Corporate Environmental Programs
General Electric Company
100 Woodlawn Avenue, Pittsfield, MA 01201

Transmitted Via Overnight Delivery

January 13, 2005

Mr. William P. Lovely, Jr.
U.S. Environmental Protection Agency
EPA New England
One Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Re: GE-Pittsfield/Housatonic River Site
Unkamet Brook Area (GECD170)
Supplemental Sampling Letter Report for Northern Inundated Wetland Soils

Dear Mr. Lovely:

In November 2002, pursuant to the Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site, the General Electric Company (GE) submitted to the U.S. Environmental Protection Agency (EPA) a document titled *Pre-Design Investigation Work Plan for Unkamet Brook Area Removal Action.* That work plan described the investigations proposed by GE to gather data on existing soil and sediment conditions within the Unkamet Brook Removal Action Area (RAA) (Figure 1) and to support future Removal Design/Removal Action (RD/RA) evaluations for this RAA.

In a conditional approval letter dated March 10, 2003, EPA directed GE to revise that work plan to address several conditions in EPA's letter. Accordingly, in May 2003, GE submitted a *Revised Pre-Design Investigation Work Plan for Unkamet Brook Area Removal Action.* EPA conditionally approved the revised work plan in a letter dated July 17, 2003, and required certain further changes in the proposed investigations. In a letter dated July 30, 2003, GE addressed each of the conditions in EPA's July 17, 2003 approval letter and confirmed the scope of the revised soil/sediment pre-design investigations at the Unkamet Brook Area. GE's July 30, 2003 response letter was approved by EPA in a letter dated August 19, 2003. The May 2003 revised work plan, as modified by GE's July 30, 2003 response letter, is referred to herein as the "PDI Work Plan."

The approved PDI Work Plan provided that, for four areas of the Unkamet Brook RAA (i.e., the Decorative Pond, the Unkamet Brook sediments, the inundated wetland areas, and subsurface utilities in GE-owned industrial areas that maybe subject to emergency repair), GE would conduct an iterative sampling approach, in which the results of initial sampling would be evaluated to assess the need for additional investigations. The initial sampling as proposed in the PDI Work Plan was conducted from May 28 through November 17, 2003. The analytical data results from these initial investigations and the assessment of the need for and scope of additional investigations in those four areas were summarized in the *Interim Pre-Design Investigation Report and Additional Pre-Design Investigation Proposal* (Interim PDI Report) dated February 18, 2004. EPA conditionally approved the Interim PDI Report in a letter dated September 7, 2004.

Based on the results of the initial investigations, the Interim PDI Report proposed additional investigations for a portion of the northern inundated wetland (Figure 2) and select areas containing subsurface utilities within the GE-owned industrial area. The Interim PDI Report also indicated that within four months of

EPA's approval of that report, GE would submit a Supplemental Sampling Letter Report summarizing the additional investigations conducted in the northern inundated wetland and, as appropriate, that letter report would include an investigation proposal for the constituents listed in Appendix IX of 40 CFR Part 26, plus three additional constituents (benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine) (Appendix IX+3). The additional investigations conducted in the GE-owned industrial area to further characterize soils in the vicinity of subsurface utilities will be summarized along with the remaining pre-design investigations in the final Pre-Design Investigation Report (Pre-Design Report) due to EPA on September 7, 2005 (i.e., 12 months after the September 7, 2004 approval of the Interim PDI Report).

This *Supplemental Sampling Letter Report for Northern Inundated Wetland Soils* summarizes the additional investigations conducted by GE in the northern inundated wetland. Section 1 of this report summarizes the applicable PCB-related Performance Standards and the initial pre-design investigation activities conducted in October 2003 for the northern inundated wetland. The additional and most recent pre-design investigations of the northern inundated wetland are summarized in Section 2, and the assessment of the PCB data for that area and proposal for soil sample collection for Appendix IX+3 analyses in the northern inundated wetland is discussed in Section 3. The schedule for future activities is proposed in Section 4.

1.0 Summary of Applicable Performance Standards and Initial Pre-Design PCB Soil Investigations

The CD and Appendix E to the CD, the *Statement of Work for Removal Actions Outside the River* (SOW), establish several Performance Standards for soils within the inundated wetland areas of the Unkamet Brook RAA. Specifically, following the performance of pre-design soil investigations for PCBs, GE is required to calculate an Exposure Point Concentration (EPC) for PCBs in the top foot of soil in the wetland area. The EPC is required to be either:

- the spatial average PCB concentration, calculated as specified in Attachment E to the SOW, provided that PCB data are available from an appropriate sampling grid with a minimum 25-foot spacing within the wetland area; or

- the 95% Upper Confidence Limit on the arithmetic mean (95% UCL) of the PCB data (or the maximum PCB concentration, if the 95% UCL exceeds the maximum).

If the PCB EPC in the top foot of soil in the wetland area exceeds 1 part per million (ppm), GE is required either to remove and replace soils or to install a soil surface cover as necessary to achieve the PCB EPC. The loss of any wetlands is required to be mitigated through the payment that GE made pursuant to Paragraph 114.b of the CD.

In the PDI Work Plan and Interim PDI Report, GE indicated that it intended to calculate the PCB EPC for the inundated wetlands using the first of these two approaches (i.e., a spatial averaging approach). For such spatial averaging, as noted above, the SOW specifies that PCB data must be available on a minimum 25-foot sampling grid. However, GE noted that such intensive sampling would not be necessary for portions of the wetlands where it was determined, based on less intensive sampling, that remediation (i.e., soil removal or capping) is necessary. On the other hand, if the available PCB data indicated that either of the inundated wetlands or a portion thereof may meet the applicable Performance Standard, additional PCB pre-design sampling in those areas would be necessary at the spacing specified in the SOW. Therefore, GE proposed (and EPA approved) an iterative approach to sampling the inundated wetlands. Under that approach, soil samples were first collected on an approximate 100-foot sampling grid, and then an evaluation was performed of whether any areas within the wetlands might satisfy the Performance Standards. If any areas within the wetlands satisfy the Performance Standards, GE agreed that more dense sampling would be necessary in those areas.

GE performed the proposed sampling and presented the results, combined with the historical PCB data from this area, in the Interim PDI Report. Based on the combined data set, GE calculated that the arithmetic PCB average for the top one foot of soil was approximately 298 ppm in the northern inundated wetland (Area 9G) and approximately 41 ppm in the southern wetland (Area 9H). For the southern wetland, GE concluded that removal of the top foot of soil in that entire wetland would be necessary to meet the applicable Performance Standard and GE therefore did not propose any additional sampling in that wetland.

For the northern wetland, however, GE's evaluation of the data suggested that soils in certain areas of the wetland may have a PCB EPC less than 1 ppm. Those areas consisted of the northern and eastern portion of the northern inundated wetland. Therefore, GE proposed in the Interim PDI Report to establish a 25-foot grid in that portion of the inundated wetland, as shown on Figure 3, and to collect surface soil samples for PCB analysis at each of the remaining grid nodes. GE proposed that it would review the results of the additional proposed samples and determine whether there is a portion of that wetland that meets the 1 ppm Performance Standard. If there was any such portion, GE indicated it would propose sampling in that portion of the wetland to characterize the soils for Appendix IX+3 constituents.

2.0 Additional Pre-Design PCB Soil Investigations

The additional PCB soil investigations identified in the Interim PDI Report and approved by EPA were conducted between November 15 and 23, 2004 and involved the collection and analysis for PCBs of approximately 130 samples (including field duplicate samples). Field activities were performed by Blasland, Bouck & Lee, Inc. (BBL), on behalf of GE, with analytical services provided by SGS Environmental Services, Inc. These investigations are summarized in Table 1 and illustrated on Figure 3. The boring logs for these samples are found in Table 2. During GE's performance of these pre-design investigations, Weston Solutions, Inc. (Weston) conducted oversight activities on behalf of EPA, including collecting and analyzing split samples.

In general, the sample locations, frequencies, depths, and analytes associated with the additional wetland sampling were consistent with EPA-approved investigations. However, sample location RAA10-N-NO19.5 was relocated 10 feet to the south from the proposed location outlined in the Interim PDI Report due to an obstruction (i.e., thick brush). This modification does not significantly affect the overall characterization of soils within this portion of the northern inundated wetland.

All field and analytical activities conducted by GE were performed in accordance with GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP). (Note: Because these soil samples were saturated, photoionization detector (PID) readings were not recorded.) Soil samples collected by GE for PCB analysis during this additional pre-design investigation were analyzed for Aroclor-specific PCBs by EPA Method 8082. The PCB results were reported on a dry-weight basis with a detection limit of approximately 0.05 ppm for all Aroclors.

PCB results from the additional wetland samples collected by GE are summarized in Table 3. These data have undergone data validation in accordance with the approved FSP/QAPP and the data validation will be summarized in the final Pre-Design Report. This data validation process determined that greater than 99% of the PCB data are usable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The EPA PCB data from samples collected during this additional investigation were not available for this report, but will be summarized in the final Pre-Design Report. In addition, the PCB data from the initial pre-design investigation collected from within the portion of the northern inundated wetland being assessed in this report are summarized on Table 4, and PCB data from prior historical investigations and previously determined to be usable, are included on Figure 3.

3.0 Assessment of PCB Results and Proposal for Appendix IX+3 Sampling

For that portion of the northern inundated wetland that was sampled on a 25-foot grid, GE has assessed the available PCB data to determine whether current conditions achieve the applicable PCB Performance Standard (i.e., a PCB spatial average concentration of 1 ppm). The available PCB data set available for this particular area consists of one historical sample, 10 samples from the initial pre-design investigation discussed in Section 2 of this letter, and 130 samples from the additional pre-design investigation (total of 141 samples). For this assessment (consistent with the preliminary evaluations performed in the Interim PDI Report), GE used an arithmetic averaging approach in lieu of performing spatial average calculations. Based on these data, the arithmetic average PCB concentration in the top foot of soils for the entirety of this 80,000-square foot area is approximately 2 ppm, which is above the PCB Performance Standard. However, GE's evaluation of existing PCB data suggests that soils in a significant portion of the area that was sampled on a 25-foot grid may have a PCB EPC less than 1 ppm. Since existing conditions in that portion appear likely to achieve the applicable PCB-related Performance Standards established in the CD and SOW, it is possible that no remediation activities for that portion will be needed for PCBs. Therefore, for this portion, and consistent with the approach outlined in previous submittals to EPA, GE has prepared a proposal for Appendix IX+3 soil sampling, based on discussions with EPA. Additional information is presented below.

