REPORT

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/ USEPA AREA 1

VOLUME II OF XIV

General Electric Company

Pittsfield, Massachusetts

January 1995

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA I

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PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF UNKAMET BROOK AREA STUDIES: 1979 - 1994

Author(s)	Associated Organization	Title and Date of Study/Investigation
OB&G	USEPA	Wastewater Characterization and Treatability, February 1979
OB&G	USEPA	Waste Stabilization Pond Closure, July 1980
OB&G	MDEQE	Past Hazardous Waste Monitoring & Remedial Actions East Plant, Volumes I and II, August 1981
G&M	MDEQE	Housatonic River Study, East Plant Area, Conrail Drilling Sites, Preliminary Data Analysis, December 1981.
OB&G	USEPA & MDEQE	Report on Past Hazardous Waste Disposal Practices, January 1982
G&M	MDEQE	Ground-Water Quality in the Vicinity of the GE Company East Plant Area, May 1982.
OB&G	USEPA & MDEQE	Study of Housatonic River - Unkamet Brook Investigation/Groundwater Investigation, June 1982
Zorex Corp.	USEPA	Ambient Air Study: Unkamet Brook Landfill Area, November 1983
G&M	USEPA & MDEQE	Unkamet Brook Area Monitoring Program, December 1983
G&M	USEPA & MDEQE	Unkamet Brook Basin Monitoring, December 1983
G&M	USEPA & MDEQE	GE - East Plant - Unkamet Brook Monitoring Program - Sampling Round 2, September 1984

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SUMMARY OF UNKAMET BROOK AREA STUDIES: 1979 - 1994

Author(s)	Associated Organization	Title and Date of Study/Investigation
G&M	USEPA & MDEQE	GE - East Plant - Unkamet Brook Monitoring Program - Sampling Round 3, January 1985
BBEPC	USEPA & MDEQE	Unkamet Brook Area Monitoring Program, November 1985
G&M	USEPA & MDEQE	Two-Year Monitoring Program, Unkamet Brook Area, 1983 - 1985 (1/1/86)
OB&G	USEPA & MDEQE	Unkamet Brook Sediment Monitoring Progra, January 1986
G&M	MDEQE	Shallow Soil Boring Program Conducted Adjacent to Building 114, February 1986
G&M	MDEQE	Evaluation of Ground-Water Conditions at the Building 59 Renovation Site, September 1986
G&M	MDEQE	Evaluation of Groundwater Conditions for the Building 51 Storm Drain Investigation, July 1987.
G&M	USEPA & MDEQE	Summary of Available Information - Petricca Construction Company Property, Merrill Road, January 1988
G&M	MDEP	Evaluation of Ground-Water Conditions, Unkamet Brook Area, April 1988

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SUMMARY OF UNKAMET BROOK AREA STUDIES: 1979 - 1994

Author(s)	Associated Organization	Title and Date of Study/Investigation
G&M	MDEP	Investigation of the Occurrence of Free Oil in the Vicinity of the Building 51/120W Storm Drain, July 1988
G&M	MDEP	Housatonic River Investigation, December 1988
G&M	MDEP	Annual Evaluation of Groundwater Conditions, Unkamet Brook Area, December 1988.
G&M	MDEP	Results of the Soil Boring Program Conducted in the Vicinity of Building 119, July 1989.
G&M	MDEP	Results of the Soil Boring Program Conducted in the Vicinity of Building 120, October 1989.
G&M	MDEP	Results of the Chlorine/Bromine Building 109 Ground-Water Sampling Program, October 1989.
G&M	MDEP	Results of the Soil Boring program Conducted in the Vicinity of Building 51A, Plastics Division, November 1989.
G&M	MDEP	Annual Evaluation of Groundwater Conditions, Unkamet Brook Area, December 1989

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SUMMARY OF UNKAMET BROOK AREA STUDIES: 1979 - 1994

Author(s)	Associated Organization	Title and Date of Study/Investigation
G&M	MDEP	Results of the Soil Borings Drilled Adjacent to Building 106, GE Plastics Division, April 1990.
BBEPC	MDEP	Unkamet Brook Area MCP Phase II Supplemental Data Summary, May 1990
G&M	MDEP	Soil Boring Program for Building 59 Hydrant, June 1990.
BBEPC	MDEP	Unkamet Brook Area MCP Phase II Scope of Work, August 1990.
OB&G	MDEP	Building OP-3 Monitoring Well Installation, Naval Industrial Reserve Ordnance Plant/PN38-029, March 1993
ERM	MM	Martin Marietta Corporation, Ground Water Sampling, MW-38 and MW-39, February 1994

Notes:

Abbreviations used:

- OB&G - O'Brien & Gere, Inc.
- G&M - Geraghty & Miller, Inc.
- BBEPC - Blasland & Bouck Engineers, P.C.
- MDEQE - Massachusetts Department of Environmental Quality Engineering (now MDEP)
- MDEP - Massachusetts Department of Environmental Protection
- USEPA - United States Environmental Protection Agency
- ERM - ERM - Northeast, Inc.
- MM - Martin Marietta

TABLE 2-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF HISTORICAL AERIAL PHOTOGRAPHS ILLUSTRATING
THE UNKAMET BROOK AREA: 1942 - 1994

Date	Photographer	Approximate Scale of Photos	General Coverage of Photos
July 13, 1942	Nat. Arch.[1]	1:16,300	Lower Unkamet Brook South of Merrill Road to the Housatonic River. Also, portions North of Merrill Road adjacent to Buildings OP-1 and OP-2.
July 3, 1952	Unknown	1:3,500	Western side of Unkamet Brook from former Interior Landfill to below Merrill Road.
November 25, 1959	CAS[2]	1:12,000	Full coverage of Unkamet Brook Area.
April 29, 1960	Unknown	1:3,300	Western side of Unkamet Brook from former Interior Landfill to below Merrill Road.
April 14, 1969	Col-East[3]	1:4,800	Full coverage of Unkamet Brook Area.
May 11, 1971	Unknown	1:3,400	Western side of Unkamet Brook from former Interior Landfill to below Merrill Road.
March 21, 1979	Col-East	1:6,000	Western side of Unkamet Brook Area from Buildings OP-1 and OP-2 to the Housatonic River.
April 13, 1983	Quinn[4]	1:12,000	Full coverage of Unkamet Brook Area.
Nov. 1, 1987	Col-East	1:19,200	Full coverage of Unkamet Brook Area.

(See notes on p. 2)

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SUMMARY OF HISTORICAL AERIAL PHOTOGRAPHS ILLUSTRATING
THE UNKAMET BROOK AREA: 1942 - 1994

Date	Photographer	Approximate Scale of Photos	General Coverage of Photos
April 23, 1990	Lockwood[5]	1:6,000	Full coverage of Unkamet Brook Area.
August 8, 1990	Col-East	1:6,000	Western side of Unkamet Brook Area from Buildings OP-1 and OP-2 to the Housatonic River.

Notes:

[1]Nat. Arch. - USGS National Archives, Washington, D.C.
[2]CAS - Colund Aerial Surveys, Inc., Pittsfield, Massachusetts
[3]Col-East - Col-East, Inc., North Adams, Massachusetts
[4]Quinn - Quinn Associates, Inc., Horsham, Pennsylvania
ckwood - Lockwood Mapping, Inc., Rochester, NY

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT
ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF ON-SITE AND ADJACENT PROPERTY OWNERS

Parcel Identification	Owner Name and Parcel Address
K11-4-5	Christopher M. Cross 316 Merrill Road Pittsfield, MA 01201
K11-5-4	Robert V. Olaughlin, Jr. 342 Merrill Road & 8 Gifford Street Pittsfield, MA 01201
K11-5-5	Eugene P. Galvagni 332-334 Merrill Road Pittsfield, MA 01201
K11-5-6	Alan M. Anthony 326 Merrill Road Pittsfield, MA 01201
K11-6-4	C M Goodrich & Son, Inc. 366 Merrill Road Pittsfield, MA 01201
K11-6-5	Ernest P. Fontaine 350 Merrill Road Pittsfield, MA 01201
K11-7-2	General Electric Company 99 New York Avenue Pittsfield, MA 01201
K11-7-8	M. Callahan, Inc. Merrill Road Pittsfield, MA 01201
K11-7-9	Viola Lubold 327 Merrill Road Pittsfield, MA 01201
K12-5-2	George D. Lafleur 172 California Avenue Pittsfield, MA 01201
K12-5-3	Donald D. Kelly 178 California Avenue Pittsfield, MA 01201
K12-5-4	David W. Martindale 182 California Avenue Pittsfield, MA 01201
K12-5-5	Barbara H. Griffin 188 California Avenue Pittsfield, MA 01201
K12-5-6	Emeline V. Daury 192 California Avenue Pittsfield, MA 01201

Parcel Identification	Owner Name and Parcel Address
K12-5-7	Ruth H. Hart 196 California Avenue Pittsfield, MA 01201
K12-5-8	Mary Jean Deiana 200 California Avenue Pittsfield, MA 01201
K12-5-9	Thomas R. Hamilton 206 California Avenue Pittsfield, MA 01201
K12-5-10	Robert M. Hart, Jr. 210 California Avenue Pittsfield, MA 01201
K12-5-11	Americo G. Belli 216 California Avenue Pittsfield, MA 01201
K12-5-12	Cynthia L. Yetz 220 California Avenue Pittsfield, MA 01201
K12-5-13	John P. Benedict 224 California Avenue Pittsfield, MA 01201
K12-5-14	Kevin E. Prendergast 230 California Avenue Pittsfield, MA 01201
K12-5-15	Burdella E. Baker 234 California Avenue Pittsfield, MA 01201
K12-5-16	Christine J. Barile 78 Plastics Avenue Pittsfield, MA 01201
K12-5-17	Christine J. Barile 78 Plastics Avenue Pittsfield, MA 01201
K12-8-2	Gerhart H. Peters 52 Plastics Avenue Pittsfield, MA 01201
K12-8-3	Thomas J. Burke 48 Plastics Avenue Pittsfield, MA 01201
K12-8-4	Harold E. Dunham 44 Plastics Avenue Pittsfield, MA 01201

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GENERAL ELECTRIC COMPANY
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MCP INTERIM PHASE II REPORT AND CURRENT
ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF ON-SITE AND ADJACENT PROPERTY OWNERS

Parcel Identification	Owner Name and Parcel Address
K12-8-5	Theresa A. Kickery 40 Plastics Avenue Pittsfield, MA 01201
K12-8-6	Kenneth W. Harder 36 Plastics Avenue Pittsfield, MA 01201
K12-8-7	Michael A. Sciola 32 Plastics Avenue Pittsfield, MA 01201
K12-8-8	Dennis M. Maston 28 Plastics Avenue Pittsfield, MA 01201
K12-8-9	Arthur F. Fitzpatrick 24 Plastics Avenue Pittsfield, MA 01201
K12-8-10	Carleen J. Carlo 20 Plastics Avenue Pittsfield, MA 01201
K12-8-11	Robert C. Wendling 16 Plastics Avenue Pittsfield, MA 01201
K12-8-12	Isabel B. Bordeau 12 Plastics Avenue Pittsfield, MA 01201
K12-8-13	Eileen M. O'Connor 4 Plastics Avenue Pittsfield, MA 01021
K12-9-1	General Electric Company Plastics Avenue and Merrill Road Pittsfield, MA 01201
K12-10-2	City of Pittsfield Walton Avenue Pittsfield, MA 01201
K12-10-3	Commonwealth of Massachusetts Dalton Avenue Pittsfield, MA 01201
K12-10-4	Edward L. Hoe 455-457 Dalton Avenue Pittsfield, MA 01201

Parcel Identification	Owner Name and Parcel Address
K13-16-1	Arnold M. Perras 481 Dalton Avenue Pittsfield, MA 01201
K13-1-10	City Savings Bank of 10 Devonshire Avenue Pittsfield, MA 01201
K13-1-11	Irwin Kallman & J. Bruce 485 Dalton Avenue Pittsfield, MA 01201
K13-1-12	Michael J. Cebula 489 Dalton Ave. Pittsfield, MA 01201
K13-1-13	Mark A. Marauszwski 501 Dalton Avenue Pittsfield, MA 01201
K13-1-14	John A. McCall 531 Dalton Avenue Pittsfield, MA 01201
K13-1-15	Abbott C. Combes III 537 Dalton Avenue Pittsfield, MA 01201
K-13-1-16	Belle R. Toplitz 549 Dalton Avenue Pittsfield, MA 01201
K13-1-17	Belle R. Toplitz 549 Dalton Avenue Pittsfield, MA 01201
K13-1-18	S&I Realty Partnership 555 Dalton Avenue Pittsfield, MA 01201
K13-1-19	Faisal I. Ali 565 Dalton Avenue Pittsfield, MA 01201
K13-1-24	Louis F. Palma 567 Dalton Avenue Pittsfield, MA 01201
K13-1-25	John Nissen Baking Co., Inc. 569 Dalton Avenue Pittsfield, MA 01201

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GENERAL ELECTRIC COMPANY
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MCP INTERIM PHASE II REPORT AND CURRENT
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SUMMARY OF ON-SITE AND ADJACENT PROPERTY OWNERS

Parcel Identification	Owner Name and Parcel Address
L11-4-11	Consolidated Rail Corp. Merrill Road Rear Pittsfield, MA 01201
L11-4-18	Mary M. Brennan 390 Merrill Road Pittsfield, MA 01201
L11-4-19	Mary M. Brennan 390 Merrill Road Pittsfield, MA 01201
L11-4-27	Richard F. Tucker 392 Merrill Road Pittsfield, MA 01201
L11-4-28	Richard F. Tucker 400 Merrill Road Pittsfield, MA 01201
L11-4-29	Richard F. Tucker 402 Merrill Road Pittsfield, MA 01201
L11-4-30	Richard F. Tucker 402 Merrill Road Pittsfield, MA 01201
L11-4-213	Petricca Construction Co. Merrill Road Rear Pittsfield, MA 01201
L12-1-2	The Grove Corp. 420 Merrill Road Pittsfield, MA 01201
L12-1-3	Berkshire Concrete Corp. Merrill Road Pittsfield, MA 01201
L12-1-4	440 Merrill Road Partnership 440-442 Merrill Road Pittsfield, MA 01201
L12-1-5	Peter N. Petricca 444 Merrill Road Pittsfield, MA 01201

Parcel Identification	Owner Name and Parcel Address
L12-2-1	Commonwealth of Massachusetts Merrill Road Pittsfield, MA 01201
L12-2-2	United States of America Merrill Road Pittsfield, MA 01201
L12-3-1	Boston and Maine Corp. RR Right of Way Pittsfield, MA 01201
L12-3-2	O'Connell Oil Associates, Inc. 545 Merrill Road Pittsfield, MA 01201
L12-3-3	O'Connell Oil Associates, Inc. 545 Merrill Road Pittsfield, MA 01201
L12-3-4	O'Connell Oil Associates, Inc. 585 Merrill Road Pittsfield, MA 01201
L13-1-1	Harold Cohen 609 Merrill Road Pittsfield, MA 01201
L13-5-1	Boston and Maine Corp. RR Right of Way Pittsfield, MA 01201
L13-5-2	Western Massachusetts Dalton Avenue Pittsfield, MA 01201
L13-5-3	Allendale Associates 900 Crane Avenue Pittsfield, MA 01201
L13-8-1	B.P. Pittsfield, Ltd. 699 Dalton Avenue Pittsfield, MA 01201

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GENERAL ELECTRIC COMPANY
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MCP INTERIM PHASE II REPORT AND CURRENT
ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF ON-SITE AND ADJACENT PROPERTY OWNERS

Notes:

1. Parcel ownership information was obtained from the City of Pittsfield Tax Assessors' office and is current through July 19, 1994.
2. Refer to Figure 2-1 for illustration of parcel locations.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN
SEDIMENT LAYER CORING ANALYSIS
(concentrations are reported in dry weight ppm)

Constituent	Sampling Location P-2 Top (6/12/79)	P-7 Top (6/12/79)	P-2 & P-7 Bottom (6/12/79)	K-1 (10/5/79)	X-2 (10/5/79)
I. VOLATILE ORGANICS					
A. Priority Pollutants					
Benzene	40	20	20	160	85
Chlorobenzene	120	100	150	1150	120
Chloroform	10	ND	ND	<1	<1
Ethylbenzene	200	100	ND	105	65
Methylene Chloride	60	30	23	1020	3800
Toluene	60	200	10	70	300
Trichloroethylene	ND	10	ND	3	170
B. Non-Priority Pollutants					
Acetone	50	20	25	NA	NA
2-Butanone	40	5	ND	NA	NA
Butyl Acetate	50	ND	ND	NA	NA
Methylcyclohexane	ND	30	ND	NA	NA
Freon TF	ND	ND	25	NA	NA

(See notes on page 4)

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GENERAL ELECTRIC COMPANY
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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN
SEDIMENT LAYER CORING ANALYSIS
(concentrations are reported in dry weight ppm)

Constituent	Sampling Location P-2 Top (6/12/79)	P-7 Top (6/12/79)	P-2 & P-7 Bottom (6/12/79)	K-1 (10/5/79)	X-2 (10/5/79)
II. METALS					
A. Priority Pollutants					
Copper	40	105	10	400	210
Chromium	250	530	90	280	280
Lead	274	584	8	110	390
Mercury	2.6	8.4	1.9	2.5	0.9
Nickel	75	98	52	40	260
Selenium	0.7	0.7	1.2	0.7	<.1
Silver	40	50	<1	70	75
Thallium	<10	<10	<10	<10	<10
Zinc	170	290	65	151	348
Antimony	2.3	3.4	0.3	0.3	0.8
Beryllium	<1	<1	<1	<1	<1
Cadium	1.6	3.2	0.8	1.2	2.9
Arsenic	3.1	3.7	2.3	4.8	3.4
III. CLASSICAL PARAMETERS					
A. Priority Pollutants					
Cyanide	<1	<1	<1	<1	2.8
Phenol (Leachable)	1.3	1.8	.6	130	460

(See notes on page 4)

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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN
SEDIMENT LAYER CORING ANALYSIS
(concentrations are reported in dry weight ppm)

Constituent	Sampling Location P-2 Top (6/12/79)	P-7 Top (6/12/79)	P-2 & P-7 Bottom (6/12/79)	K-1 (10/5/79)	X-2 (10/5/79)
IV. ACID EXTRACTIBLE ORGANICS					
A. Priority Pollutants					
Phenol	65	ND	82		
2,4,6-trichlorophenol				<10	13
V. PESTICIDES AND PCBs					
A. Priority Pollutants					
PCB 1242	16	33	ND	35	360
PCB 1254	ND	7.5	ND	1	58
PCB 1260	ND	14	ND	2	<5
VI. BASE-NEUTRAL EXTRACTIBLE ORGANICS					
A. Priority Pollutants					
Bis-(2-ethylhexyl)phthalete	<25	<25	<5	<10	
Dichlorobenzene				24*	<10
1,2,4-trichlorobenzene				<10	<10
Naphthalene				16	<10
2-Chloronaphthalene				<10	<10

(See notes on page 4)

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GENERAL ELECTRIC COMPANY
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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN
SEDIMENT LAYER CORING ANALYSIS
(concentrations are reported in dry weight ppm)

Constituent	Sampling Location P-2 Top (6/12/79)	P-7 Top (6/12/79)	P-2 & P-7 Bottom (6/12/79)	K-1 (10/5/79)	X-2 (10/5/79)
VI. BASE-NEUTRAL EXTRACTIBLE ORGANICS (Cont'd)					
A. Priority Pollutants					
Fluorene				<10	--
2-Dinitrotouiene				<10	25
Hexachlorobenzene				<10	<10
Dimethylphthalate				<10	---
Flouranthene				<10	---
Di-n-butylphthalate				<10	<10
Butyl-benzylphthalate				<10	<10
Di-n-octylphthalate				<10	---
Chrysene				12*	140*
Benzo(a)anthracene				12*	140*
4-Chloro-phenyl-ether				<10	---
Phenathrene				---	<10
Anthracene				---	<10

Notes:

1. NA - Not analyzed.
2. * = Indicates unresolved peaks.
3. Only those parameters which were detected are summarized.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN
SEDIMENT LAYER - LIMITS DETERMINATION
(concentrations are reported in dry weight ppm)

Volatiles

Sample	Benzene	Chloro-Benzene	Trichloro-ethylene	Ethyl-benzene	Methylene-chloride	Toluene	Chloroform
X-3 (11/79)							
Top							
0-9 in.	3.6	3.6	3.7	234	24	113	ND
0-16 in.	39	103	14	37	27	202	ND
16-24 in.	29	60	11	272	65	408	ND
Bottom							
24-32 in.	4.9	234	1.0	<1	23	40	ND
X-6 (11/79)							
Top							
0-8 in.	35	7	307	7.3	3330	230	ND
8-16 in.	2.7	ND	15	ND	3070	21	ND
16-24 in.	3.9	ND	10	ND	1640	13	ND
24-32 in.	0.1	11	17	ND	2950	23	ND
32-40 in.	30	136	10	ND	3250	21	1.5
40-48 in.	583	2560	492	ND	4680	188	31
Bottom							
48-56 in.	143	481	49	ND	580	8.6	39

(See notes on page 4)

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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN
SEDIMENT LAYER - LIMITS DETERMINATION
(concentrations are reported in dry weight ppm)

Volatiles (Cont'd.)

