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Pre-Design Investigation Report for Silver Lake Sediments

Volume II

General Electric Company
Pittsfield, Massachusetts

February 2004c

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Volume II - Appendices

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Analytical Results

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engineers & scientists

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-01 (0-1')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02560
Sample wt/vol:	8.41304 (g)	LAB FILE ID:	AG02560
% Moisture:	18.4	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/8/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	300
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	18	U
11104-28-2	Aroclor 1221	~~180~~ ND(18)	~~i~~ U
11141-16-5	Aroclor 1232	18	U
53469-21-9	Aroclor 1242	18	U
12672-29-6	Aroclor 1248	~~340~~ ND(18)	~~ii~~ U
11097-69-1	Aroclor 1254	470	~~iii~~ J
11096-82-5	Aroclor 1260	79	~~iv~~ J

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iv Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-01 (1-3')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02561
Sample wt/vol:	8.35109 (g)	LAB FILE ID:	AG02561
% Moisture:	20.8	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/8/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	100
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	6.0	U
11104-28-2	Aroclor 1221	~~200~~ ND(6.0)	~~i~~ U
11141-16-5	Aroclor 1232	6.0	U
53469-21-9	Aroclor 1242	6.0	U
12672-29-6	Aroclor 1248	~~66~~ ND(6.0)	~~ii~~ U
11097-69-1	Aroclor 1254	78	~~iii~~
11096-82-5	Aroclor 1260	25	~~iv~~

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iv Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-02 (0-1')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02562
Sample wt/vol:	7.36093 (g)	LAB FILE ID:	AG02562
% Moisture:	29.3	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/8/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	300
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	20	U
11104-28-2	Aroclor 1221	~~140~~ ND(20)	~~i~~ U
11141-16-5	Aroclor 1232	20	U
53469-21-9	Aroclor 1242	20	U
12672-29-6	Aroclor 1248	~~450~~ ND(20)	~~ii~~ U
11097-69-1	Aroclor 1254	540	~~iii~~
11096-82-5	Aroclor 1260	85	~~iv~~

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iv Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-02 (1-3')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02563
Sample wt/vol:	6.89998 (g)	LAB FILE ID:	AG02563
% Moisture:	33.9	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/8/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	10000
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	720	U
11104-28-2	Aroclor 1221	720	U
11141-16-5	Aroclor 1232	720	U
53469-21-9	Aroclor 1242	720	U
12672-29-6	Aroclor 1248	~~13000~~ ND(720)	+ U
11097-69-1	Aroclor 1254	17000	ii
11096-82-5	Aroclor 1260	720	U

i Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No. :	03050007
ELAP ID No. :	11078	CLIENT ID :	N02(03)-03 (0-1')
Matrix :	SEDIMENT	LAB SAMPLE ID :	AG02564
Sample wt/vol :	6.63157 (g)	LAB FILE ID :	AG02564
% Moisture :	38.2	DATE RECEIVED :	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED :	5/6/2003
Conc. Extract Volume :	25000 (µL)	DATE ANALYZED :	5/8/2003
Injection Volume :	1.2 (µL)	DILUTION FACTOR :	100
Method :	SW-846 8082 (PCB)	SULFUR CLEANUP :	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	7.5	U
11104-28-2	Aroclor 1221	82 ND(7.5)	~~i~~ U
11141-16-5	Aroclor 1232	7.5	U
53469-21-9	Aroclor 1242	7.5	U
12672-29-6	Aroclor 1248	~~410~~ ND(7.5)	~~ii~~ U
11097-69-1	Aroclor 1254	7.5	U
11096-82-5	Aroclor 1260	51	iii

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-03 (1-3')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02565
Sample wt/vol:	7.59275 (g)	LAB FILE ID:	AG02565
% Moisture:	27.1	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/8/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	200
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	13	U
11104-28-2	Aroclor 1221	~~180~~ ND(13)	~~i~~ U
11141-16-5	Aroclor 1232	13	U
53469-21-9	Aroclor 1242	13	U
12672-29-6	Aroclor 1248	~~350~~ ND(13)	~~ii~~ U
11097-69-1	Aroclor 1254	13	U
11096-82-5	Aroclor 1260	150	iii

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-04 (0-1')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02566
Sample wt/vol:	6.06818 (g)	LAB FILE ID:	AG02566
% Moisture:	44.6	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/8/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	200
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	16	U
11104-28-2	Aroclor 1221	16	U
11141-16-5	Aroclor 1232	16	U
53469-21-9	Aroclor 1242	16	U
12672-29-6	Aroclor 1248	~~670~~ ND(16)	~~i~~ U
11097-69-1	Aroclor 1254	330	ii
11096-82-5	Aroclor 1260	190	iii

i Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iii Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-04 (1-3')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02567
Sample wt/vol:	5.78156 (g)	LAB FILE ID:	AG02567
% Moisture:	45.9	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/8/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	10000
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	860	U
11104-28-2	Aroclor 1221	860	U
11141-16-5	Aroclor 1232	860	U
53469-21-9	Aroclor 1242	860	U
12672-29-6	Aroclor 1248	~~30000~~ NR (860)	~~i~~ U
11097-69-1	Aroclor 1254	36000	ii
11096-82-5	Aroclor 1260	860	U

i Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-05 (0-1')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02568
Sample wt/vol:	4.65823 (g)	LAB FILE ID:	AG02568
% Moisture:	55.3	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/8/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	200
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	21	U
11104-28-2	Aroclor 1221	21	U
11141-16-5	Aroclor 1232	21	U
53469-21-9	Aroclor 1242	21	U
12672-29-6	Aroclor 1248	~~880~~ ND(21)	~~i~~ U
11097-69-1	Aroclor 1254	330	ii
11096-82-5	Aroclor 1260	170	iii

i Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iii Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-05 (1-3')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02569
Sample wt/vol:	5.22348 (g)	LAB FILE ID:	AG02569
% Moisture:	50.1	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/8/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	10000
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	960	U
11104-28-2	Aroclor 1221	960	U
11141-16-5	Aroclor 1232	960	U
53469-21-9	Aroclor 1242	960	U
12672-29-6	Aroclor 1248	~~24000~~ 9600	~~J~~ U
11097-69-1	Aroclor 1254	21000	ii
11096-82-5	Aroclor 1260	960	U

i Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-06 (0-1')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02570
Sample wt/vol:	7.98394 (g)	LAB FILE ID:	AG02570
% Moisture:	24.2	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/9/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	100
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	6.3	U
11104-28-2	Aroclor 1221	~~180~~ ND(6.3)	~~i~~ U
11141-16-5	Aroclor 1232	6.3	U
53469-21-9	Aroclor 1242	6.3	U
12672-29-6	Aroclor 1248	~~140~~ ND(6.3)	~~ii~~ U
11097-69-1	Aroclor 1254	150	iii
11096-82-5	Aroclor 1260	47	iv

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iv Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-06 (1-3')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02571
Sample wt/vol:	9.09305 (g)	LAB FILE ID:	AG02571
% Moisture:	13.5	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/9/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	200
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	11	U
11104-28-2	Aroclor 1221	~~240~~ ND(11)	~~i~~ U
11141-16-5	Aroclor 1232	11	U
53469-21-9	Aroclor 1242	11	U
12672-29-6	Aroclor 1248	~~200~~ ND(11)	~~ii~~ U
11097-69-1	Aroclor 1254	300	iii
11096-82-5	Aroclor 1260	60	iv

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iv Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-07 (0-1')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02572
Sample wt/vol:	6.23101 (g)	LAB FILE ID:	AG02572
% Moisture:	41.8	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/9/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	200
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	16	U
11104-28-2	Aroclor 1221	~~410~~ ND(16)	~~i~~ U
11141-16-5	Aroclor 1232	16	U
53469-21-9	Aroclor 1242	16	U
12672-29-6	Aroclor 1248	~~420~~ ND(16)	~~ii~~ U
11097-69-1	Aroclor 1254	16	U
11096-82-5	Aroclor 1260	210	iii

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-07 (1-3')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02573
Sample wt/vol:	5.74008 (g)	LAB FILE ID:	AG02573
% Moisture:	46.4	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/9/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	10000
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	870	U
11104-28-2	Aroclor 1221	870	U
11141-16-5	Aroclor 1232	870	U
53469-21-9	Aroclor 1242	870	U
12672-29-6	Aroclor 1248	~~18000~~ ND (870)	~~i~~ U
11097-69-1	Aroclor 1254	22000	ii
11096-82-5	Aroclor 1260	870	U

i Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-08 (0-1')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02574
Sample wt/vol:	7.66998 (g)	LAB FILE ID:	AG02574
% Moisture:	28.9	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/9/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	100
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	6.5	U
11104-28-2	Aroclor 1221	~~44~~ ND(6.5)	~~i~~ U
11141-16-5	Aroclor 1232	6.5	U
53469-21-9	Aroclor 1242	6.5	U
12672-29-6	Aroclor 1248	~~63~~ ND(6.5)	~~ii~~ U
11097-69-1	Aroclor 1254	49	iii
11096-82-5	Aroclor 1260	23	iv

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iv Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-08 (1-3')
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02575
Sample wt/vol:	7.41377 (g)	LAB FILE ID:	AG02575
% Moisture:	31.0	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/9/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	3000
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	200	U
11104-28-2	Aroclor 1221	200	U
11141-16-5	Aroclor 1232	200	U
53469-21-9	Aroclor 1242	200	U
12672-29-6	Aroclor 1248	~~2600~~ ND (200)	~~i~~ U
11097-69-1	Aroclor 1254	5200	~~ii~~
11096-82-5	Aroclor 1260	1100	~~iii~~

i Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iii Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

1D-1[1]
PCB ANALYSIS DATA SHEET

Northeast Analytical Inc.		SDG No.:	03050007
ELAP ID No.:	11078	CLIENT ID:	N02(03)-DUP-1
Matrix:	SEDIMENT	LAB SAMPLE ID:	AG02576
Sample wt/vol:	8.69229 (g)	LAB FILE ID:	AG02576
% Moisture:	19.6	DATE RECEIVED:	5/1/2003
Extraction :	SOXHLET	DATE EXTRACTED:	5/6/2003
Conc. Extract Volume:	25000 (µL)	DATE ANALYZED:	5/9/2003
Injection Volume:	1.2 (µL)	DILUTION FACTOR:	100
Method:	SW-846 8082 (PCB)	SULFUR CLEANUP:	YES

GC Column : J&W, NARROWBORE CAPILLARY, DB-1, 30M; ID:0.25mm

NEA Form ID: S:\FORMS\CATB\SOIL_GC_07_050503.XLS NEA File ID: S:\CERT03\03050007_8082SED.XLS 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/g)	Q
12674-11-2	Aroclor 1016	5.8	U
11104-28-2	Aroclor 1221	~~120~~ ND (5.8)	~~i~~ U
11141-16-5	Aroclor 1232	5.8	U
53469-21-9	Aroclor 1242	5.8	U
12672-29-6	Aroclor 1248	~~160~~ ND (5.8)	~~ii~~ U
11097-69-1	Aroclor 1254	210	~~iii~~ J
11096-82-5	Aroclor 1260	44	~~iv~~ J

i Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

ii Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

iii Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

iv Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[1] Form based upon NYS-DEC Form 1-CLP-PEST FORM I-CLP-PCB (NEA)

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL02-0530-LI
ELAP ID #	11078	LAB FILE ID :	AG10899
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/8/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	19:20
		SAMPLE WT/VOL. :	50 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 3

OCN(I.S.) PEAK AREA :	9.85E+04
% DIFF. (<= 50%) :	2.82%

SAMPLE TOTAL PCB CONCENTRATION : 7373 ng/L

VISUAL AROCLOR ID : Altered A1254, Trace Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0530-LI
ELAP ID #	11078	LAB FILE ID :	AG10901
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/8/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	21:37
		SAMPLE WT/VOL. :	51 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 5

OCN(I.S.) PEAK AREA :	1.01E+05	
% DIFF. (<= 50%) :	5.48%	
SAMPLE TOTAL PCB CONCENTRATION :	3117	ng/L

VISUAL AROCLOR ID : Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0530-LI MSD
ELAP ID #	11078	LAB FILE ID :	AG10901K
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/8/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	23:54
		SAMPLE WT/VOL. :	74 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 7

OCN(I.S.) PEAK AREA :	1.03E+05
% DIFF. (<= 50%) :	7.25%

SAMPLE TOTAL PCB CONCENTRATION : 219062 ng/L

VISUAL AROCLOR ID : PCB added to Sample

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	BD01-0000-LI
ELAP ID #	11078	LAB FILE ID :	AG10903
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/8/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/20/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	2:11
		SAMPLE WT/VOL. :	48 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 9

OCN(I.S.) PEAK AREA :	9.95E+04
% DIFF. (<= 50%) :	3.82%

SAMPLE TOTAL PCB CONCENTRATION : 6639 ng/L

VISUAL AROCLOR ID : Altered A1254, Trace Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	LAB CONTROL SPIKE
ELAP ID #	11078	LAB FILE ID :	AG10901L
SAMPLE MATRIX :	ORGANIC FREE WATER	DATE RECEIVED :	
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	17:03
		SAMPLE WT/VOL. :	1000 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CAT8\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 2

OCN(I.S.) PEAK AREA :	9.91E+04
% DIFF. (<= 50%) :	8.57%

SAMPLE TOTAL PCB CONCENTRATION : 8640 ng/L

VISUAL AROCLOR ID : PCB added to Sample

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL02-0530-LI
ELAP ID #	11078	LAB FILE ID :	AG10899
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/8/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	19:20
		SAMPLE WT/VOL. :	50 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 3

OCN(I.S.) PEAK AREA :	9.85E+04
% DIFF. (<= 50%) :	2.82%

SAMPLE TOTAL PCB CONCENTRATION : 7373 ng/L

VISUAL AROCLOR ID : Altered A1254, Trace Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0530-LI
ELAP ID #	11078	LAB FILE ID :	AG10901
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/8/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	21:37
		SAMPLE WT/VOL. :	51 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 5

OCN(I.S.) PEAK AREA :	1.01E+05	
% DIFF. (<= 50%) :	5.48%	
SAMPLE TOTAL PCB CONCENTRATION :	3117	ng/L

VISUAL AROCLOR ID : Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0530-LI MSD
ELAP ID #	11078	LAB FILE ID :	AG10901K
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/8/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	23:54
		SAMPLE WT/VOL. :	74 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 7

OCN(I.S.) PEAK AREA :	1.03E+05
% DIFF. (<= 50%) :	7.25%

SAMPLE TOTAL PCB CONCENTRATION : 219062 ng/L

VISUAL AROCLOR ID : PCB added to Sample

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	BD01-0000-LI
ELAP ID #	11078	LAB FILE ID :	AG10903
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/8/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/20/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	2:11
		SAMPLE WT/VOL. :	48 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 9

OCN(I.S.) PEAK AREA : 9.95E+04

% DIFF. (<= 50%) : 3.82%

SAMPLE TOTAL PCB CONCENTRATION : 6639 ng/L

VISUAL AROCLOR ID : Altered A1254, Trace Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	LAB CONTROL SPIKE
ELAP ID #	11078	LAB FILE ID :	AG10901L
SAMPLE MATRIX :	ORGANIC FREE WATER	DATE RECEIVED :	
EXTRACTION :	CLLE	DATE EXTRACTED :	8/12/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	17:03
		SAMPLE WT/VOL. :	1000 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080078.XLS 2

OCN(I.S.) PEAK AREA :	9.91E+04
% DIFF. (<= 50%) :	8.57%

SAMPLE TOTAL PCB CONCENTRATION : 8640 ng/L

VISUAL AROCLOR ID : PCB added to Sample

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL02-0530-L2
ELAP ID #	11078	LAB FILE ID :	AG11283
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/13/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	6:41
		SAMPLE WT/VOL. :	81 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CAT8\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 3

OCN(I.S.) PEAK AREA :	1.18E+05
% DIFF. (<= 50%) :	20.9%

SAMPLE TOTAL PCB CONCENTRATION : 3870 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254; Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0530-L2
ELAP ID #	11078	LAB FILE ID :	AG11286
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/13/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	8:58
		SAMPLE WT/VOL. :	99 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 5

OCN(I.S.) PEAK AREA :	1.12E+05
% DIFF. (<= 50%) :	14.8%

SAMPLE TOTAL PCB CONCENTRATION : 1190 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254; Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL06-0530-L3
ELAP ID #	11078	LAB FILE ID :	AG11288
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/13/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	11:16
		SAMPLE WT/VOL. :	80 mL

[1] (See SOP, entitled "NEC13_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 7

OCN(I.S.) PEAK AREA :	1.15E+05
% DIFF. (<= 50%) :	17.3%

SAMPLE TOTAL PCB CONCENTRATION : 3200 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254; Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL02-0530-L4
ELAP ID #	11078	LAB FILE ID :	AG11290
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/13/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	13:33
		SAMPLE WT/VOL. :	95 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 9

OCN(I.S.) PEAK AREA :	1.17E+05
% DIFF. (<= 50%) :	19.7%

SAMPLE TOTAL PCB CONCENTRATION : 2740 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254; Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0530-L4
ELAP ID #	11078	LAB FILE ID :	AG11292
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/13/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	16:58
		SAMPLE WT/VOL. :	90 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 11

OCN(I.S.) PEAK AREA :	1.16E+05
% DIFF. (<= 50%) :	8.41%

SAMPLE TOTAL PCB CONCENTRATION : 1210 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254; Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	LAB CONTROL SPIKE
ELAP ID #	11078	LAB FILE ID :	AG11283L
SAMPLE MATRIX :	ORGANIC FREE WATER	DATE RECEIVED :	
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	5:32
		SAMPLE WT/VOL. :	1000 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 2

OCN(I.S.) PEAK AREA :	1.14E+05
% DIFF. (<= 50%) :	16.18%

SAMPLE TOTAL PCB CONCENTRATION : 7800 PPT

VISUAL AROCLOR ID : PCB added to Sample

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	LAB BLANK
ELAP ID #	11078	LAB FILE ID :	AG11283B
SAMPLE MATRIX :	ORGANIC FREE WATER	DATE RECEIVED :	
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	4:24
		SAMPLE WT/VOL. :	1000 mL

[1] (See SOP, entitled "NE013_04.DOC", Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 1

OCN(I.S.) PEAK AREA :	1.11E+05	
% DIFF. (<= 50%) :	13.3%	
SAMPLE TOTAL PCB CONCENTRATION :	<22.0	PPT

VISUAL AROCLOR ID : No Aroclor Pattern Detected

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL06-0530-L4
ELAP ID #	11078	LAB FILE ID :	AG11291
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/13/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	15:50
		SAMPLE WT/VOL. :	71 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 10

OCN(I.S.) PEAK AREA :	1.16E+05	
% DIFF. (<= 50%) :	8.55%	
SAMPLE TOTAL PCB CONCENTRATION :	4560	PPT

VISUAL AROCLOR ID : Altered Aroclor 1254; Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0530-L3
ELAP ID #	11078	LAB FILE ID :	AG11289
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/13/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	12:24
		SAMPLE WT/VOL. :	106 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 8

OCN(I.S.) PEAK AREA :	1.18E+05
% DIFF. (<= 50%) :	20.8%

SAMPLE TOTAL PCB CONCENTRATION : 1450 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254; Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL02-0530-L3
ELAP ID #	11078	LAB FILE ID :	AG11287
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/13/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	10:07
		SAMPLE WT/VOL. :	111 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 6

OCN(I.S.) PEAK AREA :	1.13E+05
% DIFF. (<= 50%) :	15.5%

SAMPLE TOTAL PCB CONCENTRATION : 3920 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254; Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL06-0530-L2
ELAP ID #	11078	LAB FILE ID :	AG11285
SAMPLE MATRIX :	LEACHATE	DATE RECEIVED :	8/13/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/27/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	7:50
		SAMPLE WT/VOL. :	75 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080123.XLS 4

OCN(I.S.) PEAK AREA :	1.05E+05
% DIFF. (<= 50%) :	7.24%

SAMPLE TOTAL PCB CONCENTRATION : 2920 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254; Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL02-0530-SD
ELAP ID #	11078	LAB FILE ID :	AG10779
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	1000.00	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	6:15
		SAMPLE WT/VOL. :	2.482 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 4

OCN(I.S.) PEAK AREA :	1.08E+05
% DIFF. (<= 50%) :	11.34%

SAMPLE TOTAL PCB CONCENTRATION : 435 µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL03-0530-SD
ELAP ID #	11078	LAB FILE ID :	AG10780
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	10000.00	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	7:24
		SAMPLE WT/VOL. :	9.0508 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 5

OCN(I.S.) PEAK AREA :	1.06E+05
% DIFF. (<= 50%) :	9.21%

SAMPLE TOTAL PCB CONCENTRATION : 864 µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL04-0530-SD
ELAP ID #	11078	LAB FILE ID :	AG10781
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	25000.00	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	8:33
		SAMPLE WT/VOL. :	2.6755 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 6

OCN(I.S.) PEAK AREA :	1.06E+05
% DIFF. (<= 50%) :	9.27%

SAMPLE TOTAL PCB CONCENTRATION : 7240 µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL05-0530-SD
ELAP ID #	11078	LAB FILE ID :	AG10782
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	25000.00	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	9:41
		SAMPLE WT/VOL. :	2.5435 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 7

OCN(I.S.) PEAK AREA :	1.08E+05	
% DIFF. (<= 50%) :	10.8%	
SAMPLE TOTAL PCB CONCENTRATION :	5130	µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL06-0530-SD
ELAP ID #	11078	LAB FILE ID :	AG10783
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	250.00	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	10:50
		SAMPLE WT/VOL. :	2.8777 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 8

OCN(I.S.) PEAK AREA :	1.10E+05
% DIFF. (<= 50%) :	12.97%

SAMPLE TOTAL PCB CONCENTRATION : 119 µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL07-0530-SD
ELAP ID #	11078	LAB FILE ID :	AG10784
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	83.33	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	11:58
		SAMPLE WT/VOL. :	4.6305 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID. S:\CERT03\PACKAGES\03080068.XLS 9

OCN(I.S.) PEAK AREA :	1.06E+05
% DIFF. (<= 50%) :	8.88%

SAMPLE TOTAL PCB CONCENTRATION : 12.7 µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL08-0530-SD
ELAP ID #	11078	LAB FILE ID :	AG10785
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	8333.30	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	14:16
		SAMPLE WT/VOL. :	3.7525 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 10

OCN(I.S.) PEAK AREA :	1.10E+05	
% DIFF. (<= 50%) :	7.72%	
SAMPLE TOTAL PCB CONCENTRATION :	1460	µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0530-SD
ELAP ID #	11078	LAB FILE ID :	AG10786
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	250.00	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	15:24
		SAMPLE WT/VOL. :	2.8923 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form . S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 11

OCN(I.S.) PEAK AREA :	1.07E+05
% DIFF. (<= 50%) :	4.96%

SAMPLE TOTAL PCB CONCENTRATION : 90.3 µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL10-0530-SD
ELAP ID #	11078	LAB FILE ID :	AG10787
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	5000.00	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	16:33
		SAMPLE WT/VOL. :	2.661 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03060068.XLS 12

OCN(I.S.) PEAK AREA : 1.07E+05

% DIFF. (<= 50%) : 5.09%

SAMPLE TOTAL PCB CONCENTRATION : 1350 µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL01-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10788
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	500.00	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	17:41
		SAMPLE WT/VOL. :	3.3281 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 13

OCN(I.S.) PEAK AREA :	1.12E+05
% DIFF. (<= 50%) :	9.47%

SAMPLE TOTAL PCB CONCENTRATION : 216 µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL02-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10789
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/18/2003
DILUTION FACTOR :	166.67	DATE ANALYZED :	8/22/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	21:07
		SAMPLE WT/VOL. :	1.8942 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 14

OCN(I.S.) PEAK AREA : 1.09E+05

% DIFF. (<= 50%) : 6.92%

SAMPLE TOTAL PCB CONCENTRATION : 141 µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL03-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10790
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	2500.00	DATE ANALYZED :	8/18/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	22:16
		SAMPLE WT/VOL. :	9.0944 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 15

OCN(I.S.) PEAK AREA : 1.09E+05

% DIFF. (<= 50%) : 7.32%

SAMPLE TOTAL PCB CONCENTRATION : 363 µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL04-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10791
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	625.00	DATE ANALYZED :	8/18/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	23:25
		SAMPLE WT/VOL. :	2.7285 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 16

OCN(I.S.) PEAK AREA :	1.09E+05	
% DIFF. (<= 50%) :	6.86%	
SAMPLE TOTAL PCB CONCENTRATION :	216	µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL05-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10792
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	250.00	DATE ANALYZED :	8/18/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	1:42
		SAMPLE WT/VOL. :	1.9875 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 17

OCN(I.S.) PEAK AREA :	1.07E+05
% DIFF. (<= 50%) :	5.74%

SAMPLE TOTAL PCB CONCENTRATION : 85.9 µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL06-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10793R1
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/20/2003
DILUTION FACTOR :	125.00	DATE ANALYZED :	8/26/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	0:41
		SAMPLE WT/VOL. :	2.3224 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03060068R.XLS 3

OCN(I.S.) PEAK AREA :	1.15E+05	
% DIFF. (<= 50%) :	4.79%	
SAMPLE TOTAL PCB CONCENTRATION :	49.7	µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL07-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10794
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/13/2003
DILUTION FACTOR :	41.67	DATE ANALYZED :	8/18/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	2:51
		SAMPLE WT/VOL. :	4.3493 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 18

OCN(I.S.) PEAK AREA :	1.09E+05
% DIFF. (<= 50%) :	7.81%

SAMPLE TOTAL PCB CONCENTRATION : 10.4 µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL08-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10795
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/18/2003
DILUTION FACTOR :	125.00	DATE ANALYZED :	8/23/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	4:00
		SAMPLE WT/VOL. :	3.0278 g

[1] (See SOP, entitled "NE013_04.DOC".. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 19

OCN(I.S.) PEAK AREA :	1.09E+05	
% DIFF. (<= 50%) :	8.04%	
SAMPLE TOTAL PCB CONCENTRATION :	36.0	µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10796
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/18/2003
DILUTION FACTOR :	62.50	DATE ANALYZED :	8/23/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	5:08
		SAMPLE WT/VOL. :	2.1606 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 20

OCN(I.S.) PEAK AREA :	1.10E+05
% DIFF. (<= 50%) :	8.48%

SAMPLE TOTAL PCB CONCENTRATION : 43.6 µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL10-0005-SD
ELAP ID #	11078	LAB FILE ID :	AG10797R1
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/18/2003
DILUTION FACTOR :	62.50	DATE ANALYZED :	8/25/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	20:07
		SAMPLE WT/VOL. :	2.0579 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068R.XLS 6

OCN(I.S.) PEAK AREA :	1.15E+05
% DIFF. (<= 50%) :	5.35%

SAMPLE TOTAL PCB CONCENTRATION : 40.1 µg/g

VISUAL AROCLOR ID : Dechlorinated PCB pattern, Altered A1254, Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	FB00-0000-SD
ELAP ID #	11078	LAB FILE ID :	AG10798
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/18/2003
DILUTION FACTOR :	25.00	DATE ANALYZED :	8/23/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	7:26
		SAMPLE WT/VOL. :	7.9503 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 21

OCN(I.S.) PEAK AREA :	1.09E+05	
% DIFF. (<= 50%) :	7.51%	
SAMPLE TOTAL PCB CONCENTRATION :	<0.141	µg/g

VISUAL AROCLOR ID : No Aroclor Pattern Detected

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	BD00-0000-SD
ELAP ID #	11078	LAB FILE ID :	AG10799
SAMPLE MATRIX :	SEDIMENT	DATE RECEIVED :	8/7/2003
EXTRACTION :	SOXHLET	DATE EXTRACTED :	8/18/2003
DILUTION FACTOR :	5000.00	DATE ANALYZED :	8/23/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	8:35
		SAMPLE WT/VOL. :	3.4848 g

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080068.XLS 22

OCN(I.S.) PEAK AREA :	1.08E+05
% DIFF. (<= 50%) :	6.79%

SAMPLE TOTAL PCB CONCENTRATION : 1450 µg/g

VISUAL AROCLOR ID : Highly dechlorinated PCB pattern, Highly Altered A1254, Highly Altered A1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL01-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10769
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/18/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	22:48
		SAMPLE WT/VOL. :	131 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 3

OCN(I.S.) PEAK AREA :	9.87E+04
% DIFF. (<= 50%) :	9.91%

SAMPLE TOTAL PCB CONCENTRATION : 97100 PPT

VISUAL AROCLOR ID : Highly altered Aroclor pattern. Sample PCB pattern exhibited is an extremely dechlorinated PCB pattern. This PCB pattern is presumably derived from dechlorination of Aroclor 1254 and Aroclor 1260.

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL04-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10771
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	1:05
		SAMPLE WT/VOL. :	110 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 5

OCN(I.S.) PEAK AREA : 1.00E+05

% DIFF. (<= 50%) : 11.6%

SAMPLE TOTAL PCB CONCENTRATION : 147000 PPT

VISUAL AROCLOR ID : Highly altered Aroclor pattern. Sample PCB pattern exhibited is an extremely dechlorinated PCB pattern. This PCB pattern is presumably derived from dechlorination of Aroclor 1254 and Aroclor 1260.

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL06-0530-PW MS
ELAP ID #	11078	LAB FILE ID :	AG10772M
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	3:22
		SAMPLE WT/VOL. :	76 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 7

OCN(I.S.) PEAK AREA :	9.83E+04
% DIFF. (<= 50%) :	9.46%

SAMPLE TOTAL PCB CONCENTRATION : 216000 PPT

VISUAL AROCLOR ID : PCB added to Sample

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL09-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10773
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	5:39
		SAMPLE WT/VOL. :	195 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 9

OCN(I.S.) PEAK AREA :	9.91E+04
% DIFF. (<= 50%) :	10.4%

SAMPLE TOTAL PCB CONCENTRATION : 11300 PPT

VISUAL AROCLOR ID : Highly altered Aroclor pattern. Sample PCB pattern exhibited is an extremely dechlorinated PCB pattern. This PCB pattern is presumably derived from dechlorination of Aroclor 1254 and Aroclor 1260.

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	BD00-0000-PW
ELAP ID #	11078	LAB FILE ID :	AG10775
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	9:04
		SAMPLE WT/VOL. :	97 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 11

OCN(I.S.) PEAK AREA :	9.88E+04
% DIFF. (<= 50%) :	8.23%

SAMPLE TOTAL PCB CONCENTRATION : 142000 PPT

VISUAL AROCLOR ID : Highly altered Aroclor pattern. Sample PCB pattern exhibited is an extremely dechlorinated PCB pattern. This PCB pattern is presumably derived from dechlorination of Aroclor 1254 and Aroclor 1260.

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL07-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10777
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	11:21
		SAMPLE WT/VOL. :	130 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 13

OCN(I.S.) PEAK AREA :	9.70E+04
% DIFF. (<= 50%) :	6.23%

SAMPLE TOTAL PCB CONCENTRATION : 1150 PPT

VISUAL AROCLOR ID : Highly altered Aroclor pattern. Sample PCB pattern exhibited is an extremely dechlorinated PCB pattern. This PCB pattern is presumably derived from dechlorination of Aroclor 1254 and Aroclor 1260.

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL08-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10896
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	13:38
		SAMPLE WT/VOL. :	120 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 15

OCN(I.S.) PEAK AREA :	9.95E+04
% DIFF. (<= 50%) :	8.94%

SAMPLE TOTAL PCB CONCENTRATION : 35100 PPT

VISUAL AROCLOR ID : Highly altered Aroclor pattern. Sample PCB pattern exhibited is an extremely dechlorinated PCB pattern. This PCB pattern is presumably derived from dechlorination of Aroclor 1254 and Aroclor 1260.

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	LAB BLANK
ELAP ID #	11078	LAB FILE ID :	AG10772B
SAMPLE MATRIX :	ORGANIC FREE WATER	DATE RECEIVED :	
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/18/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	20:30
		SAMPLE WT/VOL. :	1000 mL

[1] (See SOP, entitled "NE013_04.DOC", Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 1

OCN(I.S.) PEAK AREA :	9.68E+04
% DIFF. (<= 50%) :	7.75%

SAMPLE TOTAL PCB CONCENTRATION : <22.0 PPT

VISUAL AROCLOR ID : No Aroclor Pattern Detected

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	LAB CONTROL SPIKE
ELAP ID #	11078	LAB FILE ID :	AG10772L
SAMPLE MATRIX :	ORGANIC FREE WATER	DATE RECEIVED :	
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/18/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	21:39
		SAMPLE WT/VOL. :	1000 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 2

OCN(I.S.) PEAK AREA :	9.73E+04
% DIFF. (<= 50%) :	8.35%

SAMPLE TOTAL PCB CONCENTRATION : 8470 PPT

VISUAL AROCLOR ID : PCB added to Sample

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL03-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10897
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	14:46
		SAMPLE WT/VOL. :	71 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 16

OCN(I.S.) PEAK AREA :	9.94E+04
% DIFF. (<= 50%) :	8.86%

SAMPLE TOTAL PCB CONCENTRATION : 149000 PPT

VISUAL AROCLOR ID : Highly altered Aroclor pattern. Sample PCB pattern exhibited is an extremely dechlorinated PCB pattern. This PCB pattern is presumably derived from dechlorination of Aroclor 1254 and Aroclor 1260.

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL10-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10895
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	12:29
		SAMPLE WT/VOL. :	130 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 14

OCN(I.S.) PEAK AREA :	9.90E+04
% DIFF. (<= 50%) :	8.46%

SAMPLE TOTAL PCB CONCENTRATION : 55100 PPT

VISUAL AROCLOR ID : Highly altered Aroclor pattern. Sample PCB pattern exhibited is an extremely dechlorinated PCB pattern. This PCB pattern is presumably derived from dechlorination of Aroclor 1254 and Aroclor 1260.

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL05-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10776
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	10:12
		SAMPLE WT/VOL. :	92 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 12

OCN(I.S.) PEAK AREA :	9.81E+04
% DIFF. (<= 50%) :	7.48%

SAMPLE TOTAL PCB CONCENTRATION : 40400 PPT

VISUAL AROCLOR ID : Highly altered Aroclor pattern. Sample PCB pattern exhibited is an extremely dechlorinated PCB pattern. This PCB pattern is presumably derived from dechlorination of Aroclor 1254 and Aroclor 1260.

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	FB-0000-PW
ELAP ID #	11078	LAB FILE ID :	AG10774
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	7:56
		SAMPLE WT/VOL. :	78 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 10

OCN(I.S.) PEAK AREA :	9.98E+04
% DIFF. (<= 50%) :	9.32%

SAMPLE TOTAL PCB CONCENTRATION : <282 PPT

VISUAL AROCLOR ID : No Aroclor Pattern Detected

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL06-0530-PW MSD
ELAP ID #	11078	LAB FILE ID :	AG10772K
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	4:30
		SAMPLE WT/VOL. :	82 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\OEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 8

OCN(I.S.) PEAK AREA :	9.83E+04
% DIFF. (<= 50%) :	9.44%

SAMPLE TOTAL PCB CONCENTRATION : 203000 PPT

VISUAL AROCLOR ID : PCB added to Sample

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL06-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10772
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/19/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	2:13
		SAMPLE WT/VOL. :	100 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS

NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 6

OCN(I.S.) PEAK AREA :	9.72E+04
% DIFF. (<= 50%) :	8.27%

SAMPLE TOTAL PCB CONCENTRATION : 2530 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254 / Altered Aroclor 1260

PCB SAMPLE ANALYSIS DATA SHEET

NORTHEAST ANALYTICAL INC.		CUSTOMER ID :	SL02-0530-PW
ELAP ID #	11078	LAB FILE ID :	AG10770
SAMPLE MATRIX :	PORE WATER	DATE RECEIVED :	8/7/2003
EXTRACTION :	CLLE	DATE EXTRACTED :	8/11/2003
DILUTION FACTOR :	10.00	DATE ANALYZED :	8/18/2003
SAMPLE CLEANUP : [1]	YES	TIME ANALYZED :	23:56
		SAMPLE WT/VOL. :	152 mL

[1] (See SOP, entitled "NE013_04.DOC",. Page 15, Section 7.3.1 for cleanup procedures)

NEA Form : S:\FORMS\CATB\QEA\PACKAGE8.XLS NEA File ID: S:\CERT03\PACKAGES\03080067.XLS 4

OCN(I.S.) PEAK AREA :	9.93E+04
% DIFF. (<= 50%) :	10.6%

SAMPLE TOTAL PCB CONCENTRATION : 3990 PPT

VISUAL AROCLOR ID : Altered Aroclor 1254 / Altered Aroclor 1260

NORTH[illegible]T ANALYTICAL INC.,

Analytical Worksheet for TOC in WATER

08/21/03

File ID: S:\data02\tocwcalabration0905

Notes: Make sure you have constructed a calibration curve. (see to the right on this worksheet)

Blank = 0.4095

Samples: ID#	RUN #	Area #1	RUN #	Area #2	Sample 1 ug-1	Sample 2 ug-2	DIL. FACT.	CONC. MG/L	DETECTION LIMIT
CCV	1	7.081	2	7.038	18.904	18.782	1	18.843	0.965600
BLANK	3	0.465	4	0.396	0.157	-0.038	1	0.060	0.965600
LCS	5	13.7	6	13.89	37.660	38.198	1	37.929	0.965600
AG10769	7	9.889	8	10.12	26.861	27.515	1	27.188	0.965600
AG10770	9	14.04	10	14.01	38.623	38.538	1	38.581	0.965600
AG10771	11	7.566	12	7.485	20.278	20.049	1	20.164	0.965600
AG10772	13	6.909	14	6.861	18.417	18.281	1	18.349	0.965600
AG10773	15	7.775	16	8.015	20.871	21.551	1	21.211	0.965600
AG10774	17	1.752	18	1.569	3.804	3.286	1	3.545	0.965600
AG10776	19	12.12	20	11.05	33.183	30.151	1	31.667	0.965600
AG10777	21	13.22	22	13.18	36.300	36.186	1	36.243	0.965600
CCV	23	7.653	24	7.738	20.525	20.766	1	20.645	0.965600
BLANK	25	0.568	26	0.429	0.449	0.055	1	0.252	0.965600

0

QUALITY CONTROL ICV and CCV CODE: 042602P65A

Manufacturer: BUCK SCIENTIFIC Stock TOC standard

NEA ID.	DATE EXTRACTED	CONC.	CERTIFIED VALUE	% RECOVERY	ADVISORY RANGE
CCV	-	18.84	20	94.2	85%-115%
BLANK	-	0.06	-	-	-
LCS	-	37.93	40	94.8	85%-115%
CCV	-	20.65	20	103.2	85%-115%
BLANK	-	0.25	-	-	-

000271

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
02/10/2004

GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

MATRIX :	LEACHATE	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
DATE RECEIVED:	08/08/2003 **TIME:** 15:00	**LOCATION:**	PITTSFIELD, MA
SAMPLED BY:	K. MURRAY	**LAB ELAP #:**	11078
CUSTOMER PO:	N/A		

NEA ID	CUSTOMER ID	METHOD	DATE SAMPLED	TIME SAMPLED	RESULTS	PQL	UNITS	DATE ANALYZED
Total Organic Carbon								
AG10899	SL02-0530-LI	EPA 415.1	08/08/2003	11:10	42.6	0.966	mg/L	08/20/2003
AG10900	SL06-0530-LI	EPA 415.1	08/08/2003	12:20	43.0	0.966	mg/L	08/20/2003
AG10901	SL09-0530-LI	EPA 415.1	08/08/2003	12:35	33.8	0.966	mg/L	08/20/2003
AG10902	FB00-0000-LI	EPA 415.1	08/08/2003	12:13	5.92	0.966	mg/L	08/20/2003

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/22/2003

GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

MATRIX : WATER
PROJECT: 2003 SILVER LAKE STUDY-GENSIL:153

DATE RECEIVED: 08/13/2003 **TIME:** 15:50
LOCATION: PITTSFIELD, MA

SAMPLED BY: I. FELTY
LAB ELAP #: 11078

CUSTOMER PO: N/A

NEA ID	CUSTOMER ID	METHOD	DATE SAMPLED	TIME SAMPLED	RESULTS	PQL	UNITS	DATE ANALYZED
Total Organic Carbon								
AG11283	SL02-0530-L2	EPA 415.1	08/11/2003	10:35	31.8	0.966	mg/L	08/22/2003
AG11284	BD01-0000-L2	EPA 415.1	08/11/2003	N/A	40.4	0.966	mg/L	08/22/2003
AG11285	SL06-0530-L2	EPA 415.1	08/11/2003	10:45	39.5	0.966	mg/L	08/22/2003
AG11286	SL09-0530-L2	EPA 415.1	08/11/2003	11:10	186 32.6	0.966	mg/L	08/22/2003
AG11287	SL02-0530-L3	EPA 415.1	08/12/2003	10:45	26.9	0.966	mg/L	08/22/2003
AG11288	SL06-0530-L3	EPA 415.1	08/12/2003	11:00	34.7	0.966	mg/L	08/22/2003
AG11289	SL09-0530-L3	EPA 415.1	08/12/2003	11:25	24.9	0.966	mg/L	08/22/2003
AG11290	SL02-0530-L4	EPA 415.1	08/13/2003	11:30	19.1	0.966	mg/L	08/22/2003
AG11291	SL06-0530-L4	EPA 415.1	08/13/2003	11:50	35.4	0.966	mg/L	08/22/2003
AG11292	SL09-0530-L4	EPA 415.1	08/13/2003	12:25	22.5	0.966	mg/L	08/22/2003

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL01-0530-SD	**NEA ID:**	AG12512
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 10:00
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	128000	2770	mg/kg	08/28/2003	
TOC - Replicate 2	133000	1070	mg/kg	08/28/2003	
TOC - Replicate 3	132000	1080	mg/kg	08/28/2003	
AVERAGE	131000		mg/kg		
% RSD	2.23				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000492

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL02-0530-SD	**NEA ID:**	AG12513
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 11:20
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	149000	1510	mg/kg	08/28/2003	
TOC - Replicate 2	148000	1450	mg/kg	08/28/2003	
TOC - Replicate 3	163000	1410	mg/kg	08/28/2003	
AVERAGE	153000		mg/kg		
% RSD	5.41				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000493

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2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL03-0530-SD	**NEA ID:**	AG12514
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 11:48
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	5250	366	mg/kg	08/28/2003	
TOC - Replicate 2	7750	364	mg/kg	08/28/2003	
TOC - Replicate 3	5560	619	mg/kg	08/28/2003	
AVERAGE	6190		mg/kg		
% RSD	22.1				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

518) 346-4592 • FAX: (518) 381-6055

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL04-0530-SD	**NEA ID:**	AG12515
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 13:50
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	166000	1600	mg/kg	08/28/2003	
TOC - Replicate 2	181000	1330	mg/kg	08/28/2003	
TOC - Replicate 3	163000	1070	mg/kg	08/28/2003	
AVERAGE	170000		mg/kg		
% RSD	5.65				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000495

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190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL05-0530-SD	**NEA ID:**	AG12516
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 14:13
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	141000	1530	mg/kg	08/29/2003	
TOC - Replicate 2	120000	1420	mg/kg	08/29/2003	
TOC - Replicate 3	143000	1320	mg/kg	08/29/2003	
AVERAGE	135000		mg/kg		
% RSD	9.68				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000496

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190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL06-0530-SD	**NEA ID:**	AG12517
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 15:10
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	115000	1250	mg/kg	08/29/2003	
TOC - Replicate 2	122000	1010	mg/kg	08/29/2003	
TOC - Replicate 3	124000	1340	mg/kg	08/29/2003	
AVERAGE	121000		mg/kg		
% RSD	4.00				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000497

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190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL07-0530-SD	**NEA ID:**	AG12518
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 15:34
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	62300	941	mg/kg	08/29/2003	
TOC - Replicate 2	43900	903	mg/kg	08/29/2003	
TOC - Replicate 3	43200	764	mg/kg	08/29/2003	
AVERAGE	49800		mg/kg		
% RSD	21.7				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000498

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GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL08-0530-SD	**NEA ID:**	AG12519
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 16:10
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	142000	5620	mg/kg	08/29/2003	
TOC - Replicate 2	78800	4180	mg/kg	08/29/2003	
TOC - Replicate 3	151000	3650	mg/kg	08/29/2003	
TOC - Replicate 4	109000	2920	mg/kg	08/29/2003	
AVERAGE	120000		mg/kg		
% RSD	27.4				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000499

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190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL09-0530-SD	**NEA ID:**	AG12520
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 16:06
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	98000	3460	mg/kg	08/29/2003	
TOC - Replicate 2	80200	2410	mg/kg	08/29/2003	
TOC - Replicate 3	103000	3020	mg/kg	08/29/2003	
AVERAGE	93600		mg/kg		
% RSD	12.6				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000500

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190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

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09/09/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL10-0530-SD	**NEA ID:**	AG12521
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 17:10
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	126000	1900	mg/kg	08/29/2003	
TOC - Replicate 2	93700	1940	mg/kg	08/29/2003	
TOC - Replicate 3	96300	1730	mg/kg	08/29/2003	
AVERAGE	105000		mg/kg		
% RSD	16.9				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000501

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ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL01-0005-SD	**NEA ID:**	AG12522
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 9:42
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	87600	1240	mg/kg	08/29/2003	
TOC - Replicate 2	69200	1280	mg/kg	08/29/2003	
TOC - Replicate 3	90200	1210	mg/kg	08/29/2003	
AVERAGE	82400		mg/kg		
% RSD	13.9				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
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AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000502

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ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL02-0005-SD	**NEA ID:**	AG12523
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 10:50
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	104000	3480	mg/kg	08/29/2003	
TOC - Replicate 2	79600	2560	mg/kg	08/29/2003	
TOC - Replicate 3	127000	3440	mg/kg	08/29/2003	
AVERAGE	103000		mg/kg		
% RSD	22.8				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000503

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ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL03-0005-SD	**NEA ID:**	AG12524
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 11:40
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	2110	343	mg/kg	08/31/2003	
TOC - Replicate 2	1540	507	mg/kg	08/31/2003	
TOC - Replicate 3	10400	402	mg/kg	08/31/2003	
TOC - Replicate 4	2230	619	mg/kg	08/31/2003	
AVERAGE	4060		mg/kg		
% RSD	104				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000504

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190 Technology Drive, Schenectady, NY 12308

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL04-0005-SD	**NEA ID:**	AG12525
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 13:30
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	100000	2200	mg/kg	08/29/2003	
TOC - Replicate 2	103000	2250	mg/kg	08/29/2003	
TOC - Replicate 3	110000	1820	mg/kg	08/29/2003	
AVERAGE	104000		mg/kg		
% RSD	4.66				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000505

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ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL05-0005-SD	**NEA ID:**	AG12526
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 14:13
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	82900	2450	mg/kg	08/29/2003	
TOC - Replicate 2	82900	2360	mg/kg	08/29/2003	
TOC - Replicate 3	86100	2960	mg/kg	08/29/2003	
AVERAGE	84000		mg/kg		
% RSD	2.25				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000506

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ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL06-0005-SD	**NEA ID:**	AG12527
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 15:00
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	61800	2290	mg/kg	08/29/2003	
TOC - Replicate 2	80500	2220	mg/kg	08/29/2003	
TOC - Replicate 3	77300	2180	mg/kg	08/29/2003	
AVERAGE	73200		mg/kg		
% RSD	13.7				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000507

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL07-0005-SD	**NEA ID:**	AG12528
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 15:28
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	59800	1080	mg/kg	08/29/2003	
TOC - Replicate 2	68500	1210	mg/kg	08/29/2003	
TOC - Replicate 3	47900	1150	mg/kg	08/29/2003	
AVERAGE	58800		mg/kg		
% RSD	17.6				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

John P. Connor

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000508

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL08-0005-SD	**NEA ID:**	AG12529
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 16:06
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	79600	1830	mg/kg	08/29/2003	
TOC - Replicate 2	65500	1790	mg/kg	08/29/2003	
TOC - Replicate 3	73500	1850	mg/kg	08/29/2003	
AVERAGE	72900		mg/kg		
% RSD	9.75				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000509

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL09-0005-SD	**NEA ID:**	AG12530
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 15:40
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	85400	2300	mg/kg	08/29/2003	
TOC - Replicate 2	84800	2380	mg/kg	08/29/2003	
TOC - Replicate 3	92900	2600	mg/kg	08/29/2003	
AVERAGE	87700		mg/kg		
% RSD	5.12				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000510

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
09/09/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL10-0005-SD	**NEA ID:**	AG12531
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 16:50
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	87600	1860	mg/kg	09/02/2003	
TOC - Replicate 2	87000	1730	mg/kg	09/02/2003	
TOC - Replicate 3	79500	1640	mg/kg	09/02/2003	
AVERAGE	84700		mg/kg		
% RSD	5.34				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000511

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
09/02/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	FB00-0000-SD	**NEA ID:**	AG12532
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** 17:00
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	577	328	mg/kg	09/02/2003	
TOC - Replicate 2	1480	472	mg/kg	09/02/2003	
TOC - Replicate 3	471	353	mg/kg	09/02/2003	
TOC - Replicate 4	607	384	mg/kg	09/02/2003	
AVERAGE	783		mg/kg		
% RSD	59.5				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000512

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
09/02/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	BD00-0000-SD	**NEA ID:**	AG12533
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/05/2003 **TIME:** N/A
DATE RECEIVED:	08/27/2003 **TIME:** 15:45	**PROJECT:**	2003 SILVER LAKE STUDY-GENSIL:153
SAMPLED BY:	I. FELTY	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	136000	1140	mg/kg	09/02/2003	
TOC - Replicate 2	143000	1250	mg/kg	09/02/2003	
TOC - Replicate 3	156000	1360	mg/kg	09/02/2003	
AVERAGE	145000		mg/kg		
% RSD	6.84				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

000513

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

?190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL-SE001533-0-3G07	**NEA ID:**	AG12505
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/07/2003 **TIME:** N/A
DATE RECEIVED:	08/27/2003 **TIME:** 15:40	**PROJECT:**	401.52.001 SILVER LAKE SED SAMP
SAMPLED BY:	S. LEWITT	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	91800	1140	mg/kg	08/28/2003	
TOC - Replicate 2	92000	1240	mg/kg	08/28/2003	
TOC - Replicate 3	92300	1190	mg/kg	08/28/2003	
AVERAGE	92000		mg/kg		
% RSD	0.287				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL-SE001534-0-3G07	**NEA ID:**	AG12506
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/07/2003 **TIME:** N/A
DATE RECEIVED:	08/27/2003 **TIME:** 15:40	**PROJECT:**	401.52.001 SILVER LAKE SED SAMP
SAMPLED BY:	S. LEWITT	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	168000	1240	mg/kg	08/28/2003	
TOC - Replicate 2	151000	1150	mg/kg	08/28/2003	
TOC - Replicate 3	174000	1560	mg/kg	08/28/2003	
AVERAGE	164000		mg/kg		
% RSD	7.32				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

?190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL-SE001535-0-3G07	**NEA ID:**	AG12507
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/07/2003 **TIME:** N/A
DATE RECEIVED:	08/27/2003 **TIME:** 15:40	**PROJECT:**	401.52.001 SILVER LAKE SED SAMP
SAMPLED BY:	S. LEWITT	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	95700	1200	mg/kg	08/28/2003	
TOC - Replicate 2	105000	1170	mg/kg	08/28/2003	
TOC - Replicate 3	109000	1130	mg/kg	08/28/2003	
AVERAGE	103000		mg/kg		
% RSD	6.68				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL-SE001536-0-3G07	**NEA ID:**	AG12508
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/07/2003 **TIME:** N/A
DATE RECEIVED:	08/27/2003 **TIME:** 15:40	**PROJECT:**	401.52.001 SILVER LAKE SED SAMP
SAMPLED BY:	S. LEWITT	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	121000	1170	mg/kg	08/28/2003	
TOC - Replicate 2	93000	981	mg/kg	08/28/2003	
TOC - Replicate 3	108000	1220	mg/kg	08/28/2003	
AVERAGE	107000		mg/kg		
% RSD	13.0				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
02/09/2004
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL-SE001537-0-3G07	**NEA ID:**	AG12509
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/07/2003 **TIME:** N/A
DATE RECEIVED:	08/27/2003 **TIME:** 15:40	**PROJECT:**	401.52.001 SILVER LAKE SED SAMP
SAMPLED BY:	S. LEWITT	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	107000	805	mg/kg	08/28/2003	
TOC - Replicate 2	72900	852	mg/kg	08/28/2003	
TOC - Replicate 3	86100	794	mg/kg	08/28/2003	
AVERAGE	88600		mg/kg		
% RSD	19.3				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL-SE001538-0-3G07	**NEA ID:**	AG12510
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/07/2003 **TIME:** N/A
DATE RECEIVED:	08/27/2003 **TIME:** 15:40	**PROJECT:**	401.52.001 SILVER LAKE SED SAMP
SAMPLED BY:	S. LEWITT	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	232000	1490	mg/kg	08/29/2003	
TOC - Replicate 2	226000	1480	mg/kg	08/29/2003	
TOC - Replicate 3	232000	1640	mg/kg	08/29/2003	
AVERAGE	230000		mg/kg		
% RSD	1.67				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

2190 Technology Drive, Schenectady, NY 12308

(518) 346-4592 • FAX: (518) 381-6055

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08/31/2003
GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

CUSTOMER ID:	SL-SE001539-0-3G07	**NEA ID:**	AG12511
MATRIX :	SEDIMENT	**DATE SAMPLED:**	08/07/2003 **TIME:** N/A
DATE RECEIVED:	08/27/2003 **TIME:** 15:40	**PROJECT:**	401.52.001 SILVER LAKE SED SAMP
SAMPLED BY:	S. LEWITT	**LOCATION:**	PITTSFIELD, MA
CUSTOMER PO:	N/A	**LAB ELAP #:**	11078

PARAMETER PERFORME	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
TOC by EPA/LLOYD KAHN METHOD					
TOC - Replicate 1	50600	802	mg/kg	08/29/2003	
TOC - Replicate 2	64700	824	mg/kg	08/29/2003	
TOC - Replicate 3	52000	761	mg/kg	08/29/2003	
AVERAGE	55700		mg/kg		
% RSD	14.0				

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

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Northeast Analytical, Inc.
Robert E. Wagner, Laboratory Director

1
DATA SHEET
TOTAL ORGANIC CARBON

LAB NAME: NORTHEAST ANALYTICAL, INC.