In developing the scope of the proposed Appendix IX+3 soil investigations for this portion of the northern inundated wetland, GE considered the future re-routing of a portion of the Unkamet Brook. The re-routed brook will likely traverse through the northern inundated wetland within an approximate 75- to 100-foot band adjacent to the eastern edge of the interior landfill. These re-routing activities, along with the remedial activities to address elevated PCB concentrations in soils, will result in the disturbance/removal of the top foot of soil in the area adjacent to and to the east of the interior landfill. Therefore, GE has developed a proposal for Appendix IX+3 soil investigations (presented below) for the portion of the northern inundated wetland that appears likely to achieve the applicable PCB-related Performance Standards excluding the portions of that area that are located within a 75-foot band adjacent to the eastern edge of the interior landfill. Figure 3 identifies the section of the wetland that is being proposed for Appendix IX+3 soil sampling.

After reviewing the available PCB data for the northern inundated wetland (sampled on a 25-foot grid), considering the re-routing of Unkamet Brook, and discussions with EPA, GE proposes to collect nine soil samples from a portion of the northern inundated wetland from the 0- to 1-foot depth increment to be analyzed for Appendix IX+3 constituents as summarized in Table 5. These proposed Appendix IX+3 sample locations are spatially distributed throughout the sampling area, and the locations are illustrated on Figure 4.

After receiving the data from the proposed Appendix IX+3 samples, GE will report the data in the final Pre-Design Report, with the remaining pre-design investigation activities. The final Pre-Design Report will indicate (based on review of the available PCB and Appendix IX+3 data) whether GE will perform detailed RD/RA evaluations for all or a portion of the area subject to Appendix IX+3 soil sampling , or alternatively, forego such evaluations and elect to conduct remediation in this area.

4.0 Schedule

In accordance with the approved PDI Work Plan and Interim PDI Report, GE will continue to perform the sampling and analysis outlined in these documents (in accordance with prior EPA approvals), as well as the additional activities proposed herein, once approved by EPA. GE proposes to submit the results of the proposed Appendix IX+3 sampling proposed herein in the final Pre-Design Investigation Report. That report is due to EPA on September 7, 2005. In the event that delays to this proposed schedule are identified, GE will notify EPA and propose a revised schedule for completing the investigations and submitting the final Pre-Design Report.

If you have any questions about the information presented in this report, please contact me.

Sincerely,

John F. Novotny /mae

John F. Novotny, P.E.
Manager – Facilities and Brownfields Programs

Attachments
V:\GE_Pittsfield_CD_Unkamet_Brook_Area\Reports and Presentations\Supplemental Interim PDI\02652196Ltr.doc

cc: Tim Conway, EPA
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Public Information Repositories
GE Internal Repository

* *without attachments*

Tables

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

TABLE 1
ADDITIONAL PRE-DESIGN INVESTIGATION PCB SOIL SAMPLING LOCATIONS

SUPPLEMENTAL SAMPLING LETTER REPORT FOR NORTHERN INUNDATED WETLAND SOILS
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	DATE COLLECTED	COMMENTS
NORTH AREA				
RAA10-N-KL18.5	KL18.5	0-1 ft	11/17/2004	
RAA10-N-L16.5	L16.5	0-1 ft	11/17/2004	
RAA10-N-L17	L17	0-1 ft	11/17/2004	
RAA10-N-L17.5	L17.5	0-1 ft	11/17/2004	
RAA10-N-L18	L18	0-1 ft	11/16/2004	
RAA10-N-L18.5	L18.5	0-1 ft	11/16/2004	
RAA10-N-L19	L19	0-1 ft	11/16/2004	
RAA10-N-L19.5	L19.5	0-1 ft	11/16/2004	
RAA10-N-LM16	LM16	0-1 ft	11/15/2004	
RAA10-N-LM16.5	LM16.5	0-1 ft	11/15/2004	
RAA10-N-LM17	LM17	0-1 ft	11/15/2004	
RAA10-N-LM17.5	LM17.5	0-1 ft	11/16/2004	
RAA10-N-LM18	LM18	0-1 ft	11/16/2004	
RAA10-N-LM18.5	LM18.5	0-1 ft	11/16/2004	
RAA10-N-LM19	LM19	0-1 ft	11/16/2004	
RAA10-N-LM19.5	LM19.5	0-1 ft	11/16/2004	
RAA10-N-LM20	LM20	0-1 ft	11/16/2004	
RAA10-N-M15.5	M15.5	0-1 ft	11/15/2004	
RAA10-N-M16.5	M16.5	0-1 ft	11/15/2004	
RAA10-N-M17	M17	0-1 ft	11/16/2004	
RAA10-N-M17.5	M17.5	0-1 ft	11/16/2004	
RAA10-N-M18.5	M18.5	0-1 ft	11/16/2004	
RAA10-N-M19	M19	0-1 ft	11/16/2004	
RAA10-N-M19.5	M19.5	0-1 ft	11/16/2004	
RAA10-N-M20.5	M20.5	0-1 ft	11/16/2004	
RAA10-N-MN15.5	MN15.5	0-1 ft	11/15/2004	
RAA10-N-MN16	MN16	0-1 ft	11/15/2004	
RAA10-N-MN16.5	MN16.5	0-1 ft	11/15/2004	
RAA10-N-MN17	MN17	0-1 ft	11/15/2004	
RAA10-N-MN17.5	MN17.5	0-1 ft	11/15/2004	
RAA10-N-MN18	MN18	0-1 ft	11/15/2004	
RAA10-N-MN18.5	MN18.5	0-1 ft	11/15/2004	
RAA10-N-MN19	MN19	0-1 ft	11/15/2004	
RAA10-N-MN19.5	MN19.5	0-1 ft	11/15/2004	
RAA10-N-MN20	MN20	0-1 ft	11/16/2004	
RAA10-N-MN20.5	MN20.5	0-1 ft	11/16/2004	Duplicate sample collected.
RAA10-N-MN21	MN21	0-1 ft	11/16/2004	
RAA10-N-N16.5	N16.5	0-1 ft	11/15/2004	
RAA10-N-N17	N17	0-1 ft	11/15/2004	Duplicate sample collected.
RAA10-N-N17.5	N17.5	0-1 ft	11/17/2004	
RAA10-N-N19	N19	0-1 ft	11/17/2004	
RAA10-N-N19.5	N19.5	0-1 ft	11/17/2004	
RAA10-N-N20	N20	0-1 ft	11/17/2004	
RAA10-N-N20.5	N20.5	0-1 ft	11/17/2004	Duplicate sample collected.
RAA10-N-N21	N21	0-1 ft	11/17/2004	
RAA10-N-NO16.5	NO16.5	0-1 ft	11/15/2004	
RAA10-N-NO17	NO17	0-1 ft	11/15/2004	
RAA10-N-NO17.5	NO17.5	0-1 ft	11/15/2004	
RAA10-N-NO19.5	NO19.5	0-1 ft	11/17/2004	Location moved 10' South.
RAA10-N-NO20	NO20	0-1 ft	11/17/2004	
RAA10-N-NO20.5	NO20.5	0-1 ft	11/17/2004	
RAA10-N-NO21	NO21	0-1 ft	11/17/2004	
RAA10-N-NO21.5	NO21.5	0-1 ft	11/17/2004	
RAA10-N-O20.5	O20.5	0-1 ft	11/17/2004	
RAA10-N-O21	O21	0-1 ft	11/17/2004	
RAA10-N-O21.5	O21.5	0-1 ft	11/17/2004	
RAA10-N-OP20	OP20	0-1 ft	11/17/2004	
RAA10-N-OP20.5	OP20.5	0-1 ft	11/17/2004	
RAA10-N-OP21	OP21	0-1 ft	11/17/2004	
RAA10-N-OP21.5	OP21.5	0-1 ft	11/17/2004	
RAA10-N-OP22	OP22	0-1 ft	11/17/2004	
RAA10-N-P20	P20	0-1 ft	11/18/2004	
RAA10-N-P20.5	P20.5	0-1 ft	11/18/2004	
RAA10-N-P21	P21	0-1 ft	11/18/2004	
RAA10-N-P21.5	P21.5	0-1 ft	11/18/2004	
RAA10-N-P22	P22	0-1 ft	11/18/2004	
RAA10-N-P22.5	P22.5	0-1 ft	11/18/2004	
RAA10-N-PQ20	PQ20	0-1 ft	11/18/2004	
RAA10-N-PQ20.5	PQ20.5	0-1 ft	11/18/2004	Duplicate sample collected.
RAA10-N-PQ21	PQ21	0-1 ft	11/18/2004	
RAA10-N-PQ21.5	PQ21.5	0-1 ft	11/18/2004	