Sample	Benzene	Chloro-benzene	Trichloro-ethylene	Ethyl-benzene	Methylene-chloride	Toluene	Chloroform
X-3A (6/80)							
Top							
0-8 in.	32	43	23	83	34	127	ND
8-16 in.	19	33	12	29	40	91	ND
16-24 in.	18	49	0.5	20	41	80	ND
Bottom							
24-32 in.	6.3	57	0.7	1.2	6.3	21	ND
X-6A (6/80)							
Top							
0-8 in.	67	21	240	8.7	460	162	2.9
8-16 in.	33	5.3	100	0.2	450	49	ND
16-24 in.	87	40	170	0.2	450	52	13
24-32 in.	ND	160	320	1.6	540	200	89
32-40 in.	510	470	980	ND	1,600	560	150
Bottom							
40-48 in.	76	57	260	<0.5	1,400	2.9	43

(See notes on page 4)

TABLE 3-2
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN
SEDIMENT LAYER - LIMITS DETERMINATION
(concentrations are reported in dry weight ppm)

Metals

Sample	Copper	Chromium	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Antimony	Arsenic	Beryllium	Cadmium	Phenols
X-3 (11/79)														
Top														
0-9 in.	380	120	97	2.1	40	0.3	50	<10	220	34	1.4	<1	3.3	110
0-16 in.	120	1500	260	4.4	19	0.7	40	<10	310	<0.5	2.2	<1	1.1	300
16-24 in.	920	900	330	3.1	47	0.4	90	<10	690	0.4	2.2	<1	5.0	810
Bottom														
24-32 in.	24	25	74	0.2	15	1.0	0.1	<10	57	<0.05	1.3	<1	0.4	300
X-6 (11/79														
Top														
0-8 in.	110	20	42	1.5	10	0.3	4	<10	110	0.6	2.4	<1	1.7	3000
8-16 in.	6.5	2.6	7.2	0.07	0.3	0.2	0.1	<10	10	<0.05	0.2	<1	<0.05	3900
16-24 in.	6.0	2.6	1.6	0.2	6.8	0.3	0.1	<10	0.2	<0.05	0.2	<1	<0.05	4500
24-32 in.	11	4.5	17	0.2	15	0.3	5	<10	63	<0.05	0.4	<1	0.05	7200
32-40 in.	10	33	310	0.5	16	0.2	4.2	<10	190	<0.05	0.6	<1	0.5	8400
40-48 in.	220	380	1900	3.5	48	0.5	7	<10	530	<0.05	3.0	<1	1.2	8200
Bottom														
48-56 in.	17	15	29	0.4	7.5	1.0	0.1	<10	20	<0.05	0.9	<1	0.3	2600
X-8 (11/79)														
Top														
0-8 in.	1600	960	190	12	<11	1200	570	<110	530	<110	290	<11	<11	
8-16 in.	100	680	110	6.4	<3.6	<3.6	220	<36	460	<36	14	<3.6	<3.6	
Bottom														
16-24 in.	20	<2	<2	1.2	<2	<2	<2	<20	120	<20	6	<2	<2	

(See notes on page 4)

TABLE 3-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN
SEDIMENT LAYER - LIMITS DETERMINATION
(concentrations are reported in dry weight ppm)

Metals (Con't.d)

Sample	Copper	Chromium	Lead	Mercury	Nickel	Selenium	Silver	thallium	Zinc	Antimony	Arsenic	Beryllium	Cadmium	Phenols
X-3A (6/80)														
Top														
0-8 in.	600	3,240	367		46.5	1.1	200	<10	824	22	9.2	<1	5.6	0.3
8-16 in.	100	2,780	326	12	43.5	<0.5	190	<10	635	2.5	4.3	<1	5.2	0.4
16-24 in.	180	725	143	3.9	22.0	0.3	50	<10	304	0.86	3.8	<1	3.3	0.7
Bottom														
24-32 in.	0.5	25.5	15.5	.042	15.5	1.2	<1	<10	63.7	<0.05	1.5	<1	0.5	0.6
X-6A (6/80)														
Top														
0-8 in.	96.6	17.5	30.0	1.8	29.5	0.32	10	<10	72.0	1.8	1.4	<1	1.5	<0.1
8-16 in.	9.6	2.3	<0.5	0.10	0.5	0.29	2.0	<10	14	<0.5	0.18	<1	<0.05	0.6
16-24 in.	17.7	4.5	14.5	0.26	17.0	0.19	5.0	<10	45.8	<05	0.32	<1	0.05	0.6
24-32 in.	171	965	4,310	6.1	32	0.8	30	<10	1,610	1.5	3.3	<1	2.30	0.7
32-40 in.	124	353	3,030	2.0	21	0.7	50	<10	797	0.53	4.5	<1	3.0	<0.1
Bottom														
40-48 in.	11.5	860	14.5	0.20	5.5	0.7	<0.1	<10	17	0.2	1.1	<1	0.3	0.4

Notes:

1. Only those priority pollutants detected are summarized.

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TABLE 3-3

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN AQUEOUS LAYER ANALYSES
(Results are reported in ppm)

	Lower Aqueous Layer Oct. 1979	Upper Aqueous Layer Oct. 1979	Lower/Upper Aqueous Layer March 1980
Conventional			
SPCOND	14000	400	2000
pH	9.5	6.8	9.1
TOC	1700	70	180
COD	NA	NA	745
NH3N	NA	NA	0.11
TKN	NA	NA	0.1
NO2	NA	NA	NA
BOD5	900	20	60
BOD28	1000	40	400
TSS	80	5	60
TDS	NA	NA	3090
Volatiles			
Benzene	1.1	0.20	0.3
Bromomethane	0.08	0.02	NA
Chlorobenzene	0.70	0.10	0.06
Trichloroethylene	0.43	0.05	NA
Tetrachloreothylene	0.01	0.03	NA
Chlorform	0.20	0.25	NA
Ethylbenzene	2.60	1.20	NA
Methylene Chloride	49	19	12
Toluene	16	26	0.8
Xylene	NA	NA	2.6
Metals			
Copper	0.1	0.15	0.017
Chromium	0.05	0.12	0.008
Lead	<0.01	<0.01	<0.024
Mercury	<0.001	0.015	<0.013
Nickel	0.02	0.02	<0.015

(See notes on page 2)

TABLE 3-3
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN AQUEOUS LAYER ANALYSES
(Results are reported in ppm)

	Lower Aqueous Layer Oct. 1979	Upper Aqueous Layer Oct. 1979	Lower/Upper Aqueous Layer March 1980
Metals (Cont'd.)			
Selenium	<0.001	<0.001	<0.068
Silver	<0.002	<0.002	<0.004
Thallium	<0.01	<0.01	NA
Zinc	0.04	0.15	0.319
Antimony	0.007	0.003	<0.026
Arsenic	0.002	0.005	<0.11
Beryllium	<0.001	<0.001	<0.0011
Cadmium	<0.001	<0.001	<0.004
Acid Extractible Organics			
Phenol	0.99	0.89	NA
Pesticides and PCBs			
PCB-1242	0.008	0.001	0.003
Base Neutral Extractible Organics			
Dichlorobenzene	0.026	<0.01	NA
Naphthalene	<0.01	<0.01	NA

Notes:

1. NA - indicates that analyses have not been conducted.
2. Priority pollutants that have been analyzed but not detected, have not been included on this table.
3. Abbreviations Used:
   - SPCOND = Specific Conductance
   - TOC = Total Organic Carbon
   - COD = Chemical Oxygen Demand
   - NH3N = Ammonia Nitrogen
   - TKN = Total Kjeldahl Nitrogen
   - NO2 = Nitrite
   - BOD5 = Biochemical Oxgen Demand (5-day)
   - BOD28 = Biochemical Oxygen Demand (28-day)
   - TSS = Total Suspended Solids
   - TDS = Total Dissolved Solids

TABLE 4-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 1B 7/79	8/79	10/79	12a/79
pH (Std. units)	7.8			
TOC	350			
Conductivity (umhos/cm)	5,200			
Benzene			7	
Chlorobenzene	6	5	13	7
Methylene Chloride			18	
Phenols	0.43			

PARAMETER	WELL 2A 7/79	8/79	9/79	10/79	12a/79	12b/79	12c/79	12/83	4-5/84	10/84	4-5/85
pH (Std. units)	7.4							8.10	7.35	6.10	9.10
TOC	100							350	280	400	360
Conductivity (umhos/cm)	210							56	59	40	140
Benzene				23				150	150	94	270
Chlorobenzene	27	90		85	190	78		0.099			
Chloroform								0.054			
Ethylbenzene										28	
Methylene Chloride				46				0.021			
Tetrachloroethylene								3.6	3.4		
Toluene								46	51	35	56
Trichloroethylene				42							
Phenols	0.20						0.13				
Zinc											
PCBs (ug/l)	7.40		7.4								

(See notes on page 50)

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TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 2B 7/79	8/79	10/79	12a/79	12a/79	12/83	4-5/84	10/84	4-5/85
	7.6					6.85	7.15	6.40	7.55
TOC	390					650	540	575	700
Conductivity (umhos/cm)	980					4.7	4.2		3.0
Benzene			108						
Chlorobenzene	150	160	280	230	180	33	31	17	25
Ethylbenzene						0.7			
Methylene Chloride			51			0.69	3.9	6.3	5.0
Tetrachloroethylene						0.12			
Toluene						0.96			
Trans-1,2-dichloroethylene						0.12			
Trichloroethylene			3						
Trichlorofluoromethane						0.41			
Phenols			0.43						

PARAMETER	WELL 3A 7/79	8/79
pH (Std. units)	7.5	
TOC	58	
Conductivity	136	
Chlorobenzene		210
Phenols	0.04	

PARAMETER	WELL 3B 7/79
pH (Std. units)	7.8
TOC	280
Conductivity	860
Chlorobenzene	13

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 4A		
PARAMETER	7/79	10/79	12a/79
pH (Std. units)	7.7		
TOC	130		
Conductivity (umhos/cm)	120		
Benzene		5	
Chlorobenzene	14	4	1-10
Methylene Chloride		920	
Trichloroethylene		2	

	WELL 4B		
PARAMETER	7/79	10/79	12a/79
pH (Std. units)	7.1		
TOC	190		
Conductivity (umhos/cm)	110		
Benzene		37	
Chlorobenzene	3	21	10-100
Methylene Chloride		1300	
Trichloroethylene		15	

	WELL 5A
PARAMETER	7/79
pH (Std. units)	7.9
TOC	134
Conductivity (umhos/cm)	75

	WELL 5B	
PARAMETER	7/79	10/79
pH (Std. units)	7.5	
TOC	1000	
Conductivity (umhos/cm)	370	
Trichloroethylene		4

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 6A	
PARAMETER	7/79	10/79
pH (Std. units)	7.4	
TOC	230	
Conductivity (umhos/cm)	220	
Chlorobenzene		4
Methylene Chloride		5
Phenols	0.02	

	WELL 6B				
PARAMETER	7/79	8/79	10/79	12a/79	12b/79
pH (Std. units)	7.2				
TOC	530				
Conductivity (umhos/cm)	5,200				
Benzene			4		
Chlorobenzene		12	11	10-100	15
Methylene Chloride			8		
Phenols	0.02				

	WELL 7A
PARAMETER	7/79
pH (Std. units)	7.3
TOC	100
Conductivity (umhos/cm)	140

	WELL 7B
PARAMETER	7/79
pH (Std. units)	7.2
TOC	400
Conductivity (umhos/cm)	290

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 8A
PARAMETER	7/79
pH (Std. units)	7.7
TOC	200
Conductivity (umhos/cm)	360

	WELL 8B	
PARAMETER	7/79	8/79
pH (Std. units)	7.4	
TOC	88	
Conductivity	420	
Chlorobenzene		3

	WELL 9A
PARAMETER	7/79
pH (Std. units)	7.8
TOC	360
Conductivity	440
Phenols	0.01

	WELL 9B	
PARAMETER	7/79	8/79
pH (Std. units)	7.5	
TOC	45	
Conductivity (umhos/cm)	330	
Chlorobenzene		8.3
Phenols	0.01	

WELL 10A

NO COMPOUNDS ABOVE DETECTION LIMITS

(See notes on page 50)

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TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 10B
PARAMETER	9/79
PCBs (ug/l)	0.57

WELL 11A
NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 11B
NO COMPOUNDS ABOVE DETECTION LIMITS

	WELL 12A					
PARAMETER	11/79	12a/79	12c/79	1/80	6d/80	3/81
Benzene				0.9		1.9
Chlorobenzene		2.0		1.8		3.6
Methylene Chloride				0.18		
Toluene						0.15
Phenols	0.00019					
Zinc			14			
Calcium					18	
Chloride					280	
Iron					0.29	
Magnesium					8	
Sodium					130	
PCBs (ug/l)			1.0			

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 12B 11/79	12a/79	12c/79	1/80	6/80	6d/80	3/81
Benzene				0.02			2.0
Chlorobenzene		10.		0.07			5.9
Toluene	0.00009						0.031
Phenols			0.39				
Zinc						29.0	
Calcium						380.0	
Chloride						0.38	
Iron						10.0	
Magnesium						180.0	
Sodium			7.3		2.0		
PCBs (ug/l)							

PARAMETER	WELL 12C 6d/80	3/81
Benzene		0.44
Chlorobenzene		0.84
Methylene Chloride		0.006
Toluene		0.32
Calcium	24.0	
Chloride	3,100	
Iron	0.14	
Magnesium	9.0	
Sodium	1,400	

PARAMETER	WELL 12D 6d/80	3/81
Benzene		2.1
Chlorobenzene		3.7
Methylene Chloride		0.007
Trichloroethylene		0.002
Calcium	22.0	
Chloride	170.0	
Magnesium	11.0	
Sodium	65.0	

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 13A 12a/79	1/80	6d/80
Benzene		7.9	
Chlorobenzene	45.0	27.	
Methylene Chloride		2.7	
Calcium			35.0
Chloride			1,800
Iron			0.67
Magnesium			13.0
Sodium			1,200

PARAMETER	WELL 13B 12a/79	12c/79	6/80	6d/80
Chlorobenzene	3.0			
Calcium				70.0
Chloride				32
Iron				0.05
Magnesium				100.0
Sodium				16.0
PCBs (ug/l)		7.9	2.6	

PARAMETER	WELL 13C 6d/80
Calcium	21.0
Chloride	16.0
Magnesium	10.0
Sodium	16.0

PARAMETER	WELL 13D 2/80
Chlorobenzene	3.0

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 14A			
PARAMETER	12a/79	1/80	3/81	2/82
Benzene			0.052	0.017
Chlorobenzene	3.0	0.030	0.13	0.038
Methylene Chloride			0.008	
Trichloroethane		0.070	0.110	
Toluene			0.005	0.025
1,1,1-Trichloroethane			0.001	
Trichloroethylene				0.005
Tetrachloroethylene				0.002
Xylene				0.004

	WELL 14B				
PARAMETER	12a/79	12c/79	1/80	3/81	2/82
Benzene			0.013	0.046	0.027
Chlorobenzene	3.0		0.020	0.190	0.016
Methylene Chloride			0.013	0.001	
Trichloroethylene			0.013	0.120	0.100
Toluene				0.005	0.002
1,1,1-Trichloroethane				0.002	
PCBs (ug/l)		0.1			
Trichloroethlene					0.034
Tetrachloroethylene					0.006

	WELL 14C		
PARAMETER	2/80	3/81	2/82
Benzene		0.009	0.001
Chlorobenzene	3.0	0.008	0.008
Methylene Chloride		0.001	
Trichloroethylene		0.001	0.003
Toluene		0.005	0.034
1,1,1-Trichloroethene		0.001	
Xylene			0.002

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 15A 12a/79	1/80	6d/80	3/81	2/82
Benzene		0.024		0.019	
Chlorobenzene	3.0	0.024		0.001	
Methylene Chloride		0.024		0.010	0.002
Trichloroethylene		0.024		3.4	1.6
Toluene				0.005	
1,1,1-Trichloroethene				0.010	
Calcium			17.0		
Chloride			110.0		
Magnesium			38.0		
Sodium			20.0		

PARAMETER	WELL 15B 12a/79	12c/79	1/80	5/80	6d/80	3/81	2/82
Benzene						0.005	
Chlorobenzene	3.0					0.001	
Methylene Chloride						0.001	
Trichloroethylene			0.020			0.002	0.028
Toluene						0.005	
1,1,1-Trichloroethane						0.001	
Calcium					84.0		
Chloride					220.0		
Magnesium					21.0		
Sodium					150.0		
PCBs (ug/l)		0.44		0.23			

PARAMETER	WELL 15C 2/80	6d/80	3/81	2/82
Benzene			0.009	
Chlorobenzene	3.0		0.012	
Trichloroethylene			0.025	
Calcium		18.0		
Chloride		46.0		
Magnesium		13.0		
Sodium		22.0		
Methylene Chloride				0.002
Freon-12				0.002
Toluene				0.002

(See notes on page 50)

TAble 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 16A 11/79	12a/79	1/80	4/80	5/80	6d/80	3/81	2/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)									6.75	6.45*	6.6	7.3
Conductance (umhos/cm)									4,500	3,550*	6,000	8,500
Benzene			1.7	10.0			21.0	13.0	18.25*	23.25*	22.0*	21.25*
Chlorobenzene		44.0	4.3	3.2			54.0	31.0	73.25*	60.5*	63.75*	57.75*
1,2-Dichlorobenzene			0.090									
1,4-Dichlorobenzene			0.220									
Methylene Chloride							0.570	0.53	1.2*		5.625*	
Naphthalene	0.070											
Trichloroethylene							0.600		3.2*	3.275*		2.5
Trichlorofluoromethane								0.820				
Toluene							0.630	0.550	0.808*			
Trans-1,2-dichloroethylene									0.620*			
Phenols	2.9											
Zinc					52							
Calcium						79.0						
Chloride						2,900						
Iron						0.05						
Magnesium						14.0						
Sodium						1,700						

PARAMETER	WELL 16B 12c/79	5/80	6d/80	3/81	2/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)						6.60	7.05*	6.40	6.70
Conductance (umhos/cm)						575	475*	590	500
Benzene					0.002				
Chlorobenzene					0.002				
Methylene Chloride				0.002	0.004				
Zinc		1.5							
Calcium			57.0						
Chloride			35.0						
Iron			0.34						
Magnesium			15.0						
Sodium			15.0						
PCBs (ug/l)	0.46								

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 16C 11/79	2/80	4/80	5/80	6d/80	3/81	2/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)								7.70	7.10*	7.00	8.50
Conductance (umhos/cm)								250	337.5*	330	280
Benzene			1.4			0.280		0.059*	0.315*	0.039*	0.050*
Chlorobenzene		1.2	3.1			0.540	0.005	0.475*	0.600*	0.105*	0.083*
Methylene Chloride						0.001	0.003				
Toluene						0.008					
Trichloroethylene							0.003	0.018*			
Phenols	0.220										
Zinc				2.1							
Calcium					24.0						
Chloride					160.0						
Magnesium					12.0						
Sodium					89.0						

PARAMETER	WELL 16E 6d/80	3/81	12/83	4-5/84	10/84	4-5/85
pH (Std. units)			7.7	7.36*	7.4	7.35
Conductance (umhos/cm)			200	174*	250	200
Methylene Chloride		0.005				
Trichloroethylene			0.010*			
Calcium	19.0					
Chloride	10.0					
Magnesium	11.0					
Sodium	4.0					

PARAMETER	WELL 17A 6d/80	3/81
Trichloroethylene		0.003
Calcium	49.0	
Chloride	43.0	
Iron	35.0	
Magnesium	15.0	
Sodium	19.0	

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 17B	
PARAMETER	6d/80	3/81
Chlorobenzene		0.006
Toluene		0.012
Calcium	40.0	
Chloride	34.0	
Iron	1.6	
Magnesium	2.0	
Sodium	16.0	

	WELL 18A	
PARAMETER	6d/80	3/81
Methylene Chloride		0.009
Calcium	62.0	
Chloride	19.0	
Iron	0.09	
Magnesium	25.0	
Sodium	10.0	

	WELL 18B
PARAMETER	6d/80
Calcium	72.0
Chloride	57.0
Magnesium	26.0
Sodium	15.0

	WELL 19A
PARAMETER	6d/80
Calcium	38.0
Chloride	110.0
Magnesium	34.0
Sodium	38.0

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 19B	
PARAMETER	12/79	6d/80
PCBs (ug/l)	0.73	
Calcium		60.0
Chloride		500.0
Magnesium		20.0
Sodium		350.0

	Sample 19AB**
PARAMETER	5/80
Lead	0.18
Zinc	2.44
Chromium	0.46

WELL 20A
NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 20B
NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 21A
NO COMPOUNDS ABOVE DETECTION LIMITS

	WELL 21B
PARAMETER	12c/79
PCBs (ug/l)	0.05

WELL 22A
NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 22B
NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 23A
NO COMPOUNDS ABOVE DETECTION LIMITS

(See notes on page 50)

TAb.__ 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

WELL 23B

NO COMPOUNDS ABOVE DETECTION LIMITS

PARAMETER	Sample 23AB** 6d/80
Zinc	1.3
Chromium	0.02

PARAMETER	Sample 24AB** 5/80
Lead	0.06
Nickel	0.05
Zinc	0.57
Chromium	0.05
Copper	0.08

PARAMETER	Sample 25AB** 5/80
Lead	0.15
Nickel	0.36
Zinc	2.28
Chromium	0.71
Copper	0.36