LAB CODE: NYS ELAP #11078

SDG No.: AG12505

MATRIX: SEDIMENT

INSTRUMENT ID#: DC 190 BOAT MODULE

Concentration Units (mg/L or mg/kg dry weight): mg/kg

NEA SAMPLE #	CLIENT SAMPLE #	DATE ANALYZED	DATE RECEIVED	AVE. CONC.	C	Q
AG12505	SL-SE001533-0-3G07	8/28/2003	8/27/2003	92000		
AG12506	SL-SE001534-0-3G07	8/28/2003	8/27/2003	164000		
AG12507	SL-SE001535-0-3G07	8/28/2003	8/27/2003	103000		
AG12508	SL-SE001536-0-3G07	8/28/2003	8/27/2003	107000		
AG12509	SL-SE001537-0-3G07	8/28/2003	8/27/2003	88600		
AG12510	SL-SE001538-0-3G07	8/29/2003	8/27/2003	230000		
AG12511	SL-SE001539-0-3G07	8/29/2003	8/27/2003	55700		

NORTHEAST ANALYTICAL

ENVIRONMENTAL LAB SERVICES

)0 Technology Drive, Schenectady, NY 12308

)18) 346-4592 • FAX: (518) 381-6055

CERTIFICATE OF ANALYSIS
08/21/2003

GENERAL ELECTRIC COMPANY
100 WOODLAWN AVENUE
PITTSFIELD, MA 01201
CONTACT: ANDY SILFER

MATRIX: LEACHATE **PROJECT:** 2003 SILVER LAKE STUDY-GENSIL:153

DATE RECEIVED: 08/08/2003 **TIME:** 15:00 **LOCATION:** PITTSFIELD, MA

SAMPLED BY: K. MURRAY **LAB ELAP #:** 11078

CUSTOMER PO: N/A

NEA ID	CUSTOMER ID	METHOD	DATE SAMPLED	TIME SAMPLED	RESULTS	PQL	UNITS	DATE ANALYZED
Total Organic Carbon								
AG10899	SL02-0530-LI	EPA 415.1	08/08/2003	11:10	42.6	0.966	mg/L	08/20/2003
AG10900	SL06-0530-LI	EPA 415.1	08/08/2003	12:20	43.0	0.966	mg/L	08/20/2003
)10901	SL09-0530-LI	EPA 415.1	08/08/2003	12:35	33.8	0.966	mg/L	08/20/2003
)10902	FB00-0000-LI	EPA 415.1	08/08/2003	12:13	5.92	0.966	mg/L	08/20/2003

Note: ND (Not Detected) Denotes analyte not detected at a concentration greater than the PQL
PQL (Practical Quantitation Limit) Denotes lowest analyte concentration reportable for the sample

AUTHORIZED SIGNATURE:

John P. Capon

)rtheast Analytical, Inc.
)ert E. Wagner, Laboratory Director

000190

Appendix B

Boring Logs

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engineers & scientists

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT SILVER LAKE
LOCATION GE PITTSFIELD, MA
DATE STARTED 7-23-03 DATE COMPLETED

HOLE NO. SLGT03-12
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH WHILE DRILLING N/A
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING 140# - 30"
"/OR — % CORE RECOVERY

CASING TYPE Housing 3" Shelby Tubes 2" spoons (DFL) IG

SHEET 1 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						NOTE: All Meas. Made FROM Drill PlatforM	
5							
						SILVERLAKE	
10							
15							
20							
						22.3	22.3
	22.3	T-1		Rec		- 1 ATTEMPT 25 min set time	Vain SHEAR 15 - Shear 10 R Mold Inch Pounds
25	24.3			1.65			
	24.3	T-2		Rec		- 2 ATTEMPTS - 25 MIN set TIME	
	26.3			1.90		(Black Wet SILT TR. Clay	
	26.3	T-3		Rec		TR. GARBage Plastic/wire)	
	28.3			1.85		1 ATTEMPT - 25 min set TIME	
30							
	32.3	S-1		WOR		[Olive Brown, Wet, Loose Silt	
	34.3			for 2'		TR. Shell Frags (MORE)]	
35							
	35.5					- Vein Shear Test - 15 - Shear Inch pounds 10 - R. Mold 35.5	
						MATERIAL Description A.A.	
	37.3	S-2		WOR		45 shear > Inch pounds	
40	39.3			for 2'		25 R. MOLD	

39.8 - VANE SHEAR TEST

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT Silver Lake
LOCATION GE Pittsfield, Ma.
DATE STARTED 7-23-03 DATE COMPLETED

HOLE NO. SLGT-03-12
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH WHILE DRILLING N/A
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING 140# - 30"
"/OR — % CORE RECOVERY

CASING TYPE 4" casing 3" x 30" Shelby Tubes 2' Split Spoons (DFL)

IG

SHEET 2 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	42.3-	S-3		WOR-2'			
	44.3-				0	85 - INITIAL INCH LBS	
45	44.8	V-S		Vein SHEAR		35 R Mold	47.3
	47.3			WOR		GRAY wet Loose SILT FR. F. SAND	
	49.3			2'	6	110 Initial Inch LBS.	
50	49.8	V-S		VEIN Shear		80 R. Mold	
	52.3			1-2			
	54.3			5-6	7	GRAY wet Loose F. SAND LITTLE SILT	
55		L 54.3		- Vein Refusal		- were not able to push vein into sed. to 54.8 Did test at 54.3	54.3
60							

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT SILVER LAKE
LOCATION GE Pittsfield, Pittsfield, Ma.
DATE STARTED 7-24-03 DATE COMPLETED 7-24-03

HOLE NO. SLGT-03-08
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH WHILE DRILLING N/A
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY

140#-30"

I. G. SHEET 1 OF 1

CASING TYPE H Casing (DFL)
3" x 30" SHELBY TUBES
2" split spoons

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						SILVER LAKE	
5							
						6.7 TOP of Mud Line	6.7
	6.7	T-1		Rec.		-1 ATTEMPT 25 min. shot time	
	8.7			0.8			
	8.7	T-2		Rec.		-1 ATTEMPT 25 min. " "	
10	10.7			0.5			
	10.7	T-3		Rec. 1.1		-1 ATTEMPT 25 min. " "	
	12.7			0.1 2.3	3	← Black wet Loose F.M. SAND tr. SILT TR. F. Gravel	
						Bottom of Boring 12.7	
15							
20							
25							
30							
35							
40							

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT Silver Lake
LOCATION GE Pittsfield, Pittfield Ma.
DATE STARTED 7-24-03 DATE COMPLETED

HOLE NO. SLGT-03-07
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ "/OR — % CORE RECOVERY

HAMMER FALLING 140#, 30"

CASING TYPE (DFL) H Casing 3"x30" Shelby Tubes 2" split spoons

IG SHEET 1 OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						All Meas. Made From Drill Platform	
5						SILVER LAKE	
						8.0 Mud Line	8.0
10	8.0-10.0	T-1		Rec 1.7		-1 Attempt 25 min. set time 9.0' Vane shear - 0 inch lbs	
	10.0-12.0	T-2		Rec. 1.9		-1 attempt " " " 11.0' Vane shear 20 initial inch 5 remold lbs.	
	12.0-14.0	T-3		Rec. 1.65		-1 attempt " " "	
15	14.0-16.0	S-1		WOR 2'	0		
	16.0-18.0	S-2		WOR-18" 1	0	Brown wet soft SILT AND F. SAND TR. Clay TR. Shell FRAGS	
	18.0-20.0	S-3		WOR 2'	0		
20	20.0-22.0	S-4		WOR 2'	0		22.0

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT GE Pittsfield
LOCATION Silver Lake Pittsfield, Ma
DATE STARTED 7-22-03 DATE COMPLETED

HOLE NO. SLGT 03-10
SURF. EL.
JOB NO. 030 ZIC
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ "/OR — % CORE RECOVERY

HAMMER FALLING 140#-30"

CASING TYPE H casing
DFL Shelby Tubes 2" Samples

IG SHEET | OF |

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						3.1 - WATER Depth	
5	3.1	T-1		Rec		- 2 ATTEMPTS > 25 min allowed for sample in Tube Before	
	5.1			1.25			
	5.1	T-2		Rec		- 1 ATTEMPTS	
	7.1			1.67			
	7.1	S-1					
	9.1		16"	1-1		GRAY wet Loose F-M-C SAND	9.1
10				1-1	2	TR. F. Gravel TR. SILT	
							B.O.B
15							
20							
25							
30							
35							
40							

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT: SILVER LAKE

LOCATION: GE Pittsfield / Pittsfield Ma

DATE STARTED: 7-22-03 DATE COMPLETED: 7-22-03

HOLE NO.: SLGT 03-11

SURF. EL.

JOB NO.: 03021C

GROUND WATER DEPTH WHILE DRILLING

BEFORE CASING REMOVED

AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY 140# - 30"

CASING TYPE: H casing, 2" spoons, Shelby Tubes, VANE Shear (DFL) IG

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						All Meas. Made From DRILL Platform	
5							
10							
						12.5 water depth	12.5
	12.5	T-1		Rec.		— 1 ATTEMPT	
15	14.5			1.75			
	14.5	T-2		Rec.		— 1 ATTEMPT > All 4 Tubes Allowed to set 25 Min. before Removal from lake Bottom	
	16.5			1.40			
	16.5	T-3		Rec.		— 2 ATTEMPTS	
	18.5			.02 - 1.50			
	18.5	S-1		WOR			
20	20.5			2'	0		
	20.5	S-2		WOR			
	22.5			2'	0	Olive Brown Moist wet Loose SILT TR. Clay TR. SHELL FRAGS	
	22.5	S-3		WOR			
25	24.5			2'	0		
	24.5	S-4		WOR			
	26.5			2'	0	Bottom of Boring	26.5
30							
35							
40							

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT Silver Lake
LOCATION GE Pittsfield, Pittsfield, Ma
DATE STARTED 7-23-03 DATE COMPLETED 7-24-03

HOLE NO. SLGT-03-09
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY
140#-30"

CASING TYPE 4" Casing DFL
3" x 30" SHELBY Tubes
2" x 2' Split Spoons

16

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						All Mat'l. Made FROM Drill Platform Silver Lake	
5							
10							
END 7-23						11.5 Mud Line	
	11.5	T-1		84		- 1st Attempt N.R. 25 Min set time	
15	13.5			5-5	9	2ND ATTEMP NR. 25 Min Set Time	
	13.5			7-7		- offset 2' Took spoon 11.5-13.5	
START 7-24	15.5			12-14	19	Black Wet Loose To M. Dense F-M SAND TR. SILT TR. F. Gravel TR. C. SAND	

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT Silver Lake

LOCATION Pittsfield, Mass

HOLE NO. 05

SURF. EL.

DATE STARTED 8-6-03

DATE COMPLETED 8-6-03

JOB NO. 030216

GROUND WATER DEPTH WHILE DRILLING

BEFORE CASING REMOVED

AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE Bob. Mickey Layne

H. Casing 4"

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						water = 22.2'	
5'							
10'							
15'							
20'						1' Foot lb. wench VANE SHEAR First — Second	
	22.2'-24.2'	1U	Push tube			Recovery = 1.9' 23.2' — 0 — 0	
	24.2'-26.2'	2U	Push tube			Recovery = 1.9' 25.2' — 25 — 10 27.2' — 40 — 30	
25'	26.2'-28.2'	3U	Push tube			Recovery = 1.9'	
	28.2'-30.2'	1		WOR		Marho	
30'	30.2'-32.2'	2		↓		↓	
	32.2'-34.2'	3		↓		↓	
	34.2'-36.2'	4		↓			BOB 36.2'

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT silver lake
LOCATION Pittsfield, MASS

HOLE NO. 17
SURF. EL.

DATE STARTED 8-4-03
DATE COMPLETED 8-4-03

JOB NO. 03021C

GROUND WATER DEPTH WHILE DRILLING 10.7' below surface
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE H - 4" casing

Ron, Mickey, Wayne

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						10.7' water	
5'							
						1" Pound test (top of water) VANE SHEAR first / sec	
10'	10.5'-12.5'	1U		Push tube		Recovery = 1.0' — 11.5' — 0 — 0	
	12.5'-14.5'	2U		Push tube		Recovery = 1.8' — 13.5' — 10 — 5	
15'	14.5'-16.5'	3U		Push tube		Recovery = 2.5 — 15.5' — 15 — 10	
	16.5'-18.5'	1		WOR		17.5' — 40 — 20	
20'	18.5'-20.5'	2		↓			
	20.5'-22.5'	3		↓			
	22.5'-24.5'	4		↓			BOB - 24.5
25'							
30'						(IAN's) 2" well 27.4' water screen at 59.0'	

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT Silver Lake
LOCATION Pitcher Field, Mass

HOLE NO. 18
SURF. EL.
JOB NO. 03021C

DATE STARTED 8-5-03
DATE COMPLETED

GROUND WATER DEPTH WHILE DRILLING 9.8' Above Surface
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE Ron, Mickey, Wayne
SHEET 1 OF 1

H Casing 4"

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						water = 9.8'	
5'						water	
10'	9.8'-11.8'	1U		Push tube		Recovery = 1.8'	
	11.8'-13.8'	2U		Push tube		Recovery = 1.9'	
15'	13.8'-15.8'	3U		Push tube		Recovery = 1.9'	
	15.8'-17.8'	1		WOR		Mud Lo	
	17.8'-19.8'	2					
20'	19.8'-21.8'	3					
	23.8'-25.8'	4					EOB — 25.8'
25'							
30'							

top of water
Vane Shears: 1" Rings
First — Second
10.8' — 0 — 0
12.8' — 20 — 10
14.8' — 30 — 18

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT Silver Lake
LOCATION Pittsfield, MASS
HOLE NO. 21
SURF. EL.

DATE STARTED 8-5-03
DATE COMPLETED
JOB NO. 03021C

GROUND WATER DEPTH WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE Rongwick, Lerner
SHEET 1 OF 1

H Casing 4"

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						water = 19.0	
5'							
10'							
15'						Shear test = 1" Pound First – second	
20'	19'-21'	1U		Push tube		Recovery = 1.8 20' — 0 – 0	
	21'-23'	2U		Push tube		Recovery = 1.8 22' — 10 – 5	
25'	23'-25'	3U		Push tube		Recovery = 1.2 24' — 28 – 10	
	25'-27'	1		WOR			
	27'-29'	2		↓		Marlo ↓	
30'	29-31'	3		↓		↓	
	31'-33'	4		↓			
35'							

parratt wolff inc
5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

TEST BORING LOG

DRAFT

PROJECT Silver lake
LOCATION Pitts field, mass

HOLE NO. 25
SURF. EL.
JOB NO. 03021C

DATE STARTED 8-6-03
DATE COMPLETED 8-6-03

GROUND WATER DEPTH WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE Ron, mickey, wayne
SHEET 1 OF 1

H Casing 4"

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						water 4.6' 1" Foot lbs	
						VANE SHear Results First – second	
5'	4.6'-6.6'	1U	PusH tube			Recovery = 1.9' 5.6' — 0 — 0	
	6.6'-8.6'	2U	PusH Tube			Recovery = 1.7' 7.6' — 15 — 10	
10'	8.6'-10.6'	3U	PusH tube			Recovery = 1.4' 9.6' — 95 — 25	
	10.6'-12.6'	1		WOR		marlo	
	12.6'-14.6'	2		↓		↓	
15'	14.6'-16.6'	3		↓		↓	
	16.6'-18.6'	4		WOH ↓			BOB – 18.6
20'							

perratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT Silver Lake
LOCATION Pittsfield, Mass

HOLE NO. 04
SURF. EL.
JOB NO. 03021C

DATE STARTED 8-6-03
DATE COMPLETED 8-6-03

GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE H Casing 4"

Ron, Michael Joyce

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						Water = 11.65'	
5'							
						1" Foot lbs VANE SHEAR	
10'							
	11.6'-13.6'	1U	Push	H Tube		Recovery = 1.4' 12.6' — First 0 — Second 0	
	13.6'-15.6'	2U	Push	Tube		Recovery = 1.9' 14.6' — 15 — 8	
15'	15.6'-17.6'	3U	Push	tube		Recovery = 1.85' 16.6' — 38 — 20	
	17.6'-19.6'	1		WOR		mantle	
20'	19.6'-21.6'	2					
	21.6'-23.6'	3					
	23.6'-25.6'	4					BOB = 25.6'
25'							
30'							

parrett wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT Silver L
LOCATION Pitts Field, MASS
HOLE NO. 24
SURF. EL.
JOB NO. 03021C

DATE STARTED 8-5-03
DATE COMPLETED 8-6-03

GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE H Casing 4"

Ron, Mick, Wayne

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						water 19.4'	
5'							
10'							
15'							
20'	19.4'-21.4'	1U		Push tube		Recovery = 1.7'	
	21.4'-23.4'	2U		Push tube		Recovery = 1.7'	
25'	23.4'-25.4'	3U		Push tube		Recovery = 0.4'	
	25.4'-27.5	4U		Push tube		Recovery = 1.9'	
	25.4'-27.4'	1		WOR			
	27.4'-29.4'	2					
30'	29.4'-31.4'	3					
	31.4'-33.4'	4					BOB-33.4'

1" Pound Shear test

	First	Second
20'4"	0	0
22.4'	15	5
24.4'	42	17

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT SILVER LAKE
LOCATION GE PITTSFIELD, Pittsfield, MA.
DATE STARTED 7-31-03 DATE COMPLETED DRAFT

HOLE NO. SLGT 03-16
SURF. EL.
JOB NO. 03621C
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY
140# - 30"

CASING TYPE H casing (DFL) 3" x 30" Shelby Tubes 2" Spoons

IG SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						SILVER LAKE	
5						— Mud Line 5.0	5.0
	5.0-7.0	T-1		Rec		— 1st ATTEMPT - 0.8' ft. 30 MIN set time	
				0.8			
	7.0-9.0	T-2		Rec		— 1ST ATTEMPT — NR — 25 min set time	
10				0.65		— 2ND ATTEMPT — 0.65 — 30 MIN set time	
	9.0-11.0	T-3		Rec.			
				1.5			
	11.0-13.0			WOR			
				2'	0		
15	13.0-15.0			WOR		Brown MOIST TO WET V. Soft SILT TR. SHELLS	
				2'	0		
	15.0-17.0			WOH			
				2'	6		
	17.0-19.0			WOH	6		
20				2'		B.O.B.	19.0

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT SILVER LAKE
LOCATION GE Pittfield, Pittsfield, Ma.
DATE STARTED 7-30-03 DATE COMPLETED DRAFT

HOLE NO. SLGT-03-14
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY
140# - 30"

CASING TYPE H casing
3"x30" shelby Tubes
2" split spoons
(DFL)

IG

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						SILVER LAKE	
10							
15							
20							
25						Mud Line	24.3
	24.3	T-1		Rec		1ST ATTEMPT NR - 30 min set time	
	26.3			0.0		2ND ATTEMPT NR - 30 min set time	
	26.3	T-2		Rec.		- 1ST ATTEMPT 25 min set time	
	28.3			1.75			
	28.3	T-3		Rec		VANE SHEAR 1'-0	
30	30.3			1.5'		2/STATEMPT 3' 52 Initial 52 Remolded	
	30.3	S-1		Wash		5' -	
	32.3			2'	0		
	32.3	S-2		Wash		Brown wet Soft SILT	
35	34.3			2'	0		
	34.3	S-3		Wash			
	36.3			2'	0		
	36.3	S-4		Wash			
	38.3			2'	0		
40							

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT SILVER LAKE
LOCATION GE Pittsfield, Pittsfield, Mg **DRAFT**
DATE STARTED 7-29-03 DATE COMPLETED 7-30-03

HOLE NO. SLGT03-19
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH WHILE DRILLING N/A
BEFORE CASING REMOVED
AFTER CASING REMOVED ↓

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ "/OR — % CORE RECOVERY

HAMMER FALLING 140# - 30"

CASING TYPE H casing (DFL) 3" x 30" Shelby Tube 2" - Pounds

EG SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						Silver Lake	
10							
15							
20							
25						Mud Line	23.3
	23.3	T-1		Rec.		- 1 ATTEMPT - 25 Min set time	
	25.3			1.5 C			
30	25.3	T-2		Rec.		- 1 ATTEMPT - 25 Min set TIME	
	27.3			0.8			
	27.3	T-3		Rec.		1st ATTEMPT NR - 25 Min set time	
	29.3			2.0		2ND ATTEMPT 2.0 Rec. 25 Min set time	
	29.3	S-1		WOR			
35	31.3			2'	0	Black wet soft SILT	
	31.3	S-2		WOR			
	33.3			2'	0		
	33.3	S-3		WOR		Brown wet soft SILT	
	35.3			2'	0		
40	35.3	S-4		WOR			
	37.3			2'	0		37.3
						B.O.B.	

END 7-29
START 7-30

VANE SHEAR
1 - 0 - Inch
3 - 5 Inch
5 - 20 Inch
10 Inch LB

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT Silver Lake
LOCATION Ge Pittsfield, Pittsfield Ma
DATE STARTED 7-31-03 DATE COMPLETED

DRAFT

HOLE NO. SLBT03-02
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY
146#-30"

IG

SHEET 1 OF 1

CASING TYPE H Casing (DFL) 3" x 30" Split Tube 2" Split Spoon

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						SILVER Lake mud line ↓ 8.6	8.6
10	8.6	T-1		Rec		— 1 ATTEMPT 30 min set time	
	10.6			1.10			
	10.6	T-2		Rec		— 1 ATTEMPT 25 min. Set time	
	12.6			1.80		— 1 ATTEMPT 25 min Set time	
	12.6	T-3		Rec.		3 — 15 Initial, 10 Remold, Initial	
15	14.6					5 — 40 Initial, 20 Remold, Initial	
	14.6	S-1		WOR			
	16.6			2'	0		
	16.6	S-2		WOR			
	18.6			2'	0		
20	18.6	S-3		WOR			
	20.6			2'	0		
	20.6	S-4		WOR		— GRAY wet soft SILT Tr. Shell frags to organic material	
	22.6			2'	0		
25						— 23.6 Vane Shear 35 Initial, 10 Remold	
	25.6	S-5		WOR			
	27.6			2'	0		
30						— 28.6 Vane Shear — 65 Initial Inch lbs, 20 Remold - Inch lbs	
	29.6	S-6		WOH			
	31.6			2'	0		
35						— 32.6 Vane Shear — 105 Initial Inch LBS, 50 Remold	
	34.6	S-7		6-9		GRAY wet M. Dense F. SAND Little SILT	
	36.6			10-7	PT	— 35.6 — Vane Shear 250 INCH lbs MAX Out Reading	
						5.6.15	36.6
40							

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT Silver Lake
LOCATION GE Pittsfield, Pittsfield, Ma.
DATE STARTED 7-30-03 DATE COMPLETED 7-31-03

HOLE NO. SLGT-03-06
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ 140# HAMMER FALLING 30" /OR — % CORE RECOVERY

CASING TYPE Housing 3" x 30" Shelby Tubes 2" spoons (DPL) FG SHEET 1 OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5							
10							
15						Silver Lake	
20							
25						Top of Mud Line	27.7
30	27.7	T-1		Rec.			
	29.7			2.0		- 1 ATTEMPT - 30 min	
	29.7	T-2		Rec.		- 1 ATTEMPT - 25 min	
END 7-30-03	31.7			1.50		- 1 ATTEMPT - 25 min; VANE SHEAR	
	31.7	T-3		Rec.		1' - 5 - initial (Inch lbs)	
7-31-03	33.7	S-1		0.90		5 - remold	
35	33.7			WOR		3' - 10 - Initial	
	35.7	S-2		2'	0	- 5 - remold	
	35.7			WOR		Brown wet soft SILT; 5' - 35 - INITIAL	
	37.7	S-3		2'	0	25 - remold	
	37.7			WOR 2'			
40	39.7	S-4			0		
	41.7			WOR 2'	0	41.7 B.O.B.	

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT Silver Lake
LOCATION GE Pittsfield, Pittsfield, Ma.
DATE STARTED 7-24-03 DATE COMPLETED

HOLE NO. SLGT-03-01
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH WHILE DRILLING N/A
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY
140# - 30"

CASING TYPE (DFL) H casing 3"x30" Shelby Tube 2" split spoons

IG SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						2.9 Top of	
5	3.0-5.0	T-1		Rec. 1.75"		1 ATTEMPT 25 min set time, 1' VANE SHEAR AT 1' 0 INCH LBS. N/A Remold	
	5.0-7.0	T-2		Rec. 1.80		1 ATTEMPT 3' VANE SHEAR Initial 20 - Inch Pounds Remold 10-	
10	7.0-9.0	T-3		Rec 1.90		1 ATTEMPT 5' VANE SHEAR Initial 55 - Inch Pounds Remold 35-Inch Pound	
	9.0-11.0	S-1		WOR 2'	0		
	11.0-13.0	S-2		WOR 2'	0		
15	13.0-15.0	S-3		WOR 2'	0	Brown, wet v soft SILT TR. Shell	
	15.0-17.0	S-4		WOR 2'	0		17.0
							B.O.B.
20							
25							
30							
35							
40							

END 7-24-03

S: 7-25-03

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT Silver Lake
LOCATION GE Pittsfield, Pittsfield, Ma.
DATE STARTED 7-25-03 DATE COMPLETED 7-25-03

HOLE NO. SLGT 03-03
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY 140# - 30"

CASING TYPE H Casing w/spin Head
3" x 30" Shelby Tube
2" spoons
(DFL) IG SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						1.5 Silver Lake	1.5
	1.5	T-1		Rec.		Black wet soft SILT TR. Clay 25 min set Time 1 attempt	
	3.5			1.50			
	3.5	T-2		Rec.			
5	5.5			1.80			
	5.5	T-3		Rec.			
	7.5			1.80			
	7.5	S-1		WoR			
10	9.5			2'	0	Vane Shear 1' - 0; 3' 15 - Initial, 3' 25 - Remold; 5' 35 - Initial, 5' 20 - Remold	
	9.5	S-2		WoR			
	11.5			2'	0		
	11.5	S-3		WoH			
	13.5			2'	0	Gray moist soft SILT TR. Shell Frags	
15	13.5	S-4		WoH			
	15.5			2'	0		15.5
						B.O.B.	
20							
25							
30							
35							
40							

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT: SILVER LAKE
LOCATION: GE PITTSFIELD, Pittsfield, Ma.
DATE STARTED: 8-1-03 DATE COMPLETED: 8-1-03

HOLE NO. SLGT03-15
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH WHILE DRILLING: N/A
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING 140# - 30" "/OR — % CORE RECOVERY

CASING TYPE: H casing; 3" x 30" Kelly Tubes; 2" x 2' split spoons (DFL)
IG SHEET 1 OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						SILVER LAKE	
5							
10							
15							
						Mud Line	18.8
20	18.8	T-1		Rec.		30 min set time 1' 0 — Inch lbs	
	20.8			1.75			
	20.8	T-2		Rec.		25 min set time 3' E 15 — Initial, 5 — remold	
	22.8			1.90			
	22.8	T-3		Rec.		25 min set time 5' E 45 — Initial, 20 — Remold	
25	24.8			1.75			
	24.8	S-1		WOR		Black wet soft SILT 0 - 6' Below Mud Line	
	26.8			2'	0		
	26.8	S-2		WOR			
	28.8			2'	0	Olive Brown MOIST TO wet soft to M. STIFF SILT TR. SHELL FRAGS	
30	28.8	S-3		WOH-1			
	30.8			3-4	4		
	30.8	S-4		4-4			
	32.8			3-5	7	B.O.B	32.8
35							
40							

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT: SILVER LAKE
LOCATION: GE Pittsfield, Ma.
DATE STARTED: 7-29-03
DATE COMPLETED:

HOLE NO. SLCT03-13
SURF. EL.
JOB NO. 03021C

GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY

140# - 30"

CASING TYPE: H Casing
2" s poons
3"x30" SHELBY TUBES

(DFL)

IG

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5							
10						SILVER LAKE	
15							
20							
						22.7 Mud Line	22.7
25	22.7	T-1		Rec.		1st ATTEMPT NR; 2ND ATTEMPT 1.75; 25 min set time; 30 min set time	
	24.7			1.75			
	24.7	T-2		Rec.		GRAY Black wet SILT TR. SHELL FRAGS; -0 Initial	
	26.7			1.70		25 - Initial; 10 - Remold	
	26.7	T-3		Rec.			
30	28.7			WOR		-NR; 30 - INITIAL; 20 - Remold	
	28.7	S-1		2'	0		
	30.7			WOR		-Black wet soft SILT	
	30.7	S-2		2'	0	TR. Clay TR SHELLS	
	32.7			WOR		-NR	
35	34.7	S-3		2'	0		
	34.7			WOR			
	36.7	S-4		WOR 2'		B.O.B Bottom of Boring	36.7
40							

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT SILVER LAKE
LOCATION General Electric, Pittsfield, Ma.
DATE STARTED 7-28-03 DATE COMPLETED

HOLE NO. SLGT 03-22
SURF. EL.
JOB NO. 03021C
GROUND WATER DEPTH WHILE DRILLING N/A
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY

140# - 30"

CASING TYPE H Casing 3" x 30" Shelby Tubes 2" split spoons (DFL)

IG

SHEET / OF /

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						SILVER LAKE	
						Mud Line	8.0
END 28	8.0-10.0	T-1		Rec 1.6		2 ATTEMPTS 1.0 Rec. 2ND ATTEMPT 25 min set time	
10							
START 7-28	10.0-12.0	T-2		Rec. 1.75		Vane 1' - Initial - 0 INCH lbs	
	12.0-14.0	T-3		Rec 1.5		3' - Initial - 10 > INCH lbs Remold - 5	
15	14.0-16.0	S-1		WOR-2'		5' Initial 25 > INCH lbs Remold - 10	
					0		
	16.0-18.0	S-2		WOR-2'		GRAY wet soft SILT TR. SHELL FRAGS TR. Clay	
20	18.0-20.0	S-3		WOR-2'	0		
					0		
	20.0-22.0	S-4		WOR-2'			22
					0		
25						B.O.B.	
30							
35							
40							

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT: SILVER LAKE
LOCATION: GE Pittsfield, Pittsfield, MA
DATE STARTED: 7-28-03
DATE COMPLETED:
DRAFT
HOLE NO. SLGT03-23
SURF. EL.
JOB NO. 03021C

GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR — % CORE RECOVERY
140#-30"

CASING TYPE: H Casing, 3" x 30' Shelby Tubes, 2" spoons (DFL) IG
SHEET 1 OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						SILVER LAKE	
						4.8 Depth of water	
5	4.8	T-1		Rec.			4.8
	6.8			2.0		25min Set time	
	6.8	T-2		Rec.		All THREE	
	8.8			1.8		SHELBY TUBES	
10	8.8	T-3		Rec.		VANE 1' – 0 – Initial	
	10.8			1.8		3' – 5 – Initial	
	10.8	S-1		WOR		5 – Remold	
	12.8			2'	0	Gray wet Soft SILT; 5' 30 – Initial	
	12.8	S-2		WOR		TR. Clay, TR Root FRAGS; 16 – Remold	
15	14.8			2'	0		
	14.8	S-3		WOR			
	16.8			2'	0		
	16.8	S-4		WOR			
	18.8			2'	0		18.8
20							B.O.B.
25							

parrett wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield M.A.
DATE STARTED 6/4/03

DRAFT

DATE COMPLETED 6/4/03

HOLE NO. SLGW-18
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING 6.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED "

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE
4 1/4" HSA

R. Moretti

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5.0'						No sampling Augered to 14.0' w/ wooden plug	
10.0'							
15.0'							14.0'
						Installed 2" .10 slot PVC well 10.0'-2" .10 slot screen 14.0'-4.0' 6.5'-2" Riser 4.0'-+2.0 6 bags #0 sand 14.0'-3.0' 1/2 bag bentonite chips 3.0'-2.0' 1, T2-coated bottom plug 1-2" J Plug 1-4" Pro casing 1-4" Alum cover 1-2522 lock 1-18" sono tube 1 1/2 bags concrete mix	BoB

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield M.A.
DATE STARTED 6/4/03 DATE COMPLETED 6/4/03

HOLE NO. SLGW-1D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH 6.0' WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE
4¼" HSA

L. Nanette

SHEET 1 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-2.0'	1				Brown Black dry cinders some brick some roots	2.0'
	2.0'-4.0'	2				Brown Black dry cinders some brick some wood	4.0'
6.0'	4.0'-6.0'	3				Brown dry wood	6.0'
	6.0'-8.0'	4				Gray wet marl	8.0'
10.0'	8.0'-10.0'	5				Gray Brown moist wet Peat and marl	10.0'
	10.0'-12.0'	6				Brown moist wood	12.0'
	12.0'-14.0'	7				Gray Brown wet to moist marl and peat	
15.0'	14.0'-16.0'	8					16.0'
	16.0'-18.0'	9				Gray White moist marl	
20.0'	18.0'-20.0'	10					
	20.0'-22.0'	11					
	22.0'-24.0'	12					25.0'
25.0'	24.0'-26.0'	13				Brown wet F/C sand and F gravel Tr/silt	
	26.0'-28.0'	14					
30.0'	28.0'-30.0'	15					
	30.0'-32.0'	16					
	32.0'-34.0'	17					
35.0'	34.0'-36.0'	18					
							36.0'
							BOB

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 6/4/03 DATE COMPLETED 6/4/03

HOLE NO. SLGW-1D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH WHILE DRILLING 6.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED "

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE

SHEET 2 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						Installed 2" .10 s/ot PVC well 35.0' - +2.0 above surface 4 bags #0 sand 35.0' - 28.0' ½ bag bentonite chips 28.0' - 26.0' 1-2" Threaded bottom plug 1-2" J Plug 1-4" Pvc casing 1-4" Alum cover 1-2537 lock 1-18" sonotube 1-½ bags concrete mix 4 bags Portland ½ bag granular Bentonite	

parrett wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 6/2/03 DATE COMPLETED 6/2/03

HOLE NO. SLGW-28
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING 7.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED "

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE
4¼" HSA

L. Nevatte

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						No sampling Augered to 14.0' w/ wooden plug	
5.0'							
10.0'							
							14.0' BOB
15.0'						Installed 2" .10 slot PVC well 10.0'-2" .10 slot screen 14.0'-4.0' 6.5'-2" Riser 4.0'-+2.0' 9 bags #0 sand 14.0'-3.0' ½ bag bentonite chips 3.0'-2.0' 1 Threaded botton plug 1-2" J Plug 1-4" Pro casing 1-4" Alum cover 1-2527 lock 1-18" sono tube 1½ bags concrete mix	

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 6/2/02 DATE COMPLETED 6/2/03

HOLE NO. SLGW-2D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH WHILE DRILLING 7.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE
4 1/4" HSA

SHEET 1 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-2.0'	1				Brown Black dry F/C sand and cinders Tr/roots	
	2.0'-4.0'	2				Same some F/M gravel	
5.0'	4.0'-6.0'	3				Same Tr/Brick	
	6.0'-8.0'	4				Brown wet F/C sand and F/M gravel Tr/silt	6.0'
10.0'	8.0'-10.0'	5					
	10.0'-12.0'	6					
	12.0'-14.0'	7					
15.0'	14.0'-16.0'	8					
	16.0'-18.0'	9					
20.0'	18.0'-20.0'	10					20.0'
	20.0'-22.0'	11				Brown wet F/C sand Tr/silt	
	22.0'-24.0'	12					
25.0'	24.0'-26.0'	13					
	26.0'-28.0'	14					
30.0'	28.0'-30.0'	15					29.0'
	30.0'-32.0'	16				Brown moist F/C sand and silt	
	32.0'-34.0'	17					
35.0'	34.0'-36.0'	18					
							36.0'
						Brown wet silt and F sand	BOB

parrett wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 6/2/03 DATE COMPLETED 6/2/03

HOLE NO. SLGW-2D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH WHILE DRILLING 7.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED "

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
*/OR — % CORE RECOVERY

CASING TYPE

SHEET 2 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						Installed 2" .10 s/ot PVC well 35.0'-surface 9 bags #0 sand 35.0'-28.0' 1 bag bentonite chips 28.0'-26.0' 1-2" Threaded bottom plug 1-2" J Plug 1-8" FMC 1-2537 lock 1-18" sono tube 1½ bags concrete mix 4 bags Portland ½ bag bentonite gran.	

perratt wolff inc
5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

TEST BORING LOG

DRAFT

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA.
DATE STARTED 6/3/03 DATE COMPLETED 6/3/03

HOLE NO. SLGW-35
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING 1.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED "

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE 4 1/4" H/A

L. Nesbitt

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5.0'						No sampling Augered to 11.5' w/wooden plug	
10.0'							
15.0'							11.5' Bob
						Installed 2", .10 slot PVC well 10.0'-2", .10 slot screen 11.5'-1.5' 4.5'-2" Riser 1.5'-+3.0' 5 Bags #0 sand 11.5'-1.25' 1/4 Bag Bentonite chips 1.25'-1.0' 1-2" Threaded bottom plug 1-2" T Plug 1-4" Pro casing 1-4" Alum. cover 1-25?? Lock 1-18" sonotube 1 1/2 bags concrete mix	

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 6/3/03 DATE COMPLETED 6/3/03

HOLE NO. SLGW-3D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH WHILE DRILLING 4.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED "

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE
4 1/4" HSA

K. Nowak

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-2.0'	1				Black moist silt and peat little roots	1.0' 2.0'
	2.0'-4.0'	2				Black wet silt little F/M sand	4.0'
5.0'	4.0'-6.0'	3				Brown wet F/C sand and F/M gravel Tr/silt	
	6.0'-8.0'	4					
10.0'	8.0'-10.0'	5					
	10.0'-12.0'	6					12.0'
	12.0'-14.0'	7				Brown moist to wet marl and peat some F/C sand little silt	
15.0'	14.0'-16.0'	8					16.0'
	16.0'-18.0'	9				Gray Brown moist marl	
20.0'	18.0'-20.0'	10				Same and Peat	
	20.0'-22.0'	11					22.0'
	22.0'-24.0'	12				Brown moist Peat and marl little F sand tr/silt	
25.0'	24.0'-26.0'	13					
	26.0'-27.0'	14					27.0'
30.0'	28.0'-30.0'	15				Brown wet F/C sand and F/M gravel Tr/silt	
	30.0'-32.0'	16					32.0' BOB

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 6/ /03 DATE COMPLETED 6/ /03

HOLE NO. SL6NJ-3D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH WHILE DRILLING 1.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE

SHEET 2 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						Installed 2" .10 s/ot PVC well 32.0' - +2.0' above surface 4 bags #0 sand 32.0'-25.0' ½ bag bentonite chips 25.0'-23.0' 1-2" Threaded bottom plug 1-2" J Plug 1-4" Procasing 1-4" Alumcover 1-2537 lock 1-18" sono tube 1-½ bags concrete mix 4 bags Portland cement ½ bag granular bentonite	

parratt wolff inc

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

TEST BORING LOG

DRAFT

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 5-30-03
DATE COMPLETED 5-30-03

HOLE NO. SLGW-4S
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING 5.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED ''

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE 4 1/4" HSA

R. Ronalls

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						No sampling Augered to 14.0'	
5.0							
10.0							
							14.0' EOB
15.0						Installed 2" .10 slot PVC well 10.0'-2" .10 slot screen 14.0'-4.0' 6.0'-2" Riser 4.0'- +2.0' 6 bags #0 sand 14.0'-3.0' ½ bag bentonite chips 3.0'-2.0' 1-2" Threaded bottom plug 1-2" J Plug 1-4" Pro casing 1-4" Alum cover 1-2537 lock 1-18" sonotube 1½ bags concrete mix	

parratt wolff inc
5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

TEST BORING LOG

DRAFT

PROJECT GE Pittsfield
LOCATION Pittsfield MA.
DATE STARTED 5-30-03 DATE COMPLETED 5-30-03

HOLE NO. SLGW-4D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH WHILE DRILLING 5.5'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED ,,

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING "/OR — % CORE RECOVERY

CASING TYPE 4¼" HSA

R. Ronalds

SHEET 1 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-2.0'	1				Brown dry F/C sand and F/M gravel Tr. silt	2.0
	2.0'-4.0'	2				Black dry cinders little F/C sand little F/M gravel Tr/silt	
5.0'	4.0'-6.0'	3					5.0
	6.0'-8.0'	4				Same wet	
	8.0'-10.0'	5					
10.0'							
	10.0'-12.0'	6					12.0'
	12.0'-14.0'	7				Brown Gray Wet F/C sand and silt some F/M gravel	
15.0'	14.0'-16.0'	8					14.0'
						Lt. Brown wet clayic silt little F/M sand	16.0'
	16.0'-18.0'	9				Brown wet F/C sand and silt little F/gravel	
	18.0'-20.0'	10				Brown wet F/C sand and F/M gravel Tr/silt	
20.0'							
	20.0'-22.0'	11					
	22.0'-24.0'	12					
25.0'	24.0'-26.0'	13					
	26.0'-28.0'	14					
	28.0'-30.0'	15					
30.0'							
	30.0'-32.0'	16					
	32.0'-34.0'	17					35.0'
35.0'	34.0'-36.0'	18					36.0'
						Brown wet silt some F sand	BOB

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 5/30/03 DATE COMPLETED 5/30/03

HOLE NO. SL6W-4D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH WHILE DRILLING 5.0'
BEFORE CASING Installed
REMOVED 2" PVC well
AFTER CASING "
REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE

SHEET 2 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						Installed 2" .10 slot PVC well 35.0' - +2.0 above surface 4 bags #0 sand 35.0'-28.0' ½ bag bentonite chips 28.0-26.0' 1-2" Threaded bottom plug 1-2" J Plug 1-4" Pro casing 1-4" Alum cover 1-2537 lock 1-18" sonotube 1-½ bags concrete mix 4 bags Portland cement ½ bag granular bentonite	

parratt wolff inc
5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

TEST BORING LOG

DRAFT

PROJECT

LOCATION

DATE STARTED 6/6/03

DATE COMPLETED 6/6/03

HOLE NO. SLGW-5S

SURF. EL.