TABLE 1
ADDITIONAL PRE-DESIGN INVESTIGATION PCB SOIL SAMPLING LOCATIONS

SUPPLEMENTAL SAMPLING LETTER REPORT FOR NORTHERN INUNDATED WETLAND SOILS
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	DATE COLLECTED	COMMENTS
RAA10-N-PQ22	PQ22	0-1 ft	11/18/2004	
RAA10-N-PQ22.5	PQ22.5	0-1 ft	11/18/2004	
RAA10-N-Q20.5	Q20.5	0-1 ft	11/18/2004	
RAA10-N-Q21	Q21	0-1 ft	11/18/2004	
RAA10-N-Q21.5	Q21.5	0-1 ft	11/18/2004	
RAA10-N-Q22.5	Q22.5	0-1 ft	11/18/2004	
RAA10-N-QR20.5	QR20.5	0-1 ft	11/18/2004	
RAA10-N-QR21	QR21	0-1 ft	11/18/2004	
RAA10-N-QR21.5	QR21.5	0-1 ft	11/18/2004	
RAA10-N-QR22	QR22	0-1 ft	11/18/2004	
RAA10-N-QR22.5	QR22.5	0-1 ft	11/18/2004	
RAA10-N-R21	R21	0-1 ft	11/19/2004	
RAA10-N-R21.5	R21.5	0-1 ft	11/19/2004	
RAA10-N-R22	R22	0-1 ft	11/19/2004	Duplicate sample collected.
RAA10-N-R22.5	R22.5	0-1 ft	11/19/2004	
RAA10-N-RS21	RS21	0-1 ft	11/19/2004	
RAA10-N-RS21.5	RS21.5	0-1 ft	11/19/2004	
RAA10-N-RS22	RS22	0-1 ft	11/19/2004	
RAA10-N-RS22.5	RS22.5	0-1 ft	11/19/2004	
RAA10-N-RS23	RS23	0-1 ft	11/19/2004	
RAA10-N-S21.5	S21.5	0-1 ft	11/19/2004	
RAA10-N-S22.5	S22.5	0-1 ft	11/19/2004	EPA split sample.
RAA10-N-S23	S23	0-1 ft	11/19/2004	
RAA10-N-ST21.5	ST21.5	0-1 ft	11/22/2004	
RAA10-N-ST22	ST22	0-1 ft	11/22/2004	
RAA10-N-ST22.5	ST22.5	0-1 ft	11/22/2004	
RAA10-N-ST23	ST23	0-1 ft	11/22/2004	
RAA10-N-T21.5	T21.5	0-1 ft	11/22/2004	
RAA10-N-T22	T22	0-1 ft	11/22/2004	
RAA10-N-T22.5	T22.5	0-1 ft	11/22/2004	
RAA10-N-T23	T23	0-1 ft	11/22/2004	
RAA10-N-TU21.5	TU21.5	0-1 ft	11/22/2004	Duplicate sample collected.
RAA10-N-TU22	TU22	0-1 ft	11/22/2004	
RAA10-N-TU22.5	TU22.5	0-1 ft	11/22/2004	
RAA10-N-TU23	TU23	0-1 ft	11/22/2004	
RAA10-N-U21.5	U21.5	0-1 ft	11/22/2004	
RAA10-N-U22.5	U22.5	0-1 ft	11/22/2004	
RAA10-N-U23	U23	0-1 ft	11/22/2004	
RAA10-N-UV21.5	UV21.5	0-1 ft	11/23/2004	
RAA10-N-UV22	UV22	0-1 ft	11/23/2004	
RAA10-N-UV22.5	UV22.5	0-1 ft	11/23/2004	
RAA10-N-UV23	UV23	0-1 ft	11/23/2004	
RAA10-N-V21.5	V21.5	0-1 ft	11/23/2004	
RAA10-N-V22	V22	0-1 ft	11/23/2004	
RAA10-N-V22.5	V22.5	0-1 ft	11/23/2004	
RAA10-N-VW21.5	VW21.5	0-1 ft	11/23/2004	
RAA10-N-VW22	VW22	0-1 ft	11/23/2004	
RAA10-N-VW22.5	VW22.5	0-1 ft	11/23/2004	Duplicate sample collected.
RAA10-N-VW23	VW23	0-1 ft	11/23/2004	
RAA10-N-W21.5	W21.5	0-1 ft	11/23/2004	
RAA10-N-W22.5	W22.5	0-1 ft	11/23/2004	
RAA10-N-W23	W23	0-1 ft	11/23/2004	

Notes:
1. This table identifies additional soil samples collected and analyzed for PCBs as part of the pre-design investigation at the Unkamet Brook Area northern inundated wetland.

TABLE 2
SUMMARY OF ADDITIONAL PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLING

SUPPLEMENTAL SAMPLING LETTER REPORT FOR NORTHERN INUNDATED WETLAND SOILS WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Boring ID	Survey Coordinates			Date	Analyses	Sample Description/Comments
	Northing	Easting	Elevation			
RAA10-N-KL18.5	537907.8	138853.7	985.60	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-L16.5	537906.5	138828.3	984.90	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-L17	537906.4	138803.5	986.70	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-L17.5	537932.2	138878.2	986.10	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-L18	537731.9	138829.6	988.50	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-L18.5	537757.7	138904.4	986.30	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-L19	537757.3	138879.1	984.80	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-L19.5	537757.7	138829.2	984.90	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-LM16	537657.9	138903.9	988.50	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-LM16.5	537656.6	138878.5	987.50	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-LM17	537657.5	138829	988.20	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-LM17.5	537782.4	138904.3	985.20	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-LM18	537781.8	138878.9	984.90	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-LM18.5	537782	138854.5	984.70	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-LM19	537782.2	138829.5	984.90	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-LM19.5	537807	138903.1	986.40	11/16/2004	PCBs	Dark brown SILT with Organics, roots, leaves.
RAA10-N-LM20	537807.9	138878.6	986.50	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-M15.5	537681.5	138903.8	988.00	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-M16.5	537681.9	138878.8	989.00	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-M17	537807.1	138853.4	985.50	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-M17.5	537807.2	138829.3	985.00	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-M18.5	537832.4	138904.1	986.00	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-M19	537832.2	138879.3	985.60	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-M19.5	537831.7	138854.1	985.40	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-M20.5	537831.7	138829.3	985.20	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN15.5	537682.3	138854.3	988.60	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN16	537682.7	138829.1	988.60	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN16.5	537706.5	138878.4	988.30	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN17	537857.7	138903.6	985.70	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN17.5	537857.5	138879.1	985.70	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN18	537856.4	138828.6	984.80	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN18.5	537882	138903.4	985.80	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN19	537882	138878.3	985.70	11/15/2004	PCBs	Dark brown SILT with Organics.
RAA10-N-MN19.5	537882.2	138853.4	986.20	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN20	537882	138828.8	986.10	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN20.5	537882.1	138804.2	986.30	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-MN21	537906.4	138878.4	986.00	11/16/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-N16.5	537706.5	138853.8	988.30	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-N17	537707.9	138828.7	988.40	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-N17.5	537932.1	138853.7	985.80	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-N19	537931.6	138828.6	985.20	11/17/2004	PCBs	Dark brown SILT with Organics, roots, leaves.
RAA10-N-N19.5	537932.2	138803.6	985.40	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-N20	537931.5	138779.3	983.60	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-N20.5	537956.7	138879.3	986.10	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-N21	537957.4	138828.4	985.60	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-NO16.5	537731.7	138904	988.20	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-NO17	537731.6	138879.5	988.80	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-NO17.5	537732.2	138854.3	988.20	11/15/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-NO19.5	537956.7	138803.8	985.70	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-NO20	537957.4	138778.5	985.50	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-NO20.5	537982.5	138879	986.20	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-NO21	537982.6	138853.4	986.40	11/17/2004	PCBs	Dark brown SILT with Organics, roots, leaves.
RAA10-N-NO21.5	537982.1	138829.4	986.90	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-O20.5	537982.6	138803.7	986.10	11/17/2004	PCBs	Dark brown SILT with Organics, roots, leaves.
RAA10-N-O21	537981.7	138778.5	986.00	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-O21.5	537981.6	138753.4	984.80	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-OP20	538007	138879.3	986.50	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-OP20.5	538007.4	138853.9	986.10	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-OP21	538006.8	138828.8	985.90	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-OP21.5	538006.8	138803.1	986.20	11/17/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-OP22	538006.7	138779	986.00	11/17/2004	PCBs	Dark brown SILT with Organics, roots, leaves.
RAA10-N-P20	538006.8	138753.9	986.40	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-P20.5	538032.4	138853.4	986.80	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-P21	538031.9	138829.4	986.40	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-P21.5	538032.6	138804.3	986.10	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-P22	538031.4	138779	985.50	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-P22.5	538031.4	138754.3	985.10	11/18/2004	PCBs	Dark brown SILT, little fine Sand with Organics, trace roots.
RAA10-N-PQ20	538057.3	138829.1	986.90	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-PQ20.5	538057.1	138803.5	986.40	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-PQ21	538057.6	138778.8	986.00	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-PQ21.5	538082.7	138829.1	986.70	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-PQ22	538081.4	138803.5	986.90	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-PQ22.5	538082	138778.7	986.00	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-Q20.5	538082.5	138753.6	985.60	11/18/2004	PCBs	Dark brown SILT with Organics, roots.

TABLE 2
SUMMARY OF ADDITIONAL PRE-DESIGN INVESTIGATION SURFACE SOIL SAMPLING

SUPPLEMENTAL SAMPLING LETTER REPORT FOR NORTHERN INUNDATED WETLAND SOILS WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Boring ID	Survey Coordinates			Date	Analyses	Sample Description/Comments
	Northing	Easting	Elevation			
RAA10-N-Q21	538071.2	138728.5	984.70	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-Q21.5	538082	138628.6	986.40	11/18/2004	PCBs	Dark brown SILT with Organics, roots, leaves, trace Plastic debris.
RAA10-N-Q22.5	538082	138604	984.80	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-QR20.5	538081.9	138578.9	986.10	11/18/2004	PCBs	Dark brown SILT with Organics, roots. Top 0.4' highly degraded organics.
RAA10-N-QR21	538106.8	138803.7	986.60	11/18/2004	PCBs	Dark brown SILT with Organics.
RAA10-N-QR21.5	538106.5	138778.8	986.20	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-QR22	538107.4	138754.1	986.30	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-QR22.5	538107	138728.8	986.40	11/18/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-R21	538107.2	138703.2	985.90	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-R21.5	538107.3	138628.5	985.80	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-R22	538107	138603.6	986.40	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-R22.5	538107.1	138579	986.00	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-RS21	538131.2	138803.6	986.70	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-RS21.5	538132.5	138778.9	986.30	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-RS22	538132.5	138754.2	986.10	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-RS22.5	538132.4	138729.2	985.90	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-RS23	538132.6	138703.8	986.20	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-S21.5	538131.7	138678.4	985.70	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-S22.5	538131.5	138652.9	985.30	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-S23	538132.2	138628.2	985.30	11/19/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-ST21.5	538132.2	138603.1	986.20	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-ST22	538131.8	138579	986.30	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-ST22.5	538132	138553.6	985.40	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-ST23	538132.1	138528.9	986.20	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-T21.5	538157.8	138779.3	986.30	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-T22	538157.7	138729.4	986.00	11/22/2004	PCBs	Dark brown SILT with Organics, roots, leaves.
RAA10-N-T22.5	538157	138704.4	985.30	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-T23	538156.8	138679	986.00	11/22/2004	PCBs	Dark brown SILT with Organics, roots, leaves.
RAA10-N-TU21.5	538157.1	138629.2	986.60	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-TU22	538157	138604.3	985.00	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-TU22.5	538157.1	138579.1	986.50	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-TU23	538157.1	138528.8	986.40	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-U21.5	538182.6	138754.6	986.10	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-U22.5	538181.7	138728.1	985.70	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-U23	538182.2	138704.1	985.70	11/22/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-UV21.5	538181.7	138678.3	987.00	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-UV22	538182.4	138654.2	985.00	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-UV22.5	538182.6	138628.5	986.00	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-UV23	538182	138604.1	986.40	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-V21.5	538181.6	138578.2	985.80	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-V22	538181.9	138554.3	986.20	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-V22.5	538206.6	138728.5	987.10	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-VW21.5	538206.7	138703.9	985.80	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-VW22	538207.3	138679.4	986.40	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-VW22.5	538206.6	138653.6	984.70	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-VW23	538207	138628.3	985.90	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-W21.5	538207	138603.1	986.80	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-W22.5	538207.5	138578.1	986.10	11/23/2004	PCBs	Dark brown SILT with Organics, roots.
RAA10-N-W23	538232.1	138678.4	986.30	11/23/2004	PCBs	Dark brown SILT with Organics, roots.

