inches from top of core, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 9.9 Jerome:

Sample Description: Wet, soft, blue green to gray green, silt like grains, trace fine sand, trace organics, black discoloration at 1.5 inches from top of core, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 6.5 Jerome:

Sample Description: Wet, very soft, gray green to grayish white, silt like grains, black discoloration at 10, 12, and 37 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.7 USCS: SOLW PID: 6 Jerome:

Sample Description: Wet, soft, gray green to light green, silt like grains, trace clay at bottom half of core, fine to medium grained black sand lens 1/8 of an inch thick at 14 and 16 inches, brown discoloration at 14 inches.

OL-VC-10058	8/12/2006	09:10	1117838	924442.8	4.2	362.5	358.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0.6	0
Comments: Hydrocarbon like odor along with a mild mothball odor																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 1.8 Jerome:

Sample Description: Wet, soft, dark gray to gray, silt like grains, black, fine SAND, trace organics, brown discoloration at 27 and 35 inches, mothball odor and slight petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some fine sand, trace clay, black to blue green discoloration from 24-28 inches, trace organics, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, medium stiff to soft, silt like grains, trace fine sand, brown organics at 20 inches, and 34 inches, black discoloration at 29 inches with small isolated pin sized NAPL globules, mothball odor, petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 3.9 Jerome:

Sample Description: Wet, soft, gray to light green to dark gray, silt like grains, some clay, black discoloration at 11 inches, 15 inches, and 19 inches, slight petroleum like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 3.4 Jerome:

Sample Description: Wet, soft, gray to black, SILT, some clay, trace fine sand, trace organics in bottom of core, strong petroleum like odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 1.9 Jerome:

Sample Description: 0 to 10 inches is wet, medium stiff, black, SILT, some clay, petroleum like odor, (ML). Rest of core is gray, silt like grains, some clay, trace organics, mothball odor.

OL-VC-10058A	8/12/2006	10:10	1117839.5	924444.6	4.2	362.5	358.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	17.4	<input type="checkbox"/>	0.6	0
Comments: hydrocarbonlike odor, mild mothball odor																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.5 Jerome:

Sample Description: 0 to 25 inches wet, very soft, black to dark gray SILT, trace fine sand, trace organics, 1-inch thick or larger Solvay chunks, coal like fragments, organic odor. Rest of core is gray, silt like grains and black fine sand, 1-inch thick or larger Solvay chunks, slight petroleum like odor and mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.9 Jerome:

Sample Description: Wet, hard to soft, gray, silt like grains, little clay, black discoloration at 17 inches, small isolated NAPL globules from 2 inches to 3.5 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, gray silt like grains, trace clay, trace fine sand, small pin size NAPL globules from 2 inches to 6 inches, 19 inches and 15 inches, trace organics, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 0.8 Jerome:

Sample Description: 0 to 13 inches light green to light gray, silt like grains, trace fine sand, mothball odor, (SOLW). Rest of core dark gray to black, SILT, some clay, trace fine sand, low plasticity, petroleum like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2.5 Jerome:

Sample Description: 0 to 21 inches wet, soft, black, SILT, trace fine sand, trace brown organics, petroleum like odor. Rest of core wet, soft, silt like grains, some clay, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 17.4 USCS: SOLW PID: 0.1 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some clay, trace organics, mothball odor.

OL-VC-10059	8/15/2006	15:10	1117726.6	924590.4	2.7	362.5	359.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	19.3	19.3	<input type="checkbox"/>	0.5	
Comments: Hard from 5.5 to 7.5 feet, about 30 minutes to advance vibracore, penetration to 17 feet																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, gray, silt like grains, black fine sand throughout, 1-inch thick or larger Solvay chunks throughout, trace brown organics, black discoloration at 22 inches and 35 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 26.5 Jerome:

Sample Description: Wet, soft to very hard, grayish white, silt like grains, trace to little fine black sand, trace medium black sand, 1-inch thick or larger Solvay chunks throughout, trace organics, small isolated pin size NAPL globules at 21 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 50.9 Jerome:

Sample Description: Wet, soft, gray to grayish white, silt like grains, trace organics, small isolated pin size NAPL globules in top 5 inches of core, little fine black sand throughout, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 10.9 Jerome:

Sample Description: Wet, soft, grayish white to gray, silt like grains, little black fine sand, black discoloration from 14 inches to 18 inches, black medium to fine grained sand lens within discoloration, trace organics, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 4.6 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, blue discoloration at 2.5 inches from top of core, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.3 USCS: SOLW PID: 9.4 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, trace clay, mothball odor.

OL-VC-10060	8/15/2006	14:00	1117861.4	924676.3	2.5	362.4	359.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18	<input type="checkbox"/>	1.3	
Comments: Hard top 1 foot (top section 6)																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 2.4 Jerome:

Sample Description: 0 to 13 inches, wet, loose, dark gray SILT and black fine SAND, trace organics, organic odor (ML). Rest of core is wet, medium stiff to soft, grayish white, silt like grains, some black fine sand, hard Solvay chunks about 4 inches in length throughout, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, medium stiff, gray silt like grains, little black fine sand, black discoloration at 5 inches, small Solvay chunks in top half of core, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, dark gray to grayish white silt like grains, trace fine sand, trace organics, 0.5 inch thick or smaller Solvay chunks from 13 inches to 18 inches, 1/8 inch thick black fine grained vertical sand lens at 27 inches that runs parallel with top/bottom orientation of core, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 6.8 Jerome:

Sample Description: Wet, soft, gray to gray green, silt like grains, trace fine sand, dark gray discoloration from 14 inches to 21 inches, small Solvay chunks in bottom half of core, mothball odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 21.7 Jerome:

Sample Description: Wet, soft to medium stiff, gray to blue green to gray silt like grains, soft to medium stiff, small isolated pin size NAPL globules in top 3 inches, trace brown organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18 USCS: SOLW PID: 56.3 Jerome:

Sample Description: Wet, soft, tan to gray, silt like grains, trace fine sand, small isolated pin size NAPL globules at 5 inches, tan discoloration at 18 inches, mothball odor.

OL-VC-10061	8/14/2006	16:50	1118238.8	924717.3	11.7	362.4	350.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.7	<input type="checkbox"/>	2.5	
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Comments:

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.4 Jerome:

Sample Description: Wet, soft, green to gray green, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.5 Jerome:

Sample Description: Wet soft, light green, silt like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.1 Jerome:

Sample Description: Wet, soft, light green, silt like grains, trace fine sand, trace clay, brown organics, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.6 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, little clay, trace organics, trace black fine grain sand in top 4 inches of core, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.5 Jerome:

Sample Description: Wet, soft, light green, silt like grains, some black fine sand throughout, trace clay, trace organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.7 USCS: SOLW PID: 1 Jerome:

Sample Description: Wet, soft, light green to gray green laminated, silt like grains, trace fine sand, trace organics, mothball odor.

OL-VC-10062	8/14/2006	10:45	1117993.7	924727.1	4.4	362.4	358	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.2	<input type="checkbox"/>	0.9	
Comments: Hard at 9 foot at top (section 6)																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.6 Jerome:

Sample Description: Top 2 inches is black, fine to medium SAND and shells. Rest of core is wet, soft, light green, silt like grains, some fine sand, gray fine grain sand lenses 1/16 of an inch thick at 27 inches, 33 inches and at bottom 2 inches of core, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.2 Jerome:

Sample Description: Wet, soft, light gray, silt like grains, some black fine grain sand throughout, trace organics, brown discoloration at 35 inches and 20 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 1.5    *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, some clay, trace organics, dark gray discoloration at 5 inches and 11 inches, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 1.2    *Jerome:*  
*Sample Description:* Wet, soft, light green, silt like grains, trace fine sand, trace clay, dark gray discoloration at 6 inches and bottom inch of core, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 2.5    *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, some black fine sand, tan discoloration at 25 inches, trace organics, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.2    *USCS:* SOLW    *PID:* 5.4    *Jerome:*  
*Sample Description:* Wet, soft, gray, silt like grains, trace fine sand, trace clay, green discoloration in top 2 inches of core, mothball odor.

OL-VC-10062A	8/11/2006	11:40	1117996.1	924727.2	4.4	362.5	358.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	19	<input type="checkbox"/>	0	
Comments: Hard at 10 feet																

*Upper depth (ft):* 0    *Lower depth (ft):* 3.3    *USCS:* SOLW    *PID:* 2.9    *Jerome:*  
*Sample Description:* 0 to 3 inches is black SAND and shells, some organics. Rest of core light green to gray, silt like grains, some black fine sand, 1/8th inch thick black sand lens with shells at 9 inches, tan discoloration at 30 inches, hard 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 4.2 Jerome:

Sample Description: Wet, soft, gray to gray green, silt like grains, trace fine sand, trace clay, dark gray discoloration at top 4 inches of core, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.2 Jerome:

Sample Description: Wet, soft, light green, silt like grains, trace fine sand, trace clay, dark gray discoloration at 15 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 5 Jerome:

Sample Description: 0 to 21 inches is wet, soft, light green, silt like grains, little clay, tan discoloration at 2 inches. Rest of core is wet, medium stiff, gray, silt like grains, some fine black sand, tan discoloration at 27 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 7.5 Jerome:

Sample Description: Wet, medium stiff to soft, gray, silt like grains, black fine sand, black concretion at 6 inches mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19 USCS: SOLW PID: 5.6 Jerome:

Sample Description: Wet, soft, gray silt like grains, trace fine sand to some fine sand, 1/8 of an in thick black fine to medium grain sand lens at 14 inches and 30 inches, mothball odor.

OL-VC-10063	8/21/2006	09:44	1118434.8	924795.4	24.5	362.5	338	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20.1	<input type="checkbox"/>	0	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SOLW      *PID:* 2.3      *Jerome:*  
*Sample Description:* Wet, soft, light gray, silt like grains, trace fine sand, trace organics, dark gray discoloration at 14 inches, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 1.2      *Jerome:*  
*Sample Description:* Wet, soft, light gray, silt like grains, trace fine sand, trace organics, dark gray discoloration at 14 inches, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 2.2      *Jerome:*  
*Sample Description:* Wet, soft, light gray to gray green, silt like grains, trace fine sand, black fine sand and 0.5 inch thick or smaller Solvay chunks from 31 to 35 inches, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 4.1      *Jerome:*  
*Sample Description:* Wet, soft, light green to gray green silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, black discoloration form 15 inches to 25 inches, trace organics, mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 4.1      *Jerome:*  
*Sample Description:* Wet, soft, light green to gray green, silt like grains, trace fine sand, trace organics, gray discoloration at 30 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 2.1 Jerome:

Sample Description: Wet, soft, gray to gray green, silt like grains, some trace, fine, black, sand, Solvay chunks throughout, trace organics, mothball odor.

OL-VC-10063A	8/21/2006	10:14	1118434.5	924793.5	24.5	362.5	338	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	17.5	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 2.6 Jerome:

Sample Description: 0 to 10 inches is wet, very soft, black, silt, little to some fine sand, sewer like odor. Rest of core is gray to light green, wet, soft, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 2.1 Jerome:

Sample Description: Wet, soft, light green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 1.6 Jerome:

Sample Description: Wet, soft, light gray, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 9.3 Jerome:

Sample Description: Wet, soft, light green, silt like grains, trace fine sand, trace organics, dark gray to black discoloration from 15 to 20 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 10.3    *Jerome:*  
*Sample Description:* Wet, soft, light green to gray, silt like grains, some black fine sand throughout, trace organics, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 17.5    *USCS:* SOLW    *PID:* 5.7    *Jerome:*  
*Sample Description:* Wet, soft, light green to gray, silt like grains, some black fine sand throughout, trace organics, mothball odor.

OL-VC-10064	8/21/2006	11:51	1117684.3	924771.7	2.8	362.6	359.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
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Comments: Hard crust layers observed in SOLW.

*Upper depth (ft):* 0    *Lower depth (ft):* 3.3    *USCS:* SOLW    *PID:* 1.6    *Jerome:*  
*Sample Description:* 0 to 8 inches is wet, hard to medium stiff, dark gray silt like grains and black fine SAND, 3 inch thick Solvay chunk at 5 inches. Rest of core is wet, soft, gray, silt like grains, trace fine sand, black 1/8 of an inch thick fine sand lens at 33 inches, mothball odor.

*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* SOLW    *PID:* 5.1    *Jerome:*  
*Sample Description:* Wet, soft to hard, gray, silt like grains, some black fine sand, blue green discoloration at 5 inches, small pin sized isolated NAPL globule at 7 inches, black 1/8 of an inch thick poorly sorted fine sand lenses at 13 inches, 27 inches, 20 inches, and 27 inches, from 29 to 32 inches is black, fine to medium grained, well sorted, sand, 1-inch thick or larger Solvay chunks from 33 inches to bottom of core, mothball odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 2.2    *Jerome:*  
*Sample Description:* 0 to 14 inches is wet, soft, grayish white, silt like grains, and black fine sand. Rest of core is gray green, silt like grains, trace organics, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 2.2    *Jerome:*  
*Sample Description:* 0 to 14 inches is wet, soft, grayish white, silt like grains, and black fine sand. Rest of core is gray green, silt like grains, trace organics, trace fine sand, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 3.1    *Jerome:*  
*Sample Description:* 0 to 34 inches is wet, soft, grayish white, silt like grains, tan discoloration throughout, 0.5 inch thick Solvay chunks toward bottom. Rest of core is dark gray to black, silt like grains, small pin sized NAPL globule at 38.5 inches, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 54.4    *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, tan discoloration throughout, 0.5 inch long or smaller NAPL stingers from 3 to 6 inches, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.8    *USCS:* SOLW    *PID:* 35.3    *Jerome:*  
*Sample Description:* Wet, soft, gray to gray green, silt like grains, some black fine sand, small isolated pin sized NAPL globules at 10 inches, 19 inches, 34 inches, and 39 inches, light brown discoloration 1/8 of an inch thick at 21 inches, mothball odor.

OL-VC-10064A	8/21/2006	12:24	1117684.7	924774.2	2.8	362.6	359.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments:																

*Upper depth (ft):* 0    *Lower depth (ft):* 3.3    *USCS:* SOLW    *PID:* 3.1    *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, some black fine sand, black 1/16 to 1/8 of an inch thick, fine, sand lenses at 15 inches, 21 inches, 34 inches, and 37 inches, some organics, mothball odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3     *Lower depth (ft):* 6.6     *USCS:* SOLW     *PID:* 9.2     *Jerome:*  
*Sample Description:* Wet, soft, gray to dark gray, silt like grains, some black fine sand, some 1/8 of an inch thick or larger black fine sand lenses, at 6 inches, 13 inches, 17 to 19 inches, 22 to 25 inches, 21 to 34 inches, and 37 to bottom of core, small pin size NAPL globules at 17, 31.5, and 38 inches, mothball odor.

*Upper depth (ft):* 6.6     *Lower depth (ft):* 9.9     *USCS:* SOLW     *PID:* 7.1     *Jerome:*  
*Sample Description:* 0 to 16 inches is wet, soft, dark gray to grayish white, silt like grains and black fine SAND, some brown organics. Rest of core is wet, soft, dark gray, silt like grains, some clay, low plasticity, isolated pin size NAPL globules 19, 24 and 35 inches, mothball odor.

*Upper depth (ft):* 9.9     *Lower depth (ft):* 13.2     *USCS:* SOLW     *PID:* 15.4     *Jerome:*  
*Sample Description:* Wet, soft, grayish blue to gray green, silt like grains, trace fine sand, less than 05 inches long NAPL stringers at 2 to 3 inches, 17, 29, 34, 36, and 39 inches, mothball odor.

*Upper depth (ft):* 13.2     *Lower depth (ft):* 16.5     *USCS:* SOLW     *PID:* 16.5     *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, tan discoloration at 17 and 19.5 inches, small pin sized isolated NAPL globules at 3 inches.

*Upper depth (ft):* 16.5     *Lower depth (ft):* 19.8     *USCS:* SOLW     *PID:* 4     *Jerome:*  
*Sample Description:* 0 to 32 inches is wet, soft, grayish white, silt like grains, trace fine sand. Rest of core is dark gray to black, silt like grains, little to some fine sand, brown organics at 37 inches, mothball odor.

OL-VC-10065	8/21/2006	12:56	1117697.1	924792.2	2.1	362.5	360.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	20	<input type="checkbox"/>	0	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SOLW      *PID:* 1.1      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, some black fine sand, large one inch thick Solvay chunks throughout, trace organics, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 3.8      *Jerome:*  
*Sample Description:* Wet, soft, gray to gray green, silt like grains, trace fine sand, black discoloration at 12 inches, black fine sand seam from 31 to 32.5 inches, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 65.2      *Jerome:*  
*Sample Description:* Wet, soft, gray, silt like grains, some fine sand, small isolated pin sized NAPL globules at 5 inches, trace organics, black fine grain sand and fine gravel seam from 30 to 34 inches, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 3.1      *Jerome:*  
*Sample Description:* Wet, soft, dark gray, silt like grains, trace fine sand, trace clay, small pin sized isolated NAPL globules at 26 inches, mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 6      *Jerome:*  
*Sample Description:* Wet, soft, grayish blue to gray, silt like grains, trace fine sand, brown organics throughout, small isolated pin sized NAPL globule at 33 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 5.8 Jerome:

Sample Description: Wet, soft, grayish blue to blueish white, silt like grains, NAPL globules at 13, and 18 inches, tan discoloration at 33 inches, and 37 inches, 0.5 inches thick to 1.0 inch thick or larger Solvay chunks throughout, mothball odor.

OL-VC-10066	8/21/2006	13:28	1117659	924773.4	1.7	362.5	360.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20.1	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 3.9 Jerome:

Sample Description: Wet, hard to soft, gray, silt like grains, little black fine sand, trace organics, 1 inch thick Solvay chunks throughout.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 6.2 Jerome:

Sample Description: Wet, soft, gray, silt like grains, little to some fine sand, black 1/16 to 1/8 of an inch thick fine grained sand lenses at 13, 18, 33, and 38 inches, trace organics, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.5 Jerome:

Sample Description: Wet, soft, white to gray blue to dark gray, silt like grains, some black fine sand, small pin sized isolated NAPL globules at 25, 38, and 18 inches, 1-inch thick or larger Solvay chunks throughout.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 22.2 Jerome:

Sample Description: Wet, soft, dark gray to gray, silt like grains, trace fine sand, 0.5 inch thick or smaller NAPL globules at 2, 25, and 26 inches, large and 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 22.2 Jerome:

Sample Description: Wet, soft, dark gray to gray, silt like grains, trace fine sand, 0.5 inch thick or smaller NAPL globules at 2, 25, and 26 inches, large and 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 15.2 Jerome:

Sample Description: Wet, soft, gray, silt like grains, little fine sand, 0.5 inch thick or larger Solvay chunks throughout, brown discoloration at 14 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 2.9 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, tan discoloration throughout, mothball odor.

OL-VC-10067	8/21/2006	17:11	1117697.5	924750.2	1.6	362.5	360.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.1	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 1.5 Jerome:

Sample Description: Wet, soft, blue green to dark gray, silt like grains, some to little black fine, sand, 1 inch thick Solvay chunks throughout, black poorly sorted fine sand seam from 20 to 25 inches, small pin sized isolated NAPL globules at 37 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 2.5 Jerome:

Sample Description: Wet, soft, dark gray, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, less than 0.5 inches long isolated NAPL stringers at 11 and 14 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 5.3 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, some light brown organics throughout, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 5.4 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, large 2 inch thick Solvay chunk at 13 inches, small pin sized NAPL globules at 19 inches, black discoloration at 2.5 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 6.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, tan discoloration throughout, 1 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.1 USCS: SOLW PID: 11.1 Jerome:

Sample Description: Wet, soft, gray, silt like grains, brown organics throughout, black discoloration at 19 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

OL-VC-10068	8/14/2006	17:50	1117921.7	924860.7	5.5	362.4	356.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.6	<input type="checkbox"/>	0.5	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 3.5 Jerome:

Sample Description: Wet, soft, hard, gray to dark gray, silt like grains, some fine sand from 31 to 38 inches, 0.5 inch thick or larger Solvay chunks throughout, top 2 inches of core is black, silt like grains, some fine gravel, mothball odor overall.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* SOLW    *PID:* 0.9    *Jerome:*  
*Sample Description:* 0 to 27 inches wet, grayish white to gray green, 1-inch thick or larger Solvay chunks throughout, silt like grains, some sand, black sand lenses throughout. Rest of core wet, stiff, soft, grayish white, silt like grains, trace fine sand, mothball odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 0.7    *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, 1/8 of an inch thick fine grain black sand lens at 35 inches, organics at 22 inches, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 3.4    *Jerome:*  
*Sample Description:* Wet, soft, gray green to grayish white, silt like grains, trace fine sands throughout, 1-inch thick or larger Solvay chunks throughout, black fine sand lens at 11 inches, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 1.3    *Jerome:*  
*Sample Description:* Wet, soft, gray green, silt like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, trace organics at 21 inches, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.6    *USCS:* SOLW    *PID:* 0.5    *Jerome:*  
*Sample Description:* Wet, soft, gray green, silt like grains, trace fine sand, trace organics at 27 inches, mothball odor.

OL-VC-10069	8/16/2006	16:20	1117812.2	924950.9	4.8	362.5	357.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	17	19.8	<input type="checkbox"/>	0	
Comments: hard entire way, 2.5 hours to advance 17 feet.																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SM      *PID:* 0.1      *Jerome:*  
*Sample Description:* Wet, soft, dark gray, SILT, some fine sand, trace 0.5 inch thick or smaller Solvay chunks throughout, bottom 10 inches is fine to medium grained black sand, slight mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 0.1      *Jerome:*  
*Sample Description:* 0 to 11 inches is wet, dense, dark gray to black, fine to medium grained sand, very slight petroleum like odor. Rest of core is wet, soft to medium stiff, gray, silt like grains, some black, fine to medium grained, sand, 1 inch thick Solvay chunks throughout, small pin sized isolated NAPL globule in bottom of core, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 0.1      *Jerome:*  
*Sample Description:* 0 to 8 inches is wet, dense, black, fine to medium grained, SAND, trace fine sub rounded gravel. Rest of core is wet, medium stiff to hard, gray, silt like grains, some black fine sand, 1 inch thick sand chunks throughout, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 1.2      *Jerome:*  
*Sample Description:* Wet, soft to hard, gray, silt like grains, some black fine sand, trace brown organics throughout, mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 2.9      *Jerome:*  
*Sample Description:* Wet, medium stiff to hard, gray green to gray, silt like grains, some black fine sand, 24 to 28 inches is black, poorly sorted, fine gravel and fine sand, slight petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0.1 Jerome:

Sample Description: Wet, very hard, gray to black, Solvay waste and fine to medium grained sand, trace fine sub angular to sub rounded gravel, trace organics, mothball odor in top half of core, slight petroleum like odor in bottom half of core.

OL-VC-10070	8/12/2006	11:20	1117455.2	924919.9	2.2	362.5	360.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.1	<input type="checkbox"/>	6.9	0
Comments: Distinct mothball like odor																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 2.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, little fine black sand throughout, fine to medium grain sand lenses 1/8 of an inch thick at 14 inches, 23 inches and 36 inches, black discoloration at 39 inches with strong petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 12.8 Jerome:

Sample Description: Wet, soft, gray silt like grains, little fine black sand, trace clay, poorly sorted sand and gravel seam from 9 inches to 12 inches with small pin sized isolated NAPL globules, tan discoloration at 35 inches, small pin sized isolated NAPL globules at bottom of core, mothball odor and slight petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.3 Jerome:

Sample Description: 0 to 28 inches gray to grayish white, silt like grains, trace clay, black poorly sorted sand seam at 14 inches, mothball odor. Rest of core is wet, soft, light gray, SILT, little clay, low plasticity, trace organics, small isolated pin sized NAPL globules at 37 inches (ml).

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 3.9 Jerome:

Sample Description: Wet, soft, dark gray, light gray laminated, silt like grains, some clay, small isolated pin sized NAPL globule at 6 inches, less than 1.0 inch long NAPL stringers from 13 inches to 18.5 inches, black discoloration at 32 inches, small isolated pin sized NAPL globules at 37 inches, petroleum like odor and mothball odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.3 Jerome:

Sample Description: Wet, soft, gray to dark gray silt like grains, small isolated pin sized NAPL globules at 9 inches, 18 inches, 22 inches, 28 inches and 29 inches, brown organics at 21 inches, 0.5 inch thick or larger Solvay chunks at 14 to 16 inches, petroleum like odor, and slight mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.1 USCS: SOLW PID: 3 Jerome:

Sample Description: Wet, soft, gray silt like grains, some clay, trace fine sand, brown organics at 7 inches, some clay, black discoloration from 23 inches to 25 inches, low plasticity, mothball odor.

OL-VC-10070A	8/12/2006	11:50	1117457	924918.5	2.2	362.5	360.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.2	<input type="checkbox"/>	3.5	
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Comments:

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 3.6 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some black fine sand, shells and poorly sorted gravel at top of core, black discoloration at 20 inches and 22 inches, organics at 7 inches, and 31 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.6 Jerome:

Sample Description: Wet, soft, gray to dark gray, silt like grains, little clay, black discoloration at 10 inches, 16 inches, and 33 inches, small less than 0.5 inches long NAPL stringers at 37 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.2 Jerome:

Sample Description: Wet, soft, gray to dark gray, silt like grains, some clay, some black fine sand, black discoloration from 14 to 16 inches, mothball odor, small pin sized isolated NAPL globule at 36 inches.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.3 Jerome:

Sample Description: Wet, soft, dark gray to gray, silt like grains, some clay, trace fine sand, brown organics at 12 inches and 31 inches, small pin sized isolated NAPL globules at 29 inches, 10 inches, and 6 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2.5 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace clay, trace fine sand, black discoloration at 7 inches and 29 inches, brown organics at 15 inches, small pin sized isolated NAPL globule at 23 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2.5 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace clay, trace fine sand, black discoloration at 7 inches and 29 inches, brown organics at 15 inches, small pin sized isolated NAPL globule at 23 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.2 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, soft, gray to grayish white, silt like grains, some clay, trace fine sand in bottom of core, black discoloration at 18 and 23 inches, hard Solvay chunks from 19 to 20 inches, mothball odor.

OL-VC-10071	8/20/2006	13:16	1118398.9	925183.7	27	362.2	335.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20.1	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 1.2 Jerome:

Sample Description: Wet, soft, black to gray green, SILT, trace fine sand, slight petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 3.4 Jerome:

Sample Description: Wet, soft, gray green to grayish white, silt like grains, trace fine sand, black discoloration from 31 to 32 inches, an isolated NAPL stringer at 32.5 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.1 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 3.9 Jerome:

Sample Description: Wet, soft, light green to green gray, silt like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 3.9 Jerome:

Sample Description: Wet, soft, light green to green gray, silt like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 17.1 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, little fine sand black discoloration from 34 to 36 inches with 0.5 inch thick or smaller Solvay chunks within, slight petroleum like odor in this interval, mothball odor overall.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 8.3 Jerome:

Sample Description: Wet, soft, gray green to grayish white, silt like grains, little sand, 0.5 inch thick or smaller Solvay chunks in the bottom half, black discoloration at 30 inch, mothball odor.

OL-VC-10072	8/20/2006	14:35	1118217.6	925154.1	18.4	362.5	344.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20.1	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 1.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 2.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, light green to gray, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.6 Jerome:

Sample Description: Wet, soft, gray to gray green, silt like grains, trace fine sand, slight mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2.1 Jerome:

Sample Description: 0 top 29 inches is wet, soft, light green, silt like grains, trace fine sand, slight mothball odor. Rest of core is wet, soft, gray, silt like grains, little fine sand, less than 0.5 inch thick or smaller Solvay chunks throughout, black discoloration at 37 and 39 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, little fine sand, mothball odor.

OL-VC-10073	8/23/2006	10:50	1118025.1	925124.4	9.1	362.3	353.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 4.3 Jerome:

Sample Description: Wet, soft, gray, silt like grains, little to trace, fine black sand, small isolated pin sized NALP globules from 25 to 26 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, soft, gray green silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 1.6 Jerome:

Sample Description: Wet, soft, light green, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.5 Jerome:

Sample Description: Wet, soft, light green to gray, silt like grains, trace to little fine sand, dark gray discoloration at 26 inches and 29 to 32 inches, and at bottom of core, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, soft, light green, silt like grains, trace fine sand, dark gray discoloration at 23 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 2 Jerome:

Sample Description: Wet, soft, light green to gray, silt like grains, trace fine sand, brown organics at 31 inches, 0.5 inch thick Solvay chunks in bottom half of core, mothball odor.

OL-VC-10073A	8/23/2006	11:15	1118024.8	925112.8	9.1	362.3	353.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 2.2 Jerome:

Sample Description: Wet, soft, gray, silt like grains, little to some black fine sand, less than 0.5 inch long isolated NAPL stringer at 30 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, soft, light green, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 4 Jerome:

Sample Description: Wet, soft, light green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.2 Jerome:

Sample Description: Wet, soft, light green to gray green, silt like grains, trace fine sand, dark gray discoloration at 14, 19, and 26 inches, small pin sized isolated NAPL globules I bottom inch of core.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2.2 Jerome:

Sample Description: Wet, soft, light green, silt like grains, trace fine sand, dark gray discoloration at 14, 19, and 26 inches, small isolated pin sized NAPL globules I bottom inch of core.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 7.7 Jerome:

Sample Description: Wet, soft, light green to gray, silt like grains, trace fine sand, brown discoloration at 17 and 27 inches, mothball odor.

OL-VC-10074	8/21/2006	15:48	1117740.6	925138.2	5.6	362.5	356.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, soft to hard, gray, silt like grains, little fine sand, trace organics, 1.0 inch thick Solvay chunks throughout, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* SOLW    *PID:* 0.9    *Jerome:*  
*Sample Description:* 0 to 24 inches is wet, hard, gray, silt like grains, some fine sand. Rest of core is wet, soft, gray green, silt like grains, little fine sand, trace organics, mothball odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 3.4    *Jerome:*  
*Sample Description:* 0 to 20 inches is wet, soft, bright green, silt like grains, trace fine sand, dark gray discoloration at 12 inches. Rest of core, is wet, hard to soft, gray, silt like grains and black fine sand, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 2.4    *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 2    *Jerome:*  
*Sample Description:* Wet, soft to hard, grayish white, silt like grains, trace fine sand, 1.0 inch thick Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.8    *USCS:* SOLW    *PID:* 1.9    *Jerome:*  
*Sample Description:* Wet, soft, light green, silt like grains, trace fine sand, black discoloration at 4.5 inches, mothball odor.

OL-VC-10075	8/12/2006	15:25	1117274	925124.1	2.2	362.5	360.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18.9	<input type="checkbox"/>	1.2	0
Comments: mothball like odor																



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SOLW      *PID:* 3.9      *Jerome:*  
*Sample Description:* Wet, soft, gray silt like grains, little clay, trace fine sand, 1/16 of an inch thick black fine to medium grain sand lenses at 13 inches and 8 inches, 1-inch thick or larger Solvay chunks throughout, small pin size NAPL globules at 28 inches, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 0.9      *Jerome:*  
*Sample Description:* Wet, soft, gray to blue green, silt like grains trace fine sand, trace clay, dark gray discolorations at 24 inches, less than 0.5 inch thick or smaller Solvay chunks within dark gray discoloration, small pin sized isolated NAPL globules at 29 inches, mothball odor and very slight petroleum like odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* ML      *PID:* 1.8      *Jerome:*  
*Sample Description:* Wet, soft, dark gray to gray, SILT, little to trace clay, black discoloration from 7 inches to 22 inches, small pin sized NAPL globules at 23 inches, petroleum like odor, trace fine black sand bottom 4 inches.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* ML      *PID:* 2.9      *Jerome:*  
*Sample Description:* Wet, soft, dark gray SILT, some clay, low plasticity, black discoloration at 31 inches to 34 inches, small pin sized isolated NAPL globules at 19 inches, petroleum like odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 2.3      *Jerome:*  
*Sample Description:* 0 to 15 inches is wet, soft, black SILT, some black coal like fragments, petroleum like odor. Rest of core is grayish white to green, silt like grains, trace clay, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 18.9 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, soft to medium stiff, grayish pink silt like grains, black discoloration at 18 inches, mothball odor.

OL-VC-10076	8/16/2006	18:30	1117526.4	925240.3	4.7	362.5	357.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	17.5	19.9	<input type="checkbox"/>	0	
Comments: Hard top 5 feet, 1-2 hours to advance to 17.5 ft.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.9 Jerome:

Sample Description: Wet, medium stiff to medium hard, gray to dark gray, silt like grains, some black fine to medium grained sand, 1-inch thick or larger Solvay chunks throughout, mothball odor..

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 3.1 Jerome:

Sample Description: Wet, soft to medium stiff, gray green, silt like grains, little fine sand, some 0.5 inch thick Solvay chunks throughout about a half inch in length, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 15.1 Jerome:

Sample Description: Wet, soft to medium stiff, gray silt like grains, trace fine sand brown discoloration at 27 inches and 29 inches, 1.0 inch thick Solvay chunks throughout 1 inch thick, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 25.8 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, blue green discoloration form 9 to 15 inches, tan discoloration 1/16 of an inch thick at 36 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 21.2 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, tan discoloration at 22 inches, 24 inches, 37 inches, dark brown 0.5 inch diameter circular discoloration, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 62.6 Jerome:

Sample Description: Wet, medium stiff to hard, dark gray to gray, silt like grains, some black fine sand, 0.5 inch thick tan discoloration at 2 inches, large 0.5 inch to 1.0 inch thick Solvay chunks throughout, mothball odor.

OL-VC-10077	8/23/2006	12:10	1118080	925345.5	12.9	362.4	349.5	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	17.9	<input type="checkbox"/>	0	
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Comments:

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 4 Jerome:

Sample Description: 0 to 18 inches is wet, very soft, dark gray to gray, silt like grains, 0.5 inch thick or smaller Solvay chunks throughout. Rest of core is wet, soft to hard, grayish white, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 5.1 Jerome:

Sample Description: Wet, soft to medium stiff, grayish white, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 50.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, small 1/8 of an inch in diameter NAPL pockets from 10 to 12 inches, trace organics, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 2.9    *Jerome:*  
*Sample Description:* Wet, soft to medium stiff, gray, silt like grains, trace fine sand, black coal like fragments at 26 inches, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 2.9    *Jerome:*  
*Sample Description:* Wet, soft to medium stiff, gray, silt like grains, trace fine sand, black coal like fragments at 26 inches, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 0.5    *Jerome:*  
*Sample Description:* Wet, soft, light green, silt like grains, trace fine sand, black coal like fragments at 33 inches, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 17.9    *USCS:* SOLW    *PID:* 4.3    *Jerome:*  
*Sample Description:* Wet, soft to stiff, green, silt like grains, trace fine sand, mothball odor.

OL-VC-10078	8/23/2006	14:50	1117846	925415.9	8.2	362.4	354.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	18	20	<input type="checkbox"/>	0	
Comments: Hard from 2.5 feet on down.																

*Upper depth (ft):* 0    *Lower depth (ft):* 3.3    *USCS:* SW    *PID:* 0    *Jerome:*  
*Sample Description:* Wet, very dense, dark gray, fine well sorted sand, and solw, slight mothball odor, organic odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 30.3 Jerome:

Sample Description: Wet, hard to medium stiff, gray, silt like grains, some black fine sand, trace organics, brown discoloration at 15 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.4 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, little to trace fine sand, 1 inch thick Solvay chunks throughout, light brown discoloration throughout, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 4.4 Jerome:

Sample Description: Wet, medium stiff, gray, silt like grains, trace fine sand, 0.5 to 1.0 inch thick Solvay chunks throughout, 1/16 of an inch thick fine sand seam at 30 inches.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 5.9 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, 0.5 to 1 inch thick Solvay chunks throughout, trace organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 3.1 Jerome:

Sample Description: Wet, medium stiff, gray, silt like grains, little to trace fine sand, black coal like fragments at 12 inches, trace organics, mothball odor.