JOB NO.

GROUND WATER DEPTH WHILE DRILLING 4.0'

BEFORE CASING REMOVED Installed 2" PVC well

AFTER CASING REMOVED "

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING "/OR -- % CORE RECOVERY

CASING TYPE $4\frac{1}{4}$" HSA

R. Novatk

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						No sampling Augered to 12.0' w/wooden plug	
5.0'							
10.0'							
							12.0'
15.0'						Installed 2" PVC well 12.0'-surface 7 bags #0 sand 12.0'-1.5' $\frac{1}{2}$ bag bentonite chips 1.5'-1.0' 10.0' .10 slot screen 12.0'-2.0 2.0' 2" Riser 2.0'-surface 1-8" FMC 1-2537 lock 1-18" sonotube $1\frac{1}{2}$ bags concrete mix	BOB

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield M.A.
DATE STARTED 6/6/03 DATE COMPLETED 6/6/03

HOLE NO. SLGW-5D
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING 4.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE
4¼" HSA

R. Nanatte

SHEET 1 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-2.0'	1				Brown Black moist F/C sand and cinders some wood Tr/roots	
	2.0'-4.0'	2				same No roots	4.0'
5.0'	4.0-6.0	3				same wet	
	6.0'-8.0'	4					
10.0'	8.0'-10.0'	5					
	10.0'-12.0'	6					
	12.0'-14.0'	7					
15.0'	14.0'-16.0'	8					
	16.0'-18.0'	9					
20.0'	18.0'-20.0'	10					
	20.0'-22.0'	11					
	22.0'-24.0'	12					
25.0'	24.0'-26.0	13					
							26.0'
	26.1'-28.0'	14				White Brown wet marl	
30.0'	28.0'-30.0'	15					
	30.0'-32.0'	16					
	32.0'-34.0'	17					
35.0'							34.0 BGB

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 6/6/03

DRAFT

DATE COMPLETED 6/6/03

HOLE NO. SLGW-5D
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING 4.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE

SHEET 2 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						Installed 2" .10 slot PVC well 34.0' - surface 4 bags #0 sand 34.0' - 27.8' ½ bag bentonite chips 27.8' - 24.6' 1-2" Threaded bottom plug 1-2" J Plug 1-8" FMC 1-2537 lock 1-18" sono tube 1½ bags concrete mix 4 bags Portland cement ½ bag granular bentonite	

parratt wolff inc

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

DRAFT

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 5/29/03 DATE COMPLETED 5/29/03

HOLE NO. SLGW-65
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING 5.0'
BEFORE CASING REMOVED Installed 2" PVC well
AFTER CASING REMOVED "

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ Geo Probe # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE
4¼" HSA

R. Monatte

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5.0'						No Sampling Augered to 14.0' w/wooden plug	
10.0'							
15.0'						Installed 2", .10 slot PVC well 10.0'-2", .10 slot 14.0'-4.0' 6.0'-2" Riser 4.0'-+2.0' 6-bags #0 sand 14.0'-3.0' ½ bag bentonite chips 3.0-2.0' 1-2" Threaded bottom plug 1-2" J Plug 1-8" FMC 1-2537 lock 1-18" sono tube 1-½ bags concrete mix	14.0' BOB

parratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT GE Pittsfield
LOCATION Pittsfield MA.
DATE STARTED 5/29/03 DATE COMPLETED 5/29/03

HOLE NO. SLGW-6D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH 5.0' WHILE DRILLING
BEFORE CASING REMOVED Installed 6" PVC well
AFTER CASING REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ 6eo # HAMMER FALLING
"/OR — % CORE RECOVERY Pride

CASING TYPE
4¼" HSA

SHEET 1 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-2.0'	1				Brown dry Cinders little F/C sand little F/M gravel Tr/roots Tr/silt	2.0'
	2.0'-4.0'	2				Brown dry Cinders little F/C sand Tr/silt	4.0'
5.0'	4.0'-6.0'	3				Brown dry to wet F/C sand little F/gravel Tr/silt	
	6.0'-8.0'	4				same wet	8.0'
10.0'	8.0'-10.0'	5				Brown Gray wet F/C sand Tr/silt	10.0'
	10.0'-12.0'	6				Gray moist silt T-/clay Tr/peat	13.5'
	12.0'-14.0'	7				Gray wet F/C sand little silt	
15.0'	14.0'-16.0'	8					
	16.0'-18.0'	9					
20.0'	18.0'-20.0'	10					20.0'
	20.0'-22.0'	11				same Tr/F gravel	
	22.0'-24.0'	12					
25.0'	24.0'-26.0'	13					
	26.0'-28.0'	14					
30.0'	28.0'-30.0'	15					30.0'
	30.0'-32.0'	16				Gray wet F/C sand and F/M gravel Tr/silt	
	32.0'-34.0'	17					
35.0'	34.0'-36.0'	18					36.0' EOB

perratt wolff inc

TEST BORING LOG

DRAFT

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. Silver Lake
LOCATION Pittsfield MA
DATE STARTED 5/29/03 DATE COMPLETED 5/29/03

HOLE NO. SLGW-6D
SURF. EL.
JOB NO. 03021A
GROUND WATER DEPTH 5.0' WHILE DRILLING
BEFORE CASING Installed REMOVED 2" PVC well
AFTER CASING " REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"/OR — % CORE RECOVERY

CASING TYPE

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						Installed 2", 10 slot PVC well 4 bags #0 sand 1 bag bentonite chips 1-2" Threaded bottom plug 1-2" J Plug 1-8" FMC 1-2537 lock 1-18" sono tube 1½ bags concrete mix 4 bags Portland cement ½ bag granular bentonite	

Appendix C

Data Validation Report

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

APPENDIX C

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SILVER LAKE PRE-DESIGN INVESTIGATION

SEDIMENT SAMPLING DATA VALIDATION REPORT

1.0 General

This appendix summarizes the Tier I and Tier II data reviews performed for sediments samples collected during pre-design investigation (PDI) activities conducted at the Silver Lake Area, located in Pittsfield, Massachusetts. These investigations included the collection of sediment, leachate and pore water samples for the analysis of polychlorinated biphenyls (PCBs), total organic compounds (TOCs) and dissolved organic compounds (DOCs). Sample analyses was performed by Northeast Analytical, Inc. (NEA) of Schenectady, New York.

2.0 Data Evaluation Procedures

This appendix outlines the applicable quality control criteria utilized during the data review process and any deviations from those criteria. The data review was conducted in accordance with the following documents:

- *Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts*, Blasland, Bouck & Lee, Inc. ([BBL]; FSP/QAPP, approved November 4, 2002 and resubmitted December 10, 2002);

- *Region I Tiered Organic and Inorganic Data Validation Guidelines*, USEPA Region I (July 1, 1993);

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (February 1, 1988) (Modified November 1, 1988); and

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (Draft, December 1996).

A tabulated summary of the Tier I and Tier II data evaluations is presented in Table C-1. Each sample that was subjected to evaluation is listed in Table C-1 to document that the data review was performed, as well as present the highest level of data validation (Tier I or Tier II) that was performed. Samples that required data qualification are listed separately for each parameter (compound or analyte) that required qualification.

The following data qualifiers have been used in this data evaluation.

J The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at an estimated concentration less than the Practical Quantitation Limit (PQL).

U The compound or analyte was analyzed for, but was not detected. The sample quantitation limit is presented and adjusted for dilution and (for solid samples only) percent moisture. Non-detected sample results are presented as ND(PQL) within this report and in Table C-1 for consistency with

previous documents prepared for this investigation.

UJ The compound or analyte was not detected above the reported sample quantitation limit. However, the reported limit is estimated and may or may not represent the actual level of quantitation. Non-detected sample results that required qualification are presented as ND(PQL) J within this report and in Table C-1 for consistency with previous documents prepared for this investigation.

R Indicates that the previously reported detection limits or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purposes.

3.0 Data Validation Procedures

The FSP/QAPP provides (in Section 7.5) that all analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (USEPA guidelines). Accordingly, 100% of the analytical data for these investigations were subjected to Tier I review. The Tier I review consisted of a completeness evidence audit, as outlined in the *USEPA Region I CSF Completeness Evidence Audit Program* (USEPA Region I, 7/31/91), to ensure that all laboratory data and documentation were present. A tabulated summary of the samples subjected to Tier I and Tier II data evaluation is presented below.

Summary of Samples Subjected to Tier I and Tier II Data Validation

Parameter	Tier I Only			Tier I &Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
PCBs	0	0	0	17	1	0	18
Congener Total PCBs	51	0	0	0	0	0	51
TOCs	29	1	0	0	0	0	30
DOCs	0	0	0	26	0	0	26
Total	**80**	**1**	**0**	**43**	**1**	**0**	**125**

In the event data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with USEPA Region I Tier I data completeness requirements.

As specified in the FSP/QAPP, approximately 25% of the laboratory sample delivery group packages were randomly chosen to be subjected to a Tier II review. A Tier II review was also performed to resolve data usability limitations that were identified from laboratory qualification of the data during the Tier I data review. The Tier II data review consisted of a review of all data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. Due to the variable sizes of the data packages and the number of data qualification issues identified during the Tier I review, approximately 37% of the data were subjected to a Tier II review. The Tier II review resulted in the qualification of data for several samples due to minor QA/QC deficiencies. Additionally, all field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

When qualification of the sample data was required, the sample results associated with a QA/QC parameter deviation were qualified in accordance with the procedures outlined in the USEPA Region I data validation guidance documents. When the data validation process identified several quality control deficiencies, the

cumulative effect of the various deficiencies was employed in assigning the final data qualifier. A summary of the QA/QC parameter deviations that resulted in data qualification is presented below for each analytical method.

4.0 Data Review

Aroclor identification criteria require that the aroclor pattern resemble that of the pattern established throughout the analysis of the standards of the target aroclors. Sample data that did not match aroclor patterns that were established through the analysis of target aroclors standards were qualified with a "U" and the Total-PCB content was adjusted to reflect the qualification of Aroclor-1221 and Aroclor-1248 as non-detected. The PCB compounds that did not meet aroclor identification criteria and the number of samples qualified due to those deviations are identified below.

Compounds Qualified Due to Identification Deviations

Analysis	Compounds	Number of Affected Samples	Qualification
PCBs	Aroclor-1221	10	U
	Aroclor-1248	17	U
	Total PCBs	17	U

Field duplicate samples were analyzed to evaluate the overall precision of laboratory and field procedures. The RPD between duplicate samples is required to be less than 50% for soil sample values greater than five times the PQL. Sample results for compounds that exceeded these limits were qualified as estimated (J). The compounds that did not meet field duplicate RPD requirements and the number of samples qualified due to those deviations are presented below.

Compounds Qualified Due to Field Duplicate Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	Aroclor-1254	2	J
	Aroclor-1260	2	J
	Total PCBs	2	J

Sample SL09-0530-L2 for DOC analysis was incorrectly reported on the laboratory data sheet by the laboratory. The corrected value is reported in Table C-1.

5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability for site characterization purposes. Data completeness is defined as the percentage of sample results determined to be usable during the data validation process. Data completeness with respect to usability was calculated separately for each of the organic analyses. The percent usability calculation included analyses evaluated under both the Tier I and Tier II data validation reviews. The percent usability calculation also includes quality control samples collected to aid in the evaluation of data usability. Therefore, field/equipment blank, trip blank, and field duplicate data determined to be unusable as a result of the validation process are represented in the percent usability value tabulated below.

Data Usability

Parameter	Percent Usability	Rejected Data
PCBs	100	None
Congener Total PCBs	100	None
TOCs	100	None
DOCs	100	None

The data package completeness as determined from the Tier I data review was used in combination with the data quality deviations identified during the Tier II data review to determine overall data quality. As specified in the FSP/QAPP, the overall precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters determined from the Tier I and Tier II data reviews were used as indicators of overall data quality. These parameters were assessed through an evaluation of the results of the field and laboratory QA/QC sample analyses to provide a measure of compliance of the analytical data with the Data Quality Objectives (DQOs) specified in the FSP/QAPP. Therefore, the following sections present summaries of the PARCC parameters assessment with regard to the DQOs specified in the FSP/QAPP.

5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included laboratory duplicates, field duplicates and MS/MSD samples. For this analytical program, 1.0% of the data was qualified due to field duplicate (RPD) deviations. None of the data required qualification for laboratory duplicates or MS/MSD sample deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, Laboratory Control Standards (LCSs), MS/MSD samples, internal standards and surrogate compound recoveries. For this analytical program, none of the data required qualification for instrument calibration, Laboratory Control Standards (LCSs), MS/MSD samples, internal standards or surrogate compound recoveries deviations.

5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in Agency-approved work plans and by following the procedures for sample collection/analyses described in the FSP/QAPP. Additionally, the analytical program used procedures that were consistent with USEPA-approved analytical methodology. A QA/QC parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical program, none of the data required qualification for exceeding holding time requirements.

5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. The USEPA SW-846[1] analytical methods presented in the FSP/QAPP are updated on occasion by the USEPA to benefit from recent technological advancements in analytical chemistry and instrumentation. In most cases, the method upgrades include the incorporation of new technology that improves the sensitivity and stability of the instrumentation or allows the laboratory to increase throughput without hindering accuracy and precision. Overall, the analytical methods for this investigation have remained consistent in their general approach through continued use of the basic analytical techniques (i.e., sample extraction/preparation, instrument calibration, QA/QC procedures, etc.). Through this use of consistent base analytical procedures and by requiring that updated procedures meet the QA/QC criteria specified in the FSP/QAPP, the analytical data from past, present, and future sampling events will be comparable to allow for qualitative and quantitative assessment of site conditions.

5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. The actual completeness of this analytical data for individual analytical parameters and overall usability of this data set is 100.0%.

TAC/tac

[1] Test Methods for evaluating Solid Waste, SW-846, USEPA, Final Update III, December 1996.

APPENDIX C-1
ANALYTICAL DATA VALIDATION SUMMARY

PRE-DESIGN INVESTIGATION FOR THE SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Field Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
03050007_revised	N02(03)-01 (0 - 1)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification	180	-	ND(18)	
						Aroclor-1248	Incorrect Identification	340	-	ND(18)	
						Aroclor-1254	Field Duplicate RPD (Soil)	76.5%	<50%	470 J	
						Aroclor-1260	Field Duplicate RPD (Soil)	56.9%	<50%	79 J	
						Total PCBs	Incorrect Identification	-	-	549	
						Total PCBs	Field Duplicate RPD (Soil)	73.5%	<50%	549 J	
03050007_revised	N02(03)-01 (1 - 3)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification	200	-	ND(6.0)	
						Aroclor-1248	Incorrect Identification	66	-	ND(6.0)	
						Total PCBs	Incorrect Identification	-	-	103	
03050007_revised	N02(03)-02 (0 - 1)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification	140	-	ND(20)	
						Aroclor-1248	Incorrect Identification	450	-	ND(20)	
						Total PCBs	Incorrect Identification	-	-	625	
03050007_revised	N02(03)-02 (1 - 3)	4/29/03	Sediment	Tier II	No	Aroclor-1248	Incorrect Identification	13000	-	ND(720)	
						Total PCBs	Incorrect Identification	-	-	17000	
03050007_revised	N02(03)-03 (0 - 1)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification	82	-	ND(7.5)	
						Aroclor-1248	Incorrect Identification	110	-	ND(7.5)	
						Total PCBs	Incorrect Identification	-	-	51	
03050007_revised	N02(03)-03 (1 - 3)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification		-	ND(13)	
						Aroclor-1248	Incorrect Identification		-	ND(13)	
						Total PCBs	Incorrect Identification	-	-	150	
03050007_revised	N02(03)-04 (0 - 1)	4/29/03	Sediment	Tier II	Yes	Aroclor-1248	Incorrect Identification	670	-	ND(16)	
						Total PCBs	Incorrect Identification	-	-	520	
03050007_revised	N02(03)-04 (1 - 3)	4/29/03	Sediment	Tier II	Yes	Aroclor-1248	Incorrect Identification	30000	-	ND(860)	
						Total PCBs	Incorrect Identification	-	-	36000	
03050007_revised	N02(03)-05 (0 - 1)	4/29/03	Sediment	Tier II	Yes	Aroclor-1248	Incorrect Identification		-	ND(21)	
						Total PCBs	Incorrect Identification	-	-	500	
03050007_revised	N02(03)-05 (1 - 3)	4/29/03	Sediment	Tier II	Yes	Aroclor-1248	Incorrect Identification	24000	-	ND(960)	
						Total PCBs	Incorrect Identification	-	-	21000	
03050007_revised	N02(03)-06 (0 - 1)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification	180	-	ND(6.3)	
						Aroclor-1248	Incorrect Identification	140	-	ND(6.3)	
						Total PCBs	Incorrect Identification	-	-	197	
03050007_revised	N02(03)-06 (1 - 3)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification	240	-	ND(11)	
						Aroclor-1248	Incorrect Identification	260	-	ND(11)	
						Total PCBs	Incorrect Identification	-	-	360	
03050007_revised	N02(03)-07 (0 - 1)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification	110	-	ND(16)	
						Aroclor-1248	Incorrect Identification	420	-	ND(16)	
						Total PCBs	Incorrect Identification	-	-	210	
03050007_revised	N02(03)-07 (1 - 3)	4/29/03	Sediment	Tier II	Yes	Aroclor-1248	Incorrect Identification	18000	-	ND(870)	
						Total PCBs	Incorrect Identification	-	-	22000	
03050007_revised	N02(03)-08 (0 - 1)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification	44	-	ND(6.5)	
						Aroclor-1248	Incorrect Identification	63	-	ND(6.5)	
						Total PCBs	Incorrect Identification	-	-	72	
03050007_revised	N02(03)-08 (1 - 3)	4/29/03	Sediment	Tier II	Yes	Aroclor-1248	Incorrect Identification	2600	-	ND(200)	
						Total PCBs	Incorrect Identification	-	-	6300	
03050007_revised	N02(03)-DUP-1 (0 - 1)	4/29/03	Sediment	Tier II	Yes	Aroclor-1221	Incorrect Identification	120	-	ND(5.8)	N02(03)-01
						Aroclor-1248	Incorrect Identification	160	-	ND(5.8)	
						Aroclor-1254	Field Duplicate RPD (Soil)	76.5%	<50%	210 J	
						Aroclor-1260	Field Duplicate RPD (Soil)	56.9%	<50%	44 J	
						Total PCBs	Incorrect Identification	-	-	254	
						Total PCBs	Field Duplicate RPD (Soil)	73.5%	<50%	254 J	

APPENDIX C-1
ANALYTICAL DATA VALIDATION SUMMARY

PRE-DESIGN INVESTIGATION FOR THE SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Field Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
CONGENER TOTAL PCBs											
03080067	SL01-0530-PW	8/5/03	Water	Tier I	No						ICAL performed 8/16/02
03080067	SL02-0530-PW	8/5/03	Water	Tier I	No						
03080067	SL04-0530-PW	8/5/03	Water	Tier I	No						
03080067	SL05-0530-PW	8/5/03	Water	Tier I	No						
03080067	SL06-0530-PW	8/5/03	Water	Tier I	No						
03080067	SL07-0530-PW	8/5/03	Water	Tier I	No						
03080067	SL09-0530-PW	8/5/03	Water	Tier I	No						
03080067	FB00-0000-PW	8/5/03	Water	Tier I	No						
03080067	BD00-0000-PW	8/5/03	Water	Tier I	No						
03080077	BD01-0000-PW	8/5/03	Water	Tier I	No						ICAL performed 8/16/02
03080077	SL03-0530-PW	8/5/03	Water	Tier I	No						
03080077	SL08-0530-PW	8/5/03	Water	Tier I	No						
CONGENER TOTAL PCBs (continued)											
03080077	SL10-0530-PW	8/5/03	Water	Tier I	No						
03080078	SL02-0530-L1	8/8/03	Water	Tier I	No						ICAL performed 8/16/02
03080078	SL06-0530-L1	8/8/03	Water	Tier I	No						
03080078	SL09-0530-L1	8/8/03	Water	Tier I	No						
03080078	FB00-0000-L1	8/8/03	Water	Tier I	No						
03080078	BD01-0000-L1	8/8/03	Water	Tier I	No						
03080123	SL02-0530-L2	8/11/03	Water	Tier I	No						ICAL performed 8/16/02
03080123	SL02-0530-L3	8/12/03	Water	Tier I	No						
03080123	SL02-0530-L4	8/13/03	Water	Tier I	No						
03080123	SL06-0530-L2	8/11/03	Water	Tier I	No						
03080123	SL06-0530-L3	8/12/03	Water	Tier I	No						
03080123	SL06-0530-L4	8/13/03	Water	Tier I	No						
03080123	SL09-0530-L2	8/11/03	Water	Tier I	No						
03080123	SL09-0530-L3	8/12/03	Water	Tier I	No						
03080123	SL09-0530-L4	8/13/03	Water	Tier I	No						
03080232	SL06-0005-SD	8/5/03	Sediment	Tier I	No						ICAL performed 8/16/02
03080232	SL07-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL08-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL09-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL10-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL10-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL01-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL02-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL03-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL04-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL04-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL05-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL05-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL06-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL07-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL08-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL09-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	BD00-0000-SD	8/5/03	Sediment	Tier I	No						
03080232	SL01-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL01-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL02-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL03-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	FB00-0000-SD	8/5/03	Sediment	Tier I	No						
03080232	BD00-0000-SD	8/5/03	Sediment	Tier I	No						

APPENDIX C-1
ANALYTICAL DATA VALIDATION SUMMARY

PRE-DESIGN INVESTIGATION FOR THE SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Field Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
TOCs											
03080232	SL06-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL07-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL08-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL09-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL10-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL10-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL01-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL02-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL03-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL04-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL04-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL05-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL05-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL06-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL07-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL08-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL09-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	BD00-0000-SD	8/5/03	Sediment	Tier I	No						SL01-0530-SD
03080232	SL01-0005-SD	8/5/03	Sediment	Tier I	No						
03080232	SL01-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL02-0530-SD	8/5/03	Sediment	Tier I	No						
03080232	SL03-0530-SD	8/5/03	Sediment	Tier I	No						
03080231	SL-SE001533-0-3G07	8/7/03	Sediment	Tier I	No						
03080231	SL-SE001534-0-3G07	8/7/03	Sediment	Tier I	No						
03080231	SL-SE001535-0-3G07	8/7/03	Sediment	Tier I	No						
03080231	SL-SE001536-0-3G07	8/7/03	Sediment	Tier I	No						
03080231	SL-SE001537-0-3G07	8/7/03	Sediment	Tier I	No						
03080231	SL-SE001538-0-3G07	8/7/03	Sediment	Tier I	No						
03080231	SL-SE001539-0-3G07	8/7/03	Sediment	Tier I	No						
DOCs											
03080067	SL01-0530-PW	8/5/03	Water	Tier II	No						
03080067	SL02-0530-PW	8/5/03	Water	Tier II	No						
03080067	SL04-0530-PW	8/5/03	Water	Tier II	No						
03080067	SL05-0530-PW	8/5/03	Water	Tier II	No						
03080067	SL06-0530-PW	8/5/03	Water	Tier II	No						
03080067	SL07-0530-PW	8/5/03	Water	Tier II	No						
03080067	SL09-0530-PW	8/5/03	Water	Tier II	No						
03080067	FB00-0000-PW	8/5/03	Water	Tier II	No						
03080077	BD01-0000-PW	8/5/03	Water	Tier II	No						
03080077	SL03-0530-PW	8/5/03	Water	Tier II	No						
03080077	SL08-0530-PW	8/5/03	Water	Tier II	No						
03080077	SL10-0530-PW	8/5/03	Water	Tier II	No						
03080078	SL02-0530-L1	8/8/03	Water	Tier II	No						
03080078	SL06-0530-L1	8/8/03	Water	Tier II	No						
03080078	SL09-0530-L1	8/8/03	Water	Tier II	No						
03080078	FB00-0000-L1	8/8/03	Water	Tier II	No						
03080123	BD01-0000-L2	8/11/03	Water	Tier II	No						
03080123	SL02-0530-L2	8/11/03	Water	Tier II	No						
03080123	SL02-0530-L3	8/12/03	Water	Tier II	No						
03080123	SL02-0530-L4	8/13/03	Water	Tier II	No						
03080123	SL06-0530-L2	8/11/03	Water	Tier II	No						
03080123	SL06-0530-L3	8/12/03	Water	Tier II	No						
03080123	SL06-0530-L4	8/13/03	Water	Tier II	No						
03080123	SL09-0530-L2	8/11/03	Water	Tier II	Yes	DOC	Incorrect result	186	-	32.6	Incorrect lab report.
03080123	SL09-0530-L3	8/12/03	Water	Tier II	No						
03080123	SL09-0530-L4	8/13/03	Water	Tier II	No						

Appendix D

Grain Size Analysis

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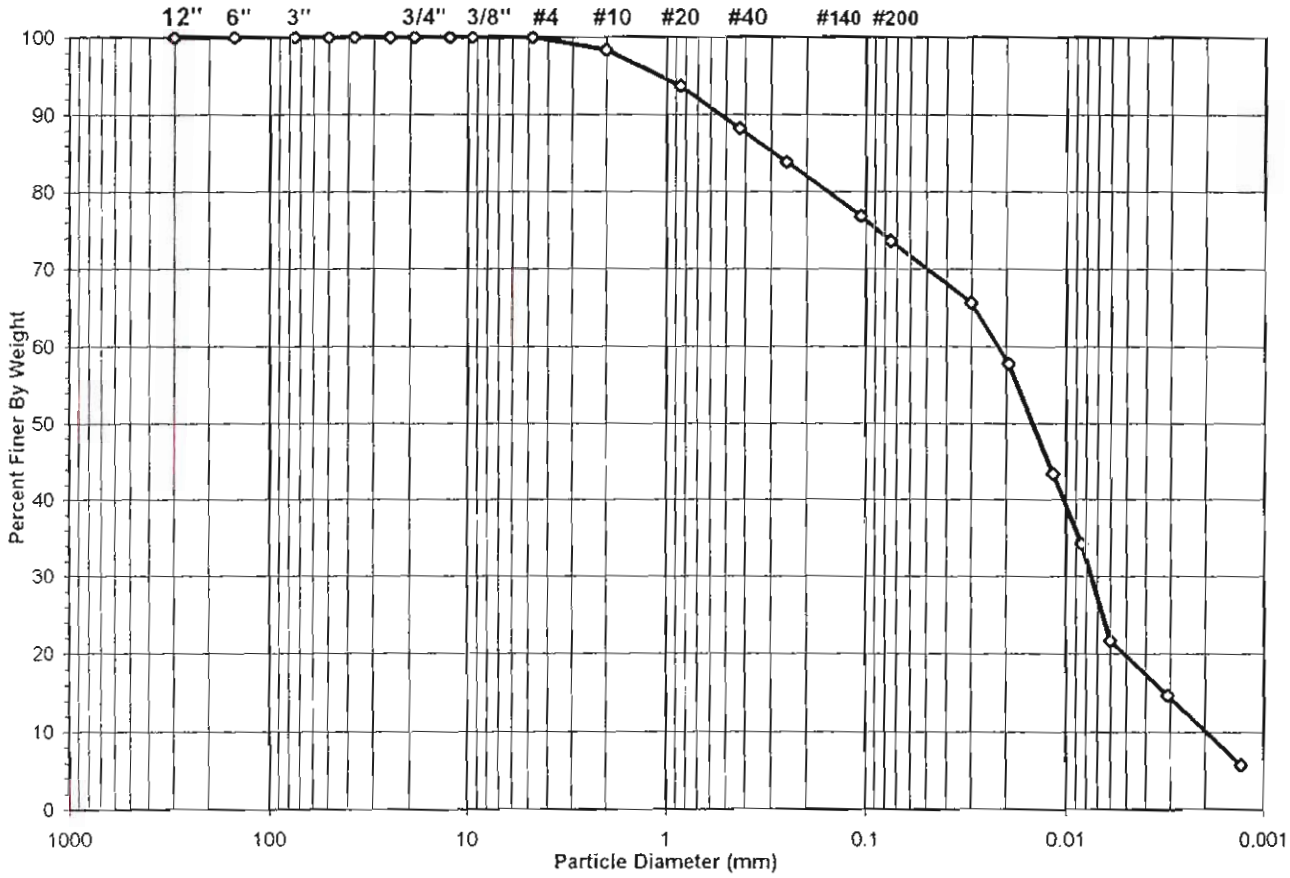
Geotechnics
INTEGRITY IN TESTING

SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVERLAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-01
Lab ID	2003-236-02-01	Soil Color	**BLACK**

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		**Percentage**
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	26.42
Finer Than #200	*Silt & Clay*	73.58

USCS Symbol	*MH, TESTED*
USCS Classification	*ELASTIC SILT WITH SAND*

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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Geotechnics
INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVERLAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-01
Lab ID	2003-236-02-01	Soil Color	**BLACK**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	581	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	401.55	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	212.84	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	83.78	Weight of Tare (gm)	NA
Weight of Water (gm)	188.71	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	129.06	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**146.2**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	129.06
Dry Weight - 3/4" Sample (gm)	34.10	Weight of minus #200 material (gm)	94.96
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	34.10
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	**Accumulated Percent Finer (%)**
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.5	0.00	0.00	0.00	100.00	**100.00**
3/8"	9.50	0.00	0.00	0.00	100.00	**100.00**
#4	4.75	0.00	0.00	0.00	100.00	**100.00**
#10	2.00	2.06	1.60	1.60	98.40	**98.40**
#20	0.85	6.09	4.72	6.31	93.69	**93.69**
#40	0.425	7.03	5.45	11.76	88.24	**88.24**
#60	0.250	5.61	4.35	16.11	83.89	**83.89**
#140	0.106	9.08	7.04	23.14	76.86	**76.86**
#200	0.075	4.23	3.28	26.42	73.58	**73.58**
Pan	-	94.96	73.58	100.00	-	-

Tested By JP Date 9/3/03 Checked By Jcm Date 10-9-03

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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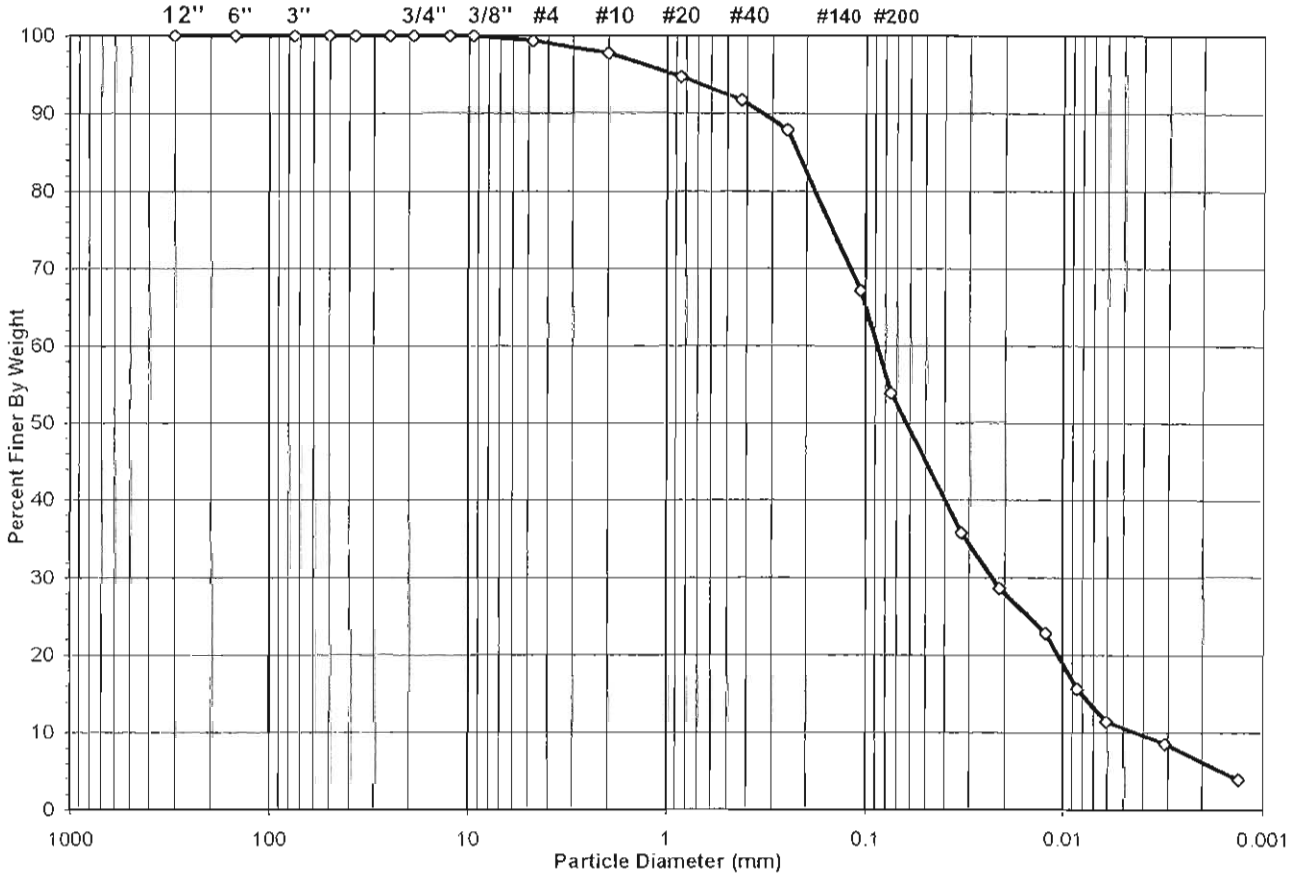
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.3-1.8
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-01	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.62
#4 To #200	*Sand*	45.55
Finer Than #200	*Silt & Clay*	53.84

USCS Symbol *ML, TESTED*

USCS Classification *SANDY SILT (NON-PLASTIC FINES) (SLUDGE)*

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.3-1.8
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-01	Soil Color	**BLACK**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	622	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	289.15	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	198.87	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	87.07	Weight of Tare (gm)	NA
Weight of Water (gm)	90.28	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	111.80	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**80.8**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	111.80
Dry Weight - 3/4" Sample (gm)	51.61	Weight of minus #200 material (gm)	60.19
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	51.61
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.5	0.00	0.00	0.00	100.00	**100.00**
3/8"	9.50	0.00	0.00	0.00	100.00	**100.00**
#4	4.75	0.69	0.62	0.62	99.38	**99.38**
#10	2.00	1.82	1.63	2.25	97.75	**97.75**
#20	0.85	3.39	3.03	5.28	94.72	**94.72**
#40	0.425	3.33	2.98	8.26	91.74	**91.74**
#60	0.250	4.31	3.86	12.11	87.89	**87.89**
#140	0.106	23.17	20.72	32.84	67.16	**67.16**
#200	0.075	14.90	13.33	46.16	53.84	**53.84**
Pan	-	60.19	53.84	100.00	-	-

Tested By JP Date 09/03/03 Checked By MR Date 10/3/03

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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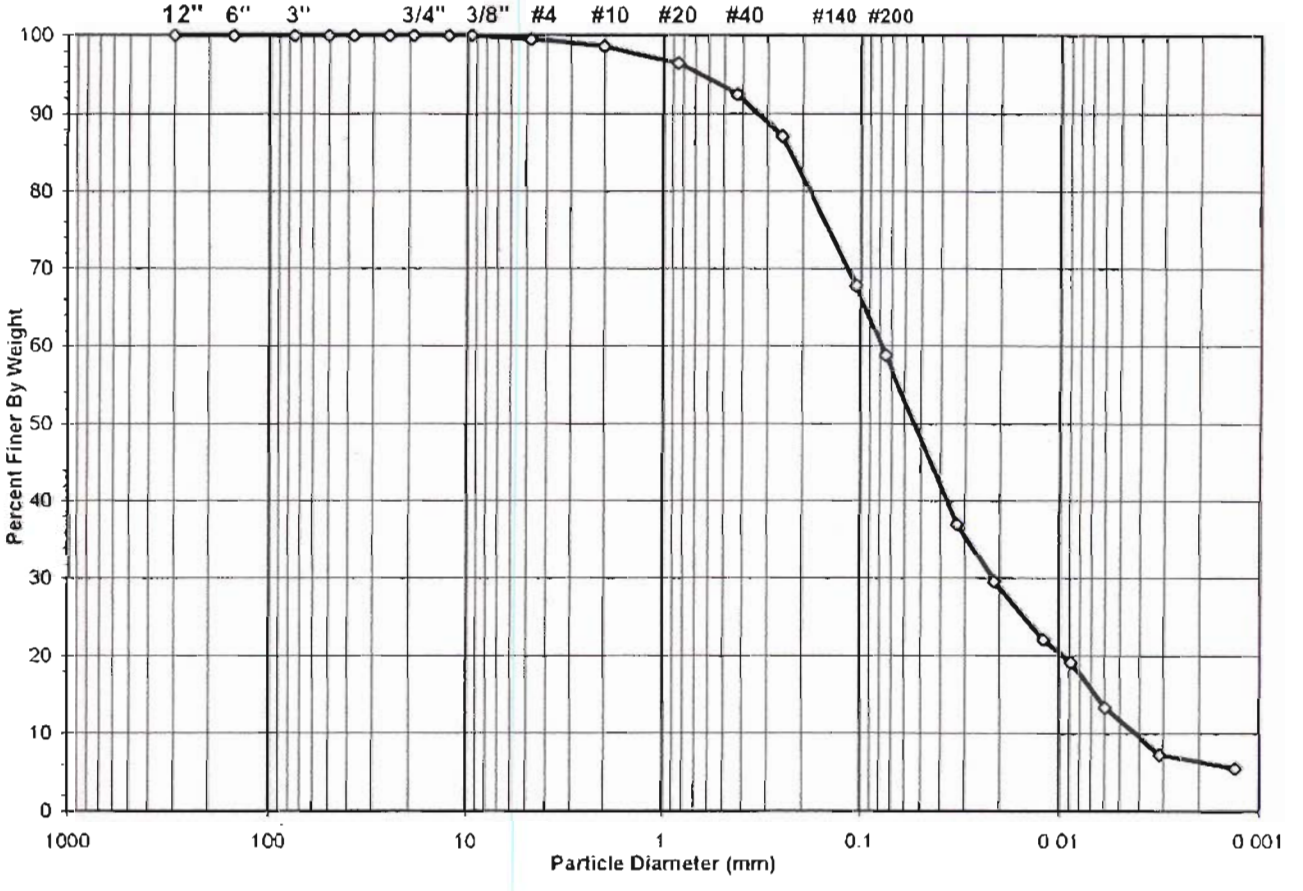
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.3-5.8
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-03	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.50
#4 To #200	*Sand*	40.73
Finer Than #200	*Silt & Clay*	58.78

USCS Symbol	*ML, TESTED*
USCS Classification	*SANDY SILT (NON-PLASTIC FINES) (SLUDGE)*

DCN: CT-S3A DATE: 1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.3-5.8
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-03	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	569	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	314.94	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	218.43	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	83.28	Weight of Tare (gm)	NA
Weight of Water (gm)	96.51	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	135.15	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**71.4**	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	135.15
Dry Weight - 3/4" Sample (gm)	55.71	Weight of minus #200 material (gm)	79.44
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	55.71
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.5	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.67	0.50	0.50	99.50	99.50
#10	2.00	1.22	0.90	1.40	98.60	98.60
#20	0.85	2.86	2.12	3.51	96.49	96.49
#40	0.425	5.43	4.02	7.53	92.47	92.47
#60	0.250	7.11	5.26	12.79	87.21	87.21
#140	0.106	26.26	19.43	32.22	67.78	67.78
#200	0.075	12.16	9.00	41.22	58.78	58.78
Pan	-	79.44	58.78	100.00	-	-

Tested By JP Date 09/03/03 Checked By RJO Date 10-3-03

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SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

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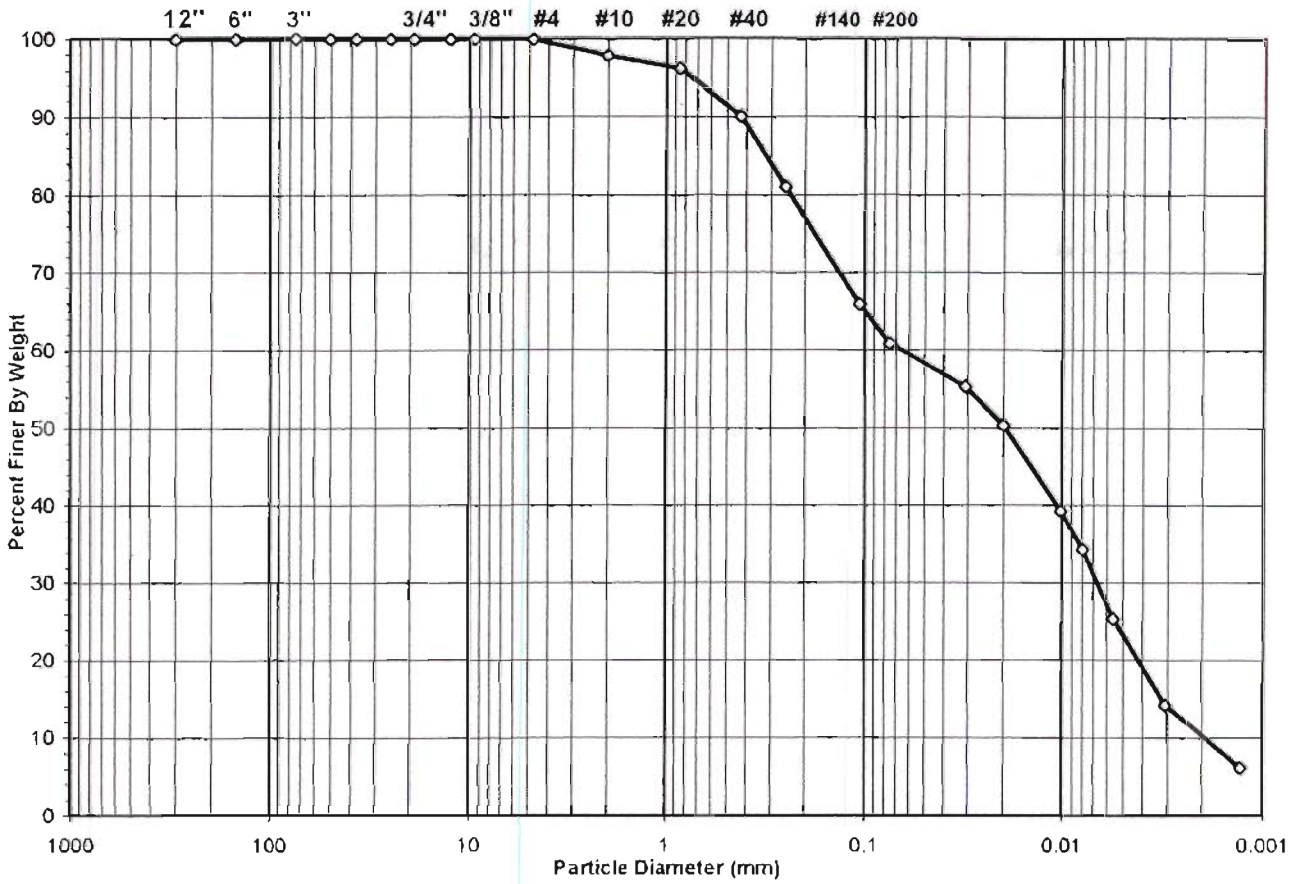
Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	10-12
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-06	Soil Color	BROWN

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	39.14
Finer Than #200	*Silt & Clay*	60.86

USCS Symbol	*ML, TESTED (NON-PLASTIC FINES)(MATERIAL CEMENTED AFTER DRYING)*
USCS Classification	*SANDY SILT (SLUDGE)*

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	10-12
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-06	Soil Color	BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	1698	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	187.99	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	175.51	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	81.32	Weight of Tare (gm)	NA
Weight of Water (gm)	12.48	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	94.19	Weight of Dry Soil (gm)	NA
Moisture Content (%)	13.2	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	94.19
Dry Weight - 3/4" Sample (gm)	36.87	Weight of minus #200 material (gm)	57.32
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	36.87
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.5	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.00	0.00	0.00	100.00	100.00
#10	2.00	1.96	2.08	2.08	97.92	97.92
#20	0.85	1.57	1.67	3.75	96.25	96.25
#40	0.425	5.75	6.10	9.85	90.15	90.15
#60	0.250	8.52	9.05	18.90	81.10	81.10
#140	0.106	14.27	15.15	34.05	65.95	65.95
#200	0.075	4.80	5.10	39.14	60.86	60.86
Pan	-	57.32	60.86	100.00	-	-

Tested By JP Date 08/28/03 Checked By RJO Date 9-19-03

DCN: GT-S3A DATE:1/20/03 REVISION: 5

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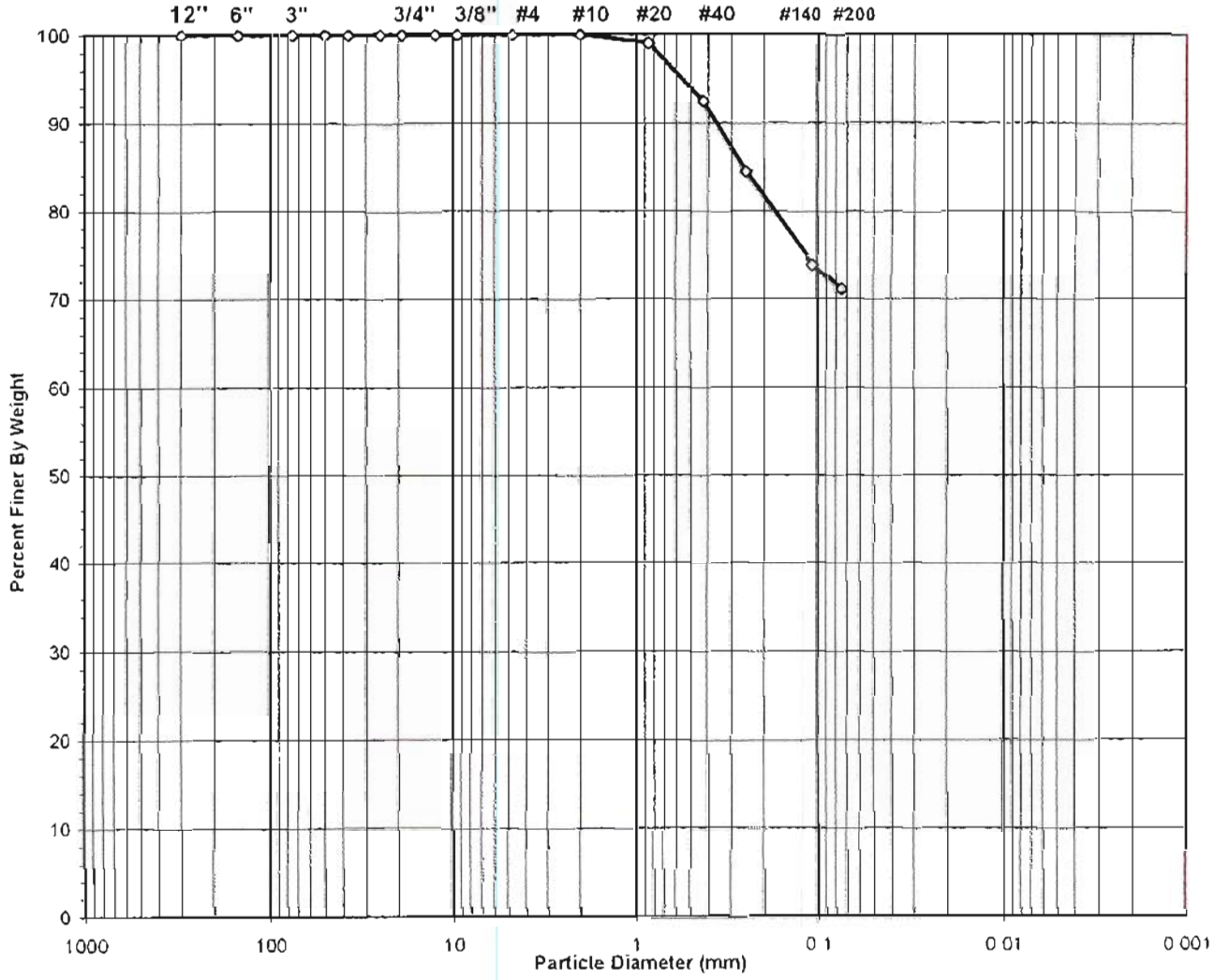
SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	17-19
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-08	Soil Color	BROWN