NOTES:
1. The listed samples were collected from a depth of 0- to 1-feet below ground surface.
2. Analyses: PCB = Polychlorinated Biphenyls

TABLE 3
ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

SUPPLEMENTAL SAMPLING LETTER REPORT FOR NORTHERN INUNDATED WETLAND SOILS
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-KL18.5	0-1	11/17/2004	ND(0.14)	ND(0.14)	0.084 J	0.074 J	0.158 J
RAA10-N-L16.5	0-1	11/17/2004	ND(0.20)	ND(0.20)	0.75	0.52	1.27
RAA10-N-L17	0-1	11/17/2004	ND(0.26)	ND(0.26)	0.36	0.22 J	0.58
RAA10-N-L17.5	0-1	11/17/2004	ND(0.17)	ND(0.17)	0.11 J	0.12 J	0.23 J
RAA10-N-L18	0-1	11/16/2004	ND(0.19)	ND(0.19)	1.4	0.40	1.8
RAA10-N-L18.5	0-1	11/16/2004	ND(0.097)	ND(0.097)	0.10	0.062 J	0.162
RAA10-N-L19	0-1	11/16/2004	ND(0.095)	ND(0.095)	0.45	0.15	0.60
RAA10-N-L19.5	0-1	11/16/2004	ND(0.12)	ND(0.12)	0.89	0.21	1.1
RAA10-N-LM16	0-1	11/15/2004	ND(0.23)	ND(0.23)	1.2	0.57	1.77
RAA10-N-LM16.5	0-1	11/15/2004	ND(0.19)	ND(0.19)	0.80	0.72	1.52
RAA10-N-LM17	0-1	11/15/2004	ND(0.18)	ND(0.18)	2.2	0.98	3.18
RAA10-N-LM17.5	0-1	11/16/2004	ND(0.19)	ND(0.19)	0.65	0.61	1.26
RAA10-N-LM18	0-1	11/16/2004	ND(0.25)	ND(0.25)	0.82	0.77	1.59
RAA10-N-LM18.5	0-1	11/16/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
RAA10-N-LM19	0-1	11/16/2004	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)
RAA10-N-LM19.5	0-1	11/16/2004	ND(0.099)	ND(0.099)	0.082 J	0.075 J	0.157 J
RAA10-N-LM20	0-1	11/16/2004	ND(0.091)	ND(0.091)	0.44	0.22	0.66
RAA10-N-M15.5	0-1	11/15/2004	ND(0.18)	ND(0.18)	1.8	2.0	3.8
RAA10-N-M16.5	0-1	11/15/2004	ND(0.19)	ND(0.19)	1.0	0.85	1.85
RAA10-N-M17	0-1	11/16/2004	ND(0.16)	ND(0.16)	0.69	0.59	1.28
RAA10-N-M17.5	0-1	11/16/2004	ND(0.17)	ND(0.17)	0.13 J	0.074 J	0.204 J
RAA10-N-M18.5	0-1	11/16/2004	ND(0.11)	ND(0.11)	0.21	0.16	0.37
RAA10-N-M19	0-1	11/16/2004	ND(0.086)	ND(0.086)	0.36	0.14	0.50
RAA10-N-M19.5	0-1	11/16/2004	ND(0.12)	ND(0.12)	0.61	0.26	0.87
RAA10-N-M20.5	0-1	11/16/2004	ND(0.061)	ND(0.061)	0.21	0.023 J	0.233
RAA10-N-MN15.5	0-1	11/15/2004	ND(0.14)	ND(0.14)	1.1	2.0	3.1
RAA10-N-MN16	0-1	11/15/2004	ND(0.16)	ND(0.16)	0.60	0.72	1.32
RAA10-N-MN16.5	0-1	11/15/2004	ND(0.20)	ND(0.20)	1.7	1.6	3.3
RAA10-N-MN17	0-1	11/16/2004	ND(0.18)	ND(0.18)	2.0	1.8	3.8
RAA10-N-MN17.5	0-1	11/16/2004	ND(0.25)	ND(0.25)	1.5	1.6	3.1
RAA10-N-MN18	0-1	11/16/2004	ND(0.16)	0.21	0.71	0.43	1.35
RAA10-N-MN18.5	0-1	11/16/2004	ND(0.13)	0.20	0.55	0.42	1.17
RAA10-N-MN19	0-1	11/16/2004	ND(0.093)	ND(0.093)	0.14	0.12	0.26
RAA10-N-MN19.5	0-1	11/16/2004	ND(0.13)	ND(0.13)	0.46	0.25	0.71
RAA10-N-MN20	0-1	11/16/2004	ND(0.10)	ND(0.10)	0.53	0.15	0.68
RAA10-N-MN20.5	0-1	11/16/2004	ND(0.067) [ND(0.080)]	ND(0.067) [ND(0.080)]	0.071 [0.14]	0.027 J [0.042 J]	0.098 [0.182]
RAA10-N-MN21	0-1	11/16/2004	ND(0.079)	ND(0.079)	0.096	0.084	0.18
RAA10-N-N16.5	0-1	11/15/2004	ND(0.19)	ND(0.19)	1.6	1.7	3.3
RAA10-N-N17	0-1	11/15/2004	ND(0.21) [ND(0.23)]	ND(0.21) [ND(0.23)]	2.0 [1.8]	1.4 [1.1]	3.4 [2.9]
RAA10-N-N17.5	0-1	11/17/2004	ND(0.12)	ND(0.12)	0.74	0.55	1.29
RAA10-N-N19	0-1	11/17/2004	ND(0.14)	ND(0.14)	0.74	0.39	1.13
RAA10-N-N19.5	0-1	11/17/2004	ND(0.080)	ND(0.080)	0.20	0.12	0.32
RAA10-N-N20	0-1	11/17/2004	ND(0.086)	ND(0.086)	0.12	0.073 J	0.193
RAA10-N-N20.5	0-1	11/17/2004	ND(0.079) [ND(0.080)]	ND(0.079) [ND(0.080)]	0.14 [0.12]	0.16 [0.14]	0.30 [0.26]
RAA10-N-N21	0-1	11/17/2004	ND(0.075)	ND(0.075)	0.066 J	0.11	0.176
RAA10-N-NO16.5	0-1	11/15/2004	ND(0.20)	0.56	1.7	1.7	3.96
RAA10-N-NO17	0-1	11/15/2004	ND(0.20)	ND(0.20)	0.24	0.18 J	0.42
RAA10-N-NO17.5	0-1	11/15/2004	ND(0.26)	0.85	4.5	2.8	8.15
RAA10-N-NO19.5	0-1	11/17/2004	ND(0.10)	0.24	0.52	0.72	1.48
RAA10-N-NO20	0-1	11/17/2004	ND(0.080)	ND(0.080)	0.13	0.096	0.226
RAA10-N-NO20.5	0-1	11/17/2004	ND(0.080)	ND(0.080)	0.18	0.18	0.36
RAA10-N-NO21	0-1	11/17/2004	ND(0.083)	ND(0.083)	0.13	0.12	0.25
RAA10-N-NO21.5	0-1	11/17/2004	ND(0.075)	ND(0.075)	0.052 J	0.057 J	0.109 J
RAA10-N-O20.5	0-1	11/17/2004	ND(0.076)	ND(0.076)	0.14	0.16	0.30
RAA10-N-O21	0-1	11/17/2004	ND(0.085)	ND(0.085)	0.13	0.17	0.30
RAA10-N-O21.5	0-1	11/17/2004	ND(0.075)	ND(0.075)	0.081	0.11	0.191