OL-VC-10078A	8/23/2006	15:50	1117845.2	925416.6	8	362.3	354.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	17.7	20	<input type="checkbox"/>	0	
Comments: Hard from 2 feet on down.																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 5.3 Jerome:

Sample Description: 0 to 12 inches is wet, dense to medium dense, black, fine SAND and shells. Rest of core is wet, soft, grayish white, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 3.4 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, brown discoloration from 14 to 16 inches, trace organics, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.5 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, little fine sand, 1.0 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, little fine sand, 1.0 inch thick Solvay chunks throughout, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 2.1 Jerome:

Sample Description: Wet, soft to medium stiff, gray, silt like grains, little to trace fine black sand, trace organics, 1.0 inch thick Solvay chunks throughout, mothball odor.

OL-VC-10079	8/21/2006	17:00	1117654.7	925422.2	6.6	362.5	355.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	18.9	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.8 Jerome:

Sample Description: Wet, soft, gray green to grayish white, silt like grains, trace fine sand, 1.0 inch thick or larger Solvay chunks throughout, black poorly sorted sand lens from 23 to 29 inches, slight mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.8 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, little black fine sand throughout, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 60.2 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some fine sand, 1.0 inch thick or larger Solvay chunks throughout, less than 0.5 inch long NAPL stringer at 36 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 60.2 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some fine sand, 1.0 inch thick or larger Solvay chunks throughout, less than 0.5 inch long NAPL stringer at 36 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.2 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, black discoloration at 17 inches, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.8 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, little fine sand, Solvay chunks throughout, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18.9 USCS: SOLW PID: 0.6 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, little black fine sand throughout, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.

OL-VC-10080	8/12/2006	16:30	1116980.6	925396.3	1.9	362.5	360.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.3	<input type="checkbox"/>	1.8	
Comments: mothball like odor																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.3 Jerome:

Sample Description: Wet, soft, gray green to gray, silt like grains, trace fine sand, trace clay in bottom foot of core, black discoloration at 17 inches and 24 inches, dark gray discoloration from 36 inches to 39 inches, slight petroleum like odor, and slight mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.3 Jerome:

Sample Description: Wet, soft, dark gray to black, to grayish white, silt like grains, little to trace fine sand, coal like fragments from 30 to 35 inches, fine sand lens about an 1/8 of an inch thick at 36 inches, petroleum like odor and slight mothball odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white with pink discoloration throughout, silt like grains, trace clay, dark gray discoloration at 24 and 34 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0.1 Jerome:

Sample Description: Wet, soft to medium stiff, gray white, silt like grains, trace fine sand in top half of core, tan discoloration in top 2 inches of core, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace clay in bottom of core, black discoloration at bottom 2 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.3 USCS: SOLW PID: 0.1 Jerome:

Sample Description: Wet, soft, grayish pink, silt like grains, tan discoloration at 10 inches and 23 inches, mothball odor.

OL-VC-10080A	8/12/2006	17:00	1116982.2	925394.2	1.9	362.5	360.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.3	<input type="checkbox"/>	5.2	
Comments: mothball like odor																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.1 Jerome:

Sample Description: Wet, soft, grayish green to dark gray SILT, trace fine sand in top half of core, little medium sand in top half of core, black discoloration at 21 inches and 29 inches, mothball odor and slight petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 2.1 Jerome:

Sample Description: 0 to 23 inches is dark gray, wet, soft, SILT, little clay, slight petroleum like odor, small pin sized isolated NAPL globules at 12 inches, 23 to 33 inches is black, loose, poorly sorted gravel and coal like fragments, trace organics, petroleum like odor. Rest of core is wet, soft, grayish white silt like grains, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish pink to gray white, silt like grains, trace fine sand, dark brown discoloration at 29 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, dark gray discoloration at 35 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, pink discoloration in bottom of core, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.3 USCS: SOLW PID: 0.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace clay, pink discoloration at 17 inches, 25 inches, and 31 inches, mothball odor.

OL-VC-10081	8/15/2006	16:50	1117441	925496	5	362.6	357.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	20	<input type="checkbox"/>	0.2	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SOLW      *PID:* 1.1      *Jerome:*  
*Sample Description:* Wet, soft to medium stiff, gray, silt like grains, trace fine sand, fine to medium grain sand seam 1/8 of an inch thick at 9.5 inches, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 9      *Jerome:*  
*Sample Description:* Wet, soft to stiff, grayish white, silt like grains, little black fine sand, 1.0 inch long Solvay chunks bottom half of core, trace organics, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft to medium stiff, gray, silt like grains, little black fine sand, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft to medium stiff, gray, silt like grains, little black fine sand, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft to medium stiff, gray silt like grains, trace fine sand, black fine sand seam from 31 inches to 33 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2.9 Jerome:

Sample Description: Wet, soft, gray, silt like grains, little fine sand, black discoloration at 29 inches, trace organics, small black silt lens 1/16 of an inch thick at 8.5 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 1.8 Jerome:

Sample Description: Wet, soft to medium stiff, gray, silt like grains, little to trace fine sand, tan discoloration at 8.5 inches, and 31 inches, mothball odor.

OL-VC-10081A	8/15/2006	17:50	1117443.5	925496.8	4.9	362.6	357.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.6	<input type="checkbox"/>	0	
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Comments: Hard entire way down, about 25 minutes to advance.

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, gray, silt like grains, top half inch is black fine sand, fine black seam at 23.5 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.7 Jerome:

Sample Description: Wet, soft, gray, silt like grains, little fine sand, black discoloration at 6 inches, 1 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, medium stiff to soft, gray, silt like grains, trace to little black fine sand, trace organics, 2 inch thick black sand and Solvay chunk at 4 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, medium stiff, gray silt like grains, little to trace fine sand, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, medium stiff to hard, silt like grains, little fine sand, black fine sand seam at 36 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.6 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to medium stiff, gray silt like grains, trace fine sand, mothball odor.

OL-VC-10082	8/20/2006	12:15	1118354.3	925614.9	29	362.6	333.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand, slight petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 5.4 Jerome:

Sample Description: Wet, soft, black, SILT, little fine sand.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 9.2    *Jerome:*  
*Sample Description:* 0 to 6 inches is wet, soft gray, SILT, trace fine sand. Rest of core is wet, soft, silt like grains, little sand, Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 5.6    *Jerome:*  
*Sample Description:* Wet, soft, grayish white to gray green, silt like grains, trace fine sand, Solvay chunks throughout, black discoloration at 26 inches and 35 to 36 inches, slight mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 10.2    *Jerome:*  
*Sample Description:* Wet, soft, light gray to grayish white, silt like grains, little fine sand, 0.5 inch thick or smaller Solvay chunks in the bottom half, black discoloration at 32.5 inches, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.8    *USCS:* SOLW    *PID:* 5.4    *Jerome:*  
*Sample Description:* Wet, soft, gray green to grayish white, silt like grains, little fine sand, Solvay chunks at 12 inches, and 31 inches, bottom half has a hydrocarbon like odor.

OL-VC-10083	8/24/2006	13:40	1118077.4	925633.8	18.3	362.4	344.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0	
Comments:																

*Upper depth (ft):* 0    *Lower depth (ft):* 3.3    *USCS:* SOLW    *PID:* 28.2    *Jerome:*  
*Sample Description:* Wet, soft, gray green, silt like grains, little to trace fine sand, black discoloration form 33 to 35 inches, mothball odor. PID may be influenced by high humidity.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* SOLW    *PID:* 0    *Jerome:*  
*Sample Description:* Wet, soft, dark gray to gray, silt like grains, trace fine sand, black discoloration for 13 inches to 19 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 0    *Jerome:*  
*Sample Description:* Wet, soft, dark gray to gray, silt like grains, trace fine sand, trace organics, black discoloration at 22 inches to 28 inches, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 0    *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, little to trace fine sand, blue circular discoloration at 11 and 13 inches, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 0    *Jerome:*  
*Sample Description:* Wet, soft to medium stiff, grayish white, silt like grains, trace fine sand, trace organics, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.8    *USCS:* SOLW    *PID:* 0    *Jerome:*  
*Sample Description:* Wet, soft to medium stiff, grayish white, silt like grains, trace fine sand, trace organics, mothball odor.

OL-VC-10083A	8/24/2006	14:30	1118076.4	925631.9	18.3	362.4	344.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	19.9	<input type="checkbox"/>	0	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* ML      *PID:* 0      *Jerome:*  
*Sample Description:* 0 to 25 inches is wet, very soft, black to dark gray, SILT, trace fine sand, trace organics, hydrocarbon like odor. Rest of core is dark gray to gray, silt like grains, trace fine sand, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, green to dark gray, silt like grains, trace fine sand, black discoloration at 11, 25, and bottom 2 inches of core, trace organics, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, gray green to dark gray, silt like grains, trace organics, black coal like fragments at 34 inches, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, little to trace fine sand, trace organics, mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* SOLW      *PID:* 0      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, small pin sized NAPL globules at 34 inches, mothball odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to hard, grayish white silt like grains, trace fine sand, trace organics, mothball odor.

OL-VC-10084	8/23/2006	17:00	1117489.5	925660.7	7	362.4	355.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20.1	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to medium stiff, gray to grayish white, silt like grains, some black fine sand, 1 inch thick Solvay chunks throughout, fine to medium grained poorly sorted sand seam at 33 inches, seam is 1/8 inch thick, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to medium stiff, gray to gray green, silt like grains, some black fine sand, 1 inch thick Solvay chunks throughout, black discoloration at 29.5 inches, small 1/8 inch isolated NAPL globule at 4 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.3 Jerome:

Sample Description: Wet, soft, gray green to gray, silt like grains, little to trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, trace brown organics in top half of core, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white to light green, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 7.7 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some black fine sand, light brown organics in bottom of core, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 7.7 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some black fine sand, light brown organics in bottom of core, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 4.5 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, mothball odor.

OL-VC-10085	8/22/2006	15:20	1117135	925641.9	3.8	362.3	358.5	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
Comments: Hard at 6 to 7 feet.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.3 Jerome:

Sample Description: Wet, soft, grayish white to gray, silt like grains, trace fine sand, trace clay, trace organics in top of core, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 5.7 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some black fine sand, 1 inch Solvay chunks throughout, tan discoloration at 20 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 15.2 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some black fine sand, 1 inch Solvay chunks throughout, tan discoloration at 20 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 30.2 Jerome:

Sample Description: Wet, soft, light green to gray, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2.2 Jerome:

Sample Description: Wet, soft, gray to light green, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 1.4 Jerome:

Sample Description: Wet, soft, gray green to gray, silt like grains, some black fine sand, black discoloration from 23 to 25 inches, small pin sized isolated NAPL globules at 34 inches.

OL-VC-10086	8/11/2006	15:05	1116945.8	925660.6	3	362.4	359.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	3	20	18	<input type="checkbox"/>	0	
Comments: OSI change O ring on Vibracore head																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.9 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, black discoloration at 4 inches, black fine sand lens at 15 inches, trace organics, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0 Jerome:

Sample Description: 0 to 37 inches wet, medium stiff to soft, gray green, silt like grains, trace fine sand, black discoloration at 21.5 inches, mothball odor. Rest of core dark gray green to black, SILT, trace fine sand, slight petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 2 Jerome:

Sample Description: Wet, soft, black to dark gray SILT, little clay, trace fine sand, small 1/8 inch diameter pockets of NAPL from 12 inches to 24 inches, petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: 0 to 12 inches wet, soft, black, SILT, trace fine sand in clay grading towards Solway. Rest of core wet, soft, gray green grayish white, silt like grains, with trace fine sand, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, medium stiff, gray to grayish white, silt like grains, trace fine sands, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.

OL-VC-10086A	8/14/2006	15:40	1116944.4	925659.4	3	362.4	359.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18.8	<input type="checkbox"/>	0	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SOLW      *PID:* 0.2      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, little fine sand throughout, 1-inch thick or larger Solvay chunks throughout, black discoloration at 0.5 inches, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 0.2      *Jerome:*  
*Sample Description:* Wet, soft, gray green, silt like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* ML      *PID:* 0      *Jerome:*  
*Sample Description:* 0 to 10 inches, wet, soft to medium stiff, light green, silt like grains (SOLW), rest of core dark gray to black, wet, very soft, SILT, little clay, trace fine sand, petroleum like odor, small 1/8 inch pockets of NAPL from 32 to 36 inches.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* ML      *PID:* 0      *Jerome:*  
*Sample Description:* 0 to 10 inches, wet, soft to medium stiff, light green, silt like grains (SOLW), rest of core dark gray to black, wet, very soft, SILT, little clay, trace fine sand, petroleum like odor, small 1/8 inch pockets of NAPL from 32 to 36 inches.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 0.2      *Jerome:*  
*Sample Description:* 0 to 20 inches wet, soft, black, SILT, trace fine, sand grading towards Solvay. Rest of core gray green to grayish white, wet, soft, silt like grains, trace fine sand, slight mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, medium stiff to soft, grayish white, silt like grains, trace fine sand, black discoloration at 21 inches, trace organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18.8 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, medium stiff to stiff, grayish white silt like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor.

OL-VC-10087	8/12/2006	13:50	1116769.1	925592.6	2.2	362.6	360.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	19	19	<input type="checkbox"/>	4.1	0
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Comments: Actual penetration depth 18.5. Mothball like odor at top of section 6.

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.1 Jerome:

Sample Description: Wet, medium stiff to hard, silt like grains, pink discoloration at 31 inches, top 4 inches is dark gray, SILT, little clay, some 0.5 inch or smaller gravel, some shells, slight petroleum like odor and mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish pink, silt like grains, black fine sand in top 12 inches of core, 1-inch thick or larger Solvay chunks in top 12 inches of core, trace organics, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.1 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace clay, 1-inch thick or larger Solvay chunks throughout, tan discoloration at 30 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.1 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace clay, 1-inch thick or larger Solvay chunks throughout, tan discoloration at 30 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace clay, brown discoloration at 7 inches, 12 inches, 18 inches, 22 inches, and 34 inches, trace 1-inch thick or larger Solvay chunks, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, medium stiff, silt like grains, trace fine sand in top 4 inches of core, trace clay, dark gray discoloration at 6 inches, grayish pink discoloration at 34 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to medium stiff, grayish white, silt like grains, some fine black sand, 1-inch thick or larger Solvay chunks in bottom 7 inches of core, mothball odor.

OL-VC-10088	8/24/2006	15:20	1117764.5	925722.1	9.3	362.4	353.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to medium stiff, gray green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, little fine sand, trace organics, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, little fine sand, trace organics, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to medium stiff, gray green, silt like grains, black coal like organics at 10 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to medium stiff, gray to gray green, silt like grains, trace fine sand, trace organics, mothball odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, trace organics, mothball odor.

OL-VC-10089	8/22/2006	16:40	1117288.4	925742.9	5.8	362.4	356.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.7	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 1.9 Jerome:

Sample Description: 0 to 11 inches is wet, soft, black to dark gray, silt like grains, some fine sand and gravel, trace organics. Rest of core is wet, medium stiff, gray, silt like grains, trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 1.5 Jerome:

Sample Description: Wet, soft, bright green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.2 Jerome:

Sample Description: Wet, soft, bright green, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.2 Jerome:

Sample Description: Wet, soft, bright green, silt like grains, trace fine sand, small pin sized NAPL globule at 17 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.7 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Wet, soft, bright green, silt like grains, trace fine sand, mothball odor.

OL-VC-10090	8/20/2006	09:48	1118132.3	925905.2	23.7	362.5	338.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20.1	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 4.2 Jerome:

Sample Description: Wet, soft, black, SILT.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 19.8 Jerome:

Sample Description: Wet, soft, black to gray, SILT.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 12.4 Jerome:

Sample Description: Wet, soft, gray to white gray, silt like grains, trace fine sand, black discoloration at 18 and 22 inches, 0.5 inch thick or smaller Solvay chunks from 33 inches to end of core.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 5.4 Jerome:

Sample Description: Top 3 inches is wet, medium stiff, gray, silt like grains, little sand, mothball odor. Rest of core is wet, soft, grayish white, silt like grains, trace fine sand, black discoloration at 3 inches, slight hydrocarbon odor and mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 8.9 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, black discoloration at 7 inches and 29 inches, isolated pin sized NAPL globules at 19.5 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 22.4 Jerome:

Sample Description: Wet, soft gray green to grayish white, silt like grains, trace fine sand, black discoloration from 0 to 2 inches, 1-inch thick or larger Solvay chunks in bottom half.

OL-VC-10091	8/24/2006	11:50	1117683.1	925945.2	9.5	362.4	352.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 788 Jerome:

Sample Description: Wet, soft, dark gray to grayish white, silt like grains, trace fine sand, trace organics, black discoloration throughout, mothball odor and slight petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 8.8 Jerome:

Sample Description: Wet, soft to hard to medium stiff, gray, silt like grains, some to little black fine sand, hard 1 inch thick Solvay chunks from 13 to 29 inches, small 1/8 in isolated NAPL globule at 8 and 9 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 28.3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, black discoloration at bottom of core, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 12.5 Jerome:

Sample Description: Wet, soft, gray to green, silt like grains, little to trace fine sand, small pin sized NAPL globule at 4 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 12.6 Jerome:

Sample Description: Wet, soft, green, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.6 USCS: SOLW PID: 25.3 Jerome:

Sample Description: Wet, soft, green, silt like grains, trace fine sand, trace organics, mothball odor.

OL-VC-10092	8/23/2006	09:33	1117470.8	925874.7	7.7	362.3	354.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19	<input type="checkbox"/>	0	
Comments: Hard from 2 to 5 feet.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 2 Jerome:

Sample Description: Wet, soft to very hard, gray, silt like grains, some black fine sand, 1 inch thick Solvay chunks throughout, trace organics, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, soft to medium stiff, green, silt like grains, trace fine sand, 1 inch thick Solvay chunks in bottom of core, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 4.5 Jerome:

Sample Description: Wet, soft, grayish white to gray, silt like grains, trace fine sand, some organics in bottom of core, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.8 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some fine sand to trace fine sand, trace organics, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.5 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19 USCS: SOLW PID: 1.2 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, trace organics, mothball odor.

OL-VC-10093	8/22/2006	14:20	1116983.5	925873.5	3.9	362.4	358.5	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* SOLW      *PID:* 2.4      *Jerome:*  
*Sample Description:* Wet, soft, grayish white to light green, silt like grains, some to trace fine sand, trace organics at top of core, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 13.4      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, brown discoloration at 32.5 inches, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 19      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, dark brown discoloration at 8 inches, brown organics at 9 inches, 1 inch thick Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 10.2      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 10.2      *Jerome:*  
*Sample Description:* Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.9 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 2.9 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, bottom 5 inches is black to dark gray, petroleum like odor. Rest of core has mothball odor.

OL-VC-10094	8/15/2006	11:40	1116632.3	925868.4	2	362.4	360.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
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Comments: Thin top crust (Top section 6)

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: 0 to 27 inches wet, very soft, light green to gray, silt like grains, trace clay, 0.5 inch thick or smaller Solvay chunks. Rest of core is dark gray, wet, soft, SILT, little fine sand, trace clay, black discoloration at 32 inches, petroleum like odor (ML).

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 0 Jerome:

Sample Description: Wet, medium stiff to soft, dark gray to black, SILT, little fine sand, some clay, low plasticity, black fine grained saturated sand lens at 28 inches, little organics throughout, strong petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.2 Jerome:

Sample Description: 0 to 21 inches wet, soft, dark gray to light gray, SILT, little fine sand and clay, low plasticity, petroleum like odor, at 12 inches grades to Solvay (ML), rest of core wet, soft, light gray to grayish white, silt like grains, little fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, 1-inch thick or larger Solvay chunks, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, gray to grayish white, silt like grains, trace fine sand, Solvay chunks throughout, black discoloration at 17 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 3 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, organics at 5 inches, mothball odor.

OL-VC-10095	8/19/2006	12:30	1118335.5	925974.7	28.2	362.3	334.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.1	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.2 Jerome:

Sample Description: Wet, very soft, black, SILT, trace fine sand, trace clay, trace organics, organic and trace petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 2.6 Jerome:

Sample Description: Wet, soft, black, SILT, little to trace clay, low plasticity, little organics, petroleum like odor, light gray discoloration at 30 inches.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 5.6 Jerome:

Sample Description: 0 to 29 inches is wet, soft, dark gray to black, SILT, little clay, trace fine sand, petroleum like odor. Rest of core is gray green, wet, soft, silt like grains, trace fine sand (SOLW), mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.4 Jerome:

Sample Description: 0 to 19 inches is, wet, soft, grayish white to gray, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks in top of core, mothball odor. Rest of core is dark gray to black, wet, soft, silt, trace clay, slight hydrocarbon like odor, organics odor, ML.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, dark gray, silt like grains, little fine sand, bottom 4 inches has some clay, black, trace organics. Rest of core has mothball and petroleum like odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.6 USCS: ML PID: 2.2 Jerome:

Sample Description: Wet, soft, black, SILT and CLAY, moderate plasticity, trace organics, organic odor.

OL-VC-10095A	8/19/2006	12:45	1118333.9	925972.7	28.2	362.3	334.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.6	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.2 Jerome:

Sample Description: Wet, very soft, black, SILT, trace clay, trace fine sand, little organics, organic odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* ML      *PID:* 1.2      *Jerome:*

*Sample Description:* Wet, soft, black, SILT, trace clay, slight petroleum like odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 2.5      *Jerome:*

*Sample Description:* 0 to 20 inches is Wet, soft, black, SILT, trace clay, slight petroleum like odor. Rest of core is gray green silt like grains, little to trace fine sand, mothball odor, trace organics.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 2.5      *Jerome:*

*Sample Description:* 0 to 20 inches is Wet, soft, black, SILT, trace clay, slight petroleum like odor. Rest of core is gray green silt like grains, little to trace fine sand, mothball odor, trace organics.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 2.1      *Jerome:*

*Sample Description:* Wet, soft, grayish white to dark gray, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* CL      *PID:* 1.4      *Jerome:*

*Sample Description:* Wet, soft, dark gray to black, SILT, little to some clay, low plasticity, trace organics, petroleum like odor and slight hydrocarbon odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 Company: 1

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.1 USCS: MH PID: 1.8 Jerome:

Sample Description: Wet, soft, black, CLAY and SILT, moderate plasticity, petroleum like odor, trace organics.

OL-VC-10096	8/24/2006	08:20	1117842.4	925984.7	15.4	362.4	347	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 7.8 Jerome:

Sample Description: Wet, soft, black, SILT, some to trace fine sand, trace clay, little organics, small isolated pin sized NAPL globule at 8 inches, hydrocarbon like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 20.6 Jerome:

Sample Description: Wet, soft, dark gray to green to grayish white, silt like grains, trace fine sand, black discoloration at 21 inches with fine sand mixed in, trace organics, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 1 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.5 Jerome:

Sample Description: Wet, hard to soft, gray, silt like grains, trace fine sand, trace organics, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.5 Jerome:

Sample Description: Wet, hard to soft, gray, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.6 Jerome:

Sample Description: Wet, soft, green, silt like grains, trace fine sand, black discoloration at 16 inches, 20.5 inches, and 37.5 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 3.5 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, black discoloration from 10 to 12 inches, trace organics, mothball odor.

OL-VC-10096A	8/24/2006	08:55	1117840	925983.8	15.4	362.4	347	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	17.4	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 13.7 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, little to trace fine sand, little organics, pin sized isolated NAPL globules at 12 inches, 20 inches, and 24 inches, hydrocarbon like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 10.5 Jerome:

Sample Description: Wet, soft, black to dark gray to gray green, silt like grains, trace organics, black, fine, sand seam at 34 inches to 36 inches, hydrocarbon like odor and mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft to medium stiff, gray, silt like grains, trace fine sand, brown organics throughout, small pin sized NAPL globules at 25 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.9 Jerome:

Sample Description: Wet, soft, gray to green, silt like grains, trace fine sand, black discoloration at 37 and 39 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 17.4 USCS: SOLW PID: 2.8 Jerome:

Sample Description: Wet, soft, gray to green, silt like grains, trace fine sand.

OL-VC-10097	8/22/2006	09:15	1117273.4	926020.4	7.2	362.4	355.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	18.4	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 8.5 Jerome:

Sample Description: Wet, soft, gray silt like grains, trace fine sand, 1 to 1.5 inch thick Solvay chunks throughout, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* SOLW    *PID:* 2.1    *Jerome:*  
*Sample Description:* Wet, soft, gray, silt like grains, trace fine sand, black fine to medium grained sand lens at 36 to 37 inches, mothball odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* SOLW    *PID:* 2.2    *Jerome:*  
*Sample Description:* Wet, soft, gray to gray green, silt like grains, trace fine sand, black discoloration at 17 inches, mothball odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* SOLW    *PID:* 1.6    *Jerome:*  
*Sample Description:* Wet, soft, green, silt like grains, trace fine sand, black discoloration with medium sand at 22 inches, mothball odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* SOLW    *PID:* 6.5    *Jerome:*  
*Sample Description:* Wet, soft, green to gray, silt like grains, trace fine sand, dark green discoloration at 15 inches, mothball odor.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 18.4    *USCS:* SOLW    *PID:* 6.6    *Jerome:*  
*Sample Description:* Wet, soft, gray, silt like grains, trace fine sand, black discoloration from 9 to 13 inches, with 0.5 inch thick or smaller Solvay chunks throughout.

OL-VC-10097A	8/22/2006	09:40	1117275.1	926019.5	7.2	362.4	355.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18.5	<input type="checkbox"/>	0	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 5.1 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 3.1 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 11.5 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.6 Jerome:

Sample Description: Wet, soft, green, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.5 Jerome:

Sample Description: Wet, soft, bright green to gray, silt like grains, trace fine sand, trace organics, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 18.5 USCS: SOLW PID: 3.6 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, dark gray discoloration from 7 to 10.5 inches, trace organics, mothball odor.

OL-VC-10098	8/22/2006	10:10	1117287	926041.7	7.5	362.4	354.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, bottom 2 inches of core are black to gray, fine grained sand, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 5.5 Jerome:

Sample Description: 0 to 21 inches is wet, dense, black, fine, poorly sorted SAND, trace organics. Rest of core is wet, soft, gray, silt like grains, some black fine sand, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 16.8 Jerome:

Sample Description: Soft, gray, silt like grains, some black fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 4.6 Jerome:

Sample Description: Wet, soft, gray, silt like grains, some black fine sand, mothball odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 5.6 Jerome:

Sample Description: Wet, soft, gray to gray green, silt like grains, trace fine sand, trace organics, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 6.9 Jerome:

Sample Description: Wet, soft, bright green to gray, silt like grains, trace fine sand, trace organics, mothball odor.

OL-VC-10099	8/22/2006	10:45	1117250.5	926020.2	7.2	362.5	355.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 3.5 Jerome:

Sample Description: Wet, soft, gray to gray green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.6 Jerome:

Sample Description: Wet, soft, gray to gray green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.5 Jerome:

Sample Description: Wet, soft, gray to gray green, silt like grains, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 15.7 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 5.7 Jerome:

Sample Description: Wet, soft, green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SOLW PID: 3.7 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, black discoloration with 0.5 inch thick or smaller Solvay chunks from 24 to 28 inches, mothball odor.

OL-VC-10100	8/22/2006	11:10	1117287.3	925996.8	7.3	362.4	355.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.1	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 3.1 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, fine sand seam 1/8 inches thick at 8.5 inches, 11.5 inches, and 22 inches, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 4.8 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.3 Jerome:

Sample Description: Wet, soft, green, silt like grains, trace fine sand, black discoloration at 23 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Wet, soft, green to gray green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.1 USCS: SOLW PID: 6.7 Jerome:

Sample Description: Wet, soft, green to gray, silt like grains, trace fine sand, grading to some fine sand, black discoloration at 32 and 33 inches, mothball odor.

OL-VC-10101	8/20/2006	08:58	1117979	926082.6	21.1	362.5	341.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 8.9 Jerome:

Sample Description: Wet, very soft to soft, SILT, black.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 7.1 Jerome:

Sample Description: 0 to 25 inches is wet, soft, black, SILT, some sand. Rest of core is wet, soft, green to grayish white, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor, trace organics throughout.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 12.4 Jerome:

Sample Description: Wet, soft, grayish white, silt like grains, trace fine sand, Solvay chunks throughout, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 16.4 Jerome:

Sample Description: Wet, soft, gray green to grayish white, silt like grains, trace fine sand, trace organics, black discoloration from 3 to 5 inches, hydrocarbon like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 8.9 Jerome:

Sample Description: 0 to 28 inches is wet, soft, light gray, silt like grains, mothball odor. Rest of core is wet, soft, dark gray, silt like grains, and Solvay petroleum like odor and slight mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: ML PID: 9.4 Jerome:

Sample Description: Wet, soft, gray, SILT, trace fine sand, black discoloration at 2.5 inches, slight hydrocarbon odor.

OL-VC-10102	8/20/2006	07:55	1117485	926067.6	8.6	362.5	353.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	17.2	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, light gray, silt like grains, trace fine sand, Solvay chunks throughout.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 9.4 Jerome:

Sample Description: Wet, soft, grayish white to gray green, silt like grains, trace fine sand, black discoloration at 16 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 6.3 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, black discolorations at 2 inches, 3 inches, and 31 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 9.7 Jerome:

Sample Description: Wet, soft, gray green to grayish white, silt like grains, trace fine sand, black discoloration at 10 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 5.8 Jerome:

Sample Description: Wet, soft grayish white, silt like grains, trace fine sand, black fine sand seam at 23 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 17.2 USCS: SOLW PID: 7 Jerome:

Sample Description: Wet, soft, grayish white, Solvay chunks in bottom, trace fine sand, mothball odor.

OL-VC-10103	8/23/2006	08:15	1117084.3	926131.8	7.4	362.3	354.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.1	<input type="checkbox"/>	0	
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Comments:

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 2.6 Jerome:

Sample Description: Wet, soft, gray, silt like grains, little to trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 2.9 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, large 4 inch long Solvay chunk at 20 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2.1 Jerome:

Sample Description: Wet, soft, green, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1 Jerome:

Sample Description: Wet, soft, gray green to dark green, silt like grains, trace fine sand, dark gray discoloration throughout bottom half of core, NAPL stringer at 28 to 29 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.5 Jerome:

Sample Description: Wet, soft, green to gray, silt like grains, trace fine sand, dark gray discoloration from 27 to 30 inches, with 0.5 inch thick or smaller Solvay chunks within, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18 USCS: SOLW PID: 14.6 Jerome:

Sample Description: Wet, soft to hard, gray, silt like grains, trace fine sand, black discoloration from 3 to 5.5 inches, mothball odor.

OL-VC-10103A	8/23/2006	08:45	1117084.3	926131.8	7.4	362.3	354.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 1.8 Jerome:

Sample Description: Wet, soft, dark gray to gray, silt like grains, some black fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 2.4 Jerome:

Sample Description: Wet, soft to hard, gray, silt like grains, trace fine sand, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2 Jerome:

Sample Description: Wet, soft, light green to dark green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 2 Jerome:

Sample Description: Wet, soft, light green to dark green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0.7 Jerome:

Sample Description: Wet, soft, dark green, silt like grains, trace fine sand, dark gray discoloration from 34 to 37 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.3 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, black discoloration from 10 to 12 inches, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 18 USCS: SOLW PID: 0.5 Jerome:

Sample Description: Wet, soft, gray to dark gray to black, silt like grains, trace fine sand, petroleum like odor at bottom of core, black discoloration at 6 inches, slight mothball odor.

OL-VC-10104	8/19/2006	15:38	1116687.1	926107.6	3.2	362.3	359.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments:																



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* Pt      *PID:* 1.6      *Jerome:*  
*Sample Description:* Wet, soft, gray, silt like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 1.1      *Jerome:*  
*Sample Description:* 0 to 4 inches is grayish white, silt like grains, mothball odor, black discoloration at 4 inches. Rest of core is light green, wet, soft, silt like grains, trace fine sand, trace organics.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 0.9      *Jerome:*  
*Sample Description:* Wet, soft, green, silt like grains, trace fine sand, mothball odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* SOLW      *PID:* 17.8      *Jerome:*  
*Sample Description:* Wet, soft, gray green, silt like grains, trace fine sand, mothball odor.

*Upper depth (ft):* 13.2      *Lower depth (ft):* 16.5      *USCS:* ML      *PID:* 1.8      *Jerome:*  
*Sample Description:* Wet, soft, light gray to black, SILT, some to little clay, trace fine sand, low to moderate plasticity, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: ML PID: 1.6 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, sewage like odor, low to moderate plasticity, tan discoloration in bottom half of core, top half has petroleum like odor, bottom half has sewage like odor.

OL-VC-10104A	8/19/2006	16:05	1116685.6	926107.1	3.2	362.3	359.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18.2	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 0.9 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, trace clay in bottom of core, sewage like odor and mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.2 Jerome:

Sample Description: Wet, soft, gray green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 1.3 Jerome:

Sample Description: Wet, soft, gray to gray green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.9 Jerome:

Sample Description: 0 to 22 inches is light gray, soft, silt like grains, mothball odor. Rest of core is dark gray to black, SILT, little clay to some clay, slight petroleum like odor and slight hydrocarbon odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 1.4 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, moderate plasticity, black coal like fragments at 32 inches, petroleum like odor.

Upper depth (ft): 16.5 Lower depth (ft): 18.2 USCS: ML PID: 1.2 Jerome:

Sample Description: Wet, soft, black and light brown, SILT, little to trace fine sand, some clay, moderate plasticity, sewage like odor.

OL-VC-10105	8/22/2006	13:20	1116859.4	926187.2	5.6	362.4	356.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
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Comments:

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 1.2 Jerome:

Sample Description: 0 to 5 inches is wet, soft, blue gray, silt like grains. Rest of core is wet, soft, gray, silt like grains, trace fine sand, 1/2 inch thick Solvay chunks in lower half of core, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.4 Jerome:

Sample Description: Wet, medium stiff to hard, gray, silt like grains, some black fine sand, to little black fine sand, 1/2 inch thick Solvay chunks throughout, fine to medium grained sand seam at 37 inches, mothball odor. Depth intervals in the photo are incorrect.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 1.2 Jerome:

Sample Description: Wet, soft, light green to gray, silt like grains, trace fine sand, trace organics, mothball odor. Depth intervals in the photo are incorrect.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 2.7 Jerome:

Sample Description: Wet, soft, gray green to gray, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.3 Jerome:

Sample Description: Wet, soft, grayish white to green to black, silt like grains, trace fine sand, slight petroleum like odor in bottom of core, mothball odor overall.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: ML PID: 0.5 Jerome:

Sample Description: Wet, soft, dark gray, grading to black at 17 inches, silt like grains grading to SILT, some clay, trace fine sand, moderate to low plasticity, petroleum like odor and slight organic odor.

OL-VC-10106	8/19/2006	14:40	1116498.4	926169.9	2.5	362.3	359.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	17.5	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SOLW PID: 5.6 Jerome:

Sample Description: 0 to 20 inches is wet, soft, gray, SILT, little fine sand, organic odor, black fine sand seam at 15.5 inches. Rest of core is wet, soft, gray green, silt like grains, trace fine sand, mothball odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 1.6 Jerome:

Sample Description: 0 to 25 inches is wet, soft, grayish white, silt like grains, trace fine sand, mothball odor. Rest of core is dark gray to black, SILT, some fine sand, some to little clay, slight mothball odor and slight petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 1.1 Jerome:

Sample Description: Wet, soft, black, SILT, little to some clay, trace fine sand throughout, moderate plasticity, fine sand seam at 14 inches, trace organics.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 0.5 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, trace fine sand in top of core, low to moderate plasticity, slight petroleum like odor, organic odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 0.4 Jerome:

Sample Description: Wet, soft, to medium stiff, black, SILT, some clay, trace organics, moderate plasticity, organic odor.

Upper depth (ft): 16.5 Lower depth (ft): 17.5 USCS: ML PID: 0.4 Jerome:

Sample Description: Wet, soft, to medium stiff, black, SILT, some clay, trace organics, moderate plasticity, organic odor.