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay



USCS Symbol *ML, TESTED*

USCS Classification *SILT WITH SAND (NON-PLASTIC FINES) (UNABLE TO RUN HYDROMETER)*

Tested By JP Date 08/28/03 Checked By RJO Date 9-19-03

DCN CT-S3C DATE 6-25-98 REVISION: 2

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	17-19
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-08	Soil Color	BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	607	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	285.62	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	148.32	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	83.41	Weight of Tare (gm)	NA
Weight of Water (gm)	137.30	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	64.91	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**211.5**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	64.91
Dry Weight - 3/4" Sample (gm)	18.7	Weight of minus #200 material (gm)	46.20
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	18.71
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.50	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.00	0.00	0.00	100.00	100.00
#10	2.00	0.00	0.00	0.00	100.00	100.00
#20	0.850	0.60	0.92	0.92	99.08	99.08
#40	0.425	4.29	6.61	7.53	92.47	92.47
#60	0.250	5.23	8.06	15.59	84.41	84.41
#140	0.106	6.76	10.41	26.01	73.99	73.99
#200	0.075	1.83	2.82	28.82	71.18	71.18
Pan	-	46.20	71.18	100.00	-	-

Tested By JP Date 08/28/03 Checked By DJO Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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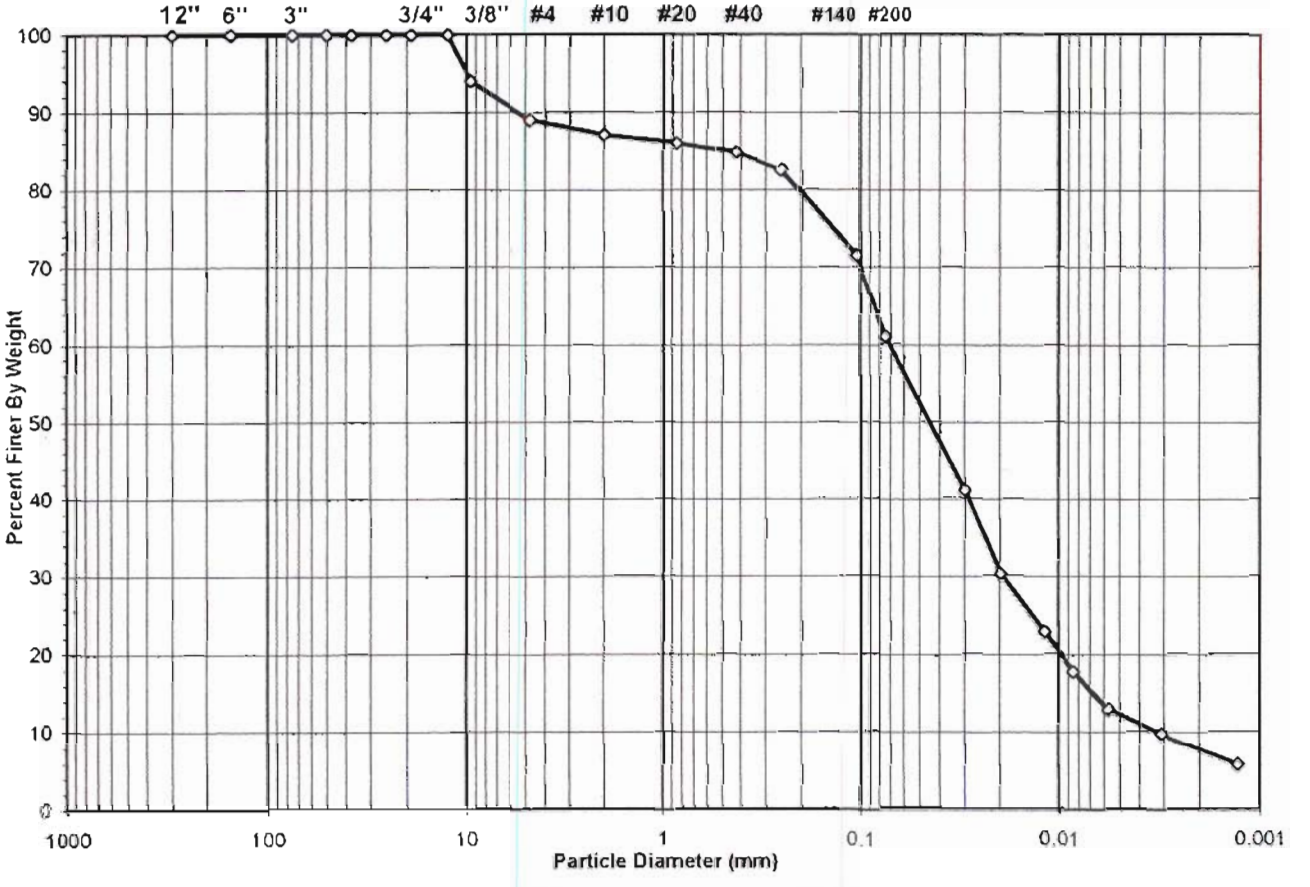
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	26-28
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-10	Soil Color	BROWNISH GRAY

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



Sieve Sizes (mm)	USCS Summary	Percentage
Greater Than #4	*Gravel*	11.00
#4 To #200	*Sand*	28.00
Finer Than #200	*Silt & Clay*	61.01

USCS Symbol	*ML, TESTED (NON-PLASTIC FINES)*
USCS Classification	*SANDY SILT*

DCN: GT-S3A DATE:1/20/03 REVISION: 3

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	26-28
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-10	Soil Color	**BROWNISH GRAY**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	554	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	311.12	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	262.91	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	81.42	Weight of Tare (gm)	NA
Weight of Water (gm)	48.21	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	181.49	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**26.6**	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	181.49
Dry Weight - 3/4" Sample (gm)	70.77	Weight of minus #200 material (gm)	110.72
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	70.77
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.5	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	10.80	5.95	5.95	94.05	94.05
#4	4.75	9.16	5.05	11.00	89.00	89.00
#10	2.00	3.47	1.91	12.91	87.09	87.09
#20	0.85	1.97	1.09	14.00	86.00	86.00
#40	0.425	2.18	1.20	15.20	84.80	84.80
#60	0.250	4.01	2.21	17.41	82.59	82.59
#140	0.106	20.25	11.16	28.56	71.44	71.44
#200	0.075	18.93	10.43	38.99	61.01	61.01
Pan	-	110.72	61.01	100.00	-	-

Tested By JP Date 08/28/03 Checked By RJO Date 9-19-03

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INTEGRITY IN TESTING

SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-01	Sample No.	SLGT03-03
Lab ID	2003-236-01-11	Soil Color	BLACK

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay

USCS Symbol *SM, TESTED*

USCS Classification *SILTY SAND (SLUDGE)*
(NON-PLASTIC FINES) (UNABLE TO RUN HYDROMETER)

Tested By TO Date 08/19/03 Checked By DJO Date 9-19-03

DCN CT-S3C DATE 6-25-98 REVISION: 2

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-01	Sample No.	SLGT03-03
Lab ID	2003-236-01-11	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	1123	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	217.73	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	162.81	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	85.39	Weight of Tare (gm)	NA
Weight of Water (gm)	54.92	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	77.42	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**70.9**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	77.42
Dry Weight - 3/4" Sample (gm)	51.4	Weight of minus #200 material (gm)	25.98
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	51.44
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.50	1.37	1.77	1.77	98.23	98.23
3/8"	9.50	0.00	0.00	1.77	98.23	98.23
#4	4.75	0.13	0.17	1.94	98.06	98.06
#10	2.00	1.36	1.76	3.69	96.31	96.31
#20	0.850	3.32	4.29	7.98	92.02	92.02
#40	0.425	8.84	11.42	19.40	80.60	80.60
#60	0.250	10.46	13.51	32.91	67.09	67.09
#140	0.106	19.51	25.20	58.11	41.89	41.89
#200	0.075	6.45	8.33	66.44	33.56	33.56
Pan	-	25.98	33.56	100.00	-	-

Tested By TO Date 08/19/03 Checked By RJO Date 9-19-03

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SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2-4
Project No.	2003-236-01	Sample No.	SLGT03-03
Lab ID	2003-236-01-12	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay

USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	1.11
#4 To #200	*Sand*	40.81
Finer Than #200	*Silt & Clay*	58.08

USCS Symbol	*ML, TESTED*
USCS Classification	*SANDY SILT (SLUDGE*

DCN: GT-S3A DATE: 1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2-4
Project No.	2003-236-01	Sample No.	SLGT03-03
Lab ID	2003-236-01-12	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	2487	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	376.85	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	229.62	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	95.30	Weight of Tare (gm)	NA
Weight of Water (gm)	147.23	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	134.32	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**109.6**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	134.32
Dry Weight - 3/4" Sample (gm)	56.31	Weight of minus #200 material (gm)	78.01
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	56.31
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.5	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	1.49	1.11	1.11	98.89	98.89
#10	2.00	5.39	4.01	5.12	94.88	94.88
#20	0.85	7.75	5.77	10.89	89.11	89.11
#40	0.425	8.65	6.44	17.33	82.67	82.67
#60	0.250	7.02	5.23	22.56	77.44	77.44
#140	0.106	16.48	12.27	34.83	65.17	65.17
#200	0.075	9.53	7.09	41.92	58.08	58.08
Pan	-	78.01	58.08	100.00	-	-

Tested By JP Date 09/03/03 Checked By RJO Date 10-3-03

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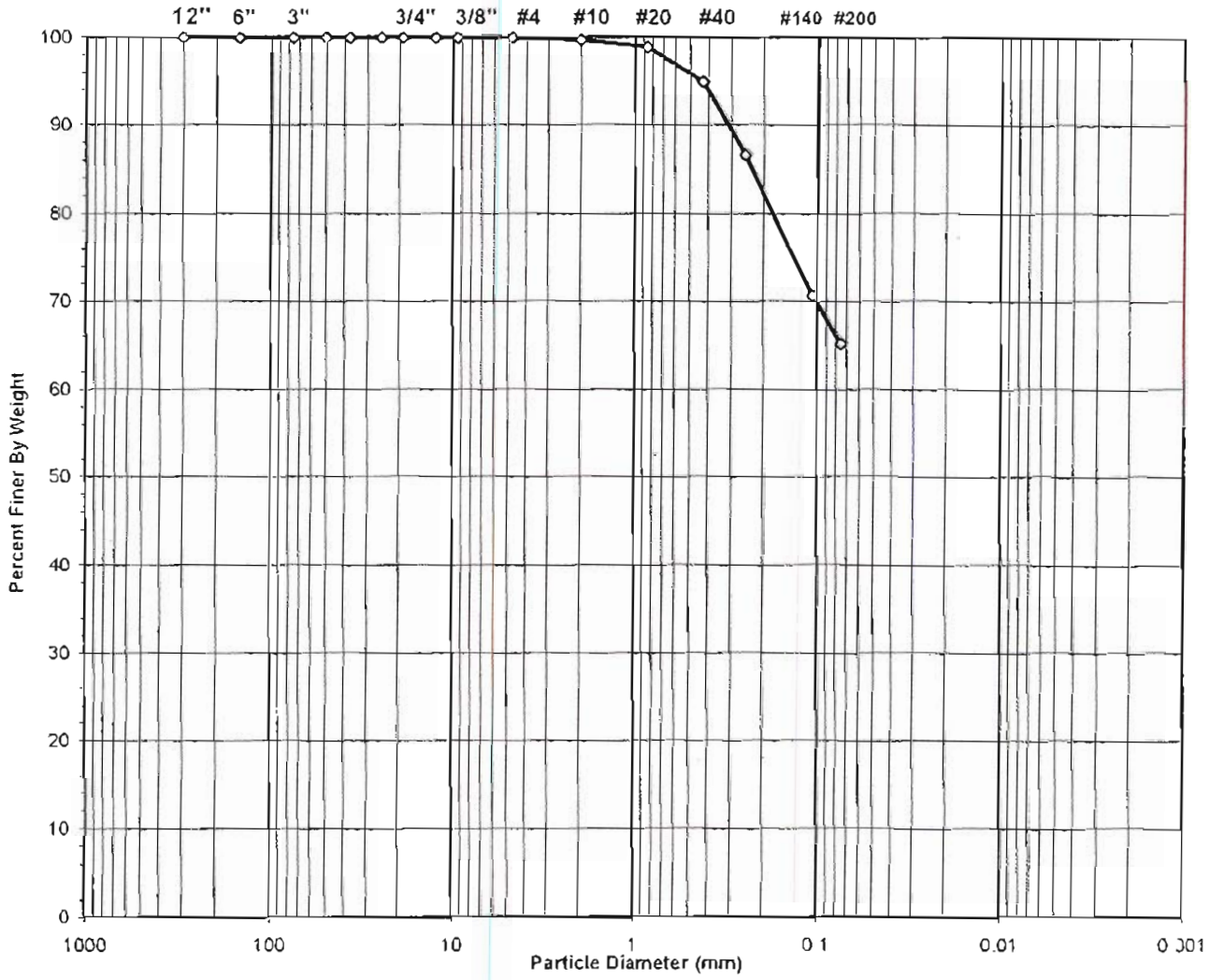
SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.4-5.8
Project No.	2003-236-01	Sample No.	SLGT03-03
Lab ID	2003-236-01-13	Soil Color	BROWN

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol *ML, TESTED*

USCS Classification *SANDY SILT (MARL)*
(NON-PLASTIC FINES) (UNABLE TO RUN HYDROMETER)

Tested By JP Date 08/29/03 Checked By RJS Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.4-5.8
Project No.	2003-236-01	Sample No.	SLGT03-03
Lab ID	2003-236-01-13	Soil Color	BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	503	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	403.60	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	197.86	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	96.79	Weight of Tare (gm)	NA
Weight of Water (gm)	205.74	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	101.07	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**203.6**	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	101.07
Dry Weight - 3/4" Sample (gm)	35.1	Weight of minus #200 material (gm)	65.93
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	35.14
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.50	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.00	0.00	0.00	100.00	100.00
#10	2.00	0.29	0.29	0.29	99.71	99.71
#20	0.850	0.79	0.78	1.07	98.93	98.93
#40	0.425	3.99	3.95	5.02	94.98	94.98
#60	0.250	8.41	8.32	13.34	86.66	86.66
#140	0.106	16.15	15.98	29.32	70.68	70.68
#200	0.075	5.51	5.45	34.77	65.23	65.23
Pan	-	65.93	65.23	100.00	-	-

Tested By JP Date 08/29/03 Checked By RJS Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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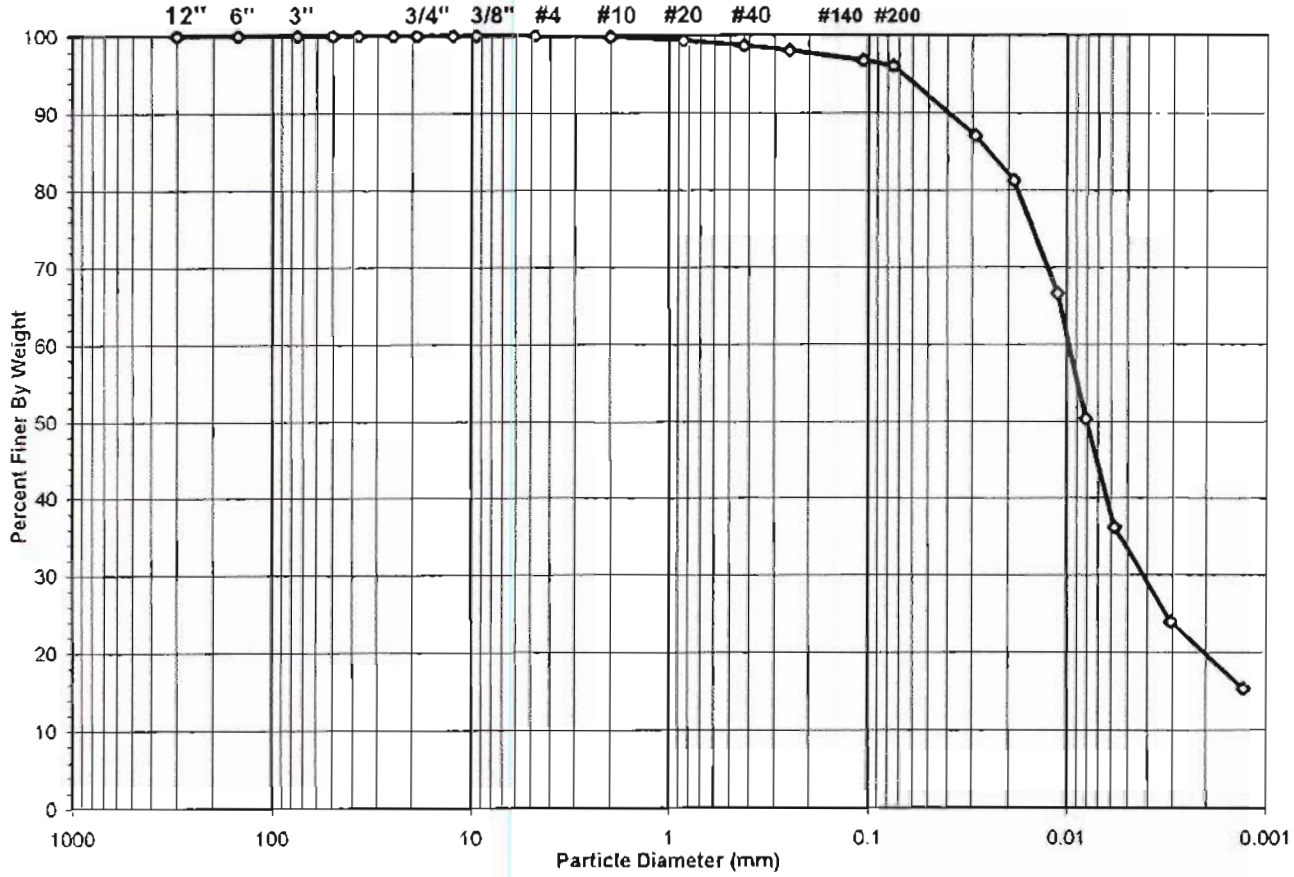
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-06
Lab ID	2003-236-02-07	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	3.97
Finer Than #200	*Silt & Clay*	96.03

USCS Symbol	*MH, TESTED*
USCS Classification	*ELASTIC SILT*

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-06
Lab ID	2003-236-02-07	Soil Color	**BLACK**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	731	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	350.83	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	199.43	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	84.81	Weight of Tare (gm)	NA
Weight of Water (gm)	151.40	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	114.62	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**132.1**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	114.62
Dry Weight - 3/4" Sample (gm)	4.55	Weight of minus #200 material (gm)	110.07
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	4.55
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated **Percent Finer (%)**
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.5	0.00	0.00	0.00	100.00	**100.00**
3/8"	9.50	0.00	0.00	0.00	100.00	**100.00**
#4	4.75	0.00	0.00	0.00	100.00	**100.00**
#10	2.00	0.22	0.19	0.19	99.81	**99.81**
#20	0.85	0.48	0.42	0.61	99.39	**99.39**
#40	0.425	0.79	0.69	1.30	98.70	**98.70**
#60	0.250	0.75	0.65	1.95	98.05	**98.05**
#140	0.106	1.43	1.25	3.20	96.80	**96.80**
#200	0.075	0.88	0.77	3.97	96.03	**96.03**
Pan	-	110.07	96.03	100.00	-	-

Tested By JP Date 9/15/03 Checked By FAC Date 10.6.03

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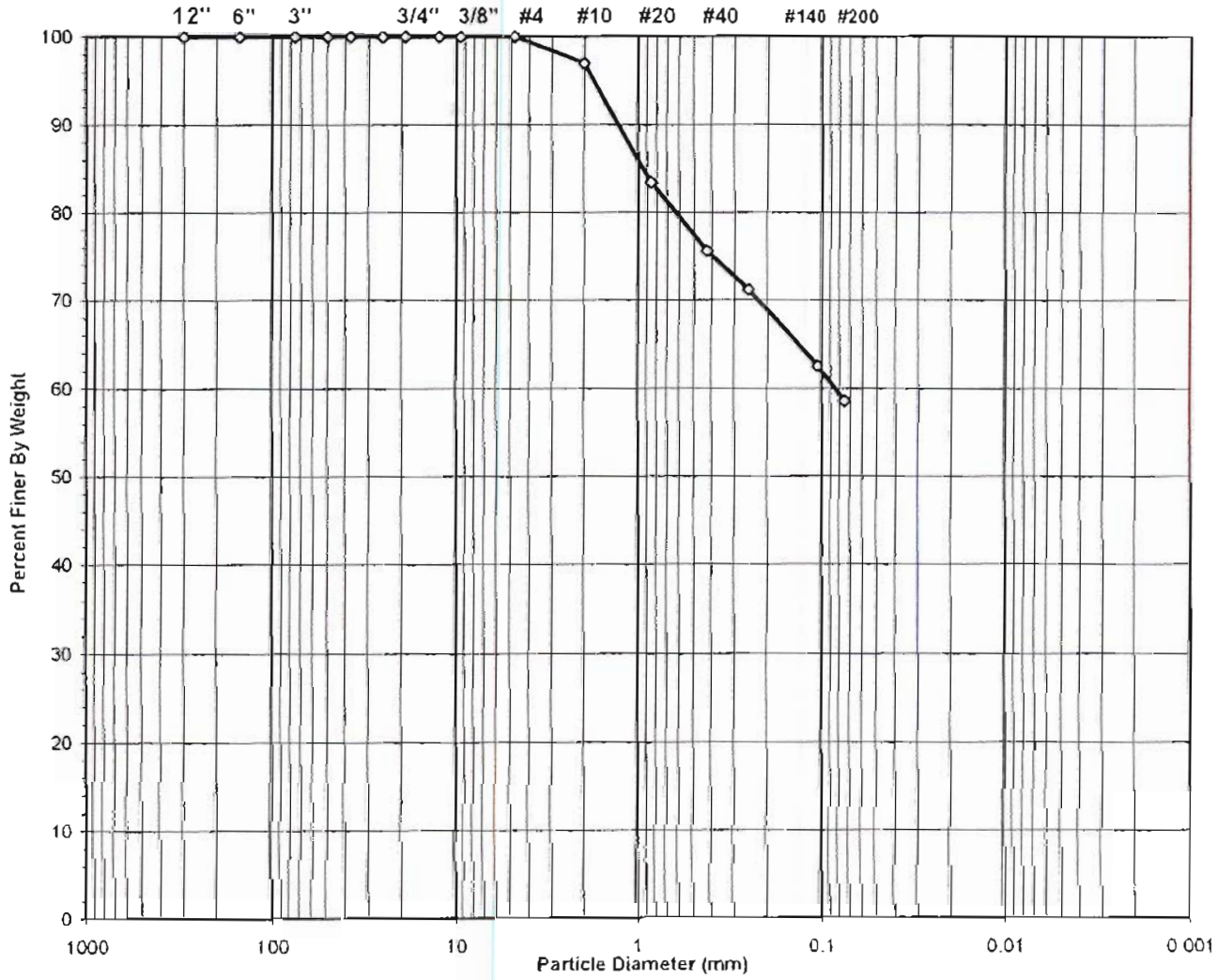
SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	12-14
Project No.	2003-236-02	Sample No.	SLGT03-06
Lab ID	2003-236-02-10	Soil Color	BLACK

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay



USCS Symbol *ml, ASSUMED*

USCS Classification *SANDY SILT (CEMENTED AFTER DRYING)*
(NOT ENOUGH MATERIAL ASSUME ml) (UNABLE TO RUN HYDROMETER)

Tested By JP Date 08/28/03 Checked By RSO Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	12-14
Project No.	2003-236-02	Sample No.	SLGT03-06
Lab ID	2003-236-02-10	Soil Color	**BLACK**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	615	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	105.00	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	105.00	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	84.45	Weight of Tare (gm)	NA
Weight of Water (gm)	0.00	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	20.55	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**0.0**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	20.55
Dry Weight - 3/4" Sample (gm)	8.5	Weight of minus #200 material (gm)	12.04
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	8.51
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.50	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.00	0.00	0.00	100.00	100.00
#10	2.00	0.62	3.02	3.02	96.98	96.98
#20	0.850	2.78	13.53	16.55	83.45	83.45
#40	0.425	1.61	7.83	24.38	75.62	75.62
#60	0.250	0.90	4.38	28.76	71.24	71.24
#140	0.106	1.78	8.66	37.42	62.58	62.58
#200	0.075	0.82	3.99	41.41	58.59	58.59
Pan	-	12.04	58.59	100.00	-	-

Tested By JP Date 08/28/03 Checked By RJO Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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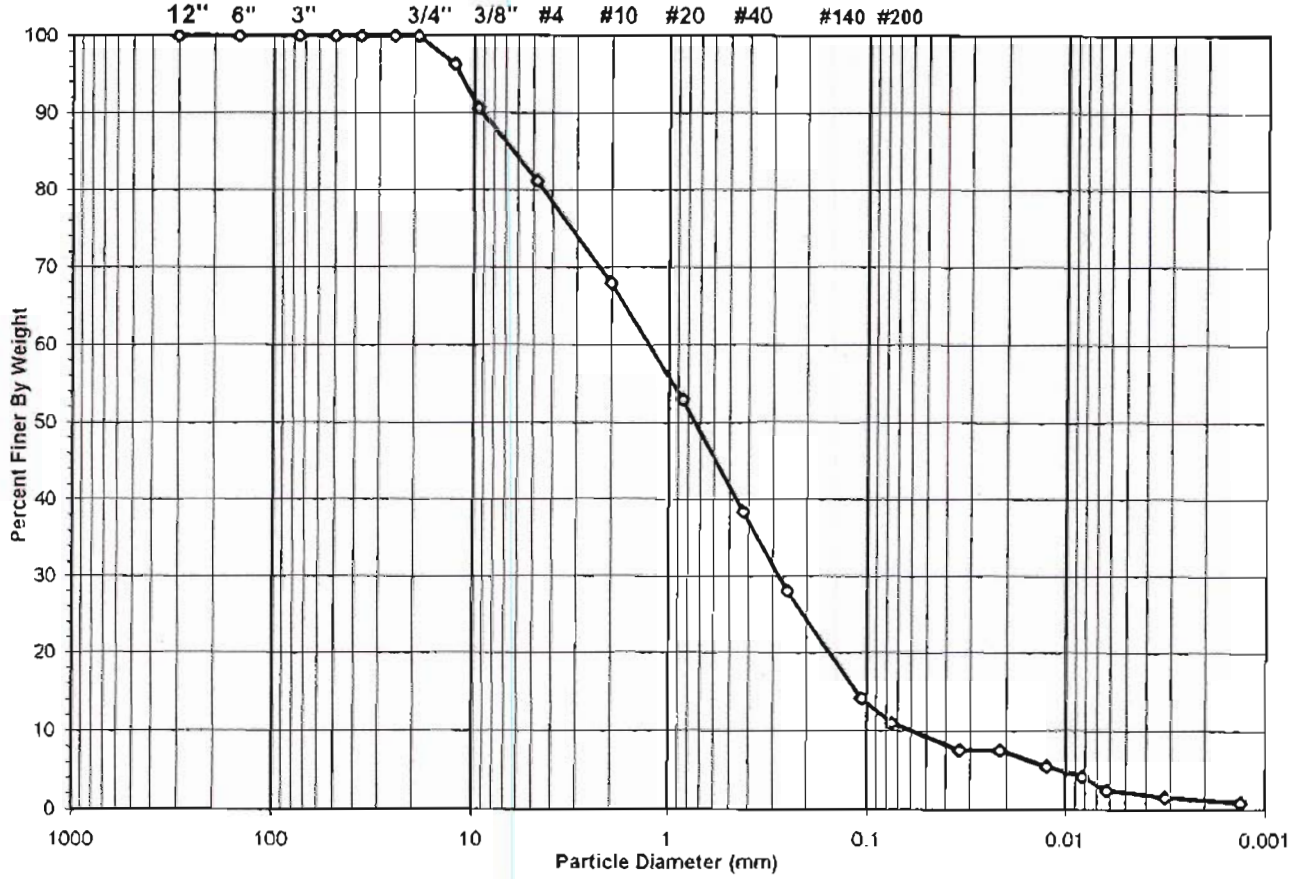
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-08
Lab ID	2003-236-02-14	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	18.77
#4 To #200	*Sand*	70.19
Finer Than #200	*Silt & Clay*	11.04

		D60 =	1.272		
USCS Symbol	*SW-SM, TESTED (NON-PLASTIC FINES)*	D30 =	0.276	CC =	1.01
USCS Classification	*WELL-GRADED SAND WITH SILT AND GRAVEL*	D10 =	0.059	CU =	21.57

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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Geotechnics
INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-08
Lab ID	2003-236-02-14	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	1710	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	408.31	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	353.12	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	82.56	Weight of Tare (gm)	NA
Weight of Water (gm)	55.19	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	270.56	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**20.4**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	270.56
Dry Weight - 3/4" Sample (gm)	240.70	Weight of minus #200 material (gm)	29.86
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	240.70
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.5	9.80	3.62	3.62	96.38	**96.38**
3/8"	9.50	15.50	5.73	9.35	90.65	**90.65**
#4	4.75	25.49	9.42	18.77	81.23	**81.23**
#10	2.00	36.01	13.31	32.08	67.92	**67.92**
#20	0.85	40.52	14.98	47.06	52.94	**52.94**
#40	0.425	39.33	14.54	61.59	38.41	**38.41**
#60	0.250	27.86	10.30	71.89	28.11	**28.11**
#140	0.106	37.59	13.89	85.79	14.21	**14.21**
#200	0.075	8.60	3.18	88.96	11.04	**11.04**
Pan	-	29.86	11.04	100.00	-	-

Tested By JP Date 9/15/03 Checked By [signature] Date 10-6-03

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SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0.5-2.5
Project No.	2003-236-02	Sample No.	SLGT03-09
Lab ID	2003-236-02-17	Soil Color	BLACK

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay

USCS Symbol *SM, TESTED*

USCS Classification *SILTY SAND*
(UNABLE TO RUN HYDROMETER)

Tested By JP Date 08/28/03 Checked By [illegible] Date 9-19-03

DCN. CT-S3C DATE 6-25-98 REVISION: 2
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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0.5-2.5
Project No.	2003-236-02	Sample No.	SLGT03-09
Lab ID	2003-236-02-17	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	606	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	321.01	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	278.29	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	85.60	Weight of Tare (gm)	NA
Weight of Water (gm)	42.72	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	192.69	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**22.2**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	192.69
Dry Weight - 3/4" Sample (gm)	163.0	Weight of minus #200 material (gm)	29.72
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	162.97
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.50	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	22.10	11.47	11.47	88.53	88.53
#10	2.00	26.62	13.81	25.28	74.72	74.72
#20	0.850	29.97	15.55	40.84	59.16	59.16
#40	0.425	27.69	14.37	55.21	44.79	44.79
#60	0.250	20.15	10.46	65.67	34.33	34.33
#140	0.106	27.96	14.51	80.18	19.82	19.82
#200	0.075	8.48	4.40	84.58	15.42	15.42
Pan	-	29.72	15.42	100.00	-	-

Tested By JP Date 08/28/03 Checked By RTO Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION. 2

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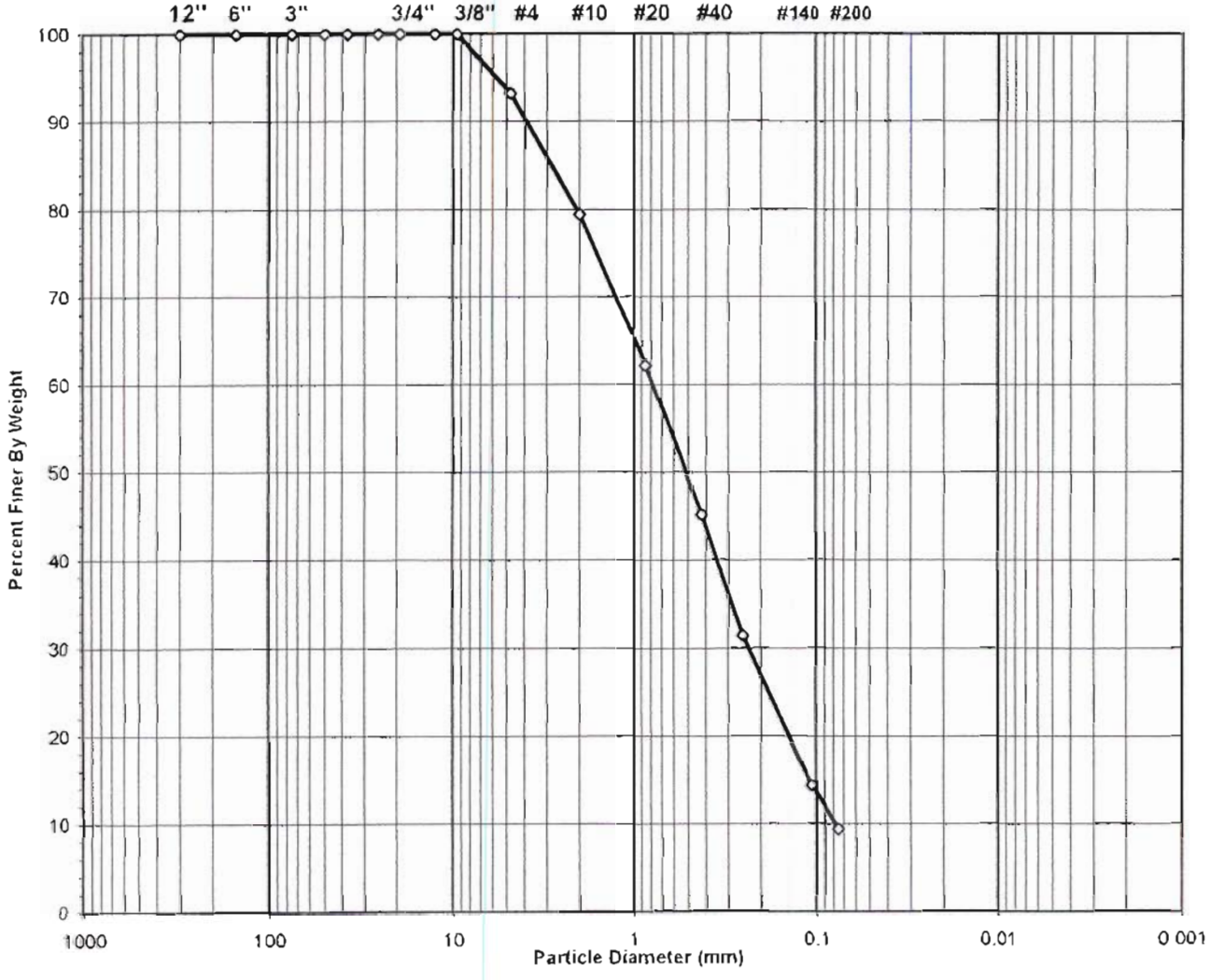
SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2.5-4.5
Project No.	2003-236-02	Sample No.	SLGT03-09
Lab ID	2003-236-02-18	Soil Color	BLACK & GRAY

	SIEVE ANALYSIS		*HYDROMETER*
USCS	gravel	sand	silt and clay



USCS Symbol *SP-SM, TESTED*

USCS Classification *POORLY GRADED SAND WITH SILT (UNABLE TO RUN HYDROMETER)*

D60 = 0.8 CC = 0.9

D30 = 0.2 CU = 9.9

D10 = 0.1

Tested By JP Date 08/28/03 Checked By RJO Date 9-19-03

ODN: CT-S3C DATE 6-25-98 REVISION: 2

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INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2.5-4.5
Project No.	2003-236-02	Sample No.	SLGT03-09
Lab ID	2003-236-02-18	Soil Color	BLACK & GRAY

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	623	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	204.48	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	180.59	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	83.71	Weight of Tare (gm)	NA
Weight of Water (gm)	23.89	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	96.88	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**24.7**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	96.88
Dry Weight - 3/4" Sample (gm)	87.8	Weight of minus #200 material (gm)	9.09
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	87.79
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.50	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	6.57	6.78	6.78	93.22	93.22
#10	2.00	13.32	13.75	20.53	79.47	79.47
#20	0.850	16.74	17.28	37.81	62.19	62.19
#40	0.425	16.54	17.07	54.88	45.12	45.12
#60	0.250	13.21	13.64	68.52	31.48	31.48
#140	0.106	16.56	17.09	85.61	14.39	14.39
#200	0.075	4.85	5.01	90.62	9.38	9.38
Pan	-	9.09	9.38	100.00	-	-

Tested By JP Date 08/28/03 Checked By RJO Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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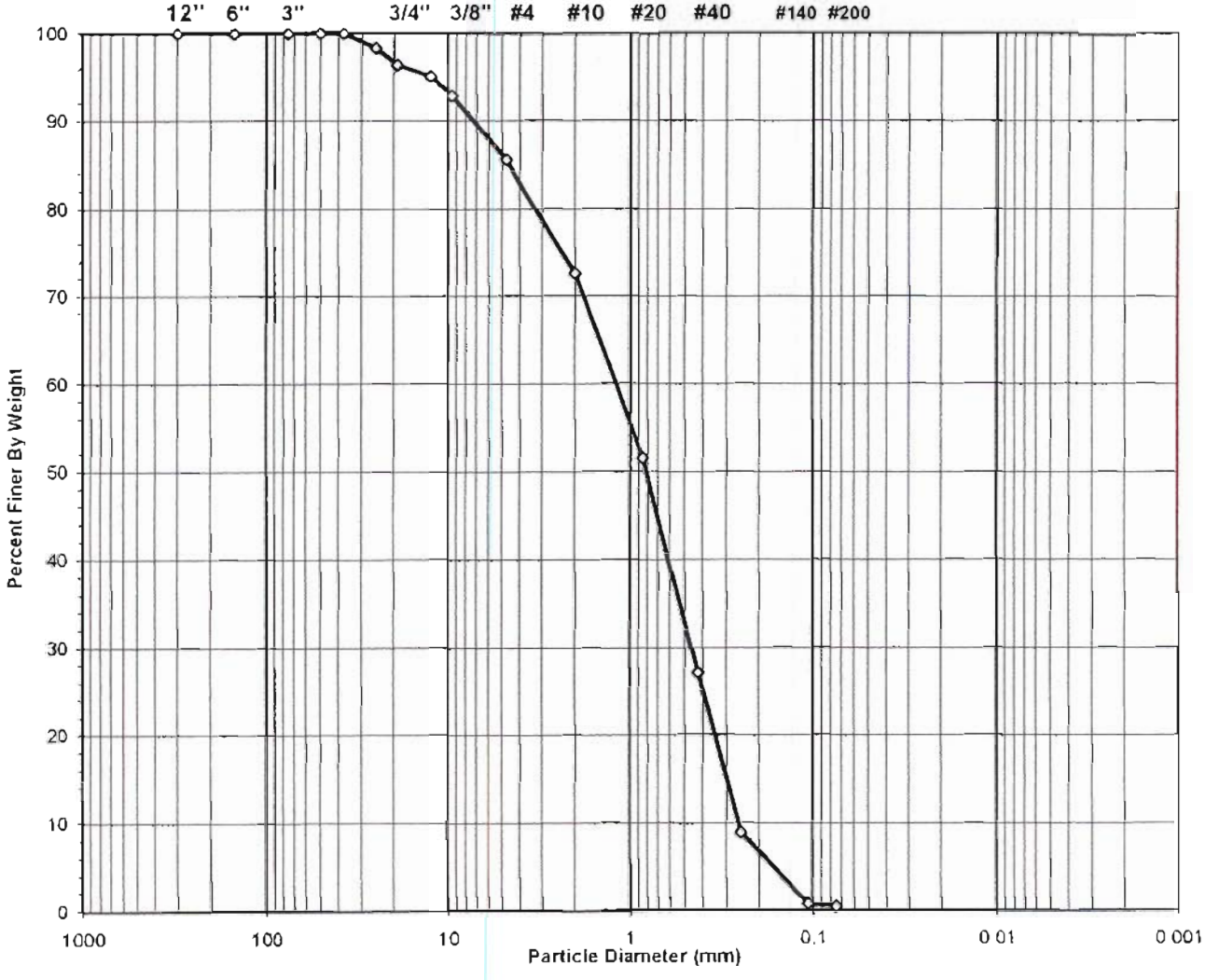
SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-10
Lab ID	2003-236-02-20	Soil Color	BLACK

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay



USCS Symbol *sp, ASSUMED*

USCS Classification *POORLY GRADED SAND*
(UNABLE TO RUN HYDROMETER)(NOT ENOUGH MATERIAL ASSUME ml)

D60 = 1.2 CC = 0.7

D30 = 0.5 CU = 4.6

D10 = 0.3

Tested By JP Date 09/15/03 Checked By RJO Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-10
Lab ID	2003-236-02-20	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	642	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	1166.80	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	1029.60	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	99.26	Weight of Tare (gm)	NA
Weight of Water (gm)	137.20	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	930.34	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**14.7**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	930.34
Dry Weight - 3/4" Sample (gm)	892.4	Weight of minus #200 material (gm)	4.25
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	926.09
Dry Weight + 3/4" Sample (gm)	33.67		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	15.56	1.67	1.67	98.33	98.33
3/4"	19.0	18.11	1.95	3.62	96.38	96.38
1/2"	12.50	12.14	1.30	4.92	95.08	95.08
3/8"	9.50	20.58	2.21	7.14	92.86	92.86
#4	4.75	67.66	7.27	14.41	85.59	85.59
#10	2.00	120.98	13.00	27.41	72.59	72.59
#20	0.850	195.68	21.03	48.45	51.55	51.55
#40	0.425	227.23	24.42	72.87	27.13	27.13
#60	0.250	170.07	18.28	91.15	8.85	8.85
#140	0.106	74.86	8.05	99.20	0.80	0.80
#200	0.075	3.22	0.35	99.54	0.46	0.46
Pan	-	4.25	0.46	100.00	-	-

Tested By JP Date 09/15/03 Checked By RJO Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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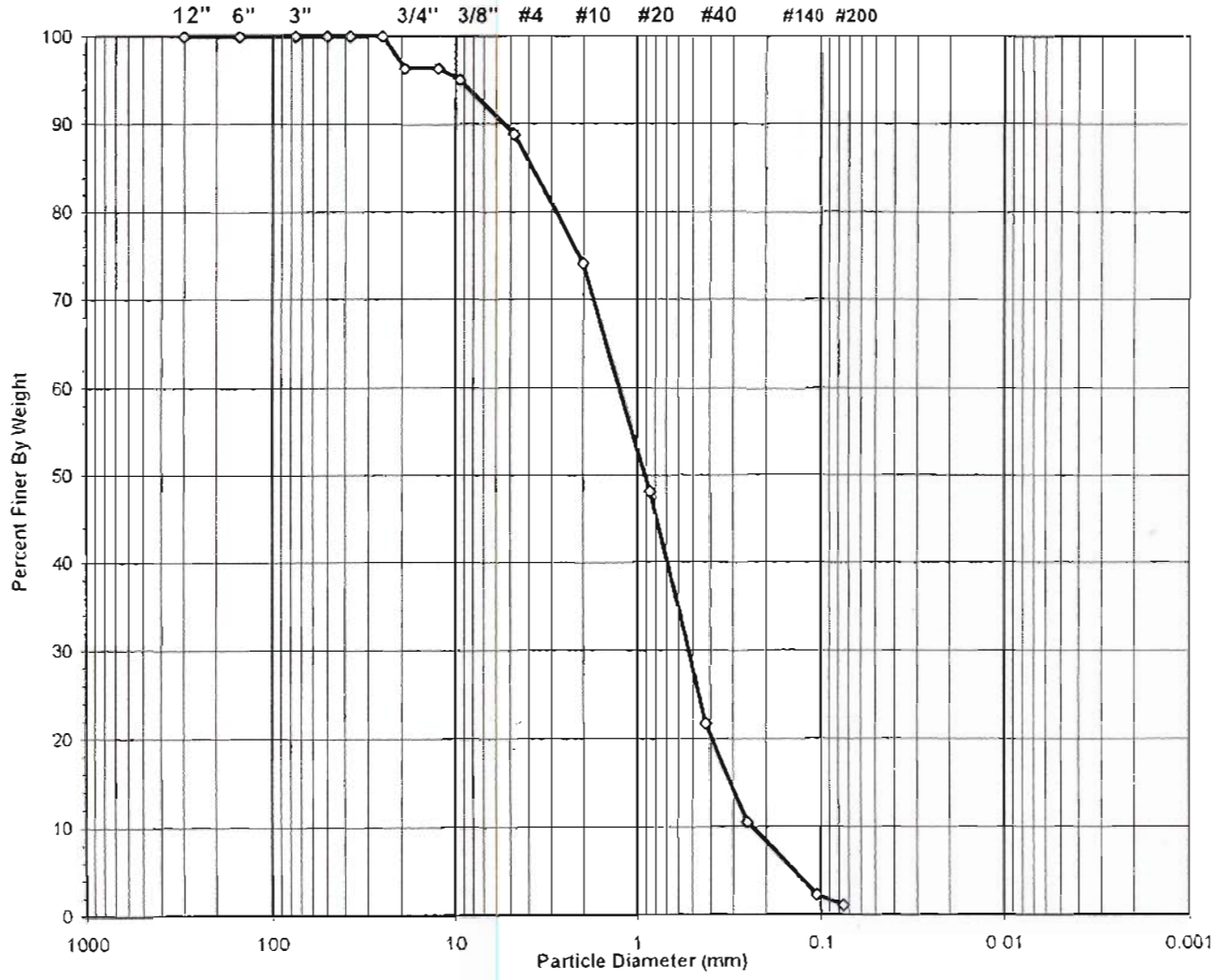
SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2-4
Project No.	2003-236-02	Sample No.	SLGT03-10
Lab ID	2003-236-02-21	Soil Color	GRAY

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay



USCS Symbol *sp, ASSUMED* D60 = 1.3 CC = 0.9

USCS Classification *POORLY GRADED SAND* D30 = 0.5 CU = 5.3

(UNABLE TO RUN HYDROMETER)(NOT ENOUGH MATERIAL ASSUME ml)

D10 = 0.2

Tested By JP Date 09/15/03 Checked By RJO Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2-4
Project No.	2003-236-02	Sample No.	SLGT03-10
Lab ID	2003-236-02-21	Soil Color	GRAY

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	2351	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	885.10	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	789.90	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	96.68	Weight of Tare (gm)	NA
Weight of Water (gm)	95.20	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	693.22	Weight of Dry Soil (gm)	NA
Moisture Content (%)	13.7	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	693.22
Dry Weight - 3/4" Sample (gm)	659.6	Weight of minus #200 material (gm)	8.06
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	685.16
Dry Weight + 3/4" Sample (gm)	25.52		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	25.52	3.68	3.68	96.32	96.32
1/2"	12.50	0.00	0.00	3.68	96.32	96.32
3/8"	9.50	8.71	1.26	4.94	95.06	95.06
#4	4.75	43.12	6.22	11.16	88.84	88.84
#10	2.00	101.73	14.67	25.83	74.17	74.17
#20	0.850	180.21	26.00	51.83	48.17	48.17
#40	0.425	183.11	26.41	78.24	21.76	21.76
#60	0.250	77.82	11.23	89.47	10.53	10.53
#140	0.106	56.98	8.22	97.69	2.31	2.31
#200	0.075	7.96	1.15	98.84	1.16	1.16
Pan	-	8.06	1.16	100.00	-	-