TABLE 3
ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

SUPPLEMENTAL SAMPLING LETTER REPORT FOR NORTHERN INUNDATED WETLAND SOILS
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-OP20	0-1	11/17/2004	ND(0.080)	ND(0.080)	0.23	0.12	0.35
RAA10-N-OP20.5	0-1	11/17/2004	ND(0.083)	ND(0.083)	0.38	0.16	0.54
RAA10-N-OP21	0-1	11/17/2004	ND(0.087)	ND(0.087)	0.28	0.17	0.45
RAA10-N-OP21.5	0-1	11/17/2004	ND(0.088)	ND(0.088)	ND(0.088)	0.033 J	0.033 J
RAA10-N-OP22	0-1	11/17/2004	ND(0.082)	ND(0.082)	0.14	0.098	0.238
RAA10-N-P20	0-1	11/18/2004	ND(0.22)	ND(0.22)	1.6	1.4	3.0
RAA10-N-P20.5	0-1	11/18/2004	ND(0.085)	ND(0.085)	0.22	0.14	0.36
RAA10-N-P21	0-1	11/18/2004	ND(0.093)	ND(0.093)	0.44	0.12	0.56
RAA10-N-P21.5	0-1	11/18/2004	ND(0.098)	ND(0.098)	0.18	0.082 J	0.262
RAA10-N-P22	0-1	11/18/2004	ND(0.075)	ND(0.075)	0.11	0.057 J	0.167
RAA10-N-P22.5	0-1	11/18/2004	ND(0.067)	ND(0.067)	0.054 J	0.054 J	0.108 J
RAA10-N-PQ20	0-1	11/18/2004	ND(0.17)	0.89	1.7	0.92	3.51
RAA10-N-PQ20.5	0-1	11/18/2004	ND(0.13) [ND(0.14)]	0.91 [0.59]	2.1 [1.4]	1.0 [0.70]	4.01 [2.69]
RAA10-N-PQ21	0-1	11/18/2004	ND(0.090)	ND(0.090)	0.29	0.19	0.48
RAA10-N-PQ21.5	0-1	11/18/2004	ND(0.11)	ND(0.11)	0.22	0.20	0.42
RAA10-N-PQ22	0-1	11/18/2004	ND(0.090)	ND(0.090)	0.12	0.060 J	0.18
RAA10-N-PQ22.5	0-1	11/18/2004	ND(0.082)	ND(0.082)	0.077 J	0.080 J	0.157 J
RAA10-N-Q20.5	0-1	11/18/2004	ND(0.10)	0.38	0.49	0.23	1.1
RAA10-N-Q21	0-1	11/18/2004	ND(0.15)	0.23	0.64	0.32	1.19
RAA10-N-Q21.5	0-1	11/18/2004	ND(0.085)	ND(0.085)	0.31	0.14	0.45
RAA10-N-Q22.5	0-1	11/18/2004	ND(0.090)	ND(0.090)	ND(0.090)	0.18	0.18
RAA10-N-QR20.5	0-1	11/18/2004	ND(0.14)	3.1	2.3	1.6	7.0
RAA10-N-QR21	0-1	11/18/2004	ND(0.20)	1.5	5.0	1.6	8.1
RAA10-N-QR21.5	0-1	11/18/2004	ND(0.082)	ND(0.082)	0.45	0.13	0.58
RAA10-N-QR22	0-1	11/18/2004	ND(0.092)	ND(0.092)	0.14	0.12	0.26
RAA10-N-QR22.5	0-1	11/18/2004	ND(0.082)	ND(0.082)	0.44	0.16	0.60
RAA10-N-R21	0-1	11/19/2004	ND(0.18)	0.22	0.37	0.19	0.78
RAA10-N-R21.5	0-1	11/19/2004	ND(0.10)	ND(0.10)	0.36	0.19	0.55
RAA10-N-R22	0-1	11/19/2004	ND(0.12) [ND(0.11)]	ND(0.12) [ND(0.11)]	0.79 [0.56]	0.54 [0.38]	1.33 [0.94]
RAA10-N-R22.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	0.63	0.42	1.05
RAA10-N-RS21	0-1	11/19/2004	ND(0.13)	2.5	1.9	1.8	6.2
RAA10-N-RS21.5	0-1	11/19/2004	ND(0.12)	0.37	1.8	0.97	3.14
RAA10-N-RS22	0-1	11/19/2004	ND(0.11)	0.57	1.1	0.50	2.17
RAA10-N-RS22.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	0.46	0.33	0.79
RAA10-N-RS23	0-1	11/19/2004	ND(0.079)	ND(0.079)	0.24	0.16	0.40
RAA10-N-S21.5	0-1	11/19/2004	ND(0.11)	0.67	1.4	0.72	2.79
RAA10-N-S22.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	0.36	0.25	0.61
RAA10-N-S23	0-1	11/19/2004	ND(0.084)	ND(0.084)	0.18	0.13	0.31
RAA10-N-ST21.5	0-1	11/22/2004	ND(0.12)	2.6	3.8	2.4	8.8
RAA10-N-ST22	0-1	11/22/2004	ND(0.11)	0.31	1.2	0.85	2.36
RAA10-N-ST22.5	0-1	11/22/2004	ND(0.12)	0.26	0.78	0.50	1.54
RAA10-N-ST23	0-1	11/22/2004	ND(0.13)	0.094 J	0.53	0.37	0.994
RAA10-N-T21.5	0-1	11/22/2004	ND(0.14)	2.6	2.8	2.0	7.4
RAA10-N-T22	0-1	11/22/2004	ND(0.13)	1.3	2.6	1.5	5.4
RAA10-N-T22.5	0-1	11/22/2004	ND(0.093)	0.13	0.44	0.31	0.88
RAA10-N-T23	0-1	11/22/2004	ND(0.094)	ND(0.094)	0.38	0.18	0.56
RAA10-N-TU21.5	0-1	11/22/2004	ND(0.13) [ND(0.11)]	0.64 [0.25]	1.2 [0.37]	0.72 [0.23]	2.56 [0.85]
RAA10-N-TU22	0-1	11/22/2004	ND(0.12)	1.4	2.9	1.4	5.7
RAA10-N-TU22.5	0-1	11/22/2004	ND(0.11)	0.17	0.90	0.64	1.71
RAA10-N-TU23	0-1	11/22/2004	ND(0.091)	ND(0.091)	0.32	0.18	0.50
RAA10-N-U21.5	0-1	11/22/2004	ND(0.16)	1.5	1.5	0.80	3.8
RAA10-N-U22.5	0-1	11/22/2004	ND(0.13)	0.98	1.2	0.59	2.77
RAA10-N-U23	0-1	11/22/2004	ND(0.13)	0.32	1.3	0.91	2.53
RAA10-N-UV21.5	0-1	11/23/2004	ND(0.12)	3.3	1.5	1.2	6.0
RAA10-N-UV22	0-1	11/23/2004	ND(0.67)	4.0	3.9	2.8	10.7
RAA10-N-UV22.5	0-1	11/23/2004	ND(0.16)	2.4	4.7	2.9	10
RAA10-N-UV23	0-1	11/23/2004	ND(0.11)	ND(0.11)	0.63	0.43	1.06

TABLE 3
ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

SUPPLEMENTAL SAMPLING LETTER REPORT FOR NORTHERN INUNDATED WETLAND SOILS
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-V21.5	0-1	11/23/2004	ND(0.12)	3.9	2.9	2.1	8.9
RAA10-N-V22	0-1	11/23/2004	ND(0.11)	2.1	1.9	1.7	5.7
RAA10-N-V22.5	0-1	11/23/2004	ND(0.11)	0.85	1.2	0.77	2.82
RAA10-N-VW21.5	0-1	11/23/2004	ND(0.53)	6.1	4.6	3.0	13.7
RAA10-N-VW22	0-1	11/23/2004	ND(0.15)	3.8	4.0	2.1	9.9
RAA10-N-VW22.5	0-1	11/23/2004	ND(0.62) [ND(0.13)]	4.1 [2.2]	7.6 [3.5]	4.6 [2.4]	16.3 [8.1]
RAA10-N-VW23	0-1	11/23/2004	ND(0.14)	0.91	3.8	1.9	6.61
RAA10-N-W21.5	0-1	11/23/2004	ND(0.14)	3.2	2.8	2.8	8.8
RAA10-N-W22.5	0-1	11/23/2004	ND(0.10)	2.5	1.4	0.65	4.55
RAA10-N-W23	0-1	11/23/2004	ND(0.11)	1.2	4.2	2.4	7.8

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.

Data Qualifiers:

J - Indicates an estimated value less than the practical quantitation limit (PQL).

TABLE 4
INITIAL PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

SUPPLEMENTAL SAMPLING LETTER REPORT FOR NORTHERN INUNDATED WETLAND SOILS
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-M16	0-1	10/28/2003	ND(0.16)	ND(0.16)	0.86	0.54	1.4
RAA10-N-M18	0-1	10/28/2003	ND(0.17)	ND(0.17)	0.49	ND(0.17)	0.49
RAA10-N-M20	0-1	10/28/2003	ND(0.12)	ND(0.12)	ND(0.12)	0.32	0.32
RAA10-N-O20	0-1	10/28/2003	ND(0.13)	ND(0.13)	ND(0.13)	0.51	0.51
RAA10-N-O22	0-1	10/28/2003	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
RAA10-N-Q20	0-1	10/28/2003	ND(0.25)	2.1	3.4	1.6	7.1
RAA10-N-Q22	0-1	10/28/2003	ND(0.11)	ND(0.11)	ND(0.11)	0.33	0.33
RAA10-N-S22	0-1	10/28/2003	ND(0.10)	ND(0.10)	0.55	0.27	0.82
RAA10-N-U22	0-1	10/28/2003	ND(0.13)	3.7	1.9	0.80	6.4
RAA10-N-W22	0-1	10/28/2003	ND(0.12)	4.1	2.8	0.92	7.82

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. This table only includes data collected from within the protion of the northern inundated wetland that was sampled on a 25-foot grid basis as part of the additional PCB soil investigations described in this report.

TABLE 5
PROPOSED PRE-DESIGN INVESTIGATION APPENDIX IX+3 SOIL SAMPLING LOCATIONS

SUPPLEMENTAL SAMPLING LETTER REPORT FOR NORTHERN INUNDATED WETLAND SOILS
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

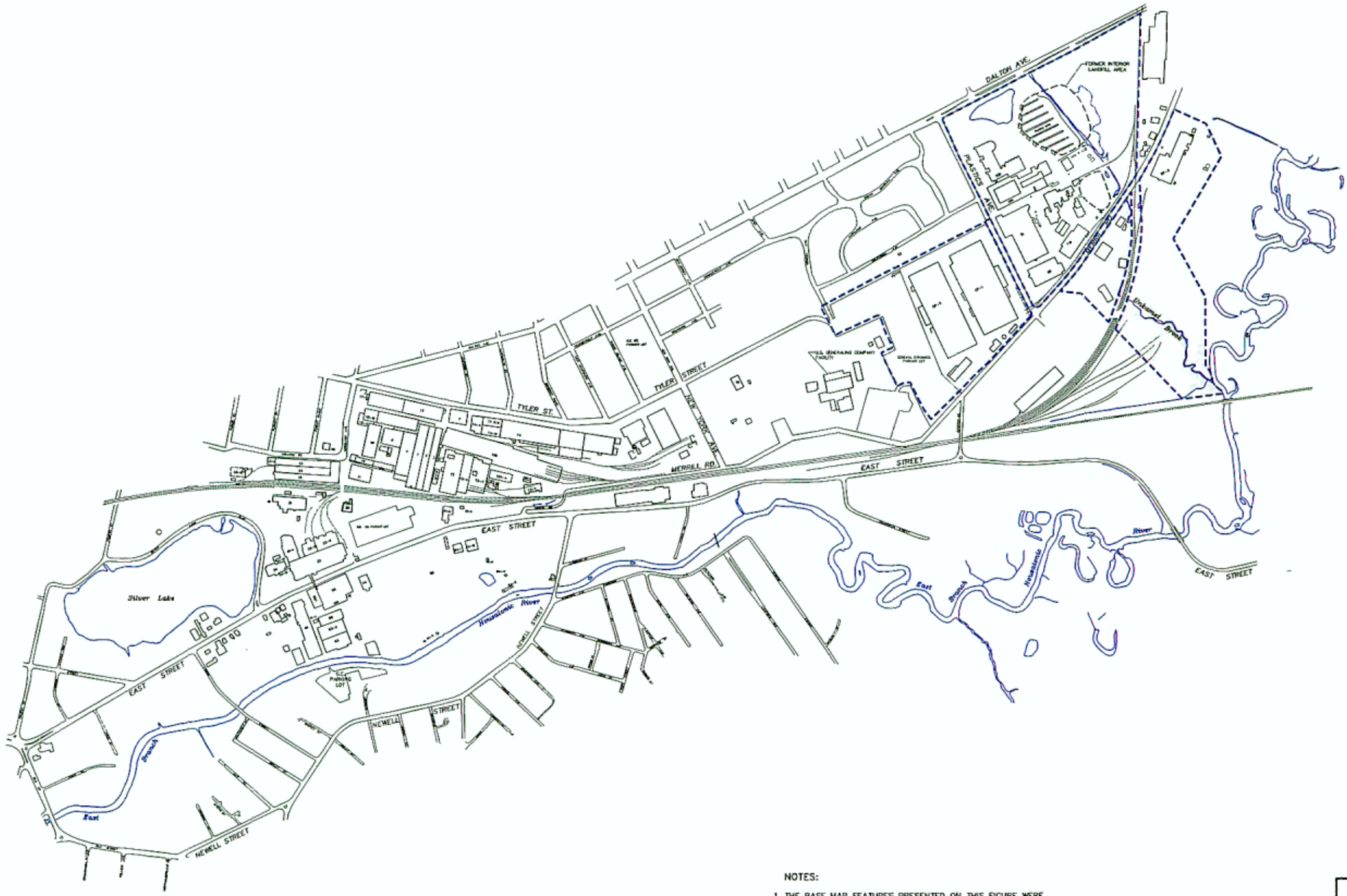
SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH
NORTH AREA		
RAA10-N-L17	L17	0-1 ft
RAA10-N-M18	M18	0-1 ft
RAA10-N-M20	M20	0-1 ft
RAA10-N-O20	O20	0-1 ft
RAA10-N-O22	O22	0-1 ft
RAA10-N-Q20	Q20	0-1 ft
RAA10-N-Q22	Q22	0-1 ft
RAA10-N-S22	S22	0-1 ft
RAA10-N-U22	U22	0-1 ft

