

December 17, 2010

SEVEN HILLS LAKE ASSOCIATION William Noel 66 LaCrosse Road Kent Lakes, New York 10512

On November 15th Allied Biological was on site at Seven Hills Lake to perform sediment depth analysis, sediment collection and bathymetric lake mapping as part of a Hydro-Raking Feasibility Study. Two sediment samples were collected for lab analysis, one from the center of the northern cove, and the second from the north central lake area. Field biologists collected the samples from a 14 foot aluminum boat, using a clean two inch diameter hand corer. After piloting to the site, five core samples were collected and placed in a clean HDPE bucket for dewatering. Using nitrile gloves, the sample was hand-mixed and placed in a glass sample jar with no head space. The sample jar was labeled with the Lake name, sample location, date and initials of the sampler. The sample was stored in a cooler stocked with blue-ice packs, and then in a refrigerator in Allied Biological's lab until the samples were picked up for analysis.

At the analytical laboratory, the following suite of analysis was performed at the request of the client: Physical Analysis (percent solids), Volatile Organics, Target Analyte Metals Screen, Pesticides, and PCB's. The results summary packet (12 pages) is included in this package.

Thirteen metals were analyzed with method SW 846-6010B, and the results are presented on the first page of the summary document. Using gravimetric methods, the percent solids were analyzed with a result of 84.1%. PCB's were analyzed with method SW 846 8082, and all seven were undetected. Pesticides were analyzed with method SW 846 8081A, and all twenty were undetected. Volatile Organics were analyzed with method SW 846 8260B and all 62 compounds were undetected. Based on results of all tested elements and compounds, there are no levels that would exceed any limits for toxicity.

If you have any questions regarding this Sediment Sampling Summary Letter, please contact me at the office at (908) 850-0303, or via e-mail at bob@alliedbiological.com.

Sincerely

Bob Schindler Aquatic Biologist

NJ DEP #07010/NY DOH #11634 CT #PH-0233

ANALYTICAL RESULTS SUMMARY

Client

Allied Biological Inc

580 Rockport Rd.

Hackettstown, NJ 07840

Contact

Chris Doyle

Project

Report Date 12/09/2010 9:03

APL Order ID Number

10110681

Date Sampled

11/15/2010 12:00 11/18/2010 9:51

Date Received

Seven Hills Lake

Matrix

Soil

Site

Customer Service Rep.

Sample No		Method	Analysis Time	Analyst	Result	Units	
- arain			y			January Company	
10110681-001	Site A						72
Antimony		SW 846 6010B	12/01/2010 11:40	MARKA	< 0.48	mg/kg	
Arsenic		SW 846 6010B	12/01/2010 11:40	MARKA	0.53	mg/kg	
Beryllium		SW 846 6010B	12/01/2010 11:40	MARKA	< 0.024	mg/kg	
Cadmium		SW 846 6010B	12/01/2010 11:40	MARKA	0.15	mg/kg	
Chromium		SW 846 6010B	12/01/2010 11:40	MARKA	5.66	mg/Kg	
Copper		SW 846 6010B	12/01/2010 11:40	MARKA	16.8	mg/kg	
_ead		SW 846 6010B	12/01/2010 11:40	MARKA	13.5	mg/kg	
Mercury		SW 846 7471A	11/29/2010 11:24	ASTOICA	0.042	mg/kg	
Vickel		SW 846 6010B	12/01/2010 11:40	MARKA	6.03	mg/kg	
CBs		SW 846 8082		BOB	SA		
Percent Solids		Gravimetric	11/19/2010 11:51	MARKA	84.1	%	
Pesticides		SW 846 8081A		BOB	SA		
Selenium		SW 846 6010B	12/01/2010 11:40	MARKA	< 0.6	mg/kg	
Silver		SW 846 6010B	12/01/2010 11:40	MARKA	< 0.72	mg/Kg	
Thallium		SW 846 6010B	12/01/2010 11:40	MARKA	< 0.48	mg/kg	
/olatile Organics		SW 846 8260B		OLGA	SA		
Zinc		SW 846 6010B	12/01/2010 11:40	MARKA	49.5	mg/kg	

SA: See attached report

Brian Wood Laboratory Director

QA

NJ DEP #07010/NY DOH #11634 CT #PH-0233

ANALYTICAL RESULTS SUMMARY

Client

Allied Biological Inc

580 Rockport Rd.

Hackettstown, NJ 07840

Contact

Project

Chris Doyle

Report Date 12/09/2010 9:03

APL Order ID Number

10110681

Date Sampled

11/15/2010 13:30 11/18/2010 9:51

Date Received Matrix

Soil

Site

Seven Hills Lake

Customer Service Rep.