Tested By JP Date 09/15/03 Checked By DJD Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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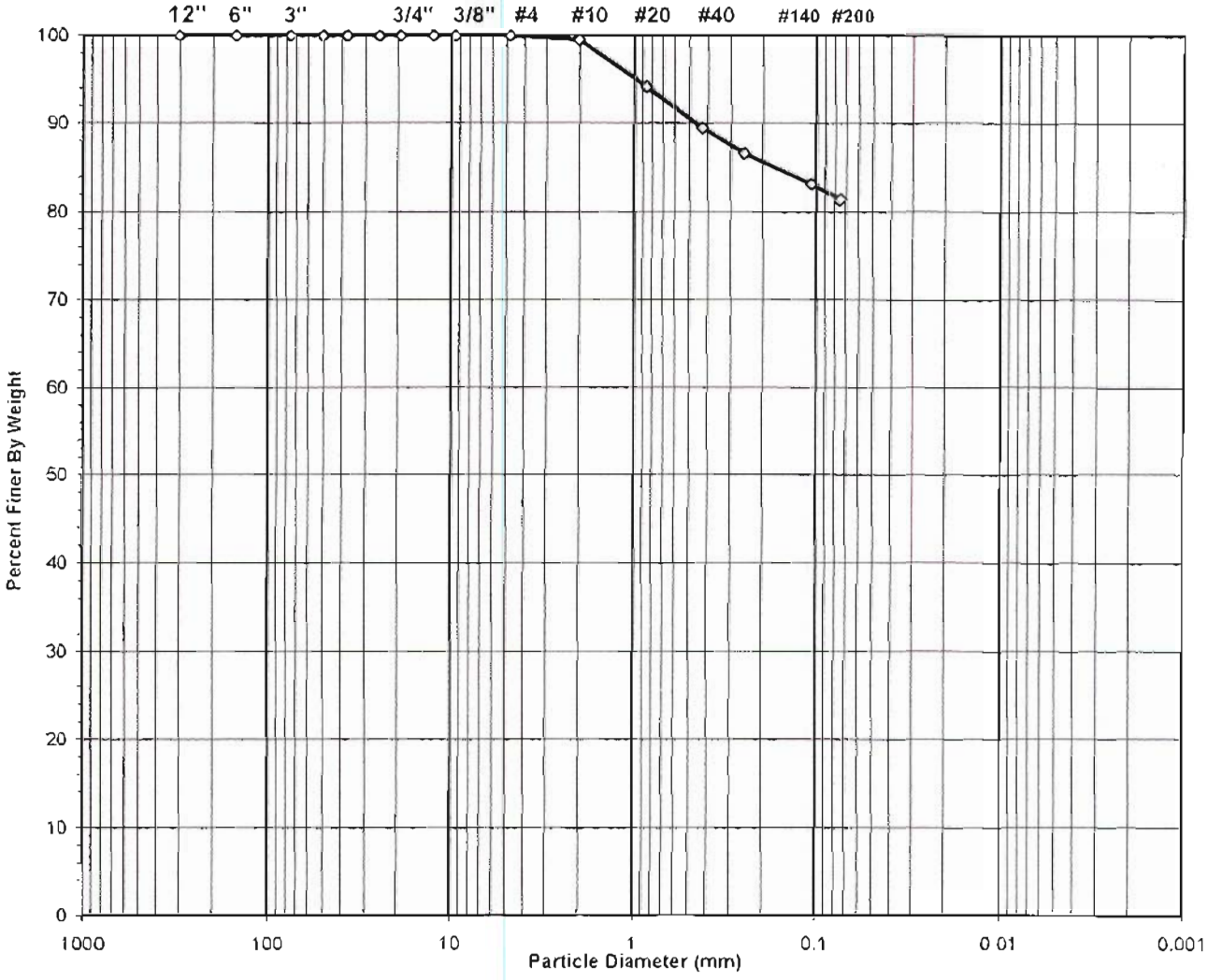
SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	15-17
Project No.	2003-236-01	Sample No.	SLGT03-12
Lab ID	2003-236-01-18	Soil Color	BROWNISH GRAY

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay



USCS Symbol *ml, ASSUMED*

USCS Classification *SILT WITH SAND(CEMENTED AFTER DRYING)*
(NOT ENOUGH MATERIAL ASSUME ml) (UNABLE TO RUN HYDROMETER)

Tested By JP Date 08/28/03 Checked By DJO Date 9-19-03

DCN GT-S3C DATE 6-25-98 REVISION: 2
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Geotechnics
INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	15-17
Project No.	2003-236-01	Sample No.	SLGT03-12
Lab ID	2003-236-01-18	Soil Color	BROWNISH GRAY

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	1123	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	105.83	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	105.83	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	85.30	Weight of Tare (gm)	NA
Weight of Water (gm)	0.00	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	20.53	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**0.0**	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	20.53
Dry Weight - 3/4" Sample (gm)	3.8	Weight of minus #200 material (gm)	16.71
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	3.82
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.50	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.00	0.00	0.00	100.00	100.00
#10	2.00	0.09	0.44	0.44	99.56	99.56
#20	0.850	1.11	5.41	5.85	94.15	94.15
#40	0.425	0.95	4.63	10.47	89.53	89.53
#60	0.250	0.59	2.87	13.35	86.65	86.65
#140	0.106	0.72	3.51	16.85	83.15	83.15
#200	0.075	0.36	1.75	18.61	81.39	81.39
Pan	-	16.71	81.39	100.00	-	-

Tested By JP Date 08/28/03 Checked By RJO Date 9-19-03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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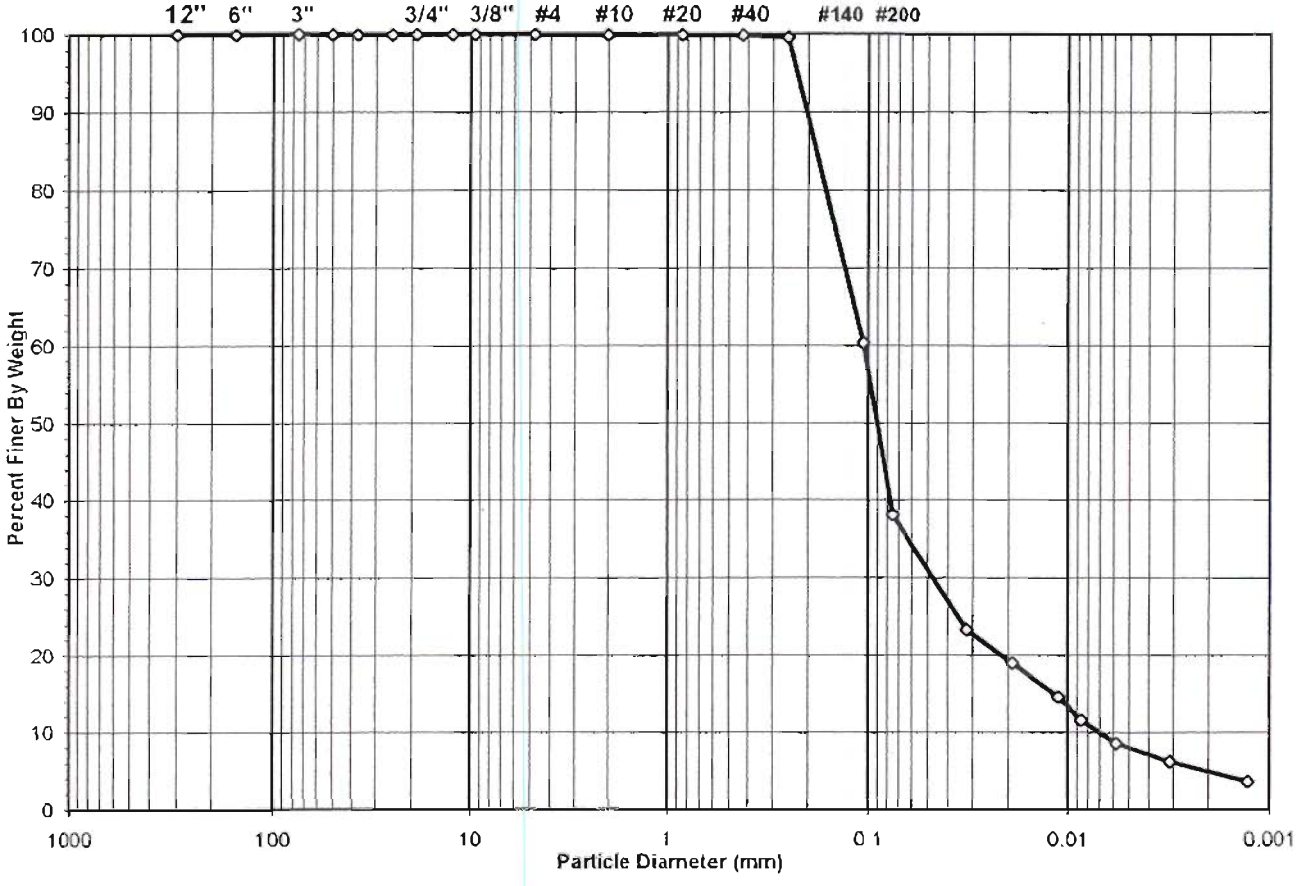
INTEGRITY IN TESTING

SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	30-32
Project No.	2003-236-01	Sample No.	SLGT03-12
Lab ID	2003-236-01-21	Soil Color	GRAYISH BROWN

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	61.91
Finer Than #200	*Silt & Clay*	38.09
USCS Symbol	*SM, TESTED (NON-PLASTIC FINES)*	
USCS Classification	*SILTY SAND*	

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SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	3.3-3.8
Project No.	2003-236-01	Sample No.	SLGT03-14
Lab ID	2003-236-01-25	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay

USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	0.86
Finer Than #200	*Silt & Clay*	99.14
USCS Symbol	*MH, TESTED*	
USCS Classification	*ELASTIC SILT (SLUDGE)*	

DCN: CT-S3A DATE: 1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	3.3-3.8
Project No.	2003-236-01	Sample No.	SLGT03-14
Lab ID	2003-236-01-25	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	563	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	181.44	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	119.98	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	82.62	Weight of Tare (gm)	NA
Weight of Water (gm)	61.46	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	37.36	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**164.5**	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	37.36
Dry Weight - 3/4" Sample (gm)	0.32	Weight of minus #200 material (gm)	37.04
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	0.32
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.5	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.00	0.00	0.00	100.00	100.00
#10	2.00	0.06	0.16	0.16	99.84	99.84
#20	0.85	0.10	0.27	0.43	99.57	99.57
#40	0.425	0.00	0.00	0.43	99.57	99.57
#60	0.250	0.00	0.00	0.43	99.57	99.57
#140	0.106	0.07	0.19	0.62	99.38	99.38
#200	0.075	0.09	0.24	0.86	99.14	99.14
Pan	-	37.04	99.14	100.00	-	-

Tested By JP Date 09/05/03 Checked By Date 10-6-03

DCN: CT-S3A DATE: 1/20/03 REVISION: 5

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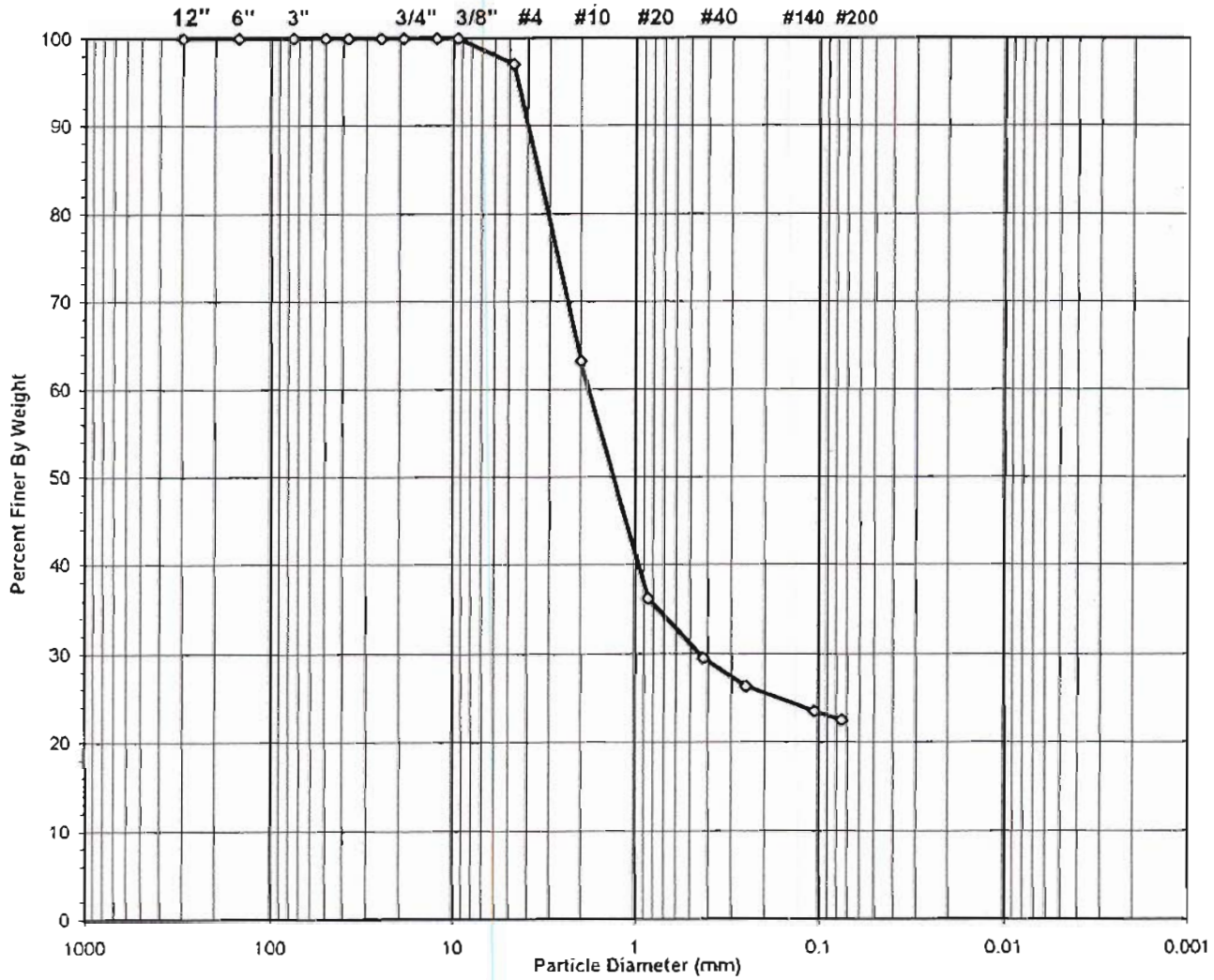
SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE, INC.	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.3-5.8
Project No.	2003-236-01	Sample No.	SLGT03-14
Lab ID	2003-236-01-26	Soil Color	**BROWN**

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay



USCS Symbol *SC, TESTED*

USCS Classification *CLAYEY SAND*

Tested By JP Date 9/29/03 Checked By JMO Date 10/15/03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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Geotechnics
INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE, INC.	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.3-5.8
Project No.	2003-236-01	Sample No.	SLGT03-14
Lab ID	2003-236-01-26	Soil Color	**BROWN**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	2353	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	282.69	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	111.92	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	100.00	Weight of Tare (gm)	NA
Weight of Water (gm)	170.77	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	11.92	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**1432.6**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	11.92
Dry Weight - 3/4" Sample (gm)	9.2	Weight of minus #200 material (gm)	2.68
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	9.24
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated **Percent Finer (%)**
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.50	0.00	0.00	0.00	100.00	**100.00**
3/8"	9.50	0.00	0.00	0.00	100.00	**100.00**
#4	4.75	0.35	2.94	2.94	97.06	**97.06**
#10	2.00	4.03	33.81	36.74	63.26	**63.26**
#20	0.850	3.22	27.01	63.76	36.24	**36.24**
#40	0.425	0.80	6.71	70.47	29.53	**29.53**
#60	0.250	0.38	3.19	73.66	26.34	**26.34**
#140	0.106	0.34	2.85	76.51	23.49	**23.49**
#200	0.075	0.12	1.01	77.52	22.48	**22.48**
Pan	-	2.68	22.48	100.00	-	-

Tested By JP Date 9/29/03 Checked By JMO Date 10/15/03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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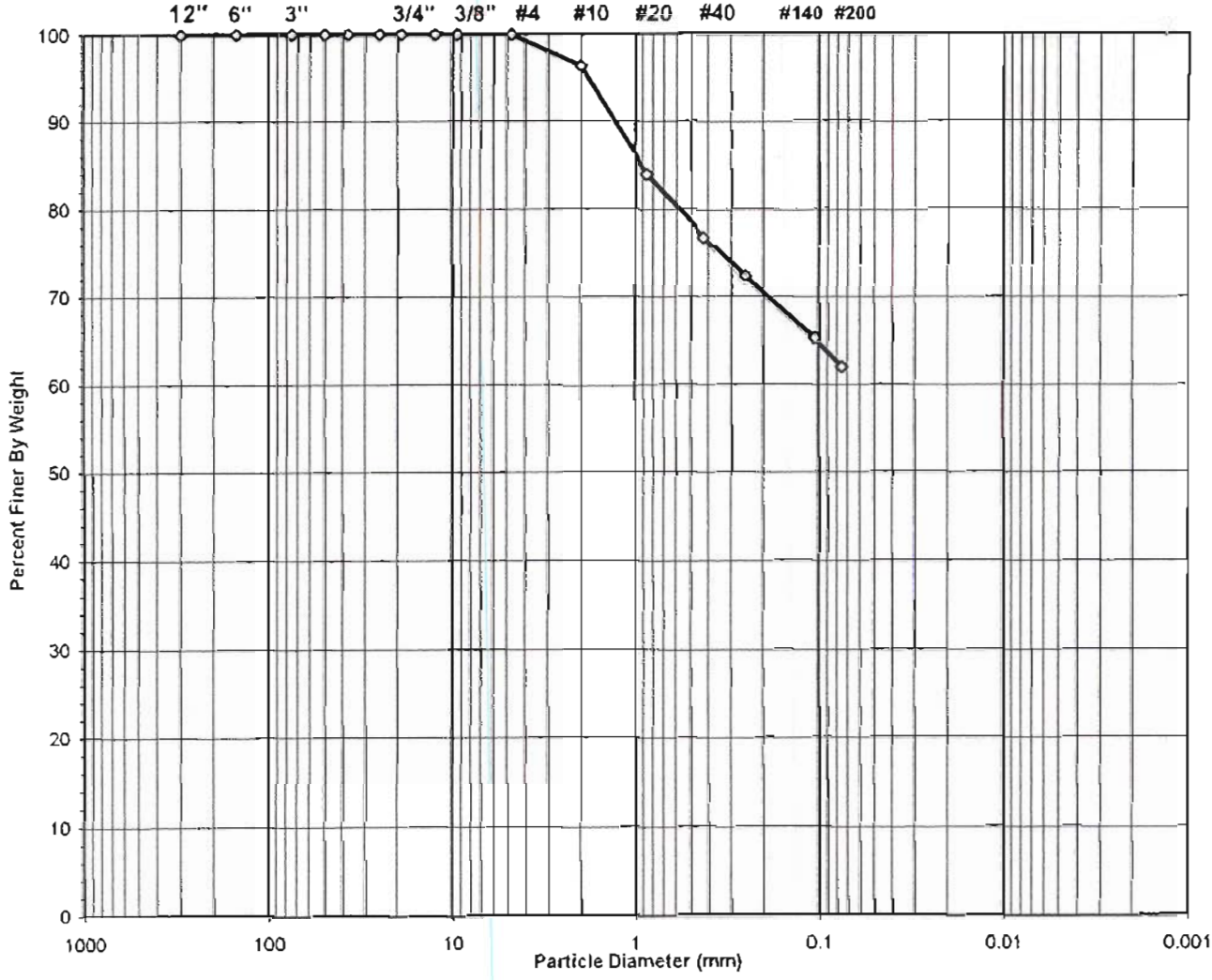
SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE, INC.	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	8-10
Project No.	2003-236-01	Sample No.	SLGT03-14
Lab ID	2003-236-01-27	Soil Color	**BLACK**

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay



USCS Symbol *ml, ASSUMED*

USCS Classification *SANDY SILT*

Tested By JP Date 8/28/03 Checked By JMO Date 10/15/03

DCN: CT-S3C DATE 6-25-98 REVISION: 2

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE, INC.	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	8-10
Project No.	2003-236-01	Sample No.	SLGT03-14
Lab ID	2003-236-01-27	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	630	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	100.54	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	100.54	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	82.54	Weight of Tare (gm)	NA
Weight of Water (gm)	0.00	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	18.00	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**0.0**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	18.00
Dry Weight - 3/4" Sample (gm)	6.9	Weight of minus #200 material (gm)	11.15
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	6.85
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.50	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.00	0.00	0.00	100.00	100.00
#10	2.00	0.66	3.67	3.67	96.33	96.33
#20	0.850	2.22	12.33	16.00	84.00	84.00
#40	0.425	1.28	7.11	23.11	76.89	76.89
#60	0.250	0.82	4.56	27.67	72.33	72.33
#140	0.106	1.27	7.06	34.72	65.28	65.28
#200	0.075	0.60	3.33	38.06	61.94	61.94
Pan	-	11.15	61.94	100.00	-	-

Tested By JP Date 8/28/03 Checked By JMO Date 10/15/03

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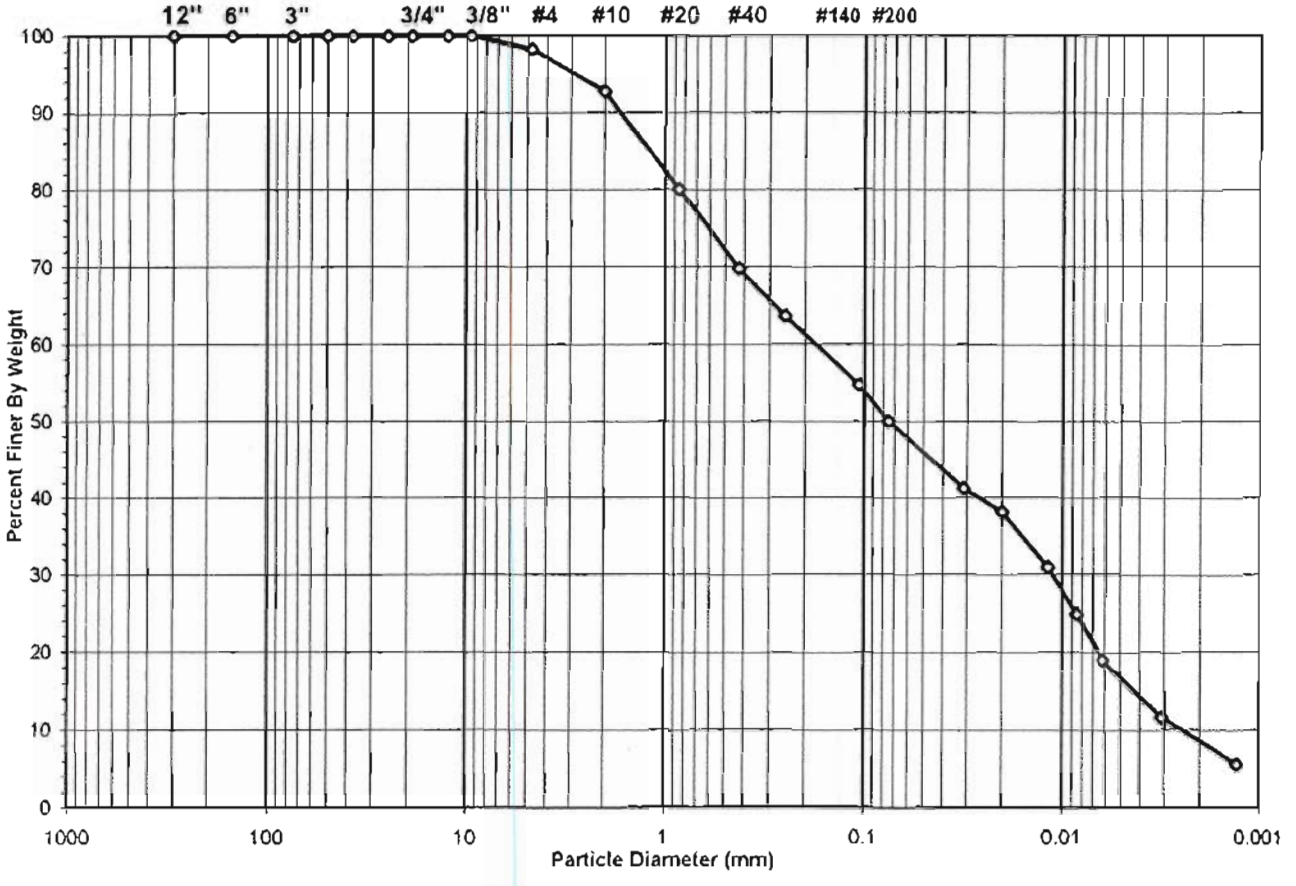
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-16
Lab ID	2003-236-02-29	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	1.81
#4 To #200	*Sand*	48.25
Finer Than #200	*Silt & Clay*	49.94

USCS Symbol	*SM, TESTED*
USCS Classification	*SILTY SAND*

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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INTEGRITY IN TESTING

WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-16
Lab ID	2003-236-02-29	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	640	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	261.71	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	166.02	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	100.32	Weight of Tare (gm)	NA
Weight of Water (gm)	95.69	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	65.70	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**145.6**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	65.70
Dry Weight - 3/4" Sample (gm)	32.89	Weight of minus #200 material (gm)	32.81
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	32.89
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.5	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	1.19	1.81	1.81	98.19	98.19
#10	2.00	3.60	5.48	7.29	92.71	92.71
#20	0.85	8.33	12.68	19.97	80.03	80.03
#40	0.425	6.75	10.27	30.24	69.76	69.76
#60	0.250	4.05	6.16	36.41	63.59	63.59
#140	0.106	5.85	8.90	45.31	54.69	54.69
#200	0.075	3.12	4.75	50.06	49.94	49.94
Pan	-	32.81	49.94	100.00	-	-

Tested By JP Date 9/15/03 Checked By RJO Date 10-3-03

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HYDROMETER ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.3-1.8
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-01	Soil Color	BLACK

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	18.0	18.5	24.3	6.07	12.4	66.6	0.01278	0.0329	35.9
5		16.0	24.3	6.07	9.9	53.2	0.01278	0.0211	28.6
15		14.0	24.3	6.07	7.9	42.5	0.01278	0.0123	22.9
33		11.5	24.3	6.07	5.4	29.1	0.01278	0.0084	15.7
65		10.0	24.4	6.04	4.0	21.2	0.01276	0.0061	11.4
250		9.0	24.4	6.04	3.0	15.9	0.01276	0.0031	8.5
1440		7.5	24.1	6.13	1.4	7.3	0.01281	0.0013	3.9

Soil Specimen Data		Other Corrections	
Tare No.	674		
Tare + Dry Material (gm)	123.37	a - Factor	0.99
Weight of Tare (gm)	99.89		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	53.84
Weight of Dry Material (gm)	18.48		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

Tested By TO Date 09/02/03 Checked By [signature] Date 10/3/03

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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Geotechnics
INTEGRITY IN TESTING

HYDROMETER ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.3-5.8
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-03	Soil Color	BLACK

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	17.5	18.5	24.3	6.07	12.4	63.0	0.01278	0.0329	37.1
5		16.0	24.3	6.07	9.9	50.4	0.01278	0.0211	29.6
16		13.5	24.3	6.07	7.4	37.7	0.01278	0.0120	22.2
30		12.5	24.3	6.07	6.4	32.6	0.01278	0.0088	19.2
67		10.5	24.4	6.04	4.5	22.6	0.01276	0.0060	13.3
250		8.5	24.4	6.04	2.5	12.5	0.01276	0.0031	7.3
1440		8.0	24.1	6.13	1.9	9.5	0.01281	0.0013	5.6

Soil Specimen Data		Other Corrections	
Tare No.	675		
Tare + Dry Material (gm)	123.04	a - Factor	0.99
Weight of Tare (gm)	98.52		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	58.78
Weight of Dry Material (gm)	19.52		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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HYDROMETER ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	10-12
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-06	Soil Color	BROWN

Elapsed Time (min)		R Measured	Temp. (°C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	30.0	28.5	24.4	6.04	22.5	90.9	0.01276	0.0308	55.3
5		26.5	24.4	6.04	20.5	82.8	0.01276	0.0197	50.4
20		22.0	24.4	6.04	16.0	64.6	0.01276	0.0102	39.3
34		20.0	24.4	6.04	14.0	56.5	0.01276	0.0079	34.4
73		16.5	24.0	6.17	10.3	41.8	0.01282	0.0055	25.5
250		12.0	23.9	6.20	5.8	23.5	0.01284	0.0031	14.3
1472		8.5	24.6	5.97	2.5	10.2	0.01273	0.0013	6.2

Soil Specimen Data		Other Corrections	
Tare No.	511		
Tare + Dry Material (gm)	127.64	a - Factor	0.99
Weight of Tare (gm)	98.18		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	60.86
Weight of Dry Material (gm)	24.46		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	26-28
Project No.	2003-236-01	Sample No.	SLGT03-02
Lab ID	2003-236-01-10	Soil Color	BROWNISH GRAY

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	29.0	30.5	25.3	5.74	24.8	67.3	0.01263	0.0300	41.1
5		24.0	25.3	5.74	18.3	49.6	0.01263	0.0199	30.3
15		19.5	25.3	5.74	13.8	37.4	0.01263	0.0118	22.8
30		16.5	25.3	5.74	10.8	29.3	0.01263	0.0085	17.8
71		14.0	23.8	6.23	7.8	21.1	0.01285	0.0057	12.9
250		12.0	23.8	6.23	5.8	15.7	0.01285	0.0031	9.6
1440		9.5	24.5	6.00	3.5	9.5	0.01275	0.0013	5.8

Soil Specimen Data		Other Corrections	
Tare No.	640		
Tare + Dry Material (gm)	141.56	a - Factor	0.99
Weight of Tare (gm)	100.15		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	61.01
Weight of Dry Material (gm)	36.41		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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HYDROMETER ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2-4
Project No.	2003-236-01	Sample No.	SLGT03-03
Lab ID	2003-236-01-12	Soil Color	BLACK

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	23.0	24.0	24.3	6.07	17.9	74.9	0.01455	0.0362	43.5
5		20.5	24.3	6.07	14.4	60.3	0.01455	0.0234	35.0
18		17.0	24.3	6.07	10.9	45.7	0.01455	0.0126	26.5
31		15.5	24.3	6.07	9.4	39.4	0.01455	0.0097	22.9
70		13.0	24.4	6.04	7.0	29.1	0.01454	0.0065	16.9
250		10.5	24.4	6.04	4.5	18.7	0.01454	0.0035	10.8
1440		9.0	24.1	6.13	2.9	12.0	0.01459	0.0015	7.0

Soil Specimen Data		Other Corrections	
Tare No.	676		
Tare + Dry Material (gm)	130.28	a - Factor	1.068
Weight of Tare (gm)	99.72		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	58.08
Weight of Dry Material (gm)	25.56		
		Specific Gravity	2.31 Measured

Note: *Hydrometer test is performed on - # 200 sieve material.*

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ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-06
Lab ID	2003-236-02-07	Soil Color	BLACK

Elapsed Time (min)		R Measured	Temp. (°C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	36.0	35.5	25.0	5.84	29.7	90.7	0.01268	0.0290	**87.1**
5		33.5	25.0	5.84	27.7	84.6	0.01268	0.0186	**81.2**
15		28.5	25.0	5.84	22.7	69.3	0.01268	0.0112	**66.6**
31		23.0	25.0	5.84	17.2	52.5	0.01268	0.0081	**50.4**
66		18.5	24.0	6.17	12.3	37.7	0.01282	0.0057	**36.2**
250		14.5	23.5	6.33	8.2	25.0	0.01290	0.0030	**24.0**
1440		11.5	23.7	6.27	5.2	16.0	0.01287	0.0013	**15.4**

Soil Specimen Data		Other Corrections	
Tare No.	700		
Tare + Dry Material (gm)	137.02	a - Factor	0.99
Weight of Tare (gm)	99.65		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	96.03
Weight of Dry Material (gm)	32.37		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-08
Lab ID	2003-236-02-14	Soil Color	**BLACK**

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	12.0	11.5	25.0	5.84	5.7	69.1	0.01268	0.0340	**7.6**
5		11.5	25.0	5.84	5.7	69.1	0.01268	0.0215	**7.6**
15		10.0	25.0	5.84	4.2	50.8	0.01268	0.0125	**5.6**
35		9.0	25.0	5.84	3.2	38.6	0.01268	0.0082	**4.3**
64		8.0	24.0	6.17	1.8	22.4	0.01282	0.0062	**2.5**
250		7.5	23.5	6.33	1.2	14.3	0.01290	0.0032	**1.6**
1440		7.0	23.7	6.27	0.7	9.0	0.01287	0.0013	**1.0**

Soil Specimen Data		Other Corrections	
Tare No.	698		
Tare + Dry Material (gm)	114.34	a - Factor	0.99
Weight of Tare (gm)	101.23		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	11.04
Weight of Dry Material (gm)	8.11		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	30-32
Project No.	2003-236-01	Sample No.	SLGT03-12
Lab ID	2003-236-01-21	Soil Color	GRAYISH BROWN

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	23.0	22.0	24.4	6.04	16.0	61.3	0.01276	0.0321	23.4
6		19.0	24.4	6.04	13.0	49.8	0.01276	0.0189	19.0
18		16.0	24.4	6.04	10.0	38.3	0.01276	0.0111	14.6
31		14.0	24.4	6.04	8.0	30.6	0.01276	0.0086	11.7
70		12.0	24.0	6.17	5.8	22.4	0.01282	0.0058	8.5
250		10.5	23.9	6.20	4.3	16.5	0.01284	0.0031	6.3
1469		8.5	24.6	5.97	2.5	9.7	0.01273	0.0013	3.7

Soil Specimen Data		Other Corrections	
Tare No.	503		
Tare + Dry Material (gm)	127.65	a - Factor	0.99
Weight of Tare (gm)	96.88		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	38.09
Weight of Dry Material (gm)	25.77		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-01	Sample No.	SLGT03-13
Lab ID	2003-236-01-22	Soil Color	**BLACK**

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	27.0	27.0	24.3	6.07	20.9	79.7	0.01278	0.0311	**67.9**
9		22.0	24.3	6.07	15.9	60.7	0.01278	0.0152	**51.7**
15		19.5	24.3	6.07	13.4	51.1	0.01278	0.0119	**43.6**
30		16.5	24.3	6.07	10.4	39.7	0.01278	0.0086	**33.9**
62		13.0	24.4	6.04	7.0	26.5	0.01276	0.0061	**22.6**
250		10.0	24.4	6.04	4.0	15.1	0.01276	0.0031	**12.9**
1440		9.0	24.1	6.13	2.9	10.9	0.01281	0.0013	**9.3**

Soil Specimen Data		Other Corrections	
Tare No.	673		
Tare + Dry Material (gm)	131.08	a - Factor	0.99
Weight of Tare (gm)	100.08		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	85.23
Weight of Dry Material (gm)	26		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	3.3-3.8
Project No.	2003-236-01	Sample No.	SLGT03-14
Lab ID	2003-236-01-25	Soil Color	BLACK

Elapsed Time (min)		R Measured	Temp. (°C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	29.0	28.5	25.0	5.84	22.7	96.6	0.01268	0.0306	95.7
5		28.5	25.0	5.84	22.7	96.6	0.01268	0.0193	95.7
17		27.0	25.0	5.84	21.2	90.2	0.01268	0.0106	89.4
30		24.0	25.0	5.84	18.2	77.4	0.01268	0.0081	76.7
97		18.5	23.6	6.30	12.2	52.0	0.01288	0.0048	51.6
250		15.0	23.5	6.33	8.7	36.9	0.01290	0.0030	36.6
1440		11.5	23.7	6.27	5.2	22.3	0.01287	0.0013	22.1

Soil Specimen Data		Other Corrections	
Tare No.	706		
Tare + Dry Material (gm)	129.62	a - Factor	0.99
Weight of Tare (gm)	101.39		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	99.14
Weight of Dry Material (gm)	23.23		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	0-2
Project No.	2003-236-02	Sample No.	SLGT03-16
Lab ID	2003-236-02-29	Soil Color	**BLACK**

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	26.5	26.0	25.0	5.84	20.2	82.5	0.01268	0.0311	**41.2**
5		24.5	25.0	5.84	18.7	76.4	0.01268	0.0199	**38.1**
15		21.0	25.0	5.84	15.2	62.0	0.01268	0.0117	**31.0**
30		18.0	25.0	5.84	12.2	49.8	0.01268	0.0085	**24.9**
60		15.5	24.0	6.17	9.3	38.2	0.01282	0.0061	**19.1**
250		12.0	23.5	6.33	5.7	23.2	0.01290	0.0031	**11.6**
1440		9.0	23.7	6.27	2.7	11.2	0.01287	0.0013	**5.6**

Soil Specimen Data		Other Corrections	
Tare No.	702		
Tare + Dry Material (gm)	129.59	a - Factor	0.99
Weight of Tare (gm)	100.4		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	49.94
Weight of Dry Material (gm)	24.19		
		Specific Gravity	2.7 Assumed

Note: Hydrometer test is performed on - # 200 sieve material.

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HYDROMETER ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.4-5.8
Project No.	2003-236-02	Sample No.	SLGT03-16
Lab ID	2003-236-02-31	Soil Color	**BROWN**

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	19.0	18.5	25.0	5.84	12.7	76.3	0.01268	0.0326	**56.2**
5		16.0	25.0	5.84	10.2	61.2	0.01268	0.0210	**45.1**
20		14.0	25.0	5.84	8.2	49.2	0.01268	0.0106	**36.2**
30		13.0	25.0	5.84	7.2	43.1	0.01268	0.0087	**31.8**
100		10.0	23.6	6.30	3.7	22.3	0.01288	0.0049	**16.4**
250		8.5	23.5	6.33	2.2	13.1	0.01290	0.0031	**9.6**
1440		6.5	23.7	6.27	0.2	1.4	0.01287	0.0013	**1.0**

Soil Specimen Data		Other Corrections	
Tare No.	707		
Tare + Dry Material (gm)	122.42	a - Factor	0.99
Weight of Tare (gm)	100.99		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	73.65
Weight of Dry Material (gm)	16.43		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-17
Lab ID	2003-236-02-32	Soil Color	**BLACK**

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	20.5	19.0	25.0	5.84	13.2	85.5	0.01268	0.0325	**52.8**
5		18.0	25.0	5.84	12.2	79.0	0.01268	0.0207	**48.8**
15		17.0	25.0	5.84	11.2	72.5	0.01268	0.0120	**44.8**
30		15.0	25.0	5.84	9.2	59.5	0.01268	0.0086	**36.8**
70		12.0	24.0	6.17	5.8	37.9	0.01282	0.0058	**23.4**
250		10.0	23.5	6.33	3.7	23.8	0.01290	0.0031	**14.7**
1440		7.5	23.7	6.27	1.2	8.0	0.01287	0.0013	**5.0**

Soil Specimen Data		Other Corrections	
Tare No.	705		
Tare + Dry Material (gm)	121.95	a - Factor	0.99
Weight of Tare (gm)	101.72		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	61.78
Weight of Dry Material (gm)	15.23		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

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ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-20
Lab ID	2003-236-02-39	Soil Color	**BLACK**

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	27.0	27.0	25.0	5.84	21.2	91.6	0.01268	0.0309	**73.3**
5		26.0	25.0	5.84	20.2	87.2	0.01268	0.0197	**69.9**
18		23.0	25.0	5.84	17.2	74.2	0.01268	0.0106	**59.5**
30		21.0	25.0	5.84	15.2	65.6	0.01268	0.0083	**52.5**
73		17.0	24.0	6.17	10.8	46.9	0.01282	0.0055	**37.5**
250		14.0	23.5	6.33	7.7	33.2	0.01290	0.0031	**26.6**
1440		10.5	23.7	6.27	4.2	18.3	0.01287	0.0013	**14.7**

Soil Specimen Data		Other Corrections	
Tare No.	704		
Tare + Dry Material (gm)	128.64	a - Factor	0.99
Weight of Tare (gm)	100.76		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	80.11
Weight of Dry Material (gm)	22.88		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

Tested By TO Date 9/18/03 Checked By RJO Date 10-3-03

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INTEGRITY IN TESTING

HYDROMETER ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2-4
Project No.	2003-236-02	Sample No.	SLGT03-20
Lab ID	2003-236-02-40	Soil Color	BLACK

Elapsed Time (min)		R Measured	Temp. (°C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	34.5	33.5	25.0	5.84	27.7	88.4	0.01268	0.0295	**83.8**
5		31.0	25.0	5.84	25.2	80.5	0.01268	0.0190	**76.2**
15		28.0	25.0	5.84	22.2	70.9	0.01268	0.0112	**67.1**
33		25.0	25.0	5.84	19.2	61.3	0.01268	0.0077	**58.0**
103		21.5	23.6	6.30	15.2	48.6	0.01288	0.0045	**46.1**
250		18.0	23.5	6.33	11.7	37.3	0.01290	0.0030	**35.4**
1440		13.0	23.7	6.27	6.7	21.5	0.01287	0.0013	**20.4**

Soil Specimen Data		Other Corrections	
Tare No.	708		
Tare + Dry Material (gm)	134.99	a - Factor	0.99
Weight of Tare (gm)	99.03		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	94.74
Weight of Dry Material (gm)	30.96		
		Specific Gravity	2.7 Assumed

Note: Hydrometer test is performed on - # 200 sieve material.