Notes:

1. This table identifies proposed soil samples to be collected and analyzed for constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents (benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine) (Appendix IX+3) in the Unkamet Brook Area northern inundated wetland.

Figures

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



NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS. ADDITIONALLY, CONSTRUCTION PLANS PROVIDED BY GENERAL ELECTRIC COMPANY WERE USED.
2. SITE BOUNDARIES ARE APPROXIMATE.
3. NOT ALL PHYSICAL FEATURES SHOWN.

APPROXIMATE SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

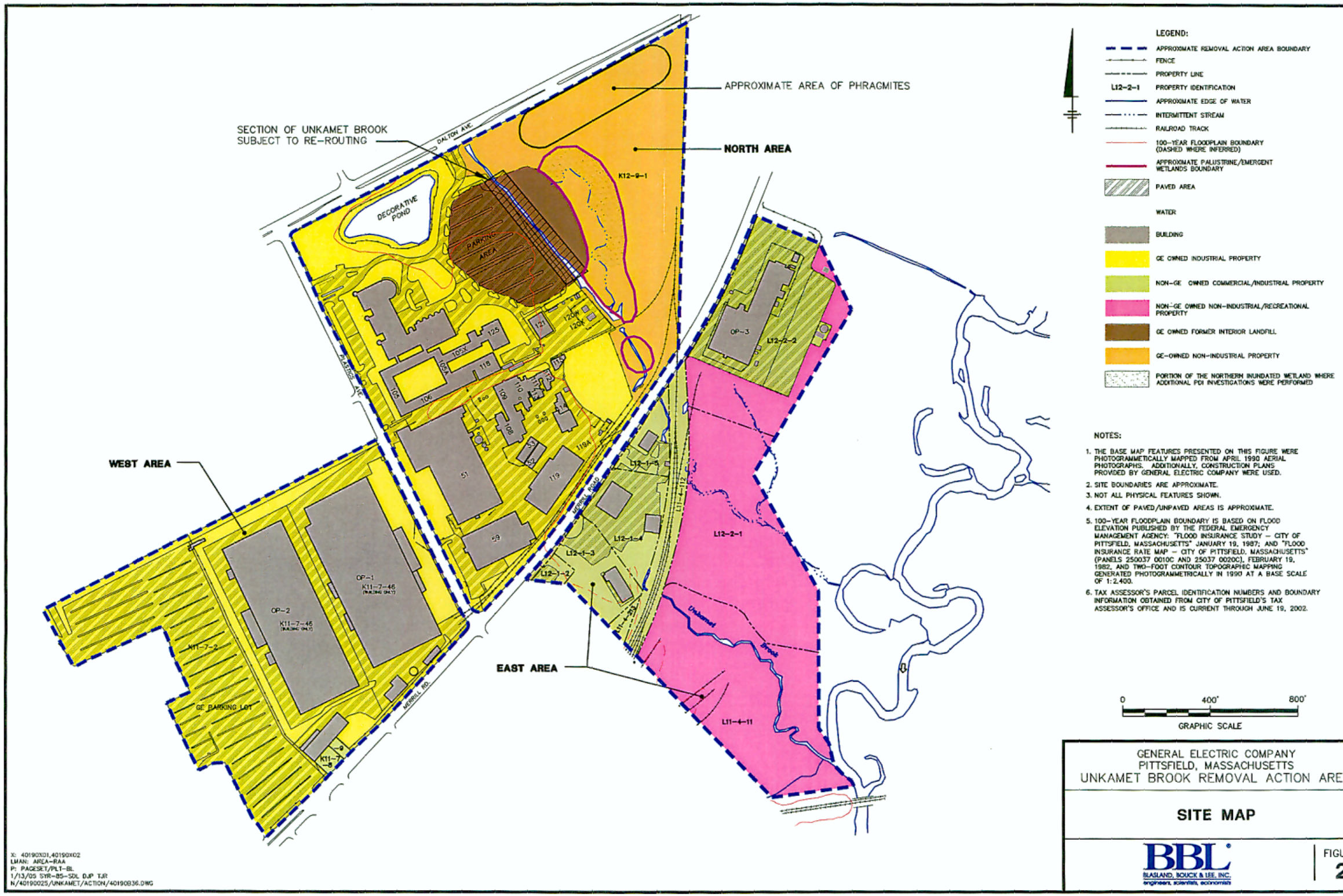
UNKAMET BROOK REMOVAL ACTION AREA

SITE LOCATION

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

FIGURE 1

L: ON=*, OFF=REF
P: STB-POP/DL
12/15/04 SYR-S4-LJP KLS DJP
N/40190025/UNKAMET/ACTION/40190837.DWG



NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS. ADDITIONALLY, CONSTRUCTION PLANS PROVIDED BY GENERAL ELECTRIC COMPANY WERE USED.
2. SITE BOUNDARIES ARE APPROXIMATE.
3. NOT ALL PHYSICAL FEATURES SHOWN.
4. EXTENT OF PAVED/UNPAVED AREAS IS APPROXIMATE.
5. 100-YEAR FLOODPLAIN BOUNDARY IS BASED ON FLOOD ELEVATION PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY: "FLOOD INSURANCE STUDY – CITY OF PITTSFIELD, MASSACHUSETTS" JANUARY 19, 1987; AND "FLOOD INSURANCE RATE MAP – CITY OF PITTSFIELD, MASSACHUSETTS" (PANELS 250037 0010C AND 25037 0020C), FEBRUARY 19, 1982, AND TWO-FOOT CONTOUR TOPOGRAPHIC MAPPING GENERATED PHOTOGRAMMETRICALLY IN 1990 AT A BASE SCALE OF 1:2,400.
6. TAX ASSESSOR'S PARCEL IDENTIFICATION NUMBERS AND BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSOR'S OFFICE AND IS CURRENT THROUGH JUNE 19, 2002.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
UNKAMET BROOK REMOVAL ACTION AREA

SITE MAP

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

FIGURE 2

X: 40190X01,40190X02
LMAN: AREA-RAA
P: PAGESET/PLT-BL
1/13/05 SYR-05-SDL DJP TJR
N/40190025/UNKAMET/ACTION/40190B36.DWG

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- FENCE
- PROPERTY LINE
- K12-9-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY (DASHED WHERE INFERRED)
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- STORM SEWER
- SANITARY SEWER
- WATER MAIN
- FIRE PROTECTION MAIN
- NATURAL GAS MAIN
- ELECTRIC/TELEPHONE CONDUIT
- 100 - FOOT PCB SAMPLING GRID
- 50 - FOOT PCB SAMPLING GRID
- 25 FOOT SAMPLING GRID

- PAVED AREA
- BUILDING
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF UNKAMET BROOK SUBJECT TO REMOVAL
- APPROXIMATE LOCATION OF BAND SURROUNDING SUBSURFACE UTILITIES (25 FEET WIDE ON EACH SIDE OF UTILITY)
- SECTION OF WETLAND PROPOSED FOR ADDITIONAL SAMPLING
- UB-SS-11 EXISTING PRE-PDI SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- UB-SB-15 EXISTING PRE-PDI SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- UB-IRA-4-C1 EXISTING PRE-PDI SEDIMENT SAMPLE LOCATION
- N-S20 EXISTING PDI SURFACE SOIL SAMPLE LOCATION (0- TO 1-FOOT SAMPLE DEPTH)

- N-KK20 EXISTING PDI SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- N-DP0 EXISTING PDI SEDIMENT SAMPLE LOCATION
- N-L-17 EXISTING PDI WETLAND SURFACE SOIL SAMPLE LOCATION (0- TO 1-FOOT SAMPLE DEPTH)
- N-B29 PROPOSED PDI SURFACE SOIL SAMPLE LOCATION
- N-E25 PROPOSED PDI SOIL BORING LOCATION
- N-M9 PROPOSED PDI SURFACE SAMPLE NOW PROPOSED TO BE CONVERTED TO SOIL BORING
- N-AA19 ADDITIONAL PROPOSED PDI SOIL BORING LOCATION

DALTON AVE.

PLASTICS AVE.