Sample Number/ Parameter		Method	Analysis Time	Analyst	Result	Units	
10110681-002	Site B						
Antimony		SW 846 6010B	12/01/2010 11:43	MARKA	< 0.56	mg/kg	
Arsenic		SW 846 6010B	12/01/2010 11:43	MARKA	0.51	mg/kg	
Beryllium		SW 846 6010B	12/01/2010 11:43	MARKA	< 0.03	mg/kg	
Cadmium		SW 846 6010B	12/01/2010 11:43	MARKA	< 0.06	mg/kg	
Chromium		SW 846 6010B	12/01/2010 11:43	MARKA	8.16	mg/Kg	
Copper		SW 846 6010B	12/01/2010 11:43	MARKA	9.70	mg/kg	
Lead		SW 846 6010B	12/01/2010 11:43	MARKA	14.1	mg/kg	
Mercury		SW 846 7471A	11/29/2010 11:24	ASTOICA	0.055	mg/kg	
Nickel		SW 846 6010B	12/01/2010 11:43	MARKA	7.5	mg/kg	
PCBs		SW 846 8082		BOB	SA		
Percent Solids		Gravimetric	11/19/2010 11:51	MARKA	84.5	%	
Pesticides		SW 846 8081A		BOB	SA		
Selenium		SW 846 6010B	12/01/2010 11:43	MARKA	< 0.7	mg/kg	
Silver		SW 846 6010B	12/01/2010 11:43	MARKA	< 0.84	mg/Kg	
Thallium		SW 846 6010B	12/01/2010 11:43	MARKA	< 0.56	mg/kg	
Volatile Organics		SW 846 8260B		OLGA	SA		
Zinc		SW 846 6010B	12/01/2010 11:43	MARKA	54.7	mg/kg	

SA: See attached report

Brian Wood Laboratory Director

PCB ANALYTICAL REPORT

Method 8082 S

Client:

Allied Biological

Lab Sample ID:

10110681-1

Project:

Seven Hills

GC Run ID:

3B3673

Sample ID:

Site A

Extraction Date:

12/1/10

Date Sampled:

11/15/10

Sample Wt /Vol:

15 g

Matrix: (soil/water):

Soil

Final Volume (ml):

10

% Moisture:

16%

Concentration Units:

μg/kg

Compound	Result	MDL	PQL	Qualifier	Date Analyzed	Dilution Factor
Aroclor 1016	ND	8.42	78.5	U	12/2/10	1
Aroclor 1221	ND	10.6	78.5	U	12/2/10	1
Aroclor 1232	ND	12.5	78.5	U	12/2/10	1
Aroclor 1242	ND.	5.77	78.5	U	12/2/10	1
Aroclor 1248	ND	3.98	78.5	U	12/2/10	1
Aroclor 1254	ND	8.88	78.5	U	12/2/10	1
Aroclor 1260	ND	8.52	78.5	· U	12/2/10	1

Qualifiers:

U - compound not detected at the specified detection limit

J - below PQL

D - concentration taken from diluted analysis

E - compound concentration exceeds calibration

PCB ANALYTICAL REPORT Method 8082 S

Client: Project:

Sample ID:

Allied Biological

Seven Hills

Lab Sample ID: GC Run ID:

10110681-2

Site B

Extraction Date:

3B3674

11/15/10

Sample Wt /Vol:

12/1/10

Date Sampled: Matrix: (soil/water):

Soil

Final Volume (ml):

15 g 10

% Moisture:

16%

Concentration Units:

µg/kg

Compound	Result	MDL	PQL	Qualifier	Date Analyzed	Dilution Factor
Aroclor 1016	ND	8.38	78.1	U	12/2/10	1
Aroclor 1221	ND	10.6	78.1	U	12/2/10	1
Aroclor 1232	ND	12.4	78.1	U	12/2/10	1
Aroclor 1242	ND	5.74	78.1	U	12/2/10	1
Aroclor 1248	ND	3.96	78.1	U	12/2/10	1
Aroclor 1254	ND .	8.84	78.1	U	12/2/10	1
Aroclor 1260	ND	8.48	78.1	U	12/2/10	1

Qualifiers:

U - compound not detected at the specified detection limit

J - below PQL

D - concentration taken from diluted analysis

E - compound concentration exceeds calibration

PESTICIDE ANALYTICAL REPORT Method 8081 S

Client:

Allied Biological

Project:

Seven Hills

Sample ID:

Date Sampled:

Matrix: (soil/water) % Moisture:

Concentration Units:

Site A

11/15/10

Soil 16% µg/kg

Lab Sample ID:

10110681-1

2T3329

GC Run ID: **Extraction Date:**

12/1/10

15 g 10

Sample Wt /Vol: Final Volume (ml):

Compound	Result	MDL	PQL	Qualifier	Date Analyzed	Dilution Factor
alpha-BHC	ND ·	0.947	7.85			
beta-BHC	ND	0.922		U	12/3/10	1
gamma-BHC (Lindane)	ND	0.733	7.85	U	12/3/10	1
delta-BHC	ND		7.85	U	12/3/10	1
Aldrin	ND	0.711	7.85	U	12/3/10	1
Heptachlor		0.789	7.85	U	12/3/10	1
	ND	1.09	7.85	U	12/3/10	1
Heptachlor Epoxide	ND .	1.19	7.85	U	12/3/10	1
Endosulfan I	ND (1.32	7.85	U	12/3/10	1
Endosulfan II	ND -	0.888	7.85	U	12/3/10	1
4,4'-DDE	ND .	0.837	7.85	U	12/3/10	1
4,4'-DDD	ND .	0.53	7.85	U	12/3/10	1
4,4'-DDT	ND .	0.91	7.85	Ü	12/3/10	1
Dieldrin	ND .	0.956	7.85	Ü		
Endrin	ND .	0.919	7.85	U	12/3/10	1
Endrin Aldehyde	ND ·	1.97	7.85		12/3/10	1
Endrin Ketone	ND .	0.853		U	12/3/10	1
Endosulfan Sulfate	ND		7.85	U	12/3/10	1
Methoxychlor		0.841	7.85	U	12/3/10	1
Chlordane	ND	1.07	7.85	U	12/3/10	1
Toxaphene	ND	1.82	7.85	U	12/3/10	1
oxaphene	ND	12.9	78.5	U	12/3/10	1

Qualifiers:

U - compound not detected at the specified quantitation limit

J - below PQL

D - concentration taken from diluted analysis

E - compound concentration exceeds calibration

PESTICIDE ANALYTICAL REPORT Method 8081 S

Client:

Allied Biological

Lab Sample ID:

10110681-2

Project:

Seven Hills

GC Run ID:

Sample ID:

2T3330

Site B

Extraction Date:

12/1/10

Date Sampled:

11/15/10

Sample Wt /Vol: Final Volume (ml): 15 g 10

Matrix: (soil/water) % Moisture:

Soil 16%

Concentration Units:

µg/kg

Compound	Result	MDL	PQL	Qualifier	Date Analyzed	Dilution Factor
alpha-BHC	ND	0.942	7.81	U	12/3/10	1
beta-BHC	ND	0.918	7.81	U	12/3/10	1
gamma-BHC (Lindane)	ND	0.73	7.81	U	12/3/10	1
delta-BHC	ND	0.707	7.81	U	12/3/10	1
Aldrin	ND	0.785	7.81	U	12/3/10	1
Heptachlor	ND	1.08	7.81	U	12/3/10	1
Heptachlor Epoxide	ND	1.19	7.81	U	12/3/10	1
Endosulfan I	ND	1.31	7.81	U	12/3/10	1
Endosulfan II	ND	0.884	7.81	U	12/3/10	1
4,4'-DDE	ND	0.833	7.81	U	12/3/10	1
4,4'-DDD	ND	0.528	7.81	U	12/3/10	1
4,4'-DDT	ND	0.906	7.81	Ü	12/3/10	1
Dieldrin	ND	0.951	7.81	U	12/3/10	1
Endrin	ND	0.914	7.81	U	12/3/10	1
Endrin Aldehyde	ND	1.96	7.81	U	12/3/10	1
Endrin Ketone	ND	0.849	7.81	Ü	12/3/10	1
Endosulfan Sulfate	ND	0.837	7.81	U	12/3/10	1
Methoxychlor	ND	1.06	7.81	U	12/3/10	1
Chlordane	ND	1.82	7.81	U	12/3/10	1
Toxaphene	ND	12.9	78.1	U	12/3/10	1

Qualifiers:

- U compound not detected at the specified quantitation limit
- J below PQL
- D concentration taken from diluted analysis
- E compound concentration exceeds calibration

Client:

Allied Biological, Inc. Seven Hills Lake

Project: Matrix:

Level:

Soil

Client Sample:

Site A

Sample Weight

% Moisture:

5.0 Grams

Low

15.9%

Lab Sample ID:

10110681-001

Lab File ID:

4V8877.D

Date Collected:

15-Nov-10

Date Analyzed:

Dilution Factor:

26-Nov-10

CAS No. Conc Compound Q MDL POL ug/kg 75-71-8 Dichlorodifluoromethane U 1.32 5.95 74-87-3 Chloromethane U 0.773 5.95 107-02-8 Acrolein U 4.85 23.8 75-01-4 Vinyl Chloride U 1.12 5.95 74-83-9 Bromomethane U 2.03 5.95 75-00-3 Chloroethane U 2.71 5.95 75-69-4 Trichlorofluoromethane U 1.39 5.95 67-64-1 Acetone U 3.41 11.9 75-35-4 1,1-Dichloroethene U 1.61 5.95 75-65-0 tert-Butyl Alcohol U 11.6 59.5 75-09-2 Methylene Chloride U 0.975 5.95 75-15-0 Carbon Disulfide U 0.820 5.95 107-13-1 Acrylonitrile U 1.55 5.95 1634-04-4 Methyl tert-Butyl Ether U 1.03 5.95 156-60-5 trans-1,2-Dichloroethene U 0.797 5.95 75-34-3 1,1-Dichloroethane U 0.999 5.95 108-05-4 Vinyl Acetate U 1.47 5.95 78-93-3 2-Butanone U 2.44 11.9 594-20-7 2,2-Dichloropropane U 0.618 5.95 156-59-2 cis-1,2-Dichloroethene U 0.618 5.95 67-66-3 Chloroform U 0.927 5.95 74-97-5 Bromochloromethane U 1.12 5.95 71-55-6 1,1,1-Trichloroethane U 1.36 5.95 563-58-6 1,1-Dichloropropene U 1.28 5.95 56-23-5 Carbon Tetrachloride U 1.03 5.95 107-06-2 1,2-Dichloroethane U 0.678 5.95 71-43-2 Benzene U 0.654 5.95 79-01-6 Trichloroethene U 0.975 5.95 78-87-5 1,2-Dichloropropane U 0.939 5.95 75-27-4 Bromodichloromethane U 0.916 5.95 74-95-3 Dibromomethane U 1.01 5.95 110-75-8 2-Chloroethylvinyl ether U 1.17 11.9 108-10-1 4-Methyl-2-Pentanone U 0.892 11.9 10061-01-5 cis-1,3-Dichloropropene U 0.226 5.95 108-88-3 Toluene U 0.428 5.95 10061-02-6 trans-1,3-Dichloropropene U 0.523 5.95 79-00-5 1,1,2-Trichloroethane U 0.809 5.95 591-78-6 2-Hexanone U 1.31 11.9 142-28-9 1,3-Dichloropropane U 0.749 5.95

> Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank, E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Client:

Allied Biological, Inc.