PARAMETER	Sample 26AB** 5/80
Lead	0.14
Nickel	0.39
Zinc	2.99
Chromium	0.43
Copper	0.34

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	Sample 27AB**			
PARAMETER	5/80	10/80	12/80	3/82
1,1-Dichloroethane			0.350	
Trichloroethylene		0.010		
Toluene		0.315		0.005
Lead	0.08			
Nickel	0.21			
Zinc	11.5			0.00032
Chromium	0.17			
Copper	0.20			

	Sample 28AB**
PARAMETER	5/80
Lead	0.36
Nickel	0.63
Zinc	16.3
Chromium	0.79
Copper	0.64

	WELL 29A
PARAMETER	6d/80
Calcium	24.0
Chloride	26.0
Magnesium	17.0
Sodium	7.1

	WELL 29B	
PARAMETER	5/80	6d/80
Calcium		76.0
Chloride		170.0
Magnesium		28.0
Sodium		91.0
PCBs (ug/l)	1	

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	Sample 29AB**			
PARAMETER	4/80	5/80	10/80	3/82
Trichloroethylene	0.060			
Toluene				0.003
Chloroform			0.017	
Lead		0.29		
Nickel		0.44		
Zinc		10.5		0.00008
Chromium		0.34		
Copper		0.56		
PCBs (ug/l)	1			

	WELL 30A
PARAMETER	6d/80
Calcium	10.0
Chloride	70.0
Magnesium	2.8
Sodium	45.0

	WELL 30B
PARAMETER	6d/80
Calcium	64.0
Chloride	530.0
Magnesium	40.0
Sodium	250.0

	Sample 30AB**
PARAMETER	5/80
Lead	0.09
Nickel	0.09
Zinc	10.2
Chromium	0.29
Copper	0.10

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 31A
PARAMETER	6d/80
Calcium	27.0
Chloride	100.0
Iron	0.09
Magnesium	25.0
Sodium	47.0

	WELL 31B	
PARAMETER	6d/80	3/82
Calcium	35.0	
Chloride	43.0	
Magnesium	11.0	
Sodium	28.0	
Zinc		0.00002

	Sample 31AB**		
PARAMETER	1/80	4/80	5/80
Benzene	0.060		
Methylene Chloride		0.020	
Zinc			4.2

	Sample 32AB**
PARAMETER	5/80
Lead	0.03
Nickel	0.05
Zinc	1.88
Chromium	0.06
Copper	0.075

	Well 33A
PARAMETER	3/81
Benzene	0.750
Chlorobenzene	0.003
Trichloroethylene	1.40
Toluene	0.006

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 33B		
PARAMETER	3/81		
Benzene	0.062		
Chlorobenzene	0.031		
Trichloroethylene	0.018		
1,1,1-Trichloroethane	0.010		

	WELL 34A		
PARAMETER	1/80	6d/80	10/80
Benzene	0.013		
Trichloroethylene	0.620		0.014
Toluene		40.0	
Calcium		63.0	
Chloride		0.09	
Iron		22.0	
Magnesium		18.0	
Sodium			

	WELL 34B		
PARAMETER	1/80	6d/80	10/80
Chlorobenzene	0.004		
Methylene Chloride	0.012		
Trichloroethylene	0.460		0.006
Toluene		87.0	
Calcium		10.0	
Chloride		36.0	
Magnesium		7.4	
Sodium			

	Sample 34AB**		
PARAMETER	1/80	4/80	5/80
Benzene	1.5		
Trichloroethylene		0.960	
Zinc			0.60

(See notes on page 50)

TAB. 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 35A		
PARAMETER	6d/80		
Calcium	33.0		
Chloride	86.0		
Iron	0.09		
Magnesium	30.0		
Sodium	15.0		

	Sample 35AB**		
PARAMETER	4/80	5/80	10/80
Trichloroethylene	0.490		
Toluene			0.012
Zinc		15	
Chromium		0.05	

	WELL 36A	
PARAMETER	4/80	3/81
Chlorobenzene	0.086	
Trichloroethylene		0.620

	WELL 36B	
PARAMETER	4/80	3/81
Chlorobenzene	0.061	
Trichloroethylene		0.460

	Sample 37AB**		
PARAMETER	1/80	4/80	5/80
Chlorobenzene	0.049		
Methylene Chloride		0.100	
Zinc			1.3

	WELL 38A		
PARAMETER	1/80	4/80	5/80
Benzene		0.060	
Chlorobenzene	0.150		
Zinc			6.5

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	Sample 38AB**						
PARAMETER	1/80						
Chlorobenzene	0.005						

	WELL 39A						
PARAMETER	1/80	4/80	5/80	12/83	2-5/84	10/84	4-5/85
Conductance (umhos/cm)					458*	925	625
Benzene				5.3*	4.1*		5.3*
Chlorobenzene	3.1			120*	86.3*	41.5*	89.5*
1,2-Dichlorobenzene	0.070						
1,4-Dichlorobenzene	0.130						
Methylene Chloride						2.58*	
Toluene				0.75*			
Trichloroethylene		0.370		76.8*	52.5*	20.8*	55.3*
Zinc			0.07				
pH (Std. units)					8.35*	7.45	8.60

	WELL 39B						
PARAMETER	1/80	4/80	5/80	12/83	4-5/84	10/84	4-5/85
pH (Std. units)					7.15*	7.10	7.00
Conductance (umhos/cm)					358*	1,300	340
Benzene		14.0		1.4*		1.6*	1.6*
Chlorobenzene				15.5*	15.3*	10.3*	14.0*
Ethylbenzene				0.295*			
1,2-Dichlorobenzene	0.070						
1,4-Dichlorobenzene	0.160						
Toluene				0.325*			
Trans-1,2-dichloroethylene				1.08*		1.98*	
Trichloroethylene		13.0		0.563*			
Phenols			0.510				1.0

	Sample 39AB**
PARAMETER	1/80
Chlorobenzene	4.6

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 40A		
PARAMETER	1/80	4/80	5/80
Benzene	0.340		
Chlorobenzene		0.570	
Zinc			14
	WELL 40B		
PARAMETER	1/80	4/80	5/80
Methylene Chloride		73	
1,4-Dichlorobenzene	0.070		
Zinc			0.14
	Sample 40AB**		
PARAMETER	1/80		
Chlorobenzene	0.470		
	WELL 41A		
PARAMETER	4/80	5/80	
Chlorobenzene	0.090		
Trichloroethylene	0.030		
Chromium		0.05	
	WELL 41B		
PARAMETER	5/80		
Zinc	15		
	Sample 41AB**		
PARAMETER	1/80		
Chlorobenzene	0.011		
	WELL 42A		
PARAMETER	6d/80	2/82	
Calcium	30.0		
Chloride	11.0		
Iron	0.04		
Magnesium	21.0		
Sodium	21.0		
Benzene		0.005	
Toluene		0.005	
Xylene		0.001	
Chlorobenzene		0.011	

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 42B	
PARAMETER	6d/80	2/82
Calcium	52	
Chloride	18	
Magnesium	27	
Sodium	15	
Benzene		0.001
Toluene		0.001
Chlorobenzene		0.004

Sample 42AB**

NO COMPOUNDS ABOVE DETECTION LIMITS

	WELL 42C
PARAMETER	6d/80
Calcium	13.0
Chloride	32.0
Magnesium	3.5
Sodium	23.0

	WELL 43A				
PARAMETER	3/83	12/83	4-5/84	10/84	4-5/85
pH (Std. units)	7.9	6.85	7.10*	6.85*	7.13*
Conductance (umhos/cm)		750	721*	894*	1069*
Total Organic Halogens		0.045*	0.032*	0.046*	0.037
Total Organic Carbon		3*	6.3	2.7	
Chlorobenzene		0.011*	0.015*	0.017*	0.014*
PCBs (ug/l)		0.35*			0.33*

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 43B			
PARAMETER	12/83	5/84	10/84	4/85
pH (Std. units)	6.85	7.5*	7.10*	7.33*
Conductance (umhos/cm)	800	581*	925*	950*
Total Organic Halogens	0.018*		0.027*	0.023*
Total Organic Carbon	0.005*	9.7	2.3	

	Sample 43AB**		
PARAMETER	5/80	6/80	3/82
Lead	0.05		
Zinc	3.24		0.00032
Arsenic		0.014	
Chromium	0.04		
Nickel		0.05	
Copper		0.08	
pH (Std. units)			2.9

	Sample 44AB**	
PARAMETER	5/80	6/80
Zinc	17.4	
Arsenic		0.013
Chromium	0.07	
Nickel		0.07
Copper		0.02

	WELL 45A
PARAMETER	6d/80
Calcium	25.0
Chloride	7.0
Magnesium	8.0
Sodium	1.8

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 45B					
PARAMETER	6d/80					
Calcium	77.0					
Chloride	29.0					
Magnesium	26.0					
Sodium	7.7					
	Sample 45AB**					
PARAMETER	5/80	6/80				
Zinc	15.7					
Arsenic		0.004				
Chromium	0.03					
Nickel		0.02				
Copper		0.01				
	WELL 46A					
PARAMETER	6d/80	3/83	12/83	5/84	10/84	4/85
pH (Std. units)		6.70	6.10	6.38*	6.30*	6.74*
Conductance (umhos/cm)			350	278*	408*	348*
Total Organic Halogens			0.035*	0.010*		0.011
Total Organic Carbon			7*	30.0	21.0	33.7
Calcium	24.0					
Chloride	5.0					
Magnesium	7.0					
Sodium	1.3					
	WELL 46B					
PARAMETER	6d/80	12/83	5/84	10/84	4/85	
pH (Std. units)		6.05	6.4*	6.0*	6.5*	
Conductance (umhos/cm)		800	540*	750*	750*	
Total Organic Halogens		0.030*	0.016	0.030*	0.020*	
Total Organic Carbon		0.014	18.7	13.7	12.3*	
Calcium	56.0					
Chloride	100.0					
Iron	0.09					
Magnesium	18.0					
Sodium	43.0					

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	Sample 46AB**		
PARAMETER	5/80	6/80	3/82
Zinc	20.1		0.0021
Arsenic		0.005	
Chromium	0.02		
Nickel		0.02	
Copper		0.01	
pH (Std. units)			6.7

	WELL 47A
PARAMETER	6d/80
Calcium	46.0
Chloride	4.0
Magnesium	14.0
Sodium	3.3

	WELL 47B
PARAMETER	6d/80
Calcium	86.0
Chloride	90.0
Iron	0.09
Magnesium	17.0
Sodium	60.0

	Sample 47AB**
PARAMETER	5/80
Zinc	2.5
Chromium	0.02
Nickel	0.03

	WELL 48A
PARAMETER	6d/80
Calcium	36.0
Chloride	4.0
Iron	0.04
Magnesium	10.0
Sodium	2.4

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 48B 6d/80
Calcium	28.0
Chloride	4.0
Iron	1.0
Magnesium	9.0
Sodium	3.2

PARAMETER	Sample 48AB** 4/80	5/80
Methylene Chloride	0.048	
Zinc		3.58
Chromium		0.01

PARAMETER	WELL 49A 6d/80
Calcium	40.0
Chloride	9.0
Magnesium	14.0
Sodium	3.2

PARAMETER	WELL 49B 6d/80
Calcium	86.0
Chloride	83.0
Magnesium	22.0
Sodium	28.0

PARAMETER	Sample 49AB** 5/80
Zinc	0.89
Chromuim	0.01

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 50A
PARAMETER	6d/80
Calcium	33.0
Chloride	6.0
Magnesium	12.0
Sodium	1.9

	WELL 50B
PARAMETER	J6d/80
Calcium	91.0
Chloride	60.0
Magnesium	29.0
Sodium	15.0

	Sample 50AB**
PARAMETER	5/80
Zinc	1.06
Chromium	0.03

	Sample 51AB**
PARAMETER	5/80
Zinc	3.21
Chromium	0.01
Nickel	0.02

	Sample 52AB**
PARAMETER	5/80
Zinc	20.5
Chromium	0.06
Nickel	0.04

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	Sample 53AB**
PARAMETER	5/80
Zinc	0.98
Chromium	0.01
Nickel	0.02

	Sample 54AB**
PARAMETER	5/80
Zinc	3.80

	Sample 55AB**
PARAMETER	5/80
Zinc	1.5

	WELL 56B
PARAMETER	4/80
Chlorobenzene	0.001

	WELL 57A
PARAMETER	4/80
Chlorobenzene	0.351

	WELL 57B
PARAMETER	4/80
Chlorobenzene	0.001

	WELL 58A
PARAMETER	4/80
Chlorobenzene	3.8

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	Sample 59AB**			
PARAMETER	4/80	5/80	6/80	3/82
Methylene Chloride	0.020		0.098	
Lead		0.01		
Zinc		8.0	0.43	0.00009
Arsenic			0.002	
Chromium		0.05		
Copper			0.044	
Strontium				0.0036
Napthalene				0.001
Bis(2-ethylhexyl)phthalate				0.003

	Sample 60AB**	
PARAMETER	6/80	3/82
Methylene Chloride	0.080	
Toluene		0.002
Xylene		0.002
Zinc		0.00002

	Sample 71AB**
PARAMETER	3/82
Strontium	0.0036
Zinc	0.00009

	WELL 72A		
PARAMETER	4-5/84	10/84	4-5/85
pH (Std. units)	7.00-7.45	7.10	7.65
Conductance (umhos/cm)	290	450	400

	WELL 72B		
PARAMETER	4-5/84	10/84	4-5/85
pH (Std. units)	7.85-8.30	6.60	9.55
Conductance (umhos/cm)	7.90-900	1,720	2,000
Chloroethane		0.340	
1,1-Dichloroethane		0.560	

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

Sample 72AB**

PARAMETER	6/80	9/80	10/80	3/82	12/83	5/84	5/85
Benzene	0.092			0.25			
Ethylbenzene					0.017		
1,1-Dichloroethane			0.031				0.340
Trans-1,2-dichloroethylene			0.021				
Naphthalene			0.011				
1,1,2,2-Tetrachloroethylene			0.011				
Toluene			0.022				
Phenols				0.000008			
Vinyl Chloride			0.017				
Strontium				0.0054			
Lead	0.08						
Zinc	3.16			0.0019			
Arsenic	0.06						
Chromium	0.01						
Copper	0.055			0.00002			
PCBs (ug/l)		0.08					
Bis(2-ethylhexyl)phthalate				0.028			
Chlorobenzene					0.017		
Chloroethane					0.110	0.180	0.180

Sample 73AB**

NO COMPOUNDS ABOVE DETECTION LIMITS

Sample 74AB**

PARAMETER	6/80	3/82
Lead	0.03	
Zinc	0.30	0.00013
Chromium	0.06	
Nickel	0.70	
Copper	0.100	0.00002
Strontium		0.0036

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 75A
PARAMETER	6d/80
Calcium	24.0
Chloride	116.0
Magnesium	29.0
Sodium	56.0

	WELL 75B
PARAMETER	6d/80
Calcium	190.0
Chloride	63.0
Iron	0.58
Magnesium	52.0
Sodium	10.0

	Sample 75AB**
PARAMETER	3/82
Strontium	0.0054
Copper	0.00002
Zinc	0.00026

	WELL 76AB**
PARAMETER	3/22
Strontium	0.0036
Copper	0.00002
Zinc	0.0019

	WELL 79A		
PARAMETER	4-5/84	10/84	4-5/85
pH (Std. units)	6.60-6.85	7.00	7.00
Conductance (umhos/cm)	210-220	310	600

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 79B 2/82	4-5/84	10/84	4-5/85
pH (Std. units)		5.75-6.05	6.60	7.60
Conductance (umhos/cm)		750-800	700	250
Benzene	.010			
Chlorobenzene	.036			

PARAMETER	Sample 79AB** 6/80	3/82	12/83	4-5/84
Benzene				0.016
Chlorobenzene			0.017	0.051
Methylene Chloride	0.070			
Strontium		0.0036		
Copper		0.00002		
Zinc		0.00005		

PARAMETER	WELL 80A 4-5/84	10/84	4-5/85
pH (Std. units)	6.95-7.20	6.60	7.25
Conductance (umhos/cm)	150-160	300	155

PARAMETER	WELL 80B 4-5/84	10/84	4-5/85
pH (Std. units)	6.35-6.55	6.00	6.95
Conductance (umhos/cm)	1,000-1,400	1,760	1,900
Benzene		1.8	
Chlorobenzene		2.8	
Ethylbenzene		0.038	

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	Sample 80AB** 5/80	6/80	3/82	12/83	4-5/84	4-5/85
Benzene			1.23	0.600	0.700	
Chlorobenzene			1.69	0.600	1.000	
Ethylbenzene					0.013	
Methylene Chloride		0.240				
Toluene			0.015			
Phenols	0.014		0.00001			
Zinc		0.04	0.0038			
Chromium		0.03				
Copper		0.01				
Strontium			0.0054			
PCBs (ug/l)		3.3				
1,3-Dichlorobenzene			0.020			
Bis(2-ethylhexyl)phthalate			0.002			

PARAMETER	WELL 81A 6/80	10/80
Benzene		11
Chlorobenzene		6.8
Methylene Chloride		15
PCBs (ug/l)	0.31	

PARAMETER	WELL 81B 6/80	10/80
Benzene		44
Chlorobenzene		40
Methylene Chloride		290
PCBs (ug/l)	1.96	

PARAMETER	WELL 81° 6/80	10/80
Benzene		63
Chlorobenzene		14
Methylene Chloride		16
PCBs (ug/l)	1.2	

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 81F	
PARAMETER	6/80	10/80
Benzene		15
Chlorobenzene		14
Methylene Chloride		34
PCBs (ug/l)	0.23	

	WELL 82A
PARAMETER	11/80
Chlorobenzene	0.001

	WELL 82B	
PARAMETER	11/80	3/81
Chlorobenzene	0.004	0.002
Toluene		0.005

	WELL 83A
PARAMETER	11/80
Chlorobenzene	0.006

	WELL 83B	
PARAMETER	11/80	3/81
Chlorobenzene	0.002	0.002

	WELL 84A	
PARAMETER	11/80	2/82
Chlorobenzene	0.004	0.064
Trichloroethylene		0.001
Benzene		0.007
Toluene		0.002

	WELL 84B
PARAMETER	11/80
Chlorobenzene	0.003

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

WELL 85A

PARAMETER	11/80
Chlorobenzene	0.100

WELL 85B

NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 86A

NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 86B

NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 87A

NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 87B

NO COMPOUNDS ABOVE DETECTION LIMITS

Sample 87AB**

PARAMETER	6/80	3/82
Lead	0.01	
Zinc	4.64	
Copper	0.20	
Strontium		0.0054
Zinc		0.00005
PCBs (ug/l)		0.2

WELL 88A

PARAMETER	11/80	3/81
Chlorobenzene	0.021	
Methylene Chloride		0.001

WELL 88B

PARAMETER	3/81
Methylene Chloride	0.001

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 89A 11/80	1/81	3/81	2/82	2-5/84	10/84	4-5/85
pH (Std. units)					6.63*	7.60	7.50
Conductance (umhos/cm)					2,018*	3,000	3,000
Benzene			20.0	15.0	19.5*	17.3*	14.5*
Chlorobenzene	3.9	4.1	42.0	30.0	49.8*	43.0*	38.0*
Methylene Chloride			0.017	0.014			
Toluene			0.170	2.8			
Trichloroethylene			0.110				
1,1,1-Trichloroethane			0.011				
Xylene				0.015			

PARAMETER	WELL 89B 11/80	3/81	2/82	12/83	2-5/84	10/84	4-5/85
pH (Std. units)				6.70	6.89*	6.70	6.70
Conductance (umhos/cm)				550	373*	1,225	600
Benzene		2.6	0.200	0.95*	0.238*	4.73*	
Chlorobenzene	2.1	5.3	0.210	1.58*	0.523*	15.0*	
Methylene Chloride				0.011*			0.013*
Toluene			0.015				
Trans-1,2-dichloroethylene				0.360	0.143*	0.663*	0.160*
Trichloroethylene		0.012	0.003				
Vinyl Chloride				0.257*		0.538*	0.012*

PARAMETER	WELL 89D 3/81	2/82	12/83	2-5/84	10/84	4-5/85
pH (Std. units)			7.65	7.63	7.80	7.50
Conductance (umhos/cm)			150	188*	310	250
Benzene		0.086	0.016*			
Chlorobenzene	2.2	0.610	0.104*	0.045*	0.683*	
Methylene Chloride	0.002					
Toluene		0.006				
Trichloroethylene	0.001					
Vinyl Chloride						

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 90A				
PARAMETER	12/83	4-5/84	10/84	4-5/85	10/89
pH (Std. units)	7.35	7.45-7.60	7.60	6.95	
Conductance (umhos/cm)	275	190-200	350	300	
Benzene					0.003
Toluene					0.005

	WELL 90B				
PARAMETER	3/81	12/83	4-5/84	10/84	4-5/85
pH (Std. units)		7.20	7.00-7.05	7.10	6.40
Conductance (umhos/cm)		275	230-250	390	290
Benzene	0.310				
Chlorobenzene	0.004				
Toluene	0.009				

	Sample 90AB**
PARAMETER	2-5/84
Benzene	0.010
Chlorobenzene	0.048

WELL 91A
NO COMPOUNDS ABOVE DETECTION LIMITS

WELL 91B
NO COMPOUNDS ABOVE DETECTION LIMITS

	WELL 92A	
PARAMETER	1/81	3/81
Benzene		0.140
Chlorobenzene	0.190	0.099

WELL 92B
NO COMPOUNDS ABOVE DETECTION LIMITS

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 93A		
PARAMETER	12/83	4-5/84	4-5/85
pH (Std. units)	6.35	6.75	7.55
Conductance (umhos/cm)	400	260	340
Benzene		0.019	
Chlorobenzene		0.090	
Trichloroethylene		0.030	