MERRILL ROAD

DECORATIVE POND

PARKING AREA

APPROXIMATE AREA OF PHRAGMITES

K12-9-1

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS. ADDITIONALLY, CONSTRUCTION PLANS PROVIDED BY GENERAL ELECTRIC COMPANY WERE USED.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. EXTENT OF PAVED/UNPAVED AREAS IS APPROXIMATE.
4. 100-YEAR FLOODPLAIN BOUNDARY IS BASED ON FLOOD ELEVATION PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY: "FLOOD INSURANCE STUDY - CITY OF PITTSFIELD, MASSACHUSETTS" JANUARY 19, 1987; AND "FLOOD INSURANCE RATE MAP - CITY OF PITTSFIELD, MASSACHUSETTS" (PANELS 250037 0010C AND 25037 0020C), FEBRUARY 19, 1982, AND TWO-FOOT CONTOUR TOPOGRAPHIC MAPPING GENERATED PHOTOGRAMMETRICALLY IN 1990 AT A BASE SCALE OF 1:2,400.
5. TAX ASSESSOR'S PARCEL IDENTIFICATION NUMBERS AND BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSOR'S OFFICE AND IS CURRENT THROUGH SEPTEMBER 20, 2002.
6. ALL LOCATIONS ARE APPROXIMATE.
7. ONLY EXISTING PCB SAMPLE LOCATIONS USED FOR CHARACTERIZATION OF SITE SOILS AND SEDIMENT ARE SHOWN ON THIS FIGURE. REFER TO MAY 2003 "REVISED PRE-DESIGN INVESTIGATION WORK PLAN FOR UNKAMET BROOK AREA REMOVAL ACTION" FOR SOIL SAMPLES THAT HAVE BEEN ELIMINATED FROM FURTHER CONSIDERATION IN THESE INVESTIGATIONS.

SUMMARY OF BANK SOIL AND SEDIMENT PCB SAMPLE RESULTS

(PPM DRY WT.)
(SAMPLE INCREMENTS IN FEET)

Location ID	0-0.5	0.5-1.0
UB-IRA-1-C1	3.61 AG [1.39]	--
UB-IRA-1-L1	52.2	--
UB-IRA-1-R1	0.725	--
UB-IRA-2-L1	203	--
UB-IRA-2-R1	1.29	--
UB-IRA-3-C1	0.972	--
UB-IRA-3-L1	173	--
UB-IRA-3-R1	2.12	--
UB-IRA-4-C1	24.8	--
UB-IRA-4-L1	12.6	--
UB-IRA-4-R1	6.2	--
UB-IRA-5-C1	3.33	--
UB-IRA-5-L1	97.6	--
UB-IRA-5-R1	7.3	--
UB-IRA-16-L1	216	--
UB-IRA-16-R1	105,000	--
UB-IRA-17-C1	46.5	--
UB-IRA-17-L1	5.13	--
UB-IRA-17-R1	532	--
UB-IRA-18-L1	15.6	--
UB-IRA-18-R1	1,140	--
UB-IRA-19-C1	36.7	--
UB-IRA-19-L1	4.38	--
UB-IRA-19-R1	4,240	--
UB-IRA-20-C1	121	--
UB-IRA-20-R1	382	--
UB-IRA-21-C1	45.6	--
UB-IRA-21-L1	3.07	--
UB-IRA-21-R1	19.6	--
USW-1	360	180
USW-2	39.0	430

SUMMARY OF SOIL AND SEDIMENT PCB SAMPLE RESULTS

(PPM DRY WT.)
(SAMPLE INCREMENTS IN FEET)

Location ID	0-2
51-1-C1A	1.4
51-1-C2A	2.9
51-1-C3A	0.07
51-1-C4A	ND(0.05)
51-1-C5A	0.06
BLDG-130-EP-C1	ND(0.06)
BLDG-130-EP-C2	ND(0.06)
BLDG-130-EP-C3	ND(0.06)
BLDG-130-EP-C4	ND(0.06)
BLDG-130-EP-C5	ND(0.06)
BLDG-130-EP-C6	ND(0.06)
BLDG-130-EP-C7	ND(0.06)
BLDG-130-EP-C8	ND(0.06)
BLDG-130-EP-C9	ND(0.06)
BLDG-130-EP-C10	ND(0.06)
ELTR-1	ND(1)
ELTR-2	ND(1)
ELTR-3	ND(1)
ELTR-4	ND(1)
ELTR-5	1.5
ELTR-6	2.2
ELTR-7	ND(1)
ELTR-8	ND(1)
ELTR-9	ND(1)
ELTR-10	ND(1)
ELTR-11	3
ELTR-12	ND(1)
ELTR-13	ND(1)
ELTR-14	ND(1)
ELTR-15	ND(1)
ELTR-16	ND(1)
ELTR-17	ND(1)
ELTR-18	ND(1)
ELTR-19	4.8
PB-C1	1.4
PB-C2	ND(0.06)
PL-125-PB-C1	1.9
PL-125-PB-C2	ND(0.06)
PL-125-PB-C3	ND(0.06)
PL-125-PB-C4	ND(0.06)
PL-125-PB-C5	ND(0.06)
PL-125-PB-C6	ND(0.06)
PL-125-PB-C7	3.8

SUMMARY OF SOIL PCB SAMPLE RESULTS

(PPM DRY WT.)(SAMPLE INCREMENTS IN FEET)

Location ID	0-0.5	0-2	0.5-2	2-4	4-5	5-6	4-6	6-8	8-10	10-12	12-14	14-16	16-18	18-20	20-22
39D (NOTE 7)	--	3.1	--	ND(0.05)	--	--	ND(0.05)	ND(0.05)	0.19	0.11	0.09	0.23	0.34	0.12	ND(0.05)
120W-11	--	6.3	--	ND(0.8)	--	--	ND(0.8)	--	--	--	--	--	--	--	--
BA-1	12	--	202	730	--	--	3.2	--	--	--	--	--	--	--	--
BA-2	17	--	0.083	0.55	0.038	ND [ND]	--	--	--	--	--	--	--	--	--
BA-3	17	--	272	ND	--	--	0.033	--	--	--	--	--	--	--	--
L-38	--	ND(1)	--	ND(1)	--	--	ND(1)	ND(1)	ND(1)	ND(1)	--	--	--	--	--
UB-SB-1	2.1	2.4	--	0.029	--	--	0.016	0.17	ND	--	--	--	--	--	--
UB-SB-2	--	--	--	0.08	--	--	ND(1.6)	ND(0.081)	--	--	--	--	--	--	--
UB-SB-3	--	8.4	--	2.3	--	--	ND(0.077)	ND(0.82)	ND(0.078)	ND(0.078)	--	--	--	--	--
UB-SB-4	--	1.5	--	1.1	--	--	--	--	--	--	--	--	--	--	--
UB-SB-7	--	6	--	0.033	--	--	1.9	4	6	--	3.4	--	0.75	3	--
UB-SB-8	--	1.4	--	0.15	--	--	2.2	6.1	10 [10]	20	--	--	--	--	--
UB-SB-9	--	1	--	0.25	--	--	4.7	0.28	0.28	0.13	--	--	--	--	--
UB-SB-10	--	0.02	--	ND(0.36)	--	--	0.033	0.063	ND(0.094)	ND(0.075)	ND(0.078)	--	--	--	--
UB-SB-12	0.2	0.85	--	ND(0.074)	--	--	ND(0.074)	ND(0.079)	--	ND(0.082)	--	--	--	--	--
UB-SB-14	4.4	--	0.2	0.96	--	--	0.19	--	--	--	0.065	--	--	--	--
UB-SB-15	--	--	--	0.025	--	--	ND(0.37)	5.7	0.35	ND(0.097) [ND(0.074)]	--	--	--	--	--
UB-SB-16	0.16	--	2.4	8.4	--	--	31	15	29	--	--	--	--	--	--
UB-SB-17	3.8	--	5.7	61	--	--	--	4.9	--	--	--	--	--	--	--
UB-SB-18	--	--	3.2	--	--	--	--	--	--	--	--	--	--	--	--
UB-SB-19	--	0.47 [0.36]	--	0.55	--	--	2.51	2.5	--	0.093	--	--	--	--	--
UB-SS-5	0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UB-SS-6	0.59 P	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UB-SS-7	0.54 P	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UB-SS-8	0.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UB-SS-9	0.3 P	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UB-SS-10	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UB-SS-11	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UB-SS-12	0.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UB-SS-13	1.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE NOTES:

1. -- = NO SAMPLE COLLECTED.
2. ND(0.05) = NOT DETECTED. DETECTION LIMIT IN PARENTHESES, (IF AVAILABLE).
3. [0.076] = DUPLICATE ANALYSIS RESULT SHOWN IN BRACKETS.
4. AG = AROCLOR 1260 WAS REPORTED BY NORTHEAST ANALYTICAL SERVICES AS THE BEST AROCLOR MATCH. THE SAMPLE EXHIBITS AN ALTERED PCB PATTERN.
5. P = THE ANALYTE IS DETECTED IN THE SAMPLE. THE PERCENT DIFFERENCES CALCULATED FROM TWO DISSIMILIAR GC COLUMNS IS GREATER THAN 25% THE VALUE SHOULD BE CONSIDERED ESTIMATED.
6. J = THE ANALYTE WAS DETECTED AND IS CONSIDERED AN ESTIMATED VALUE.
7. BORING 39D EXTENDS TO 68 FEET bgs.
8. ONLY DATA COLLECTED PRIOR TO PRE-DESIGN ACTIVITES ARE INCLUDED IN TABLES.

SUMMARY OF SOIL BORING PCB SAMPLE RESULTS 1

(PPM DRY WT.)(SAMPLE INCREMENTS IN FEET)

Location ID	0-0.5	0-0.67	0-1	0-1.5	0-2	0.5-1.5	3.5-4.5
119W-C2	ND(2)	--	--	--	--	--	--
119W-C4	2.7	--	--	--	--	--	--
119W-C6	3.2	--	--	--	--	--	--
119W-C8	1.6	--	--	--	--	--	--
119W-C10	ND(0.05)	--	--	--	--	--	--
119W-C12	8.6	--	--	--	--	--	--
NEBG-1	--	--	ND(1)	--	--	--	--
NEBG-2	--	--	ND(1)	--	--	--	--
NEBG-3	--	--	ND(1)	--	--	--	--
NEBG-4	--	--	--	ND(1)	--	--	--
NWBG-2	--	1.5	--	--	--	--	--
NWBG-3	--	--	--	--	ND(1.0)	--	--
SWBG-1	--	2.2	--	--	--	--	--
SWBG-2	--	ND(1)	--	--	--	--	--
SWBG-3	--	8.3	--	--	--	--	--
SWNG-1	ND(1)	--	--	--	--	--	--
SWNG-2	ND(1)	--	--	--	--	--	--
TRENCH A	--	--	--	--	--	100	3.1
TRENCH B	--	--	--	--	--	340	0.08
TRENCH E	--	--	--	--	--	ND(0.4)	ND(0.4)

SUMMARY OF SOIL BORING PCB SAMPLE RESULTS 2

(PPM DRY WT.)(SAMPLE INCREMENTS IN FEET)