OL-VC-10107	8/15/2006	10:35	1116313.7	926342.7	1.7	362.4	360.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	17.5	<input type="checkbox"/>	0.9	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 3.2 Jerome:

Sample Description: 0 to 3 inches is wet, loose, black, fine grain SAND and SILT, some grass and rootlets. Rest of core is dark gray, wet, very soft to soft, SILT, some clay, trace fine sand, black discoloration at 19 inches, Petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* ML    *PID:* 3.2    *Jerome:*  
*Sample Description:* Wet, soft, dark gray to black, SILT, little clay, trace fine sand, black fine grained sand lenses 1/8 inch thick at 13.5 inches, 21.5 inches, and 27 inches, bottom 2 inches are black fine grained loose sand, petroleum like odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* ML    *PID:* 4.2    *Jerome:*  
*Sample Description:* Wet, soft, black to dark gray, SILT, some clay, trace fine sand, 1/2 inch thick black sand seam at top of core, trace organics, petroleum like odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* ML    *PID:* 4.2    *Jerome:*  
*Sample Description:* Wet, soft, black to dark gray, SILT, some clay, trace fine sand, 1/2 inch thick black sand seam at top of core, trace organics, petroleum like odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* ML    *PID:* 3.2    *Jerome:*  
*Sample Description:* Wet, soft, black to dark gray, SILT, some clay, low plasticity, trace wood, top half of core has petroleum like odor. Rest of core organic odor.

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* ML    *PID:* 0.1    *Jerome:*  
*Sample Description:* Wet, soft, black to dark gray to gray, SILT, some clay, low plasticity, trace organics, organic odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 17.5 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, dark gray, SILT, some clay, trace fine sand, low plasticity, organic odor.

OL-VC-20072	8/17/2006	08:15	1118947.4	922398.5	5	362.5	357.5	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: SM PID: 0.4 Jerome:

Sample Description: 0 to 5 inches is wet, loose, black, fine grained, SAND, trace organics, trace Solvay chunks. Rest of core is wet, loose, fine sand, some silt, gray, trace shells, sulfur odor, (MARL).

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SM PID: 2.4 Jerome:

Sample Description: Top 6 inches is wet, loose, fine grained, SAND and SILT. Rest of core grades to wet, soft, gray, SILT and fine SAND, little shells, sulfur odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SW PID: 3.7 Jerome:

Sample Description: Wet, loose to medium dense, gray, fine grained, SAND, little silt, trace organics, some shells, slow dilatancy, sulfur odor, (MARL).

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SM PID: 2.7 Jerome:

Sample Description: 0 to 7 inches, is moist, loose to medium dense, gray, fine grained sand, trace silt, trace shells. Rest of core is wet, soft, gray, SILT, some fine sand, trace clay in bottom 6 inches of core, trace shells, sulfur odor, (MARL).

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SM PID: 0.9 Jerome:

Sample Description: 0 to 23 inches is moist, soft to medium stiff, gray, CLAY, little fine sand, little silt, moderate plasticity, little shells (ML). Rest of core is wet, loose, gray, fine, SAND and SILT, trace shells, sulfur odor, (MARL).

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: SM PID: 0.4 Jerome:

Sample Description: 0 to 9 inches is gray, wet, loose, fine, SAND, little to trace silt, 9 to 24 inches is wet, loose, gray, sand, some silt, sulfur odor, red organics at 18 inches. Rest of core is gray, wet, soft, SILT, some sand, organics throughout, sulfur odor.

OL-VC-20073	8/17/2006	11:25	1119022.7	922653.3	22.9	362.5	339.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.3	<input type="checkbox"/>	0	
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Comments:

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0 Jerome:

Sample Description: 0 to 27 inches is wet, very soft, black, SILT, petroleum like odor, trace fine sand. Rest of core is light gray.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 3.6 Jerome:

Sample Description: Wet, very soft, dark gray, SILT, trace fine sand, bottom 6 inches is black, petroleum like odor overall.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 1.9 Jerome:

Sample Description: Wet, very soft, dark gray to black, SILT, trace fine sand, trace organics and fibers, petroleum like odor.



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Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: CL PID: 0 Jerome:  
 Sample Description: 0 to 9 inches is wet, soft, black, SILT, sulfur odor (ML). Rest of core is moist, soft, gray, CLAY, trace shells, sulfur odor, (MARL).

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: CL PID: 0 Jerome:  
 Sample Description: Moist, soft to medium stiff, gray, CLAY, moderate plasticity, some silt to little silt, trace shells, sulfur odor, (MARL).

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: CL PID: 0 Jerome:  
 Sample Description: Moist, soft to medium stiff, gray, CLAY, moderate plasticity, some silt to little silt, trace shells, sulfur odor, (MARL).

Upper depth (ft): 16.5 Lower depth (ft): 19.3 USCS: CL PID: 0 Jerome:  
 Sample Description: Moist, medium stiff to soft, gray, CLAY, silt grading to some silt, trace shells, sulfur odor, (MARL).

OL-VC-20074	8/17/2006	15:40	1118876.3	922807.7	23.5	362.4	338.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	18.1	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.6 Jerome:  
 Sample Description: Wet, very soft, black, SILT, trace fine sand, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3    *Lower depth (ft):* 6.6    *USCS:* ML    *PID:* 4.1    *Jerome:*  
*Sample Description:* Wet, very soft to soft, black to dark gray, SILT, trace fine sand, trace organics, petroleum like odor.

*Upper depth (ft):* 6.6    *Lower depth (ft):* 9.9    *USCS:* ML    *PID:* 0.8    *Jerome:*  
*Sample Description:* Wet, very soft to soft, light gray to black, SILT, black coal like fragments at 13.5 inches, trace fine sand, petroleum like odor.

*Upper depth (ft):* 9.9    *Lower depth (ft):* 13.2    *USCS:* CL    *PID:* 0.5    *Jerome:*  
*Sample Description:* Moist, soft to medium stiff, gray, CLAY, some to little silt, moderate plasticity, trace shells, sulfur odor, (MARL).

*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* CL    *PID:* 0    *Jerome:*  
*Sample Description:* Moist, soft to medium stiff, gray, CLAY, some to little silt, moderate plasticity, trace shells, sulfur odor, (MARL).

*Upper depth (ft):* 16.5    *Lower depth (ft):* 18.1    *USCS:* CL    *PID:* 0    *Jerome:*  
*Sample Description:* Moist, soft to medium stiff, gray, CLAY, some to little silt, moderate plasticity, trace shells, sulfur odor, (MARL).

OL-VC-20075	8/17/2006	09:00	1118763.6	922723.1	19.7	362.4	342.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	17.2	<input type="checkbox"/>	5	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* ML      *PID:* 0.4      *Jerome:*  
*Sample Description:* Wet, very soft, black, SILT, trace fine sand, petroleum like odor, spotty rainbow sheen on sediment.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* SOLW      *PID:* 0.7      *Jerome:*  
*Sample Description:* 0 to 13 inches is black grading to dark gray, wet, soft, SILT, trace fine sand, trace organics, slight petroleum like odor. Rest of core is dark gray to gray, wet, soft, silt like grains, trace fine sand, mothball odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* ML      *PID:* 0.9      *Jerome:*  
*Sample Description:* Top 7 inches is dark gray, grading to black, wet, soft, silt like grains, trace organics, trace fine sand. Rest of core is wet, soft, black, SILT, trace fine sand grading to no sand, little clay, low plasticity, trace organics, petroleum like odor.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* ML      *PID:* 0.9      *Jerome:*  
*Sample Description:* Top 7 inches is dark gray, grading to black, wet, soft, silt like grains, trace organics, trace fine sand. Rest of core is wet, soft, black, SILT, trace fine sand grading to no sand, little clay, low plasticity, trace organics, petroleum like odor.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* CL      *PID:* 0.2      *Jerome:*  
*Sample Description:* Top 1.5 inches is black. Rest of core is gray, moist, soft, medium stiff, CLAY, some silt, trace shells, sulfur odor (MARL).

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: CL PID: 0.4 Jerome:

Sample Description: Moist, soft, gray, CLAY, some to little silt, moderate plasticity, trace shells, a half inch diameter fine sand pocket at 1 inch, sulfur odor, (MARL).

Upper depth (ft): 16.5 Lower depth (ft): 17.2 USCS: CL PID: 0.3 Jerome:

Sample Description: Moist, soft, gray, CLAY, some to little silt, moderate plasticity, trace shells, a half inch diameter fine sand pocket at 1 inch, sulfur odor, (MARL).

OL-VC-20076	8/17/2006	16:48	1118721.4	923011.6	27.5	362.8	335.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.7	<input type="checkbox"/>	0	
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Comments: Hydrocarbon like odor in top section.

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.1 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand, petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 0.1 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand, petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 0.1 Jerome:

Sample Description: 0 to 28 inches is wet, soft, black to dark gray, SILT, trace fine sand, petroleum like odor (ML). Rest of core is wet, soft, moderate plasticity, CLAY, trace fine silt, black organic discoloration throughout, trace shells, slight sulfur odor, (MARL).

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: CL PID: 0.1 Jerome:  
 Sample Description: Wet, soft, gray, CLAY, trace fine silt, black organic discolorations, trace organics throughout, (MARL).

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: CL PID: 0 Jerome:  
 Sample Description: Wet, soft, gray, CLAY, trace fine silt, black organic discolorations, trace organics throughout, (MARL).

Upper depth (ft): 16.5 Lower depth (ft): 19.7 USCS: CL PID: 0 Jerome:  
 Sample Description: Wet, soft, gray, CLAY, trace fine silt, black organic discolorations, trace organics throughout, (MARL).

OL-VC-20077	8/17/2006	10:10	1118596.5	922898.4	21.2	362.4	341.2	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	17.3	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0 Jerome:  
 Sample Description: Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 0 Jerome:  
 Sample Description: Wet, very soft, black, SILT, trace fine sand, dark gray discoloration from 30 inches to 34 inches, trace organics, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 1.9 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, trace clay, trace organics, light gray discoloration at 9 inches and bottom 3 inches of core, petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: CL PID: 0 Jerome:

Sample Description: 0 to 5 inches is wet, soft, black, SILT, slight petroleum like odor. Rest of core is moist, soft to medium stiff, gray, CLAY, some trace shells, sulfur odor, (MARL).

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: CL PID: 0 Jerome:

Sample Description: Moist, medium stiff to soft, gray, CLAY, some silt, moderate plasticity, trace shells, slight sulfur odor, (MARL).

Upper depth (ft): 16.5 Lower depth (ft): 17.3 USCS: CL PID: 0 Jerome:

Sample Description: Moist, soft, gray, CLAY, some silt, trace shells, slight sulfur odor, (MARL).

OL-VC-20078	8/17/2006	17:50	1118583.7	923175.9	26.6	362.5	335.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.8	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.1 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 3.6 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand, trace organics, slight petroleum like odor, trace Solvay chunks in bottom half.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.5 Jerome:

Sample Description: Wet, soft, gray green to light gray, last 2 inches is dark gray, silt like grains, trace fine sands, 0.5 inch thick or smaller Solvay chunks at 28 and 38 inches, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0.1 Jerome:

Sample Description: 0 to 29 inches is wet, soft, dark gray to gray green, top 5 inches has 0.5 inch thick or smaller Solvay chunks, silt like grains, trace fine sand, slight mothball odor. Rest of core is wet, soft, dark gray, CLAY, trace fine silt, moderate plasticity, sulfur odor, trace shells, (MARL).

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: CL PID: 0.1 Jerome:

Sample Description: Wet, soft, dark gray, CLAY, trace fine silt, trace shells throughout, black discoloration throughout, slight sulfur odor, (MARL).

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: CL PID: 0.4 Jerome:

Sample Description: Wet, soft, dark gray, CLAY, trace fine silt, trace shells throughout, black discoloration throughout, slight sulfur odor, (MARL).

OL-VC-20079	8/17/2006	13:10	1118448.3	923079.3	19.8	362.5	342.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0.6	
Comments: Hydrocarbon like odor in top section.																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 2.6 Jerome:

Sample Description: Wet, very soft, black to dark gray, SILT, trace organics, petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 2.8 Jerome:

Sample Description: 0 to 22 inches is wet, very soft, gray to gray green, silt like grains, 0.5 inch thick or smaller Solvay chunks at top of core, mothball odor. Rest of core is dark gray to black, wet, soft, SILT, trace fine sand, petroleum like odor (ML).

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.4 Jerome:

Sample Description: Wet, very soft, gray green, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 5.9 Jerome:

Sample Description: Top 4 inches is black. Rest of core is blue green, wet, soft, silt like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0 Jerome:

Sample Description: 0 to 21 inches is wet, very soft to soft, blue green, silt like grains, trace fine sand, mothball odor. Rest of core is dark gray to gray, medium stiff to soft, moist, CLAY, some silt, trace shells, sulfur odor, (MARL).



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: CL PID: 0 Jerome:

Sample Description: Moist, medium stiff, gray, CLAY, little silt, trace shells, trace organics, moderate plasticity, sulfur odor, (MARL).

OL-VC-20079A	8/17/2006	13:45	1118448.3	923079.3	19.8	362.5	342.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0.6	
Comments: Hydrocarbon like odor in top section.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 1.8 Jerome:

Sample Description: Wet, very soft, black, SILT, trace fine sand, trace organics, light gray discoloration at 25 inches, petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 0.3 Jerome:

Sample Description: Top 6 inches is wet, soft, black, SILT, trace fine sand, petroleum like odor. Rest of core is gray green, wet, very soft, silt like grains, trace fine sand, NAPL globule at 35 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, very soft, gray green, silt like grains, trace organic fibers, small isolated NAPL globule at 35 inches, mothball odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, very soft, gray green, silt like grains, trace organic fibers, small isolated NAPL globule at 35 inches, mothball odor.

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## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0.1 Jerome:

Sample Description: Wet, soft, black to gray green to blue green, silt like grains, trace fine sand, trace organics, 2 inch thick Solvay chunks in bottom half of core, black discoloration at 14 inches, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 0.2 Jerome:

Sample Description: 0 to 25 inches is wet, soft, blue green to gray, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, slight mothball odor. Rest of core is moist, medium stiff to stiff, gray, CLAY, some silt, moderate plasticity, trace shells, sulfur odor, (MARL).

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: CL PID: 0.8 Jerome:

Sample Description: Moist, medium stiff, gray, CLAY, little silt, trace shells, sulfur odor, (MARL).

OL-VC-70016	8/19/2006	11:15	1118264.3	926210	26.7	362.3	335.6	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	19.2	<input type="checkbox"/>	8.1	
Comments: Variable PID due to weather.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.6 Jerome:

Sample Description: Wet, very soft, black, SILT, trace clay, trace fine sand, little organics, petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 0.7 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand to little fine sand, little clay, trace organics, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 3.4 Jerome:  
 Sample Description: Wet, soft, black, SILT, trace fine sand to little fine sand, little clay, trace organics, petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 2.5 Jerome:  
 Sample Description: Wet, soft, light gray to black, SILT, trace clay, trace fine sand, trace organics, slight petroleum like odor and organic odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: CL PID: 1.4 Jerome:  
 Sample Description: 0 to 16 inches is wet, soft, gray, SILT, trace clay. Rest of core is wet, soft, black, CLAY and SILT, trace fine sand, moderate plasticity, trace organics.

Upper depth (ft): 16.5 Lower depth (ft): 19.2 USCS: ML PID: 2.5 Jerome:  
 Sample Description: Wet, soft, black, CLAY and SILT, moderate plasticity, trace organics, petroleum like odor.

OL-VC-70017	8/19/2006	09:46	1117925.9	926250.8	20.3	362.2	341.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: OL PID: 1.9 Jerome:  
 Sample Description: Wet, soft, black, SILT, some fine sand, organics, throughout, grading to dark gray, silt at bottom of core, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: SOLW PID: 4.9 Jerome:

Sample Description: 0 to 15 inches is wet, very soft to soft, dark gray to gray green, silt like grains, trace fine sand, small 1/8 inch isolated NAPL globule at 1 inch, mothball odor and organic odor. Rest of core is grayish white, silt like grains, trace fine sand, small pin sized NAPL globule at 35 inches.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 4.7 Jerome:

Sample Description: Wet, very soft to soft, gray green, silt like grains, trace fine sand, dark gray discoloration from 15 to 22 inches, 0.5 inch thick or smaller Solvay chunks within the discoloration, mothball odor and slight organic odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 3 Jerome:

Sample Description: Wet, very soft, gray green, silt like grains, trace fine sand in upper part of core, mothball odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 2 Jerome:

Sample Description: Wet, very soft to soft, gray green to grayish white, silt like grains, 0.5 inch thick or smaller Solvay chunks in top 12 inches of core, trace fine sand, mothball odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: ML PID: 2.3 Jerome:

Sample Description: Wet, soft, dark gray with black discoloration throughout, SILT, little to trace clay, low plasticity, petroleum like odor.

OL-VC-70018	8/18/2006	18:30	1117598.1	926309.2	16.2	362.2	346	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.6	<input type="checkbox"/>	0	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 0      *Lower depth (ft):* 3.3      *USCS:* ML      *PID:* 0.1      *Jerome:*  
*Sample Description:* Wet, soft, to very soft, dark gray to black, SILT, trace clay, trace fine sand, trace organics, organic odor and slight hydrocarbon like odor.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* ML      *PID:* 1.9      *Jerome:*  
*Sample Description:* Wet, soft, black to dark gray, SILT, trace fine sand, little to trace clay, low plasticity, petroleum and hydrocarbon like odors, some organic fibers throughout.

*Upper depth (ft):* 3.3      *Lower depth (ft):* 6.6      *USCS:* ML      *PID:* 1.9      *Jerome:*  
*Sample Description:* Wet, soft, black to dark gray, SILT, trace fine sand, little to trace clay, low plasticity, petroleum and hydrocarbon like odors, some organic fibers throughout.

*Upper depth (ft):* 6.6      *Lower depth (ft):* 9.9      *USCS:* SOLW      *PID:* 2.2      *Jerome:*  
*Sample Description:* Wet, soft to very soft, dark gray, SILT, grading to dark gray to gray green Solvay at 7 inches, hydrocarbon like odor and mothball odor, trace fine sand.

*Upper depth (ft):* 9.9      *Lower depth (ft):* 13.2      *USCS:* ML      *PID:* 0.7      *Jerome:*  
*Sample Description:* Wet, very soft to soft, dark gray, SILT, trace clay, trace fine sand, trace coal like fragments in bottom of core, gray brown, oil like material at 20, 21, and 22 inches, hydrocarbon like odor and slight petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 0.7 Jerome:

Sample Description: Wet, soft to medium stiff, dark gray to gray, SILT, trace clay in top of core, grading to some clay at bottom of core, moderate plasticity, trace organics, trace wood at 32 inches, petroleum like odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.6 USCS: ML PID: 0.6 Jerome:

Sample Description: Wet, to moist, black, SILT, some clay, moderate plasticity, trace organics, petroleum like odor.

OL-VC-70019	8/18/2006	17:20	1117503.5	926562.2	11.8	362.3	350.5	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19	<input type="checkbox"/>	0.1	
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Comments:

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.2 Jerome:

Sample Description: Wet, very soft to soft, black, SILT, little to trace fine sand, trace clay, hydrocarbon like odor in bottom half of core.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black, SILT, trace to some clay, trace fine sand, moderate plasticity, trace organics, petroleum like odor and slight hydrocarbon odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, dark gray to black, SILT, some clay, low to moderate plasticity, trace organics, petroleum like odor, hydrocarbon like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, dark gray to black, SILT, some clay, low to moderate plasticity, trace organics, petroleum like odor, hydrocarbon like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 0 Jerome:

Sample Description: Wet to moist, soft, black, SILT, some clay, moderate plasticity, fine black sand lens at 30 inches, petroleum and hydrocarbon like odor.

Upper depth (ft): 16.5 Lower depth (ft): 19 USCS: CL PID: 0 Jerome:

Sample Description: Wet to moist, soft, black, CLAY and SILT, moderate plasticity, gray fine grained sand lens at 15.5 inches, organic odor.

OL-VC-70020	8/18/2006	15:30	1117125.8	926516.6	9.8	362.2	352.4	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.2	<input type="checkbox"/>	0	
Comments: Hydrocarbon like odor in bottom section.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black, SILT, little clay, trace fine sand, low plasticity, organic odor and slight petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black, SILT, little clay, trace fine sand, low plasticity, trace organics, light gray discoloration at 23 inches, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, some to little clay, low plasticity, trace organics, petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, gray to dark gray, SILT, some to little clay, low to moderate plasticity, trace organics, petroleum like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, trace fine sand, trace organics, low to moderate plasticity, brown organics at 15 inches, petroleum like odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.2 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, trace fine sand, trace organics, low to moderate plasticity, petroleum like odor.

OL-VC-70021	8/18/2006	08:10	1117330.6	926381.7	12	362.3	350.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0.1	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 5.5 Jerome:

Sample Description: Wet, soft, black to dark gray, CLAY, trace fine sand, some organics, hydrocarbon and petroleum like odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 3.3     *Lower depth (ft):* 6.6     *USCS:* ML     *PID:* 7.6     *Jerome:*  
*Sample Description:* 0 to 22 inches is wet, soft, black to dark gray, SILT, trace fine sand, trace organics, isolated pin sized NAPL globules at 11 inches, hydrocarbon and petroleum like odors. Rest of core is wet, soft, gray, 0.5 inch thick or smaller Solvay chunks at 35 inches, slight hydrocarbon like odor and slight mothball odor.

*Upper depth (ft):* 6.6     *Lower depth (ft):* 9.9     *USCS:* SOLW     *PID:* 2.8     *Jerome:*  
*Sample Description:* Wet, soft, gray to grayish white, silt like grains, trace fine sand, isolated pin sized NAPL globules at 12 inches, 1-inch thick or larger Solvay chunks in bottom half of core, mothball odor.

*Upper depth (ft):* 9.9     *Lower depth (ft):* 13.2     *USCS:* SOLW     *PID:* 2.5     *Jerome:*  
*Sample Description:* Wet, soft, gray green to gray, silt like grains, trace fine sand, trace organics at 2 inches, slight mothball odor.

*Upper depth (ft):* 13.2     *Lower depth (ft):* 16.5     *USCS:* ML     *PID:* 2.8     *Jerome:*  
*Sample Description:* 0 to 24 inches is wet, soft, gray to dark gray, silt like grains, trace fine sand, very slight mothball odor. Rest of core is wet, soft, black, SILT, trace organics.

*Upper depth (ft):* 16.5     *Lower depth (ft):* 19.8     *USCS:* ML     *PID:* 2.8     *Jerome:*  
*Sample Description:* Wet, black, soft, SILT, trace fine sand, trace clay, trace organics.

OL-VC-70021A	8/18/2006	08:40	1117330	926379.5	12	362.3	350.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0.2	
Comments:																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 3.7 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sands, hydrocarbon and petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 4.6 Jerome:

Sample Description: Wet, soft, dark gray, SILT, trace fine sand, trace organics, slight hydrocarbon and petroleum like odors.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 9.4 Jerome:

Sample Description: Wet, soft, gray to grayish white, silt like grains, trace fine sands, 0.5 inch thick or smaller Solvay chunks at 4 inches and 29 inches, NAPL globules at 16 and 18 inches, hydrocarbon like odor and slight mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 1.8 Jerome:

Sample Description: Wet, soft, light gray to gray, silt like grains, trace fine sands, slight hydrocarbon and mothball like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: SOLW PID: 1.9 Jerome:

Sample Description: 0 to 23 inches is wet, soft, gray, silt like grains, trace fine sand, slight hydrocarbon and petroleum like odor. Rest of core is wet, soft, black, silt like grains, trace fine sand, hydrocarbon and petroleum like odors, core is a 50/50 mix of SOLW and ML

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: ML PID: 3.5 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand, trace organics throughout, slight hydrocarbon and petroleum like odors.

OL-VC-70022	8/18/2006	16:20	1117172	926817.1	9.2	362.3	353.1	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.2	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0 Jerome:

Sample Description: Wet, very soft to soft, dark gray to black, SILT, trace clay, trace fine sand, petroleum like odor and hydrocarbon like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black, SILT, some to little clay, light gray discoloration at 10 and 19 inches, trace organics, hydrocarbon like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 0 Jerome:

Sample Description: Wet to moist, black, soft, SILT, some clay, trace organics, petroleum like odor, bottom 4 inches is a fine sand, gravel and wood layer, strong petroleum like odor in bottom.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 0 Jerome:

Sample Description: Wet to moist, black, soft, SILT, some clay, trace fine sand, moderate plasticity, fine sand and wood seam at 36 inches, slight hydrocarbon like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 0 Jerome:

Sample Description: Wet to moist, black, soft, SILT, some clay, trace fine sand, moderate plasticity, fine sand and wood seam at 36 inches, slight hydrocarbon like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: CL PID: 0.1 Jerome:

Sample Description: Wet to moist, soft, black, CLAY and SILT, slight petroleum like odor, moderate plasticity, one inch long wood fragment at 36 inches.

Upper depth (ft): 16.5 Lower depth (ft): 19.2 USCS: CL PID: 0 Jerome:

Sample Description: 0 to 3 inches is wet, loose, black, silt and fine sand, trace organics. Rest of core is moist, medium stiff to soft, black to dark gray, CLAY, some silt, trace shells, organics odor, light gray fine sand seam at 14 inches (MARL).

OL-VC-70023	8/18/2006	14:40	1116853.6	926348.6	5.9	362.4	356.5	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.5	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 3.9 Jerome:

Sample Description: Wet, soft, dark gray with black organic discoloration throughout, SILT, little to trace clay, trace fine sand, petroleum like odor and slight organic odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 1.9 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, some clay, low to moderate plasticity, 1/16 inch thick fine sand seam at 15 inches, strong petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 2.5 Jerome:

Sample Description: Wet, soft, dark gray, with black discoloration throughout, SILT, little to trace clay, low plasticity, petroleum like odor and slight hydrocarbon like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 0 Jerome:

Sample Description: Wet, soft, dark gray, SILT, trace clay, grading to gray green, silt like grains at 19 inches, small pin sized NAPL globules at 12, mothball odor and slight petroleum like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, dark gray, black, SILT, little to trace clay, trace fine sand, low plasticity, tan discoloration with an oil like texture form 9 to 12 inches.

Upper depth (ft): 16.5 Lower depth (ft): 19.5 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, moderate plasticity, trace organics, petroleum like odor.

OL-VC-70024	8/18/2006	11:55	1116858	926638.4	6.3	362.3	356	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18.5	<input type="checkbox"/>	0	
Comments: Hydrocarbon like odor throughout core.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.1 Jerome:

Sample Description: 0 to 18 inches is wet, soft, dark gray to black, SILT and SAND, petroleum like odor (SM). Rest of core is wet, soft, black, SILT, little to trace fine sand, trace clay, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 1.1 Jerome:

Sample Description: Wet, soft, black, SILT, trace clay, trace fine sand, trace organics, petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 2.6 Jerome:

Sample Description: Wet, soft, black, dark gray, SILT, some clay, moderate plasticity to low plasticity, petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 2 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, trace fine sand, trace organics, low to moderate plasticity, petroleum like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 0.9 Jerome:

Sample Description: Moist to wet, black, soft, SILT, some clay, moderate plasticity, little organics, 4 inch long piece of timber at 28 inches, petroleum like odor.

Upper depth (ft): 16.5 Lower depth (ft): 18.5 USCS: ML PID: 0.1 Jerome:

Sample Description: Moist to wet, black, soft, SILT, some clay, moderate plasticity, little organics, petroleum like odor.

OL-VC-70024A	8/18/2006	11:25	1116857.8	926641.2	6.3	362.3	356	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19	<input type="checkbox"/>	0	
Comments: Hydrocarbon like odor throughout core.																

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.9 Jerome:

Sample Description: Wet, soft, black, SILT, little fine sand, trace organics.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 4.1 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, some clay, trace fine sand in top half of core, low plasticity, petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 1.4 Jerome:

Sample Description: Wet, soft, dark gray to black to dark gray, SILT, some clay, trace fine sand in top half of core, low plasticity, petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 0.6 Jerome:

Sample Description: Wet, soft, black, SILT, little clay, low plasticity, trace organics, petroleum like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 0.2 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, moderate plasticity, trace organics, 0.5 inch thick gray, fine grained, sand seam at 17 inches, petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19 USCS: ML PID: 0.1 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, moderate plasticity, trace organics, coal like fragments throughout, petroleum like odor.

OL-VC-70031	8/19/2006	08:48	1117865.5	926518	20.5	362.2	341.7	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	18.2	<input type="checkbox"/>	0	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 0.1 Jerome:

Sample Description: Wet, very soft to soft, black, SILT, trace clay, trace fine sand, organic odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 1.1 Jerome:

Sample Description: Wet, soft, black, SILT, little to some clay, trace organics, low plasticity, slight petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: ML PID: 2.4 Jerome:

Sample Description: Wet, soft, dark gray to black, SILT, little to trace clay, low plasticity, some organics, petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 1.4 Jerome:

Sample Description: Wet to moist, soft, black, SILT and CLAY, low plasticity to moderate plasticity, trace organics, petroleum like odor.



# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black with dark gray, SILT, some clay, low plasticity, trace organics, petroleum like odor and slight hydrocarbon odor.

Upper depth (ft): 16.5 Lower depth (ft): 18.2 USCS: CL PID: 0 Jerome:

Sample Description: Moist, soft, black, CLAY and SILT, moderate plasticity, organics, organic order.

OL-VC-70032	8/18/2006	10:45	1117342.1	926402.5	12.4	362.3	349.9	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	20	<input type="checkbox"/>	0	
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Comments: Hydrocarbon like odor in bottom sections.

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 1.8 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand, little organics, petroleum like odor.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 4 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, trace clay, trace organics, slight petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 0.9 Jerome:

Sample Description: Wet, soft, gray, silt like grains, trace fine sand, trace organics, dark gray discoloration from 30 to 36 inches, mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 0.7 Jerome:

Sample Description: Wet, soft, dark gray, SILT, little to trace clay, trace fine sand, low plasticity, hydrocarbon like odor and slight petroleum like odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: ML PID: 0.7 Jerome:

Sample Description: Wet, soft, dark gray, SILT, little to trace clay, trace fine sand, low plasticity, hydrocarbon like odor and slight petroleum like odor.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 1.3 Jerome:

Sample Description: Wet, soft, dark gray to black, SILT, some clay, trace fine sand in top half of core, moderate plasticity, trace organics, petroleum like odor.

Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: ML PID: 0 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, some clay, trace fine sand, moderate plasticity, petroleum like odor.

OL-VC-70033	8/18/2006	09:10	1117304.8	926380.3	11.5	362.3	350.8	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	1	20	19.9	<input type="checkbox"/>	0.3	
Comments:																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 4.5 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand, trace organics, slight hydrocarbon like and petroleum like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 1.8 Jerome:

Sample Description: Wet, soft, black, SILT, trace fine sand, trace clay, isolated pin sized NAPL pockets form 16 to 17 inches, slight petroleum like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.8 Jerome:

Sample Description: 0 to 10 inches is wet, soft, gray, SILT, trace fine sand, slight hydrocarbon like odor, ML grading toward Solvay. Rest of core is wet, soft, light gray to grayish white, silt like grains, trace fine sand, 1-inch thick or larger Solvay chunks from 22 to 27 inches, slight mothball odor and slight hydrocarbon like odor, isolated pin sized NAPL globule at 15 and 18 inches.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.8 Jerome:

Sample Description: 0 to 10 inches is wet, soft, gray, SILT, trace fine sand, slight hydrocarbon like odor, ML grading toward Solvay. Rest of core is wet, soft, light gray to grayish white, silt like grains, trace fine sand, 1-inch thick or larger Solvay chunks from 22 to 27 inches, slight mothball odor and slight hydrocarbon like odor, isolated pin sized NAPL globule at 15 and 18 inches.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 3.6 Jerome:

Sample Description: 0 to 24 inches is wet, soft, grayish white to gray, silt like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks from 1 to 5 inches, hydrocarbon like odor and slight mothball like odor, grading toward silt and Solvay. Rest of core is wet, soft, gray, SILT, trace fine sand, slight hydrocarbon like and mothball like odors.

Upper depth (ft): 13.2 Lower depth (ft): 16.5 USCS: ML PID: 1.2 Jerome:

Sample Description: Wet, soft, gray to black, SILT, little clay, slight hydrocarbon like odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 \_\_\_\_\_ Company: 1 \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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Upper depth (ft): 16.5 Lower depth (ft): 19.8 USCS: ML PID: 1.3 Jerome:

Sample Description: Wet, soft, black, SILT, some clay, trace organics throughout, slight hydrocarbon like odor.

OL-VC-70034	8/18/2006	10:05	1117342.6	926358.6	12	362.3	350.3	SOIL	SEDIMENT	<input checked="" type="checkbox"/>	2	20	19.2	<input type="checkbox"/>	1	
Comments: Hydrocarbon like odor at top and bottom sections.																

Upper depth (ft): 0 Lower depth (ft): 3.3 USCS: ML PID: 1.2 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, trace fine sand, trace organics.

Upper depth (ft): 3.3 Lower depth (ft): 6.6 USCS: ML PID: 10.6 Jerome:

Sample Description: Wet, soft, black to dark gray, SILT, trace fine sand, trace organics, slight hydrocarbon like odor.

Upper depth (ft): 6.6 Lower depth (ft): 9.9 USCS: SOLW PID: 3.8 Jerome:

Sample Description: 0 to 12 inches is wet, soft, gray, SILT, trace fine sand, ML grading to Solvay, light gray to light gray green, wet, soft, silt like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, slight mothball odor.

Upper depth (ft): 9.9 Lower depth (ft): 13.2 USCS: SOLW PID: 3 Jerome:

Sample Description: Wet, soft, gray green to gray, silt like grains, trace fine sand, slight mothball odor.

# ONONDAGA LAKE PHASE II PRE-DESIGN INVESTIGATION

## Vibracore Field Log

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sampler: 1 Company: 1

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Location ID	Date	Time	Northing	Easting	Water Depth (ft)	Water Elev. (ft)	Mud Line (ft)	Matrix	Sample Type	Core Recovered	# Attempts	Penetration Depth (ft)	Recovery Depth (ft)	Refusal	PID	Jerome
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*Upper depth (ft):* 13.2    *Lower depth (ft):* 16.5    *USCS:* ML    *PID:* 1.4    *Jerome:*

*Sample Description:* Wet, soft, gray to black, SILT, bottom half of core is trace fine sand, trace clay.

*Upper depth (ft):* 16.5    *Lower depth (ft):* 19.2    *USCS:* ML    *PID:* 1.4    *Jerome:*

*Sample Description:* Wet, soft, black, SILT, some clay, trace organics throughout.