	WELL 93B		
PARAMETER	12/83	4-5/84	4-5/85
pH (Std. units)	6.95	6.15	6.80
Conductance (umhos/cm)	300	300	440

	WELL 93AB**	
PARAMETER	6/80	10/80
Toluene		0.080
Lead	0.02	
Zinc	0.51	
Arsenic	0.005	
Nickel	0.01	
Copper	0.08	

	WELL 94AB**	
PARAMETER	4/80	3/82
Strontium		0.0054
Bis(2-ethylhexyl)phthalate		0.020
PCBs (ug/l)	0.1	

	WELL 95A						
PARAMETER	1/81	3/81	2/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)				7.05	7.55	5.30	7.35
Conductance (umhos/cm)				300	250	240	300
Total Organic Halogens					0.095		
Benzene		0.094	0.014				
Chlorobenzene	3.5	0.610	0.160				
Toluene			0.005				

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 95B						
PARAMETER	1/81	3/81	2/82	12/83	2-5/84	10/84	4-5/85
pH (Std. units)				6.85	6.65	6.50	7.25
Conductance (umhos/cm)				750	700	930	800
Total Organic Halogens				2.3	1.8	1.9	1.8
Benzene		1.4	0.016	1.1	5.0	1.7	1.8
Chlorobenzene	1.7	2.5	0.100	2.7	5.0	0.720	4.4
1,1-Dichloroethane				0.015			
Toluene			0.012				
Trans-1,2-dichloroethylene				0.960	0.230	0.210	0.460
Trichloroethylene			0.014				
Vinyl Chloride				0.450	0.038	0.200	0.300

	WELL 95C						
PARAMETER	1/81	3/81	2/82	12/83	5/84	10/84	4/85
pH (Std. units)				7.45	7.45	550	7.75
Conductance (umhos/cm)				250	210	230	200
Total Organic Halogens				0.012	0.016		
Benzene		0.097	0.008				
Chlorobenzene	0.500	0.370	0.110				0.043
Methylene Chloride			0.002		0.014		
Toluene			0.002				

	Sample 96AB**
PARAMETER	3/82
Strontium	0.0036
Zinc	0.00005
Bis(2-ethylhexyl)phthalate	0.02

	WELL 97A								
PARAMETER	1/81	3/81	2/82	12/83	4-5/84	10/84	4-5/85	10/87	10/89
pH (Std. units)				7.45	7.20	7.10	7.05		
Conductance (umhos/cm)				325	240	375	350		
Total Organic Halogens					0.048				
Benzene			0.005					0.008	
Chlorobenzene	0.002		0.005						
Methylene chloride		0.220							
Toluene			0.003						0.001

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

(See notes on page 50)

	WELL 97B					
PARAMETER	3/81	2/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)			7.65	7.30	6.40	7.30
Conductance (umhos/cm)			375	250	400	400
Total Organic Halogens			2.3	1.6	0.012	0.037

	WELL 97C						
PARAMETER	1/81	3/81	2/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)				7.35	7.05	6.60	7.25
Conductance (umhos/cm)				225	210	300	220
Total Organic Halogens				0.010			
Benzene			0.003				
Chlorobenzene	0.003	0.002	0.006				
Toluene			0.002				

	Sample 98AB**
PARAMETER	6/80
PCBs (ug/l)	0.08

WELL 99A
NO COMPOUNDS ABOVE DETECTION LIMITS

	WELL 99B
PARAMETER	3/81
Methylene chloride	0.003

	WELL 99C	
PARAMETER	1/81	3/81
Benzene		6.4
Chlorobenzene	2.4	8.3

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 100A					
PARAMETER	1/81	2/82				
Chlorobenzene	0.001					
Benzene		0.001				
Toluene		0.001				

	WELL 100B	
PARAMETER	3/81	2/82
Methylene Chloride	0.080	
Toluene		0.001

	WELL 101A
PARAMETER	3/81
Benzene	0.41
Chlorobenzene	67.0
Methylene Chloride	0.01
Toluene	0.73

	WELL 101B
PARAMETER	3/81
Benzene	7.1
Chlorobenzene	180.0
Methylene Chloride	0.01
Toluene	2.1.
1,1,1-Trichloroethane	0.015

	WELL 102A					
PARAMETER	2/82	12/83	4-5/84	10/84	4-5/85	10-89
pH (Std. units)		6.80	7.15	7.20	7.15	
Conductance (umhos/cm)		525	500	675	650	
Total Organic Halogens		0.031	0.032	0.038	0.040	
Benzene	0.004					
Chlorobenzene	0.022					
Methylene Chloride	0.005					0.001
Toluene	0.003					
Trichloroethylene	0.004					
Xylene	0.001					

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 102B 2/82	12/83	4-5/84	10/89	4-5/85
pH (Std. units)		7.00	7.15	6.50	6.85
Conductance (umhos/cm)		500	350	450	400
PCBs (ug/l)					0.3
Chlorobenzene	0.002				

PARAMETER	WELL 102C 2/82	12/83	4-5/84	10/84	4-5/85	10/87
pH (Std. units)		6.85	7.60	7.10	7.75	
Conductance (umhos/cm)		270	250	325	260	
Total Organic Halogens					0.021	
Benzene	0.003					
Chlorobenzene	0.031					0.016
Toluene	0.005				0.7	
PCBs (ug/l)						

PARAMETER	WELL 103A 2/82
Chlorobenzene	0.007

PARAMETER	WELL 103B 2/82
Toluene	0.002

PARAMETER	WELL 103C 12/81	2/82
Benzene	0.002	0.002
Toluene	0.001	0.003
Xylene		0.003
Chlorobenzene		0.017

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 104A					
PARAMETER	12/81	2/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)			7.15	7.05	6.40	7.10
Conductance (umhos/cm)			250	200	300	225
Chlorobenzene		0.004				
Methylene Chloride		0.001				
Toluene	0.002					

	WELL 104B				
PARAMETER	2/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)		5.40	7.10	6.10	6.40
Conductance (umhos/cm)		350	300	450	450
Chlorobenzene	0.006				

	WELL 105A
PARAMETER	12/81
Toluene	0.001

	WELL 106A
PARAMETER	2/82
Methylene Chloride	0.001
Trichloroethane	0.001
Benzene	0.001
Toluene	0.002
Chlorobenzene	0.003

	WELL 106B
PARAMETER	2/82
Methylene Chloride	0.002
Trichloroethylene	0.016

	WELL 106AB
PARAMETER	12/81
Toluene	0.001

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 107A	
PARAMETER	12/81	2/82
Chlorobenzene	0.007	0.003
Benzene	0.006	0.002
Toluene	0.008	0.003
Methylene Chloride		0.001
Trichloroethylene		0.007
Xylene		0.001

	WELL 107B	
PARAMETER	12/81	2/82
Trichloroethane		0.001
Trichloroethylene		0.017
Tetrachloroethylene		0.001
Chlorobenzene	0.055	0.012
Benzene	0.026	
Toluene	0.001	

	WELL 107C	
PARAMETER	12/81	2/82
Trichloroethylene		0.007
Benzene	0.021	0.005
Toluene		0.003
Xylene		0.002
Chlorobenzene	0.009	0.006

	WELL 108A
PARAMETER	12/81
Chlorobenzene	13.0
Benzene	5.5
Toluene	.052

	WELL 108B
PARAMETER	12/81
Chlorobenzene	0.010
Benzene	0.001
Toluene	0.001

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 109A
PARAMETER	12/81
Chlorobenzene	0.740
Benzene	0.310
Toluene	0.028

	WELL 109B
PARAMETER	12/81
Chlorobenzene	5.0
Benzene	0.430
Toluene	0.005

	WELL 110A
PARAMETER	12/81
Chlorobenzene	2.3
Benzene	0.450
Toluene	0.010

	WELL 110B
PARAMETER	12/81
Chlorobenzene	0.110
Benzene	0.081
Toluene	0.006

	WELL 111A						
PARAMETER	12/81	2/82	12/83	4-5/84	10/84	4-5/85	10/89
pH (Std. units)			7.05	7.36*	7.35	7.80	
Conductance (umhos/cm)			500	475*	675	550	
Benzene		0.002					
Chlorobenzene	0.004		0.018*			0.011*	
Toluene		0.004					0.001

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 111B 2/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)		7.05	7.55*	6.70	7.05
Conductance (umhos/cm)		775	675*	700	810
Chlorobenzene			0.018*		
Methylene Chloride	0.001				
Toluene	0.009				
Xylene	0.002				

PARAMETER	WELL 112A 12/81	2/82
Benzene	0.005	0.002
Toluene		0.003
Chlorobenzene	0.090	

PARAMETER	WELL 112B 12/81	2/82
Trichloroethylene		0.049
Benzene	0.004	0.007
Toluene	0.028	0.002
Chlorobenzene	0.006	0.054

PARAMETER	WELL 114A 12/81	2/82	12/83	4-5/84	10/84	4-5/85	10/89
pH (Std. units)			7.25	6.75	7.20	7.90	
Conductance (umhos/cm)			250	200	300	275	
Benzene	0.001	0.006					0.004*
Chlorobenzene	0.001	0.021					
Tetrachloroethylene		0.002					0.005*
Toluene		0.002					
1,1,1-Trichloroethane		0.001					
Xylene		0.002					

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 114B 2/82	12/83	1-5/84	10/84	4-5/85	9/88	10/89
pH (Std. units)		7.25	7.05	6.10	7.35		
Conductance (umhos/cm)		250	630	1,400	450		
Total Organic Halogens		0.190	0.051	0.590	0.230		
Benzene	0.54		0.020			0.016	0.057
Chlorobenzene	2.7		0.420	0.032		0.420	1.0
Toluene	0.003						
Trans-1,2-dichloroethylene		0.038		0.160			
1,1,1-Trichloroethane	0.001						
Trichloroethylene				0.012			
Vinyl Chloride		0.028		0.016			

PARAMETER	WELL 114C 12/81	2/82	12/83	4-5/84	10/84	4-5/85	9/88	10/89
pH (Std. units)			7.05	5.95	6.20	6.80		
Conductance (umhos/cm)			200	123	220	250		
Total Organic Halogens			0.023		0.013	0.054		
Benzene	0.001	0.014						
Chlorobenzene	0.025	0.066	0.016					
Toluene		0.003	0.013				0.006*	0.001
PCBs (ug/l)						1.4		
Xylene		0.002						

PARAMETER	WELL 115A 5/82	12/83	4-5/84	10/84	4-5/85
pH (Std. units)		6.95	7.70	7.20	7.85
Conductance (umhos/cm)		275	225	320	300
Total Organic Halogens		0.630		<0.010	0.027
Benzene	<0.001				
Trichloroethylene	0.100				

PARAMETER	WELL 115B 12/83	4-5/84	10/84	4-5/85
pH (Std. units)	6.85	7.45	7.40	6.80
Conductance (umhos/cm)	450	400	425	450
Total Organic Halogens	0.023			0.019

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

	WELL 115C				
PARAMETER	12/83	4-5/84	10/84	4-5/85	
pH (Std. units)	6.85	7.45	7.50	8.10	
Conductance (umhos/cm)	250	200	300	300	
Total Organic Halogens	0.026			0.019	
Chlorobenzene	0.040				

	Field Blank				
PARAMETER	12/83	4-5/84	10/84	4-5/85	10/89
pH (Std. units)		7.58*	6.80	8.00*	
Conductance (umhos/cm)		1.93*	7.0	1.5*	
Chloroform	0.015		0.044+		
Dichlorobromomethane			0.011+		
Methylene Chloride				0.012+	0.001+
Toluene					0.005+

	Travel Blank			
PARAMETER	10/84	4-5/85	10/87	
Chloroform	0.046*			
Dichlorobromomethane	0.011*			
Methylene Chloride		0.010+		
Toluene			0.006*	

	WELL 54			
PARAMETER	12/83	4-5/84	10/84	4-5/85
pH (Std. units)	6.55	6.75*	6.00	7.60
Conductance (umhos/cm)	400	400*	450	260
Chlorobenzene		0.019*		
Ethylbenzene		0.025*		
1,1-Dichloroethane	0.072*	0.021*	0.011*	
PCBs (ug/l)	0.85*	0.5*	1.3+	1.15*

(See notes on page 50)

TABLE 4-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF GROUNDWATER QUALITY RESULTS: 1979-1989 (ppm)[1]

PARAMETER	WELL 58 12/83	4-5/84	10/84	4-5/85
pH (Std. units)	6.90	6.16*	6.10	7.10
Conductance (umhos/cm)	350	488*	550	325
Benzene		0.860*		
Chlorobenzene		5.0*	0.365*	
Chloroform				0.024*
Methylene Chloride				0.035*
1,1,1-Trichloroethane	0.062*			
PCBs (ug/l)				0.3+

Notes:

[1]Only compounds which were detected are listed. A blank indicates that the compound was not analyzed for on that date or the compound was not found above detection limits.

12a/79 The sampling date was 12-10-79.

12b/79 The sampling date was 12-20-79.

12c/79 The sampling date was listed as 12/79 in the references.

6d/80 The exact sampling dates were not references in the available documents. The latest date these samples were analyzed was 6/80.

*The value listed is an average of replicate samples.

**An "AB" indicates that the sample is a composite of the "A" and the "B" well at the particular well cluster.

+Replicate samples were taken, but only one sample had the listed concentration, the other concentrations were non-detectable or less than the detection limits.

TABLE 4-2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
1B		30	5	1P	1
2A	994.11	50	5	1P[2]	1[2]
2B	993.50	15	5	1P[2]	1[2]
3A		50	5	1P	1
3B		*	5	1P	1
4A		50	5	1P	1
4B		*	5	1P	1
5A		50	5	1P	1
5B		*	5	1P	1
6A		50	5	1P	1.5
6B		*	5	1P	1.5
7A		50	5	1P	-
7B		*	5	1P	-
8A		50	5	1P	1.5
8B		*	5	1P	1.5
9A	993.42	50	5	1P	1.5
9B		*	5	1P	1.5
10A		50	5	B	1.5
10B		16	5	2P	1.5
11A		50	5	1P	2.5
11B		15	5	1P	2.5

TABLE 4-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
12A		51	6	B	-
12B		15	5	2P	-
12C		100	5	SS	-
12D		75	5	SS	-
13A		51	6	B	-
13B		25	5	2P	-
13C		124	5	R	-
14A		51	5	B	1.5
14B		25	5	2P	1.5
14C		100	5	SS	0.5
15A		51	6	B	0.5
15B		19	5	2P	0.5
15C		100	5	R	0.5
16A	991.95	50	6	B	1
16B	992.08	18	5	2P	1
16C	991.45	96	5	SS	1
16E	992.12	150	5	R	0.5
17A		51	6	B	-
17B		15	5	2P	-

TABLE 4-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
18A		51	5	B	2
18B		14.5	5	2P	2
19A		51	5	B	-
19B		25	5	2P	-
20A		50	5	B	1.5
20B		20	5	2P	1.5
21A		51	5	B	-
21B		14.5	5	2P	-
22A		50	5	B	-
22B		15	5	2P	-
23A		52	5	B	-
23B		15	5	2P	-
24A		52	5	2P	-
24B		16.5	5	2P	-
25A		52	5	2P	-
25B		16	5	2P	-
26A		50	5	SS	-
26B		17	5	2P	-
27A		50	5	R	-
27B		20	5	1.25P	-

TABLE 4-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
28A		50	5	R	-
28B		25	5	2P	-
29A		50	5	R	-
29B		25	5	2P	-
30A		39	5	R	-
30B	997.99	23.5	5	2P	-
31A		46	5	R	-
31B	1,001.55	29	5	2P	-
32A		50	5	R	-
32B		12.5	5	2P	-
33A		51	5	R	-
33B		20	5	2P	-
34A		50	5	R	-
34B	1,000.43	25	5	2P	-
35A		50	5	R	-
35B	997.39	23	5	2P	-
36A		51	5	R	-
36B		20	5	2P	-
37A		52	5	R	-
37B	995.58	20	5	2P	-

TABLE 4-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
38A		52	5	R	-
38B	993.75	15	5	2P	-
39A	991.62	52[3]	5	R	-
39B	991.84	15	5	2P	-
39D[4]	992.17	66	10	4P	-
39E[4]	992.15	235	10	4P	-
40A		53	5	R	-
40B		15	5	2P	-
41A		52	5	R	-
41B		15	5	2P	-
42A		50	5	R	-
42B		24.5	5	2P	-
42C		100	5	SS	-
43A	993.78	50	5	R	1.5
43B	993.69	20	5	1.25P	1.5
44A		50	5	R	1.5
44B		20	5	1.25P	1.5
45A		50	5	R	2
45B		13	5	2P	2

TABLE 4-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
46A	988.97	49.5	5	R	2
46B	988.59	13.5	5	2P	1.5
47A		49.5	5	R	1.5
47B		13.5	5	2P	1.5
48A		49.5	5	R	1.5
48B		13.5	5	2P	1.5
49A		49.5	5	R	1.5
49B		13.5	5	2P	1.5
50A	992.02	49.5	5	R	1.5
50B	991.72	13.5	5	2P	1.5
51A	990.04	49.5	5	R	1.5
51B	990.08	15	5	2P	1.7
52A	990.23	49.5	5	R	1.5
52B	990.65	18	5	2P	2
53A		49.5	5	R	1.5
53B		15.5	5	2P	1
54A		49.5	5	R	1.5
54B		13.5	5	2P	1.5
55A		49.5	5	R	2
55B		13	5	2P	2

TABLE 4-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
56A		51	5	R	-
56B		18	5	2P	-
57A		51	5	R	-
57B		18	5	2P	-
58A		51	5	R	-
58B		20	5	2P	-
59A		49.5	5	R	2
59B		13	5	2P	2
71A		51	5	R	2
71B		13	5	2P	1.5
72A	997.00	50	5	R	-
72B	996.84	20	5	1.25P	-
73A		50	5	R	-
73B		17	5	1.25P	-
74A		50	5	R	-
74B		18	5	1.25P	-
75A		50	5	R	-
75B		18	5	1.25P	-
76A		50	5	R	1.5
76B		13.5	5	2P	1.5

TABLE 4-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
77A		51	5	R	-
77B		15	5	2P	-
78A		51	5	R	-
78B		12	5	2P	-
79A	993.42	46	5	2P	2
79B	993.17	18	10	2P	2
80A	989.19	51	5	R	-
80B	988.54	20	10	2P	2
87A		51	5	R	3
87B		8	5	R	3
89A	983.41	48	5	R	2
89B	982.10	7	3	2P	2
89D	985.46				
90A	988.21	50	5	R	2.5
90B	989.03	11	3	2P	2
93A	987.99	38	5	R	2
93B	986.47	8	5	R	3
94A		38	5	R	3
94B		8	5	R	3

TABLE 4-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
95A	987.25	50	5	R	2.5
95B	987.51	11	3	2P	2
95C	986.94	100	5	R	1.5
96A		50	5	R	2.5
96B		13	5	2P	2.5
97A	988.47	49	5	R	2
97B	988.72	20	5	2P	2
97C	988.23	99	5	R	2
98A		50	5	R	2.5
98B		13.5	5	2P	2.5
102A	1,004.51	50	5	R	3
102B	1,003.32	32	5	2P	2
102C	1,003.43	100	5	R	2.5
104A	995.33	48	5	2P	2.5
104B	994.44	15	5	2P	1.5
111A	997.55	50	5	R	3
111B	996.74	15	5	2P	2
112A	994.71				
112B	993.68				

TABLE 4-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL CONSTRUCTION SUMMARY

Well No.	Measuring Point Elevation (feet)	Screen Setting (ft)	Length of Screen (ft)	Screen Type[1]	Stick-up (ft)
114A	986.23	50	5	R	3
114B	985.09	10	5	2P	1.5
114C	986.74	93	5	R	3
115A	988.53	41	5	SS	2.5
115B	990.90	16	5	SS	2.5
115C	988.37	114	5	SS	2.5
116E	1001.60	150	10	4P	2
RF-14[5]	991.67	22	15	4P	-
RF-15[5]	1011.29	24	15	4P	-
S1	989.03				
S4	986.21	4	3	R	3
S8	984.21				

Notes:

[1]Screen types:
B = 1.25-inch-diameter brass
R = 1.25-inch-diameter wire-wound mild steel
SS = 1.25-inch-diameter stainless steel
1P = 1-inch-diameter PVC
1.25P = 1.25-inch-diameter PVC
2P = 2-inch-diameter PVC
4P = 4-inch-diameter PVC

[2]Wells 2A and 2B are also reported (GE, 1983) as having 2P screen type and 2 feet of stick-up.
[3]Well 39A also reported (GE, 1983) as having the screen set at 51 feet.
[4]Well installed as part of MCP Phase II field program
[5]Well installed as part of USEPA Area 1 assessment activities
*Wells installed by O'Brien and Gere, screen setting 5 to 12 feet below land surface.