Tested By TO Date 9/18/03 Checked By RJO Date 10-3-03

DCN: CT-SJA DATE:1/20/03 REVISION: 5

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HYDROMETER ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	3.4-3.8
Project No.	2003-236-02	Sample No.	SLGT03-23
Lab ID	2003-236-02-49	Soil Color	**BROWN**

Elapsed Time (min)		R Measured	Temp. (°C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	25.0	24.0	25.0	5.84	18.2	84.2	0.01268	0.0315	**81.3**
5		22.0	25.0	5.84	16.2	74.9	0.01268	0.0202	**72.3**
19		19.5	25.0	5.84	13.7	63.3	0.01268	0.0105	**61.2**
30		18.0	25.0	5.84	12.2	56.4	0.01268	0.0085	**54.4**
60		14.0	24.0	6.17	7.8	36.3	0.01282	0.0062	**35.1**
250		8.0	23.5	6.33	1.7	7.7	0.01290	0.0032	**7.5**
1440		6.5	23.7	6.27	0.2	1.1	0.01287	0.0013	**1.0**

Soil Specimen Data		Other Corrections	
Tare No.	703		
Tare + Dry Material (gm)	127.27	a - Factor	0.99
Weight of Tare (gm)	100.92		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	96.55
Weight of Dry Material (gm)	21.35		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

Tested By TO Date 9/18/03 Checked By BC Date 10.6.03

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HYDROMETER ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-01	Sample No.	SLGT03-24
Lab ID	2003-236-01-28	Soil Color	BLACK

Elapsed Time (min)		R Measured	Temp. (° C)	Composite Correction	R Corrected	N (%)	K Factor	Diameter (mm)	N' (%)
0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	37.0	39.0	25.3	5.74	33.3	90.9	0.01263	0.0281	89.2
5		36.0	25.3	5.74	30.3	82.7	0.01263	0.0182	81.1
16		22.5	25.3	5.74	16.8	45.8	0.01263	0.0112	44.9
32		18.0	25.3	5.74	12.3	33.5	0.01263	0.0082	32.9
74		17.0	23.8	6.23	10.8	29.4	0.01285	0.0055	28.9
250		15.5	23.8	6.23	9.3	25 3	0.01285	0.0030	24.8
1440		14.5	24.5	6.00	8.5	23.2	0.01275	0.0013	22.8

Soil Specimen Data		Other Corrections	
Tare No.	277		
Tare + Dry Material (gm)	142.53	a - Factor	0.99
Weight of Tare (gm)	101.3		
Weight of Deflocculant (gm)	5.0	Percent Finer than # 200	98.13
Weight of Dry Material (gm)	36.23		
		Specific Gravity	2.7 Assumed

Note: *Hydrometer test is performed on - # 200 sieve material.*

Tested By TO Date 08/26/03 Checked By RJO Date 9-19-03

DCN: GT-S3A DATE 1/20/03 REVISION: 5

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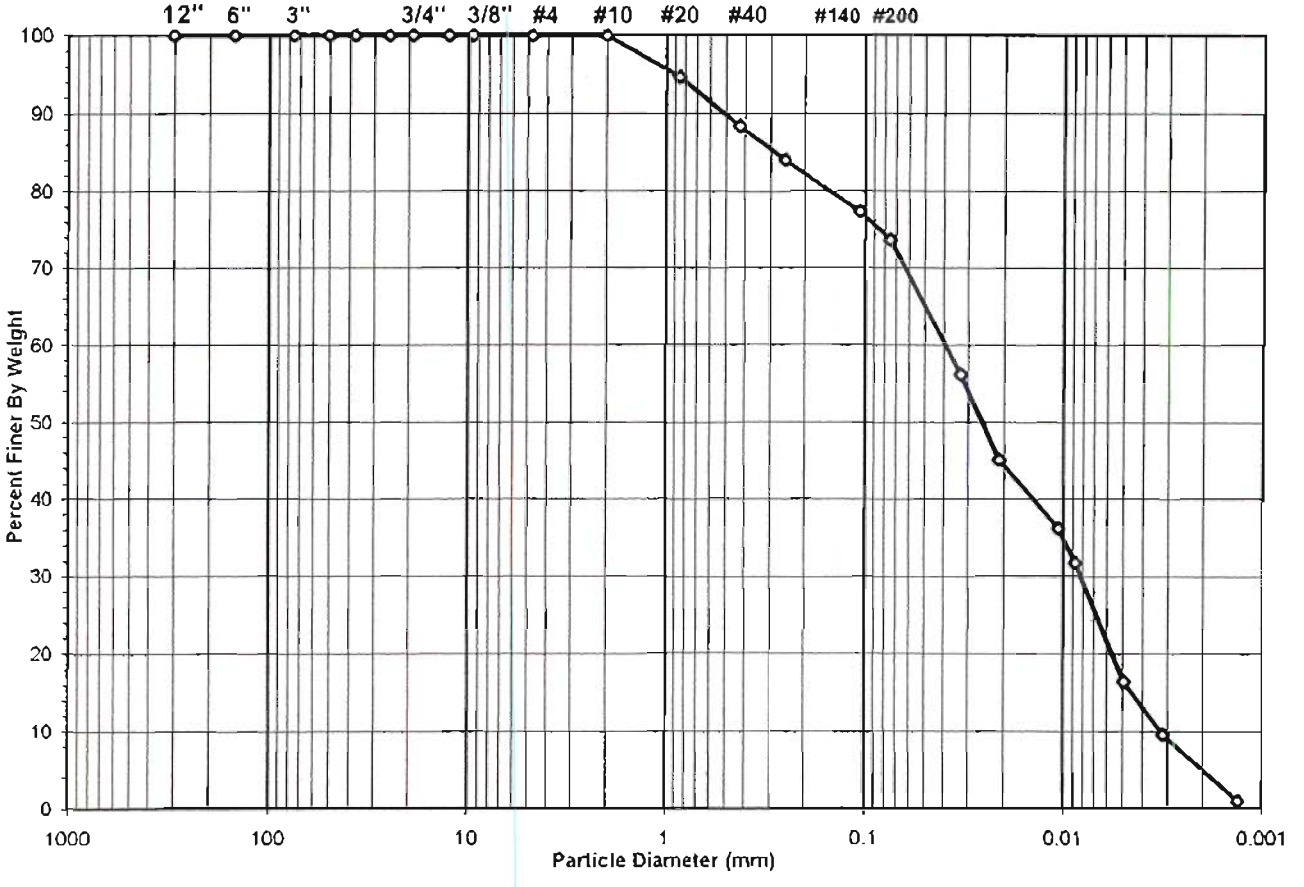
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.4-5.8
Project No.	2003-236-02	Sample No.	SLGT03-16
Lab ID	2003-236-02-31	Soil Color	BROWN

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	26.35
Finer Than #200	*Silt & Clay*	73.65

USCS Symbol	***MH, TESTED***
USCS Classification	***ELASTIC SILT WITH SAND***

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.4-5.8
Project No.	2003-236-02	Sample No.	SLGT03-16
Lab ID	2003-236-02-31	Soil Color	**BROWN**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	78	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	299.07	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	148.39	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	85.46	Weight of Tare (gm)	NA
Weight of Water (gm)	150.68	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	62.93	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**239.4**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	62.93
Dry Weight - 3/4" Sample (gm)	16.58	Weight of minus #200 material (gm)	46.35
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	16.58
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated **Percent Finer** (%)
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.5	0.00	0.00	0.00	100.00	**100.00**
3/8"	9.50	0.00	0.00	0.00	100.00	**100.00**
#4	4.75	0.00	0.00	0.00	100.00	**100.00**
#10	2.00	0.00	0.00	0.00	100.00	**100.00**
#20	0.85	3.33	5.29	5.29	94.71	**94.71**
#40	0.425	3.99	6.34	11.63	88.37	**88.37**
#60	0.250	2.72	4.32	15.95	84.05	**84.05**
#140	0.106	4.20	6.67	22.63	77.37	**77.37**
#200	0.075	2.34	3.72	26.35	73.65	**73.65**
Pan	-	46.35	73.65	100.00	-	-

Tested By JP Date 9/15/03 Checked By BHC Date 10.6.03

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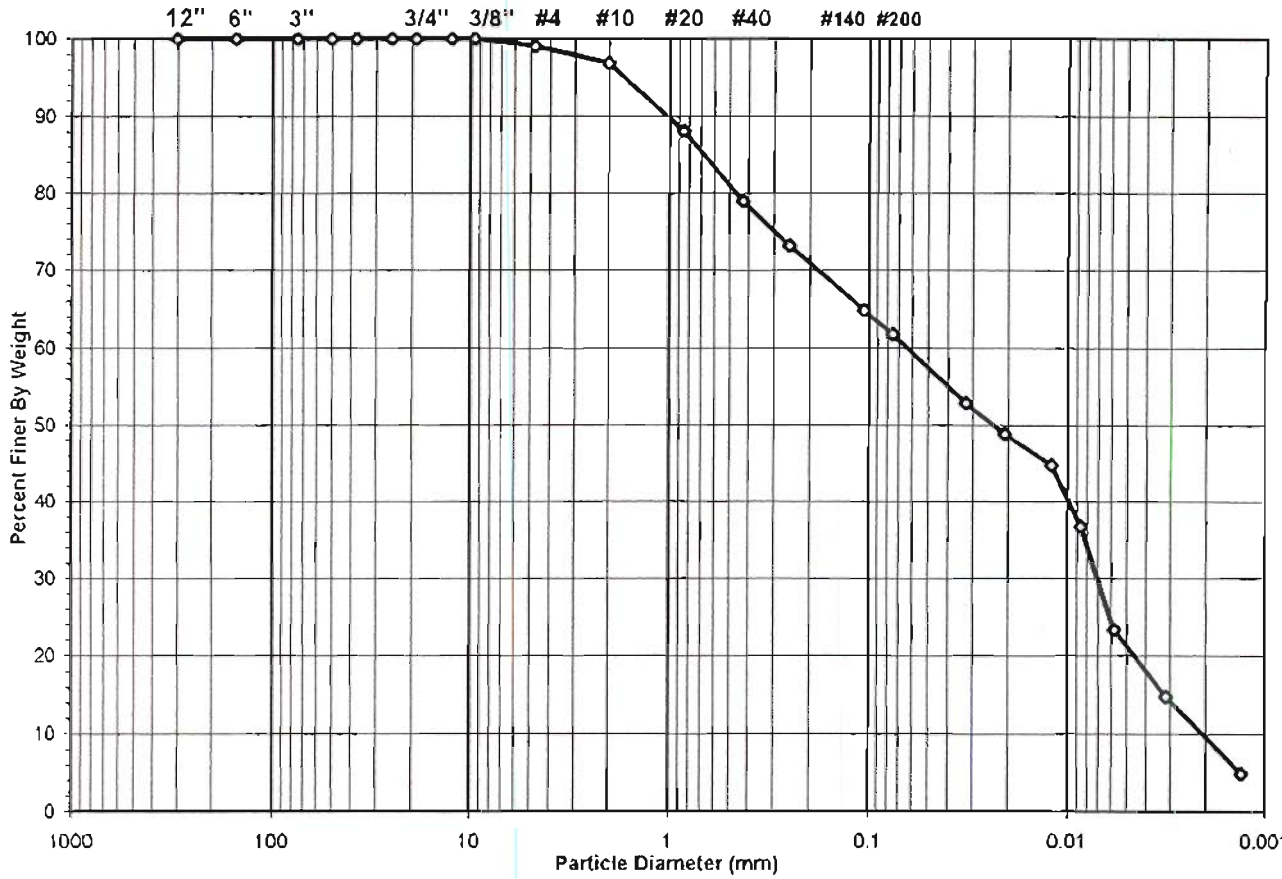
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-17
Lab ID	2003-236-02-32	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.99
#4 To #200	*Sand*	37.22
Finer Than #200	*Silt & Clay*	61.78
USCS Symbol	*MH, TESTED*	
USCS Classification	*SANDY ELASTIC SILT*	

DGN: CT-S3A DATE:1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-17
Lab ID	2003-236-02-32	Soil Color	**BLACK**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	673	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	260.52	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	142.27	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	100.04	Weight of Tare (gm)	NA
Weight of Water (gm)	118.25	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	42.23	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**280.0**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	42.23
Dry Weight - 3/4" Sample (gm)	16.14	Weight of minus #200 material (gm)	26.09
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	16.14
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.5	0.00	0.00	0.00	100.00	**100.00**
3/8"	9.50	0.00	0.00	0.00	100.00	**100.00**
#4	4.75	0.42	0.99	0.99	99.01	**99.01**
#10	2.00	0.90	2.13	3.13	96.87	**96.87**
#20	0.85	3.71	8.79	11.91	88.09	**88.09**
#40	0.425	3.88	9.19	21.10	78.90	**78.90**
#60	0.250	2.43	5.75	26.85	73.15	**73.15**
#140	0.106	3.52	8.34	35.19	64.81	**64.81**
#200	0.075	1.28	3.03	38.22	61.78	**61.78**
Pan	-	26.09	61.78	100.00	-	-

Tested By JP Date 9/15/03 Checked By BAE Date 10-6-03

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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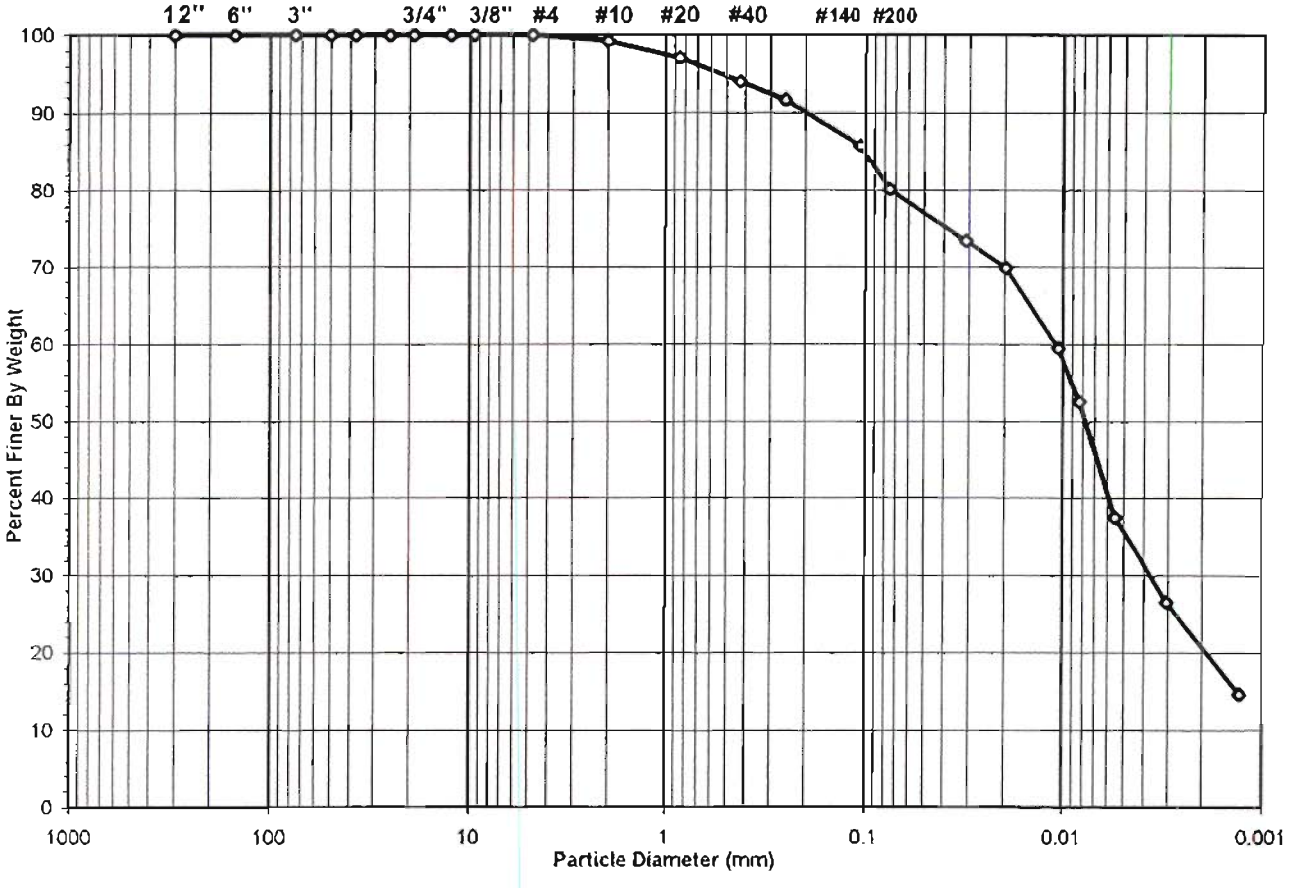
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-20
Lab ID	2003-236-02-39	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	19.89
Finer Than #200	*Silt & Clay*	80.11

USCS Symbol	*MH, TESTED*
USCS Classification	*ELASTIC SILT WITH SAND*

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-20
Lab ID	2003-236-02-39	Soil Color	**BLACK**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	277	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	276.92	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	161.44	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	101.12	Weight of Tare (gm)	NA
Weight of Water (gm)	115.48	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	60.32	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**191.4**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	60.32
Dry Weight - 3/4" Sample (gm)	12.00	Weight of minus #200 material (gm)	48.32
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	12.00
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.5	0.00	0.00	0.00	100.00	**100.00**
3/8"	9.50	0.00	0.00	0.00	100.00	**100.00**
#4	4.75	0.00	0.00	0.00	100.00	**100.00**
#10	2.00	0.43	0.71	0.71	99.29	**99.29**
#20	0.85	1.30	2.16	2.87	97.13	**97.13**
#40	0.425	1.89	3.13	6.00	94.00	**94.00**
#60	0.250	1.41	2.34	8.34	91.66	**91.66**
#140	0.106	3.57	5.92	14.26	85.74	**85.74**
#200	0.075	3.40	5.64	19.89	80.11	**80.11**
Pan	-	48.32	80.11	100.00	-	-

Tested By JP Date 9/15/03 Checked By [illegible] Date 10-3-03

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

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Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2-4
Project No.	2003-236-02	Sample No.	SLGT03-20
Lab ID	2003-236-02-40	Soil Color	**BLACK**

	SIEVE ANALYSIS			*HYDROMETER*	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay

USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	5.26
Finer Than #200	*Silt & Clay*	94.74

USCS Symbol	*MH, TESTED*
USCS Classification	*ELASTIC SILT*

DCN: CT-S3A DATE:1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	2-4
Project No.	2003-236-02	Sample No.	SLGT03-20
Lab ID	2003-236-02-40	Soil Color	**BLACK**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	675	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	324.31	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	180.34	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	98.62	Weight of Tare (gm)	NA
Weight of Water (gm)	143.97	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	81.72	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**176.2**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	81.72
Dry Weight - 3/4" Sample (gm)	4.30	Weight of minus #200 material (gm)	77.42
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	4.30
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.5	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.00	0.00	0.00	100.00	100.00
#10	2.00	0.00	0.00	0.00	100.00	100.00
#20	0.85	0.20	0.24	0.24	99.76	99.76
#40	0.425	0.80	0.98	1.22	98.78	98.78
#60	0.250	0.49	0.60	1.82	98.18	98.18
#140	0.106	1.36	1.66	3.49	96.51	96.51
#200	0.075	1.45	1.77	5.26	94.74	94.74
Pan	-	77.42	94.74	100.00	-	-

Tested By JP Date 9/15/03 Checked By RJD Date 10-3-03

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SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	3.4-3.8
Project No.	2003-236-02	Sample No.	SLGT03-23
Lab ID	2003-236-02-49	Soil Color	BROWN

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay

USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	3.45
Finer Than #200	*Silt & Clay*	96.55

USCS Symbol	*MH, TESTED*
USCS Classification	*ELASTIC SILT*

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	3.4-3.8
Project No.	2003-236-02	Sample No.	SLGT03-23
Lab ID	2003-236-02-49	Soil Color	**BROWN**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	1739	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	212.80	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	122.08	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	83.83	Weight of Tare (gm)	NA
Weight of Water (gm)	90.72	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	38.25	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**237.2**	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	38.25
Dry Weight - 3/4" Sample (gm)	1.32	Weight of minus #200 material (gm)	36.93
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	1.32
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.5	0.00	0.00	0.00	100.00	**100.00**
3/8"	9.50	0.00	0.00	0.00	100.00	**100.00**
#4	4.75	0.00	0.00	0.00	100.00	**100.00**
#10	2.00	0.06	0.16	0.16	99.84	**99.84**
#20	0.85	0.09	0.24	0.39	99.61	**99.61**
#40	0.425	0.22	0.58	0.97	99.03	**99.03**
#60	0.250	0.22	0.58	1.54	98.46	**98.46**
#140	0.106	0.45	1.18	2.72	97.28	**97.28**
#200	0.075	0.28	0.73	3.45	96.55	**96.55**
Pan	-	36.93	96.55	100.00	-	-

Tested By JP Date 9/22/03 Checked By RC Date 10.6.03

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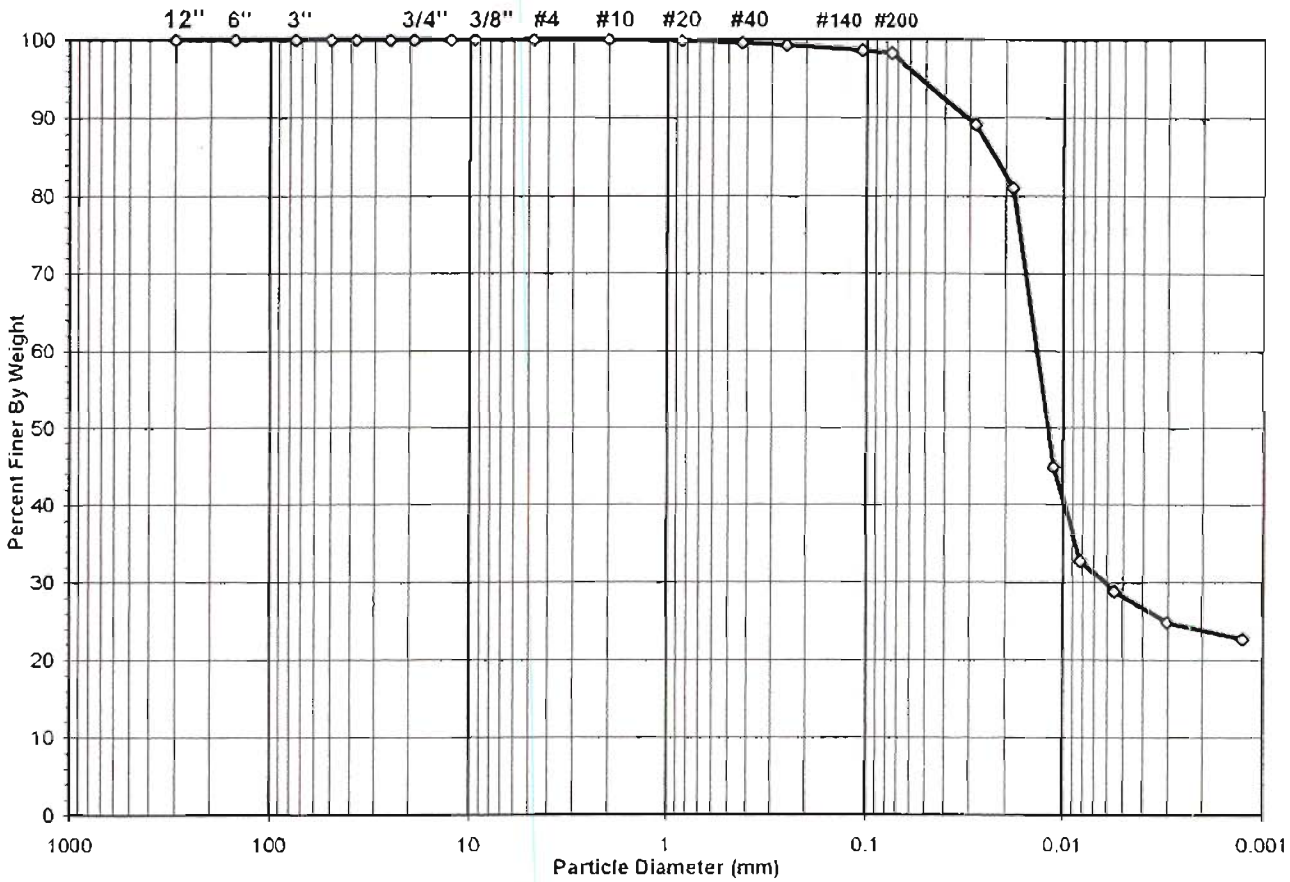
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-01	Sample No.	SLGT03-24
Lab ID	2003-236-01-28	Soil Color	BLACK

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.00
#4 To #200	*Sand*	1.87
Finer Than #200	*Silt & Clay*	98.13

USCS Symbol	*ML, TESTED (NON-PLASTIC FINES)*
USCS Classification	*SILT (SLUDGE)*

DCN CT-S3A DATE 1/20/03 REVISION. 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND,BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-01	Sample No.	SLGT03-24
Lab ID	2003-236-01-28	Soil Color	BLACK

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	2467	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	357.51	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	175.56	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	96.41	Weight of Tare (gm)	NA
Weight of Water (gm)	181.95	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	79.15	Weight of Dry Soil (gm)	NA
Moisture Content (%)	229.9	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	79.15
Dry Weight - 3/4" Sample (gm)	1.48	Weight of minus #200 material (gm)	77.67
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	1.48
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.5	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	0.00	0.00	0.00	100.00	100.00
#10	2.00	0.00	0.00	0.00	100.00	100.00
#20	0.85	0.15	0.19	0.19	99.81	99.81
#40	0.425	0.20	0.25	0.44	99.56	99.56
#60	0.250	0.20	0.25	0.69	99.31	99.31
#140	0.106	0.52	0.66	1.35	98.65	98.65
#200	0.075	0.41	0.52	1.87	98.13	98.13
Pan	-	77.67	98.13	100.00	-	-

Tested By JP Date 08/28/03 Checked By RJO Date 9-19-03

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SIEVE ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.3-5.8
Project No.	2003-236-01	Sample No.	SLGT03-24
Lab ID	2003-236-01-30	Soil Color	**BLACKISH BROWN**

	SIEVE ANALYSIS		*HYDROMETER*
USCS	gravel	sand	silt and clay

USCS Symbol *CH, TESTED*
(UNABLE TO RUN HYDROMETER)
USCS Classification *SANDY FAT CLAY*

Tested By JP Date 9/3/03 Checked By JAM Date 10/10/03

DCN: GT-S3C DATE 6-26-98 REVISION: 2
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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	5.3-5.8
Project No.	2003-236-01	Sample No.	SLGT03-24
Lab ID	2003-236-01-30	Soil Color	**BLACKISH BROWN**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	1084	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	408.97	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	138.36	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	97.99	Weight of Tare (gm)	NA
Weight of Water (gm)	270.61	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	40.37	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**670.3**	**Moisture Content (%)**	**NA**

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	40.37
Dry Weight - 3/4" Sample (gm)	14.8	Weight of minus #200 material (gm)	25.59
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	14.78
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	**100.00**
6"	150	0.00	0.00	0.00	100.00	**100.00**
3"	75	0.00	0.00	0.00	100.00	**100.00**
2"	50	0.00	0.00	0.00	100.00	**100.00**
1 1/2"	37.5	0.00	0.00	0.00	100.00	**100.00**
1"	25.0	0.00	0.00	0.00	100.00	**100.00**
3/4"	19.0	0.00	0.00	0.00	100.00	**100.00**
1/2"	12.50	0.00	0.00	0.00	100.00	**100.00**
3/8"	9.50	0.00	0.00	0.00	100.00	**100.00**
#4	4.75	0.00	0.00	0.00	100.00	**100.00**
#10	2.00	0.00	0.00	0.00	100.00	**100.00**
#20	0.850	0.39	0.97	0.97	99.03	**99.03**
#40	0.425	1.98	4.90	5.87	94.13	**94.13**
#60	0.250	4.54	11.25	17.12	82.88	**82.88**
#140	0.106	6.32	15.66	32.77	67.23	**67.23**
#200	0.075	1.55	3.84	36.61	63.39	**63.39**
Pan	-	25.59	63.39	100.00	-	-

Tested By JP Date 9/3/03 Checked By JMO Date 10/10/03

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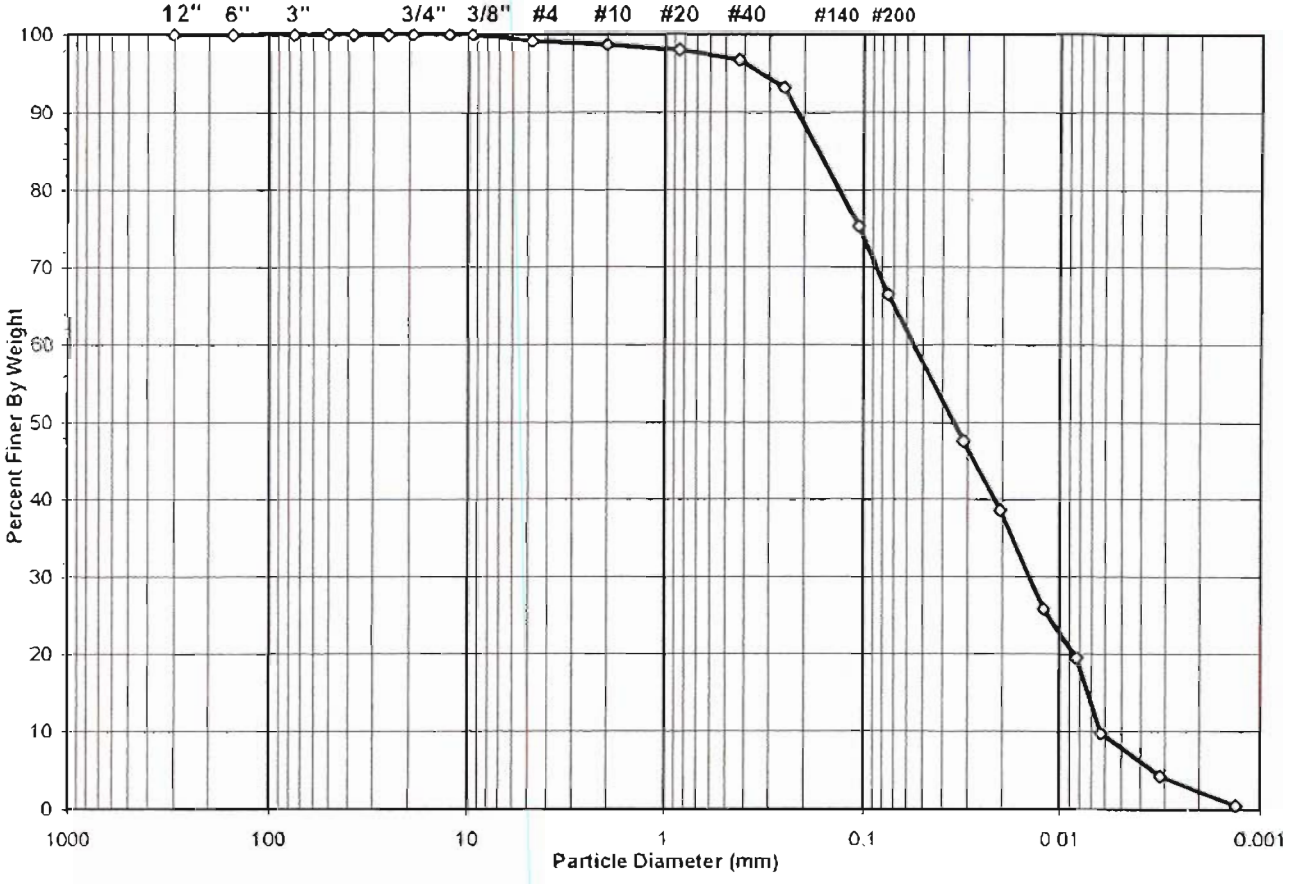
SIEVE AND HYDROMETER ANALYSIS
ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-25
Lab ID	2003-236-02-51	Soil Color	DARK GRAY

	SIEVE ANALYSIS			HYDROMETER	
USCS	cobbles	gravel	sand	silt and clay fraction	
USDA	cobbles	gravel	sand	silt	clay



USCS Summary		
Sieve Sizes (mm)		Percentage
Greater Than #4	*Gravel*	0.77
#4 To #200	*Sand*	32.70
Finer Than #200	*Silt & Clay*	66.52

USCS Symbol *ML, TESTED*

USCS Classification *SANDY SILT (NON-PLASTIC FINES) (MARL)*

DCN: GT-S3A DATE: 1/20/03 REVISION: 5

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WASH SIEVE ANALYSIS

ASTM D 422-63/AASHTO T88-00 (SOP-S3)

Client	BLASLAND, BOUCK, & LEE	Boring No.	NA
Client Reference	SILVER LAKE 401.52.009	Depth (ft)	1.4-1.8
Project No.	2003-236-02	Sample No.	SLGT03-25
Lab ID	2003-236-02-51	Soil Color	DARK GRAY

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	560	Tare No.	NA
Wgt.Tare + Wet Specimen (gm)	540.65	Wgt.Tare + Wet Specimen (gm)	NA
Wgt.Tare + Dry Specimen (gm)	402.99	Wgt.Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	82.59	Weight of Tare (gm)	NA
Weight of Water (gm)	137.66	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	320.40	Weight of Dry Soil (gm)	NA
Moisture Content (%)	**43.0**	**Moisture Content (%)**	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	320.40
Dry Weight - 3/4" Sample (gm)	107.26	Weight of minus #200 material (gm)	213.14
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	107.26
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt.of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.00	0.00	100.00	100.00
6"	150	0.00	0.00	0.00	100.00	100.00
3"	75	0.00	0.00	0.00	100.00	100.00
2"	50	0.00	0.00	0.00	100.00	100.00
1 1/2"	37.5	0.00	0.00	0.00	100.00	100.00
1"	25.0	0.00	0.00	0.00	100.00	100.00
3/4"	19.0	0.00	0.00	0.00	100.00	100.00
1/2"	12.5	0.00	0.00	0.00	100.00	100.00
3/8"	9.50	0.00	0.00	0.00	100.00	100.00
#4	4.75	2.48	0.77	0.77	99.23	99.23
#10	2.00	1.53	0.48	1.25	98.75	98.75
#20	0.85	2.36	0.74	1.99	98.01	98.01
#40	0.425	3.93	1.23	3.21	96.79	96.79
#60	0.250	11.36	3.55	6.76	93.24	93.24
#140	0.106	57.38	17.91	24.67	75.33	75.33
#200	0.075	28.22	8.81	33.48	66.52	66.52
Pan	-	213.14	66.52	100.00	-	-

Tested By JP Date 09/22/03 Checked By [signature] Date 10.6.03

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Appendix E

Hydraulic Conductivity Data

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APPENDIX E
HYDRAULIC CONDUCTIVITY TEST DATA

PRE-DESIGN INVESTIGATION REPORT FOR SILVER LAKE SEDIMENTS
GENERAL ELECTRIC COMPANY – PITTSFIELD, MASSACHUSETTS

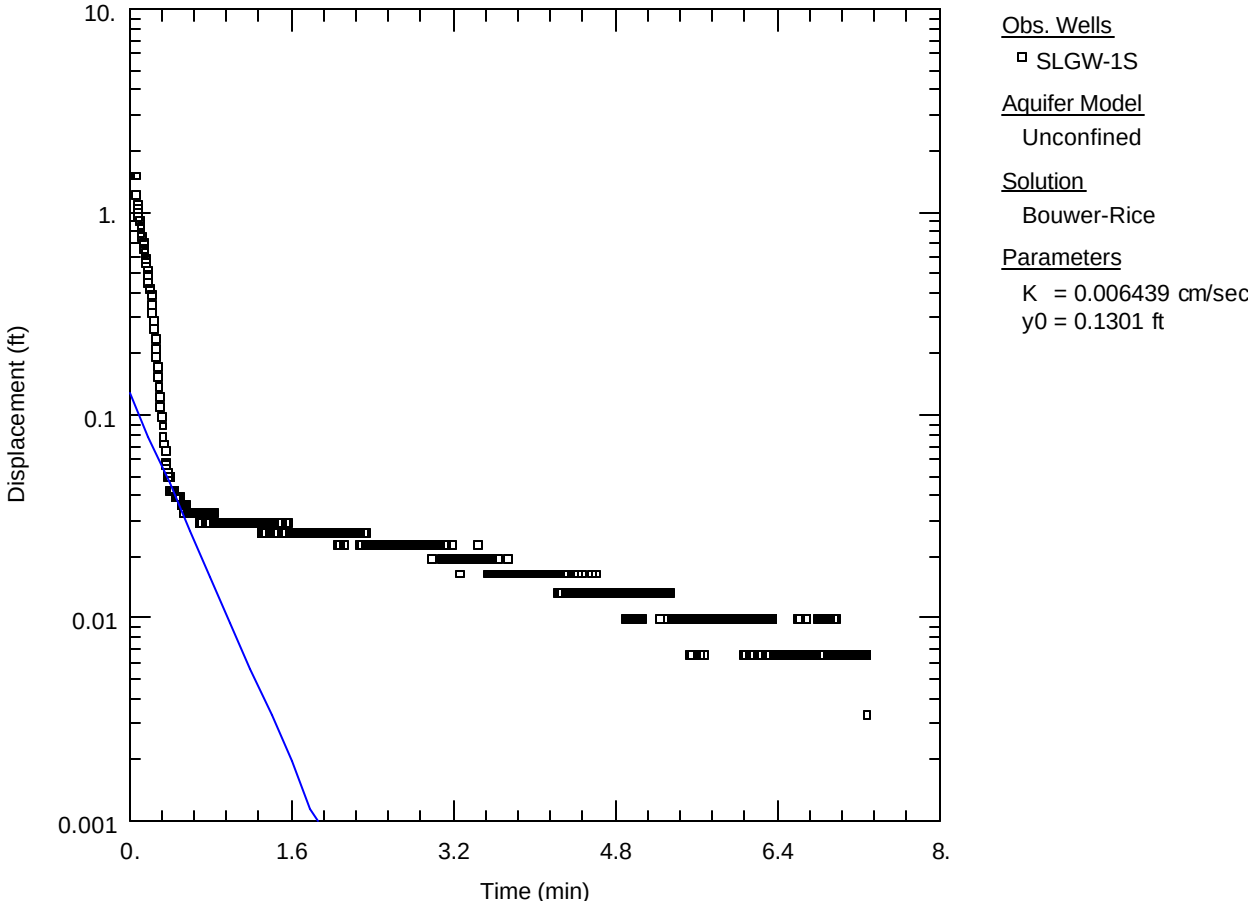

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-1S.

APPENDIX E
HYDRAULIC CONDUCTIVITY TEST DATA

PRE-DESIGN INVESTIGATION REPORT FOR SILVER LAKE SEDIMENTS
GENERAL ELECTRIC COMPANY – PITTSFIELD, MASSACHUSETTS

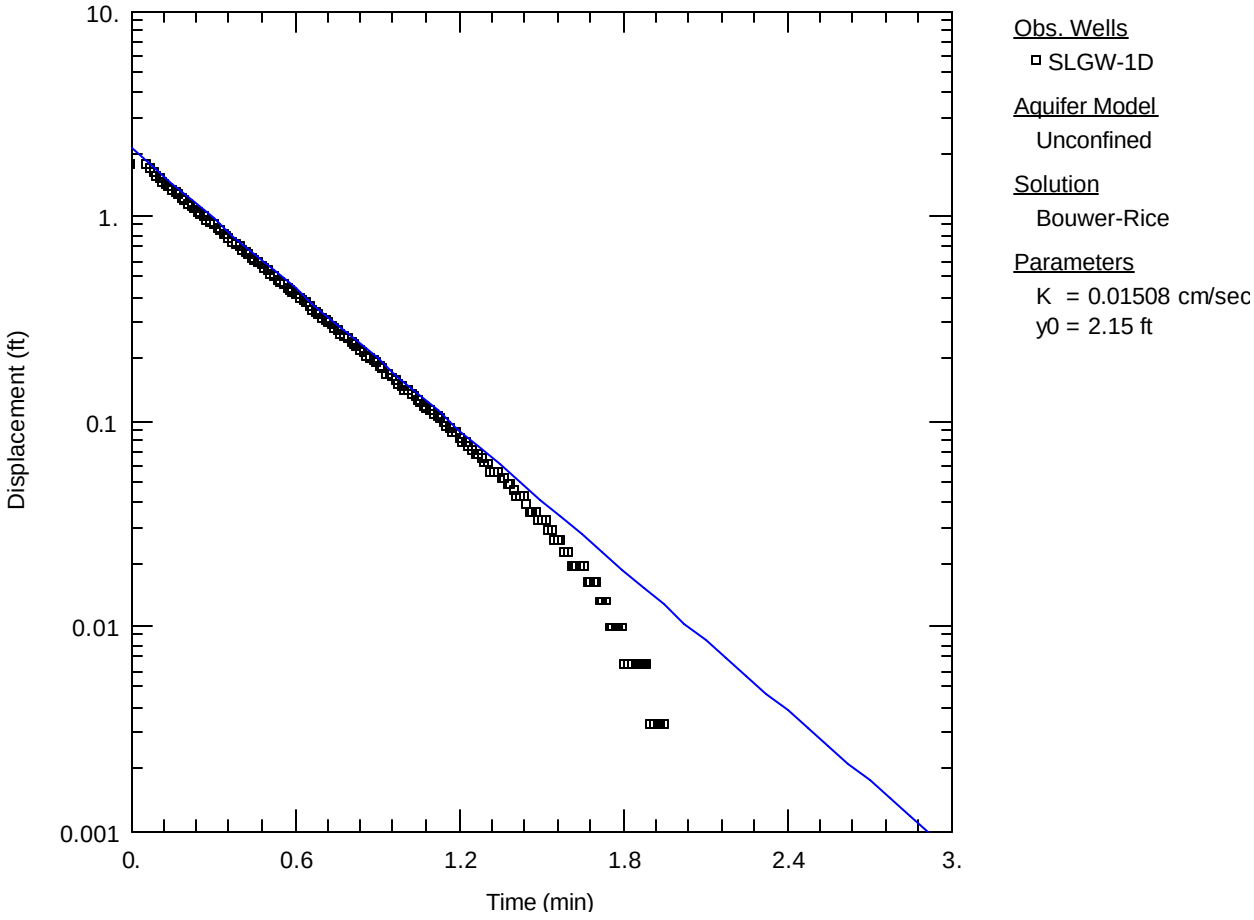

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-1D.

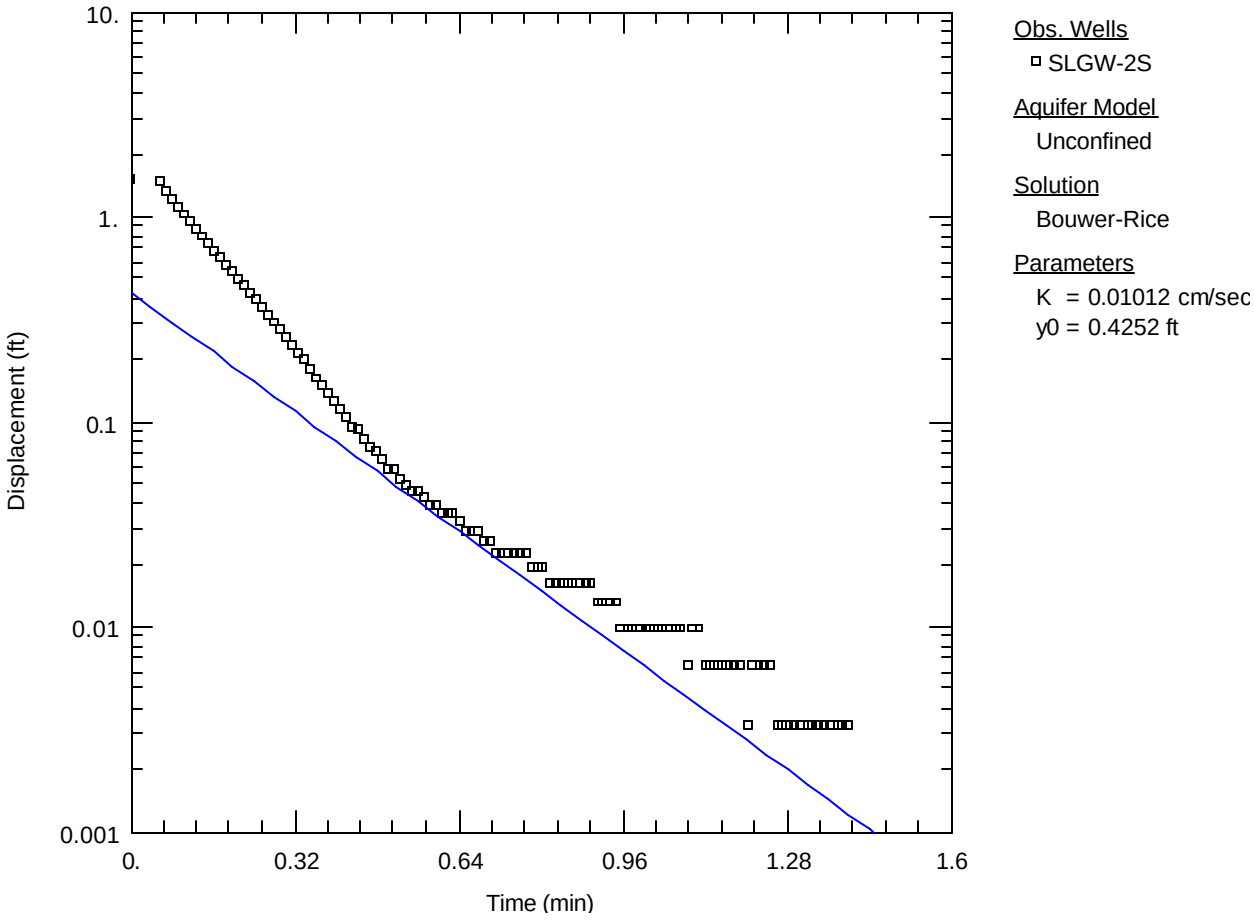

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-2S.

APPENDIX E
HYDRAULIC CONDUCTIVITY TEST DATA

PRE-DESIGN INVESTIGATION REPORT FOR SILVER LAKE SEDIMENTS
GENERAL ELECTRIC COMPANY – PITTSFIELD, MASSACHUSETTS

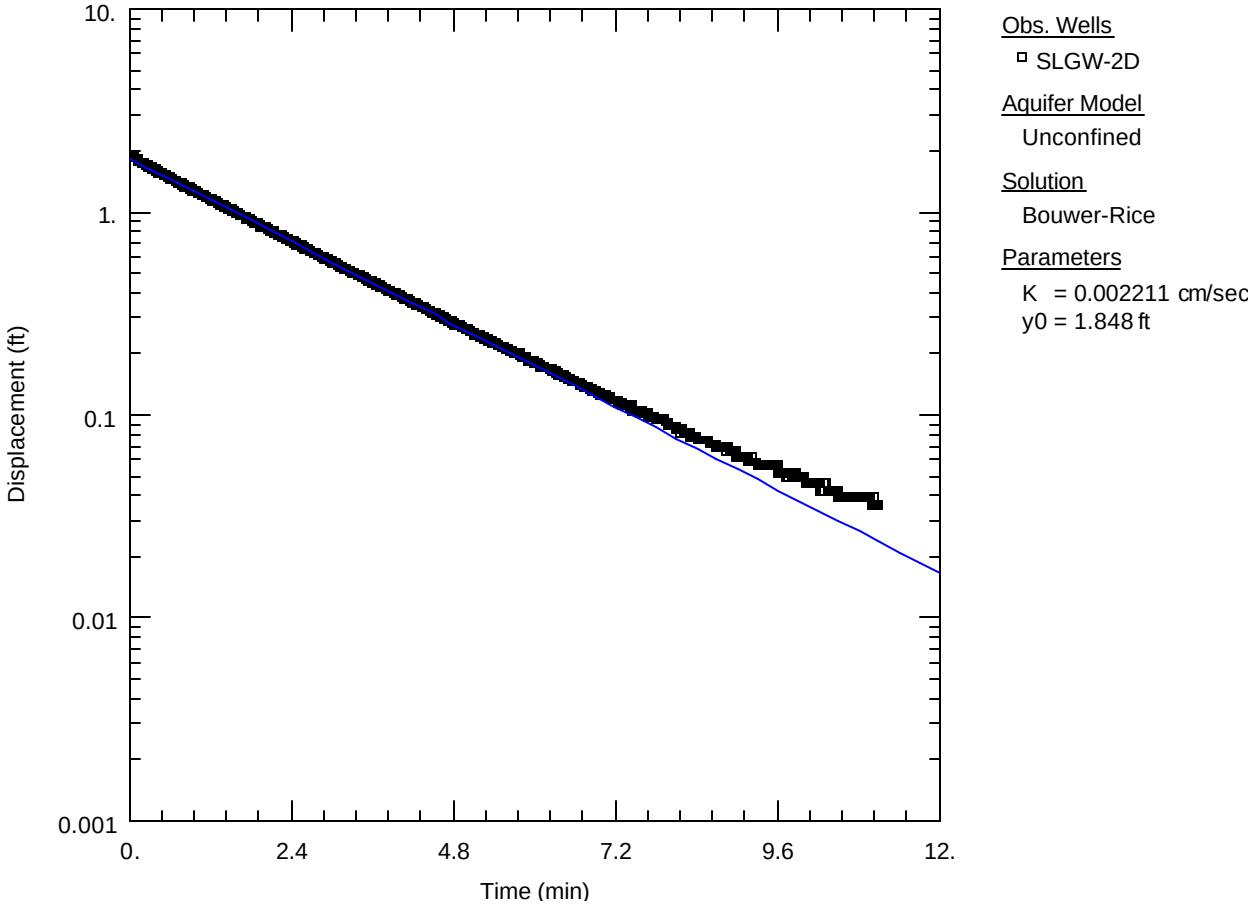

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-2D.

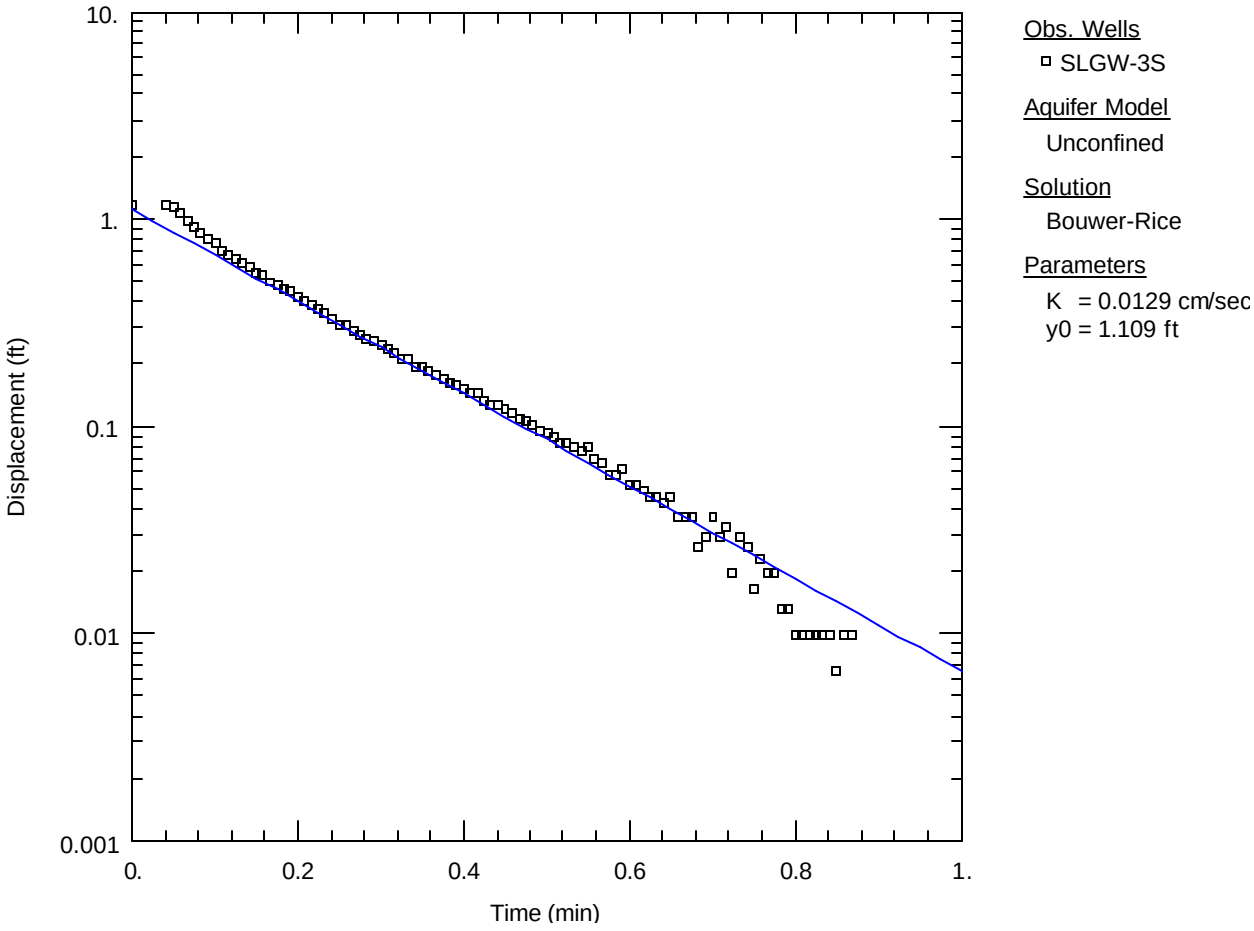

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-3S.