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Date: 08/08/2006

**Weather: Partly cloudy 68-75 deg F**

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0130-01/OL-0236-08	0.6		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, green discoloration at 27 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0130-02/OL-0236-07	0.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, 5 inches from bottom of core is a greenish tan discoloration, mothball odor.	Vibracore	
	OL-0130-03/OL-0236-09	0.5		SOLW	Top 4 inches is tan. Rest of core is grayish white, wet, soft, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0130-04/OL-0236-10	0.4		SOLW	Wet soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0130-05/OL-0236-11	0.4		SOLW	Wet, soft, grayish white, trace fine sand, mothball odor.	Vibracore	
19.7	OL-0130-06/OL-0236-12	0.4		CL	0 to 8 inches is wet, soft, grayish white and tan, silt-like grains. (SOLW), 8 to 15 inches is wet, soft, dark gray, silt-like grains, Solvay chunks. Rest of core is moist, very hard grading to medium stiff, gray, CLAY, some silt, low plasticity, slight sulfur odor (MARL).	Vibracore	CLAY/silt (Marl)

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10035

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118249.10

Easting: 923155.90

Mud Line: 347.0 Ft

Surface Water Depth: 15.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

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-0131-14	1.0		SOLW	0 to 19 inches is wet, soft, white, silt-like grains, 19 to 31 is dark gray, wet, very soft, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks. Rest of core is dark gray to gray, silt-like grains, trace Solvay chunks, mothball odor.	Vibracore	
5	OL-0131-15	0.6		SOLW	Wet, soft, grayish white, silt-like grains, trace organics, mothball odor.	Vibracore	
	OL-0131-16	0.8		SOLW	Wet, soft, grayish white to green, silt-like grains.	Vibracore	
10	OL-0131-17	0.6		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
	OL-0131-18	0.7		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand, mothball odor, 0.5 inch thick or smaller Solvay chunks in bottom of core.	Vibracore	
15	OL-0131-19	1.2		SOLW	0 to 31 inches is wet, soft, blue green, silt-like grains, trace fine sand, mothball odor. Rest of core is moist, medium stiff, gray, CLAY, some silt, trace shells, sulfur odor, moderate plasticity, (MARL).	Vibracore	
19.8							CLAY/silt (Marl)

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10036

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118201.60

Easting: 923262.90

Mud Line: 347.4 Ft

Surface Water Depth: 15.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

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-0132-08	0.0		SOLW	Wet, very soft to soft, gray green to grayish white, silt-like grains, trace fine sand, black discoloration at 6 and 37 inches, trace Solvay chunks within black discoloration, mothball odor.	Vibracore	
5	OL-0132-09	0.0		SOLW	Wet, very soft, grayish green, silt-like grains, trace fine sand, trace organics, black discoloration at 12 and 20 and 38 inches, mothball odor.	Vibracore	
	OL-0132-10	0.0		SOLW	Wet, very soft to soft, gray green, silt-like grains, trace fine sand in top half of core, black discoloration at 13 inches, mothball odor.	Vibracore	
10	OL-0132-11	0.0		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand, Solvay chunks throughout, mothball odor, black discoloration at 34 inches.	Vibracore	Solvay Waste
15	OL-0132-12	0.0		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand in upper portion of core, slight mothball odor.	Vibracore	
	OL-0132-13	0.0		SOLW	0 to 36 inches is wet, soft, green, silt-like grains, trace fine sand, mothball odor. Rest of core is moist medium stiff, gray, CLAY, some silt, slight sulfur odor, trace shells, (MARL).	Vibracore	
19.8							CLAY/silt (Marl)

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10036A

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118202.50

Easting: 923260.40

Mud Line: 347.4 Ft

Surface Water Depth: 15.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

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-0132-14	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, black discoloration at 31 inches, mothball odor.	Vibracore	
5	OL-0132-15	0.0		SOLW	Wet, soft, greenish gray, silt-like grains, trace fine sand, black discoloration at 16, 31, and 37 inches, Solvay chunks within discoloration, mothball odor.	Vibracore	
	OL-0132-16	0.0		SOLW	Wet, soft, grayish green, silt-like grains, some fine sand, black discoloration at 12 and 26 inches, Solvay chunks within discoloration, trace organics, slight mothball odor.	Vibracore	
10	OL-0132-17	0.0		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
15	OL-0132-18	0.0		SOLW	Wet, soft, green to grayish white, silt-like grains, trace clay, trace fine sand in upper portion of core, mothball odor.	Vibracore	
	OL-0132-19	0.0		SOLW	0 to 35 inches is wet, very soft to soft, grayish white to green, silt-like grains, trace fine sand, trace clay, mothball odor. Rest of core is moist, medium stiff, gray CLAY, some silt, trace organics, trace shells, slight sulfur odor, (MARL).	Vibracore	
19.8							CLAY/silt (Marl)

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10037

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118398.60

Easting: 923321.20

Mud Line: 344.3 Ft

Surface Water Depth: 18.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

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-0132-01/OL-0236-13	1.2		ML	Wet, very soft, dark gray to black, SILT, trace fine sand, petroleum-like odor, trace organics.	Vibracore	SILT
5	OL-0132-02/OL-0256-01	1.3		ML	0 to 28 inches is wet, soft, dark gray to gray, SILT, some black discoloration, slight petroleum-like odor. Rest of core is soft grayish green, wet, silt-like grains, trace fine sand, mothball odor, (SOLW).	Vibracore	
	OL-0132-03/OL-0256-02	2.6		SOLW	Wet, soft, grayish white to green, silt-like grains, trace fine sand, trace organics, pink discoloration in bottom of core, mothball, odor. PID reading is suspect due to re-calibration.	Vibracore	Solvay Waste
10	OL-0132-05/OL-0236-14	0.0		SOLW	Wet, very soft, grayish green, silt-like grains, trace fine sand, black discoloration at 19 and 34 inches, mothball odor. PID reading is suspect due to re-calibration.	Vibracore	
15	OL-0132-06/OL-0236-15	0.0		SOLW	Wet, soft, green to dark green, silt-like grains, trace fine sand, becomes hard at bottom 4 inches of core, mothball odor. PID reading is suspect due to re-calibration.	Vibracore	
19.8	OL-0132-07/OL-0236-16	0.0		CL	0 to 20 inches is wet, very soft, dark green, silt-like grains, trace clay, mothball odor, (SOLW). Rest of core is moist, medium stiff, gray, CLAY, some silt, moderate plasticity, sulfur odor, trace shells, (MARL). PID reading is suspect due to re-calibration.	Vibracore	CLAY/silt (Marl)

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10038

Date: 08/08/2006

Weather: Partly cloudy 68-75 deg F

Northing: 1117947.64

Easting: 923415.06

Mud Line: 361.9 Ft

Surface Water Depth: 1.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.9

Water Elev: 363.8 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0130-07/OL-0250-19	0.8		SOLW	Wet, soft, grayish white, silt-like grains, some fine sand, trace shell layer 6 inches from top of core, 1-inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0130-08/OL-0236-17	1.1		SOLW	Wet, soft, grayish white, silt-like grains, some fine sand, 1-inch thick or larger Solvay chunks throughout, trace organics, bottom 3 inches is black, fine rounded gravel and shells, petroleum-like odor and mothball odor overall.	Vibracore	
	OL-0130-09/OL-0236-18	1.1		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 9 to 12 inches is hard, black, SOLW layer, 28 to 30 inches is dark red and gray Solvay material, mothball odor.	Vibracore	
10	OL-0130-10/OL-0236-19	2.8		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
15	OL-0130-11/OL-0250-20	1.2		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 6 inches from top of core is a small isolated pin-sized NAPL globule, Solvay chunks in bottom 3 inches of core, mothball odor.	Vibracore	
	OL-0130-12/OL-0236-20	1.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor, 20 inches from top of core is a black concretion about 0.3 inches in diameter at 20 inches.	Vibracore	
18.9							

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10039

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118088.40

Easting: 923575.40

Mud Line: 351.0 Ft

Surface Water Depth: 12.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.0

Water Elev: 363.0 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0130-13	7.2		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 4 inches from top of core is small pin-sized NAPL globules, 28 inches from top of core are 0.5 inch long or smaller isolated NAPL stringers, mothball odor and slight chlorobenzene odor.	Vibracore	
5	OL-0130-14	11.3		SOLW	Wet, soft, grayish white silt-like grains, trace fine sand, trace organics, newspaper pieces present in core, yellowish tan banding throughout, mothball odor.	Vibracore	SOLVAY WASTE
	OL-0130-15	7.7		SOLW	0 to 35 inches is wet, soft, grayish white to gray, silt-like grains, trace fine sand, small pin-sized isolated NAPL globule at 4 inches from the top of core, 35 to 36 inches is dark gray, SOLW, with 1/16 inch long or smaller isolated NAPL stringers, mothball odor. Rest of core is moist, soft, gray, SILT, some fine sand, trace shells, (MARL).	Vibracore	
10	OL-0130-16	5.4		SOLW	0 to 5 inches is moist, soft, gray, SILT, some fine sand, trace shells, slight petroleum-like odor, 5 to 13 inches is light gray, wet, soft, silt, 13 to 25 inches is dark gray, wet, soft, SILT, trace fine sand, trace organics, black discoloration, petroleum-like odor.	Vibracore	SILT
15	OL-0130-17	5.1		SOLW	Wet, soft, grayish white to gray to pink, silt-like grains, trace fine sand trace organics, more clay-like toward bottom of core. Mothball odor.	Vibracore	SOLVAY WASTE
18.0	OL-0130-18	1.1		SOLW	Wet, soft, grayish white silt-like grains, trace fine sand, black coal-like fragments at bottom 1 inches of core, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10040

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1118351.90

Easting: 923587.30

Mud Line: 349.7 Ft

Surface Water Depth: 12.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

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-0133-01/OL-0237-01	5.4		ML	0 to 26 inches is Wet, soft, gray to dark gray, SILT, petroleum-like odor, black discoloration at 17 inches. Rest of core is dark gray to gray green, soft, wet, silt-like grains, trace fine sand, small pin-sized isolated NAPL globules at 33 inches, mothball odor, petroleum-like odor.	Vibracore	SILT
5	OL-0133-02/OL-0237-02	0.0		SOLW	Wet, soft, blue green to gray green, silt-like grains, trace fine sand, trace clay in the bottom 4 inches of core, small pin-sized isolated NAPL globules at 11 inches and 37 inches, mothball odor.	Vibracore	
	OL-0133-03/OL-0250-17	0.0		SOLW	Wet, soft, dark green to light gray green, silt-like grains, trace fine sand, Solvay chunks throughout, black discoloration at 8 and 37 inches, mothball odor.	Vibracore	
10	OL-0133-04/OL-0250-18	13.4		SOLW	Wet, soft grayish white to gray, silt-like grains, trace fine sand, black discoloration at 10 and 30 inches, mothball odor.	Vibracore	Solvay Waste
15		10.2		SOLW	Wet, soft, greenish gray to gray to black, silt-like grains, little fine sand, black discoloration at 4 inches 19 inches and 27 inches, black from 35 inches to bottom of core, coal-like fragments at bottom of core, petroleum-like odor and mothball odor.	Vibracore	
		0.0		SOLW	0 to 10 inches is wet, soft, black, silt-like grains, trace fine sand, Solvay chunks throughout, petroleum-like odor. Rest of core is wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, slight petroleum-like odor and mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10041

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1117900.70

Easting: 923642.10

Mud Line: 361.3 Ft

Surface Water Depth: 1.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Water Elev: 362.8 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0131-01	15.8		SOLW	0 to 16 inches is wet, gray, hard, .5 inch to 1.0 inch thick or larger Solvay chunks, some fine sand, mothball odor. Rest of core is wet, soft, grayish white silt-like grains, trace fine sand, red discoloration at bottom of core, mothball odor.	Vibracore	
5	OL-0131-02	0.9		SOLW	Wet, soft, grayish white, silt-like grains, 1/16 inch thick fine sand lenses throughout, light brown bands in bottom half of core, mothball odor.	Vibracore	
	OL-0131-03	0.9		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, thin, black fine grained sand lenses throughout, mothball odor.	Vibracore	
10	OL-0131-04	0.8		SOLW	Wet, soft, grayish white, silt-like grains, brown discoloration at 30 inches from top of core, mothball odor.	Vibracore	Solvay Waste
15	OL-0131-05	0.7		SOLW	Moist, soft, grayish white, silt-like grains, with trace fine sand, brown discoloration throughout, mothball odor.	Vibracore	
19.7	OL-0131-06	0.9		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, brown discoloration throughout, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10041A

Date: 08/09/2006

Weather: Partly cloudy 67-79 deg F

Northing: 1117900.00

Easting: 923643.90

Mud Line: 361.3 Ft

Surface Water Depth: 1.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.7 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0131-07	13.6		SOLW	0 to 22 inches is wet, soft, grayish white, silt-like grains, some fine sand, isolated NAPL stingers 0.5 inch long or smaller at 6 inches from top of core. Rest of core is wet, medium stiff to soft, grayish white, silt-like grains, trace fine sand, trace organics, black, fine sand at bottom of core.	Vibracore	
5	OL-0131-09	2.8		SOLW	0 to 10 inches is wet, soft, light green, silt-like grains, little black fine sand, fine subrounded gravel throughout. Rest of core is white, to grayish white, wet, medium stiff to soft, silt-like grains, trace organics, mothball odor.	Vibracore	
	OL-0131-10	1.3		SOLW	0 to 13 inches is wet, soft to very hard, grayish white, silt-like grains, little clay, trace fine sand. Rest of core is wet, soft, silt-like grains, mothball odor.	Vibracore	
10	OL-0131-13	1.1		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, trace fine sand, trace clay, mothball odor, 2 inch thick fine to medium grained sand seam with trace shells at 16 inches from top of the core, mothball odor.	Vibracore	Solvay Waste
15	OL-0131-11	1.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor, more clay-like toward the bottom.	Vibracore	
	OL-0131-12	0.7		SOLW	Moist, soft, grayish white, silt-like grains, trace fine sand, trace clay, mothball odor, brown discoloration at 1 inch, 14 inches, 34 inches, and 41 inches.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10042

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118505.00

Easting: 923697.10

Mud Line: 338.7 Ft

Surface Water Depth: 23.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

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-0133-07	0.8		SOLW	Wet, very soft, dark gray to gray, silt-like grains, trace fine sand, black discoloration throughout, 0.5 inch long or smaller isolated NAPL stringers at 34 inches from top of core, petroleum-like odor and slight mothball odor.	Vibracore	
5	OL-0133-08	5.2		SOLW	Wet, very soft, dark gray to blue green to blueish white,, silt-like grains, trace fine sand, trace organics, 0.5 inch thick or smaller Solvay chunks throughout, petroleum-like odor and mothball odor.	Vibracore	
	OL-0133-09	11.0		SOLW	Wet, soft, grayish white to gray green, silt-like grains, trace fine sand, black discoloration at 23 inches, mothball odor.	Vibracore	
10	OL-0133-10	16.2		SOLW	Wet, soft, blue green to gray green, silt-like grains, trace fine sand in upper portion of core, black discoloration at 34 inches, small pin-sized isolated NAPL globules at 12 and 37 inches, mothball odor.	Vibracore	Solvay Waste
15	OL-0133-11	6.1		SOLW	Wet, soft, blue green to grayish white, silt-like grains, trace fine sand, black discoloration at 14 inches, with a 1/4 inch thick NAPL seam at 25 inches, mothball odor.	Vibracore	
	OL-0133-12	3.2		SOLW	Wet, soft, grayish green to gray, silt-like grains, trace fine sand, black discoloration throughout, small pin-sized isolated NAPL globule at 33 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



# Honeywell

Site: Onondaga Lake (Syracuse NY)

Date: 08/10/2006

**Weather: Mostly cloudy 70-81 deg F**

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0133-13	0.3		ML	0 to 34 inches is wet, very soft, black, SILT, little fine sand, petroleum-like odor, trace organics, trace slag. Rest of core is gray green, silt-like grains, trace fine sand, petroleum-like odor, (SOLW).	Vibracore	SILT
5	OL-0133-14	4.3		SOLW	Wet, very soft, gray, silt-like grains, trace fine sand, black discoloration throughout, small pin-sized isolated NAPL globules at 26 inches and 17 inches, trace organics, petroleum-like odor and mothball odor.	Vibracore	Solvay Waste
	OL-0133-15	6.1		SOLW	Wet, very soft, dark gray to gray green, silt-like grains, trace fine sand, small pin-sized isolated NAPL globules at 6 inches, 20 inches, and 36 inches mothball odor.	Vibracore	
10	OL-0133-16	2.8		SOLW	Wet, very soft, gray green silt-like grains, trace fine sand, black discoloration at 11 inches, small pin-sized isolated NAPL globules at 37 inches, mothball odor.	Vibracore	
15	OL-0133-18	21.0		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, black discoloration at 13 inches and 28 inches, 1/4 inch thick NAPL seam at 28 inches, isolated pin-sized NAPL globules at 8 inches, 18 inches, and 23 inches, mothball odor.	Vibracore	
	OL-0133-19	2.1		SOLW	Wet, soft, grayish white to gray green, silt-like grains, trace fine sand, black discoloration at 5 inches and 38 inches, very small pin-sized isolated NAPL globules at 5 inches, 15 inches, 29, and 31 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10043

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118496.60

Easting: 923946.70

Mud Line: 338.6 Ft

Surface Water Depth: 24.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.6

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-0134-07	8.6		SOLW	Wet, soft, gray green, silt-like grains, black sand-like grains in top foot of core, black discoloration throughout, 0.5 inch long or smaller isolated NAPL stringer at 27 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0134-09	1.3		SOLW	0 to 13 inches is wet, soft, light green, silt-like grains, trace fine sand, 13 to 17 inches is black, silt-like grains, 0.5 inch thick or smaller Solvay chunks throughout, slight petroleum-like odor. Rest of core is gray green to grayish white, silt-like grains, trace fine sand, fine black sand throughout, mothball odor.	Vibracore	
	OL-0145-03/OL-0134-10	6.0		SOLW	0 to 31 inches is gray to dark gray, silt-like grains, trace fine sand, small isolated pin-sized NAPL globules at 13 inches and 22 inches. Rest of core is green, silt-like grains, trace fine sand, mothball odor, and slight petroleum-like odor.	Vibracore	
10	OL-0145-04/OL-0134-11	1.1		SOLW	Wet, very soft to soft, gray green, silt-like grains, trace sand, black discoloration at 21 inches, mothball odor.	Vibracore	
15	OL-0134-12	4.3		SOLW	0 to 22 inches is wet, very soft, gray green, silt-like grains, trace sand, isolated pin-sized NAPL globule at 3 inches, 0.5 inch long NAPL stringers at 8 inches and 9 inches, black discoloration at 17 inches. Rest of core is light green to dark gray, mothball odor overall.	Vibracore	
	OL-0134-13	16.8		SOLW	0 to 14 inches green to gray, silt-like grains, trace fine sand, small pin-sized isolated NAPL globules at 12 and 14 inches, 14 to 18 inches is black, silt-like grains, little fine sand, 0.5 inch thick or smaller Solvay chunks, petroleum-like odor. Rest of core is gray green, silt-like grains, little to trace fine sand, Moth ball odor and slight petroleum-like odor.	Vibracore	
19.6							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10044

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118365.50

Easting: 923964.80

Mud Line: 349.8 Ft

Surface Water Depth: 12.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.0

Water Elev: 362.6 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0134-01	1.3		SOLW	Wet, soft, grayish white to gray, silt-like grains, trace fine sand, small pin-sized isolated NAPL globules at 17, 20, 29, 32, and 36 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0134-02	33.8		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, small isolated pin size NAPL globules at 1 inch, 11 inches, 21 inches, and 25 inches, mothball odor.	Vibracore	
	OL-0134-03	4.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, trace clay, black discoloration at 11 inches and 17 inches, small pin-sized isolated NAPL globules at 7 inches, 15 inches, 18 inches, 26 inches, and 33 inches, mothball odor.	Vibracore	
10	OL-0134-04	7.2		SOLW	0 to 19 inches is wet, soft, blue green and gray banded, silt-like grains, little fine sand, 0.5 inch long or smaller NAPL stringers throughout, 19 to 26 inches is green, silt-like grains, trace fine sand, small isolated 0.5 inch long NAPL stringers. Rest of core is dark gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, 1 small pin-sized NAPL globules at 38 inches, mothball odor.	Vibracore	
15	OL-0134-05	2.9		SOLW	Wet, soft, grayish white to gray green, silt-like grains, little fine sand, dark gray discoloration at 7 inches, light brown discoloration at 16 inches, mothball odor.	Vibracore	
	OL-0134-06	4.9		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, black discoloration at 8 inches and 24 inches, 0.5 inch long or smaller isolated NAPL stringers at 10 inches and 14 inches, small pin-sized NAPL globules at 27 inches, mothball odor.	Vibracore	
19.0							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10046

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118047.30

Easting: 924008.60

Mud Line: 359.6 Ft

Surface Water Depth: 2.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Water Elev: 362.2 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0135-01/OL-0237-03	6.2		SOLW	Wet, soft, grayish white, silt-like grains and fine sand, fine black sand grains throughout, many 1-inch thick or larger hard Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0135-02/OL-0250-15	29.9		SOLW	Wet, soft, grayish white, silt-like grains, some fine sand, black discoloration laminated throughout, small isolated 0.5 inch long or smaller NAPL stringers at 15 inches, 21 inches, 24 inches, 27 inches, and 29 inches, mothball odor.	Vibracore	
	OL-0135-03/OL-0237-04	6.7		SOLW	Wet, soft, gray green to grayish white, silt-like grains, little to trace fine sand, 1-inch thick or larger Solvay discoloration, chunks in top foot of core, black at 34 inches, mothball odor.	Vibracore	
10	OL-0135-04/OL-0237-05	2.8		SOLW	0 to 23 inches is wet, soft, light green, silt-like grains, trace fine sand, 0.5 inch or larger Solvay chunks in top of core, black discoloration at 23 inches. Rest of core is wet, soft, dark gray, silt-like grains, Solvay chunks throughout, petroleum-like odor, brown discoloration at 39 inches.	Vibracore	
15	OL-0135-05/OL-0237-06	15.8		SOLW	Wet, soft grayish white silt-like grains, some clay, trace fine sand in top foot of core, brown discoloration at 12 inches, mothball odor.	Vibracore	
	OL-0135-06/OL-0250-16	31.8		SOLW	Wet, medium stiff, grayish white, silt-like grains, some clay, trace fine sand, black discoloration at 27 inches, bottom 4 inches has dark gray discoloration moth ball odor.	Vibracore	
19.2							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10046A

Date: 08/10/2006

Weather: Mostly cloudy 70-81 deg F

Northing: 1118045.00

Easting: 924010.70

Mud Line: 360.0 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.1

Water Elev: 362.5 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0135-07	3.8		SOLW	0 to 25 inches is wet, loose, gray green, fine grain sand and Solvay waste, trace fine sub rounded gravel, trace organics. Rest of core is wet, hard, laminated grayish white silt-like grains, some black fine sand, moth ball odor.	Vibracore	Solvay Waste
5	OL-0135-08	51.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, hard 0.5 inch thick to 1.0 inch thick Solvay chunks throughout, small lenses of NAPL 1/16 of an inch thick, at 4 inches, 7 inches, 20 inches, 28 inches, NAPL lenses include wood-like organics, mothball odor.	Vibracore	
	OL-0135-09	4.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand in top foot of core, black discoloration at 17 inches, trace fine black sand from 17 to 20 inches, Mothball odor.	Vibracore	
10	OL-0135-10	10.2		SOLW	0 to 13 inches wet, soft, green to gray, silt-like grains, little clay, trace fine sand, black discoloration at 3 inches, 13 to 16 inches is black silt-like grains, some wood fragments, petroleum-like odor. Rest of core is gray green to tan, silt-like grains, some clay, trace fine sand, black discoloration at 32 inches, mothball odor.	Vibracore	
15	OL-0135-11	11.2		SOLW	Wet, soft, grayish white to tan silt-like grains, some clay, trace fine sand, trace organics, dark tan discoloration at 37 inches, mothball odor.	Vibracore	
18.1	OL-0135-12	5.1		SOLW	Wet, soft, grayish white to gray, silt-like grains, some clay, black discoloration at 5 inches and 15 inches, trace organics, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10047

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118465.20

Easting: 924146.40

Mud Line: 339.7 Ft

Surface Water Depth: 22.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0138-01/OL-0237-07	6.1		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, medium grain sand lens at 11 inches, trace organics, slight sulfur and mothball odor.	Vibracore	
5	OL-0138-02/OL-0250-13	9.0		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, trace clay in bottom 3 inches of core, black discoloration at 22 inches, mothball odor.	Vibracore	
	OL-0138-03/OL-0250-14	10.9		SOLW	0 to 13 inches is wet, very soft, gray white, silt-like grains, some black fine sand, 13 to 15 inches is black discoloration, heavy petroleum-like odor, trace organics. Rest of core is wet, very soft, slight green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0138-04/OL-0237-08	18.2		SOLW	Wet, soft, gray green, with black discoloration throughout, silt-like grains, trace clay, trace organic fibers, brown wood-like organics at 22 inches, 27 inches, and 37 inches, with small isolated pin-sized NAPL globules, 0.5 inch thick or smaller Solvay chunks, mothball odor.	Vibracore	Solvay Waste
15	OL-0138-05/OL-0237-09	22.7		SOLW	Wet, soft, gray green to gray, silt-like grains, trace fine sand, trace clay, black discoloration at 21 inches, small isolated pin-sized NAPL globules at 4 to 18 inches and at 11 inches, 0.5 inch thick or smaller Solvay chunks throughout, petroleum-like odor.	Vibracore	
	OL-0138-06/OL-0237-10	7.3		SOLW	Wet, soft, blue green to dark gray, silt-like grains, trace clay, black discoloration from 36 inches to 40 inches, trace organics, slight mothball odor, petroleum-like odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10048

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118168.80

Easting: 924158.40

Mud Line: 360.0 Ft

Surface Water Depth: 2.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.7

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-0135-13	6.1		SOLW	Wet, soft, grayish white to gray, silt-like grains, some fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor, one small, pin sized isolated NAPL globule at 38 inches.	Vibracore	Solvay Waste
5	OL-0135-14	4.1		SOLW	Wet, soft, gray to grayish, silt-like grains, trace fine sand, hard 1-inch thick or larger Solvay chunks throughout, small pin size isolated NAPL globules at 6 inches, 11 inches, 23 inches, and 26 inches, large NAPL globule about 1/4 inch in diameter at 34 inches, mothball odor.	Vibracore	
	OL-0135-16	6.2		SOLW	Wet, soft, gray silt-like grains, trace fine sand, trace clay, thin Solvay chunks throughout, black discoloration at 30 inches, brown discoloration at 10 inches, mothball odor.	Vibracore	
10	OL-0135-18	6.0		SOLW	Wet, soft, gray to blue green, silt-like grains, trace fine sand, trace clay, black discoloration at 10 inches, 17 inches, and 29 inches, small, isolated NAPL stringers at 6 inches, 7 inches, and 19 inches, small isolated pin size NAPL globule at 8 inches, mothball odor.	Vibracore	
15	OL-0135-17	6.0		SOLW	Wet soft, blue green to green to dark gray, silt-like grains, trace fine sand, black discoloration at 8 inches, 10 inches, 23 inches, and 30 inches, very small pin size isolated NAPL globules at 13 inches, 15 inches, 19 inches, 24 inches, 38 inches, 0.5 inch thick or smaller Solvay chunks, mothball odor.	Vibracore	
	OL-0135-19	7.5		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, hard Solvay chunks in bottom half of core, black discoloration at 7 inches and 35 inches, isolated 0.5 inch long or smaller NAPL stringers at 14 inches, 26 inches, and from 34 inches to 37 inches, Fine black sand in bottom foot of core, mothball odor.	Vibracore	
19.7							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10048A

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118168.30

Easting: 924160.50

Mud Line: 360.0 Ft

Surface Water Depth: 2.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.9

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-0136-01	7.5		SOLW	Wet, medium stiff to soft, grayish white to green, silt-like grains, some fine sand, shells at top 3 inches of core, black discoloration at 13 inches, 18 inches, 24 inches, 32 inches, 1/16 inch thick lenses of fine black sand throughout, small isolated pin-sized NAPL globule at 38 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0136-02	7.5		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 0.5 inch long isolated NAPL stringers at 6 inches, 14 inches, 21 inches, 26 inches, 33 inches, small pin-sized isolated NAPL globules at 19 inches, 37 inches, mothball odor.	Vibracore	
	OL-0136-03	6.9		SOLW	Wet, soft, gray to blue green to gray, silt-like grains, little fine sand, trace organics, small pin size isolated NAPL globules at 3 inches, 25 inches, and 37 inches, 0.5 inch thick or smaller Solvay chunks in bottom of core, mothball odor.	Vibracore	
10	OL-0136-04	2.9		SOLW	Wet, soft, gray green to blue green, silt-like grains, trace fine sand, black discoloration at 6 inches, 12 inches, 16 inches, 35 inches and 38 inches, trace organics, small isolated pin-sized NAPL globule at 5 inches and 8 inches mothball odor.	Vibracore	
15	OL-0136-05	6.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, black discoloration at 7 inches, 19 inches to 25 inches, and 32 inches, small pin-sized isolated NAPL globules at 37 inches mothball odor.	Vibracore	
17.9	OL-0136-06	6.2		SOLW	Wet, soft, grayish white, silt-like grains, black fine sand throughout, small pin-sized isolated NAPL globules at 6 inches, 8 inches, 12 inches, 14 inches, and 18 inches, 1-inch thick or larger Solvay chunks at 10 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.



Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-VC-10049**

Date: 08/16/2006

**Weather: Mostly cloudy 69-78 deg F**



**Northing: 1117989.70**

Easting: 924167.40

**Mud Line: 360.7 Ft**

**Surface Water Depth: 1.8 Ft**

**Drilling Company: Ocean Survey Inc**

**Logging Company: Parsons**

**Geologist: SARA CHMURA**

Penetration Depth: 20.0

**Core Recovery Depth: 19.6**

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0147-07	0.0		SOLW	Wet, loose, dark gray to grayish white, silt-like grains and gravel, 0.5 inch thick or smaller Solvay chunks, top 2 inches is fine sand and shells, brown discoloration at 30 inches, slight petroleum-like odor in top 23 inches of core. Rest of core has mothball odor.	Vibracore	Solvay Waste
5	OL-0147-08	0.0		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, some black fine sand, trace organics, light brown discoloration at bottom of core, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0147-09	34.2		SOLW	Top 22 inches wet, soft, grayish white, silt-like grains, some black fine sand, small tan discolorations that are 1/16 of an inch thick at 6 inches, 8 inches, 13 inches, and 15 inches, mothball odor. Rest of core is wet, loose, black, poorly sorted GRAVEL and black fine SAND, trace BRICK fragments, petroleum-like odor.	Vibracore	
10	OL-0147-10	33.1		SOLW	Wet, soft, dark gray to gray with black discoloration throughout, silt-like grains, some clay, brown organics at 14 inches and 35 inches, more clay-like at bottom of core, low plasticity, petroleum-like odor.	Vibracore	
15	OL-0147-12	0.0		SOLW	Wet, soft, gray silt-like grains, some clay, trace fine sand, dark gray discoloration at 22 and 37, mothball odor.	Vibracore	
	OL-0147-13	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace clay, brown organics at 32 inches, mothball odor.	Vibracore	
19.6							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10049A

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117991.00

Easting: 924167.80

Mud Line: 360.7 Ft

Surface Water Depth: 1.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0147-14	2.0		SOLW	Top 4 inches is wet, loose, gray fine sand. Wet, hard, gray, Solvay chunks about an inch in width and length, some gray silt, some fine sand, mothball odor.	Vibracore	Solvay Waste
5	OL-0147-15	13.4		SOLW	Wet, hard to medium stiff, grayish white, silt-like grains, some black fine sand, dark gray discoloration at 11.5 inches, small 1/8 inch thick black sand lens at 27.5 inches, tan discoloration at 34 inches and 38 inches, mothball odor.	Vibracore	
	OL-0147-16	15.8		SOLW	Wet, soft to medium stiff, gray, silt-like grains, some black fine sand, tan discoloration at 8 inches, 14 inches, 16 inches, and 20 inches, bottom 5 inches is black, poorly sorted GRAVEL and fine SAND, mothball odor.	Vibracore	
10	OL-0147-17	68.2		SOLW	0 to 5 inches is wet, loose, black, poorly sorted GRAVEL and fine SAND, trace silt, trace organics, petroleum-like odor. Rest of core is wet, soft, gray to dark gray, silt-like grains, some clay, trace organics, petroleum-like odor to slight mothball-like odor.	Vibracore	
15	OL-0147-18	14.4		SOLW	0 to 11 inches is moist, hard, tan, silt-like grains, trace fine sand, some organics. Rest of core is wet, very soft, silt-like grains, trace clay, trace organics, brown discoloration from 26 inches to 28 inches, mothball odor.	Vibracore	
	OL-0147-19	9.1		SOLW	Wet, soft, grayish white to tan, silt-like grains, trace fine sand, brown organics at 17 inches and 33 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-VC-10050**

Date: 08/24/2006

**Weather:** Scattered clouds 68-77 deg F



**Northing: 1117816.40**

Easting: 925985.10

**Mud Line: 346.6 Ft**

**Surface Water Depth: 15.8 Ft**

**Drilling Company: Ocean Survey Inc**

**Logging Company: Parsons**

**Geologist: SARA CHMURA**

Penetration Depth: 20.0

**Core Recovery Depth: 19.4**

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0173-01	4.0		ML	Wet, soft, dark gray to black, SILT, trace clay, trace fine sand, petroleum-like odor, hydrocarbon-like odor, trace organics.	Vibracore	SILT
5	OL-0173-02	13.8		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
	OL-0173-03	21.1		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, one 0.5 inch long NAPL stringer at 11 inches, mothball odor.	Vibracore	
10	OL-0173-04	9.5		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, light brown organics at 8 inches, mothball odor.	Vibracore	
15	OL-0173-05	2.5		SOLW	Wet, soft, green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0173-06	4.3		SOLW	Wet, soft, green, silt-like grains, trace fine sand, black discoloration at 16 inches, 25 inches, mothball odor.	Vibracore	
19.4							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10051

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117854.70

Easting: 926006.90

Mud Line: 346.2 Ft

Surface Water Depth: 16.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0172-14	8.6		ML	Wet, soft, black to dark gray, SILT, trace clay, some fine sand, small pin-sized NAPL globules from 26 to 36 inches, strong petroleum-like odor.	Vibracore	SILT
5	OL-0172-15	5.7		ML	Wet, soft, black to gray, SILT, trace clay, trace fine sand, strong hydrocarbon-like odor.	Vibracore	
	OL-0172-16	11.7		SOLW	Wet, soft, gray, silt-like grains, mothball odor.	Vibracore	Solvay Waste
10	OL-0172-17	10.2		SOLW	Wet, soft, gray, silt-like grains, mothball odor.	Vibracore	
15	OL-0172-18	9.4		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, trace organics, dark gray discoloration from 35 to 27 inches, mothball odor.	Vibracore	
19.8	OL-0172-19	6.5		SOLW	Wet, soft, green to bright green, silt-like grains, trace fine sand, black discoloration at 8 and 31 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

# Honeywell

**Weather:** Scattered clouds 68-77 deg F

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0172-07	9.6		ML	Wet, soft, black to dark gray, SILT, trace fine sand, trace organics, hydrocarbon-like odor, small isolated pin-sized NAPL globule at 15 and 31 inches.	Vibracore	SILT
5	OL-0172-08	22.3		SOLW	0 to 20 inches is wet, soft, black to dark gray, SILT, trace clay, trace fine sand, hydrocarbon-like odor and slight petroleum-like odor. Rest of core is wet, soft, gray green, silt-like grains, slight hydrocarbon odor and mothball odor.	Vibracore	
	OL-0172-09	16.9		SOLW	Wet, soft, grayish white, silt-like grains, some to trace fine sand, slight hydrocarbon odor and mothball odor.	Vibracore	Solvay Waste
10	OL-0172-10	2.2		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0172-12	12.5		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, trace organics, dark gray discoloration at 10.5 inches, mothball odor.	Vibracore	
19.8	OL-0172-13	7.7		SOLW	Wet, soft, green, silt-like grains, trace fine sand, trace organics, black discoloration at 11 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10053

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117722.00

Easting: 924313.00

Mud Line: 361.0 Ft

Surface Water Depth: 1.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0148-01	0.0		SOLW	Top 3 inches is wet, loose, poorly sorted GRAVEL and 0.5 inch thick or smaller Solvay chunks. Rest of core is wet, soft, gray, silt-like grains, black fine sand, 1 inch thick Solvay chunks throughout, dark gray, hard clay-like grains from 30 inches to 35 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0148-02	1.9		SOLW	Wet, medium stiff to soft, tan to dark gray, silt-like grains, trace fine sand, trace clay, brown organics at 23 inches and 6 inches, with small Solvay chunks in bottom inch of core, mothball odor.	Vibracore	
	OL-0148-03	2.2		SOLW	0 to 16 inches is moist, hard, dark gray to gray, silt-like grains, some clay, slight petroleum-like odor. Rest of core is wet, soft to medium stiff, grayish white, silt-like grains, mothball odor.	Vibracore	
10	OL-0148-04	0.0		SOLW	Wet, soft, top 3 inches is bright green. Rest of core is grayish white with pink discoloration throughout, silt-like grains, mothball odor.	Vibracore	
15	OL-0148-05	0.0		SOLW	Wet, soft, grayish white with pink discoloration in the top 4 inches and 9 inches to 11 inches, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0148-06	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
19.2							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10053A