Table 4-3. Results of Unkamet Brook Well Inventory, December 5 through December 7, 1990, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Number	Total Depth (Ft. below measuring point)	Measured Depth (Ft. below measuring point)	Condition	Comments
2A	50	N/S	Existing	
2B	15	N/S	Existing	
6A	50	33.09	Existing	Silted
6B	-	9.52	Existing	
8A	50	N/S	Existing	
8B	-	15.3	Existing	
9A	50	27.3	Existing	Silted
9B	-	16.5	Existing	
10A,B	-	N/S	Not Located	Possibly paved over
11A,B	-	N/S	Not Located	
12B	16	15.1	Existing	Silted
12A,C,D	-	N/S	Not Located	
13A,B,C,D	-	N/S	Not Located	
14,A,B,C	-	N/S	Not Located	
15A	53	52	Existing	Silted
15B	19	17.1	Existing	Silted
15C	100	62.1	Existing	Silted
16A	54	53.55	Existing	Silted
16B	18	17.83	Existing	Silted
16C	96	84.95	Existing	Silted
16D	-	N/S	Destroyed	Paved over
16E	150	50	Existing	Blocked at 50 ft
17A,B	-	N/S	Not Located	
18A	-	N/S	Destroyed	Properly abandon
18B	-	N/S	Destroyed	Properly abandon
19A,B	-	N/S	Not Located	
20A,B	-	N/S	Not Located	
21A,B	-	N/S	Not Located	
22A,B	-	N/S	Not Located	
23A,B	-	N/S	Not Located	
24A,B	-	N/S	Not Located	
25A,B	-	N/S	Not Located	
26A,B	-	N/S	Not Located	
27A	50	28.67	Existing	Silted
27B	20	16.82	Existing	Silted
28A,B	-	N/S	Not Located	
29A,B	-	N/S	Not Located	
30A,B	-	N/S	Not Located	
31A	49	48.9	Existing	Silted
31B	29	28.3	Existing	Silted
32A,B	-	N/S	Destroyed	In pond
33A	51	47.67	Existing	Silted
33B	20	19.3	Existing	Silted
34A	50	43.85	Existing	Silted
34B	25	24.45	Existing	Silted
35A	50	47.4	Existing	Silted
35B	23	22.4	Existing	Silted
36A,B	-	N/S	Not Located	
37A	52	51.95	Existing	Silted

N/S - Not Sounded
Silted - Indicates that some silt accumulation has occurred; the measured well depth was less than the installation depth.

Table 4-3. Results of Unkamet Brook Well Inventory, December 5 through December 7, 1990, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Number	Total Depth (Ft. below measuring point)	Measured Depth (Ft. below measuring point)	Condition	Comments
37B	20	14.96	Existing	Silted
38A	53	52.2	Existing	Silted
38B	15	13.67	Existing	Silted
39A	-	N/S	Destroyed	
39B	15	14.47	Existing	Silted
40A,B	-	N/S	Not Located	
42A,B,C	-	N/S	Not Located	
43A	51	50.68	Existing	Silted
43B	22	21.35	Existing	Silted
44A,B	-	N/S	Not Located	
45A	53	52.7	Existing	Silted
45B	15	14.6	Existing	Silted
46A,B	-	N/S	Not Located	
48A	51	50	Existing	Silted
48B	15	14.5	Existing	Silted
49A,B	-	N/S	Existing	Not accessible
50A	50	43.35	Existing	
50B	-	14.9	Existing	
51A	50	50.76	Existing	
51B	-	14.65	Existing	
52A	50	49	Existing	
52B	-	18.45	Existing	
53A	50	50.6	Existing	
53B	-	16.17	Existing	
55A	50	48.18	Existing	
55B	-	14.75	Existing	
56A,B	-	N/S	Destroyed	Paved over
57A	-	N/S	Not Located	Possibly paved over
57B	-	N/S	Existing	
58A,B	-	N/S	Destroyed	
59A,B	-	N/S	Existing	
71A,B	-	N/S	Not Located	
72A	52	51.3	Existing	Silted
72B	20	14.6	Existing	Silted
73A,B	-	N/S	Not Located	
74A	50	48.22	Existing	Silted
74B	18	15.53	Existing	Silted
77A,B	-	N/S	Not Located	
78A,B	-	N/S	Not Located	
79A	47	46.58	Existing	Silted
79B	20	19.78	Existing	Silted
80A,B	-	N/S	Not Located	
81A,B	-	N/S	Destroyed	Paved over
82A	54	53.7	Existing	Silted
82B	-	10.1	Existing	
83A	55	54.6	Existing	Silted
83B	-	9.95	Existing	
84B	-	11.95	Existing	
85A	-	42.8	Existing	
85B	-	13.8	Existing	

N/S - Not Sounded

Silted - Indicates that some silt accumulation has occurred; the measured well depth was less than the installation depth.

Table 4-3. Results of Unkamet Brook Well Inventory, December 5 through December 7, 1990, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Number	Total Depth (Ft. below measuring point)	Measured Depth (Ft. below measuring point)	Condition	Comments
86A	-	43.4	Existing	
86B	-	12.9	Existing	
87A,B	-	N/S	Not Located	
88A	-	38.3	Existing	
88B	-	10.4	Existing	
89A	48	67.4	Existing	Silted
89B	10	9.2	Existing	Silted
89D	-	67.4	Existing	
90A	50	48.8	Existing	Silted
90B	14	13.25	Existing	Silted
91A	50	47.1	Existing	Silted
91B	-	13.25	Existing	
92A	50	45	Existing	Silted
92B	-	13.1	Existing	
93A,B	-	N/S	Not Located	
94A	-	N/S	Existing	
94B	11	10	Existing	Silted
94C	-	N/S	Existing	
95A	50	47.25	Existing	Silted
95B	12	11.75	Existing	Silted
95C	100	78.5	Existing	Silted
96A	53	52.1	Existing	Silted
96B	17	16.5	Existing	Silted
97A	49	48.1	Existing	Silted
97B	23	22.5	Existing	Silted
97C	99	28.5	Existing	Silted
98A	-	N/S	Existing	
98B	15	14.9	Existing	Silted
99A	-	N/S	Existing	
99B	13	12.1	Existing	Silted
100A	50	47.7	Existing	Silted
100B	-	15.95	Existing	
101A	48	20.15	Existing	Silted
101B	-	21.5	Existing	
102A	50	48.3	Existing	Silted
102B	34	33.3	Existing	Silted
102C	100	94.2	Existing	Silted
103A	54	53.2	Existing	Silted
103B	25	24.5	Existing	Silted
103C	99	91	Existing	Silted
104A,B	-	N/S	Not Located	
105A,B	-	N/S	Not Located	
106A,B	-	N/S	Not Located	
107A	49	48.1	Existing	Silted
107B	13	12.5	Existing	Silted
107C	-	N/S	Existing	
108A	49	48.8	Existing	Silted
108B	12	11.2	Existing	Silted
109A	50	48.7	Existing	Silted
109B	12	11.6	Existing	Silted

N/S - Not Sounded
Silted - Indicates that some silt accumulation has occurred; the measured well depth was less than the installation depth.

Table 4-3. Results of Unkamet Brook Well Inventory, December 5 through December 7, 1990, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Number	Total Depth (Ft. below measuring point)	Measured Depth (Ft. below measuring point)	Condition	Comments
110A	50	48	Existing	Silted
110B	17	16.8	Existing	Silted
111A	50	47	Existing	Silted
111B	18	17	Existing	Silted
112A	-	47.4	Existing	
112B	-	15	Existing	
113A	50	47.3	Existing	Silted
113B	25	24.7	Existing	Silted
114A	50	48.7	Existing	Silted
114B	12	11.3	Existing	Silted
114C	93	91.5	Existing	Silted
115A,B,C	-	N/S	Existing	Not accessible
59-1	-	N/S	Existing	
59-3	-	22.7	Existing	
59-7	-	22.55	Existing	

N/S - Not Sounded
Silted - Indicates that some silt accumulation has occurred; the measured well depth was less than the installation depth.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

GROUNDWATER SAMPLE COLLECTION SUMMARY

Proposed Sample Locations (MCP SOW)	Proposed Analysis (MCP SOW)	Comments	Substitutions[3]	Sample Collected Y or N	Sample Date
16A	VOCs			Y	(2/22/91)
16B	VOCs	Well casing was bent/broken	None	N	
16C	VOCs			Y	(2/22/91)
16E	VOCs			Y	(2/22/91)
18A	App. IX+3	Well had been destroyed	82A-App. IX+3	Y	(2/22/91)
18B	App. IX+3	Well had been destroyed	82B-App. IX+3	Y	(2/22/91)
27A	VOCs			Y	(2/27/91)
27B	VOCs			Y	(2/27/91)
34A	App. IX+3*			Y	(2/25/91)
34B	App. IX+3*			Y	(2/25/91)
35A	App. IX+3*			Y	(2/25/91)
35B	App. IX+3			Y	(2/25/91)
37A	App. IX+3*			Y	(2/26/91)
37B	App. IX+3*			Y	(2/26/91)
38A	App. IX+3*			Y	(2/26/91)
38B	App. IX+3*			Y	(2/26/91)
39A	App. IX+3	Well had been destroyed	39D	Y	(4/19/91)
39B	App. IX+3			Y	(4/19/91)
39E	App. IX+3			Y	(4/19/91)
43A	App. IX+3*			Y	(2/27/91)
43B	App. IX+3*			Y	(2/27/91)
74A	VOCs, phenols	Well casing was bent	72A	Y	(2/27/91)
74B	VOCs, phenols			Y	(2/27/91)
79A	App. IX+3*			Y	(2/28/91)
79B	App. IX+3*			Y	(2/28/91)
80A	VOCs, phenols	Well not found	none	N	
80B	VOCs, phenols	Well not found	none	N	
81A[1]		Well paved over	none	N	
81B[1]		Well paved over	none	N	
81F (81°)[1]				N	
87A	App. IX+3	Well not found	none	N	
87B	App. IX+3	Well not found	none	N	

TABLE 4-4
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

GROUNDWATER SAMPLE COLLECTION SUMMARY

Proposed Sample Locations (MCP SOW)	Proposed Analysis (MCP SOW)	Comments	Substitutions[3]	Sample Collected Y or N	Sample Date
89A	VOCs, phenols			Y	(2/21/91)
89B	VOCs, phenols			Y	(2/21/91)
89C	VOCs, phenols	Well does not exist	89D	Y	(2/21/91)
90A	VOCs			Y	(2/20/91)
90B	VOCs			Y	(2/20/91)
93A	VOCs	Well not found	94A-App. IX+3	Y	(4/18/91)
93B	VOCs	Well not found	94B-App. IX+3	Y	(4/18/91)
97A	VOCs			Y	(2/21/91)
97B	VOCs			Y	(2/21/91)
97C[1]	VOCs			Y	(2/21/91)
101A[1]	VOCs			Y	(2/28/91)
101B[1]	VOCs			Y	(2/28/91)
102A	VOCs			Y	(2/20/91)
102B	VOCs			Y	(2/20/91)
102C	VOCs			Y	(2/20/91)
111A	VOCs			Y	(2/20/91)
111B	VOCs			Y	(2/20/91)
114A	VOCs			Y	(2/21/91)
114B	VOCs			Y	(2/21/91)
114C	VOCs			Y	(2/21/91)
116E[2]	VOCs			Y	(4/18/91)

Notes:

* Appendix IX+3 parameters exclusive of herbicides and pesticides.
[1] Well added to MCP Scope of Work (SOW) by DEP approval letter dated 11/7/90.
[2] Was specified as Well 102E in SOW, but named 116E in field.
[3] Proposed substitutions were transmitted to the DEP by GE in letters dated 1/23/91, 1/28/91, and 2/1/91.

Table 4-5. MCP Groundwater Sample Collection Summary, Unkamet Brook Area, February 20 through April 19, 1991, GE Company, Pittsfield, Massachusetts.

Sample Location	Collection Date	Sample Parameters	Duplicate ID/ Analysis	Matrix Spike-Matrix Spike Duplicate ID/ Analysis	Field Blank ID/ Analysis
16A	2/22/91	VOCs			PUFB1/App. IX + 3
16C	2/22/91	VOCs			
16E	2/22/91	VOCs			
27A	2/27/91	VOCs			
27B	2/27/91	VOCs			
34A	2/26/91	App. IX + 3 (a)			
34B	2/26/91	App. IX + 3 (a)		PUEX34BMS/VOCs PUEX34BMD/VOCs	
35A	2/26/91	App. IX + 3 (a,b)		PUEXG35AMS/Semi-VOCs (b) PUEXG35AMD/Semi-VOCs (b)	
35B	2/26/91	App. IX + 3	PUEXDP1/ App. IX + 3	PUEX35BMS/VOCs PUEX35BMD/VOCS	
37A	2/26/91	App. IX + 3 (a)			
37B	2/26/91	App. IX + 3 (a)	PUEXDP3/ VOCs		
38A	2/26/91	App. IX + 3 (a)			
38B	2/26/91	App. IX + 3 (a)	PUEXDP2/ App. IX + 3 (a)		PUFB2/App. IX + 3 (a)
39B	4/19/91	App. IX + 3			
39D	4/19/91	App. IX + 3	DP-7/ App. IX + 3		

(a) Exclusive of herbicides and OP pesticides.
(b) 4/17/91 Resample for Semi-VOCs
(c) 2/27/91 Resample for Dioxin/Furans; 4/17/91 Resample for Semi-VOCs
(d) 4/19/91 Resample for OC Pest/PCB and Herbicides.

Table 4-5. MCP Groundwater Sample Collection Summary, Unkamet Brook Area, February 20 through April 19, 1991, GE Company, Pittsfield, Massachusetts.

Sample Location	Collection Date	Sample Parameters	Duplicate ID/ Analysis	Matrix Spike-Matrix Spike Duplicate ID/ Analysis	Field Blank ID/ Analysis
39E	4/19/91	App. IX+3			PUFB-10/App. IX+3
43A	2/27/91	App. IX+3			
43B	2/27/91	App. IX+3 (a)			
72A	2/27/91	VOCs, Phenols			
74B	2/27/91	VOCs, Phenols			PUFB3/VOCs
79A	2/28/91	App. IX+3 (a)			
79B	2/28/91	App. IX+3 (a)			
82A	2/22/91	App. IX +3 (a,c)			
82B	2/22/91	App. IX+3 (a)			
89A	2/21/91	VOCs, Phenols			
89B	2/21/91	VOCs, Phenols			
89D	2/21/91	VOCs, Phenols			
90A	2/20/91	VOCs			
90B	2/20/91	VOCs			
94A	4/18/91	App. IX+3			
94B	4/18/91	App. IX+3 (d)			
97A	2/21/91	VOCs			
97B	2/21/91	VOCs			
97C	2/21/91	VOCs			
101A	2/28/91	VOCs			

(a) Exclusive of herbicides and OP pesticides.
(b) 4/17/91 Resample for Semi-VOCs
(c) 2/27/91 Resample for Dioxin/Furans; 4/17/91 Resample for Semi-VOCs
(d) 4/19/91 Resample for OC Pest/PCB and Herbicides.

Table 4-5. MCP Groundwater Sample Collection Summary, Unkamet Brook Area, February 20 through April 19, 1991, GE Company, Pittsfield, Massachusetts.

Sample Location	Collection Date	Sample Parameters	Duplicate ID/ Analysis	Matrix Spike-Matrix Spike Duplicate ID/ Analysis	Field Blank ID/ Analysis
101B	2/28/91	VOCs			
102A	2/20/91	VOCs			
102B	2/20/91	VOCs			
102C	2/20/91	VOCs			
111A	2/20/91	VOCs			
111B	2/20/91	VOCs			
114A	2/21/91	VOCs			
114B	2/21/91	VOCs			
114C	2/21/91	VOCs			
116E	4/18/91	App. IX + 3	PGDP1/ App. IX + 3	PG14GMS/VOCs PG14GMSD/VOCs DP1MS/Semi-VOCs DP1MSD/Semi-VOCs	
RF-14	8/29/91	App. IX + 3			
RF-15	8/29/91				

(a) Exclusive of herbicides and OP pesticides.
(b) 4/17/91 Resample for Semi-VOCs
(c) 2/27/91 Resample for Dioxin/Furans; 4/17/91 Resample for Semi-VOCs
(d) 4/18/91 Resample for OC Pest/PCB and Herbicides.

Table 4-6. Field Parameters, MCP Unkamet Brook Groundwater Sampling, GE Company, Pittsfield, Massachusetts.

Sample Location	Temperature (°C)	pH	Specific Conductivity (umhos/cm)
16A	9	7.07	6,000
16C	10	7.30	210
16E	9	6.68	190
27A	8	7.13	620
27B	7	7.39	600
34A	12	6.82	380
34B	10	6.80	540
35A	12	7.56	740
35B	13	6.86	550
37A	12	7.49	360
37B	10	6.87	380
38A	9	8.04	200
38B	7	7.75	820
39B	9	7.15	450
39D	11	9.05	250
39E	10	6.51	270
43A	6	6.90	600
43B	5	7.56	730
72A	4	7.07	620
74B	6	7.00	8,400
79A	8	7.75	240
79B	7	7.38	980
82A	8	6.25	670
82B	6	6.13	240

umhos/cm - Micromhos per centimeter.

Table 4-6. Field Parameters, MCP Unkamet Brook Groundwater Sampling, GE Company, Pittsfield, Massachusetts.

Sample Location	Temperature (°C)	pH	Specific Conductivity (umhos/cm)
89A	6	8.19	2,100
89B	5	6.72	420
89D	8	8.17	145
90A	6	7.30	220
90B	6	6.96	240
94A	5	7.33	178
94B	6	7.19	250
97A	6	7.15	185
97B	7	7.05	320
97C	7	7.40	220
101A	11	7.68	620
101B	11	7.18	1,000
102A	9	7.36	380
102B	9	6.10	420
102C	8	7.15	200
111A	9	7.80	600
111B	7	7.19	640
114A	9	7.11	225
114B	4	7.31	480
114C	7	7.71	178
116E	10	6.86	270
RF-14	16	6.71	240
RF-15	16	6.80	1,460

umhos/cm - Micromhos per centimeter.

able 4-7. Summary of Volatile Organic Compounds Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation:	16A	16C	16E	27A	27B	34A	34B	35A	35B	35B*
Sample Collection Date:	2/22/91	2/22/91	2/22/91	2/27/91	2/27/91	2/25/91	2/25/91	2/25/91	2/25/91	2/25/91
Parameter										
Acetone		0.033	0.013			0.015B				0.006BJ
Benzene	17	0.078								
Chlorobenzene	85	0.18	0.002J						0.008	0.009
Chloroform								0.014		
1,1-Dichloroethane						0.002J			0.004J	0.004J
1,1-Dichloroethene						0.002J				
1,2-Dichloroethene (Total)	2J					0.089		0.011	0.031	0.032
Methylene chloride	1BJ	0.002BJ	0.003BJ	0.005BJ	0.014B	0.006BJ	0.006BJ	0.011B	0.005BJ	0.005BJ
Trichloroethene	0.530J					0.12	0.002J	0.860	0.013	0.013
Toluene	0.72	0.002J				0.001J		0.001J		
Vinyl chloride						0.016			0.017	0.012

Concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.
B Indicates compound was detected in the associated blank as well as in the sample.
D Indicates the sample was analyzed at a secondary dilution factor.
J Indicates an estimated value less than the sample detection limit.
* Field duplicate sample.

Table 4-7. Summary of Volatile Organic Compounds Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation:	37A	37B	37B*	38A	38B	38B*	39B	39D	39D*	39E
Sample Collection Date:	2/26/91	2/26/91	2/26/91	2/26/91	2/26/91	2/26/91	4/19/91	4/19/91	4/19/91	4/19/91
Parameter										
Acetone		0.04	0.008J		0.013	0.041				0.024
Benzene		0.001J			0.003J	0.003J	5.6	0.11J	0.1J	0.011
Chlorobenzene	0.003J						44D	5.5	5.7	0.24
Chloroform	0.002J									
1,2-Dichloroethene (Total)							2.9			0.002J
Ethylbenzene							0.57J			0.002J
Methylene chloride	0.002BJ	0.002BJ	0.002BJ	0.002BJ	0.002BJ		2.8B	0.19BJ	0.33BJ	0.006BJ
Trichloroethene	0.001J						1.8	0.14J	0.13J	
Toluene		0.003J		0.009			1.1	0.051J		0.005J
Xylenes (Total)		0.001J					1			0.004J

Concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.
B Indicates compound was detected in the associated blank as well as in the sample.
D Indicates the sample was analyzed at a secondary dilution factor.
J Indicates an estimated value less than the sample detection limit.
Field duplicate sample.

Table 4-7. Summary of Volatile Organic Compounds Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation:	39E	43A	43B	72A	74B	79A	79B	82A	82B	89A
Sample Collection Date:	2/26/92	2/27/91	2/27/91	2/27/91	2/27/91	2/28/91	2/28/91	2/22/91	2/22/91	2/21/91
Parameter										
Acetone		0.014B	0.026B				0.04J			
Benzene							0.083			11
Chlorobenzene							0.59			48
1,2-Dichloroethene (Total)										1.3
Ethylbenzene										
Methylene chloride	0.004BJ	0.01B	0.017B	0.009BJ	0.013B	0.014B	0.21B	0.004BJ	0.001BJ	0.42BJ
Toluene	0.001J							0.003J		
Vinyl chloride										2.1J
Xylenes (Total)										

Concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.
B Indicates compound was detected in the associated blank as well as in the sample.
D Indicates the sample was analyzed at a secondary dilution factor.
J Indicates an estimated value less than the sample detection limit.
' Field duplicate sample.