APPENDIX E
HYDRAULIC CONDUCTIVITY TEST DATA

PRE-DESIGN INVESTIGATION REPORT FOR SILVER LAKE SEDIMENTS
GENERAL ELECTRIC COMPANY – PITTSFIELD, MASSACHUSETTS

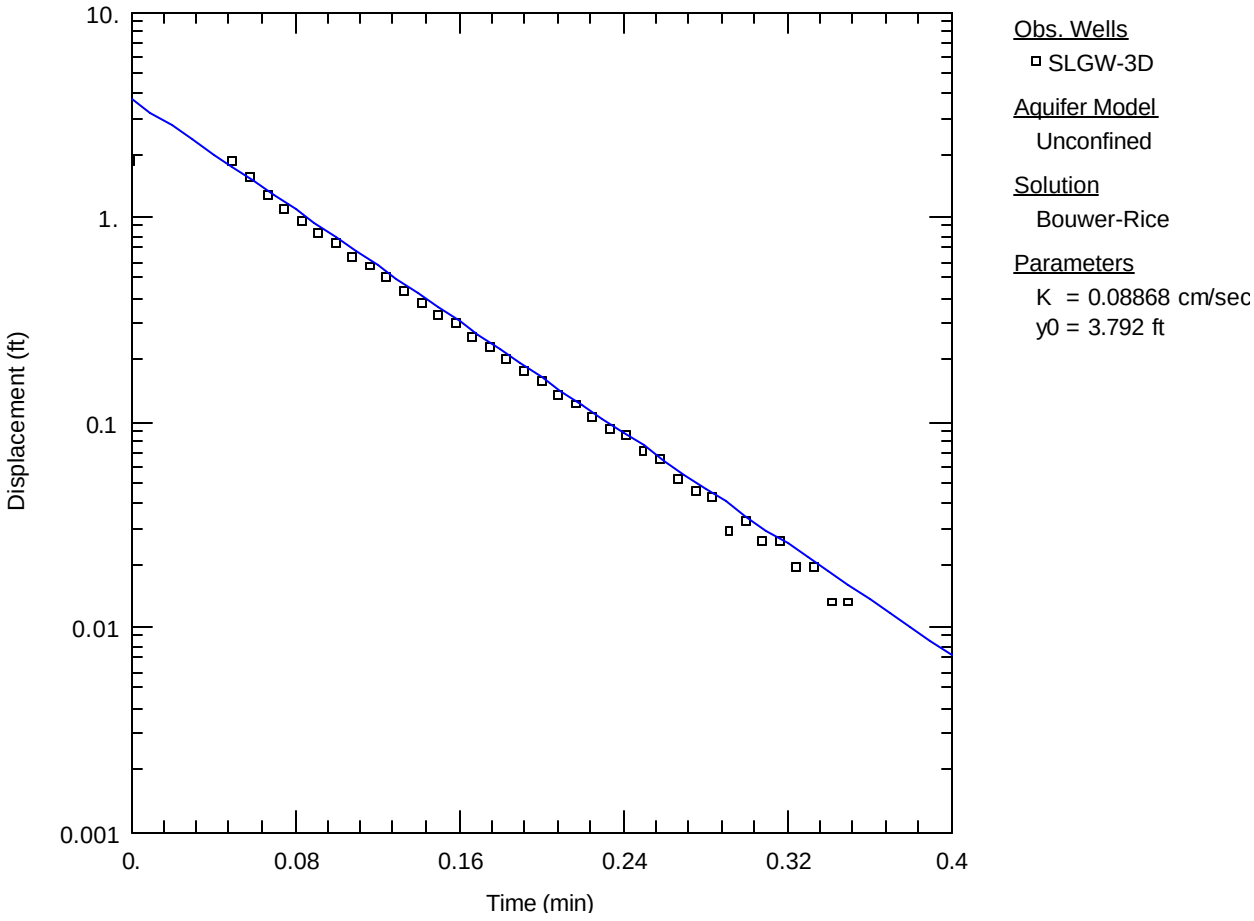

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-3D.

APPENDIX E
HYDRAULIC CONDUCTIVITY TEST DATA

PRE-DESIGN INVESTIGATION REPORT FOR SILVER LAKE SEDIMENTS
GENERAL ELECTRIC COMPANY – PITTSFIELD, MASSACHUSETTS

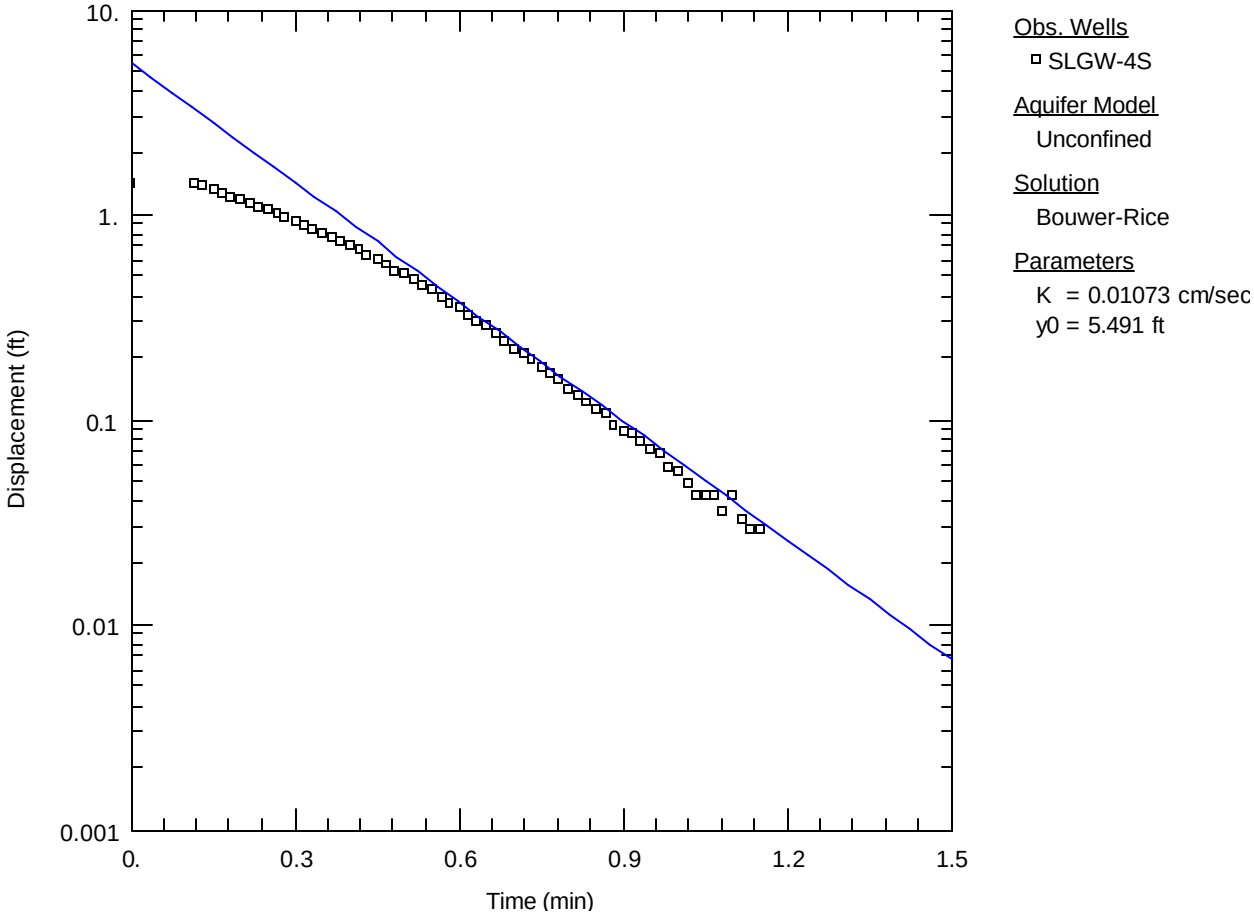

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-4S.

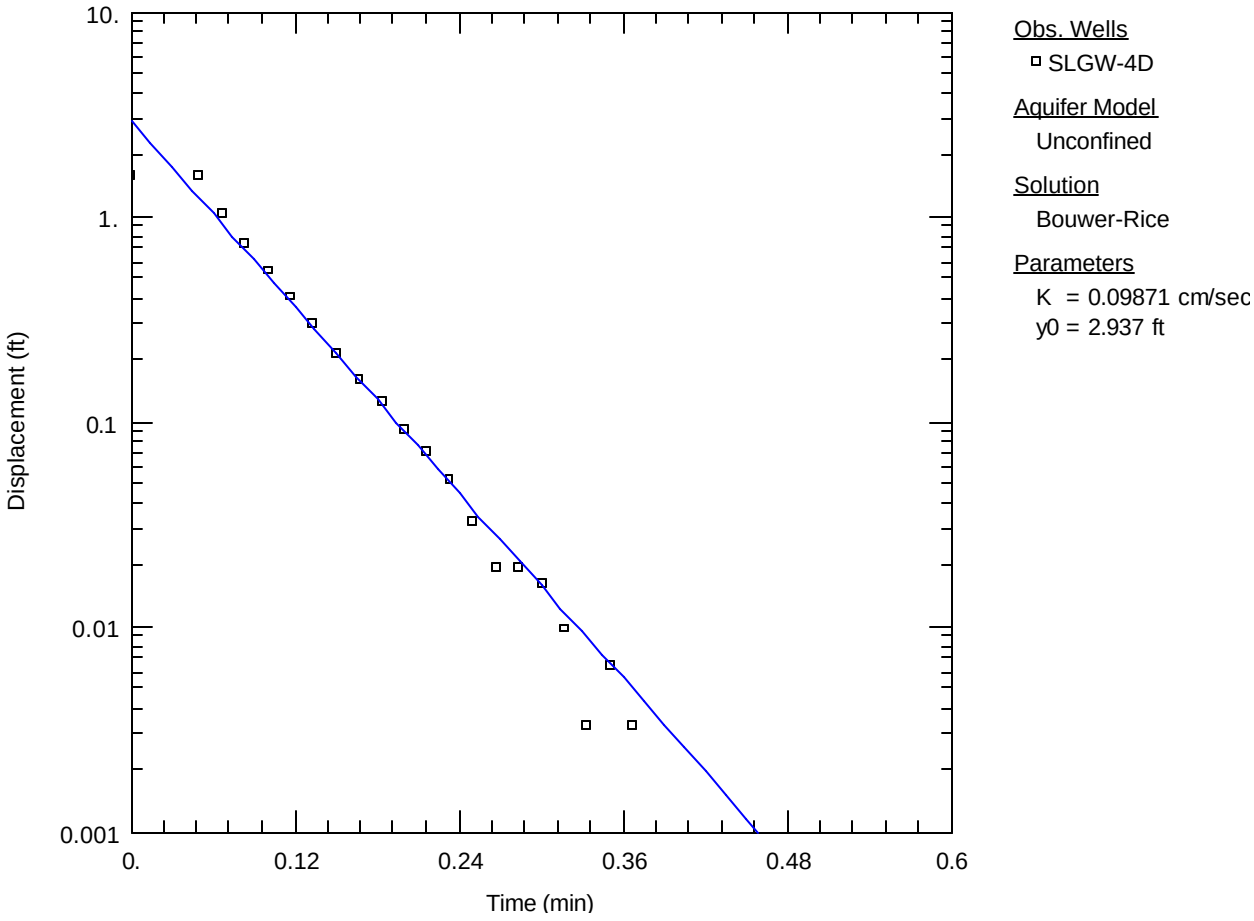

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-4D.

APPENDIX E
HYDRAULIC CONDUCTIVITY TEST DATA

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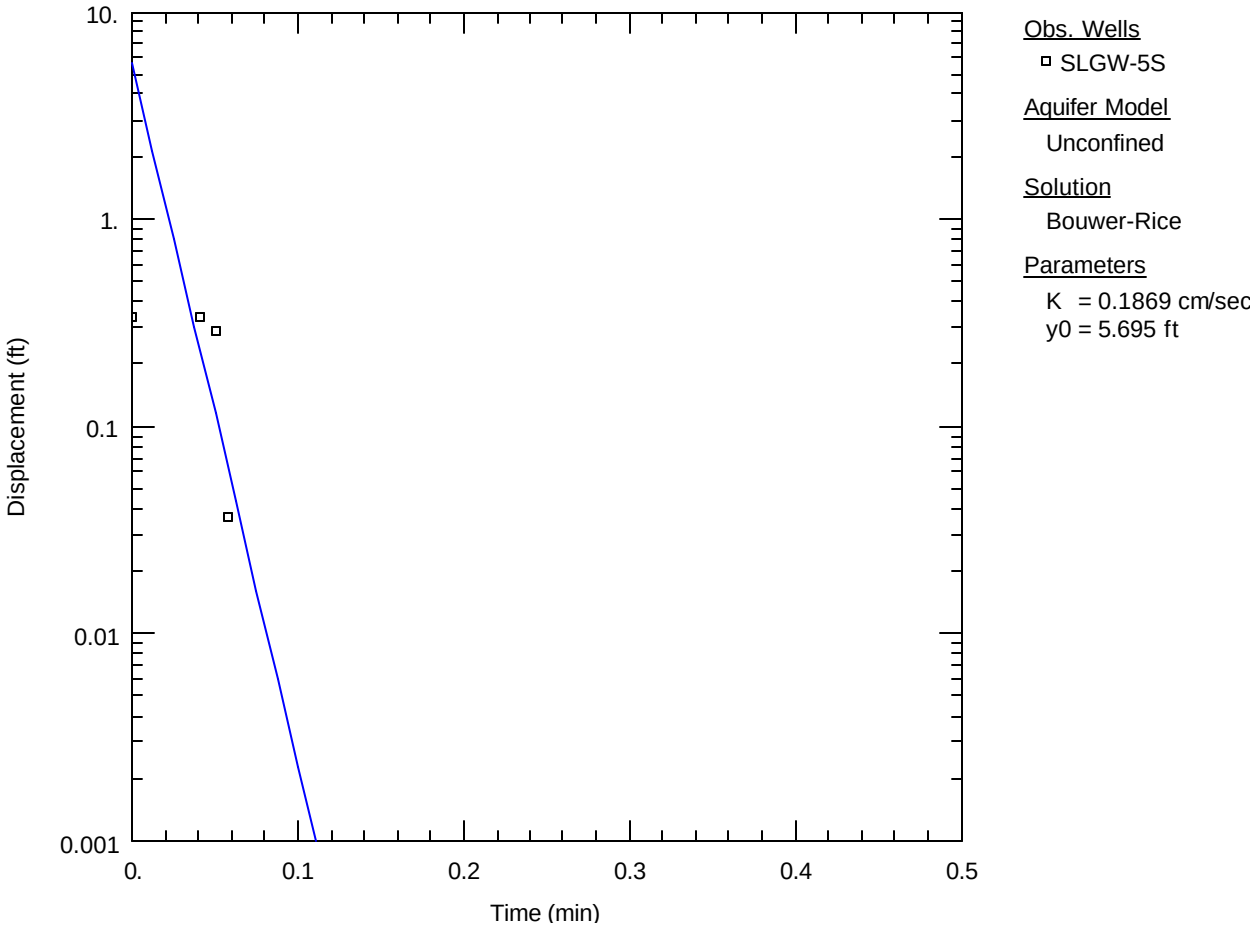

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-5S.

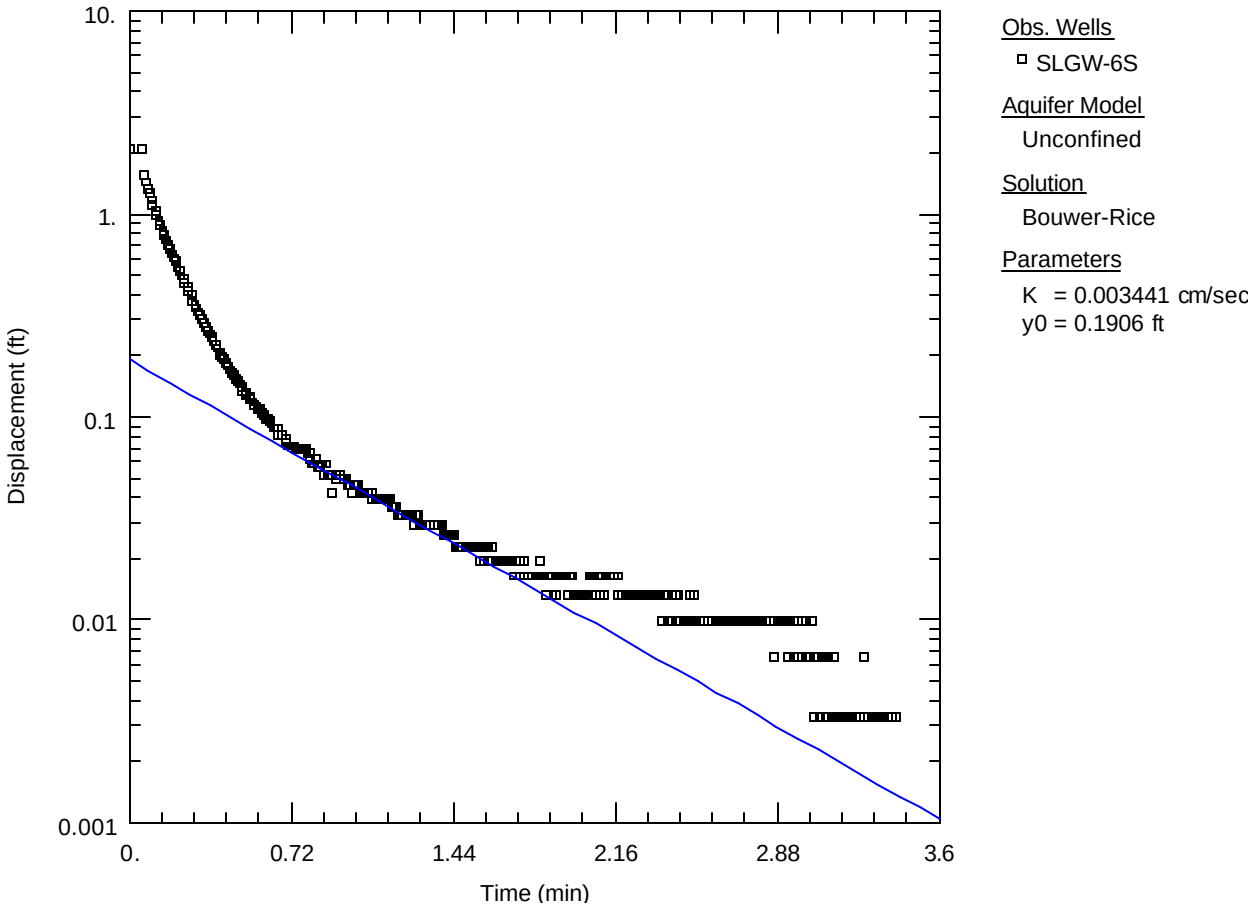

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-6S.

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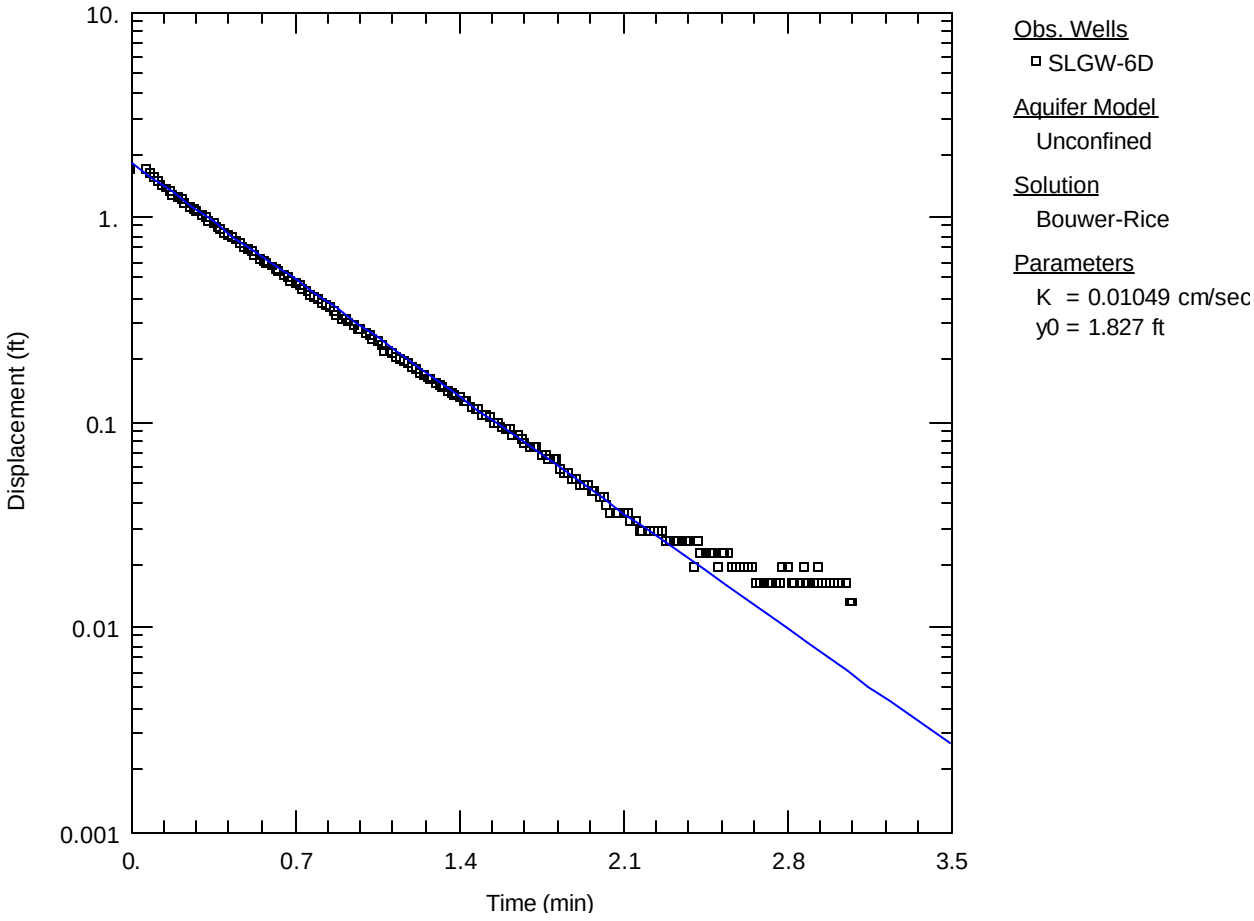

Figure #. Curve matching and calculation for hydraulic conductivity for monitoring well SLGW-6D.

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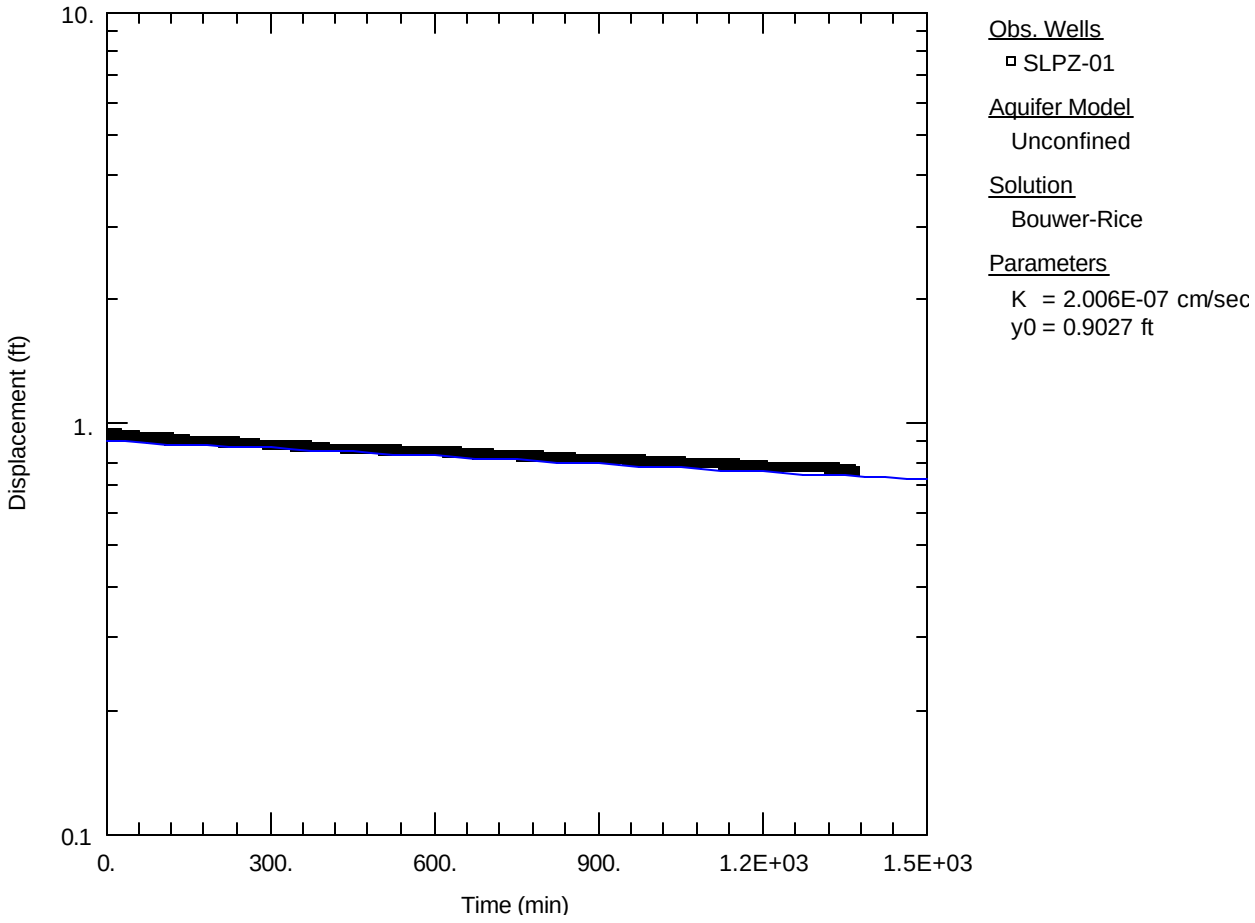

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-01.

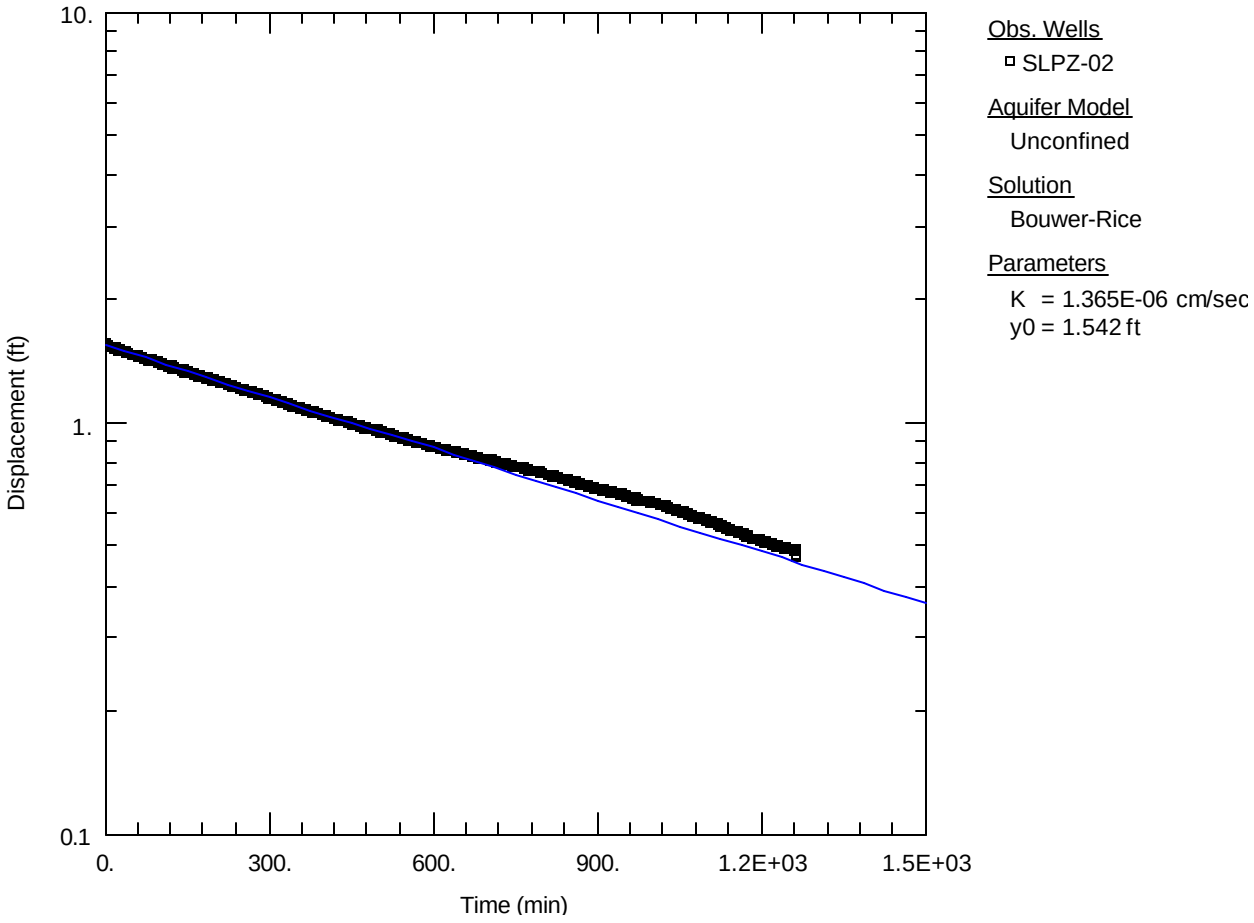

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-02.

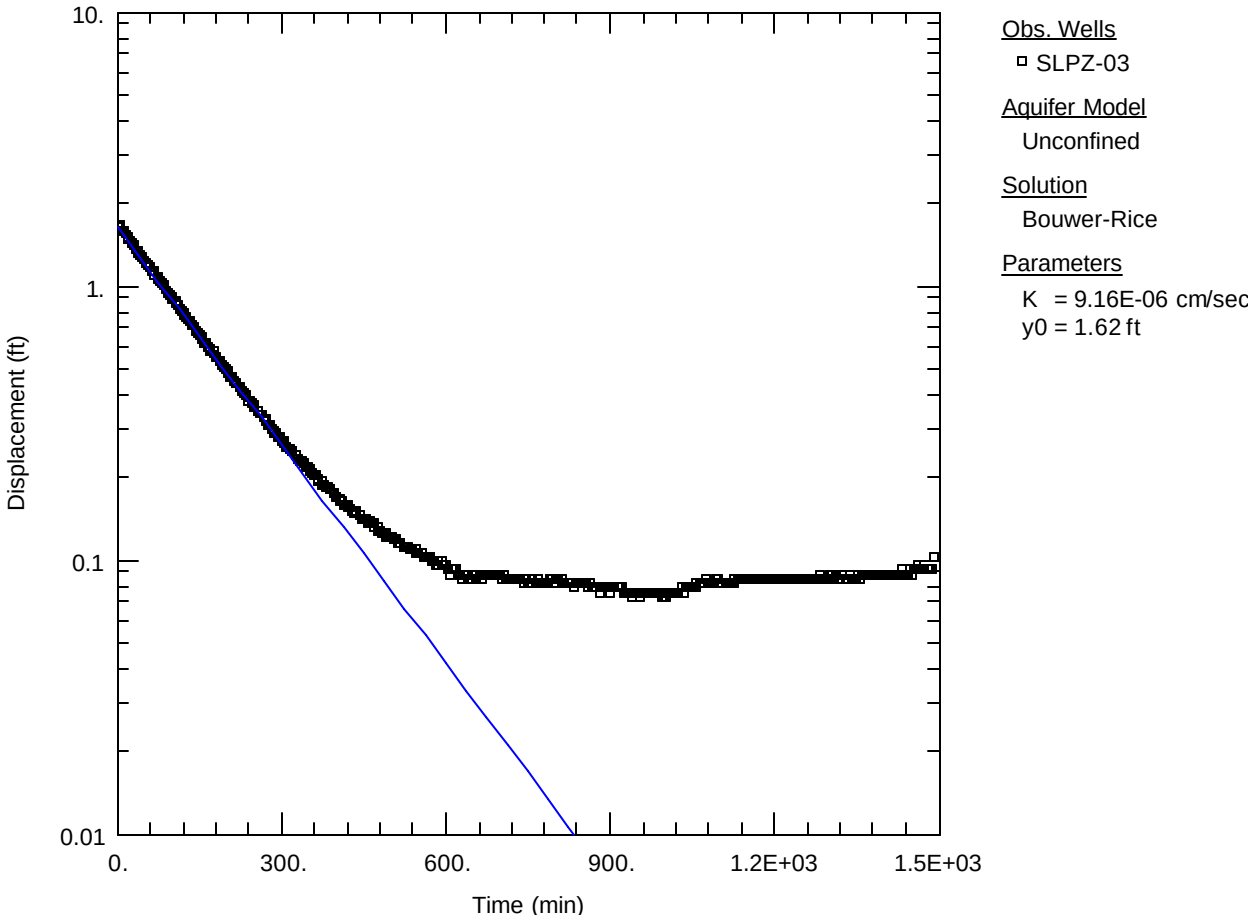

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-03.

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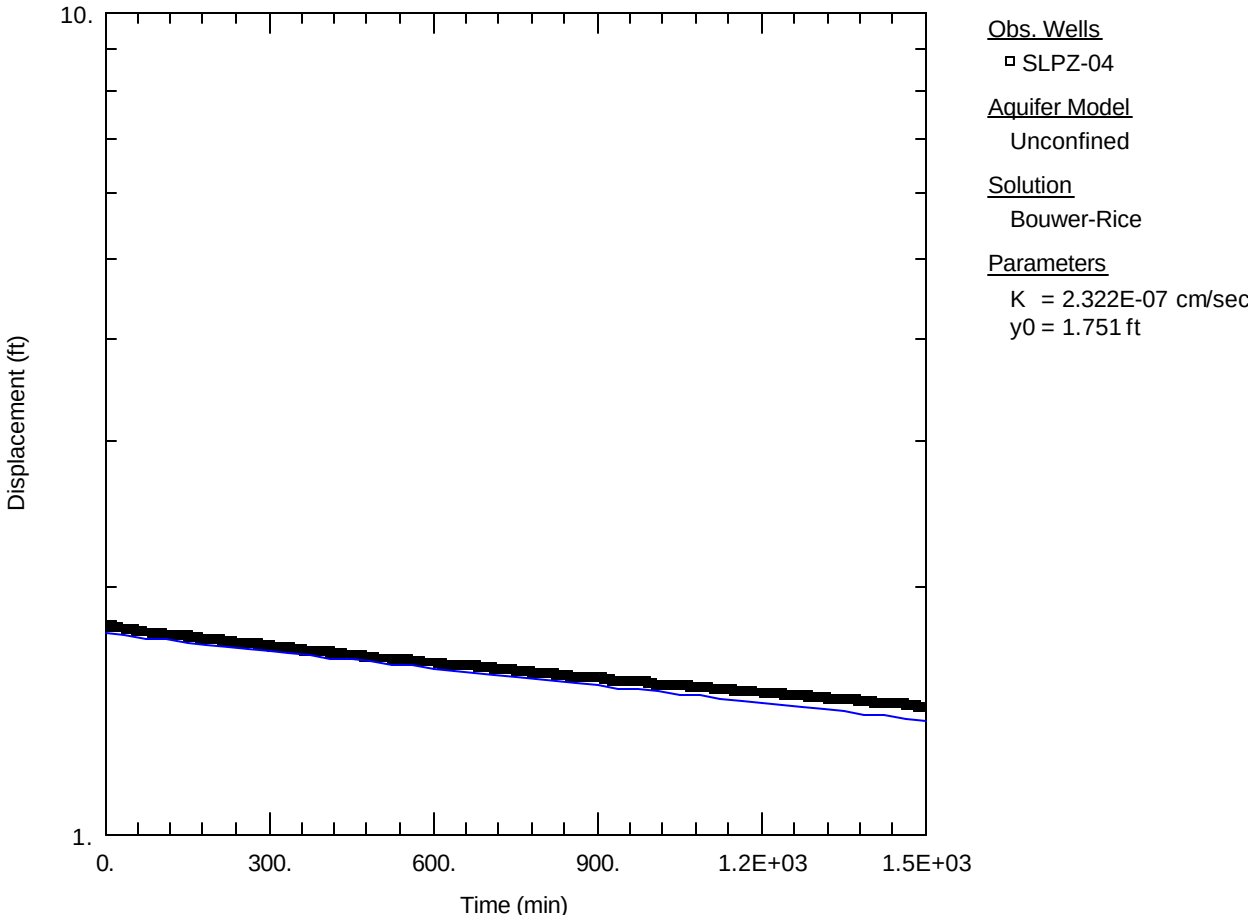

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-04.

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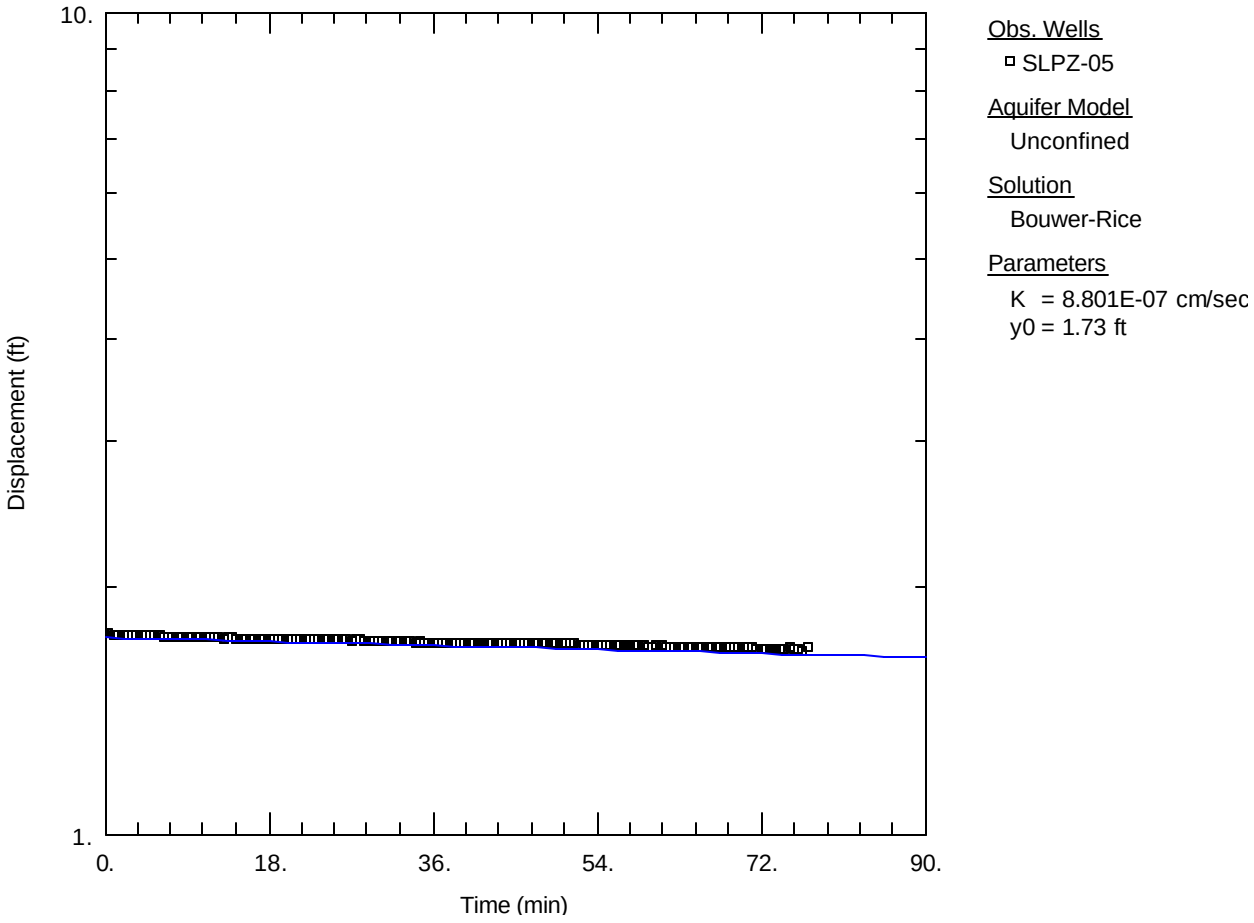

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-05.

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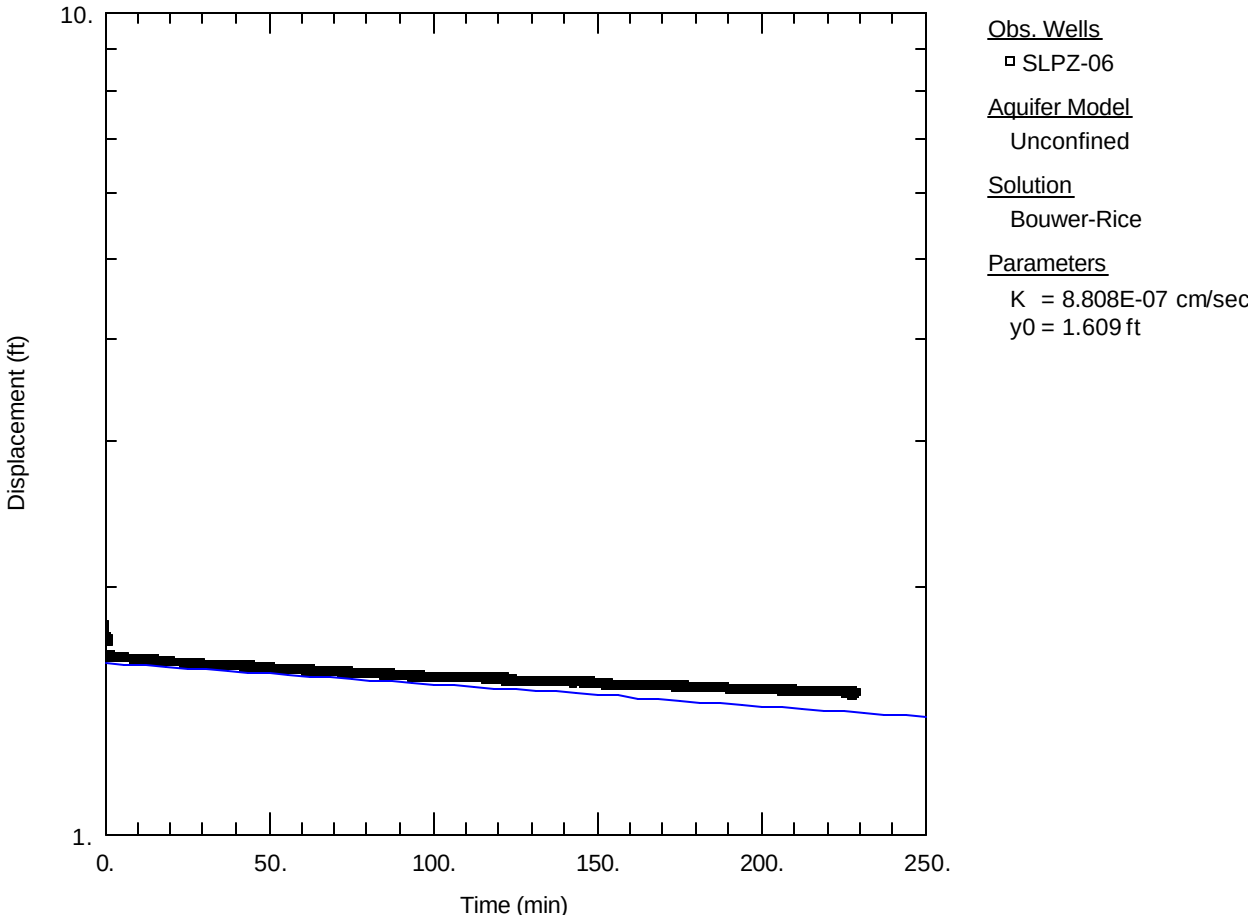

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-06.

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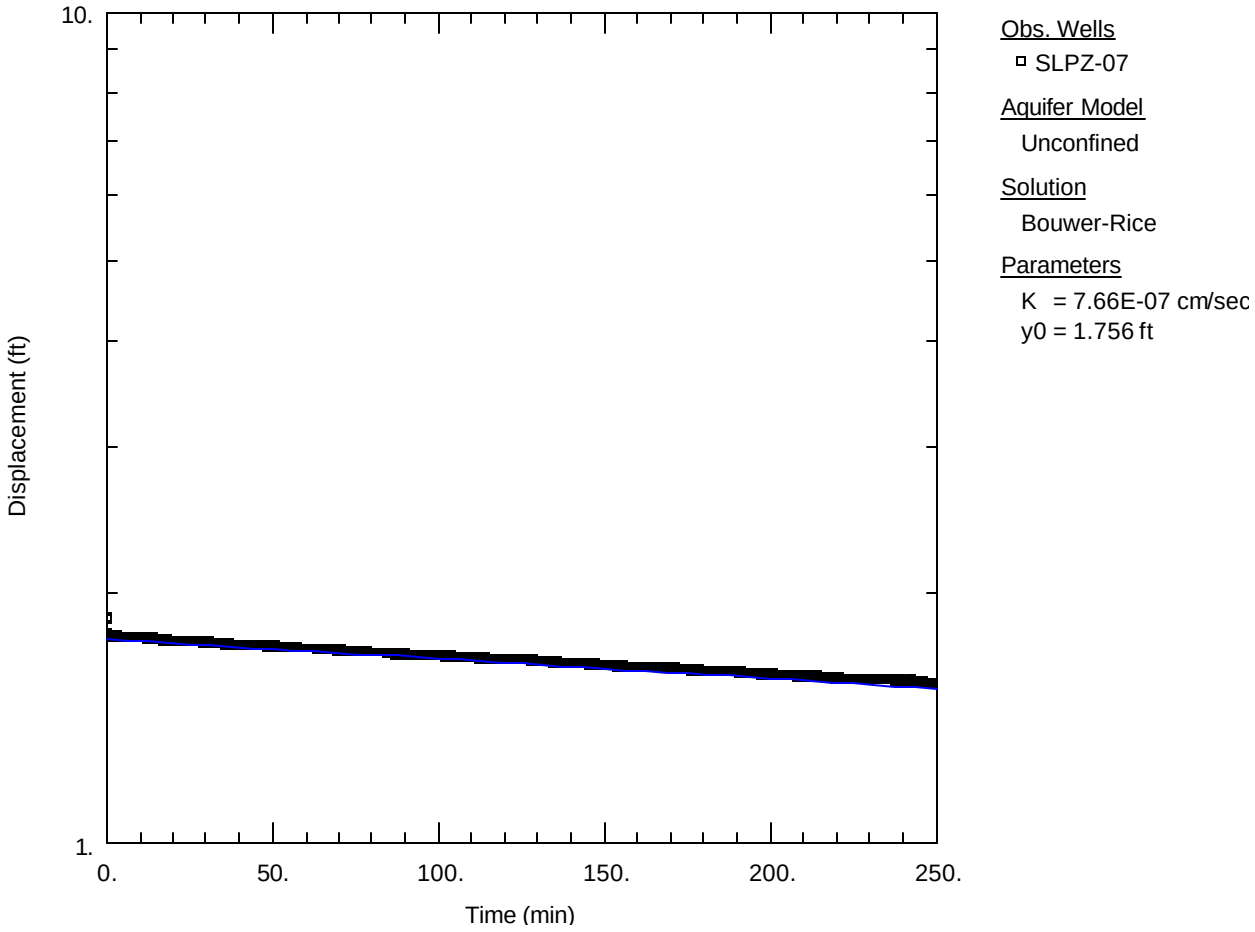

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-07.

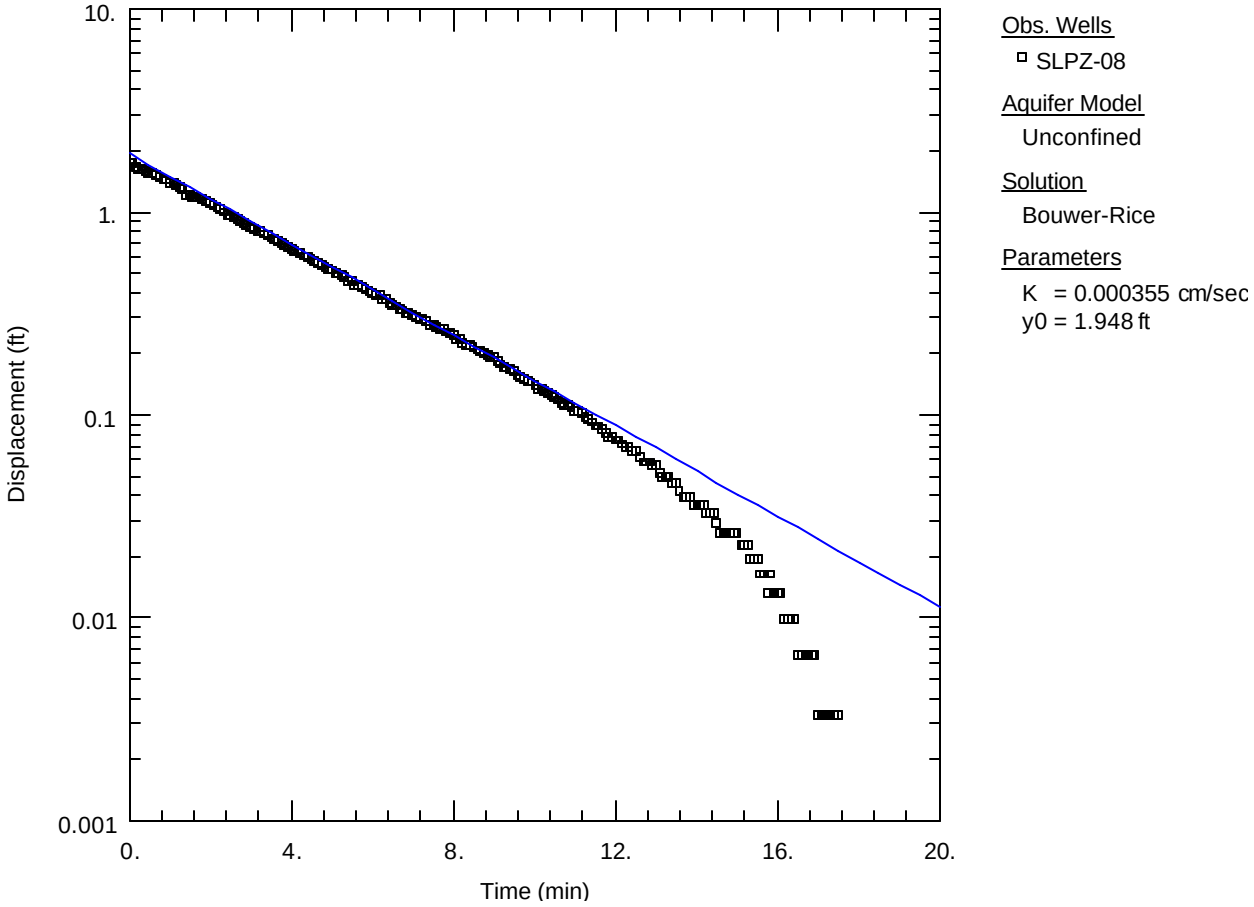

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-08.