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117723.80

Easting: 924313.30

Mud Line: 361.0 Ft

Surface Water Depth: 1.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0148-07	6.8		SOLW	Wet, medium stiff, gray to dark gray, silt-like grains, some black fine sand, trace organics, mothball odor.	Vibracore	Solvay Waste
5	OL-0148-08	60.2		SOLW	Wet, soft, tan to gray, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	
	OL-0148-09	10.2		SOLW	Wet, soft, grayish white to dark gray, silt-like grains, trace organics, small Solvay chunks throughout, petroleum-like odor in dark gray areas, mothball odor overall.	Vibracore	
10	OL-0148-11	4.2		SOLW	0 to 7 inches is moist, hard, grayish white, silt-like grains, some clay, moderate plasticity. Rest of core is grayish white with pink discoloration, dark gray discoloration 18 inches to 25 inches, mothball odor.	Vibracore	
15	OL-0148-12	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, gray pink discoloration throughout, mothball odor.	Vibracore	
	OL-0148-13	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10054

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1117823.80

Easting: 924273.20

Mud Line: 361.2 Ft

Surface Water Depth: 1.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.8

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-0136-13/OL-0237-15	1.1		SOLW	Wet, loose, gray to dark gray, fine SAND and SOLW, trace organic in top of core, fine to medium grain sand from 35 inches to 38 inches, mothball odor and slight petroleum-like odor.	Vibracore	Solvay Waste
5	OL-0136-14/OL-0237-16	1.6		SOLW	Wet, soft, dark gray to gray silt-like grains, black well sorted fine sand lenses throughout, trace of organics, petroleum-like odor.	Vibracore	
	OL-0136-16/OL-0250-11	15.0		ML	0 to 23 inches is wet, soft, gray SILT with black discoloration, organics throughout, heavy petroleum-like odor, black fine sand lens at 15 inches. Rest of core is tan, wet, soft, silt-like grains, some clay, trace fine sand, brown organics at 28 inches, mothball odor.	Vibracore	SILT
10	OL-0136-17/OL-0250-12	4.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand in top half core, mothball odor.	Vibracore	Solvay Waste
15	OL-0136-18/OL-0237-17	0.8		SOLW	0 to 15 inches is wet, soft, grayish white, silt-like grains, little clay, mothball odor. 15 inches to 32 inches is gray green to dark gray, silt-like grains, trace fine sand, trace clay, 0.5 inch thick or smaller Solvay chunks throughout. Rest of core is wet medium stiff, gray, silt-like grains, some clay, slight petroleum-like odor.	Vibracore	
18.8	OL-0136-19/OL-0237-18	1.1		SOLW	0 to 15 is wet, soft, gray, silt-like grains, trace fine sand, trace clay, slight petroleum-like odor. Rest of core is dark gray, silt-like grains, black discoloration at 5 inches, trace organics, 0.5 inch thick or smaller Solvay chunks throughout bottom of core, slight petroleum-like odor.	Vibracore	

Null field readings indicate a reading of 0 or not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10055

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118435.40

Easting: 924347.90

Mud Line: 341.4 Ft

Surface Water Depth: 21.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.9

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-0137-01	4.9		SOLW	Wet, very soft to soft, gray green, silt-like grains, trace fine sand, black discoloration at 19 inches, 29 inches, and 35 inches, trace organics, light gray, fine sand seam at 34 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0137-02	2.2		SOLW	Wet, soft, green to blue green, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0137-03	2.6		SOLW	Wet, soft, gray green, silt-like grains and GRAVEL and fine SAND, trace organics, dark gray discoloration, at 17 inches, 29 inches, and 33 inches, less than 0.5 inch long NAPL stringers at 10 and 12 inches, small pin-sized isolated NAPL globules at 21 inches, mothball odor.	Vibracore	
10	OL-0137-04	0.0		SOLW	Wet, very soft to soft, gray green, silt-like grains, gravel fine sand in bottom half of core, black discoloration from 36 inches to 37.5 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor, and slight petroleum-like odor in bottom of core.	Vibracore	
15	OL-0137-05	0.1		SOLW	Wet, soft light green to gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0137-06	0.7		SOLW	0 to 8 inches is wet, soft, light gray, silt-like grains, mothball odor. Rest of core is gray green and blue green, silt-like grains, trace clay, mothball odor.	Vibracore	
18.9							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10056

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118096.50

Easting: 924315.80

Mud Line: 359.6 Ft

Surface Water Depth: 3.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Water Elev: 362.6 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0136-07	4.2		SOLW	Wet, soft, grayish white to gray, silt-like grains, trace fine sand, black discoloration at top of core and at 14 inches and at bottom of core, isolated less than 0.5 inch long NAPL stringer at 11 inches.	Vibracore	Solvay Waste
5	OL-0136-08	3.2		SOLW	Wet, soft, grayish white to dark gray, silt-like grains, little fine sand, tan discoloration at 4 inches, black discoloration from 22 inches to 29 inches, less than 0.5 inch long NAPL stringers throughout core, slight petroleum-like odor, and mothball odor, isolated pin-sized NAPL globules at 34 inches and 37 inches.	Vibracore	
	OL-0136-09	3.4		SOLW	Wet, soft, gray to dark gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, small isolated NAPL globules at 11 inches, 17 inches, 22 inches, mothball odor.	Vibracore	
10	OL-0136-10	0.8		SOLW	Wet, soft, gray to blue green, silt-like grains, trace fine sand in upper half of core, trace organics, black discoloration at 7 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
15	OL-0136-11	4.4		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, small pin size isolated NAPL globules at 26 inches to 29 inches, mothball odor.	Vibracore	
	OL-0136-12	4.9		SOLW	Wet, soft, grayish white blue green, silt-like grains, trace clay, brown discoloration from 7 to 11 inches, small pin-sized isolated NAPL globules at 30 inches, slight petroleum-like odor in bottom half of core.	Vibracore	
19.2							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10057

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118236.30

Easting: 924432.40

Mud Line: 353.9 Ft

Surface Water Depth: 8.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.5

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0138-07/OL-0237-11	10.7		SOLW	Wet, soft, grayish white, silt-like grains, little fine sand, black discoloration at 22 inches, 1-inch thick or larger hard Solvay chunks at bottom 9 inches of core, mothball odor.	Vibracore	
5	OL-0138-08/OL-0250-09	36.4		SOLW	Wet, hard, silt-like grains, some fine grained black sand throughout, small tan colored sand lenses 1/16 of an inch throughout, strong mothball odor.	Vibracore	
	OL-0138-09/OL-0237-12	5.6		SOLW	Wet, medium stiff to soft, silt-like grains, some fine grain black sand throughout, mothball odor.	Vibracore	
10	OL-0138-10/OL-0250-10	3.9		SOLW	Wet, soft bluish green, silt-like grains, fine sand, black discoloration at 29 inches, mothball odor.	Vibracore	Solvay Waste
15	OL-0138-11/OL-0237-14	5.9		SOLW	Wet, soft, blue green to gray green, silt-like grains, some black fine grained sand throughout, black discoloration at 29 and 33 inches, 0.5 inch thick or smaller Solvay chunks within discoloration, small 1/16 of an inch sand lens at 18 inches, trace organics in bottom of core, mothball odor.	Vibracore	
19.5	OL-0138-12/OL-0237-13	3.8		SOLW	Wet, soft, light green, silt-like grains, some black fine sand throughout, black discoloration at 4 inches and 32 inches, brown wood-like organics at 18 and 30 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10057A

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1118237.80

Easting: 924433.90

Mud Line: 353.9 Ft

Surface Water Depth: 8.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0138-13	100.0		SOLW	Wet, soft, grayish white, silt-like grains, little black fine sand throughout, tan discoloration at 31 inches, 1-inch thick or larger, hard Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0138-14	65.0		SOLW	Wet, medium stiff to soft, silt-like grain, black fine sand throughout, tan discoloration at 10 inches, 17 inches, and 23 inches, black, fine to medium sand lens 1/4 of an inch thick at 38 inches, tan discoloration at 37 inches, mothball odor.	Vibracore	
	OL-0138-16	5.0		SOLW	Wet, medium stiff to soft, silt-like grains, trace fine sand in top half of core, dark gray discoloration at 37 inches, mothball odor.	Vibracore	
10	OL-0138-17	9.9		SOLW	Wet, soft, blue green to gray green, silt-like grains, trace fine sand, trace organics, black discoloration at 1.5 inches from top of core, mothball odor.	Vibracore	
15	OL-0138-18	6.5		SOLW	Wet, very soft, gray green to grayish white, silt-like grains, black discoloration at 10, 12, and 37 inches, mothball odor.	Vibracore	
	OL-0138-19	6.0		SOLW	Wet, soft, gray green to light green, silt-like grains, trace clay at bottom half of core, fine to medium grained black sand lens 1/8 of an inch thick at 14 and 16 inches, brown discoloration at 14 inches.	Vibracore	
19.7							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10058

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117838.00

Easting: 924442.80

Mud Line: 358.3 Ft

Surface Water Depth: 4.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 20.0

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0141-01	1.8		SOLW	Wet, soft, dark gray to gray, silt-like grains, black, fine SAND, trace organics, brown discoloration at 27 and 35 inches, mothball odor and slight petroleum-like odor.	Vibracore	
5	OL-0141-02	0.7		SOLW	Wet, soft, gray, silt-like grains, some fine sand, trace clay, black to blue green discoloration from 24-28 inches, trace organics, mothball odor.	Vibracore	
	OL-0141-03	1.9		SOLW	Wet, medium stiff to soft, silt-like grains, trace fine sand, brown organics at 20 inches, and 34 inches, black discoloration at 29 inches with small isolated pin-sized NAPL globules, mothball odor, petroleum-like odor.	Vibracore	Solvay Waste
10	OL-0141-04	3.9		SOLW	Wet, soft, gray to light green to dark gray, silt-like grains, some clay, black discoloration at 11 inches, 15 inches, and 19 inches, slight petroleum-like odor.	Vibracore	
15	OL-0141-05	3.4		ML	Wet, soft, gray to black, SILT, some clay, trace fine sand, trace organics in bottom of core, strong petroleum-like odor.	Vibracore	SILT
	OL-0141-06	1.9		SOLW	0 to 10 inches is wet, medium stiff, black, SILT, some clay, petroleum-like odor, (ML). Rest of core is gray, silt-like grains, some clay, trace organics, mothball odor.	Vibracore	Solvay Waste
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10058A

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117839.50

Easting: 924444.60

Mud Line: 358.3 Ft

Surface Water Depth: 4.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.4

Water Elev: 362.5 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0141-07	0.5		ML	0 to 25 inches wet, very soft, black to dark gray SILT, trace fine sand, trace organics, 1-inch thick or larger Solvay chunks, coal-like fragments, organic odor. Rest of core is gray, silt-like grains and black fine sand, 1-inch thick or larger Solvay chunks, slight petroleum-like odor and mothball odor.	Vibracore	SILT
5	OL-0141-08	0.9		SOLW	Wet, hard to soft, gray, silt-like grains, little clay, black discoloration at 17 inches, small isolated NAPL globules from 2 inches to 3.5 inches, mothball odor.	Vibracore	SOLVAY WASTE
	OL-0141-10	0.8		SOLW	Wet, soft, gray silt-like grains, trace clay, trace fine sand, small pin size NAPL globules from 2 inches to 6 inches, 15 inches and 19 inches, trace organics, mothball odor.	Vibracore	
10	OL-0141-09	0.8		ML	0 to 13 inches light green to light gray, silt-like grains, trace fine sand, mothball odor, (SOLW). Rest of core dark gray to black, SILT, some clay, trace fine sand, low plasticity, petroleum-like odor.	Vibracore	SILT
15	OL-0141-11	2.5		SOLW	0 to 21 inches wet, soft, black, SILT, trace fine sand, trace brown organics, petroleum-like odor. Rest of core wet, soft, silt-like grains, some clay, mothball odor.	Vibracore	SOLVAY WASTE
17.4	OL-0141-12	0.1		SOLW	Wet, soft, gray, silt-like grains, some clay, trace organics, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10059

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1117726.60

Easting: 924590.40

Mud Line: 359.8 Ft

Surface Water Depth: 2.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 17.0

Core Recovery Depth: 19.3

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0146-01	0.0		SOLW	Wet, soft, gray, silt-like grains, black fine sand throughout, 1-inch thick or larger Solvay chunks throughout, trace brown organics, black discoloration at 22 inches and 35 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0146-02	26.5		SOLW	Wet, soft to very hard, grayish white, silt-like grains, trace to little fine black sand, trace medium black sand, 1-inch thick or larger Solvay chunks throughout, trace organics, small isolated pin size NAPL globules at 21 inches, mothball odor.	Vibracore	
	OL-0146-03	50.9		SOLW	Wet, soft, gray to grayish white, silt-like grains, trace organics, small isolated pin size NAPL globules in top 5 inches of core, little fine black sand throughout, mothball odor.	Vibracore	
10	OL-0146-04	10.9		SOLW	Wet, soft, grayish white to gray, silt-like grains, little black fine sand, black discoloration from 14 inches to 18 inches, black medium to fine grained sand lens within discoloration, trace organics, mothball odor.	Vibracore	
15	OL-0146-05	4.6		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, blue discoloration at 2.5 inches from top of core, mothball odor.	Vibracore	
	OL-0146-06	9.4		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	
19.3							

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10060

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1117861.40

Easting: 924676.30

Mud Line: 359.9 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.0

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0146-07	2.4		SOLW	0 to 13 inches, wet, loose, dark gray SILT and black fine SAND, trace organics, organic odor (ML). Rest of core is wet, medium stiff to soft, grayish white, silt-like grains, some black fine sand, hard Solvay chunks about 4 inches in length throughout, mothball odor.	Vibracore	SILT
5	OL-0146-08	0.8		SOLW	Wet, soft, medium stiff, gray silt-like grains, little black fine sand, black discoloration at 5 inches, small Solvay chunks in top half of core, mothball odor.	Vibracore	SOLVAY WASTE
	OL-0146-09	0.8		SOLW	Wet, soft, dark gray to grayish white silt-like grains, trace fine sand, trace organics, 0.5 inch thick or smaller Solvay chunks from 13 inches to 18 inches, 1/8 inch thick black fine grained sand lens at 27 inches, mothball odor.	Vibracore	
10	OL-0146-10	6.8		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, dark gray discoloration from 14 inches to 21 inches, small Solvay chunks in bottom half of core, mothball odor.	Vibracore	
15	OL-0146-12	21.7		SOLW	Wet, soft to medium stiff, gray to blue green to gray silt-like grains, soft to medium stiff, small isolated pin size NAPL globules in top 3 inches, trace brown organics, mothball odor.	Vibracore	
18.0	OL-0146-13	56.3		SOLW	Wet, soft, tan to gray, silt-like grains, trace fine sand, small isolated pin size NAPL globules at 5 inches, tan discoloration at 18 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10061

Date: 08/14/2006

Weather: Scattered clouds 67-80 deg F

Northing: 1118238.80

Easting: 924717.30

Mud Line: 350.7 Ft

Surface Water Depth: 11.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0142-01	0.4		SOLW	Wet, soft, green to gray green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	Solvay Waste
5	OL-0142-02	0.5		SOLW	Wet soft, light green, silt-like grains, trace fine sand in top half of core, black discoloration at 6 inches and 10 inches, mothball odor.	Vibracore	
	OL-0142-03	3.1		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, trace clay, brown organics, mothball odor.	Vibracore	
10	OL-0142-04	1.6		SOLW	Wet, soft, gray green, silt-like grains, little clay, trace organics, trace black fine grain sand in top 4 inches of core, mothball odor.	Vibracore	
15	OL-0142-05	1.5		SOLW	Wet, soft, light green, silt-like grains, some black fine sand throughout, trace clay, trace organics, mothball odor.	Vibracore	
	OL-0142-06	1.0		SOLW	Wet, soft, light green to gray green laminated, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.7							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10062

Date: 08/14/2006

Weather: Scattered clouds 67-80 deg F

Northing: 1117993.70

Easting: 924727.10

Mud Line: 358.0 Ft

Surface Water Depth: 4.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0142-07/OL-0237-19	0.6		SOLW	Top 2 inches is black, fine to medium SAND and shells. Rest of core is wet, soft, light green, silt-like grains, some fine sand, gray fine grain sand lenses 1/16 of an inch thick at 27 inches, 33 inches and at bottom 2 inches of core, mothball odor.	Vibracore	Solvay Waste
5	OL-0142-08/OL-0250-07	1.2		SOLW	Wet, soft, light gray, silt-like grains, some black fine grain sand throughout, trace organics, brown discoloration at 35 inches and 20 inches, mothball odor.	Vibracore	
	OL-0142-09/OL-0237-20	1.5		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, some clay, trace organics, dark gray discoloration at 5 inches and 11 inches, mothball odor.	Vibracore	
10	OL-0142-10/OL-0238-01	1.2		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, trace clay, dark gray discolorations at 6 inches and bottom inch of core, mothball odor.	Vibracore	
15	OL-0142-12/OL-0238-02	2.5		SOLW	Wet, soft, grayish white, silt-like grains, some black fine sand, tan discoloration at 25 inches, trace organics, mothball odor.	Vibracore	
	OL-0142-13/OL-0250-08	5.4		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace clay, green discoloration in top 2 inches of core, mothball odor.	Vibracore	
19.2							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10062A

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1117996.10

Easting: 924727.20

Mud Line: 358.1 Ft

Surface Water Depth: 4.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.0

Water Elev: 362.5 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0142-14	2.9		SOLW	0 to 3 inches is black SAND and shells, some organics. Rest of core light green to gray, silt-like grains, some black fine sand, 1/8th inch thick black sand lens with shells at 9 inches, tan discoloration at 30 inches, hard 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0142-15	4.2		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, trace clay, dark gray discoloration at top 4 inches of core, tan discoloration at top 4 inches of core mothball odor.	Vibracore	
	OL-0142-16	2.2		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, trace clay, dark gray discoloration at 15 inches, mothball odor.	Vibracore	
10	OL-0142-17	5.0		SOLW	0 to 21 inches is wet, soft, light green, silt-like grains, little clay, tan discoloration at 2 inches. Rest of core is wet, medium stiff, gray, silt-like grains, some fine black sand, tan discoloration at 27 inches, mothball odor.	Vibracore	
15	OL-0142-18	7.5		SOLW	Wet, medium stiff to soft, gray, silt-like grains, black fine sand, black concretion at 6 inches, mothball odor.	Vibracore	
	OL-0142-19	5.6		SOLW	Wet, soft, gray silt-like grains, trace fine sand to some fine sand, 1/8 of an inch thick black fine to medium grain sand lens at 14 inches and 30 inches, mothball odor.	Vibracore	
19.0							

Null field readings indicate a reading was not taken.

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Date: 08/21/2006

**Weather:** Partly cloudy 68-76 deg F

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0163-01/OL-0250-05	2.3		SOLW	Wet, soft, light gray, silt-like grains, trace fine sand, trace organics, dark gray discoloration at 14 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0163-02/OL-0238-03	1.2		SOLW	Wet, soft, light gray, silt-like grains, trace fine sand, trace organics, dark gray discoloration at 14 inches, mothball odor.	Vibracore	
	OL-0163-03/OL-0238-04	2.2		SOLW	Wet, soft, light gray to gray green, silt-like grains, trace fine sand, black fine sand and 0.5 inch thick or smaller Solvay chunks from 31 to 35 inches, mothball odor.	Vibracore	
10	OL-0163-04/OL-0238-05	4.1		SOLW	Wet, soft, light green to gray green, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, black discoloration from 15 inches to 25 inches, trace organics, mothball odor.	Vibracore	
15	OL-0163-05/OL-0238-06	4.1		SOLW	Wet, soft, light green to gray green, silt-like grains, trace fine sand, trace organics, gray discoloration at 30 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
19.8	OL-0163-06/OL-0250-06	2.1		SOLW	Wet, soft, gray to gray green, silt-like grains, some trace, fine, black, sand, Solvay chunks throughout, trace organics, mothball odor.	Vibracore	
Null field readings indicate a reading was not taken.							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10063A

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1118435.4

Easting: 924793.4

Mud Line: 338.0 Ft

Surface Water Depth: 24.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.5

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0160-01	2.6		SOLW	0 to 10 inches is wet, very soft, black, silt, little to some fine sand, sewer-like odor. Rest of core is gray to light green, wet, soft, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
5	OL-0160-02	2.1		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0160-03	1.6		SOLW	Wet, soft, light gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
10	OL-0160-04	9.3		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, trace organics, dark gray to black discoloration from 15 to 20 inches, mothball odor.	Vibracore	
15	OL-0160-05	10.3		SOLW	Wet, soft, light green to gray, silt-like grains, some black fine sand throughout, trace organics, mothball odor.	Vibracore	
17.5	OL-0160-06	5.7		SOLW	Wet, soft, light green to gray, silt-like grains, some black fine sand throughout, trace organics, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10064

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117684.30

Easting: 924771.70

Mud Line: 359.8 Ft

Surface Water Depth: 2.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

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-0163-14	1.6		SOLW	0 to 8 inches is wet, hard to medium stiff, dark gray silt-like grains and black fine SAND, 3 inch thick Solvay chunk at 5 inches. Rest of core is wet, soft, gray, silt-like grains, trace fine sand, black 1/8 of an inch thick fine sand lens at 33 inches, mothball odor.	Vibracore	
5	OL-0163-15	5.1		SOLW	Wet, soft to hard, gray, silt-like grains, some black fine sand, blue green discoloration at 5 inches, small pin-sized isolated NAPL globule at 7 inches, black 1/8 of an inch thick poorly sorted fine sand lenses at 13 inches, 20 inches, 27 inches, and 37 inches, from 29 to 32 inches is black, fine to medium grained, well sorted, sand, 1-inch thick or larger Solvay chunks from 33 inches to bottom of core, mothball odor.	Vibracore	
	OL-0163-16	2.2		SOLW	0 to 14 inches is wet, soft, grayish white, silt-like grains, and black fine sand. Rest of core is gray green, silt-like grains, trace organics, trace fine sand, mothball odor.	Vibracore	
10	OL-0163-17	3.1		SOLW	0 to 34 inches is wet, soft, grayish white, silt-like grains, tan discoloration throughout, 0.5 inch thick Solvay chunks toward bottom. Rest of core is dark gray to black, silt-like grains, small pin-sized NAPL globule at 38.5 inches, mothball odor.	Vibracore	Solvay Waste
15	OL-0163-18	54.4		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, tan discoloration throughout, 0.5 inch long or smaller NAPL stingers from 3 to 6 inches, mothball odor.	Vibracore	
	OL-0163-19	35.3		SOLW	Wet, soft, gray to gray green, silt-like grains, some black fine sand, small isolated pin-sized NAPL globules at 10 inches, 19 inches, 34 inches, and 39 inches, light brown discoloration 1/8 of an inch thick at 21 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10064A

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117684.70

Easting: 924774.20

Mud Line: 359.8 Ft

Surface Water Depth: 2.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

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-0164-01	3.1		SOLW	Wet, soft, grayish white, silt-like grains, some black fine sand, black 1/16 to 1/8 of an inch thick, fine, sand lenses at 15 inches, 21 inches, 34 inches, and 37 inches, some organics, mothball odor.	Vibracore	Solvay Waste
5	OL-0164-02	9.2		SOLW	Wet, soft, gray to dark gray, silt-like grains, some black fine sand, some 1/8 of an inch thick or larger black fine sand lenses, at 6 inches, 13 inches, 17 to 19 inches, 22 to 25 inches, 31 to 34 inches, and 37 to bottom of core, small pin size NAPL globules at 17, 31.5, and 38 inches, mothball odor.	Vibracore	
	OL-0164-03	7.1		SOLW	0 to 16 inches is wet, soft, dark gray to grayish white, silt-like grains and black fine SAND, some brown organics. Rest of core is wet, soft, dark gray, silt-like grains, some clay, low plasticity, isolated pin size NAPL globules 19, 24 and 35 inches, mothball odor.	Vibracore	
10	OL-0164-04	15.4		SOLW	Wet, soft, grayish blue to gray green, silt-like grains, trace fine sand, less than 0.5 inches long NAPL stringers at 2 to 3 inches, 17, 29, 34, 36, and 39 inches, mothball odor.	Vibracore	
15	OL-0164-05	16.5		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, tan discoloration at 17 and 19.5 inches, small pin-sized isolated NAPL globules at 3 inches.	Vibracore	
	OL-0164-06	4.0		SOLW	0 to 32 inches is wet, soft, grayish white, silt-like grains, trace fine sand. Rest of core is dark gray to black, silt-like grains, little to some fine sand, brown organics at 37 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10065

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117697.10

Easting: 924792.20

Mud Line: 360.4 Ft

Surface Water Depth: 2.1 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0164-07	1.1		SOLW	Wet, soft, grayish white, silt-like grains, some black fine sand, large one inch thick Solvay chunks throughout, trace organics, mothball odor.	Vibracore	
5	OL-0164-08	3.8		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, black discoloration at 12 inches, black fine sand seam from 31 to 32.5 inches, mothball odor.	Vibracore	
	OL-0164-10	65.2		SOLW	Wet, soft, gray, silt-like grains, some fine sand, small isolated pin-sized NAPL globules at 5 inches, trace organics, black fine grain sand and fine gravel seam from 30 to 34 inches, mothball odor.	Vibracore	
10	OL-0164-11	3.1		SOLW	Wet, soft, dark gray, silt-like grains, trace fine sand, trace clay, small pin-sized isolated NAPL globules at 26 inches, mothball odor.	Vibracore	Solvay Waste
15	OL-0164-12	6.0		SOLW	Wet, soft, grayish blue to gray, silt-like grains, trace fine sand, brown organics throughout, small isolated pin-sized NAPL globule at 33 inches, mothball odor.	Vibracore	
	OL-0164-13	5.8		SOLW	Wet, soft, grayish blue to blueish white, silt-like grains, NAPL globules at 13, and 18 inches, tan discoloration at 33 inches, and 37 inches, 0.5 inches thick to 1.0 inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



# Honeywell

**Weather:** Partly cloudy 68-76 deg F

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0164-14/OL-0238-07	3.9		SOLW	Wet, hard to soft, gray, silt-like grains, little black fine sand, trace organics, 1 inch thick Solvay chunks throughout.	Vibracore	Solvay Waste
5	OL-0164-15/OL-0249-12	6.2		SOLW	Wet, soft, gray, silt-like grains, little to some fine sand, black 1/16 to 1/8 of an inch thick fine grained sand lenses at 13, 18, 33, and 38 inches, trace organics, mothball odor.	Vibracore	
	OL-0164-16/OL-0238-08	3.5		SOLW	Wet, soft, white to gray blue to dark gray, silt-like grains, some black fine sand, small pin-sized isolated NAPL globules at 25, 38, and 38 inches, 1-inch thick or larger Solvay chunks throughout.	Vibracore	
10	OL-0164-17/OL-0249-13	22.2		SOLW	Wet, soft, dark gray to gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller NAPL globules at 2, 25, and 26 inches, large and 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
15	OL-0164-18/OL-0238-09	15.2		SOLW	Wet, soft, gray, silt-like grains, little fine sand, 0.5 inch thick or larger Solvay chunks throughout, brown discoloration at 14 inches, mothball odor.	Vibracore	
	OL-0164-19/OL-0238-10	2.9		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, tan discoloration throughout, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10067

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117697.50

Easting: 924750.20

Mud Line: 360.9 Ft

Surface Water Depth: 1.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.1

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0163-07	1.5		SOLW	Wet, soft, blue green to dark gray, silt-like grains, some to little black fine, sand, 1 inch thick Solvay chunks throughout, black poorly sorted fine sand seam from 20 to 25 inches, small pin-sized isolated NAPL globules at 37 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0163-08	2.5		SOLW	Wet, soft, dark gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, less than 0.5 inches long isolated NAPL stringers at 11 and 14 inches, mothball odor.	Vibracore	
	OL-0163-09	5.3		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, some light brown organics throughout, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
10	OL-0163-11	5.4		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, large 2 inch thick Solvay chunk at 13 inches, small pin-sized NAPL globules at 19 inches, black discoloration at 2.5 inches, mothball odor.	Vibracore	
15	OL-0163-12	6.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, tan discoloration throughout, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0163-13	11.1		SOLW	Wet, soft, gray, silt-like grains, brown organics throughout, black discoloration at 19 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
19.1							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10068

Date: 08/14/2006

Weather: Scattered clouds 67-80 deg F

Northing: 1117921.70

Easting: 924860.70

Mud Line: 356.9 Ft

Surface Water Depth: 5.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.6

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0143-01	3.5		SOLW	Wet, soft to hard, gray to dark gray, silt-like grains, some fine sand from 31 to 38 inches, 0.5 inch thick or larger Solvay chunks throughout, top 2 inches of core is black, silt-like grains, some fine gravel, mothball odor overall.	Vibracore	
5	OL-0143-02	0.9		SOLW	0 to 27 inches wet, grayish white to gray green, 1-inch thick or larger Solvay chunks throughout, silt-like grains, some sand, black sand lenses throughout. Rest of core wet, stiff, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0143-03	0.7		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 1/8 of an inch thick fine grain black sand lens at 35 inches, organics at 22 inches, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
10	OL-0143-04	3.4		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sands throughout, 1-inch thick or larger Solvay chunks throughout, black fine sand lens at 11 inches, mothball odor.	Vibracore	Solvay Waste
15	OL-0143-05	1.3		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, trace organics at 21 inches, mothball odor.	Vibracore	
19.6	OL-0143-06	0.5		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, trace organics at 27 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10069

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117812.20

Easting: 924950.90

Mud Line: 357.7 Ft

Surface Water Depth: 4.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 17.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0149-01	0.1		SM	Wet, soft, dark gray, SILT, some fine sand, trace 0.5 inch thick or smaller Solvay chunks throughout, bottom 10 inches is fine to medium grained black sand, slight mothball odor.	Vibracore	SILT
							SAND
5	OL-0149-02	0.1		SOLW	0 to 11 inches is wet, dense, dark gray to black, fine to medium grained sand, very slight petroleum-like odor. Rest of core is wet, soft to medium stiff, gray, silt-like grains, some black, fine to medium grained, sand, 1 inch thick Solvay chunks throughout, small pin-sized isolated NAPL globule in bottom of core, mothball odor.	Vibracore	Solvay Waste
	OL-0149-03	0.1		SOLW	0 to 8 inches is wet, dense, black, fine to medium grained, SAND, trace fine sub rounded gravel. Rest of core is wet, medium stiff to hard, gray, silt-like grains, some black fine sand, 1 inch thick sand chunks throughout, mothball odor.	Vibracore	SAND/gravel
10	OL-0149-04	1.2		SOLW	Wet, soft to hard, gray, silt-like grains, some black fine sand, trace brown organics throughout, mothball odor.	Vibracore	
	OL-0149-05	2.9		SOLW	Wet, medium stiff to hard, gray green to gray, silt-like grains, some black fine sand, 24 to 28 inches is black, poorly sorted, fine gravel and fine sand, slight petroleum-like odor.	Vibracore	Solvay Waste
15	OL-0149-06	0.1		SOLW	Wet, very hard, gray to black, Solvay waste and fine to medium grained sand, trace fine sub angular to sub rounded gravel, trace organics, mothball odor in top half of core, slight petroleum-like odor in bottom half of core.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10070

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117455.20

Easting: 924919.90

Mud Line: 360.3 Ft

Surface Water Depth: 2.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.1

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0140-07	2.3		SOLW	Wet, soft, grayish white, silt-like grains, little fine black sand throughout, fine to medium grain sand lenses 1/8 of an inch thick at 14 inches, 23 inches and 36 inches, black discoloration at 39 inches with strong petroleum-like odor.	Vibracore	
5	OL-0140-08	12.8		SOLW	Wet, soft, gray silt-like grains, little fine black sand, trace clay, poorly sorted sand and gravel seam from 9 inches to 12 inches with small pin-sized isolated NAPL globules, tan discoloration at 35 inches, small pin sized isolated NAPL globules at bottom of core, mothball odor and slight petroleum-like odor.	Vibracore	SOLVAY WASTE
	OL-0140-09	0.3		SOLW	0 to 28 inches gray to grayish white, silt-like grains, trace clay, black poorly sorted sand seam at 14 inches, mothball odor. Rest of core is wet, soft, light gray, SILT, little clay, low plasticity, trace organics, small isolated pin-sized NAPL globules at 37 inches (ML).	Vibracore	SILT
10	OL-0140-10	3.9		SOLW	Wet, soft, dark gray, light gray laminated, silt-like grains, some clay, small isolated pin-sized NAPL globule at 6 inches, less than 1.0 inch long NAPL stringers from 13 inches to 18.5 inches, black discoloration at 32 inches, small isolated pin sized NAPL globules at 37 inches, petroleum-like odor and mothball odor.	Vibracore	
15	OL-0140-11	1.3		SOLW	Wet, soft, gray to dark gray silt-like grains, small isolated pin-sized NAPL globules at 9 inches, 18 inches, 22 inches, 28 inches and 29 inches, brown organics at 21 inches, 0.5 inch thick or larger Solvay chunks at 14 to 16 inches, petroleum-like odor, and slight mothball odor.	Vibracore	SOLVAY WASTE
	OL-0140-12	3.0		SOLW	Wet, soft, gray silt-like grains, some clay, trace fine sand, brown organics at 7 inches, some clay, black discoloration from 23 inches to 25 inches, low plasticity, mothball odor.	Vibracore	
19.1							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10070A

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117457.00

Easting: 924918.50

Mud Line: 360.3 Ft

Surface Water Depth: 2.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0140-13	3.6		SOLW	Wet, soft, gray, silt-like grains, black fine sand, shells and poorly sorted gravel at top of core, black discoloration at 20 inches and 22 inches, organics at 7 inches, and 31 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0140-14	0.6		SOLW	Wet, soft, gray to dark gray, silt-like grains, little clay, black discoloration at 10 inches, 16 inches, and 33 inches, small less than 0.5 inches long NAPL stringers at 37 inches, mothball odor.	Vibracore	
	OL-0140-16	0.2		SOLW	Wet, soft, gray to dark gray, silt-like grains, some clay, some black fine sand, black discoloration from 14 to 16 inches, mothball odor, small pin-sized isolated NAPL globule at 36 inches.	Vibracore	
10	OL-0140-17	2.3		SOLW	Wet, soft, dark gray to gray, silt-like grains, some clay, trace fine sand, brown organics at 12 inches and 31 inches, small pin-sized isolated NAPL globules at 6 inches, 10 inches, and 29 inches, mothball odor.	Vibracore	
15	OL-0140-18	2.5		SOLW	Wet, soft, gray, silt-like grains, trace clay, trace fine sand, black discoloration at 7 inches and 29 inches, brown organics at 15 inches, small pin-sized isolated NAPL globule at 23 inches, mothball odor.	Vibracore	
	OL-0140-19	1.9		SOLW	Wet, soft, gray to grayish white, silt-like grains, some clay, trace fine sand in bottom of core, black discoloration at 18 and 23 inches, hard Solvay chunks from 19 to 20 inches, mothball odor.	Vibracore	
19.2							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10071

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1118398.90

Easting: 925183.70

Mud Line: 335.2 Ft

Surface Water Depth: 27.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0160-13/OL-0249-14	1.2		ML	Wet, soft, black to gray green, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	SILT
5	OL-0160-15/OL-0238-11	3.4		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, black discoloration from 31 to 32 inches, an isolated NAPL stringer at 32.5 inches, mothball odor.	Vibracore	Solvay Waste
	OL-0160-18/OL-0238-12	2.1		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0160-17/OL-0249-15	3.9		SOLW	Wet, soft, light green to green gray, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
15	OL-0160-18/OL-0238-13	17.1		SOLW	Wet, soft, gray green, silt-like grains, little fine sand black discoloration from 34 to 36 inches with 0.5 inch thick or smaller Solvay chunks, slight petroleum-like odor in this interval, mothball odor overall.	Vibracore	
	OL-0160-19/OL-0238-14	8.3		SOLW	Wet, soft, gray green to grayish white, silt-like grains, little sand, 0.5 inch thick or smaller Solvay chunks in the bottom half, black discoloration at 30 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10072

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1118217.60

Easting: 925154.10

Mud Line: 344.1 Ft

Surface Water Depth: 18.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0160-07	1.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0160-08	2.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0160-09	0.8		SOLW	Wet, soft, light green to gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0160-10	1.6		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, slight mothball odor.	Vibracore	
15	OL-0160-11	2.1		SOLW	0 top 29 inches is wet, soft, light green, silt-like grains, trace fine sand, slight mothball odor. Rest of core is wet, soft, gray, silt-like grains, little fine sand, less than 0.5 inch thick or smaller Solvay chunks throughout, black discoloration at 37 and 39 inches, mothball odor.	Vibracore	
	OL-0160-12	0.7		SOLW	Wet, soft, gray green, silt-like grains, little fine sand, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10073