Table 4-7. Summary of Volatile Organic Compounds Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation:	89B	89D	94A	94B	97A	97B	97C	101A	101B	102A
Sample Collection Date:	2/21/91	2/21/91	4/18/91	4/18/91	2/21/91	2/21/91	2/21/91	2/28/91	2/28/91	2/20/91
Parameter										
Benzene	3D	0.001J							0.78J	
Chlorobenzene	15D	0.008						1.3	58	
Methylene chloride	0.0018J	0.0048J	0.02B	0.02B	0.0048J	0.0048J	0.0038J	0.034J		0.0048J
Trichloroethene										0.002J
Ethylbenzene	0.088									
Toluene	0.014									
Xylenes (total)	0.034									

Concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.
B Indicates compound was detected in the associated blank as well as in the sample.
D Indicates the sample was analyzed at a secondary dilution factor.
J Indicates an estimated value less than the sample detection limit.
Field duplicate sample.

Table 4-7. Summary of Volatile Organic Compounds Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation:	102B	102C	111A	111B	114A	114B	114C	116E	116E
Sample Collection Date:	2/20/91	2/20/91	2/20/91	2/20/91	2/21/91	2/21/91	2/21/91	4/18/91	2/26/92
Parameter									
Acetone								0.009J	
Benzene						0.002J			
Chlorobenzene						0.13			
Methylene chloride	0.003BJ	0.003BJ	0.005BJ	0.004BJ	0.002BJ	0.002BJ	0.002BJ	0.011B	0.002BJ
Trichloroethene								0.01	
Toluene								0.005	
Carbon disulfide									0.004J

Concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.
B Indicates compound was detected in the associated blank as well as in the sample.
D Indicates the sample was analyzed at a secondary dilution factor.
J Indicates an estimated value less than the sample detection limit.
' Field duplicate sample.

Table 4-8. Summary of Semivolatile Organic Compounds and Phenols Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation:	34A	35A*	37A	38A	38B	39B	39D	39D+	39E
Sample Collection Date:	2/25/91	4/17/91	2/26/91	2/26/91	2/26/91	4/19/91	4/19/91	4/19/91	4/19/91
Parameter									
bis (2-Ethylhexyl)phthalate	0.003J		0.007J	0.007J	0.005J				
2-Chlorophenol						0.042J	0.011J		
Dibenzofuran						0.052J	0.008J		
1,3-Dichlorobenzene						0.071J	0.008J		
1,4-Dichlorobenzene						2.2	0.18		0.011J
1,2-Dichlorobenzene						1.2	0.11		0.007J
2,4-Dimethylphenol							0.009J		
Di-n-octyl phthalate			0.003J						
Isophorone		0.003J							
2-Methylnaphthalene						0.024J	0.004J		
3-Methylphenol		0.006JX				0.066JX	0.04X		
4-Methylphenol		0.006JX				0.066JX	0.04X		
Naphthalene						1.3	0.13		0.007J
2-Nitrophenol		0.001J							
Phenol		0.006J	0.002J	0.003J		2.0			0.008J
1,2,4-Trichlorobenzene		0.002J				0.050J			
Benzoic acid		0.004J							
Phenols	0.0115			0.101		4.24	0.201	0.148	

Concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.
B Indicates compound was detected in associated blank as well as in the sample.
J Indicates an estimated value less than the sample detection limit.
X Indicates coeluting indistinguishable isomers.
+ Field duplicate sample.
* Not analyzed for phenols.
** Not analyzed for semivolatiles.

Table 4-8. Summary of Semivolatile Organic Compounds and Phenols Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation:	43A	74B**	79B	82A**	82A*	82B	89A**	89B**
Sample Collection Date:	2/27/91	2/27/91	2/28/91	2/22/91	4/17/91	2/22/91	2/21/91	2/21/91
Parameter								
bis (2-Ethylhexyl)phthalate	0.005J		0.002J			0.002BJ		
2-Chlorophenol			0.01					
1,4-Dichlorobenzene			0.014					
1,2-Dichlorobenzene								
Di-n-butyl phthalate			0.002BJ					
Di-n-octyl phthalate	0.002J							
Isophorone			0.004J					
2-Naphthylamine			0.001J					
N-Nitrosodiphenylamine			0.003JX					
Diphenylamine			0.003JX					
Phenol			0.005J					
Naphthalene								
Benzoic acid					0.002J			
Phenols		0.012B	0.012B	0.0101			0.283	0.234

Concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.
B Indicates compound was detected in associated blank as well as in the sample.
J Indicates an estimated value less than the sample detection limit.
X Indicates coeluting indistinguishable isomers.
+ Field duplicate sample.
* Not analyzed for phenols.
** Not analyzed for semivolatiles.

Table 4-9. Summary of Metals and Sulfide Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation:	34A	34B	35A	35B	35B+	37A	37B	38A	38B	38B+	39B
Sample Collection Date:	2/25/91	2/25/91	2/25/91	2/25/91	2/25/91	2/26/91	2/26/91	2/26/91	2/26/91	2/26/91	4/19/91
Parameter											
Aluminum	0.0892B	0.11B	62.3	0.105B	0.0902B	23.1	0.122B	8.02	0.0937B	0.13B	2.84N*
Arsenic			0.003B			0.0043B	0.0124	0.0038BW			0.0033B
Barium	0.193B	0.0661B	0.451	0.244	0.218	0.11B	0.121B	0.120B	0.146B	0.116B	0.108B
Beryllium			0.0019B								
Calcium	42.8	85.5	118	65.4	64.2	81.9	16	128	16.5	16.4	403*
Chromium			0.0891			0.0544		0.0149			
Cobalt			0.0729			0.0243B		0.0205B			0.0245B
Copper	0.0041B		0.123	0.004B	0.0058B	0.0606		0.0468	0.0031B		0.0235B
Iron	0.0553B	0.059B	238	5.72	5.63	191	12.9	56.5	5.78	4.95	20.1*
Lead			0.0444			0.044W		0.0444		0.0042	0.0026BN
Magnesium	20.9	35.2	82.5	15.2	14.9	42.4	34.7	58.4	128	129	181*
Manganese	0.631	0.017	5.94	2.59	2.53	2.17	1.4	1.92	2.34	2.35	4.32*
Nickel			0.13			0.0611		0.189			0.0379B
Potassium	1.35B	0.876B	10.9	5.98	6.16	4.96B	1.69B	2.88B	2.43B	2.73B	3.63B
Sodium	17.7	6.99	37	35.2	34.9	3.39B	7.07	2.83B	13	12.4	44.7
Vanadium			0.114			0.0577		0.0217B			0.0088B
Zinc	0.0876	0.0311	8.31	0.0437	0.0484	4.52	0.0461	8.51	0.0532	0.0279	0.235EN*
Total Sulfide	0.0014		0.001								0.0054

Results are dissolved concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.

B Indicates the reported value is less than the contract required detection limit (CRDL), but greater than the instrument detection limit (IDL).

E Indicates the reported value is estimated because of the presence of interference.

N Indicates the sample matrix spike analysis was outside control limits.

Q Indicates a severe physical or chemical interference in the sample. Result should be regarded as an estimate only.

W Indicates a slight matrix related interference for the analyte.

* Indicates sample matrix duplicate analysis was not within control limits.

+ Field duplicate sample.

Table 4-9. Summary of Metals and Sulfide Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation: / Sample Collection Date:	39D 4/19/91	39D+ 4/19/91	39E 4/19/91	43A 2/27/91	43B 2/27/91	79A 2/28/91	79B 2/28/91	82A 2/22/91	82B 2/22/91	84A 4/18/91	94B 4/18/91
Parameter											
Aluminum	0.0928BN*	0.0935BN*	0.082BN*	0.114B	0.0579B	0.0967B	3.99			0.151B	0.0373BN*
Antimony			0.0719								0.0235B
Arsenic		0.0171B	0.0031B		0.0098B		0.0056B			0.0107	0.0065B
Barium	0.0171B		0.0556B	0.0612B	0.0988B	0.0678B	0.262		0.24	0.0475B	0.155B
Calcium	11.6*	11.7*	79.5*	94E	125E	35.8E	74.5E	18	29	31.3	46.3*
Chromium							0.0132				
Copper							0.029	0.041			
Iron		0.0516B*		0.698E	0.493E	0.169E	29.5E	0.69	4.5	0.0482B	
Lead			0.0026BN	0.003	0.0104	0.0035	0.022	0.0062		0.0024B	
Magnesium	3.42B*	3.46B*	20.3*	54.6	47.6	12.5	59.8	12	13	10.5	14.7*
Manganese	0.0291*	0.0308*	0.0924*	0.0796	0.651	0.304	0.683	0.21	0.26	0.0726	0.259*
Mercury								0.0018			
Nickel			0.0076B					0.15		0.007B	
Potassium	4.24B	4.16B	3.48B		4.07B		4.52B			1.72B	1.79B
Sodium	77.8	78.6	9.53	13.8	5.44	2.44B	67		5.8	3.94BE	2.81B
Zinc	0.0302EN*	0.0315EN*	0.157EN*	0.0227	0.0221	0.0166B	0.0965	0.63	0.049	0.0708	0.0394EN*
Total Sulfide								0.0015			

Results are dissolved concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.

B Indicates the reported value is less than the contract required detection limit (CRDL), but greater than the instrument detection limit (IDL).

E Indicates the reported value is estimated because of the presence of interference.

N Indicates the sample matrix spike analysis was outside control limits.

Q Indicates a severe physical or chemical interference in the sample. Result should be regarded as an estimate only.

W Indicates a slight matrix related interference for the analyte.

* Indicates sample matrix duplicate analysis was not within control limits.

+ Field duplicate sample.

Table 4-10. Summary of Polychlorinated Biphenyls (PCBs) Detected in Groundwater Samples, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Designation: / Sample Collection Date: / Parameter	79A 2/28/91	79B 2/28/91	82B 2/22/91
PCB-1254	0.0043	0.00085	
PCB-1260			0.00077

Results are dissolved concentrations reported in milligrams per liter (mg/L).
Only detected analytes are shown.

Table 4-11. Summary of Volatile Organic Compounds (VOCs) and Furans Detected in Groundwater Samples, Remainder of GE Facility, GE Company, Pittsfield, Massachusetts.

Parameter	Well Designation: / Sample Collection Date:	RF-14 8/29/91	RF-14* 8/29/91	RF-15 8/29/91
VOCs (mg/L)				
Carbon disulfide		0.006	0.004J	
Furans **				
Total Tetrachlorodibenzofurans		1.3		0.36
Total Pentachlorodibenzofurans		0.96		
Total Hexachlorodibenzofurans		2.1		

Only detected analytes are shown.

* Field duplicate sample.

mg/L Milligrams per liter (mg/L).

J Indicates an estimated value less than the sample detection limit.

** Results reported in nanograms per liter (ng/L) by IT Analytical Services. Analysis of split sample by Compu Chem Laboratories produced no detectable furan concentrations.

Table 4-12. Summary of Metals Detected in Groundwater Samples, Remainder of GE Facility, GE Company, Pittsfield, Massachusetts.

Well Designation:	RF-14	RF-14*	RF-15
Sample Collection Date:	8/29/91	8/29/91	8/29/91
Parameter			
Aluminum			0.22
Calcium	29	37	450
Cobalt	0.067	0.063	0.067
Magnesium	10	14	55
Manganese	0.11	0.091	
Potassium		5.4	
Sodium	16	13	4.4

Results are dissolved concentrations reported in milligrams per liter (mg/L).
Only detected analytes are shown.
* Field duplicate sample.

TABLE 4-13

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUMMARY OF PHOTOIONIZATION DETECTOR (PID) READINGS

Boring ID	Sample Depth Interval (Feet) and Corresponding PID Reading (PID Units)															
RF-14	0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-18	18-20	20-22	22-24				
	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
RF-15	0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-18	18-20	20-22	22-24				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
39D	0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-26	26-28	28-30	30-32
	0.0	0.0	0.0	3.6	95.9	156	161	356	548	277	105	100	194	132	99.1	205
	32-34	34-36	36-38	38-40	40-42	42-44	44-46	46-48	48-50	50-52	52-54	54-56	56-58	58-60	60-62	62-64
	75.0	239	233	102	250	239	357	305	398	256	200	156	250	90.8	103	NS
	64-66	66-68														
	12.8	36.3														
39E	0-86	86-88	88-96	96-98	98-106	106-108	108-116	116-118	118-127	127-129	129-137	137-139	139-147	147-149	149-157	157-159
	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.2	NS	0.0
	159-168	168-170	170-197	197-199	199-228	228-230	230-233	233-235								
	NS	0.5	NS	0.5	NS	0.0	NS	0.6								
116E	0-2	2-5	5-7	7-10	10-12	12-15	15-17	17-20	20-22	22-25	25-27	27-30	30-32	32-35	35-37	37-40
	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS
	40-42	42-50	50-52	52-60	60-62	62-70	70-72	72-80	80-82	82-90	90-92	92-97	97-99	99-107	107-109	109-112
	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	0.0	0.0	NS
	112-114	114-117	117-119	119-122	122-124	124-127	127-129	129-132	132-134	134-137	137-139	139-142	142-144			
	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0	NS	0.0			
OBG-1	0.25-5	5-10	10-15													
	5.4	4.5	5.2													
OBG-2	0.20-5	5-10	10-15													
	1.4	0.9	0.1													
OBG-3	0.20-5	5-10	10-15													
	0.7	0.1	0.0													
MW-38	0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16								
	NS	0.0	70	40	NS	92	NS	120								
MW-39	0-4	4-6	6-8	8-10	10-12	12-14	14-16									
	NS	0.2	0.0	NS	100	NS	180									

Notes:
1. All PID readings were obtained by Geraghty & Miller, Inc., O'Brien & Gere, Inc., or ERM-Northeast, Inc., as part of boring installation.
2. These results are qualitative only and do not represent the absolute concentrations of any volatile organic compound in soil, whether the compound is natural or man-made.
3. NS - Not sampled.

Table 4-14. MCP Soil Sample Collection Summary, Unkamet Brook Area and USEPA Area 1, January 25 through June 17, 1991, GE Company, Pittsfield, Massachusetts.

Soil Boring Designation	Collection Date	Total Depth (feet)	Highest PID Reading (ppm)/ Depth	App. IX+3 Sample Interval	Total Number of VOC Samples*	Duplicate ID/ Depth (feet)/ Analysis	Field Blank ID/Analysis	Matrix Spike - Matrix Spike Duplicate/ Depth/Analysis
39D	1/24/91	24	548/16-18		8	PU39BDP1/6-8/PCBs DP-1/16-18/VOCs	-	-
	1/25/91	48	357/44-46		12	-	PU39BFB/PCBs PU39BFB1/VOCs	PU39B4648MS/46-48/Semi-VOCs PU39B4648MD/46-48/Semi-VOCs
	2/28/91	68	398/48-50		1	PU39BDP2/50-52/PCBs	-	-
39E	1/31/91	129	0.0		2	-	-	PU39B9698MS/96-98/PCBs PU39B9698MS/96-98/VOCs PU39B9698MD/96-98/PCBs PU39B9698MD/96-98/VOCs
	2/4/91	139	0.0		0	-	-	-
	3/7/91	235	0.6/233-235		1	-	-	PU39B233MS/233-235/VOCs PU39B233MD/233-235/VOCs
116E	NS	150	0.0		0	-	-	-
RF-14	6/10/91	24	0.3/6-8	10-12	0	-	-	PG14B22MS/PCBs PG14B22MD/PCBs
RF-15	6/17/91	24	0.0	14-16	0	DP-1/2-4/PCBs DP-2/6-8/PCBs DP-1/14-16/App. IX+3		PG15B14MS/14-16/App. IX+3 PG15B14MD/14-16/App. IX+3

* Exclusive of App. IX+3 VOC sample.
NS Not sampled.

Table 4-15. Summary of Volatile Organic Compounds Detected in Soil Boring Samples, Boring 39D, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Sample Interval (ft):	8-10	10-12	12-14	14-16	16-18	16-18*	18-20	20-22	22-24	24-26	26-28
Sample Collection Date:	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/25/91	1/25/91
Parameter											
Acetone	0.99BJ		2.5B	2.1B	7.8BJ	1.5B	1.3BJ	1.1BJ	1.7B	1.7B	0.045B
Benzene			0.15J		1.8J						
Chlorobenzene	1.2	22	21	6.4	240	1.1	8.7	2.7	1	6.7	0.31
Chloroform											0.004J
Ethylbenzene		0.36J	0.47J								
Methylene chloride	0.75BJ	0.5BJ	0.79BJ	1.4BJ	7BJ	1.7B	0.68BJ	1.1BJ	1.2BJ	0.62BJ	0.077B
Trichloroethene					3.7J						
Toluene		0.2J	0.21J		2.4J						
Xylenes (total)		0.85J	0.82								
Tetrachloroethene						0.340J					

Concentrations reported in milligrams per kilogram (mg/kg). Only detected analytes are shown.

* Field duplicate sample.

B Indicates compound was detected in the associated blank as well as in the sample.

J Indicates an estimated value less than the sample detection limit.

Table 4-15. Summary of Volatile Organic Compounds Detected in Soil Boring Samples, Boring 39D, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Sample Interval (ft):	28-30	30-32	32-34	34-36	36-38	38-40	40-42	42-44	44-46	46-48	48-50
Sample Collection Date:	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/28/91
Parameter											
Acetone	1.6B	3.2	2.4J	2.8B	1.2BJ		3.2	1.3BJ	2.7B	1.4BJ	1.8BJ
Benzene				0.34J			0.32J				0.48J
Chlorobenzene	1.1	27	41	29	8.8	1.4	43	21	2.1	1.2	36
Chloroform		2.6									
Methylene chloride		2.9B	1.1BJ	1.4BJ	1.4BJ	0.58BJ	1.2BJ	1.7B	0.98BJ	1.1BJ	1.4BJ
Trichloroethene	1.6B	0.29J	0.4J	0.44J			0.63J				2.3
Toluene				0.21J							0.25J

Concentrations reported in milligrams per kilogram (mg/kg). Only detected analytes are shown.

* Field duplicate sample.

B Indicates compound was detected in the associated blank as well as in the sample.

J Indicates an estimated value less than the sample detection limit.

Table 4-16. Summary of Volatile and Semivolatile Organic Compounds Detected in Soil Samples, Boring 39E, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Parameter	Sample Interval (ft): / Sample Collection Date:	96-98 / 1/31/91	106-108 / 1/31/91	233-235 / 3/7/91
Volatile Organic Compounds				
Acetone				0.013B
Benzene				0.003J
Chlorobenzene			0.002J	0.007
1,1-Dichloroethene				0.003J
Methylene chloride		0.020B	0.036B	0.019B
1,1,2-Trichloro-1,2,2-trifluoroethane				0.003J
Trichloroethene				0.003J
Toluene				0.003J
Semivolatile Organic Compounds				
bis(2-Ethylhexyl)phthalate		0.130J	0.240J	0.48
Di-n-butyl phthalate			0.054J	

Concentrations reported in milligrams per kilogram (mg/kg). Only detected analytes are shown.
B Indicates the compound was found in the associated blank as well as in the sample.
J Indicates an estimated value less than the sample detection limit.

Table 4-17. Summary of Semivolatile Organic Compounds Detected in Soil Boring Samples, Boring 39D, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Sample Interval (ft):	8-10	10-12	12-14	14-16	16-18	16-18*	18-20	20-22	22-24	24-26	26-28
Sample Collection Date:	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/25/91	1/25/91
Parameter											
Acenaphthene						0.14J					
Anthracene	0.63	0.43	0.64		0.86	0.25J				0.14J	0.085J
Benzo(a)anthracene	0.78	0.84			1.5	0.12J					
Benzo(a)pyrene						0.072J					
Benzo(b)fluoranthene						0.14JX					
Benzo(k)fluoranthene						0.14JX					
bis(2-Ethylhexyl)phthalate	0.21J	0.078J	0.67		0.12J	0.063J		0.073J		0.28J	0.41B
1-Chloronaphthalene			0.048J								
4-Chlorophenyl phenyl ether	0.18J	0.18J	0.23J	0.065J	0.37J					0.062J	
Chrysene	0.33J	0.25J	0.57	0.1J	0.64	0.098J				0.089J	
Dibenzofuran	1.3	1.1	1.6	0.4J	2	0.19J	0.43J	0.041J	0.058J	0.32J	0.2J
1,3-Dichlorobenzene	0.044J	0.056J	0.12J		0.41					2	
1,4-Dichlorobenzene	1.6	2.3	4	0.74	11D	0.35J	0.91J	0.26J	0.33J	2	0.81
1,2-Dichlorobenzene	1	1.5	2.8	0.57	6.6D	0.29J	0.63J	0.21J	0.28J	1.2	0.48
Di-n-octyl phthalate					0.16J						
Fluoranthene	0.054J		0.1J		0.1J	0.49					
Fluorene					0.052J	0.24J					
Hexachlorobenzene			0.089J		0.059J						
Hexachlorobutadiene			0.04J		0.047J						
2-Methylnaphthalene	0.39J	0.31J	0.51	0.12J	0.87	0.056J				0.13J	0.074J
1-Methylnaphthalene	6.6D	8.3D	14D	3.4	17D	0.54	2.9	0.33J	0.5	2.8	1.7
3-Methylphenol					0.053J						
4-Methylphenol					0.053J						
Naphthalene	2.9	4.1	5.7	3	17D	0.79	3.2	0.53	0.69	3.1	1.8
4-Nitrophenol					0.17J						
Phenanthrene	0.13J	0.083J	0.14J	0.15J	0.2J	0.79					
Phenol	0.29J	0.61	0.48	1.2	1.4	1.1	0.41J	1.2	1.5	0.16J	0.089J
Pentachlorophenol					0.092J						
Pyrene						0.3J					
1,2,3,4-Tetrachlorobenzene			0.045J								
1,2,3,5-Tetrachlorobenzene	0.046JX	0.041JX	0.073JX		0.067JX						
1,2,4,5-Tetrachlorobenzene	0.046JX	0.041JX	0.073JX		0.067JX						
1,2,3-Trichlorobenzene			0.055J		0.065J						
1,2,4-Trichlorobenzene	0.44	0.39J	0.58	0.059J	0.49					0.068J	

Concentrations reported in milligrams per kilogram (mg/kg). Only detected analytes are shown.