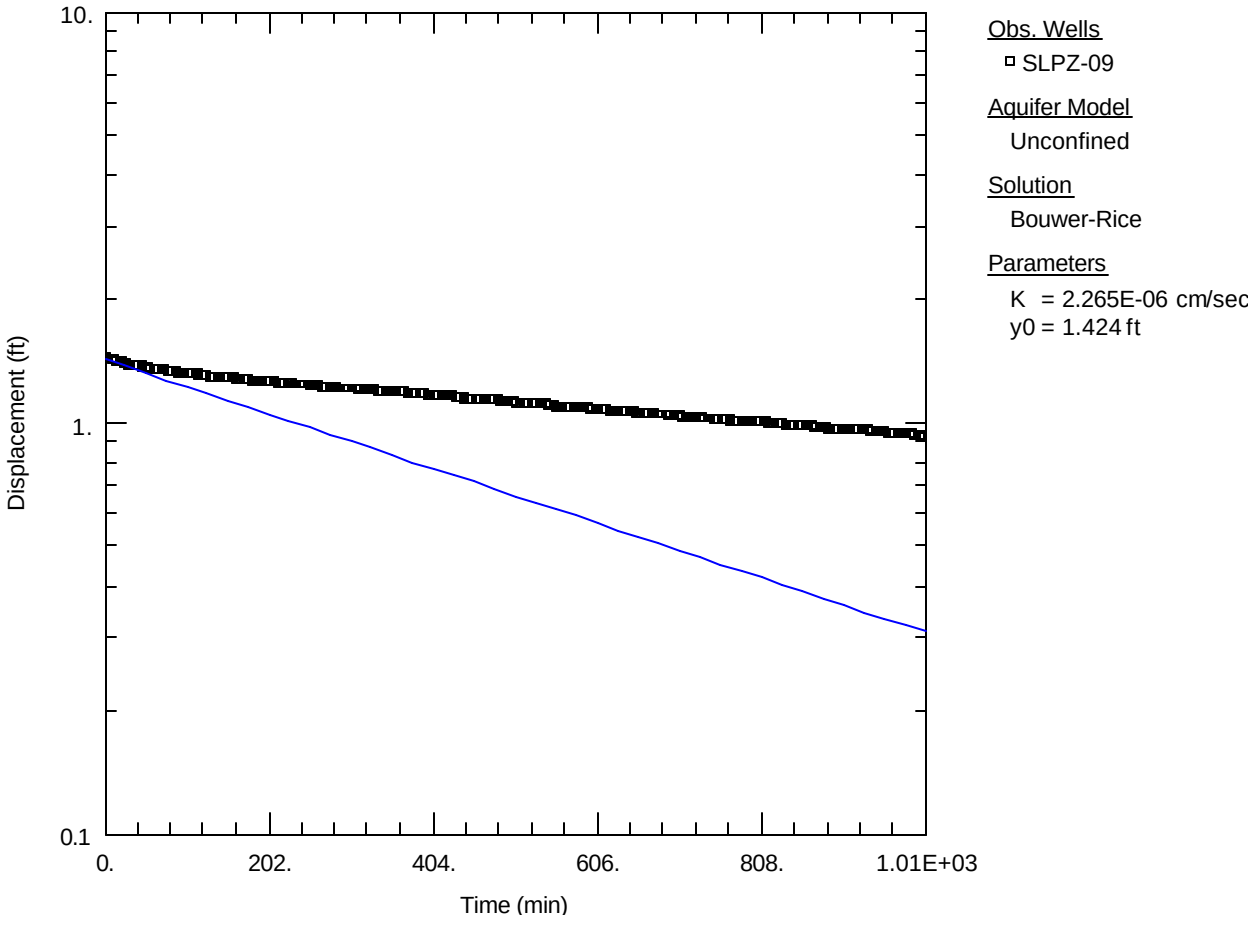

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-09.

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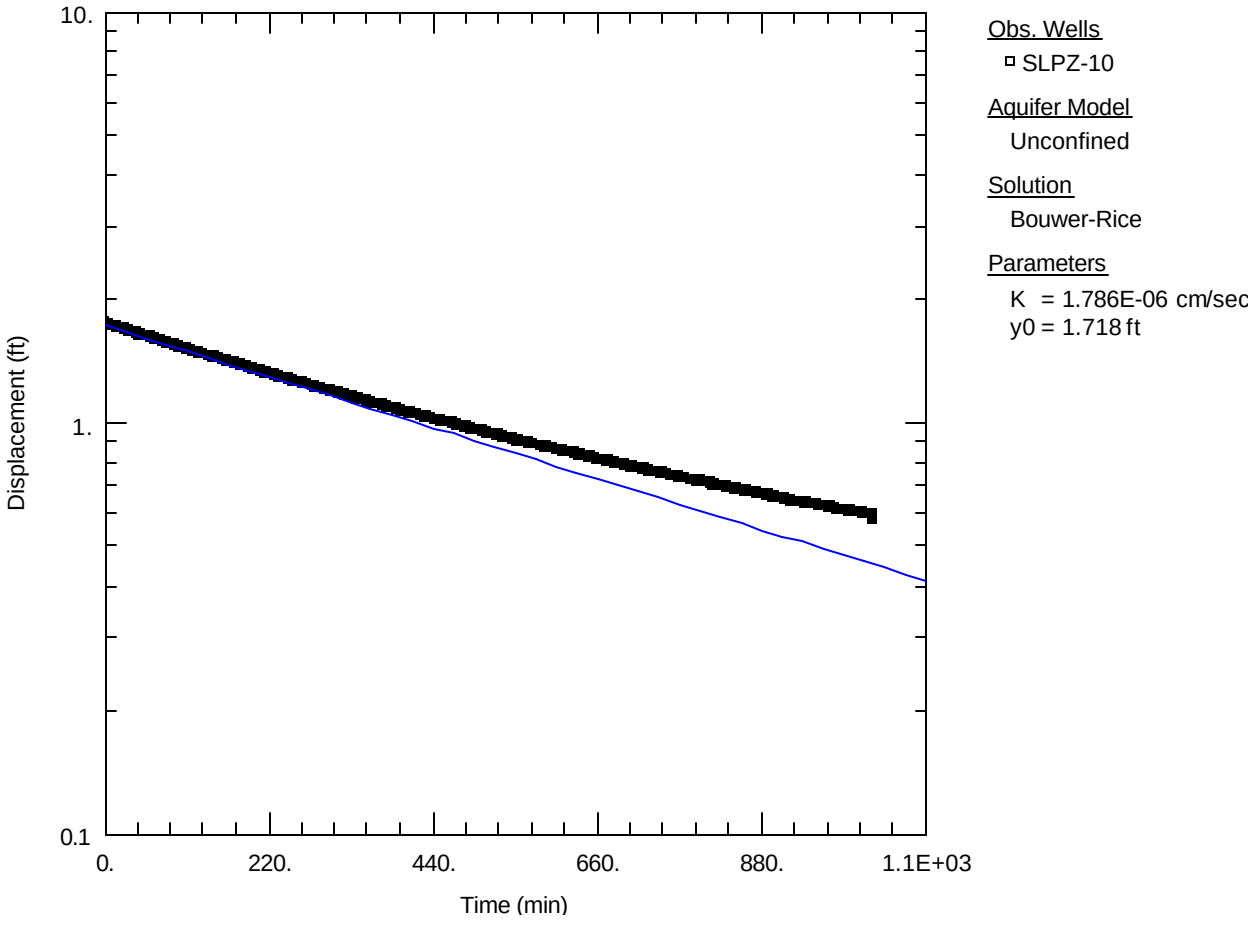

Figure #. Curve matching and calculation for hydraulic conductivity for piezometer SLPZ-10.

Appendix F

Groundwater Elevation Data

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

APPENDIX F
GROUNDWATER ELEVATION MONITORING DATA

PRE-DESIGN INVESTIGATION REPORT FOR SILVER LAKE SEDIMENTS
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (ft)	Date	Depth to Water (ft BMP)	Total Depth (ft BMP)	Corrected Water Elev. (ft)
Monitoring Wells Adjacent to Silver Lake					
95-15	986.38	7/8/2003	8.20	11.65	978.18
95-15	986.38	8/7/2003	8.11	16.65	978.27
95-15	986.38	9/2/2003	8.10	16.64	978.28
95-15	986.38	10/16/2003	7.77	16.61	978.61
95-17	1,007.67	8/7/2003	24.15	16.65	983.52
95-17	1,007.67	9/2/2003	24.05	29.36	983.62
95-17	1,007.67	10/24/2003	24.22	29.30	983.45
E-07	982.87	7/8/2003	7.53	19.82	975.34
E-07	982.87	8/7/2003	7.43	19.82	975.34
E-07	982.87	9/2/2003	7.05	19.82	975.82
E-07	982.87	10/9/2003	5.85	19.65	977.02
E-07	982.87	10/16/2003	6.19	19.82	976.68
GMA1-10	984.86	8/7/2003	7.58	19.86	977.28
GMA1-10	984.86	9/2/2003	7.56	19.86	977.30
GMA1-10	984.86	10/16/2003	6.75	19.90	978.11
GMA1-12	992.26	6/6/2003	16.02	22.14	976.24
GMA1-12	992.26	7/8/2003	16.19	22.14	976.07
GMA1-12	992.26	8/7/2003	16.05	22.14	976.21
GMA1-12	992.26	9/2/2003	16.06	22.16	976.20
GMA1-12	992.26	10/16/2003	15.41	22.14	976.85
MW-6R	985.14	7/8/2003	11.15	14.93	973.99
MW-6R	985.14	8/7/2003	11.00	13.94	974.14
MW-6R	985.14	9/2/2003	10.50	13.93	974.64
MW-6R	985.14	10/9/2003	9.30	13.78	975.84
MW-6R	985.14	10/16/2003	9.54	13.94	975.60
RF-02	982.43	7/8/2003	6.01	18.30	976.42
RF-02	982.43	8/7/2003	5.86	18.30	976.57
RF-02	982.43	9/2/2003	5.76	18.30	976.67
RF-02	982.43	10/16/2003	5.09	18.30	977.34
RF-03	985.40	7/8/2003	9.62	18.44	975.78
RF-03	985.40	8/7/2003	9.38	18.44	976.02
RF-03	985.40	9/2/2003	9.51	18.42	975.89
RF-03	985.40	10/16/2003	8.84	18.44	976.56
RF-03D	985.31	7/8/2003	7.70	36.03	977.61
RF-03D	985.31	8/7/2003	7.65	36.02	977.66
RF-03D	985.31	9/2/2003	7.42	36.02	977.89
RF-03D	985.31	10/16/2003	6.92	36.04	978.39
RF-16	987.91	7/8/2003	9.25	20.78	978.66
RF-16	987.91	8/7/2003	5.25	20.76	982.66
RF-16	987.91	9/2/2003	9.21	20.76	978.70

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Well Name	Measuring Point Elev. (ft)	Date	Depth to Water (ft BMP)	Total Depth (ft BMP)	Corrected Water Elev. (ft)
RF-16	987.91	10/16/2003	8.98	20.78	978.93
SLGW-1S	982.94	6/12/2003	6.93	16.33	976.01
SLGW-1S	982.94	7/8/2003	7.15	16.25	975.79
SLGW-1S	982.94	8/6/2003	6.85	16.25	976.09
SLGW-1S	982.94	8/25/2003	7.07	16.36	975.87
SLGW-1S	982.94	9/3/2003	6.91	16.08	976.03
SLGW-1S	982.94	10/30/2003	6.28	16.10	976.66
SLGW-1S	982.94	12/12/2003	6.54	16.08	976.40
SLGW-1D	983.13	6/12/2003	4.46	34.98	978.67
SLGW-1D	983.13	7/8/2003	4.74	37.00	978.39
SLGW-1D	983.13	8/6/2003	4.78	37.00	978.35
SLGW-1D	983.13	8/25/2003	4.43	37.18	978.70
SLGW-1D	983.13	9/3/2003	4.53	36.77	978.60
SLGW-1D	983.13	10/30/2003	3.82	36.90	979.31
SLGW-1D	983.13	12/12/2003	3.78	36.91	979.35
SLGW-2S	985.39	6/11/2003	7.98	16.91	977.41
SLGW-2S	985.39	7/8/2003	8.31	16.83	977.08
SLGW-2S	985.39	8/6/2003	8.26	16.83	977.13
SLGW-2S	985.39	8/26/2003	8.10	16.93	977.29
SLGW-2S	985.39	9/3/2003	8.17	16.61	977.22
SLGW-2S	985.39	10/30/2003	7.34	16.62	978.05
SLGW-2S	985.39	12/12/2003	7.55	16.63	977.84
SLGW-2D	985.10	6/12/2003	7.30	36.06	977.80
SLGW-2D	985.10	7/8/2003	7.68	36.92	977.42
SLGW-2D	985.10	8/6/2003	7.72	36.92	977.38
SLGW-2D	985.10	8/26/2003	7.47	37.07	977.63
SLGW-2D	985.10	9/3/2003	7.56	36.79	977.54
SLGW-2D	985.10	10/30/2003	6.83	36.80	978.27
SLGW-2D	985.10	12/12/2003	6.77	36.77	978.33
SLGW-3S	980.21	6/13/2003	4.03	14.73	976.18
SLGW-3S	980.21	7/8/2003	4.46	14.65	975.75
SLGW-3S	980.21	8/6/2003	4.11	14.68	976.10
SLGW-3S	980.21	8/28/2003	4.44	14.78	975.77
SLGW-3S	980.21	9/3/2003	4.11	14.50	976.10
SLGW-3S	980.21	10/30/2003	3.41	14.48	976.80
SLGW-3S	980.21	12/12/2003	3.61	14.47	976.60
SLGW-3D	979.14	7/8/2003	1.70	31.85	977.44
SLGW-3D	979.14	7/15/2003	1.81	31.79	977.33
SLGW-3D	979.14	8/6/2003	4.11	32.08	975.03
SLGW-3D	979.14	8/28/2003	1.46	32.22	977.68
SLGW-3D	979.14	9/3/2003	1.46	31.94	977.68

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Well Name	Measuring Point Elev. (ft)	Date	Depth to Water (ft BMP)	Total Depth (ft BMP)	Corrected Water Elev. (ft)
SLGW-3D	979.14	10/30/2003	0.69	31.94	978.45
SLGW-3D	979.14	12/12/2003	0.31	31.93	978.83
SLGW-4S	984.02	6/12/2003	8.04	16.79	975.98
SLGW-4S	984.02	7/11/2003	8.27	16.70	975.75
SLGW-4S	984.02	8/6/2003	7.84	16.70	976.18
SLGW-4S	984.02	8/28/2003	8.29	16.80	975.73
SLGW-4S	984.02	9/3/2003	8.00	16.51	976.02
SLGW-4S	984.02	10/30/2003	7.05	16.50	976.97
SLGW-4S	984.02	12/12/2003	7.49	16.51	976.53
SLGW-4D	983.51	6/13/2003	5.95	35.73	977.56
SLGW-4D	983.51	7/11/2003	6.41	37.20	977.10
SLGW-4D	983.51	8/6/2003	6.50	37.20	977.01
SLGW-4D	983.51	8/28/2003	6.20	37.32	977.31
SLGW-4D	983.51	9/3/2003	6.23	37.06	977.28
SLGW-4D	983.51	10/30/2003	5.59	36.95	977.92
SLGW-4D	983.51	12/12/2003	5.22	37.05	978.29
SLGW-5S	979.12	7/8/2003	3.34	11.69	975.78
SLGW-5S	979.12	7/16/2003	3.31	11.69	975.81
SLGW-5S	979.12	8/6/2003	3.11	11.70	976.01
SLGW-5S	979.12	8/27/2003	3.40	11.80	975.72
SLGW-5S	979.12	9/3/2003	3.15	11.51	975.97
SLGW-5S	979.12	10/30/2003	2.67	12.51	976.45
SLGW-5D	979.30	7/8/2003	3.55	34.95	975.75
SLGW-5D	979.30	7/16/2003	3.50	34.93	975.80
SLGW-5D	979.30	8/6/2003	3.41	34.94	975.89
SLGW-5D	979.30	8/27/2003	3.58	35.08	975.72
SLGW-5D	979.30	9/3/2003	3.36	34.8	975.94
SLGW-5D	979.30	10/30/2003	2.82	34.80	976.48
SLGW-6S	981.66	7/11/2003	5.91	13.70	975.75
SLGW-6S	981.66	7/15/2003	5.95	13.61	975.71
SLGW-6S	981.66	8/6/2003	5.54	13.77	976.12
SLGW-6S	981.66	8/29/2003	5.63	13.88	976.03
SLGW-6S	981.66	9/3/2003	5.46	13.59	976.20
SLGW-6S	981.66	10/30/2003	4.45	13.60	977.21
SLGW-6S	981.66	12/12/2003	4.76	13.61	976.90
SLGW-6D	981.63	7/11/2003	6.21	34.04	975.42
SLGW-6D	981.63	7/15/2003	6.51	33.99	975.12
SLGW-6D	981.63	8/6/2003	6.15	34.98	975.48
SLGW-6D	981.63	8/29/2003	5.81	35.13	975.82
SLGW-6D	981.63	9/3/2003	6.65	34.87	974.98
SLGW-6D	981.63	10/30/2003	4.23	34.85	977.40

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Well Name	Measuring Point Elev. (ft)	Date	Depth to Water (ft BMP)	Total Depth (ft BMP)	Corrected Water Elev. (ft)
SLGW-6D	981.63	12/12/2003	4.11	34.91	977.52

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (ft)	Date	Depth to Water (ft BMP)	Total Depth (ft BMP)	Corrected Water Elev. (ft)
Piezometers within Silver Lake					
SLPZ-01	981.5	8/6/2003	5.70	31.71	975.80
SLPZ-01	981.5	8/27/2003	5.10	31.84	976.40
SLPZ-01	981.5	9/3/2003	5.23	31.71	976.27
SLPZ-01	981.5	9/8/2003	4.86	31.74	976.64
SLPZ-01	981.50	10/30/2003	4.24	31.53	977.26
SLPZ-02	982.1	8/6/2003	4.36	37.14	977.74
SLPZ-02	982.1	8/27/2003	4.50	37.23	977.60
SLPZ-02	982.1	9/3/2003	4.46	37.14	977.64
SLPZ-02	982.1	9/8/2003	4.34	37.15	977.76
SLPZ-02	982.10	10/30/2003	3.30	36.95	978.80
SLPZ-03	981.6	8/6/2003	4.68	56.52	976.92
SLPZ-03	981.6	8/26/2003	4.17	56.67	977.43
SLPZ-03	981.6	9/3/2003	4.14	56.52	977.46
SLPZ-03	981.6	9/8/2003	3.98	56.67	977.62
SLPZ-03	981.60	10/30/2003	3.35	56.44	978.25
SLPZ-04	977.6	8/6/2003	2.74	36.81	974.86
SLPZ-04	977.6	8/26/2003	0.97	36.94	976.63
SLPZ-04	977.6	9/3/2003	1.21	36.81	976.39
SLPZ-04	977.6	9/8/2003	0.70	36.82	976.90
SLPZ-04	977.60	10/30/2003	0.30	36.64	977.30
SLPZ-05	981.4	8/6/2003	12.41	47.42	968.99
SLPZ-05	981.4	8/25/2003	6.04	NM	975.36
SLPZ-05	981.4	9/3/2003	6.01	47.42	975.39
SLPZ-05	981.4	9/8/2003	5.58	47.45	975.82
SLPZ-05	981.40	10/30/2003	4.90	47.24	976.50
SLPZ-06	980.8	8/6/2003	6.34	57.55	974.46
SLPZ-06	980.8	8/25/2003	4.88	58.10	975.92
SLPZ-06	980.8	9/3/2003	4.88	57.55	975.92
SLPZ-06	980.8	9/8/2003	4.57	56.87	976.23
SLPZ-06	980.80	10/30/2003	4.06	56.9	976.74
SLPZ-07	979.6	8/6/2003	4.66	36.91	974.94
SLPZ-07	979.6	8/26/2003	4.44	36.98	975.16
SLPZ-07	979.6	9/3/2003	4.02	36.91	975.58
SLPZ-07	979.6	9/8/2003	3.56	36.92	976.04
SLPZ-07	979.60	10/30/2003	2.88	36.76	976.72
SLPZ-08	981.2	8/6/2003	5.61	31.80	975.59
SLPZ-08	981.2	8/28/2003	5.21	NM	975.99
SLPZ-08	981.2	9/3/2003	5.07	31.8	976.13
SLPZ-08	981.2	9/8/2003	4.81	31.82	976.39
SLPZ-08	981.20	10/30/2003	4.00	31.64	977.20

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (ft)	Date	Depth to Water (ft BMP)	Total Depth (ft BMP)	Corrected Water Elev. (ft)
SLPZ-09	981.2	8/6/2003	45.29	59.43	935.91
SLPZ-09	981.2	8/28/2003	13.05	63.28	968.15
SLPZ-09	981.2	9/3/2003	11.06	59.43	970.14
SLPZ-09	981.2	9/8/2003	9.55	63.15	971.65
SLPZ-09	981.20	10/30/2003	5.38	63.22	975.82
SLPZ-10	981.4	8/6/2003	5.82	31.60	975.59
SLPZ-10	981.4	8/15/2003	4.86	31.57	976.54
SLPZ-10	981.4	8/22/2003	4.98	31.55	976.42
SLPZ-10	981.4	8/28/2003	5.09	31.55	976.31
SLPZ-10	981.4	9/3/2003	5.28	31.6	981.03
SLPZ-10	981.4	9/8/2003	4.93	31.62	976.47
SLPZ-10	981.4	9/22/2003	5.29	31.58	976.11
SLPZ-10	981.40	10/30/2003	4.02	31.42	977.38

APPENDIX F
GROUNDWATER ELEVATION MONITORING DATA

PRE-DESIGN INVESTIGATION REPORT FOR SILVER LAKE SEDIMENTS
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (ft)	Date	Depth to Water (ft BMP)	Total Depth (ft BMP)	Corrected Water Elev. (ft)
Silver Lake Surface Water Measurements					
Silver Lake Staff Gauge	NA	8/8/03	0.64	NA	NA
Silver Lake Staff Gauge	NA	8/14/03	1.00	NA	NA
Silver Lake Staff Gauge	NA	8/21/03	0.60	NA	NA
Silver Lake Gauge	NA	9/2/2003	0.84	NA	NA
Silver Lake Gauge	NA	9/11/2003	0.52	NA	NA
Silver Lake Gauge	NA	9/18/2003	0.60	NA	NA
Silver Lake Gauge	NA	9/25/2003	0.90	NA	NA
Silver Lake Gauge	NA	10/2/2003	1.32	NA	NA
Silver Lake Gauge	NA	10/16/2003	1.70	NA	NA
Silver Lake Gauge	NA	10/23/2003	NM	NA	NA
Silver Lake Gauge	NA	10/30/2003	1.18	NA	NA
SLPZ-01	981.5	7/16/2003	5.40	12.20	976.10
SLPZ-01	981.5	8/6/2003	5.49	12.74	976.01
SLPZ-01	981.5	9/3/2003	5.44	12.74	976.06
SLPZ-01	981.5	9/8/2003	5.59	NM	975.91
SLPZ-01	981.5	10/30/2003	4.80	12.1	976.70
SLPZ-02	982.1	7/16/2003	6.20	16.40	975.90
SLPZ-02	982.1	8/6/2003	6.15	16.64	975.95
SLPZ-02	982.1	9/3/2003	6.10	16.64	976.00
SLPZ-02	982.1	9/8/2003	6.30	NM	975.80
SLPZ-02	982.1	10/30/2003	5.60	16.14	976.50
SLPZ-03	981.6	7/16/2003	5.60	30.50	976.00
SLPZ-03	981.6	8/6/2003	5.65	31.10	975.95
SLPZ-03	981.6	9/3/2003	5.59	31.1	976.01
SLPZ-03	981.6	9/8/2003	5.76	NM	975.84
SLPZ-03	981.6	10/30/2003	5.20	30.71	976.40
SLPZ-04	977.6	7/15/2003	2.00	16.90	975.60
SLPZ-04	977.6	8/6/2003	1.65	17.12	975.95
SLPZ-04	977.6	9/3/2003	1.66	17.12	975.94

APPENDIX F
GROUNDWATER ELEVATION MONITORING DATA

PRE-DESIGN INVESTIGATION REPORT FOR SILVER LAKE SEDIMENTS
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (ft)	Date	Depth to Water (ft BMP)	Total Depth (ft BMP)	Corrected Water Elev. (ft)
SLPZ-04	977.6	9/8/2003	1.73	NM	975.87
SLPZ-04	977.6	10/30/2003	1.20	16.66	976.40
SLPZ-05	981.4	7/15/2003	5.80	25.70	975.60
SLPZ-05	981.4	8/6/2003	5.39	26.10	976.01
SLPZ-05	981.4	9/3/2003	5.42	26.1	975.98
SLPZ-05	981.4	9/8/2003	5.58	NM	975.82
SLPZ-05	981.4	10/30/2003	4.90	25.58	976.50
SLPZ-06	980.8	7/16/2003	5.10	28.10	975.70
SLPZ-06	980.8	8/6/2003	4.85	28.15	975.95
SLPZ-06	980.8	9/3/2003	4.79	28.15	976.01
SLPZ-06	980.8	9/8/2003	4.95	NM	975.85
SLPZ-06	980.8	10/30/2003	4.40	27.76	976.40
SLPZ-07	979.6	7/15/2003	3.70	16.30	975.90
SLPZ-07	979.6	8/6/2003	3.92	16.74	975.68
SLPZ-07	979.6	9/3/2003	3.60	16.74	976.00
SLPZ-07	979.6	9/8/2003	3.56	NM	976.04
SLPZ-07	979.6	10/30/2003	3.10	16.24	976.50
SLPZ-08	981.2	7/15/2003	5.50	14.00	975.70
SLPZ-08	981.2	8/6/2003	5.30	14.22	975.90
SLPZ-08	981.2	9/3/2003	5.25	14.22	975.95
SLPZ-08	981.2	9/8/2003	5.40	NM	975.80
SLPZ-08	981.2	10/30/2003	4.70	13.67	976.50
SLPZ-09	981.2	7/16/2003	6.10	34.00	975.10
SLPZ-09	981.2	8/6/2003	5.31	33.28	975.89
SLPZ-09	981.2	9/3/2003	5.25	33.28	975.95
SLPZ-09	981.2	9/8/2003	5.41	NM	975.79
SLPZ-09	981.2	10/30/2003	4.80	32.83	976.40
SLPZ-10	981.4	7/15/2003	5.60	11.10	975.80
SLPZ-10	981.4	8/6/2003	5.32	11.37	976.08
SLPZ-10	981.4	8/15/2003	4.86	11.20	976.54
SLPZ-10	981.4	8/22/2003	5.53	11.31	975.87
SLPZ-10	981.4	8/28/2003	5.65	11.31	975.75
SLPZ-10	981.4	9/3/2003	5.26	11.37	976.14
SLPZ-10	981.4	9/8/2003	5.44	11.37	975.96
SLPZ-10	981.4	9/22/2003	5.94	11.28	975.46
SLPZ-10	981.4	10/30/2003	4.80	10.91	976.60

NOTES:

APPENDIX F
GROUNDWATER ELEVATION MONITORING DATA

PRE-DESIGN INVESTIGATION REPORT FOR SILVER LAKE SEDIMENTS
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (ft)	Date	Depth to Water (ft BMP)	Total Depth (ft BMP)	Corrected Water Elev. (ft)

1. Silver Lake surface water readings are collected outside of each piezometer from the same measuring point used for groundwater elevation measurements (collected within the piezometers). The Total Depth readings listed on 7/15/03 to 7/16/03 refer to the surface water depth at the location on the installation date.
2. ft BMP - feet Below Measuring Point
3. --- indicates LNAPL was not present in a measurable quantity
4. NA indicates information not available.
5. NM indicates information not measured.

Appendix G

Water Budget Outfall Flow Data

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

APPENDIX G
WATER BUDGET OUTFALL FLOW DATA
OUTFALL A - INFLOW

PRE-DESIGN INVESTIGATION FOR THE SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Date	Time of Day	Outfall Width (feet)	DATA COLLECTION LOCATION [1]									Total Discharge (cfs)
			0+25% Station: 0+0.9'			0+50% Station: 0+1.8'			0+75% Station: 0+2.6'			
			Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	
7/11/2003	8:30 AM	3.5	0.10	3.47	0.405	0.10	3.64	0.425	0.10	6.33	0.739	1.568
	3:00 PM	3.5	0.10	1.41	0.165	0.10	4.94	0.576	0.15	4.01	0.702	1.443
7/15/2003	8:30 AM	3.5	0.05	1.89	0.110	0.10	3.08	0.359	0.08	0.97	0.091	0.560
	2:45 PM	3.5	0.05	1.72	0.100	0.10	2.97	0.347	0.08	0.85	0.079	0.526
7/17/2003	9:00 AM	3.5	0.10	3.34	0.390	0.06	2.54	0.178	0.12	2.03	0.284	0.852
	3:30 PM	3.5	0.25	3.92	1.143	0.14	4.06	0.663	0.10	3.85	0.449	2.256
8/4/2003	11:15 AM	3.5	0.15	3.93	0.688	0.15	3.63	0.635	0.10	0.38	0.044	1.367
	3:00 PM	3.5	0.10	5.15	0.601	0.10	3.80	0.443	0.15	3.20	0.560	1.604
8/5/2003	9:00 AM	3.5	0.10	1.62	0.189	0.10	2.90	0.338	0.05	1.90	0.111	0.638
	2:00 PM	3.5	0.20	2.02	0.471	0.10	1.41	0.165	0.50	2.81	1.639	2.275
8/6/2003	9:15 AM	3.5	0.80	2.34	2.184	1.00	1.77	2.065	0.30	2.03	0.711	4.960
	2:30 PM	3.5	0.20	2.75	0.642	0.10	2.27	0.265	0.10	3.10	0.362	1.268
8/7/2003	11:00 AM	3.5	0.15	3.13	0.548	0.10	2.67	0.312	0.10	3.14	0.366	1.226
	4:00 PM	3.5	0.20	4.90	1.143	0.15	3.62	0.634	0.10	1.26	0.147	1.924
8/8/2003	8:00 AM	3.5	0.15	1.46	0.256	0.15	4.55	0.796	0.10	2.79	0.326	1.377
8/11/2003	8:15 AM	3.5	0.15	1.24	0.217	0.10	1.17	0.137	0.10	0.97	0.113	0.467
	3:00 PM	3.5	0.25	0.85	0.248	0.15	0.69	0.121	0.15	0.93	0.163	0.531
8/19/2003	8:00 AM	3.5	0.10	4.72	0.551	0.15	4.07	0.712	0.10	2.95	0.345	1.608
	1:30 PM	3.5	0.20	3.38	0.788	0.15	4.46	0.781	0.10	4.76	0.555	2.124
8/20/2003	9:00 AM	3.5	0.20	3.34	0.779	0.20	3.24	0.756	0.15	3.55	0.621	2.157
	1:50 PM	3.5	0.20	1.35	0.315	0.18	1.21	0.254	0.16	1.83	0.342	0.911
8/21/2003	9:00 AM	3.5	0.20	5.90	1.377	0.15	4.23	0.740	0.15	3.28	0.574	2.691
	2:00 PM	3.5	0.20	3.36	0.784	0.15	2.85	0.499	0.15	3.85	0.674	1.957
8/22/2003	8:30 AM	3.5	0.20	2.85	0.665	0.15	3.46	0.606	0.22	3.20	0.821	2.092
	3:00 PM	3.5	0.18	3.37	0.708	0.16	2.20	0.411	0.20	3.08	0.719	1.837
9/5/2003	2:15 PM	3.5	0.10	2.80	0.327	0.08	3.25	0.303	0.12	3.20	0.448	1.078
	4:00 PM	3.5	0.08	3.20	0.299	0.06	2.60	0.182	0.09	2.40	0.252	0.733
9/9/2003	10:15 AM	3.5	0.05	4.70	0.274	0.05	1.70	0.099	0.05	1.80	0.105	0.478
	3:45 PM	3.5	0.05	3.43	0.200	0.05	2.56	0.149	0.05	1.72	0.100	0.450
9/10/2003	10:00 AM	3.5	0.05	2.50	0.146	0.05	3.30	0.193	0.06	3.10	0.217	0.555
	1:30 PM	3.5	0.05	2.70	0.158	0.05	1.70	0.099	0.06	2.40	0.168	0.425
9/11/2003	9:30 AM	3.5	0.05	2.50	0.146	0.05	3.45	0.201	0.05	3.50	0.204	0.551
	4:00 PM	3.5	0.05	3.10	0.181	0.05	2.60	0.152	0.05	2.40	0.140	0.473
9/12/2003	8:30 AM	3.5	0.05	3.30	0.193	0.05	2.20	0.128	0.05	3.20	0.187	0.508
	2:30 PM	3.5	0.50	2.50	1.458	0.50	2.60	1.517	0.50	2.20	1.283	4.258

Notes:

1. Data collections points are located within the outfall channel at 25%, 50% and 75% of the total width of the outfall channel. Station locations are the distance from the left side of the outfall channel while looking in an upstream direction.
2. ft/sec - feet per second
3. cfs - cubic feet per second

Appendix H

Water Budget Meteorological Data

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

APPENDIX H
WATER BUDGET METEOROLOGICAL DATA
07/01/2003-09/21/2003

PRE-DESIGN INVESTIGATION FOR THE SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Date	Wind Speed[1] (mph)	Wind Speed[3] (m/s)	Wind Direction[1] (Compass Deg)	Deviation Wind Direction[1] (%)	Temperature[2] (Deg F)	Temperature[3] (Deg C)	Dew Point[2] (Deg F)	Dew Point[3] (Deg C)	Es[3]	E[3]	RH[3] (%)	Barometric Pressure[1] (mb)	Evaporation Rate[1] (in/d)	Total Precipitation[1] (in)
07/01/03	3.34	1.49	215.44	31.74	63	17.22	51.20	10.67	30.96	19.68	63.57	984.76	0.28	0
07/02/03	2.26	1.01	195.08	37.12	66	18.89	54.40	12.44	33.73	22.80	67.58	981.14	0.27	0
07/03/03	2.19	0.98	154.87	34.99	70	21.11	60.60	15.89	37.38	28.71	76.81	978.27	0.25	0
07/04/03	3.76	1.68	206.14	29.50	74	23.33	63.90	17.72	40.96	31.80	77.62	976.20	0.31	0
07/05/03	3.61	1.61	221.33	25.46	75	23.89	67.10	19.50	41.85	34.74	83.02	975.94	0.15	0.05
07/06/03	5.96	2.66	252.20	26.51	74	23.33	61.20	16.22	40.96	29.28	71.47	977.81	0.32	0.01
07/07/03	2.16	0.96	174.11	34.10	71	21.67	61.80	16.56	38.28	29.84	77.95	979.44	0.19	0
07/08/03	4.78	2.14	248.09	22.52	75	23.89	65.80	18.78	41.85	33.55	80.17	977.62	0.20	0.01
07/09/03	2.65	1.19	210.37	31.83	63	17.22	57.30	14.06	30.96	25.58	82.64	979.97	-0.16	0.26
07/10/03	4.30	1.92	117.03	31.58	64	17.78	54.80	12.67	31.89	23.18	72.70	981.92	0.21	0
07/11/03	3.72	1.67	81.63	25.38	61	16.11	59.30	15.17	29.09	27.49	94.49	975.35	-0.17	0.19
07/12/03	6.03	2.69	230.21	22.43	67	19.44	57.20	14.00	34.65	25.49	73.56	976.80	0.23	0.01
07/13/03	3.78	1.69	215.31	27.71	62	16.67	54.90	12.72	30.03	23.28	77.54	984.18	0.14	0
07/14/03	1.76	0.79	159.16	34.09	65	18.33	54.40	12.44	32.81	22.80	69.48	988.92	-4.39	0
07/15/03	2.11	0.94	176.33	37.46	66	18.89	56.30	13.50	33.73	24.63	73.00	984.80	0.20	0
07/16/03	3.98	1.78	206.38	32.70	70	21.11	61.90	16.61	37.38	29.93	80.08	979.85	-0.70	0.99
07/17/03	5.02	2.24	271.43	24.81	67	19.44	57.90	14.39	34.65	26.16	75.48	982.66	0.20	0
07/18/03	3.24	1.45	207.06	23.79	65	18.33	60.20	15.67	32.81	28.34	86.35	980.95	-0.01	0.11
07/19/03	2.65	1.18	214.96	32.88	63	17.22	52.50	11.39	30.96	20.95	67.68	981.12	0.24	0
07/20/03	2.59	1.16	191.50	29.82	64	17.78	53.80	12.11	31.89	22.22	69.67	981.83	0.22	0
07/21/03	5.51	2.46	184.24	30.08	70	21.11	61.90	16.61	37.38	29.93	80.08	976.95	-0.20	0.57
07/22/03	3.08	1.38	174.11	31.60	71	21.67	64.70	18.17	38.28	32.54	84.99	974.56	-0.37	0.54
07/23/03	3.27	1.46	208.88	26.14	72	22.22	66.20	19.00	39.18	33.92	86.57	976.66	0.07	0.06
07/24/03	5.32	2.38	207.39	26.53	72	22.22	64.60	18.11	39.18	32.44	82.81	979.96	0.17	0.04
07/25/03	3.95	1.77	229.87	28.11	69	20.56	59.80	15.44	36.47	27.96	76.65	987.58	0.23	0
07/26/03	4.44	1.98	201.85	25.15	68	20.00	58.90	14.94	35.56	27.11	76.22	987.39	0.23	0
07/27/03	6.52	2.92	242.59	16.33	73	22.78	64.60	18.11	40.07	32.44	80.96	976.58	0.15	0
07/28/03	6.66	2.98	293.86	21.13	67	19.44	56.00	13.33	34.65	24.34	70.24	976.60	0.31	0
07/29/03	2.28	1.02	182.35	34.17	65	18.33	53.40	11.89	32.81	21.83	66.52	980.87	0.26	0
07/30/03	1.85	0.83	159.32	34.88	68	20.00	57.00	13.89	35.56	25.30	71.13	987.58	0.23	0
07/31/03	2.48	1.11	120.46	33.26	67	19.44	55.80	13.22	34.65	24.15	69.69	988.92	0.26	0
08/01/03	4.74	2.12	58.23	21.13	63	17.22	60.20	15.67	30.96	28.34	91.53	985.58	-1.02	1.12
08/02/03	2.59	1.16	159.94	32.00	72	22.22	66.40	19.11	39.18	34.10	87.04	983.01	-0.15	0.22
08/03/03	2.02	0.90	170.12	32.07	76	24.44	70.10	21.17	42.73	37.47	87.69	984.31	-0.33	0.52
08/04/03	2.01	0.90	182.12	33.79	76	24.44	69.40	20.78	42.73	36.84	86.21	981.15	0.74	0.14
08/05/03	2.55	1.14	183.67	29.51	75	23.89	68.80	20.44	41.85	36.29	86.72	978.04	-0.18	0.42
08/06/03	3.32	1.48	193.16	25.98	72	22.22	65.10	18.39	39.18	32.91	83.99	977.80	-0.01	0.16
08/07/03	1.62	0.72	151.26	31.96	71	21.67	65.40	18.56	38.28	33.18	86.68	979.27	0.08	0.01
08/08/03	1.82	0.81	108.56	29.14	72	22.22	66.80	19.33	39.18	34.47	87.98	979.00	-0.01	0.25
08/09/03	1.40	0.62	146.28	37.01	74	23.33	69.10	20.61	40.96	36.56	89.26	982.35	-0.06	0.26
08/10/03	2.25	1.01	200.65	28.83	74	23.33	69.30	20.72	40.96	36.75	89.71	981.01	-0.81	0.92
08/11/03	1.87	0.84	174.78	34.96	74	23.33	68.00	20.00	40.96	35.56	86.82	981.34	-1.14	1.44
08/12/03	1.58	0.70	124.63	35.31	74	23.33	69.00	20.56	40.96	36.47	89.04	986.11	-0.04	0.44
08/13/03	2.97	1.33	222.55	26.18	75	23.89	68.30	20.17	41.85	35.84	85.64	990.25	0.19	0
08/14/03	3.13	1.40	223.06	30.61	73	22.78	64.30	17.94	40.07	32.17	80.27	990.49	0.25	0
08/15/03	3.06	1.37	208.63	29.93	71	21.67	61.40	16.33	38.28	29.46	76.97	985.45	0.24	0
08/16/03	2.96	1.32	194.09	31.49	72	22.22	65.40	18.56	39.18	33.18	84.69	976.45	-0.11	0.41
08/17/03	1.44	0.64	131.07	35.89	68	20.00	62.50	16.94	35.56	30.49	85.74	978.72	-0.28	0.6
08/18/03	1.55	0.69	171.95	34.26	67	19.44	60.20	15.67	34.65	28.34	81.77	984.24	0.09	0
08/19/03	2.87	1.28	223.91	27.23	69	20.56	61.10	16.17	36.47	29.18	80.01	986.90	0.21	0
08/20/03	2.64	1.18	204.66	28.61	70	21.11	61.20	16.22	37.38	29.28	78.32	986.08	0.20	0
08/21/03	2.31	1.03	181.73	28.34	71	21.67	64.00	17.78	38.28	31.89	83.30	982.56	0.20	0

APPENDIX H
WATER BUDGET METEOROLOGICAL DATA
07/01/2003-09/21/2003

PRE-DESIGN INVESTIGATION FOR THE SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Date	Wind Speed[1] (mph)	Wind Speed[3] (m/s)	Wind Direction[1] (Compass Deg)	Deviation Wind Direction[1] (%)	Temperature[2] (Deg F)	Temperature[3] (Deg C)	Dew Point[2] (Deg F)	Dew Point[3] (Deg C)	Es[3]	E[3]	RH[3] (%)	Barometric Pressure[1] (mb)	Evaporation Rate[1] (in/d)	Total Precipitation[1] (in)
08/22/03	3.65	1.63	216.11	29.51	74	23.33	66.00	18.89	40.96	33.73	82.35	976.41	0.06	0.19
08/23/03	6.10	2.73	247.23	26.21	62	16.67	51.60	10.89	30.03	20.07	66.85	978.49	0.31	0
08/24/03	6.23	2.78	268.26	20.98	59	15.00	42.60	5.89	27.20	11.08	40.73	982.72	0.26	0
08/25/03	3.35	1.50	217.44	26.56	66	18.89	56.00	13.33	33.73	24.34	72.15	980.01	0.12	0
08/26/03	2.94	1.31	212.91	33.17	68	20.00	61.60	16.44	35.56	29.65	83.37	977.96	0.16	0
08/27/03	6.55	2.93	255.62	19.89	68	20.00	57.00	13.89	35.56	25.30	71.13	976.22	0.32	0
08/28/03	3.84	1.72	216.67	31.06	59	15.00	49.20	9.56	27.20	17.71	65.11	985.68	0.21	0
08/29/03	4.15	1.86	187.83	30.17	61	16.11	59.30	15.17	29.09	27.49	94.49	984.20	0.01	0.1
08/30/03	5.63	2.52	262.04	19.15	61	16.11	57.70	14.28	29.09	25.97	89.27	984.83	0.13	0
08/31/03	2.25	1.01	162.85	36.90	56	13.33	47.40	8.56	24.34	15.92	65.41	992.09	0.16	0
09/01/03	0.82	0.37	137.42	31.74	57	13.89	54.60	12.56	25.30	22.99	90.88	989.31	-0.19	0.26
09/02/03	3.51	1.57	80.79	25.46	58	14.44	53.90	12.17	26.25	22.31	85.00	987.61	-0.65	0.7
09/03/03	2.88	1.29	121.16	29.76	60	15.56	56.20	13.44	28.15	24.53	87.16	985.87	0.00	0
09/04/03	1.61	0.72	170.75	34.13	64	17.78	60.60	15.89	31.89	28.71	90.04	976.82	-0.03	0.78
09/05/03	3.52	1.58	257.11	35.17	63	17.22	54.20	12.33	30.96	22.60	73.01	980.51	0.11	0
09/06/03	2.46	1.10	183.97	36.58	59	15.00	51.10	10.61	27.20	19.58	71.99	984.60	0.15	0
09/07/03	2.40	1.07	198.55	33.76	61	16.11	54.70	12.61	29.09	23.09	79.37	982.56	0.12	0
09/08/03	2.40	1.07	137.34	43.23	62	16.67	53.40	11.89	30.03	21.83	72.70	985.11	0.18	0
09/09/03	2.79	1.25	117.76	36.19	58	14.44	48	8.89	26.25	16.52	62.92	992.14	0.15	0
09/10/03	2.02	0.90	168.20	34.68	57	13.89	47.2	8.44	25.30	15.72	62.14	990.01	0.15	0
09/11/03	2.22	0.99	111.87	33.31	63	17.22	54.3	12.39	30.96	22.70	73.33	991.26	0.15	0
09/12/03	3.77	1.69	106.36	26.44	59	15.00	47.9	8.83	27.20	16.42	60.36	992.90	0.19	0
09/13/03	5.67	2.53	73.93	20.59	59	15.00	58.2	14.56	27.20	26.44	97.21	992.31	0.03	0.02
09/14/03	2.52	1.13	128.46	35.12	71	21.67	65.8	18.78	38.28	33.55	87.64	990.44	-0.26	0.35
09/15/03	2.49	1.11	142.28	35.11	68	20.00	64.1	17.83	35.56	31.98	89.92	986.05	-0.06	0.17
09/16/03	5.12	2.29	232.10	26.25	70	21.11	66.8	19.33	37.38	34.47	92.21	984.31	-0.20	0.37
09/17/03	2.10	0.94	95.28	39.89	63	17.22	53.6	12.00	30.96	22.02	71.13	992.11	0.12	0
09/18/03	6.69	2.99	103.35	26.51	65	18.33	57.2	14.00	32.81	25.49	77.68	993.68	0.20	0
09/19/03	7.82	3.50	135.91	29.69	67	19.44	66.1	18.94	34.65	33.83	97.62	984.32	-0.16	0.28
09/20/03	3.23	1.44	253.53	26.66	73	22.78	66	18.89	40.07	33.73	84.18	986.23	0.10	0.01
09/21/03	2.08	0.93	172.43	39.33	62	16.67	55.4	13.00	30.03	23.76	79.14	990.97	0.15	0

Notes:

1. Data represents average daily values received from GE weatherstation near Silver Lake
2. Daily averages as reported by NOAA- Pittsfield, MA weather station
3. Calculated or converted using widely accepted formulas