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1118025.10

Easting: 925124.40

Mud Line: 353.2 Ft

Surface Water Depth: 9.1 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0170-01/OL-0245-01	4.3		SOLW	Wet, soft, gray, silt-like grains, little to trace, fine black sand, small isolated pin-sized NAPL globules from 25 to 26 inches, mothball odor.	Vibracore	
5	OL-0170-02/OL-0245-02	1.9		SOLW	Wet, soft, gray green silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0170-03/OL-0249-16	1.6		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0170-04/OL-0245-03	2.5		SOLW	Wet, soft, light green to gray, silt-like grains, trace to little fine sand, dark gray discoloration at 26 inches and 29 to 32 inches, and at bottom of core, mothball odor.	Vibracore	Solvay Waste
15	OL-0170-05/OL-0245-05	1.9		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, dark gray discoloration at 23 inches, mothball odor.	Vibracore	
	OL-0170-06/OL-0245-04	2.0		SOLW	Wet, soft, light green to gray, silt-like grains, trace fine sand, brown organics at 31 inches, 0.5 inch thick Solvay chunks in bottom half of core, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10073A

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1118024.80

Easting: 925112.80

Mud Line: 353.2 Ft

Surface Water Depth: 9.1 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0170-08	2.2		SOLW	Wet, soft, gray, silt-like grains, little to some black fine sand, less than 0.5 inch long isolated NAPL stringer at 30 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0170-09	1.9		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0170-10	4.0		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0170-11	2.2		SOLW	Wet, soft, light green to gray green, silt-like grains, trace fine sand, dark gray discoloration at 14, 19, and 26 inches, small pin-sized isolated NAPL globules in bottom inch of core.	Vibracore	
15	OL-0170-12	2.2		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, dark gray discoloration at 14, 19, and 26 inches, small isolated pin-sized NAPL globules in bottom inch of core.	Vibracore	
	OL-0170-13	7.7		SOLW	Wet, soft, light green to gray, silt-like grains, trace fine sand, brown discoloration at 17 and 27 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Date: 08/21/2006

**Weather:** Partly cloudy 68-76 deg F

Easting: 925137.1

**Mud Line: 356.9 Ft**

### Surface Water Dep

**Surface Water Depth: 5.6 Ft**

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

**Geologist: SARA CHMURA**

Penetration Depth: 20.0

**Core Recovery Depth: 19.8**

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0165-01	1.9		SOLW	Wet, soft to hard, gray, silt-like grains, little fine sand, trace organics, 1.0 inch thick Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0165-02	0.9		SOLW	0 to 24 inches is wet, hard, gray, silt-like grains, some fine sand. Rest of core is wet, soft, gray green, silt-like grains, little fine sand, trace organics, mothball odor.	Vibracore	
	OL-0165-03	3.4		SOLW	0 to 20 inches is wet, soft, bright green, silt-like grains, trace fine sand, dark gray discoloration at 12 inches. Rest of core, is wet, hard to soft, gray, silt-like grains and black fine sand, mothball odor.	Vibracore	
10	OL-0165-04	2.4		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
15	OL-0165-05	2.0		SOLW	Wet, soft to hard, grayish white, silt-like grains, trace fine sand, 1.0 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
19.8	OL-0165-06	1.9		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, black discoloration at 4.5 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10075

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1117274.00

Easting: 925124.10

Mud Line: 360.3 Ft

Surface Water Depth: 2.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.9

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0140-01	3.9		SOLW	Wet, soft, gray silt-like grains, little clay, trace fine sand, 1/16 of an inch thick black fine to medium grain sand lenses at 8 inches and 13 inches, 1-inch thick or larger Solvay chunks throughout, small pin size NAPL globules at 28 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0140-02	0.9		SOLW	Wet, soft, gray to blue green, silt-like grains trace fine sand, trace clay, dark gray discolorations at 24 inches, less than 0.5 inch thick or smaller Solvay chunks within dark gray discoloration, small pin-sized isolated NAPL globules at 29 inches, mothball odor and very slight petroleum-like odor.	Vibracore	
	OL-0140-03	1.8		ML	Wet, soft, dark gray to gray, SILT, little to trace clay, black discoloration from 7 inches to 22 inches, small pin-sized NAPL globules at 23 inches, petroleum-like odor, trace fine black sand bottom 4 inches.	Vibracore	SILT
10	OL-0140-04	2.9		ML	Wet, soft, dark gray SILT, some clay, low plasticity, black discoloration at 31 inches to 34 inches, small pin-sized isolated NAPL globules at 19 inches, petroleum-like odor.	Vibracore	
15	OL-0140-05	2.3		SOLW	0 to 15 inches is wet, soft, black SILT, some black coal-like fragments, petroleum-like odor. Rest of core is grayish white to green, silt-like grains, trace clay, mothball odor.	Vibracore	
	OL-0140-06	1.9		SOLW	Wet, soft to medium stiff, grayish pink silt-like grains, black discoloration at 18 inches, mothball odor.	Vibracore	Solvay Waste
18.9							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10076

Date: 08/16/2006

Weather: Mostly cloudy 69-78 deg F

Northing: 1117526.40

Easting: 925240.30

Mud Line: 357.8 Ft

Surface Water Depth: 4.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 17.5

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0149-07/OL-0245-06	0.9		SOLW	Wet, medium stiff to medium hard, gray to dark gray, silt-like grains, some black fine to medium grained sand, 1-inch thick or larger Solvay chunks throughout, mothball odor..	Vibracore	Solvay Waste
5	OL-0149-08/OL-0245-07	3.1		SOLW	Wet, soft to medium stiff, gray green, silt-like grains, little fine sand, some 0.5 inch thick Solvay chunks throughout about a 0.5 inch in length, mothball odor.	Vibracore	
		15.1		SOLW	Wet, soft to medium stiff, gray silt-like grains, trace fine sand brown discoloration at 27 inches and 29 inches, 1.0 inch thick Solvay chunks throughout 1.0 inch thick, mothball odor.	Vibracore	
10	OL-0149-11/OL-0245-08	25.8		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, blue green discoloration form 9 to 15 inches, tan discoloration 1/16 of an inch thick at 36 inches, mothball odor.	Vibracore	
15	OL-0149-12/OL-0249-17	21.2		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, tan discoloration at 22 inches, 24 inches, at 37 inches is a dark brown 0.5 inch diameter circular discoloration, mothball odor.	Vibracore	
	OL-0149-13/OL-0245-09	62.6		SOLW	Wet, medium stiff to hard, dark gray to gray, silt-like grains, some black fine sand, 0.5 inch thick tan discoloration at 2 inches, large 0.5 inch to 1.0 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10077

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F



Northing: 1118080.00

Easting: 925345.50

Mud Line: 349.5 Ft

Surface Water Depth: 12.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.9

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0170-14/OL-0249-18	4.0		SOLW	0 to 18 inches is wet, very soft, dark gray to gray, silt-like grains, 0.5 inch thick or smaller Solvay chunks throughout. Rest of core is wet, soft to hard, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
5	OL-0170-15/OL-0245-10	5.1		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0170-16/OL-0245-11	50.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, small 1/8 of an inch in diameter NAPL pockets from 10 to 12 inches, trace organics, mothball odor.	Vibracore	
10	OL-0170-17/OL-0249-19	2.9		SOLW	Wet, soft to medium stiff, gray, silt-like grains, trace fine sand, black coal-like fragments at 26 inches, mothball odor.	Vibracore	
15	OL-0170-18/OL-0245-12	0.5		SOLW	Wet, soft, light green, silt-like grains, trace fine sand, black coal-like fragments at 33 inches, mothball odor.	Vibracore	
	OL-0170-19/OL-0245-13	4.3		SOLW	Wet, soft to stiff, green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
17.9							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10078

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117846.00

Easting: 925415.90

Mud Line: 354.2 Ft

Surface Water Depth: 8.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 18.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0171-01/OL-0248-05	0.0		SW	Wet, very dense, dark gray, fine well sorted sand and silt-like grains, slight mothball odor, organic odor.	Vibracore	SAND-SILT
5	OL-0171-02/OL-0248-06	30.3		SOLW	Wet, hard to medium stiff, gray, silt-like grains, some black fine sand, trace organics, brown discoloration at 15 inches, mothball odor.	Vibracore	Solvay Waste
	OL-0171-03/OL-0248-07	2.4		SOLW	Wet, soft, grayish white, silt-like grains, little to trace fine sand, 1 inch thick Solvay chunks throughout, light brown discoloration throughout, mothball odor.	Vibracore	
10	OL-0171-04/OL-0248-20	4.4		SOLW	Wet, medium stiff, gray, silt-like grains, trace fine sand, 0.5 to 1.0 inch thick Solvay chunks throughout, 1/16 of an inch thick fine sand seam at 30 inches.	Vibracore	
15	OL-0171-05/OL-0248-08	5.9		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, 0.5 to 1 inch thick Solvay chunks throughout, trace organics, mothball odor.	Vibracore	
	OL-0171-06/OL-0248-09	3.1		SOLW	Wet, medium stiff, gray, silt-like grains, little to trace fine sand, black coal-like fragments at 12 inches, trace organics, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10078A

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117845.20

Easting: 925416.60

Mud Line: 354.3 Ft

Surface Water Depth: 8.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 17.7

Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0171-07	5.3		SOLW	0 to 12 inches is wet, dense to medium dense, black, fine SAND and shells. Rest of core is wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	SAND
5	OL-0171-08	3.4		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, brown discoloration from 14 to 16 inches, trace organics, mothball odor.	Vibracore	Solvay Waste
	OL-0171-10	2.5		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0171-11	0.8		SOLW	Wet, soft, grayish white, silt-like grains, little fine sand, 1.0 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0171-12	0.3		SOLW	Wet, soft, grayish white, silt-like grains, little fine sand, 1.0 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
15	OL-0171-13	2.1		SOLW	Wet, soft to medium stiff, gray, silt-like grains, little to trace fine black sand, trace organics, 1.0 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10079

Date: 08/21/2006

Weather: Partly cloudy 68-76 deg F

Northing: 1117654.2

Easting: 925420.7

Mud Line: 355.9 Ft

Surface Water Depth: 6.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.9

Water Elev: 362.5 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0165-07	0.8		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, 1.0 inch thick or larger Solvay chunks throughout, black poorly sorted sand lens from 23 to 29 inches, slight mothball odor.	Vibracore	Solvay Waste
5	OL-0165-08	1.8		SOLW	Wet, soft, grayish white, silt-like grains, little black fine sand throughout, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0165-09	60.2		SOLW	Wet, soft, gray, silt-like grains, some fine sand, 1.0 inch thick or larger Solvay chunks throughout, less than 0.5 inch long NAPL stringer at 36 inches, mothball odor.	Vibracore	
10	OL-0165-10	1.2		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, black discoloration at 17 inches, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
15	OL-0165-11	1.8		SOLW	Wet, soft, grayish white, silt-like grains, little fine sand, Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0165-12	0.6		SOLW	Wet, soft, grayish white, silt-like grains, little black fine sand throughout, 1.0 inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
18.9							

Null field readings indicate a reading was not taken.

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-VC-10080**

Date: 08/12/2006

**Weather: Mostly cloudy 63-73 deg F**



**Northing: 1116980.60**

**Easting: 925396.30**

**Mud Line: 360.6 Ft**

**Surface Water Depth: 1.9 Ft**

**Drilling Company: Ocean Survey Inc**

**Logging Company: Parsons**

**Geologist: SARA CHMURA**

Penetration Depth: 20.0

**Core Recovery Depth: 19.3**

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0139-01/OL-0245-14	0.3		SOLW	Wet, soft, gray green to gray, silt-like grains, trace fine sand, trace clay in bottom foot of core, black discoloration at 17 inches and 24 inches, dark gray discoloration from 36 inches to 39 inches, slight petroleum-like odor, and slight mothball odor.	Vibracore	Solvay Waste
5	OL-0139-02/OL-0250-01	0.3		SOLW	Wet, soft, dark gray to black, to grayish white, silt-like grains, little to trace fine sand, coal-like fragments from 30 to 35 inches, fine sand lens about 1/8 inch thick at 36 inches, petroleum-like odor and slight mothball odor.	Vibracore	
	OL-0139-03/OL-0245-15	0.0		SOLW	Wet, soft, grayish white with pink discoloration throughout, silt-like grains, trace clay, dark gray discoloration at 24 and 34 inches, mothball odor.	Vibracore	
10	OL-0139-04/OL-0245-16	0.1		SOLW	Wet, soft to medium stiff, gray white, silt-like grains, trace fine sand in top half of core, tan discoloration in top 2 inches of core, mothball odor.	Vibracore	
15	OL-0139-05/OL-0250-02	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace clay in bottom of core, black discoloration at bottom 2 inches, mothball odor.	Vibracore	
19.3	OL-0139-06/OL-0245-17	0.1		SOLW	Wet, soft, grayish pink, silt-like grains, tan discoloration at 10 inches and 23 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10080A

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1116982.20

Easting: 925394.20

Mud Line: 360.6 Ft

Surface Water Depth: 1.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.3

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0139-07	0.1		ML	Wet, soft, grayish green to dark gray SILT, trace fine sand in top half of core, little medium sand in top half of core, black discoloration at 21 inches and 29 inches, mothball odor and slight petroleum-like odor.	Vibracore	SILT
5	OL-0139-08	2.1		ML	0 to 23 inches is dark gray, wet, soft, SILT, little clay, slight petroleum-like odor, small pin-sized isolated NAPL globules at 12 inches, 23 to 33 inches is black, loose, poorly sorted gravel and coal-like fragments, trace organics, petroleum-like odor. Rest of core is wet, soft, grayish white silt-like grains, mothball odor.	Vibracore	
	OL-0139-10	0.0		SOLW	Wet, soft, grayish pink to gray white, silt-like grains, trace fine sand, dark brown discoloration at 29 inches, mothball odor.	Vibracore	GRAVEL
10	OL-0139-11	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, dark gray discoloration at 35 inches, mothball odor.	Vibracore	
	OL-0139-12	0.0		SOLW	Wet, soft, grayish white, silt-like grains, pink discoloration in bottom of core, mothball odor.	Vibracore	
15	OL-0139-13	0.3		SOLW	Wet, soft, grayish white, silt-like grains, trace clay, pink discoloration at 17 inches, 25 inches, and 31 inches, mothball odor.	Vibracore	
19.3							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10081

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1117441.00

Easting: 925496.00

Mud Line: 357.6 Ft

Surface Water Depth: 5.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.6 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0146-14	1.1		SOLW	Wet, soft to medium stiff, gray, silt-like grains, trace fine sand, fine to medium grain sand seam 1/8 of an inch thick at 9.5 inches, mothball odor.	Vibracore	
5	OL-0146-15	9.0		SOLW	Wet, soft to stiff, grayish white, silt-like grains, little black fine sand, 1.0 inch long Solvay chunks bottom half of core, trace organics, mothball odor.	Vibracore	
	OL-0146-16	0.0		SOLW	Wet, soft to medium stiff, gray, silt-like grains, little black fine sand, mothball odor.	Vibracore	
10	OL-0146-17	0.0		SOLW	Wet, soft to medium stiff, gray silt-like grains, trace fine sand, black fine sand seams from 31 inches to 33 inches, mothball odor.	Vibracore	Solvay Waste
15	OL-0146-18	2.9		SOLW	Wet, soft, gray, silt-like grains, little fine sand, black discoloration at 29 inches, trace organics, small black silt lens 1/16 of an inch thick at 8.5 inches, mothball odor.	Vibracore	
	OL-0146-19	1.8		SOLW	Wet, soft to medium stiff, gray, silt-like grains, little to trace fine sand, tan discoloration at 8.5 inches, and 31 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10081A

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1117443.50

Easting: 925496.80

Mud Line: 357.7 Ft

Surface Water Depth: 4.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.6

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-0147-01/OL-0248-01	0.0		SOLW	Wet, soft, gray, silt-like grains, top half inch is black fine sand, fine black seam at 23.5 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0147-02/OL-0250-03	1.7		SOLW	Wet, soft, gray, silt-like grains, little fine sand, black discoloration at 6 inches, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0147-03/OL-0248-02	0.0		SOLW	Wet, medium stiff to soft, gray, silt-like grains, trace to little black fine sand, trace organics, 2 inch thick black sand and Solvay chunk at 4 inches, mothball odor.	Vibracore	
10	OL-0147-04/OL-0248-03	0.0		SOLW	Wet, soft, medium stiff, gray silt-like grains, little to trace fine sand, mothball odor.	Vibracore	
15	OL-0147-05/OL-0248-04	0.0		SOLW	Wet, medium stiff to hard, silt-like grains, little fine sand, black fine sand seam at 36 inches, mothball odor.	Vibracore	
	OL-0147-06/OL-0250-04	0.0		SOLW	Wet, soft to medium stiff, gray silt-like grains, trace fine sand, mothball odor.	Vibracore	
19.6							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10082

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1118354.30

Easting: 925614.90

Mud Line: 333.6 Ft

Surface Water Depth: 29.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

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-0161-01	0.0		ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	SILT
5	OL-0161-02	5.4		ML	Wet, soft, black, SILT, little fine sand.	Vibracore	
	OL-0161-03	9.2		SOLW	0 to 6 inches is wet, soft gray, SILT, trace fine sand. Rest of core is wet, soft, silt-like grains, little sand, Solvay chunks throughout, mothball odor.	Vibracore	
10	OL-0161-04	5.6		SOLW	Wet, soft, grayish white to gray green, silt-like grains, trace fine sand, Solvay chunks throughout, black discoloration at 26 inches and 35 to 36 inches, slight mothball odor.	Vibracore	Solvay Waste
15	OL-0161-05	10.2		SOLW	Wet, soft, light gray to grayish white, silt-like grains, little fine sand, 0.5 inch thick or smaller Solvay chunks in the bottom half, black discoloration at 32.5 inches, mothball odor.	Vibracore	
	OL-0161-06	5.4		SOLW	Wet, soft, gray green to grayish white, silt-like grains, little fine sand, Solvay chunks at 12 inches, and 31 inches, bottom half has a hydrocarbon-like odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10083

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1118077.40

Easting: 925633.80

Mud Line: 344.1 Ft

Surface Water Depth: 18.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0174-01	28.2		SOLW	Wet, soft, gray green, silt-like grains, little to trace fine sand, black discoloration from 33 to 35 inches, mothball odor. PID may be influenced by high humidity.	Vibracore	
5	OL-0174-02	0.0		SOLW	Wet, soft, dark gray to gray, silt-like grains, trace fine sand, black discoloration for 13 inches to 19 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0174-03	0.0		SOLW	Wet, soft, dark gray to gray, silt-like grains, trace fine sand, trace organics, black discoloration at 22 inches to 28 inches, mothball odor.	Vibracore	
10	OL-0174-04	0.0		SOLW	Wet, soft, grayish white, silt-like grains, little to trace fine sand, blue circular discoloration at 11 and 13 inches, mothball odor.	Vibracore	Solvay Waste
15	OL-0174-05	0.0		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0174-06	0.0		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10083A

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1118076.40

Easting: 925631.90

Mud Line: 344.1 Ft

Surface Water Depth: 18.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0174-07	0.0		ML	0 to 25 inches is wet, very soft, black to dark gray, SILT, trace fine sand, trace organics, hydrocarbon-like odor. Rest of core is dark gray to gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	SILT
5	OL-0174-08	0.0		SOLW	Wet, soft, green to dark gray, silt-like grains, trace fine sand, black discoloration at 11, 25, and bottom 2 inches of core, trace organics, mothball odor.	Vibracore	Solvay Waste
	OL-0174-10	0.0		SOLW	Wet, soft, gray green to dark gray, silt-like grains, trace organics, black coal-like fragments at 34 inches, mothball odor.	Vibracore	
10	OL-0174-11	0.0		SOLW	Wet, soft, grayish white, silt-like grains, little to trace fine sand, trace organics, mothball odor.	Vibracore	
15	OL-0174-12	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, small pin-sized NAPL globules at 34 inches, mothball odor.	Vibracore	
	OL-0174-13	0.0		SOLW	Wet, soft to hard, grayish white silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10084

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117489.50

Easting: 925660.70

Mud Line: 355.4 Ft

Surface Water Depth: 7.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0171-14	0.0		SOLW	Wet, soft to medium stiff, gray to grayish white, silt-like grains, some black fine sand, 1 inch thick Solvay chunks throughout, fine to medium grained poorly sorted sand seam at 33 inches, seam is 1/8 inch thick, mothball odor.	Vibracore	
5	OL-0171-15	0.0		SOLW	Wet, soft to medium stiff, gray to gray green, silt-like grains, some black fine sand, 1 inch thick Solvay chunks throughout, black discoloration at 29.5 inches, small 1/8 inch isolated NAPL globule at 4 inches, mothball odor.	Vibracore	
	OL-0171-16	2.3		SOLW	Wet, soft, gray green to gray, silt-like grains, little to trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, trace brown organics in top half of core, mothball odor.	Vibracore	
10	OL-0171-17	0.0		SOLW	Wet, soft, grayish white to light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
15	OL-0171-18	7.7		SOLW	Wet, soft, gray, silt-like grains, some black fine sand, light brown organics in bottom of core, mothball odor.	Vibracore	
	OL-0171-19	4.5		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10085

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117135.00

Easting: 925641.90

Mud Line: 358.5 Ft

Surface Water Depth: 3.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0166-01	0.3		SOLW	Wet, soft, grayish white to gray, silt-like grains, trace fine sand, trace clay, trace organics in top of core, mothball odor.	Vibracore	
5	OL-0166-02	5.7		SOLW	Wet, soft, gray, silt-like grains, some black fine sand, 1 inch Solvay chunks throughout, tan discoloration at 20 inches, mothball odor.	Vibracore	
	OL-0166-03	15.2		SOLW	Wet, soft, gray, silt-like grains, some black fine sand, 1 inch Solvay chunks throughout.	Vibracore	
10	OL-0166-04	30.2		SOLW	Wet, soft, light green to gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
	OL-0166-06	2.2		SOLW	Wet, soft, gray to light green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
15	OL-0166-07	1.4		SOLW	Wet, soft, gray green to gray, silt-like grains, some black fine sand, black discoloration from 23 to 25 inches, small pin-sized isolated NAPL globules at 34 inches.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10086

Date: 08/11/2006

Weather: Partly cloudy 62-72 deg F

Northing: 1116945.80

Easting: 925660.60

Mud Line: 359.4 Ft

Surface Water Depth: 3.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.0

Water Elev: 362.4 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0143-07	0.9		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, black discoloration at 4 inches, black fine sand lens at 15 inches, trace organics, mothball odor.	Vibracore	Solvay Waste
5	OL-0143-08	0.0		SOLW	0 to 37 inches wet, medium stiff to soft, gray green, silt-like grains, trace fine sand, black discoloration at 21.5 inches, mothball odor. Rest of core dark gray green to black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
	OL-0143-09	2.0		ML	Wet, soft, black to dark gray SILT, little clay, trace fine sand, small 1/8 inch diameter pockets of NAPL from 12 inches to 24 inches, petroleum-like odor.	Vibracore	SILT
10	OL-0143-10	0.0		SOLW	0 to 12 inches wet, soft, black, SILT, trace fine sand in clay grading into Solvay waste. Rest of core wet, soft, gray green grayish white, silt-like grains, with trace fine sand, mothball odor.	Vibracore	
15	OL-0143-12	0.0		SOLW	Wet, medium stiff, gray to grayish white, silt-like grains, trace fine sands, mothball odor.	Vibracore	Solvay Waste
18.0	OL-0143-13	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10086A

Date: 08/14/2006

Weather: Scattered clouds 67-80 deg F

Northing: 1116944.40

Easting: 925659.40

Mud Line: 359.4 Ft

Surface Water Depth: 3.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0143-14	0.2		SOLW	Wet, soft, grayish white, silt-like grains, little fine sand throughout, 1-inch thick or larger Solvay chunks throughout, black discoloration at 0.5 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0143-15	0.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0143-16	0.0		ML	0 to 10 inches, wet, soft to medium stiff, light green, silt-like grains (SOLW), rest of core dark gray to black, wet, very soft, SILT, little clay, trace fine sand, petroleum-like odor, small 1/8 inch pockets of NAPL from 32 to 36 inches.	Vibracore	
10	OL-0143-17	0.2		SOLW	0 to 20 inches wet, soft, black, SILT, trace fine, sand grading into Solvay waste. Rest of core gray green to grayish white, wet, soft, silt-like grains, trace fine sand, slight mothball odor.	Vibracore	SILT
15	OL-0143-18	0.0		SOLW	Wet, medium stiff to soft, grayish white, silt-like grains, trace fine sand, black discoloration at 21 inches, trace organics, mothball odor.	Vibracore	
	OL-0143-19	0.0		SOLW	Wet, medium stiff to stiff, grayish white silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	
18.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10087

Date: 08/12/2006

Weather: Mostly cloudy 63-73 deg F

Northing: 1116769.10

Easting: 925592.60

Mud Line: 360.4 Ft

Surface Water Depth: 2.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 18.5

Core Recovery Depth: 19.0

Water Elev: 362.6 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0139-14	0.1		SOLW	Wet, medium stiff to hard, silt-like grains, pink discoloration at 31 inches, top 4 inches is dark gray, SILT, little clay, some 0.5 inch or smaller gravel, some shells, slight petroleum-like odor and mothball odor.	Vibracore	Solvay Waste
5	OL-0139-15	0.0		SOLW	Wet, soft, grayish pink, silt-like grains, black fine sand in top 12 inches of core, 1-inch thick or larger Solvay chunks in top 12 inches of core, trace organics, mothball odor.	Vibracore	
	OL-0139-16	0.1		SOLW	Wet, soft, grayish white, silt-like grains, trace clay, 1-inch thick or larger Solvay chunks throughout, tan discoloration at 30 inches, mothball odor.	Vibracore	
10	OL-0139-17	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace clay, brown discoloration at 7 inches, 12 inches, 18 inches, 22 inches, and 34 inches, trace 1-inch thick or larger Solvay chunks, mothball odor.	Vibracore	
15	OL-0139-18	0.0		SOLW	Wet, soft, medium stiff, silt-like grains, trace fine sand in top 4 inches of core, trace clay, dark gray discoloration at 6 inches, grayish pink discoloration at 34 inches, mothball odor.	Vibracore	
	OL-0139-19	0.0		SOLW	Wet, soft to medium stiff, grayish white, silt-like grains, some fine black sand, 1-inch thick or larger Solvay chunks in bottom 7 inches of core, mothball odor.	Vibracore	
19.0							

Null field readings indicate a reading was not taken.

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Date: 08/24/2006

**Weather:** Scattered clouds 68-77 deg F

**Surface Water Depth: 9.3 Ft**

Penetration Depth: 20.0

**Core Recovery Depth: 19.8**

Depth Units: Ft

[illegible]

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10089

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F



Northing: 1117288.40

Easting: 925742.90

Mud Line: 356.6 Ft

Surface Water Depth: 5.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0166-08/OL-0248-10	1.9		SOLW	0 to 11 inches is wet, soft, black to dark gray, silt-like grains, some fine sand and gravel, trace organics. Rest of core is wet, medium stiff, gray, silt-like grains, trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0166-09/OL-0248-11	1.9		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0166-10/OL-0248-12	1.5		SOLW	Wet, soft, bright green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0166-11/OL-0248-13	1.2		SOLW	Wet, soft, bright green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0166-12/OL-0256-08	1.2		SOLW	Wet, soft, bright green, silt-like grains, trace fine sand, small pin-sized NAPL globule at 17 inches, mothball odor.	Vibracore	
	OL-0166-13/OL-0248-14	0.7		SOLW	Wet, soft, bright green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
19.7							

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-VC-10090**

Date: 08/20/2006

**Weather:** Overcast light rain 73-82 deg F



**Northing: 1118132.30**

Easting: 925905.20

**Mud Line: 338.8 Ft**

**Surface Water Depth: 23.7 Ft**

**Drilling Company: Ocean Survey Inc**

**Logging Company: Parsons**

**Geologist: SARA CHMURA**

Penetration Depth: 20.0

**Core Recovery Depth: 19.8**

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0161-07/OL-0248-15	4.2		ML	Wet, soft, black, SILT.	Vibracore	SILT
5	OL-0161-09/OL-0256-09	19.8		ML	Wet, soft, black to gray, SILT.	Vibracore	
	OL-0161-10/OL-0248-16	12.4		SOLW	Wet, soft, gray to white gray, silt-like grains, trace fine sand, black discoloration at 18 and 22 inches, 0.5 inch thick or smaller Solvay chunks from 33 inches to end of core.	Vibracore	Solvay Waste
10	OL-0161-11/OL-0248-17	5.4		SOLW	Top 3 inches is wet, medium stiff, gray, silt-like grains, little sand, mothball odor. Rest of core is wet, soft, grayish white, silt-like grains, trace fine sand, black discoloration at 3 inches, slight hydrocarbon odor and mothball odor.	Vibracore	
15	OL-0161-12/OL-0248-18	8.9		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, black discoloration at 7 inches and 29 inches, isolated pin-sized NAPL globules at 19.5 inches, mothball odor.	Vibracore	
19.8	OL-0161-13/OL-0248-19	22.4		SOLW	Wet, soft gray green to grayish white, silt-like grains, trace fine sand, black discoloration from 0 to 2 inches, 1-inch thick or larger Solvay chunks in bottom half.	Vibracore	

Null field readings indicate a reading was not taken.



# Honeywell

Site: Onondaga Lake (Syracuse NY)

**Date: 08/24/2006**

**Weather:** Scattered clouds 68-77 deg F

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0172-01	788.0		SOLW	Wet, soft, dark gray to grayish white, silt-like grains, trace fine sand, trace organics, black discoloration throughout, mothball odor and slight petroleum-like odor.	Vibracore	Solvay Waste
5	OL-0172-02	8.8		SOLW	Wet, soft to hard to medium stiff, gray, silt-like grains, some to little black fine sand, hard 1 inch thick Solvay chunks from 13 to 29 inches, small 1/8 inch isolated NAPL globules at 8 and 9 inches, mothball odor.	Vibracore	
	OL-0172-03	28.3		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, black discoloration at bottom of core, mothball odor.	Vibracore	
10	OL-0172-04	12.5		SOLW	Wet, soft, gray to green, silt-like grains, little to trace fine sand, small pin-sized NAPL globule at 4 inches, mothball odor.	Vibracore	
15	OL-0172-05	12.6		SOLW	Wet, soft, green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0172-06	25.3		SOLW	Wet, soft, green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.6							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10092

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117470.80

Easting: 925874.70

Mud Line: 354.6 Ft

Surface Water Depth: 7.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.0

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0169-13	2.0		SOLW	Wet, soft to very hard, gray, silt-like grains, some black fine sand, 1 inch thick Solvay chunks throughout, trace organics, mothball odor.	Vibracore	Solvay Waste
5	OL-0169-14	1.9		SOLW	Wet, soft to medium stiff, green, silt-like grains, trace fine sand, 1 inch thick Solvay chunks in bottom of core, mothball odor.	Vibracore	
	OL-0169-16	4.5		SOLW	Wet, soft, grayish white to gray, silt-like grains, trace fine sand, some organics in bottom of core, mothball odor.	Vibracore	
10	OL-0169-17	1.8		SOLW	Wet, soft, gray, silt-like grains, some fine sand to trace fine sand, trace organics, mothball odor.	Vibracore	
15	OL-0169-18	1.5		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0169-19	1.2		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.0							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10093

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1116983.50

Easting: 925873.50

Mud Line: 358.5 Ft

Surface Water Depth: 3.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0166-14	2.4		SOLW	Wet, soft, grayish white to light green, silt-like grains, some to trace fine sand, trace organics at top of core, mothball odor.	Vibracore	Solvay Waste
5	OL-0166-15	13.4		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, trace organics, brown discoloration at 32.5 inches, mothball odor.	Vibracore	
	OL-0166-16	19.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, dark brown discoloration at 8 inches, brown organics at 9 inches, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
10	OL-0166-17	10.2		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0166-18	0.9		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0166-19	2.9		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, bottom 5 inches is black to dark gray, petroleum-like odor. Rest of core has mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10094

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1116632.30

Easting: 925868.40

Mud Line: 360.4 Ft

Surface Water Depth: 2.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0144-01/OL-0248-20	0.0		SOLW	0 to 27 inches wet, very soft, light green to gray, silt-like grains, trace clay, 0.5 inch thick or smaller Solvay chunks. Rest of core is dark gray, wet, soft, SILT, little fine sand, trace clay, black discoloration at 32 inches, petroleum-like odor (ML).	Vibracore	Solvay Waste
5	OL-0144-02/OL-0248-11	0.0		ML	Wet, medium stiff to soft, dark gray to black, SILT, little fine sand, some clay, low plasticity, black fine grained saturated sand lens at 28 inches, little organics throughout, strong petroleum like odor.	Vibracore	SILT
	OL-0144-03/OL-0249-01	0.2		SOLW	0 to 21 inches wet, soft, dark gray to light gray, SILT, little fine sand and clay, low plasticity, petroleum-like odor, at 12 inches grades to Solvay (ML), rest of core wet, soft, light gray to grayish white, silt-like grains, little fine sand, mothball odor.	Vibracore	
10	OL-0144-04/OL-0249-02	0.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks, mothball odor.	Vibracore	
15	OL-0144-05/OL-0249-03	0.0		SOLW	Wet, soft, gray to grayish white, silt-like grains, trace fine sand, Solvay chunks throughout, black discoloration at 17 inches, mothball odor.	Vibracore	Solvay Waste
	OL-0144-06/OL-0249-04	3.0		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, organics at 5 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10095

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1118333.9

Easting: 925972.7

Mud Line: 334.1 Ft

Surface Water Depth: 28.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.6

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0158-01	0.2		ML	Wet, very soft, black, SILT, trace fine sand, trace clay, trace organics, organic and trace petroleum-like odor.	Vibracore	SILT
5	OL-0158-02	2.6		ML	Wet, soft, black, SILT, little to trace clay, low plasticity, little organics, petroleum-like odor, light gray discoloration at 30 inches.	Vibracore	
	OL-0158-03	5.6		ML	0 to 29 inches is wet, soft, dark gray to black, SILT, little clay, trace fine sand, petroleum-like odor. Rest of core is gray green, wet, soft, silt-like grains, trace fine sand (SOLW), mothball odor.	Vibracore	
10	OL-0158-04	2.4		SOLW	0 to 19 inches is, wet, soft, grayish white to gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks in top of core, mothball odor. Rest of core is dark gray to black, wet, soft, silt, trace clay, slight hydrocarbon-like odor, organics odor, (ML).	Vibracore	Solvay Waste
15	OL-0158-05	0.0		SOLW	Wet, soft, dark gray, silt-like grains, little fine sand, bottom 4 inches has some clay, black, trace organics. Rest of core has mothball and petroleum-like odor.	Vibracore	Solvay Waste
19.6	OL-0158-06	2.2		ML	Wet, soft, black, SILT and CLAY, moderate plasticity, trace organics, organic odor.	Vibracore	SILT-CLAY

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10095A

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1118335.5

Easting: 925974.7

Mud Line: 334.1 Ft

Surface Water Depth: 28.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.1

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0158-08/OL-0256-05	0.2		ML	Wet, very soft, black, SILT, trace clay, trace fine sand, little organics, organic odor.	Vibracore	SILT
5	OL-0158-09/OL-0256-06	1.2		ML	Wet, soft, black, SILT, trace clay, slight petroleum-like odor.	Vibracore	
	OL-0158-10/OL-0244-05	2.5		SOLW	0 to 20 inches is Wet, soft, black, SILT, trace clay, slight petroleum-like odor. Rest of core is gray green silt-like grains, little to trace fine sand, mothball odor, trace organics.	Vibracore	
10	OL-0158-11/OL-0244-06	2.1		SOLW	Wet, soft, grayish white to dark gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
15	OL-0158-12/OL-0244-07	1.4		CL	Wet, soft, dark gray to black, SILT, little to some clay, low plasticity, trace organics, petroleum-like odor and slight hydrocarbon odor.	Vibracore	SILT-CLAY
	OL-0158-13/OL-0256-07	1.8		MH	Wet, soft, black, CLAY and SILT, moderate plasticity, petroleum-like odor, trace organics.	Vibracore	
19.1							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10096