* Field duplicate sample.

B Indicates the compound was found in the associated blank as well as in the sample.

D Indicates the compound was analyzed at a secondary dilution factor.

J Indicates an estimated value less than the sample detection limit.

X Indicates coeluting distinguishable isomers.

Table 4-17. Summary of Semivolatile Organic Compounds Detected in Soil Boring Samples, Boring 39D, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Sample Interval (ft):	28-30	30-32	32-34	34-36	36-38	38-40	40-42	42-44	44-46	46-48	48-50
Sample Collection Date:	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/25/91	1/28/91
Parameter											
Anthracene		0.077J		0.045J			0.11J	0.11J	0.069J		0.16J
Benzo(a)anthracene		0.28J			0.047J		0.35J		0.18J		
bis(2-Ethylhexyl)phthalate	0.43B	0.22J	0.14BJ	0.23BJ	0.091BJ	0.34BJ	0.43B	0.15BJ	0.38BJ	0.39BJ	
Butyl benzyl phthalate				0.068J							
2-Chlorophenol				0.068J	0.1J	0.15J	0.16J	0.24J	0.16J	0.31J	0.25J
4-Chlorophenyl phenyl ether			0.15J				0.067J	0.069J	0.044J		0.096J
Chrysene		0.081J	0.2J				0.11J	0.12J	0.068J		0.16J
Dibenzofuran	0.055J	0.14J	0.66	0.11J		0.057J	0.27J	0.28J	0.18J	0.089J	0.46
1,3-Dichlorobenzene			0.12J				0.1J	0.11J	0.045J		
1,4-Dichlorobenzene	0.57	0.18J	3.3	0.86	0.32J	0.27J	3.1	2.8	1.1	0.86	0.88
1,2-Dichlorobenzene	0.38J	0.13J	1.9	0.48	0.2J	0.16J	1.8	1.8	0.72	0.43	0.54
2-Methylnaphthalene	0.45		0.25J	0.044J			0.12J	0.12J	0.073J		0.12J
1-Methylnaphthalene		0.7	5.3	0.95	0.34J	0.44	2.4	2.4	1.5	0.89	3.2
Naphthalene	0.65	0.54	5.5	1.1	0.47	0.5	3.4	3.1	1.9	1.2	2.8
Phenanthrene			0.071J								
Phenol			0.082J	0.083J	0.091J	0.078J	0.097J	0.12J	0.075J	0.12J	0.12J
1,2,4-Trichlorobenzene			0.12J				0.056J	0.061J			0.05J

Concentrations reported in milligrams per kilogram (mg/kg). Only detected analytes are shown.

* Field duplicate sample.

B Indicates the compound was found in the associated blank as well as in the sample.

D Indicates the compound was analyzed at a secondary dilution factor.

J Indicates an estimated value less than the sample detection limit.

X Indicates coeluting distinguishable isomers.

Table 4-18. Summary of Total Polychlorinated Biphenyls (Aroclors) Detected in Soil Boring Samples, Boring 39D, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Sample Interval (ft):	0-2	8-10	10-12	12-14	14-16	16-18	18-20
Sample Collection Date:	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91	1/24/91
Parameter							
Total Aroclors	3.1	0.19	0.11	0.09	0.23	0.34	0.12

Concentrations reported in milligrams per kilogram (mg/kg).
Only detected analytes are shown.

Table 4-19. Summary of Volatile Organic Compounds Detected in Soil Boring Samples, Remainder of GE Facility, GE Company, Pittsfield, Massachusetts.

Soil Boring Designation:	RF-14	RF-15	RF-15*
Sample Depth (ft):	10-12	14-16	14-16
Sample Collection Date:	6/10/91	6/17/91	6/17/91
Parameter			
Methylene chloride	0.075B	0.019B	0.017B
Acetone	0.026B	0.012BJ	0.012BJ
1,1,2-Trichloro-1,2,2-trifluoroethane	0.003BJ		

Concentrations reported in milligrams per kilogram (mg/kg). Only detected analytes are shown.

* Field duplicate sample.

B Indicates compound was detected in associated blank as well as in the sample.

J Indicates an estimated value less than the sample detection limit.

Table 4-20. Summary of Semivolatile Organic Compounds Detected in Soil Boring Samples, Remainder of GE Facility, GE Company, Pittsfield, Massachusetts.

Soil Boring Designation:	RF-14	RF-15	RF-15*
Sample Depth (ft):	10-12	14-16	14-16
Sample Collection Date:	6/10/91	6/17/91	6/17/91
Parameter			
bis(2-Ethylhexyl)phthalate	0.17BJ	0.1J	0.33J
Di-n-octyl phthalate		0.041J	0.046J

Concentrations reported in milligrams per kilogram (mg/kg). Only detected analytes are shown.

* Field duplicate sample.

B Indicates compound was detected in associated blank as well as in the sample.

J Indicates an estimated value less than the sample detection limit.

Table 4–21. Summary of Organophosphorous Pesticides Detected in Soil Boring Samples, Remainder of GE Facility, GE Company, Pittsfield, Massachusetts.

Soil Boring Number:	RF–14
Sample Depth (ft):	10–12
Sample Collection Date:	06/10/91
Parameter	
4,4'–DDE	0.21
4,4'–DDT	0.078

Concentrations reported in milligrams per kilogram (mg/kg).
Only detected analytes are shown.

Table 4–22. Summary of Total Polychlorinated Biphenyls Detected in Soil Boring Samples, Remainder of GE Facility, GE Company, Pittsfield, Massachusetts.

Soil Boring Designation:	RF–14	RF–15	RF–15*
Sample Collection Date:	06/10/91	06/17/91	06/17/91
Sample Interval (ft)			
0–2		0.06	
2–4			1.1
4–6	0.15		
6–8	0.06		0.69
8–10	0.29	0.31	
10–12	(0.2)		
12–14	0.05	0.71	
14–16			(0.076)
18–20	0.11	0.35	
20–22	0.38		
22–24	0.15	0.05	

Samples were analyzed by IT analytical Services, Knoxville, TN, unless otherwise stated.
Concentrations reported in milligrams per kilogram (mg/kg).
Only detected analytes are shown.
* Field duplicate sample.
( ) Data presented in parentheses were reported by CompuChem Laboratories, Research Triangle Park, NC

Table 4–23. Summary of Metals and Sulfide Detected in Soil Boring Samples, Remainder of GE Facility, GE Company, Pittsfield, Massachusetts.

Soil Boring Designation:	RF–14	RF–15	RF–15+
Sample Depth (ft):	10–12	14–16	14–16
Sample Collection Date:	06/10/91	06/17/91	06/17/91
Parameter			
Aluminum	3570	8070	6790
Arsenic	4.1QN	7.0AN	7.9AN
Barium	13.7BN*	19.3BN	26.1N*
Beryllium		0.35B	0.27B
Cadmium		0.99	1.5
Calcium	18500	37400	36300
Chromium	5.2	22.4	31.3
Cobalt	4.2B	19.6	29.3
Copper	7.6	17.6	23.3
Iron	8,460E	16,100E	17,100E
Lead	4.7*	6.2*	7.0*
Magnesium	10900	19800	21500
Manganese	237	519	654
Mercury			0.15*
Nickel	6.4E	16.9E	34.0E
Potassium	441B	687	643
Silver			1.7N
Sodium	72.9B	80.0B	82.6B
Vanadium	5.0B	7.6	7.9
Zinc	24.3*	64.8*	67.5
Sulfide	12		

Concentrations reported in milligrams per kilogram (mg/kg). Only detected analytes are shown.

\+ Field duplicate sample.

A Indicates spike recoveries are outside the range of 85% to 115%. Reported result is produced from a single–point method–of–standard–addition on calculation.

B Indicates the reported value is less than the contract required detection limit (CRDL), but greater than the instrument detection limit (IDL).

E Indicates the reported value is estimated because of the presence of interference.

N Indicates the sample matrix spike analysis was outside control limits.

Q Indicates a severe physical or chemical intereference in the sample. Results should be regarded as an estimate only.

* Indicates sample matrix duplicate analysis was not within control limits.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WATER TABLE ELEVATIONS: 1983 - 1989

Well	Elevation of Measuring Point	12/7-8/83	4/30/84 to 5/3/84	10/1/84	4/24/85	4/24/87	5/26/87	6/23/87	8/12/87	10/1-2/87	9/26-27/88	10/2/89
2A	994.11	-	986.01	985.15	985.60	-	-	-	-	-	-	-
2B	993.50	-	986.03	985.26	985.55	-	-	-	-	-	-	-
9A	993.42	987.72	986.37	985.71	987.00	-	-	-	-	-	-	-
16A	991.95	984.55	984.68	983.53	984.06	-	-	-	-	983.09	-	a
16B	992.08	985.67	985.28	984.58	985.04	-	-	-	-	984.83	984.42	984.43
16C	991.45	985.39	985.05	983.90	985.45	-	-	-	-	-	-	a
16E	992.12	985.82	985.74	984.65	985.13	-	-	-	-	985.16	984.92	a
30B	997.99	-	-	-	-	988.64	-	-	987.38	-	-	-
31B	1,001.55	-	-	-	-	988.64	987.45	986.95	986.55	-	-	-
34B	1,000.43	-	-	-	-	988.96	986.82	986.17	986.74	985.52	986.03	985.73
35B	997.39	-	-	-	-	987.83	986.21	985.68	986.49	985.41	985.50	985.43
37B	995.58	-	-	-	-	987.76	986.18	985.60	986.80	985.36	985.71	985.52
38B	993.75	-	-	-	-	987.65	986.37	986.18	-	985.46	986.07	985.83
39A	991.62	986.00	985.78	985.00	985.44	-	-	-	-	985.48	985.24	b
39B	991.84	986.13	985.66	984.94	985.36	-	985.70	985.25	987.36	985.33	985.07	985.17
43A	993.78	988.55	984.57	987.54	987.62	-	-	-	-	987.50	987.83	987.72
43B	993.69	987.63	983.46	987.29	987.43	-	-	-	-	987.60	987.69	987.46
46A	988.97	987.88	987.17	987.23	984.05	-	-	-	-	987.82	-	b
46B	988.59	986.66	986.55	986.37	986.62	-	-	-	-	987.78	-	b
50A	992.02	-	-	-	-	-	-	-	-	988.20	988.11	988.11
50B	991.72	-	-	-	-	-	-	-	-	988.03	987.58	988.04
51A	990.04	-	-	-	-	-	-	-	-	987.80	987.62	987.92
51B	990.08	-	-	-	-	-	-	-	-	987.58	986.79	986.41
52A	990.23	-	-	-	-	-	-	-	-	987.69	987.45	987.63
52B	990.65	-	-	-	-	-	-	-	-	987.33	987.31	987.42
72A	997.00	-	986.61	987.69	987.65	-	-	-	-	987.94	987.75	987.84

(See notes on page 3)

GENERAL ELECTRIC COMPANY
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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WATER TABLE ELEVATIONS: 1983 - 1989

Well	Elevation of Measuring Point	12/7-8/83	4/30/84 to 5/3/84	10/1/84	4/24/85	4/24/87	5/26/87	6/23/87	8/12/87	10/1-2/87	9/26-27/88	10/2/89
72B	996.84	-	988.99	987.99	988.76	-	-	-	-	989.00	989.06	989.13
79A	993.42	-	-	-	-	-	-	-	986.97	986.99	-	987.05
79B	993.17	986.96	986.66	986.09	986.30	-	-	-	986.17	987.22	-	986.50
80A	989.19	-	986.72	986.78	987.00	-	-	-	986.04	-	-	b
80B	988.54	-	986.00	985.91	986.02	-	986.10	b	-	-	-	-
89A	985.81	983.41	983.16	981.93	982.42	982.05	982.33	982.24	-	-	-	-
89B	985.72	982.10	983.14	981.94	982.40	981.88	982.19	981.87	-	-	-	-
89D	985.46	981.76	983.42	982.07	982.64	982.20	982.51	b	-	-	-	-
90A	988.21	983.67	983.31	981.88	982.49	982.18	982.37	982.47	-	-	-	-
90B	989.03	981.86	983.32	981.75	982.42	982.01	982.25	982.21	-	-	-	-
93A	987.99	-	986.81	986.45	986.17	-	-	-	-	-	-	-
93B	986.47	-	985.04	985.93	983.75	-	-	-	-	-	-	-
95A	987.25	981.10	981.04	980.03	980.31	-	-	-	-	-	-	-
95B	987.51	981.01	980.58	979.68	980.04	-	-	-	-	-	-	-
95C	986.94	980.43	983.97	981.92	982.56	-	-	-	-	-	-	-
97A	988.47	982.01	981.60	980.17	980.64	980.36	980.40	980.79	-	-	-	-
97B	988.72	980.93	980.32	978.90	979.37	979.10	979.12	-	-	-	-	-
979.10	-	-	-	-	-	-	-	-	-	-	-	-
97C	988.23	981.76	983.09	981.48	982.11	981.93	981.09	981.34	-	-	-	-
102A	1,004.51	980.56	980.41	978.79	979.34	979.14	979.12	979.40	-	-	-	-
102B	1,003.32	980.05	979.73	978.34	978.82	978.59	978.62	978.82	-	-	-	-
102C	1,003.43	981.74	982.04	980.44	981.09	980.82	980.73	981.05	-	-	-	-
104A	995.33	982.43	984.30	982.38	982.99	*	982.76	a	-	-	-	-
104B	994.44	981.52	982.07	980.29	980.67	*	980.90	a	-	-	-	-
111A	997.55	984.21	984.15	982.83	983.37	983.29	983.66	-	-	-	-	983.33

(See notes on page 3)

GENERAL ELECTRIC COMPANY
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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

WATER TABLE ELEVATIONS: 1983 - 1989

Well	Elevation of Measuring Point	12/7-8/83	4/30/84 to 5/3/84	10/1/84	4/24/85	4/24/87	5/26/87	6/23/87	8/12/87	10/1-2/87	9/26-27/88	10/2/89
111B	996.74	983.63	983.57	982.31	982.94	982.60	982.89	982.49	-	-	-	-
112A	994.71	-	-	-	-	981.65	-	981.71	-	-	-	-
112B	993.68	-	-	-	-	981.25	-	981.33	-	-	-	-
114A	986.23	981.05	980.73	979.59	979.92	979.70	987.84	979.86	-	-	-	-
114B	985.09	981.39	979.69	978.77	979.03	977.70	979.04	979.15	-	-	-	-
114C	986.74	981.05	982.62	981.15	981.52	982.59	981.38	981.57	-	-	-	-
115A	988.53	-	981.67	979.32	980.08	979.62	979.84	979.84	-	-	-	-
115B	990.90	980.11	980.50	978.40	979.15	Dry	Dry	979.69	-	-	-	-
115C	988.37	-	983.57	981.54	982.37	981.88	981.97	982.21	-	-	-	-
S1	989.03	-	-	-	-	987.80	987.00	b	-	-	-	-
S4	986.21	983.95	984.12	983.88	-	-	-*	b	-	-	-	-
S8	984.21	981.16	980.47	981.58	-	-	-	b	-	-	-	-

Notes:

a - Well Destroyed
b - Inaccessible
- = No measurement taken
All elevations are in feet above mean sea level

Table 4-25. Water Levels Collected During Well Inventory, December 5 through December 7, 1990, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Number	Survey Point (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
2A	994.11	9.09	985.02
2B	993.50	8.75	984.75
6A	-	5.44	-
6B	-	5.26	-
8A	988.45	Frozen at 0.33	-
8B	988.78	1.00	987.78
9A	989.57	1.30	988.27
9B	990.47	2.26	988.21
12B	990.01	3.77	986.24
15A	994.53	8.06	986.47
15B	993.72	2.63	991.09
15C	994.79	8.37	986.42
16A	991.95	6.93	985.02
16B	992.08	7.66	984.42
16C	991.45	6.00	985.45
16E	992.12	6.01	986.11
18A	991.15	4.55	986.60
27A	1001.63	10.56	991.07
27B	1001.17	8.99	992.18
31A	1001.41	14.38	987.03
31B	1001.60	14.23	987.37
33A	993.37	7.90	985.47
33B	993.55	8.62	984.93
34A	1000.45	13.54	986.91
34B	1000.31	13.75	986.56
35A	997.94	11.24	986.70
35B	997.45	11.55	985.90
37A	995.50	9.20	986.30
37B	995.59	9.35	986.24
38A	993.39	7.42	985.97
38B	993.82	7.09	986.73
39A	991.62	5.49	986.13
39B	991.84	5.94	985.90
43A	993.78	5.79	987.99
43B	993.69	6.40	987.29
45A	989.15	1.15	988.00
45B	989.15	0.33	988.79
48A	988.88	1.20	987.68
48B	989.21	1.65	987.56
50A	992.02	3.45	988.57

Table 4-25. Water Levels Collected During Well Inventory, December 5 through December 7, 1990, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Number	Survey Point (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
50B	991.72	3.23	988.49
51A	990.04	1.68	988.36
51B	990.08	0.95	989.13
52A	990.23	2.25	987.98
52B	990.65	2.75	987.90
53A	989.75	1.92	987.83
53B	989.72	2.30	987.42
55A	988.94	2.90	986.04
55B	990.23	4.15	986.08
57B	992.51	7.75	984.76
72A	997.00	8.96	988.04
72B	996.84	7.09	989.75
74A	996.07	8.09	987.98
74B	995.75	6.53	989.22
79A	993.42	5.94	987.48
79B	993.17	5.97	987.20
82A	989.71	4.67	985.04
82B	989.72	3.67	986.05
83A	989.27	4.30	984.97
83B	989.34	3.02	986.32
84B	990.74	5.78	984.96
85A	991.44	6.95	984.49
85B	991.53	7.12	984.41
86A	988.64	4.40	984.24
86B	988.70	5.02	983.68
88A	986.13	2.75	983.38
88B	986.16	2.89	983.27
89A	985.81	Blockage at 3.5	-
89B	985.72	2.71	983.01
89D	985.46	1.96	983.50
90A	988.21	4.66	983.55
90B	989.03	5.49	983.54
91A	988.59	5.87	982.72
91B	988.40	5.37	983.03
92A	987.24	5.30	981.94
92B	987.46	6.55	980.91
94A	989.49	3.95	985.54
94B	989.72	3.55	986.17
95A	987.25	5.55	981.70
95B	987.51	6.09	981.42

Table 4-25. Water Levels Collected During Well Inventory, December 5 through December 7, 1990, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Number	Survey Point (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
95C	986.94	3.64	983.30
96A	990.91	-	-
96B	991.28	-	-
97A	988.47	6.73	981.74
97B	988.72	8.25	980.47
97C	988.23	5.80	982.43
98A	989.21	Frozen at 0.50	-
98B	989.23	2.00	987.23
99A	986.16	5.15	981.01
99B	986.31	3.88	982.43
99C	986.00	4.75	981.25
100A	988.94	6.46	982.48
100B	989.08	7.78	981.30
101A	997.23	10.30	986.93
101B	997.24	10.50	986.74
102A	1004.51	23.75	980.76
102B	1003.32	23.07	980.25
102C	1003.43	21.09	982.34
103A	995.23	13.68	981.55
103B	995.40	14.02	981.38
103C	995.87	12.67	983.20
107A	984.64	2.69	981.95
107B	983.97	2.45	981.52
107C	984.26	Frozen	-
108A	986.82	4.35	982.47
108B	985.75	3.69	982.06
109A	990.03	6.68	983.35
109B	989.06	5.45	983.61
110A	993.49	9.65	983.84
110B	992.57	8.61	983.96
111A	997.55	13.34	984.21
111B	996.74	13.30	983.44
112A	994.71	11.67	983.04
112B	993.68	11.10	982.58
113A	997.37	14.20	983.17
113B	997.02	14.83	982.19
114A	986.23	4.84	981.39
114B	985.09	4.38	980.71
114C	986.74	3.25	983.49

Table 4-26. Water Levels Collected During MCP Groundwater Sampling, February 20 through February 28, 1991, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Number	Date	Survey Point (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
16A	2/22/91	991.95	7.45	984.50
16B	2/22/91	992.08	7.08	985.00
16C	2/22/91	991.45	6.69	984.76
16E	2/22/91	992.12	6.61	985.51
27A	2/27/91	1001.63	10.50	991.13
27B	2/27/91	1001.17	9.01	992.16
34A	2/25/91	1000.45	14.04	986.41
34B	2/25/91	1000.31	14.07	986.24
35A	2/25/91	997.94	11.58	986.36
35B	2/25/91	997.45	11.52	985.93
37A	2/26/91	995.50	9.47	986.03
37B	2/26/91	995.59	9.72	985.87
38A	2/26/91	993.39	7.68	985.71
38B	2/26/91	993.82	7.60	986.22
43A	2/27/91	993.78	5.68	988.10
43B	2/27/91	993.69	5.90	987.79
72A	2/27/91	997.00	8.90	988.10
74B	2/27/91	995.75	6.88	988.87
79A	2/28/91	993.42	6.13	987.29
79B	2/28/91	993.17	5.48	987.69
82A	2/22/91	989.71	4.82	984.89
82B	2/22/91	989.72	3.84	985.88
89A	2/21/91	985.81	2.87	982.94
89B	2/21/91	985.72	3.11	982.61
89D	2/21/91	985.46	2.38	983.08
90A	2/20/91	988.21	5.05	983.16
90B	2/20/91	989.03	5.88	983.15
97A	2/21/91	988.47	7.19	981.28
97B	2/21/91	988.72	8.56	980.16
97C	2/21/91	988.23	6.47	981.76
101A	2/28/91	997.23	10.24	986.99
101B	2/28/91	997.24	11.74	985.50
102A	2/20/91	1004.51	24.15	980.36
102B	2/20/91	1003.32	21.73	981.59
102C	2/20/91	1003.43	23.54	979.89
111A	2/20/91	997.55	13.81	983.74
111B	2/20/91	996.74	13.78	982.96
114A	2/21/91	986.23	5.34	980.89
114B	2/21/91	985.09	5.02	980.07
114C	2/21/91	986.74	4.48	982.26

Table 4-27. Condition of Unkamet Brook Monitoring Wells Proposed for MCP Hydraulic Conductivity Testing, GE Company, Pittsfield, Massachusetts.