Project:

Seven Hills Lake

Matrix:

Soil

Client Sample:

Site A

Sample Weight

% Moisture:

5.0 Grams

Level:

Low 15.9% Lab Sample ID:

10110681-001

Lab File ID:

4V8877.D

Date Collected:

15-Nov-10

Date Analyzed:

26-Nov-10

Dilution Factor:

1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
127-18-4	Tetrachloroethene		Ú	0.797	5.95
124-48-1	Dibromochloromethane		U	0.809	5.95
106-93-4	1,2-Dibromoethane		U	0.452	5.95
108-90-7	Chlorobenzene		U	0.511	5.95
630-20-6	1,1,1,2-Tetrachloroethane		U	0.749	5.95
100-41-4	Ethylbenzene		U	0.476	5.95
1330-20-7	m+p-Xylenes		U	1.14	11.9
95-47-6	o-Xylene		U	0.939	5.95
100-42-5	Styrene		U	0.749	5.95
75-25-2	Bromoform		U	2.13	5.95
79-34-5	1,1,2,2-Tetrachloroethane		U	1.69	5.95
96-18-4	1,2,3-Trichloropropane		U	3.29	5.95
108-86-1	Bromobenzene		U	1.02	5.95
95-49-8	2-Chlorotoluene		U	0.547	5.95
106-43-4	4-Chlorotoluene		U	0.392	5.95
541-73-1	1,3-Dichlorobenzene		U	0.987	5.95
106-46-7	1,4-Dichlorobenzene		U	1.01	5.95
95-50-1	1,2-Dichlorobenzene		U	0.856	5.95
96-12-8	1,2-Dibromo-3-chloropropane		U	5.36	11.9
120-82-1	1,2,4-Trichlorobenzene		U	1.17	5.95
37-68-3	Hexachlorobutadiene		U	2.72	5.95
91-20-3	Naphthalene		U	1.09	5.95
87-61-6	1,2,3-Trichlorobenzene		U	2.14	5.95

Aqua Pro-Tech Laboratories EPA Method 8260 Analytical Report Tentatively Identified Compounds

Client:

Allied Biological, Inc.

Project:

Seven Hills Lake

Matrix:

Soil

Client Sample:

Site A

Sample Weight

% Moisture:

5.0 Grams

Level:

Low 15.9% Lab Sample ID:

10110681-001

Lab File ID:

4V8877.D

Date Collected:

15-Nov-10

Date Analyzed:

26-Nov-10

Dilution Factor:

1

CAS No.	Compound	Est. Conc.	Q	RT
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Number of TICs found: 0

Total Est. Concentration: 0 ug/kg

Client:

Allied Biological, Inc.

Project:

Seven Hills Lake

Matrix:

Soil

Client Sample:

Site B

Sample Weight

% Moisture:

5.0 Grams

Level:

Low 15.5% Lab Sample ID:

10110681-002

Lab File ID:

4V8878.D

Date Collected:

15-Nov-10

Date Analyzed:

26-Nov-10

Dilution Factor:

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.31	5.92
74-87-3	Chloromethane		U	0.769	5.92
107-02-8	Acrolein		U	4.83	23.7
75-01-4	Vinyl Chloride	= =	U	1.11	5.92
74-83-9	Bromomethane		U	2.02	5.92
75-00-3	Chloroethane		U	2.70	5.92
75-69-4	Trichlorofluoromethane		U	1.38	5.92
67-64-1	Acetone		U	3.40	11.8
75-35-4	1,1-Dichloroethene		U	1.60	5.92
75-65-0	tert-Butyl Alcohol		U	11.5	59.2
75-09-2	Methylene Chloride		U	0.970	5.92
75-15-0	Carbon Disulfide		U	0.817	5.92
107-13-1	Acrylonitrile		U	1.54	5.92
1634-04-4	Methyl tert-Butyl Ether		U	1.03	5.92
156-60-5	trans-1,2-Dichloroethene		U	0.793	5.92
75-34-3	1,1-Dichloroethane		U	0.994	5.92
108-05-4	Vinyl Acetate		U	1.47	5.92
78-93-3	2-Butanone		U	2.43	11.8
594-20-7	2,2-Dichloropropane		U	0.615	5.92
156-59-2	cis-1,2-Dichloroethene		U	0.615	5.92
67-66-3	Chloroform		U	0.923	5.92
74-97-5	Bromochloromethane		U	1.11	5.92
71-55-6	1,1,1-Trichloroethane		U	1.35	5.92
563-58-6	1,1-Dichloropropene		U	1.28	5.92
56-23-5	Carbon Tetrachloride		U	1.03	5.92
107-06-2	1,2-Dichloroethane		U	0.675	5.92
71-43-2	Benzene		U	0.651	5.92
79-01-6	Trichloroethene		U	0.970	5.92
78-87-5	1,2-Dichloropropane		U	0.935	5.92
75-27-4	Bromodichloromethane		U	0.911	5.92
74-95-3	Dibromomethane		U	1.01	5.92
110-75-8	2-Chloroethylvinyl ether		U	1.16	11.8
108-10-1	4-Methyl-2-Pentanone		U	0.888	11.8
10061-01-5	cis-1,3-Dichloropropene		U	0.225	5.92
108-88-3	Toluene		U	0.426	5.92
10061-02-6	trans-1,3-Dichloropropene		U	0.521	5.92
79-00-5	1,1,2-Trichloroethane		U	0.805	5.92
591-78-6	2-Hexanone		U	1.30	11.8
142-28-9	1,3-Dichloropropane		U	0.746	5.92

Client:

Allied Biological, Inc.

Project:

Seven Hills Lake

Matrix: Soil

Sample Weight

Level:

% Moisture:

5.0 Grams

Low

15.5%

Client Sample:

Site B

Lab Sample ID:

10110681-002

Lab File ID: Date Collected: 4V8878.D 15-Nov-10

Date Analyzed:

26-Nov-10

Dilution Factor:

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
127-18-4	Tetrachloroethene		U	0.793	5.92
124-48-1	Dibromochloromethane		U	0.805	5.92
106-93-4	1,2-Dibromoethane		U	0.450	5.92
108-90-7	Chlorobenzene		U	0.509	5.92
630-20-6	1,1,1,2-Tetrachloroethane		U	0.746	5.92
100-41-4	Ethylbenzene		U	0.473	5.92
1330-20-7	m+p-Xylenes		U	1.14	11.8
95-47-6	o-Xylene		U	0.935	5.92
100-42-5	Styrene		U	0.746	5.92
75-25-2	Bromoform		U	2.12	5.92
79-34-5	1,1,2,2-Tetrachloroethane		U	1.68	5.92
96-18-4	1,2,3-Trichloropropane		U	3.28	5.92
108-86-1	Bromobenzene		U	1.02	5.92
95-49-8	2-Chlorotoluene		U	0.544	5.92
106-43-4	4-Chlorotoluene		U	0.391	5.92
541-73-1	1,3-Dichlorobenzene		U	0.982	5.92
106-46-7	1,4-Dichlorobenzene		U	1.01	5.92
95-50-1	1,2-Dichlorobenzene		U	0.852	5.92
96-12-8	1,2-Dibromo-3-chloropropane		U	5.34	11.8
120-82-1	1,2,4-Trichlorobenzene		U	1.16	5.92
87-68-3	Hexachlorobutadiene		U	2.71	5.92
91-20-3	Naphthalene		U	1.09	5.92
87-61-6	1,2,3-Trichlorobenzene		U	2.13	5.92

Aqua Pro-Tech Laboratories EPA Method 8260 Analytical Report **Tentatively Identified Compounds**

Client:

Allied Biological, Inc.

Project: Matrix:

Seven Hills Lake Soil

Client Sample:

Site B

Sample Weight

% Moisture:

5.0 Grams

Level:

Low 15.5% Lab Sample ID:

10110681-002

Lab File ID:

4V8878.D

Date Collected:

15-Nov-10

Date Analyzed:

26-Nov-10

Dilution Factor:

CAS No.	Compound	Est. Conc.	Q	RT
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Number of TICs found: 0

Total Est. Concentration: 0 ug/kg