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117842.40

Easting: 925984.70

Mud Line: 347.0 Ft

Surface Water Depth: 15.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0173-07/OL-0256-03	7.8		ML	Wet, soft, black, SILT, some to trace fine sand, trace clay, little organics, small isolated pin-sized NAPL globule at 8 inches, hydrocarbon-like odor.	Vibracore	SILT
5	OL-0173-08/OL-0244-08	20.6		SOLW	Wet, soft, dark gray to green to grayish white, silt-like grains, trace fine sand, black discoloration at 21 inches with fine sand mixed in, trace organics, mothball odor.	Vibracore	Solvay Waste
	OL-0173-09/OL-0244-09	1.0		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
10	OL-0173-10/OL-0244-10	2.5		SOLW	Wet, hard to soft, gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
15	OL-0173-11/OL-0256-04	0.6		SOLW	Wet, soft, green, silt-like grains, trace fine sand, black discoloration at 16 inches, 20.5 inches, and 37.5 inches, mothball odor.	Vibracore	
	OL-0173-12/OL-0244-11	3.5		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, black discoloration from 10 to 12 inches, trace organics, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10096A

Date: 08/24/2006

Weather: Scattered clouds 68-77 deg F

Northing: 1117840.7

Easting: 925983.8

Mud Line: 347.0 Ft

Surface Water Depth: 15.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.4

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0173-13	13.7		ML	Wet, soft, black to dark gray, SILT, little to trace fine sand, little organics, pin-sized isolated NAPL globules at 12 inches, 20 inches, and 24 inches, hydrocarbon-like odor.	Vibracore	SILT
5	OL-0173-14	10.5		SOLW	Wet, soft, black to dark gray to gray green, silt-like grains, trace organics, black, fine, sand seam at 34 inches to 36 inches, hydrocarbon-like odor and mothball odor.	Vibracore	Solvay Waste
	OL-0173-18	0.0		SOLW	Wet, soft to medium stiff, gray, silt-like grains, trace fine sand, brown organics throughout, small pin-sized NAPL globules at 25 inches, mothball odor.	Vibracore	
10	OL-0173-16	1.9		SOLW	Wet, soft, gray to green, silt-like grains, trace fine sand, black discoloration at 37 and 39 inches, mothball odor.	Vibracore	
	OL-0173-15	0.0		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
15	OL-0173-19	2.8		SOLW	Wet, soft, gray to green, silt-like grains, trace fine sand.	Vibracore	
17.4							

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10097

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117273.40

Easting: 926020.40

Mud Line: 355.2 Ft

Surface Water Depth: 7.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.4

Water Elev: 362.4 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0167-01	8.5		SOLW	Wet, soft, gray silt-like grains, trace fine sand, 1 to 1.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0167-02	2.1		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, black fine to medium grained sand lens at 36 to 37 inches, mothball odor.	Vibracore	
	OL-0167-03	2.2		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, black discoloration at 17 inches, mothball odor.	Vibracore	
10	OL-0167-04	1.6		SOLW	Wet, soft, green, silt-like grains, trace fine sand, black discoloration with medium sand at 22 inches, mothball odor.	Vibracore	
15	OL-0167-05	6.5		SOLW	Wet, soft, green to gray, silt-like grains, trace fine sand, dark green discoloration at 15 inches, mothball odor.	Vibracore	
18.4	OL-0167-06	6.6		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, black discoloration from 9 to 13 inches, with 0.5 inch thick or smaller Solvay chunks throughout.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10097A

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117275.10

Easting: 926019.50

Mud Line: 355.2 Ft

Surface Water Depth: 7.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.5

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0167-07	5.1		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
5	OL-0167-08	3.1		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
	OL-0167-09	11.5		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	
10	OL-0167-11	2.6		SOLW	Wet, soft, green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
15	OL-0167-12	1.5		SOLW	Wet, soft, bright green to gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
	OL-0167-13	3.6		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, dark gray discoloration from 7 to 10.5 inches, trace organics, mothball odor.	Vibracore	
18.5							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10098

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117287.00

Easting: 926041.70

Mud Line: 354.9 Ft

Surface Water Depth: 7.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0167-14	0.0		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, bottom 2 inches of core are black to gray, fine grained sand, mothball odor.	Vibracore	Solvay Waste
5	OL-0167-15	5.5		SOLW	0 to 21 inches is wet, dense, black, fine, poorly sorted SAND, trace organics. Rest of core is wet, soft, gray, silt-like grains, some black fine sand, mothball odor.	Vibracore	Fine SAND
	OL-0167-16	16.8		SOLW	Soft, gray, silt-like grains, some black fine sand, mothball odor.	Vibracore	
10	OL-0167-17	4.6		SOLW	Wet, soft, gray, silt-like grains, some black fine sand, mothball odor.	Vibracore	
	OL-0167-18	5.6		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
15	OL-0167-19	6.9		SOLW	Wet, soft, bright green to gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10099

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1117250.50

Easting: 926020.20

Mud Line: 355.3 Ft

Surface Water Depth: 7.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0168-01	3.5		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
5	OL-0168-02	1.6		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0168-03	2.5		SOLW	Wet, soft, gray to gray green, silt-like grains, mothball odor.	Vibracore	
10	OL-0168-04	15.7		SOLW	Wet, soft, gray green, silt-like grains, mothball odor.	Vibracore	
	OL-0168-05	5.7		SOLW	Wet, soft, green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0168-06	3.7		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, black discoloration with 0.5 inch thick or smaller Solvay chunks from 24 to 28 inches, mothball odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10100

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F



Northing: 1117287.30

Easting: 925996.80

Mud Line: 355.1 Ft

Surface Water Depth: 7.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.1

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0168-07	3.1		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, fine sand seam 1/8 inches thick at 8.5 inches, 11.5 inches, and 22 inches, mothball odor.	Vibracore	Solvay Waste
5	OL-0168-08	4.8		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0168-09	0.7		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0168-10	1.3		SOLW	Wet, soft, green, silt-like grains, trace fine sand, black discoloration at 23 inches, mothball odor.	Vibracore	
15	OL-0168-11	0.7		SOLW	Wet, soft, green to gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0168-12	6.7		SOLW	Wet, soft, green to gray, silt-like grains, trace fine sand, grading to some fine sand, black discoloration at 32 and 33 inches, mothball odor.	Vibracore	
19.1							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10101

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1117979.00

Easting: 926082.60

Mud Line: 341.4 Ft

Surface Water Depth: 21.1 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0161-14	8.9		ML	Wet, very soft to soft, SILT, black.	Vibracore	SILT
5	OL-0161-15	7.1		ML	0 to 25 inches is wet, soft, black, SILT, some sand. Rest of core is wet, soft, green to grayish white, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor, trace organics throughout.	Vibracore	
	OL-0161-16	12.4		SOLW	Wet, soft, grayish white, silt-like grains, trace fine sand, Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
10	OL-0161-17	16.4		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, trace organics, black discoloration from 3 to 5 inches, hydrocarbon-like odor.	Vibracore	
15	OL-0161-18	8.9		SOLW	0 to 28 inches is wet, soft, light gray, silt-like grains, mothball odor. Rest of core is wet, soft, dark gray, silt-like grains, and Solvay petroleum-like odor and slight mothball odor.	Vibracore	
	OL-0161-19	9.4		ML	Wet, soft, gray, SILT, trace fine sand, black discoloration at 2.5 inches, slight hydrocarbon-like odor.	Vibracore	SILT
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10102

Date: 08/20/2006

Weather: Overcast light rain 73-82 deg F

Northing: 1117485.00

Easting: 926067.60

Mud Line: 353.9 Ft

Surface Water Depth: 8.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.2

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0		0.0		SOLW	Wet, soft, light gray, silt-like grains, trace fine sand, Solvay chunks throughout.	Vibracore	Solvay Waste
5	OL-0162-01/OL-0244-12	9.4		SOLW	Wet, soft, grayish white to gray green, silt-like grains, trace fine sand, black discoloration at 16 inches, mothball odor.	Vibracore	
	OL-0162-02/OL-0244-13	6.3		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, black discolorations at 2 inches, 3 inches, and 31 inches, mothball odor.	Vibracore	
10	OL-0162-03/OL-0258-11	9.7		SOLW	Wet, soft, gray green to grayish white, silt-like grains, trace fine sand, black discoloration at 10 inches, mothball odor.	Vibracore	
15	OL-0162-04/OL-0244-14	5.8		SOLW	Wet, soft grayish white, silt-like grains, trace fine sand, black fine sand seam at 23 inches, mothball odor.	Vibracore	
17.2	OL-0162-05/OL-0244-15	7.0		SOLW	Wet, soft, grayish white, Solvay chunks in bottom, trace fine sand, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10103

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117084.30

Easting: 926131.80

Mud Line: 354.9 Ft

Surface Water Depth: 7.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.0

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0169-01/OL-0244-16	2.6		SOLW	Wet, soft, gray, silt-like grains, little to trace fine sand, 1 inch thick Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0169-02/OL-0244-17	2.9		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, large 4 inch long Solvay chunk at 20 inches, mothball odor.	Vibracore	
	OL-0169-03/OL-0256-10	2.1		SOLW	Wet, soft, green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0169-04/OL-0244-18	1.0		SOLW	Wet, soft, gray green to dark green, silt-like grains, trace fine sand, dark gray discoloration throughout bottom half of core, NAPL stringer at 28 to 29 inches, mothball odor.	Vibracore	
15	OL-0169-05/OL-0244-19	1.5		SOLW	Wet, soft, green to gray, silt-like grains, trace fine sand, dark gray discoloration from 27 to 30 inches, with 0.5 inch thick or smaller Solvay chunks within, mothball odor.	Vibracore	
18.0	OL-0169-06/OL-0244-20	14.6		SOLW	Wet, soft to hard, gray, silt-like grains, trace fine sand, black discoloration from 3 to 5.5 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10103A

Date: 08/23/2006

Weather: Scattered clouds 68-76 deg F

Northing: 1117084.4

Easting: 926133.5

Mud Line: 354.9 Ft

Surface Water Depth: 7.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.0

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0169-07	1.8		SOLW	Wet, soft, dark gray to gray, silt-like grains, some black fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0169-08	2.4		SOLW	Wet, soft to hard, gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0169-09	2.0		SOLW	Wet, soft, light green to dark green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0169-10	0.7		SOLW	Wet, soft, dark green, silt-like grains, trace fine sand, dark gray discoloration from 34 to 37 inches, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	
15	OL-0169-11	1.3		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, black discoloration from 10 to 12 inches, mothball odor.	Vibracore	
18.0	OL-0169-12	0.5		SOLW	Wet, soft, gray to dark gray to black, silt-like grains, trace fine sand, petroleum-like odor at bottom of core, black discoloration at 6 inches, slight mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Date: 08/19/2006

**Weather:** Overcast light rain 72-76 deg F

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0159-01	1.6		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, mothball odor.	Vibracore	Solvay Waste
5	OL-0159-02	1.1		SOLW	0 to 4 inches is grayish white, silt-like grains, mothball odor, black discoloration at 4 inches. Rest of core is light green, wet, soft, silt-like grains, trace fine sand, trace organics.	Vibracore	
	OL-0159-03	0.9		SOLW	Wet, soft, green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0159-05	17.8		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0159-06	1.8		ML	Wet, soft, light gray to black, SILT, some to little clay, trace fine sand, low to moderate plasticity, petroleum-like odor.	Vibracore	
	OL-0159-07	1.6		ML	Wet, soft, black, SILT, some clay, sewage-like odor, low to moderate plasticity, tan discoloration in bottom half of core, top half has petroleum-like odor, bottom half has sewage-like odor.	Vibracore	
19.8	Null field readings indicate a reading was not taken.						

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10104A

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1116685.60

Easting: 926107.10

Mud Line: 359.1 Ft

Surface Water Depth: 3.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.2

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0158-14	0.9		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace clay in bottom of core, sewage-like odor and mothball odor.	Vibracore	Solvay Waste
5	OL-0158-15	1.2		SOLW	Wet, soft, gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0158-16	1.3		SOLW	Wet, soft, gray to gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0158-17	2.9		SOLW	0 to 22 inches is light gray, soft, silt-like grains, mothball odor. Rest of core is dark gray to black, SILT, little clay to some clay, slight petroleum-like odor and slight hydrocarbon-like odor.	Vibracore	SILT-CLAY
15	OL-0158-18	1.4		ML	Wet, soft, black, SILT, some clay, moderate plasticity, black coal-like fragments at 32 inches, petroleum-like odor.	Vibracore	
18.2	OL-0158-19	1.2		ML	Wet, soft, black and light brown, SILT, little to trace fine sand, some clay, moderate plasticity, sewage-like odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10105

Date: 08/22/2006

Weather: Partly cloudy 68-82 deg F

Northing: 1116859.40

Easting: 926187.20

Mud Line: 356.8 Ft

Surface Water Depth: 5.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0168-13/OL-0244-01	1.2		SOLW	0 to 5 inches is wet, soft, blue gray, silt-like grains. Rest of core is wet, soft, gray, silt-like grains, trace fine sand, 1/2 inch thick Solvay chunks in lower half of core, mothball odor.	Vibracore	Solvay Waste
5	OL-0168-14/OL-0256-12	1.4		SOLW	Wet, medium stiff to hard, gray, silt-like grains, some black fine sand, to little black fine sand, 1/2 inch thick Solvay chunks throughout, fine to medium grained sand seam at 37 inches, mothball odor. Depth intervals in the photo are incorrect.	Vibracore	
	OL-0168-15/OL-0244-02	1.2		SOLW	Wet, soft, light green to gray, silt-like grains, trace fine sand, trace organics, mothball odor. Depth intervals in the photo are incorrect.	Vibracore	
10	OL-0168-16/OL-0244-03	2.7		SOLW	Wet, soft, gray green to gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0168-17/OL-0244-04	1.3		SOLW	Wet, soft, grayish white to green to black, silt-like grains, trace fine sand, slight petroleum-like odor in bottom of core, mothball odor overall.	Vibracore	
19.8	OL-0168-19/OL-0256-13	0.5		ML	Wet, soft, dark gray, grading to black at 17 inches, silt-like grains grading to SILT, some clay, trace fine sand, moderate to low plasticity, petroleum-like odor and slight organic odor.	Vibracore	SILT-CLAY

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10106

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1116498.40

Easting: 926169.90

Mud Line: 359.8 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.5

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0159-08	5.6		SOLW	0 to 20 inches is wet, soft, gray, SILT, little fine sand, organic odor, black fine sand seam at 15.5 inches. Rest of core is wet, soft, gray green, silt-like grains, trace fine sand, mothball odor.	Vibracore	SILT
5	OL-0159-09	1.6		SOLW	0 to 25 inches is wet, soft, grayish white, silt-like grains, trace fine sand, mothball odor. Rest of core is dark gray to black, SILT, some fine sand, some to little clay, slight mothball odor and slight petroleum-like odor.	Vibracore	Solvay Waste
10	OL-0159-10	1.1		ML	Wet, soft, black, SILT, little to some clay, trace fine sand throughout, moderate plasticity, fine sand seam at 14 inches, trace organics.	Vibracore	
	OL-0159-11	0.5		ML	Wet, soft, black, SILT, some clay, trace fine sand in top of core, low to moderate plasticity, slight petroleum-like odor, organic odor.	Vibracore	SILT-CLAY
15	OL-0159-12	0.4		ML	Wet, soft, to medium stiff, black, SILT, some clay, trace organics, moderate plasticity, organic odor.	Vibracore	
17.5	OL-0159-13	0.4		ML	Wet, soft, to medium stiff, black, SILT, some clay, trace organics, moderate plasticity, organic odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-10107

Date: 08/15/2006

Weather: Scattered clouds 71-80 deg F

Northing: 1116313.70

Easting: 926342.70

Mud Line: 360.7 Ft

Surface Water Depth: 1.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.5

Water Elev: 362.4 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0144-07/OL-0249-06	3.2		ML	0 to 3 inches is wet, loose, black, fine grain SAND and SILT, some grass and rootlets. Rest of core is dark gray, wet, very soft to soft. SILT, some clay, trace fine sand, black discoloration at 19 inches, petroleum-like odor.	Vibracore	SILT-CLAY
5	OL-0144-08/OL-0249-07	3.2		ML	Wet, soft, dark gray to black, SILT, little clay, trace fine sand, black fine grained sand lenses 1/8 inch thick at 13.5 inches, 21.5 inches, and 27 inches, bottom 2 inches are black fine grained loose sand, petroleum-like odor.	Vibracore	
	OL-0144-10/OL-0249-10	4.2		ML	Wet, soft, black to dark gray, SILT, some clay, trace fine sand, 1/2 inch thick black sand seam at top of core, trace organics, petroleum-like odor.	Vibracore	
10	OL-0144-11/OL-0249-08	3.2		ML	Wet, soft, black to dark gray, SILT, some clay, low plasticity, trace wood, top half of core has petroleum-like odor. Rest of core organic odor.	Vibracore	
15	OL-0144-12/OL-0249-05	0.1		ML	Wet, soft, black to dark gray to gray, SILT, some clay, low plasticity, trace organics, organic odor.	Vibracore	
17.5	OL-0144-13/OL-0249-09	0.0		ML	Wet, soft, dark gray, SILT, some clay, trace fine sand, low plasticity, organic odor.	Vibracore	

Null field readings indicate a reading was not taken.

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-VC-20072**

Date: 08/17/2006

**Weather:** Scattered clouds 69-82 deg F



**Northing: 1118947.40**

Easting: 922398.50

**Mud Line: 357.5 Ft**

**Surface Water Depth: 5.0 Ft**

**Drilling Company: Ocean Survey Inc**

**Logging Company: Parsons**

**Geologist: SARA CHMURA**

Penetration Depth: 20.0

**Core Recovery Depth: 19.8**

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0150-01/OL-0232-09	0.4		SM	0 to 5 inches is wet, loose, black, fine grained, SAND, trace organics, trace Solvay chunks. Rest of core is wet, loose, fine sand, some silt, gray, trace shells, sulfur odor, (MARL).	Vibracore	Fine SAND-SILT
5	OL-0150-02/OL-0231-02	2.4		SM	Top 6 inches is wet, loose, fine grained, SAND and SILT. Rest of core grades to wet, soft, gray, SILT and fine SAND, little shells, sulfur odor.	Vibracore	
	OL-0150-03/OL-0232-10	3.7		SW	Wet, loose to medium dense, gray, fine grained, SAND, little silt, trace organics, some shells, slow dilatancy, sulfur odor, (MARL).	Vibracore	
10	OL-0150-04/OL-0231-03	2.7		SM	0 to 7 inches, is moist, loose to medium dense, gray, fine grained sand, trace silt, trace shells. Rest of core is wet, soft, gray, SILT, some fine sand, trace clay in bottom 6 inches of core, trace shells, sulfur odor, (MARL).	Vibracore	Fine SAND-SILT (MARL)
15	OL-0150-05/OL-0232-11	0.9		SM	0 to 23 inches is moist, soft to medium stiff, gray, CLAY, little fine sand, little silt, moderate plasticity, little shells (ML). Rest of core is wet, loose, gray, fine, SAND and SILT, trace shells, sulfur odor, (MARL).	Vibracore	
19.8	OL-0150-06/OL-0231-01	0.4		SM	0 to 9 inches is gray, wet, loose, fine, SAND, little to trace silt, 9 to 24 inches is wet, loose, gray, sand, some silt, sulfur odor, red organics at 18 inches. Rest of core is gray, wet, soft, SILT, some sand, organics throughout, sulfur odor.	Vibracore	

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20073

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1119022.70

Easting: 922653.30

Mud Line: 339.6 Ft

Surface Water Depth: 22.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.3

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0150-14/OL-0232-02	0.0		ML	0 to 27 inches is wet, very soft, black, SILT, petroleum-like odor, trace fine sand. Rest of core is light gray.	Vibracore	SILT
5	OL-0150-15/OL-0232-12	3.6		ML	Wet, very soft, dark gray, SILT, trace fine sand, bottom 6 inches is black, petroleum-like odor overall.	Vibracore	
	OL-0150-16/OL-0232-03	1.9		ML	Wet, very soft, dark gray to black, SILT, trace fine sand, trace organics and fibers, petroleum-like odor.	Vibracore	
10	OL-0150-17/OL-0232-04	0.0		CL	0 to 9 inches is wet, soft, black, SILT, sulfur odor (ML). Rest of core is moist, soft, gray, CLAY, trace shells, sulfur odor, (MARL).	Vibracore	CLAY-SILT (MARL)
15	OL-0150-18/OL-0232-13	0.0		CL	Moist, soft to medium stiff, gray, CLAY, moderate plasticity, some silt to little silt, trace shells, sulfur odor, (MARL).	Vibracore	
	OL-0150-19/OL-0232-14	0.0		CL	Moist, medium stiff to soft, gray, CLAY, silt grading to some silt, trace shells, sulfur odor, (MARL).	Vibracore	
19.3							

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20074

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118876.30

Easting: 922807.70

Mud Line: 338.9 Ft

Surface Water Depth: 23.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.1

Water Elev: 362.4 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0151-13/OL-0232-15	0.6		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	SILT
5	OL-0151-14/OL-0232-05	4.1		ML	Wet, very soft to soft, black to dark gray, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
	OL-0151-15/OL-0232-06	0.8		ML	Wet, very soft to soft, light gray to black, SILT, black coal-like fragments at 13.5 inches, trace fine sand, petroleum-like odor.	Vibracore	
10	OL-0151-17/OL-0232-16	0.5		CL	Moist, soft to medium stiff, gray, CLAY, some to little silt, moderate plasticity, trace shells, sulfur odor, (MARL).	Vibracore	CLAY-SILT (MARL)
15	OL-0151-18/OL-0232-07	0.0		CL	Moist, soft to medium stiff, gray, CLAY, some to little silt, moderate plasticity, trace shells, sulfur odor, (MARL).	Vibracore	
	OL-0151-19/OL-0232-08	0.0		CL	Moist, soft to medium stiff, gray, CLAY, some to little silt, moderate plasticity, trace shells, sulfur odor, (MARL).	Vibracore	
18.1							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20075

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118763.60

Easting: 922723.10

Mud Line: 342.7 Ft

Surface Water Depth: 19.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.2

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0149-14/OL-0231-04	0.4	0.0	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor, spotty rainbow sheen on sediment.	Vibracore	SILT
5	OL-0149-15/OL-0232-17	0.7	0.0	SOLW	0 to 13 inches is black grading to dark gray, wet, soft, SILT, trace fine sand, trace organics, slight petroleum-like odor. Rest of core is dark gray to gray, wet, soft, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
	OL-0149-16/OL-0232-18	0.9	0.0	ML	Top 7 inches is dark gray, grading to black, wet, soft, silt-like grains, trace organics, trace fine sand. Rest of core is wet, soft, black, SILT, trace fine sand grading to no sand, little clay, low plasticity, trace organics, petroleum-like odor.	Vibracore	SILT
10	OL-0149-17/OL-0231-05	0.2	0.0	CL	Top 1.5 inches is black. Rest of core is gray, moist, soft, medium stiff, CLAY, some silt, trace shells, sulfur odor (MARL).	Vibracore	CLAY, SILT (MARL)

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20075

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118763.60

Easting: 922723.10

Mud Line: 342.7 Ft

Surface Water Depth: 19.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.2

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
10	OL-0149-17/OL-0231-05	0.2	0.0	CL	Top 1.5 inches is black. Rest of core is gray, moist, soft, medium stiff, CLAY, some silt, trace shells, sulfur odor (MARL).	Vibracore	CLAY-SILT (MARL)
15	OL-0149-18/OL-0231-06	0.4	0.0	CL	Moist, soft, gray, CLAY, some to little silt, moderate plasticity, trace shells, a half inch diameter fine sand pocket at 1 inch, sulfur odor, (MARL).	Vibracore	
17.2	OL-0149-19/OL-0232-19	0.3	0.0	CL	Moist, soft, gray, CLAY, some to little silt, moderate plasticity, trace shells, a half inch diameter fine sand pocket at 1 inch, sulfur odor, (MARL).	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20076

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118721.40

Easting: 923011.60

Mud Line: 335.3 Ft

Surface Water Depth: 27.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Water Elev: 362.8 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0152-07/OL-0232-20	0.1		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	SILT
5	OL-0152-08/OL-0231-07	0.1		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
	OL-0152-09/OL-0231-08	0.1		ML	0 to 28 inches is wet, soft, black to dark gray, SILT, trace fine sand, petroleum-like odor (ML). Rest of core is wet, soft, moderate plasticity, CLAY, trace fine silt, black organic discoloration throughout, trace shells, slight sulfur odor, (MARL).	Vibracore	
10	OL-0152-11/OL-0233-01	0.1		CL	Wet, soft, gray, CLAY, trace fine silt, black organic discolorations, trace organics throughout, (MARL).	Vibracore	CLAY-SILT (Marl)
15	OL-0152-12/OL-0231-09	0.0		CL	Wet, soft, gray, CLAY, trace fine silt, black organic discolorations, trace organics throughout, (MARL).	Vibracore	
	OL-0152-13/OL-0231-10	0.0		CL	Wet, soft, gray, CLAY, trace fine silt, black organic discolorations, trace organics throughout, (MARL).	Vibracore	
19.7							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20077

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118596.50

Easting: 922898.40

Mud Line: 341.2 Ft

Surface Water Depth: 21.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 17.3

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0150-07/OL-0233-02	0.0		ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	SILT
5	OL-0150-08/OL-0231-11	0.0		ML	Wet, very soft, black, SILT, trace fine sand, dark gray discoloration from 30 inches to 34 inches, trace organics, petroleum-like odor.	Vibracore	
	OL-0150-09/OL-0231-12	1.9		ML	Wet, soft, black to dark gray, SILT, trace clay, trace organics, light gray discoloration at 9 inches and bottom 3 inches of core, petroleum-like odor.	Vibracore	
10	OL-0150-11/OL-0231-13	0.0		CL	0 to 5 inches is wet, soft, black, SILT, slight petroleum-like odor. Rest of core is moist, soft to medium stiff, gray, CLAY, some trace shells, sulfur odor, (MARL).	Vibracore	CLAY-SILT (MARL)
15	OL-0150-12/OL-0233-03	0.0		CL	Moist, medium stiff to soft, gray, CLAY, some silt, moderate plasticity, trace shells, slight sulfur odor, (MARL).	Vibracore	
17.3	OL-0150-13/OL-0231-14	0.0		CL	Moist, soft, gray, CLAY, some silt, trace shells, slight sulfur odor, (MARL).	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20078

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118583.70

Easting: 923175.90

Mud Line: 335.9 Ft

Surface Water Depth: 26.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0152-01/OL-0233-04	0.1		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	SILT
5	OL-0152-02/OL-0231-15	3.6		ML	Wet, soft, black, SILT, trace fine sand, trace organics, slight petroleum-like odor, trace Solvay chunks in bottom half.	Vibracore	
	OL-0152-03/OL-0233-05	0.5		SOLW	Wet, soft, gray green to light gray, last 2 inches is dark gray, silt-like grains, trace fine sands, 0.5 inch thick or smaller Solvay chunks at 28 and 38 inches, mothball odor.	Vibracore	Solvay Waste
10	OL-0152-04/OL-0231-16	0.1		SOLW	0 to 29 inches is wet, soft, dark gray to gray green, top 5 inches has 0.5 inch thick or smaller Solvay chunks, silt-like grains, trace fine sand, slight mothball odor. Rest of core is wet, soft, dark gray, CLAY, trace fine silt, moderate plasticity, sulfur odor, trace shells, (MARL).	Vibracore	
15	OL-0152-05/OL-0231-17	0.1		CL	Wet, soft, dark gray, CLAY, trace fine silt, trace shells throughout, black discoloration throughout, slight sulfur odor, (MARL).	Vibracore	CLAY-SILT (Marl)
	OL-0152-06/OL-0233-06	0.4		CL	Wet, soft, dark gray, CLAY, trace fine silt, trace shells throughout, black discoloration throughout, slight sulfur odor, (MARL).	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20079

Date: 08/17/2006

Weather: Scattered clouds 69-82 deg F

Northing: 1118450.4

Easting: 923077.2

Mud Line: 342.7 Ft

Surface Water Depth: 19.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0151-01/OL-0231-18	2.6		ML	Wet, very soft, black to dark gray, SILT, trace organics, petroleum-like odor.	Vibracore	SILT
5	OL-0151-02/OL-0231-19	2.8		SOLW	0 to 22 inches is wet, very soft, gray to gray green, silt-like grains, 0.5 inch thick or smaller Solvay chunks at top of core, mothball odor. Rest of core is dark gray to black, wet, soft, SILT, trace fine sand, petroleum-like odor (ML).	Vibracore	Solvay Waste
	OL-0151-03/OL-0233-07	0.4		SOLW	Wet, very soft, gray green, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks throughout, mothball odor.	Vibracore	SILT
10	OL-0151-04/OL-0231-20	5.9		SOLW	Top 4 inches is black. Rest of core is blue green, wet, soft, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks throughout, mothball odor.	Vibracore	SOLVAY WASTE
15	OL-0151-05/OL-0233-08	0.0		SOLW	0 to 21 inches is wet, very soft to soft, blue green, silt-like grains, trace fine sand, mothball odor. Rest of core is dark gray to gray, medium stiff to soft, moist, CLAY, some silt, trace shells, sulfur odor, (MARL).	Vibracore	
	OL-0151-06/OL-0232-01	0.0		CL	Moist, medium stiff, gray, CLAY, little silt, trace shells, trace organics, moderate plasticity, sulfur odor, (MARL).	Vibracore	CLAY/silt (MARL)
19.8							

Null field readings indicate a reading was not taken.

# Honeywell

**Weather:** Scattered clouds 69-82 deg F

Depth Units: Ft

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70016

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

# Honeywell

Northing: 1118264.30

Easting: 926210.00

Mud Line: 335.6 Ft

Surface Water Depth: 26.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Water Elev: 362.3 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0158-20/OL-0235-12	0.6		ML	Wet, very soft, black, SILT, trace clay, trace fine sand, little organics, petroleum-like odor.	Vibracore	SILT
5	OL-0159-14/OL-0233-09	0.7		ML	Wet, soft, black, SILT, trace fine sand to little fine sand, little clay, trace organics, petroleum-like odor.	Vibracore	
	OL-0159-15/OL-0233-10	3.4		ML	Wet, soft, black, SILT, trace fine sand to little fine sand, little clay, trace organics, petroleum-like odor.	Vibracore	
10	OL-0159-16/OL-0235-13	2.5		ML	Wet, soft, light gray to black, SILT, trace clay, trace fine sand, trace organics, slight petroleum-like odor and organic odor.	Vibracore	
15		1.4		CL	0 to 16 inches is wet, soft, gray, SILT, trace clay. Rest of core is wet, soft, black, CLAY and SILT, trace fine sand, moderate plasticity, trace organics.	Vibracore	SILT-CLAY
	OL-0159-18/OL-0233-11	2.5		ML	Wet, soft, black, CLAY and SILT, moderate plasticity, trace organics, petroleum-like odor.	Vibracore	
19.2							

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70017

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

# Honeywell

Northing: 1117925.90

Easting: 926250.80

Mud Line: 341.9 Ft

Surface Water Depth: 20.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 20.0

Water Elev: 362.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0157-01/OL-0233-12	1.9		OL	Wet, soft, black, SILT, some fine sand, organics, throughout, grading to dark gray, SILT at bottom of core, petroleum-like odor.	Vibracore	SILT-ORGANICS
5	OL-0157-02/OL-0235-14	4.9		SOLW	0 to 15 inches is wet, very soft to soft, dark gray to gray green, silt-like grains, trace fine sand, small 1/8 inch isolated NAPL globule at 1 inch, mothball odor and organic odor. Rest of core is grayish white, silt-like grains, trace fine sand, small pin-sized NAPL globule at 35 inches.	Vibracore	Solvay Waste
	OL-0157-03/OL-0233-13	4.7		SOLW	Wet, very soft to soft, gray green, silt-like grains, trace fine sand, dark gray discoloration from 15 to 22 inches, 0.5 inch thick or smaller Solvay chunks within the discoloration, mothball odor and slight organic odor.	Vibracore	
10	OL-0157-04/OL-0233-14	3.0		SOLW	Wet, very soft, gray green, silt-like grains, trace fine sand in upper part of core, mothball odor.	Vibracore	
15	OL-0157-05/OL-0233-15	2.0		SOLW	Wet, very soft to soft, gray green to grayish white, silt-like grains, 0.5 inch thick or smaller Solvay chunks in top 12 inches of core, trace fine sand, mothball odor.	Vibracore	
	OL-0157-06/OL-0233-16	2.3		ML	Wet, soft, dark gray with black discoloration throughout, SILT, little to trace clay, low plasticity, petroleum-like odor.	Vibracore	SILT
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-VC-70018**

Date: 08/18/2006

**Weather: Mostly cloudy 75-86 deg F**



**Northing: 1117598.10**

Easting: 926309.20

**Mud Line: 346.0 Ft**

**Surface Water Depth: 16.2 Ft**

**Drilling Company: Ocean Survey Inc**

**Logging Company: Parsons**

**Geologist: SARA CHMURA**

Penetration Depth: 20.0

**Core Recovery Depth: 19.6**

Water Elev: 362.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0155-14/OL-0233-17	0.1		ML	Wet, soft, to very soft, dark gray to black, SILT, trace clay, trace fine sand, trace organics, organic odor and slight hydrocarbon-like odor.	Vibracore	SILT
5	OL-0155-15/OL-0235-15	1.9		ML	Wet, soft, black to dark gray, SILT, trace fine sand, little to trace clay, low plasticity, petroleum and hydrocarbon-like odors, some organic fibers throughout.	Vibracore	
	OL-0155-16/OL-0233-18	2.2		SOLW	Wet, soft to very soft, dark gray, SILT, grading to dark gray to gray green Solvay at 7 inches, hydrocarbon-like odor and mothball odor, trace fine sand.	Vibracore	
10	OL-0155-17/OL-0233-19	0.7		ML	Wet, very soft to soft, dark gray, SILT, trace clay, trace fine sand, trace coal-like fragments in bottom of core, gray brown, oil-like material at 20, 21, and 22 inches, hydrocarbon-like odor and slight petroleum-like odor.	Vibracore	SILT
15	OL-0155-18/OL-0235-16	0.7		ML	Wet, soft to medium stiff, dark gray to gray, SILT, trace clay in top of core, grading to some clay at bottom of core, moderate plasticity, trace organics, trace wood at 32 inches, petroleum-like odor.	Vibracore	
	OL-0155-19/OL-0233-20	0.6		ML	Wet, to moist, black, SILT, some clay, moderate plasticity, trace organics, petroleum-like odor.	Vibracore	
19.6	Null field readings indicate a reading was not taken.						