Location ID	0-1	1-6	6-15
51G-01	2.8	0.106 [0.142]	ND(0.038)
60G-01	0.093	0.064	--
60G-02	1.54	0.53	ND(0.061)
MG-01	0.105	ND(0.035)	ND(0.036)
MG-02	0.28	0.037	ND(0.036)

SUMMARY OF SURFACE SOIL PCB SAMPLE RESULTS

(PPM DRY WT.)
(SAMPLE INCREMENTS IN FEET)

Location ID	0-1
MG-03	ND(0.045) [ND(0.041)]
MG-04	ND(0.038)
MG-05	0.30
MG-06	0.172
MG-07	0.136
MG-08	0.056
MG-09	0.136
MG-10	1.03
MG-11	7.6
MG-12	ND(0.040)
MG-13	ND(0.038)
MG-14	0.33
MG-15	0.18
MG-16	0.22
MG-17	0.252
MG-18	0.168
MG-19	0.026 J
MG-20	0.16
MG-21	0.049
MG-22	0.053
MG-23	0.26
MG-24	0.62
MG-25	0.195 [0.115]
MG-26	0.091
MG-27	0.080
MG-28	0.068
MG-29	0.021 J
MG-30	0.052 J
MG-31	0.023 J
MG-32	0.015 J
MG-33	0.035 J
MG-34	0.018 J
UFP3-R3	47
UFP3-R4	91
UFP3-R5	3
UFP3-R6	0.26
UFP3-R7	0.24
UFP3-R8	ND(0.05)
UFP3-R9	0.09
UFP3-R10	0.09
UFP3-R11	ND(0.05)

0 100' 200'
GRAPHIC SCALE

X: 40190X01, X02, X04, X05.DWG
L: ON=*, OFF=*REF*, |BOUND-PAVED, |NAME-BLDG, |TAX_NUMBERS, |HATCH-PAVED, |UNWANTED-HATCH, |UNWANTED-PAVED, |grid-25, |BLDG, |U-FIRE-REMOVED, |USEPA
P: PAGESET/SYR-DP
1/07/05 SYR-85-DMW KLS EAB
N/40190025/UNKAMET/INTERIM/40190B11.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

UNKAMET BROOK REMOVAL ACTION AREA

NORTH AREA - EXISTING AND PROPOSED PCB CHARACTERIZATION LOCATIONS

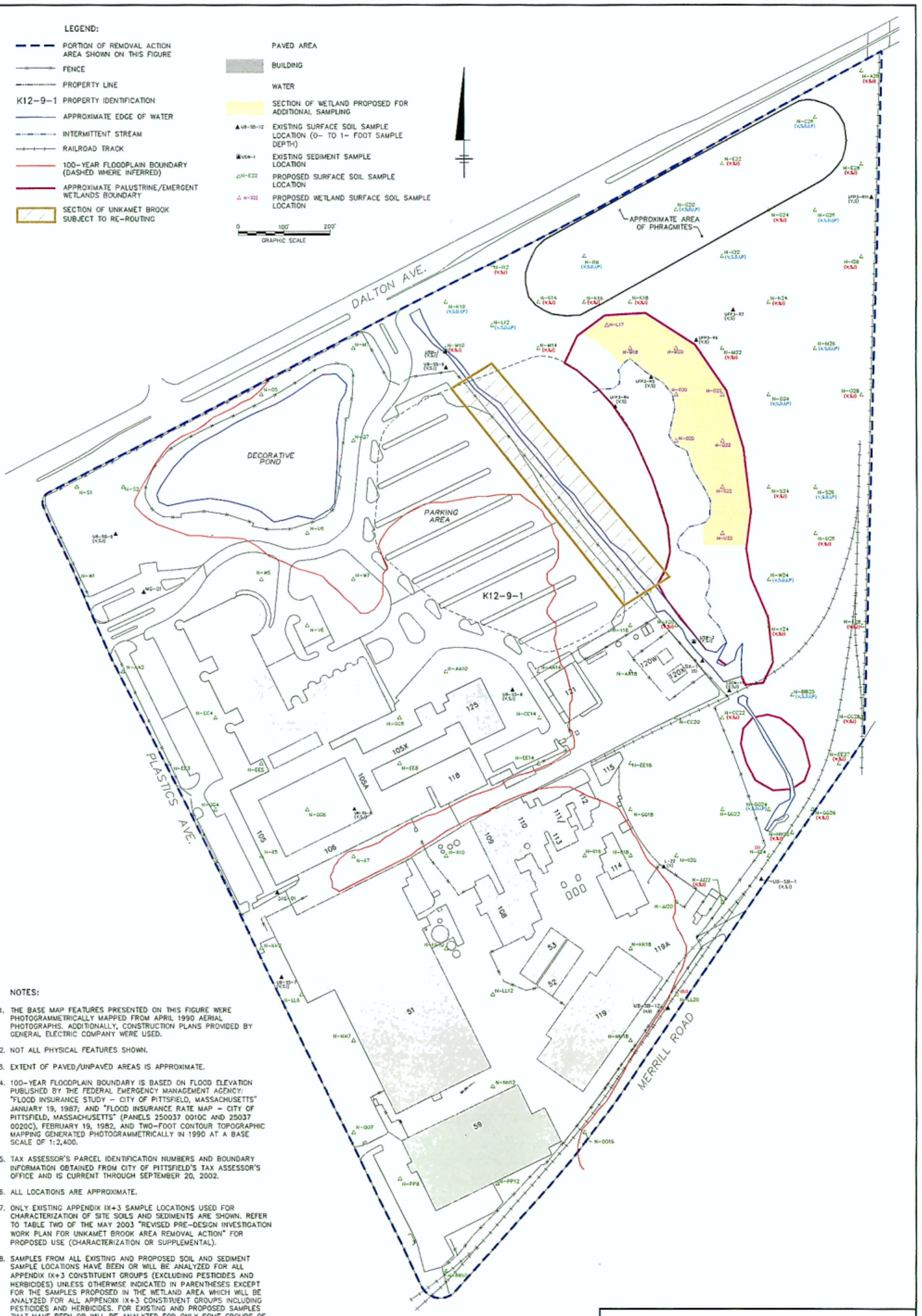
BBL
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE 3

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- FENCE
- PROPERTY LINE
- K12-9-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY (DASHED WHERE INFERRED)
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- SECTION OF UNKAMET BROOK SUBJECT TO RE-ROUTING
- PAVED AREA
- BUILDING
- WATER
- SECTION OF WETLAND PROPOSED FOR ADDITIONAL SAMPLING
- EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- EXISTING SEDIMENT SAMPLE LOCATION
- PROPOSED SURFACE SOIL SAMPLE LOCATION
- PROPOSED WETLAND SURFACE SOIL SAMPLE LOCATION

0 100' 200'
GRAPHIC SCALE



NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS. ADDITIONALLY, CONSTRUCTION PLANS PROVIDED BY GENERAL ELECTRIC COMPANY WERE USED.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. EXTENT OF PAVED/UNPAVED AREAS IS APPROXIMATE.
4. 100-YEAR FLOODPLAIN BOUNDARY IS BASED ON FLOOD ELEVATION PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY: "FLOOD INSURANCE STUDY - CITY OF PITTSFIELD, MASSACHUSETTS" JANUARY 19, 1987; AND "FLOOD INSURANCE RATE MAP - CITY OF PITTSFIELD, MASSACHUSETTS" (PANELS 250037 0010C AND 25037 0020C), FEBRUARY 19, 1982, AND TWO-FOOT CONTOUR TOPOGRAPHIC MAPPING GENERATED PHOTOGRAMMETRICALLY IN 1990 AT A BASE SCALE OF 1:2,400.
5. TAX ASSESSOR'S PARCEL IDENTIFICATION NUMBERS AND BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSOR'S OFFICE AND IS CURRENT THROUGH SEPTEMBER 20, 2002.
6. ALL LOCATIONS ARE APPROXIMATE.
7. ONLY EXISTING APPENDIX IX+3 SAMPLE LOCATIONS USED FOR CHARACTERIZATION OF SITE SOILS AND SEDIMENTS ARE SHOWN. REFER TO TABLE TWO OF THE MAY 2003 "REVISED PRE-DESIGN INVESTIGATION WORK PLAN FOR UNKAMET BROOK AREA REMOVAL ACTION" FOR PROPOSED USE (CHARACTERIZATION OR SUPPLEMENTAL).
8. SAMPLES FROM ALL EXISTING AND PROPOSED SOIL AND SEDIMENT SAMPLE LOCATIONS HAVE BEEN OR WILL BE ANALYZED FOR ALL APPENDIX IX+3 CONSTITUENT GROUPS (EXCLUDING PESTICIDES AND HERBICIDES) UNLESS OTHERWISE INDICATED IN PARENTHESES EXCEPT FOR THE SAMPLES PROPOSED IN THE WETLAND AREA WHICH WILL BE ANALYZED FOR ALL APPENDIX IX+3 CONSTITUENT GROUPS INCLUDING PESTICIDES AND HERBICIDES. FOR EXISTING AND PROPOSED SAMPLES THAT HAVE BEEN OR WILL BE ANALYZED FOR ONLY SOME GROUPS OF SUCH CONSTITUENTS, THOSE CONSTITUENT GROUPS ARE DESIGNATED IN PARENTHESES USING THE FOLLOWING DESIGNATIONS:

V = VOLATILE ORGANIC COMPOUNDS (VOCs)
S = SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
D = POLYCHLORINATED DIBENZO-P-DIOXINS (PCDDs) AND POLYCHLORINATED DIBENZOFURANS (PCDFs)
I = INORGANICS
P = PESTICIDES AND HERBICIDES (PEST/HERB)

X: 40190X01,X02,X04,X05.DWG
L: ON=*, OFF=REF, [BOUND-PAVED, [NAME-BLDG, [TAX_NUMBERS, [HATCH-PAVED, [RIVER-REMOVE, [BLDG, [U-ELEC-TELE, [U-FIRE, [U-GAS, [U-SAN, [U-STORM, [U-WATER, [USEPA
P: PAGESET/SYR-DP
1/7/05 SYR-B5-DMW DJP EAB
N/40190025/UNKAMET/ACTION/40190B38.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

UNKAMET BROOK REMOVAL ACTION AREA

NORTH AREA - EXISTING AND PROPOSED APPENDIX IX+3 SOIL AND SEDIMENT SAMPLE LOCATIONS (0- TO 1-FOOT DEPTH INTERVAL)

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

FIGURE 4

BBL

BLASLAND, BOUCK & LEE, INC.

engineers, scientists, economists