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70019

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F



Northing: 1117503.50

Easting: 926562.20

Mud Line: 350.5 Ft

Surface Water Depth: 11.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.0

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0156-01/OL-0234-01	0.2		ML	Wet, very soft to soft, black, SILT, little to trace fine sand, trace clay, hydrocarbon-like odor in bottom half of core.	Vibracore	SILT-CLAY
5	OL-0156-02/OL-0234-02	0.0		ML	Wet, soft, black, SILT, trace to some clay, trace fine sand, moderate plasticity, trace organics, petroleum-like odor and slight hydrocarbon odor.	Vibracore	
	OL-0156-03/OL-0235-17	0.0		ML	Wet, soft, dark gray to black, SILT, some clay, low to moderate plasticity, trace organics, petroleum-like odor, hydrocarbon-like odor.	Vibracore	
10		0.0		ML	Wet, soft, dark gray to black, SILT, some clay, low to moderate plasticity, trace organics, petroleum-like odor, hydrocarbon-like odor.	Vibracore	
15	OL-0156-05/OL-0234-03	0.0		ML	Wet to moist, soft, black, SILT, some clay, moderate plasticity, fine black sand lens at 30 inches, petroleum and hydrocarbon-like odor.	Vibracore	
	OL-0156-06/OL-0235-18	0.0		CL	Wet to moist, soft, black, CLAY and SILT, moderate plasticity, gray fine grained sand lens at 15.5 inches, organic odor.	Vibracore	
19.0							

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-VC-70020**

Date: 08/18/2006

**Weather: Mostly cloudy 75-86 deg F**



**Northing: 1117125.80**

Easting: 926516.60

**Mud Line: 352.4 Ft**

**Surface Water Depth: 9.8 Ft**

**Drilling Company: Ocean Survey Inc**

**Logging Company: Parsons**

**Geologist: SARA CHMURA**

Penetration Depth: 20.0

**Core Recovery Depth: 19.2**

Water Elev: 362.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0155-01/OL-0234-04	0.0		ML	Wet, soft, black, SILT, little clay, trace fine sand, low plasticity, organic odor and slight petroleum-like odor.	Vibracore	SILT-CLAY
5	OL-0155-02/OL-0234-06	0.0		ML	Wet, soft, black, SILT, little clay, trace fine sand, low plasticity, trace organics, light gray discoloration at 23 inches, petroleum-like odor.	Vibracore	
	OL-0155-03/OL-0234-05	0.0		ML	Wet, soft, black to dark gray, SILT, some to little clay, low plasticity, trace organics, petroleum-like odor.	Vibracore	
10	OL-0155-04/OL-0234-07	0.0		ML	Wet, soft, gray to dark gray, SILT, some to little clay, low to moderate plasticity, trace organics, petroleum-like odor.	Vibracore	
15	OL-0155-05/OL-0235-19	0.0		ML	Wet, soft, black, SILT, some clay, trace fine sand, trace organics, low to moderate plasticity, brown organics at 15 inches, petroleum-like odor.	Vibracore	
	OL-0155-06/OL-0234-08	0.0		ML	Wet, soft, black, SILT, some clay, trace fine sand, trace organics, low to moderate plasticity, petroleum-like odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-VC-70021**

Date: 08/18/2006

**Weather: Mostly cloudy 75-86 deg F**



**Northing: 1117330.60**

**Easting: 926381.70**

**Mud Line: 350.3 Ft**

**Surface Water Depth: 12.0 Ft**

**Drilling Company: Ocean Survey Inc**

**Logging Company: Parsons**

**Geologist: SARA CHMURA**

Penetration Depth: 20.0

**Core Recovery Depth: 19.8**

**Water Elev: 362.3 Ft**

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0153-01/OL-0234-09	5.5		ML	Wet, soft, black to dark gray, CLAY, trace fine sand, some organics, hydrocarbon and petroleum-like odor.	Vibracore	CLAY
5	OL-0153-02/OL-0234-10	7.6		ML	0 to 22 inches is wet, soft, black to dark gray, SILT, trace fine sand, trace organics, isolated pin-sized NAPL globules at 11 inches, hydrocarbon and petroleum-like odors. Rest of core is wet, soft, gray, 0.5 inch thick or smaller Solvay chunks at 35 inches, slight hydrocarbon-like odor and slight mothball odor.	Vibracore	SILT
	OL-0153-03/OL-0235-20	2.8		SOLW	Wet, soft, gray to grayish white, silt-like grains, trace fine sand, isolated pin-sized NAPL globules at 12 inches, 1-inch thick or larger Solvay chunks in bottom half of core, mothball odor.	Vibracore	Solvay Waste
10	OL-0153-04/OL-0234-11	2.5		SOLW	Wet, soft, gray green to gray, silt-like grains, trace fine sand, trace organics at 2 inches, slight mothball odor.	Vibracore	
15	OL-0153-05/OL-0234-12	2.8		ML	0 to 24 inches is wet, soft, gray to dark gray, silt-like grains, trace fine sand, very slight mothball odor. Rest of core is wet, soft, black, SILT, trace organics.	Vibracore	
	OL-0153-08/OL-0234-13	2.8		ML	Wet, black, soft, SILT, trace fine sand, trace clay, trace organics.	Vibracore	
19.8	Null field readings indicate a reading was not taken.						

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70021A

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117330.00

Easting: 926379.50

Mud Line: 350.3 Ft

Surface Water Depth: 12.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0152-14	3.7		ML	Wet, soft, black, SILT, trace fine sands, hydrocarbon and petroleum-like odor.	Vibracore	SILT
5	OL-0152-15	4.6		ML	Wet, soft, dark gray, SILT, trace fine sand, trace organics, slight hydrocarbon and petroleum-like odors.	Vibracore	
	OL-0152-16	9.4		SOLW	Wet, soft, gray to grayish white, silt-like grains, trace fine sands, 0.5 inch thick or smaller Solvay chunks at 4 inches and 29 inches, NAPL globules at 16 and 18 inches, hydrocarbon-like odor and slight mothball odor.	Vibracore	Solvay Waste
10	OL-0152-17	1.8		SOLW	Wet, soft, light gray to gray, silt-like grains, trace fine sands, slight hydrocarbon and mothball-like odor.	Vibracore	
15	OL-0152-18	1.9		SOLW	0 to 23 inches is wet, soft, gray, silt-like grains, trace fine sand, slight hydrocarbon and petroleum-like odor. Rest of core is wet, soft, black, silt-like grains, trace fine sand, hydrocarbon and petroleum-like odors, core is a 50/50 mix of SOLW and ML	Vibracore	
	OL-0152-19	3.5		ML	Wet, soft, black, SILT, trace fine sand, trace organics throughout, slight hydrocarbon and petroleum-like odors.	Vibracore	SILT
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70022

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

# Honeywell

Northing: 1117172.1

Easting: 926817.1

Mud Line: 353.1 Ft

Surface Water Depth: 9.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0156-07/OL-0236-01	0.0		ML	Wet, very soft to soft, dark gray to black, SILT, trace clay, trace fine sand, petroleum-like odor and hydrocarbon-like odor.	Vibracore	SILT-CLAY
5	OL-0156-08/OL-0234-14	0.0		ML	Wet, soft, black, SILT, some to little clay, light gray discoloration at 10 and 19 inches, trace organics, hydrocarbon-like odor.	Vibracore	
	OL-0156-09/OL-0234-15	0.0		ML	Wet to moist, black, soft, SILT, some clay, trace organics, petroleum-like odor, bottom 4 inches is a fine sand, gravel and wood layer, strong petroleum-like odor in bottom.	Vibracore	
10	OL-0156-10/OL-0234-16	0.0		ML	Wet to moist, black, soft, SILT, some clay, trace fine sand, moderate plasticity, fine sand and wood seam at 36 inches, slight hydrocarbon-like odor.	Vibracore	
15	OL-0156-11/OL-0234-17	0.1		CL	Wet to moist, soft, black, CLAY and SILT, slight petroleum-like odor, moderate plasticity, one inch long wood fragment at 36 inches.	Vibracore	
19.2	OL-0156-12/OL-0236-02	0.0		CL	0 to 3 inches is wet, loose, black, silt and fine sand, trace organics. Rest of core is moist, medium stiff to soft, black to dark gray, CLAY, some silt, trace shells, organics odor, light gray fine sand seam at 14 inches (MARL).	Vibracore	CLAY-SILT (Marl)

Null field readings indicate a reading was not taken.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70023

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F



Northing: 1116853.60

Easting: 926348.60

Mud Line: 356.5 Ft

Surface Water Depth: 5.9 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.5

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0155-07/OL-0234-18	3.9		ML	Wet, soft, dark gray with black organic discoloration throughout, SILT, little to trace clay, trace fine sand, petroleum-like odor and slight organic odor.	Vibracore	SILT
5	OL-0155-08/OL-0234-19	1.9		ML	Wet, soft, black to dark gray, SILT, some clay, low to moderate plasticity, 1/16 inch thick fine sand seam at 15 inches, strong petroleum-like odor.	Vibracore	
	OL-0155-10/OL-0236-03	2.5		ML	Wet, soft, dark gray, with black discoloration throughout, SILT, little to trace clay, low plasticity, petroleum-like odor and slight hydrocarbon-like odor.	Vibracore	
10	OL-0155-11/OL-0236-04	0.0		SOLW	Wet, soft, dark gray, SILT, trace clay, grading to gray green, silt-like grains at 19 inches, small pin-sized NAPL globules at 12, mothball odor and slight petroleum-like odor.	Vibracore	Solvay Waste
15	OL-0155-12/OL-0234-20	0.0		ML	Wet, soft, dark gray, black, SILT, little to trace clay, trace fine sand, low plasticity, tan discoloration with an oil-like texture from 9 to 12 inches.	Vibracore	SILT
	OL-0155-13/OL-0235-01	0.0		ML	Wet, soft, black, SILT, some clay, moderate plasticity, trace organics, petroleum-like odor.	Vibracore	
19.5							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70024

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1116857.8

Easting: 926641.2

Mud Line: 356.0 Ft

Surface Water Depth: 6.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.5

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0154-07/OL-0235-02	0.1		ML	0 to 18 inches is wet, soft, dark gray to black, SILT and SAND, petroleum-like odor (SM). Rest of core is wet, soft, black, SILT, little to trace fine sand, trace clay, petroleum-like odor.	Vibracore	SILT-SAND
5	OL-0154-08/OL-0235-03	1.1		ML	Wet, soft, black, SILT, trace clay, trace fine sand, trace organics, petroleum-like odor.	Vibracore	SILT-CLAY
	OL-0154-09/OL-0235-04	2.6		ML	Wet, soft, black, dark gray, SILT, some clay, moderate plasticity to low plasticity, petroleum-like odor.	Vibracore	
10	OL-0154-10/OL-0235-05	2.0		ML	Wet, soft, black, SILT, some clay, trace fine sand, trace organics, low to moderate plasticity, petroleum-like odor.	Vibracore	
15	OL-0154-11/OL-0235-05	0.9		ML	Moist to wet, black, soft, SILT, some clay, moderate plasticity, little organics, 4 inch long piece of timber at 28 inches, petroleum-like odor.	Vibracore	
	OL-0154-13/OL-0235-06	0.1		ML	Moist to wet, black, soft, SILT, some clay, moderate plasticity, little organics, petroleum-like odor.	Vibracore	
18.5							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70024A

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1116858.0

Easting: 926638.4

Mud Line: 356.0 Ft

Surface Water Depth: 6.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.0

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0154-01	0.9		ML	Wet, soft, black, SILT, little fine sand, trace organics.	Vibracore	SILT-CLAY
5	OL-0154-02	4.1		ML	Wet, soft, black to dark gray, SILT, some clay, trace fine sand in top half of core, low plasticity, petroleum-like odor.	Vibracore	
	OL-0154-03	1.4		ML	Wet, soft, dark gray to black to dark gray, SILT, some clay, trace fine sand in top half of core, low plasticity, petroleum-like odor.	Vibracore	
10	OL-0154-04	0.6		ML	Wet, soft, black, SILT, little clay, low plasticity, trace organics, petroleum-like odor.	Vibracore	
15	OL-0154-05	0.2		ML	Wet, soft, black, SILT, some clay, moderate plasticity, trace organics, 0.5 inch thick gray, fine grained, sand seam at 17 inches, petroleum-like odor.	Vibracore	
	OL-0154-06	0.1		ML	Wet, soft, black, SILT, some clay, moderate plasticity, trace organics, coal-like fragments throughout, petroleum-like odor.	Vibracore	
19.0							

Null field readings indicate a reading was not taken.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70031

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1117865.50

Easting: 926518.00

Mud Line: 341.7 Ft

Surface Water Depth: 20.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.2

Water Elev: 362.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0156-13/OL-0235-07	0.1	0.0	ML	Wet, very soft to soft, black, SILT, trace clay, trace fine sand, organic odor.	Vibracore	SILT
5	OL-0156-14/OL-0235-08	1.1	0.0	ML	Wet, soft, black, SILT, little to some clay, trace organics, low plasticity, slight petroleum-like odor.	Vibracore	
	OL-0156-16/OL-0235-08	2.4	0.0	ML	Wet, soft, dark gray to black, SILT, little to trace clay, low plasticity, some organics, petroleum-like odor.	Vibracore	
10	OL-0156-17/OL-0235-09	1.4	0.0	ML	Wet to moist, soft, black, SILT and CLAY, low plasticity to moderate plasticity, trace organics, petroleum-like odor.	Vibracore	SILT-CLAY
14	OL-0156-18/OL-0235-10	0.0	0.0	ML	Wet, soft, black with dark gray, SILT, some clay, low plasticity, trace organics, petroleum-like odor and slight hydrocarbon odor.	Vibracore	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70031

Date: 08/19/2006

Weather: Overcast light rain 72-76 deg F

Northing: 1117865.50

Easting: 926518.00

Mud Line: 341.7 Ft

Surface Water Depth: 20.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 18.2

Water Elev: 362.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
14	OL-0156-18/OL-0235-10  OL-0156-19/OL-0235-11	0.0	0.0	ML	Wet, soft, black with dark gray, SILT, some clay, low plasticity, trace organics, petroleum-like odor and slight hydrocarbon odor.	Vibracore	SILT-CLAY
15				CL	Moist, soft, black, CLAY and SILT, moderate plasticity, organics, organic odor.	Vibracore	
18.2							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70032

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117342.10

Easting: 926402.50

Mud Line: 349.9 Ft

Surface Water Depth: 12.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0154-14	1.8		ML	Wet, soft, black, SILT, trace fine sand, little organics, petroleum-like odor.	Vibracore	SILT
5	OL-0154-15	4.0		ML	Wet, soft, black to dark gray, SILT, trace clay, trace organics, slight petroleum-like odor.	Vibracore	
	OL-0154-16	0.9		SOLW	Wet, soft, gray, silt-like grains, trace fine sand, trace organics, dark gray discoloration from 30 to 36 inches, mothball odor.	Vibracore	Solvay Waste
10	OL-0154-17	0.7		ML	Wet, soft, dark gray, SILT, little to trace clay, trace fine sand, low plasticity, hydrocarbon-like odor and slight petroleum-like odor.	Vibracore	SILT
15	OL-0154-18	1.3		ML	Wet, soft, dark gray to black, SILT, some clay, trace fine sand in top half of core, moderate plasticity, trace organics, petroleum-like odor.	Vibracore	SILT-CLAY
	OL-0154-19	0.0		ML	Wet, soft, black to dark gray, SILT, some clay, trace fine sand, moderate plasticity, petroleum-like odor.	Vibracore	
19.8							

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70033

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117304.80

Easting: 926380.30

Mud Line: 350.8 Ft

Surface Water Depth: 11.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.8

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0153-14	4.5		ML	Wet, soft, black, SILT, trace fine sand, trace organics, slight hydrocarbon-like and petroleum-like odor.	Vibracore	SILT
5	OL-0153-15	1.8		ML	Wet, soft, black, SILT, trace fine sand, trace clay, isolated pin-sized NAPL pockets from 16 to 17 inches, slight petroleum-like odor.	Vibracore	
	OL-0153-16	3.8		SOLW	0 to 10 inches is wet, soft, gray, SILT, trace fine sand, slight hydrocarbon-like odor, (ML) grading toward Solvay. Rest of core is wet, soft, light gray to grayish white, silt-like grains, trace fine sand, 1-inch thick or larger Solvay chunks from 22 to 27 inches, slight mothball odor and slight hydrocarbon-like odor, isolated pin-sized NAPL globule at 15 and 18 inches	Vibracore	Solvay Waste
10	OL-0153-17	3.6		SOLW	0 to 24 inches is wet, soft, grayish white to gray, silt-like grains, trace fine sand, 0.5 inch thick or smaller Solvay chunks from 1 to 5 inches, hydrocarbon-like odor and slight mothball-like odor, grading toward silt and Solvay. Rest of core is wet, soft, gray, SILT, trace fine sand, slight hydrocarbon-like and mothball-like odors.	Vibracore	
15	OL-0153-18	1.2		ML	Wet, soft, gray to black, SILT, little clay, slight hydrocarbon-like odor.	Vibracore	SILT
19.8	OL-0153-19	1.3		ML	Wet, soft, black, SILT, some clay, trace organics throughout, slight hydrocarbon-like odor.	Vibracore	SILT-CLAY

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70034

Date: 08/18/2006

Weather: Mostly cloudy 75-86 deg F

Northing: 1117342.60

Easting: 926358.60

Mud Line: 350.3 Ft

Surface Water Depth: 12.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA

Penetration Depth: 20.0

Core Recovery Depth: 19.2

Water Elev: 362.3 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0153-07	1.2		ML	Wet, soft, black to dark gray, SILT, trace fine sand, trace organics.	Vibracore	SILT
5	OL-0153-08	10.6		ML	Wet, soft, black to dark gray, SILT, trace fine sand, trace organics, slight hydrocarbon-like odor.	Vibracore	
	OL-0153-10	3.8		SOLW	0 to 12 inches is wet, soft, gray, SILT, trace fine sand, (ML) grading to Solvay, light gray to light gray green, wet, soft, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks throughout, slight mothball odor.	Vibracore	
10	OL-0153-11	3.0		SOLW	Wet, soft, gray green to gray, silt-like grains, trace fine sand, slight mothball odor.	Vibracore	Solvay Waste
15	OL-0153-12	1.4		ML	Wet, soft, gray to black, SILT, bottom half of core is trace fine sand, trace clay.	Vibracore	SILT
	OL-0153-13	1.4		ML	Wet, soft, black, SILT, some clay, trace organics throughout.	Vibracore	
19.2							

Null field readings indicate a reading was not taken.



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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80028

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118619.20

Easting: 923386.49

Mud Line: 328.7 Ft

Surface Water Depth: 34.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 17.2

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-0207-10	0.3		ML	Wet, soft, black, SILT, little clay, strong petroleum odor.	Vibracore	
	OL-0207-11/OL-0281-07	0.4		ML	Wet, soft, black, SILT, little to some clay, low plasticity, strong petroleum odor.	Vibracore	
	OL-0207-12/OL-0271-15	2.1		ML	Wet, soft, black to gray to black, SILT, little to some clay, trace fine sand, low plasticity in bottom half of core, very strong petroleum-like odor.	Vibracore	Silt
5	OL-0207-13	0.8		ML	0 to 11 inches is wet, soft, black, SILT, trace fine sand, coal-like fragments from 7 to 9 inches, strong petroleum-like odor. 11 to 27 inches is wet, very soft to soft, greenish-blue, SILT and silt-like grains, trace fine sand, mothball odor (SOLV). 27 inches to end of core is wet, soft, greenish-blue to black, SILT, little clay, trace fine sand, mothball-and petroleum-like odor.	Vibracore	Solvay Waste
10	OL-0207-15/OL-0271-16						Silt

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80028

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118619.20

Easting: 923386.49

Mud Line: 328.7 Ft

Surface Water Depth: 34.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 17.2

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
10	OL-0207-15/OL-0271-16	0.5		CL	0 to 9 inches is wet, soft, black, SILT, little to some clay, trace fine sand, coal-like fragments in upper 2 inches, slight petroleum-like odor (ML). 9 inches to end of core is wet, medium stiff, dark grayish-brown, SILT and CLAY, trace fine sand, moderate to high plasticity, black discoloration throughout (CL).	Vibracore	Silt
15	OL-0207-16/OL-0271-17	0.4		CL	Wet, medium stiff, dark grayish-brown, CLAY and SILT, black discoloration throughout.	Vibracore	Clay/Silt
17.2	OL-0207-17/OL-0271-18	0.5		CL	Wet, medium stiff, dark grayish-brown, CLAY and SILT, black discoloration throughout.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80029

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118587.03

Easting: 924083.93

Mud Line: 330.1 Ft

Surface Water Depth: 32.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 20.0

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-0207-18	1.1		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
	OL-0207-19	5.4		SOLW	Wet, very soft, grayish-green to grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
5	OL-0207-20/OL-0281-08	5.2		SOLW	Wet, soft, whitish-green, silt-like grains, trace fine sand, 0.5 inch thick Solvay chunks in upper 6 inches, mothball odor.	Vibracore	Solvay Waste
	OL-0208-01/OL-0271-11	13.6		SOLW	Wet, soft, grayish-blue to light green to grayish-green, silt-like grains, trace fine sand, black discoloration from 3 to 4 inches and from 28 to 29 inches, coal-like fragments from 3 to 4 inches, mothball odor.	Vibracore	
10	OL-0208-02/OL-0271-12						

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80029

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118587.03

Easting: 924083.93

Mud Line: 330.1 Ft

Surface Water Depth: 32.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 20.0

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
10	OL-0208-02/OL-0271-12	10.6		SOLW	0 to 26 inches is wet, soft, grayish-green, silt-like grains, trace fine sand, some degraded NAPL globules from 11 to 26 inches, mothball and petroleum-like odor (SOLW). Rest of core is wet, soft, dark gray, SILT, trace fine sand, petroleum-like odor (ML).	Vibracore	
15	OL-0208-03/OL-0271-13	6.4		SOLW	Wet, soft, grayish-green to light grayish-green, silt-like grains, trace fine sand, black discoloration from 21 to 25 inches, small Solvay chunks within discoloration.	Vibracore	Solvay Waste
20.0	OL-0208-04/OL-0271-14	14.2		SOLW	Wet, soft, grayish-green to grayish-white, silt-like grains, trace fine sand, black discoloration from 4 to 5 inches, pin size NAPL globules from 20.5 to 24 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80030

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118544.70

Easting: 924725.98

Mud Line: 331.2 Ft

Surface Water Depth: 31.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 20.0

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-0208-06	2.9		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
	OL-0208-07	5.2		SOLW	0 to 9 inches is wet, soft black, SILT and silt-like grains, trace fine sand, 0 to 0.5 inch thick Solvay chunks from 4 to 8 inches. Rest of core is wet, soft, green to grayish-green silt-like grains, trace fine sand, mothball odor.	Vibracore	
5	OL-0208-08/OL-0281-17	3.9		SOLW	Wet, soft, grayish-green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
	OL-0208-09/OL-0272-03	4.6		SOLW	Wet, soft, grayish-green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0208-10/OL-0272-04						

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80030

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118544.70

Easting: 924725.98

Mud Line: 331.2 Ft

Surface Water Depth: 31.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 20.0

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
10	OL-0208-10/OL-0272-04	2.1		SOLW	0 to 4 inches is wet, soft, black, silt-like grains, trace fine sand, small Solvay chunks throughout, mothball odor. Rest of core is wet, soft grayish-white to grayish-green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0208-11/OL-0272-05	2.9		SOLW	Wet, soft, grayish-white to grayish-green, silt-like grains, trace fine sand, dark gray discoloration at 39 inches and 42 inches, mothball odor.	Vibracore	Solvay Waste
20.0	OL-0208-12/OL-0272-06	2.0		SOLW	Wet, soft, grayish-green to grayish-white, silt-like grains, trace fine sand.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80031

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118458.26

Easting: 925320.47

Mud Line: 328.7 Ft

Surface Water Depth: 34.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 20.0

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-0210-01/OL-0272-07	1.3		SOLW	Wet, soft, dark gray, SILT and silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0210-02/OL-0272-08	3.4		SOLW	Wet, soft, blue-green to grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
5	OL-0210-03/OL-0272-09	3.4		SOLW	Wet, soft, grayish-green, silt-like grains, trace fine sand, black discoloration from 30 to 34 inches, mothball odor.	Vibracore	Solvay Waste
	OL-0210-04/OL-0272-10	1.9		SOLW	Wet, soft, grayish-white, silt-like grains, trace fine sand, pin size NAPL globules from 5 to 8 inches, mothball odor.	Vibracore	
10	OL-0210-05/OL-0272-11						

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80031

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118458.26

Easting: 925320.47

Mud Line: 328.7 Ft

Surface Water Depth: 34.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 20.0

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
10	OL-0210-06/OL-0272-11	1.9		SOLW	Wet, soft, grayish-white, silt-like grains, trace fine black sand, black discoloration from 34 to 35 inches and dark gray from 37 inches to end of core, mothball odor.	Vibracore	Solvay Waste
15	OL-0210-07/OL-0272-12	2.2		SOLW	Wet to moist, soft to hard, grayish-green to grayish-white, silt-like grains, trace fine sand, dark gray discoloration from 11 to 13 inches, isolated pin size NAPL globules at 18 inches, mothball odor.	Vibracore	
20.0	OL-0210-08/OL-0272-13	18.6		SOLW	Wet, soft, grayish-white to grayish-green, silt-like grains, trace fine sand, dark gray discoloration from 26 to 30 inches, mothball odor.	Vibracore	

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80032

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118423.13

Easting: 926062.69

Mud Line: 295.6 Ft

Surface Water Depth: 31.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 18.4

Water Elev: 326.6 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0210-09	0.9		ML	Wet, very soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	Silt
	OL-0210-10/OL-0281-04	1.1		ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
	OL-0210-11	3.9		ML	Wet, soft, black, SILT, little clay, trace fine sand, little organics in bottom half, slight petroleum-like odor.	Vibracore	
5	OL-0210-12/OL-0272-14	0.7		SOLW	0 to 12 inches is wet soft, black, SILT, little clay, trace fine sand, slight petroleum-like odor (ML). 12 to 24 inches is wet, soft, dark gray, SILT and silt-like grains, trace fine sand, isolated pin size NAPL globules at 25 inches, slight mothball odor, 24 inches to end of core is wet, soft, grayish-white silt-like grains, trace fine sand, mothball odor (SOLW).	Vibracore	Solvay Waste
10	OL-0210-13/OL-0272-15						

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80032

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118423.13

Easting: 926062.69

Mud Line: 295.6 Ft

Surface Water Depth: 31.0 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 18.4

Water Elev: 326.6 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
10	OL-0210-13/OL-0272-15	1.1		ML	0 to 5 inches is wet, soft dark grayish-green silt-like grains, little fine sand, mothball odor (SOLW). 5 inches to rest of core is wet, soft, gray, SILT, little clay, trace fine sand, slight petroleum-like odor (ML).	Vibracore	Solvay Waste
15	OL-0210-14/OL-0272-16	3.5		ML	Wet, soft, black, SILT, some clay, trace fine sand, low to moderate plasticity, trace organics, slight petroleum-like odor.	Vibracore	Silt
18.4	OL-0210-15/OL-0272-17	1.0		ML	Wet, soft, black, SILT, some clay, trace fine sand, low to moderate plasticity, trace organics, slight petroleum-like odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80033

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118853.27

Easting: 923782.94

Mud Line: 317.3 Ft

Surface Water Depth: 45.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Water Elev: 362.7 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0210-16/OL-0281-09	0.7		ML	Wet, soft, black, SILT, little clay, trace fine sand, slight petroleum-like odor.	Vibracore	Silt
	OL-0210-17	2.1		ML	Wet, soft, black, SILT, little clay, trace fine sand, slight petroleum-like odor.	Vibracore	
	OL-0210-18/OL-0271-01	5.9		ML	Wet, soft, gray, silt and silt-like grains, trace clay, trace fine sand, black discoloration from 20 to 28 inches, mothball odor.	Vibracore	
5	OL-0211-01/OL-0271-02	12.6		SOLW	Wet, soft, dark gray to grayish-green, silt-like grains, trace fine sand, NAPL stringer in top 1 inch, several isolated NAPL globules throughout entire core, mothball odor.	Vibracore	Solvay Waste
10	OL-0211-02/OL-0271-03						

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80033

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118853.27

Easting: 923782.94

Mud Line: 317.3 Ft

Surface Water Depth: 45.4 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 19.7

Water Elev: 362.7 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
10	OL-0211-02/OL-0271-03	1.7		SOLW	Wet, soft, dark grayish-green to light grayish-green, silt-like grains, trace fine sand, NAPL stringer in top 1 inch, several mid size NAPL globules from 0 to 23 inches, mothball odor.	Vibracore	
15	OL-0211-03/OL-0271-04	2.0		SOLW	Wet, soft, grayish-green to green, silt-like grains, trace fine sand, black discoloration from 4 to 5 inches and 11 to 27 inches, mothball odor.	Vibracore	Solvay Waste
19.7	OL-0211-04/OL-0271-05	2.5		SOLW	0 to 20 inches wet, soft, greenish-blue to gray, silt-like grains, trace fine sand, mothball odor. Rest of core is wet, soft, black SILT and silt-like grains, trace fine sand, small Solvay chunks within, little clay in bottom 4 inches, faint petroleum-like odor.	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80034

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118808.82

Easting: 924390.58

Mud Line: 317.3 Ft

Surface Water Depth: 45.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 19.6

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-0211-06/OL-0281-10	0.8		ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	Silt
	OL-0211-07	0.9		ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
5	OL-0211-08/OL-0271-06	2.5		SOLW	Wet, soft to very soft, black to grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
	OL-0211-09/OL-0271-07	3.2		SOLW	Wet, soft, grayish-white to green to gray, silt-like grains, trace fine sand, black discoloration from 8 to 9 inches, mothball odor.	Vibracore	
10	OL-0211-10/OL-0271-08						

## BORING LOG

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# Honeywell

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Northing: 1118808.82

Easting: 924390.58

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Surface Water Depth: 45.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 19.6

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
10	OL-0211-10/OL-0271-08	4.2		ML	Wet, soft dark gray silt and silt-like grains, trace fine sand, mothball odor.	Vibracore	
15	OL-0211-11/OL-0271-09	19.0		SOLW	0 to 31 inches is wet, soft, greenish-blue to grayish-white to greenish-blue, silt-like grains, trace fine sand, several pin size NAPL globules throughout, NAPL stringer at 19 inches, mothball odor. Rest of core is wet, soft, dark gray, silt and silt-like grains, trace fine sand, little clay in last 3 inches, slight mothball odor.	Vibracore	Solvay Waste
19.6	OL-0211-12/OL-0271-10	10.9		ML	Wet, soft, black, silt and silt-like grains, trace fine sand, trace organics, petroleum-like odor.	Vibracore	Silt/solvay waste

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80035

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118788.21

Easting: 925064.00

Mud Line: 320.0 Ft

Surface Water Depth: 42.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 19.0

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-0211-13/OL-0281-18	0.5		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
	OL-0211-14	0.8		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
5	OL-0211-15/OL-0273-11	2.9		SOLW	0 to 20 inches is wet, soft, black to dark gray, silt and silt-like grains, trace fine sand, trace organics, slight petroleum-like and mothball odor. Rest of core is grayish-green to grayish-white, silt-like grains, trace fine sand, isolated pin size NAPL globules at 23 inches and 36 inches, mothball odor.	Vibracore	
	OL-0211-16/OL-0273-12	8.1		SOLW	Wet, soft, light grayish-green to gray, silt-like grains, trace fine sand, dark gray discoloration from 15 to 22 inches, small Solvay chunks within, mothball odor.	Vibracore	Solvay Waste
10	OL-0211-17/OL-0273-13						

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80035

Date: 10/09/2006

Weather: 60 degrees F, winds 4 mph

Northing: 1118788.21

Easting: 925064.00

Mud Line: 320.0 Ft

Surface Water Depth: 42.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 19.0

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
10	OL-0211-17/OL-0273-13	1.8		ML	Wet, soft, gray to dark gray, SILT, trace fine sand, little clay in last 12 inches of core, slight petroleum-like odor.	Vibracore	Silt
15	OL-0211-18/OL-0273-14	5.1		ML	Wet, soft, black, SILT, little to some clay, trace fine sand, low to moderate plasticity, trace organics, petroleum-like odor.	Vibracore	
19.0	OL-0211-19/OL-0273-15	0.9		ML	Wet, soft, black, SILT, little to some clay, low to moderate plasticity, petroleum-like odor.	Vibracore	

Null field readings indicate a reading was not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80036

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1118777.25

Easting: 925582.28

Mud Line: 321.6 Ft

Surface Water Depth: 41.1 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 18.5

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-0215-01/OL-0281-19	0.7		ML	Wet, very soft, black, SILT, trace fine sand.	Vibracore	Silt
	OL-0215-02	0.7		ML	Wet, soft, black, SILT, trace fine sand.	Vibracore	
5	OL-0215-03/OL-0273-07	9.8		ML	0 to 24 inches is wet, soft, black, SILT, little to some clay, low plasticity, trace fine sand, petroleum-like odor. Rest of core is wet, very soft, gray, SILT and silt-like grains, trace fine sand, slight petroleum-like and mothball odor.	Vibracore	
	OL-0215-04/OL-0281-20	9.7		ML	Wet, soft, dark gray to gray, SILT, little silt-like grains, trace fine sand, petroleum-like odor.	Vibracore	Silt/solvay waste
10	OL-0215-05/OL-0273-08						

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80036

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1118777.25

Easting: 925582.28

Mud Line: 321.6 Ft

Surface Water Depth: 41.1 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 18.5

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
10	OL-0215-05/OL-0273-08	5.2		ML	Wet, soft, black, SILT, little to some clay, trace fine sand, low to moderate plasticity, petroleum-like odor.	Vibracore	Silt
15	OL-0215-06/OL-0273-09	11.3		ML	Wet, soft, black SILT, some clay, trace fine sand, moderate plasticity, trace organics in bottom top, petroleum-like odor.	Vibracore	
18.5	OL-0215-07/OL-0273-10	0.8		ML	0 to 17 inches is wet, soft, black to dark grayish-brown, SILT, some clay, moderate plasticity. Rest of core is wet to medium stiff, dark grayish-brown, CLAY and silt (CL).	Vibracore	
							Clay/Silt

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80050

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1119232.37

Easting: 924201.85

Mud Line: 308.0 Ft

Surface Water Depth: 54.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 17.0

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-0215-09/OL-0273-04	0.4		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
	OL-0215-10/OL-0273-05	1.7		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
5	OL-0215-11/OL-0282-01	17.1		ML	Wet, very soft, black to dark gray, SILT, little fine sand, petroleum-like odor.	Vibracore	
	OL-0215-12/OL-0273-06	2.1		ML	Wet, soft, black, SILT, trace clay, trace fine sand, petroleum-like odor.	Vibracore	
10	OL-0215-13						

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80050

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1119232.37

Easting: 924201.85

Mud Line: 308.0 Ft

Surface Water Depth: 54.6 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 17.0

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
10	OL-0215-13	1.1		CL	0 to 15 inches is wet, soft, black, SILT, little to some clay, low to moderate plasticity. Rest of core is wet, soft to medium stiff, dark grayish-brown CLAY and SILT, moderate plasticity, trace shells.	Vibracore	Silt
15	OL-0215-14/OL-0282-02	1.1		CL	Wet, soft to medium stiff, dark grayish-brown, CLAY and SILT, moderate plasticity, trace shells, sulfur odor (MARL).	Vibracore	Marl
17.0	OL-0215-15	0.8		CL	Wet, soft to medium stiff, dark grayish-brown, CLAY and SILT, moderate plasticity, trace shells, sulfur odor (MARL)	Vibracore	

Null field readings indicate a reading was not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80051

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1119150.99

Easting: 925420.10

Mud Line: 314.4 Ft

Surface Water Depth: 48.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 19.0

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-0217-01	0.9		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
	OL-0217-02	0.7		ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
	OL-0217-03	2.3		ML	Wet, soft, black, SILT, trace fine sand grading to wet, very soft, grayish-white silt-like grains, trace fine sand, petroleum-like odor.	Vibracore	Silt
5	OL-0217-04	2.2		ML	0 to 17 inches is wet, very soft, grayish-white to gray, SILT and silt-like grains, little fine sand, slight petroleum and mothball odor. Rest of core is wet soft dark gray to black, silt and silt-like grains, trace clay, trace fine sand, very small Solvay chunks from 19 to 22 inches, petroleum-like odor.	Vibracore	
10	OL-0217-05						Silt/solvay waste

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80051

Date: 10/10/2006

Weather: 57 degrees F, winds 5 mph

Northing: 1119150.99

Easting: 925420.10

Mud Line: 314.4 Ft

Surface Water Depth: 48.2 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: HILLARY SLETTEN

Penetration Depth: 20.0

Core Recovery Depth: 19.0

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
10	OL-0217-05	0.9		ML	Wet, soft, black, SILT, little to some clay, trace fine sand, low to moderate plasticity, petroleum-like odor.	Vibracore	Silt
15	OL-0217-06	0.8		ML	0 to 11 inches is wet, soft, black, SILT, some clay, trace fine sand, low to moderate plasticity. Rest of core is wet, soft, dark grayish-brown, SILT and CLAY, moderate plasticity, trace shells.	Vibracore	Silt/Clay
19.0	OL-0217-07	0.6		ML	Wet, medium stiff, dark grayish-brown, SILT and CLAY, moderate plasticity, trace shells.	Vibracore	

Null field readings indicate a reading was not taken.