Proposed Well To Be Tested	Present Condition	Substitution Made
16B	Well casing bent/broken	None
26A, B	Not located	27A, B
29A, B	Not located	31A, B
80A, B	Not located	79A, B
102E	Not installed	116E

Table 4-28. Hydraulic Conductivity Data, Unkamet Brook Area, GE Pittsfield, Massachusetts.

A Wells	B Wells	C Wells	E Wells
8A 0.029ft/d 9.78 x 10^{-6} cm/s	8B 0.97 ft/d 3.43 x 10^{-4} cm/s		
16A 0.42 ft/d 1.49 x 10^{-4} cm/s	16B (Well bent at 6 ft)	16C 0.023 ft/d 7.94 x 10^{-6} cm/s	16E 5.39 ft/d 1.90 x 10^{-3} cm/s
27A 0.029 ft/d 1.03 x 10^{-5} cm/s	27B 0.152 ft/d 5.35 x 10^{-5} cm/s		
31A 0.0058 ft/d 2.05 x 10^{-6} cm/s	31B 0.17 ft/d 6.12 x 10^{-5} cm/s		
37A 0.136 ft/d 4.80 x 10^{-5} cm/s	37B 0.489 ft/d 2.0 x 10^{-4} cm/s		
43A 1.99 ft/d 7.03 x 10^{-4} cm/s	43B 0.173 ft/d 8.79 x 10^{-3} cm/s		
79A 0.31 ft/d 1.1 x 10^{-4} cm/s	79B 0.25 ft/d 8.82 x 10^{-5} cm/s		
94A 1.77 ft/d 6.23 x 10^{-4} cm/s	94B 13.72 ft/d 4.84 x 10^{-3} cm/s		
99A 7.89 ft/d 2.78 x 10^{-3} cm/s	99B 7.24 ft/d 2.55 x 10^{-3} cm/s	99C 7.27 ft/d 2.57 x 10^{-3} cm/s	
102A 2.49 ft/d 8.77 x 10^{-4} cm/s	102B 55.23 ft/d 1.95 x 10^{-2} cm/s	102C 0.103 ft/d 3.62 x 10^{-5} cm/s	
114A 0.015 ft/d 5.44 x 10^{-6} cm/s	114B 0.018 ft/d 6.23 x 10^{-6} cm/s	114C 0.002 ft/d 7.62 x 10^{-7} cm/s	
			116E 0.31 ft/d 1.08 x 10^{-4} cm/s

Hydraulic conductivities are presented in feet per day (ft/d) and centimeters per second (cm/s). Values are calculated from July 1991 slug tests.

Table 4-29. Piezometer Information, July 19, 1991, Groundwater Divide Study, GE Company, Pittsfield, Massachusetts.

Piezometer	Measuring Point* Elevation	Depth** to Water Inside Piezometer	Total Depth** of Piezometer
PZ-1	982.01	4.25	9.17
PZ-2	981.59	3.87	9.00
PZ-3	982.82	4.64	9.01

* Measuring point is top of pipe.
** In feet below measuring point.

Table 4-30. Monthly Water Levels for Groundwater Divide Study, Unkamet Brook, GE Company, Pittsfield, Massachusetts.

	102A	102B	102C	103A	103B	103C	114A	114B	114C	116E	PZ-1	PZ-2	PZ-3
July 24, 1991													
DTW	25.89	25.14	23.25	15.73	16.16	14.79	6.83	6.37	5.87	19.22	4.25	3.87	4.64
Elevation	978.62	978.18	980.18	979.50	979.24	981.08	979.40	978.72	980.87	982.38	977.76	977.72	978.18
August 23, 1991													
DTW	25.00	24.32	22.53	14.70	15.19	13.86	6.26	5.88	5.17	18.63	3.71	3.27	4.10
Elevation	979.51	979.00	980.09	980.53	980.21	982.01	979.97	979.21	981.57	982.97	978.30	978.32	978.72
September 26, 1991													
DTW	24.50	23.81	22.45	14.95	15.28	14.72	5.75	4.97	5.25	18.82	2.78	2.29	3.11
Elevation	980.01	979.51	980.98	980.28	980.12	981.15	980.48	980.12	981.49	982.78	979.23	979.30	979.71
October 24, 1991													
DTW	24.97	24.26	22.44	14.64	15.07	13.92	6.20	5.78	5.12	18.35	3.52	3.02	3.96
Elevation	979.54	979.06	980.99	980.59	980.33	981.95	980.03	979.31	981.62	983.25	978.49	978.57	978.86
November 21, 1991													
DTW	25.03	24.26	22.52	14.94	15.39	14.15	6.24	5.75	5.22	18.48	3.41	2.93	3.75
Elevation	979.48	979.06	980.91	980.29	980.01	981.72	979.99	979.34	981.52	983.12	978.60	978.66	979.07
December 27, 1991													
DTW	24.76	24.06	22.21	14.52	14.97	13.68	6.07	5.65	4.90	18.05	3.27*	2.79	3.63
Elevation	979.75	979.26	981.22	980.71	981.25	982.19	980.16	979.44	981.84	983.55	978.74	978.80	979.19

DTW - Depth to Water.

The following depth to water and elevation measurements were also collected on October 24, 1991: 16A (7.92, 984.03); 16C (7.09, 984.36); 16E (7.20, 984.92); 39B (6.57, 985.27); 39D (6.82, 985.35); 39E (6.54, 985.61); 43A (6.27, 987.51); 43B (6.36, 987.33); 72A (9.62, 987.38); 72B (7.82, 989.02); 79A (6.57, 986.85); 79B (6.67, 986.50); 89A (3.49, 982.32); 89B (3.69, 982.03); 89D (3.00, 982.46); 95A (6.93, 980.32); 95B (7.47, 980.04); and 95C (5.01, 981.93).

Table 4-30. Monthly Water Levels for Groundwater Divide Study, Unkamet Brook, GE Company, Pittsfield, Massachusetts.

	102A	102B	102C	103A	103B	103C	114A	114B	114C	116E	PZ-1	PZ-2	PZ-3
January 23, 1992												Frozen at	Frozen at
DTW	25.27	24.57	22.61	15.03	15.49	14.13	6.38	5.97	5.27	18.97	3.78	3.82	2.85
Elevation	979.24	978.75	980.82	980.20	979.91	981.74	979.85	979.12	981.47	982.63	978.23	-	-
February 26, 1992													
DTW	25.18	24.45	22.61	15.13	15.54	14.31	6.29	5.82	5.31	18.47	3.57	3.03	3.93
Elevation	979.33	978.87	980.82	980.10	979.86	981.56	979.94	979.27	981.43	983.13	978.44	978.56	978.89

DTW - Depth to Water.

The following depth to water and elevation measurements were also collected on October 24, 1991: 16A (7.92, 984.03); 16C (7.09, 984.36); 16E (7.20, 984.92); 39B (6.57, 985.27); 39D (6.82, 985.35); 39E (6.54, 985.61); 43A (6.27, 987.51); 43B (6.36, 987.33); 72A (9.62, 987.38); 72B (7.82, 989.02); 79A (6.57, 986.85); 79B (6.67, 986.50); 89A (3.49, 982.32); 89B (3.69, 982.03); 89D (3.00, 982.46); 95A (6.93, 980.32); 95B (7.47, 980.04); and 95C (5.01, 981.93).

TABLE 4-31

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BRROK AREA/USEPA AREA 1

GROUNDWATER QUALITY TREND ANALYSIS – SUMMARY OF CHLOROBENZENE CONCENTRATIONS

	39B	39A	39D	16B	16A	16C	16E	89B	89A	89D
December 1983	15.50	120.00	--	ND	73.25	0.475	ND	1.58	--	0.104
April/May 1984	15.30	86.30	0.24	ND	60.50	0.600	ND	0.523	49.8	0.045
October 1984	10.30	41.50	--	--	63.75	0.105	--	15.00	43.0	0.683
April/May 1985	14.00	89.50	--	--	57.75	0.083	--	ND	38.0	ND
February 1991	44.00	--	--	--	65.00	0.16	--	15.00	48.00	0.006

	95B	95A	95C	114B	114A	114C	115B	115A	115C
December 1983	2.70	ND	ND	ND	ND	0.016	ND	ND	0.04
April/May 1984	5.00	ND	ND	0.42	ND	ND	ND	ND	ND
October 1984	0.72	ND	ND	0.032	ND	ND	ND	ND	ND
April/May 1985	4.40	ND	0.043	ND	ND	ND	ND	ND	ND
February 1991	--	--	--	0.13	ND	ND	--	--	--

Notes:

Concentrations reported in mg/L (ppm)
ND = Not detected
-- = No sample taken

Table 4-32. Summary of Well Points Installed for Preferential Pathway Analysis, Unkamet Brook Area, November 21, 1991, GE Company, Pittsfield, Massachusetts.

Well Point Designation	Elevation of Measuring Point[1]	Depth to Water[2]	Depth[2] of Well Point	Stick Up	Pumping Information
WP-1A	991.83	2.95	6.98	0.85	Pumps less than 1 gal/min, removed 15 gallons
WP-1B	992.04	4.93	8.54	0.10	Pumps less than 1 gal/min, removed 5 gallons
WP-1C	993.64	6.80	12.50	2.30	Pumps less than 1 gal/min, removed 4 gallons
WP-2A	992.00	5.80	9.05	2.20	Pumps 3 gal/min, removed 55 gallons
WP-2B	991.92	5.77	9.04	2.10	Pumps 2 gal/min, removed 45 gallons
WP-2C	990.08	4.28	6.95	3.20	Pumps 10 gal/min, removed 55 gallons
WP-3A	991.33	5.71	9.09	3.60	Pumps less than 1 gal/min, removed 10 gallons
WP-3B	991.68	5.80	9.00	2.00	Pumps 1 gal/min, removed 45 gallons
WP-3C	990.44	4.44	8.05	2.00	Pumps less than 1 gal/min, removed 5 gallons

1) Measuring point is top of pipe.
2) In feet below measuring point.

Table 4-33. Summary of Volatile Organic Compounds Detected in Groundwater Samples, Preferential Pathway Analysis, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

Well Point Designation:	WP-1B	WP-2B	WP-3B	WP-3B*
Sample Collection Date:	12/2/91	12/2/91	12/2/91	12/2/91
Parameter				
Methylene chloride	0.016BJ		0.002BJ	0.005BJ
Benzene	0.15	0.330D		
Toluene	0.033	0.001J		
Chlorobenzene	0.78	1.10D	0.003J	0.004J
Total Xylenes	0.027	0.023		
Carbon disulfide		0.001J		0.002J
1,2,-Dichloroethene (total)		0.002J		
Ethylbenzene		0.027		

Concentrations reported in milligrams per liter (mg/L). Only detected analytes are shown.
B Indicates the compound was found in the associated blank as well as in the sample.
D Indicates analysis at a secondary dilution factor.
J Indicates an estimated value less than the sample detection limit.
* Field duplicate sample.

Table 4-34. Well-Point Water-Level Measurements, Preferential Pathway Analysis, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

	WP-1A	WP-1B	WP-1C	WP-2A	WP-2B	WP-2C	WP-3A	WP-3B	WP-3C
November 21, 1991									
DTW	2.95	4.93	6.80	5.80	5.77	4.28	5.71	5.80	4.44
Elevation	988.88	987.11	986.84	986.20	986.15	985.80	985.62	985.88	986.00
December 2, 1991.									
DTW	2.63	4.78	6.83	5.67	5.67	4.22	5.64	5.63	4.12
Elevation	989.20	987.26	986.81	986.33	986.25	985.86	985.69	986.05	986.32
January 23, 1992									
DTW	3.98	4.16	6.71	5.72	6.67	3.96	5.89	5.98	4.70
Elevation	987.85	987.88	986.93	986.28	985.25	986.12	985.44	985.70	985.74

DTW - Depth to Water

Table 4-35. Summary of Volatile Organic Compounds in Soil-Gas Samples, Preferential Pathway Analysis, Unkamet Brook Area GE Company, Pittsfield, Massachusetts

Vapor Point Number:	VP-1A	VP-1B	VP-2A	VP-2B	VP-3A	VP-3B	VP-4A	VP-4B
Sample Collection Date:	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91
Parameter								
Vinyl chloride						260 D		
1,1-Dichloroethene						12		
Methylene chloride	84	29	22	6.9	110 D	260	220	140
1,1-Dichloroethane						13		
c-1,2-Dichloroethene		10				540		
Chloroform				13		53		
Benzene						810 D		5,900 D
Trichloroethene	370	580	280 D	110		3,500		
Toluene	10	7.6			9.6	490 D	21	300
Tetrachloroethene						58		
Chlorobenzene						3,700		13,000 D
Ethylbenzene						150		970
m- and/or p-Xylene						210 D		330
o-Xylene						140		210
1,3-Dichlorobenzene						24		
1,4-Dichlorobenzene						300 D		450
1,2-Dichlorobenzene						180		85
Dichlorodifluoromethane					6.5			

Concentrations in parts per billion (ppb) v/v. Only detected analytes are shown.
D Indicates analysis at a secondary dilution factor.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF 1991 STREAM WATER AND STREAM GROUNDWATER SAMPLING

(concentrations are reported in ppm)

Measurable Quantities	Date	Sampling Stations S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15
Trichloroethylene	1/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.019	0.011	ND	ND	ND	ND
Toluene	1/91	ND	ND	ND	ND	ND	0.013	0.012	0.010	ND	ND	ND	ND	ND	ND	0.040
Chloroform	1/91	ND	ND	0.036	0.037	0.041	0.050	0.045	0.045	0.047	0.039	0.022	ND	0.041	ND	ND
1,1,1-Trichloromethane	1/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.024	ND	ND
PCBs	1/91	<0.0001	0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Measurable Quantities	Date	Stream Ground-Water Sampling Stations SGW1	SGW2	SGW3	SGW4	SGW5	SGW6	SGW7	SGW8	SGW9	SGW10	SGW11	SGW12	SGW13	SGW14	SGW15
Benzene	1/91	ND	ND	ND	ND	0.760	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1/91	ND	9.6	ND	ND	7.4	ND	ND	ND	ND	ND	ND	0.025	ND	ND	ND
Trichloroethylene	1/91	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	0.011	ND	ND	ND	ND
Methylene Chloride	1/91	ND	ND	0.24	ND	ND	ND	ND	0.150	ND	0.062	ND	ND	0.020	ND	ND
1,1-Dichloroethane	1/91	ND	ND	0.032	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	1/91	ND	ND	ND	0.014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1/91	ND	ND	0.028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	1/91	0.066	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs	1/91	<0.0001	0.0043	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	NA	NA	<0.0001	<0.0001	<0.0001	NA	NA

Notes:
NA-Not Analyzed
ND-Not Detectable
- All ground-water samples, except those for volatile organics, have been filtered prior to analysis.
- Priority pollutants that have been analyzed, but not detected, have not been included on this table.

TAE -2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF THE 1982 THROUGH 1985 STREAM WATER SAMPLING
(concentrations are reported in ppm)

	SW-4						SW-8					
Measurable Quantities	03/22/82	12/16/83	12/20/83	04/30/84	10/04/84	04/26/85*	03/22/82	12/16/83	12/20/83	04/30/84	10/04/84	04/26/85*
Benzene	0.019	ND	0.010	<0.01	ND	ND	0.130	ND	ND	<0.01	ND	ND
Chlorobenzene	0.055	ND	0.059	<0.01	ND	<0.01	1.1	ND	ND	0.028	ND	<0.01
Chloroform	NA	0.012	0.023	0.015	ND	0.033	NA	0.01	0.01	0.019	0.037	0.028
Dichlorobromethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.01	ND
1,2-Dichloroethane	NA	<0.01	<0.01	ND	ND	ND	NA	<0.01	ND	ND	ND	ND
Ethylbenzene	NA	ND	<0.01	ND	ND	ND	NA	ND	ND	ND	ND	ND
Methylene Chloride	NA	0.830	4.5	0.053	1.8	0.088	NA	2.7	1.4	0.049	0.02	0.009
Toluene	0.047	ND	<0.01	ND	ND	ND	0.003	ND	ND	ND	ND	ND
1,1,1-Trichloromethane	NA	0.051	0.02	ND	ND	ND	NA	0.059	0.01	ND	ND	ND
PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Temperature (°C)	NA	0.0055	0.008	0.015	0.016	0.016	NA	0.005	0.008	0.015	0.016	0.016
pH (units)	NA	0.00635	0.00695	0.00725	0.0062	0.0074	NA	0.0685	0.00695	0.0072	0.0064	0.0074
Specific Conductance (umhos/cm.)	NA	0.45	0.35	0.31	0.24	0.275	NA	0.475	0.35	0.275	0.25	0.275

Notes:

*Average of four duplicate samples
ND - not detected
NA - Analysis was not performed

TABLE 5-3

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF STREAM WATER SAMPLING: 1987 - 1989
(concentrations are reported in ppm)

Parameter	Sampling Date	Quantitation Limit (ppb)	SW-1	SW-2	SW-4	SW-8
Volatile Organic Compounds						
Benzene	10/87	0.005	ND	ND	ND	ND
	9/88	0.005	ND	ND	<0.005	<0.005
	10/89	0.005	ND	0.009	ND	0.002*
Chlorobenzene	10/87	0.005	ND	ND	ND	ND
	9/88	0.005	ND	ND	0.013	0.014
	10/89	0.005	ND	0.027	0.006	0.007
Chloroform	10/87	0.005	ND	ND	0.01	0.008
	9/88	0.005	ND	ND	0.008	0.007
	10/89	0.005	ND	ND	ND	0.002*
Methylene Chloride	10/87	0.005	<0.005	<0.005	0.029	0.021
	9/88	0.005	ND	ND	0.067	0.067
	10/89	0.005	ND	ND	0.006	0.006*
Toluene	10/87	0.005	ND	ND	ND	ND
	9/88	0.005	ND	ND	ND	ND
	10/89	0.005	ND	0.005	ND	ND
PCBs						
Aroclor 1016, 1232, 1242, 1248	10/87	0.0001	ND	ND	ND	ND
	9/88	0.0001	ND	ND	ND	ND
	10/89	0.0001	ND	0.00017	0.01	0.012
Aroclor 1254	10/87	0.0003	ND	ND	ND	ND
	9/88	0.0003	ND	0.0004	ND	ND
	10/89	0.0003	ND	ND	ND	ND
Aroclor 1260	10/87	0.0003	ND	ND	ND	ND
	9/88	0.0003	ND	0.0003	ND	ND
	10/89	0.0003	ND	ND	ND	ND
Total Aroclors:	10/87	0.0003	ND	ND	ND	ND
	9/88	0.0003	ND	0.0007	ND	ND
	10/89	0.0001-0.0003	ND	0.00017	0.01	0.012

Notes:

Only those parameters detected are summarized.
* Estimated value less than the detection limit
NA = Not analyzed
ND = Not Detected

TABLE 5-4

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF HIGH-FLOW WATER-COLUMN APPENDIX IX+3 DATA[1,2]
(Concentrations are presented in units of ppm)

Parameter[3]	USW-1[4]	USW-2	USW-4	USW-8	USW-8D	USW-10
Methylene Chloride	0.011B[5]	0.005BJ[6]	0.002BJ	0.004BJ	0.012B	0.006BJ
Acetone	ND[7]	0.005BJ	0.014B	ND	0.013	0.009BJ
Trichloroethene	ND	ND	ND	0.030	ND	ND
Benzene	ND	0.002J	0.002J	0.017	0.017	0.017
Chlorobenzene	ND	0.005	ND	0.098	0.091	0.098
Chloroform	ND	ND	0.002J	0.002J	0.002J	ND
1,2-dichloroethene (total)	ND	ND	ND	0.001J	0.001J	ND
1,2-dichlorobenzene	ND	ND	ND	0.001J	0.002J	0.002J
2-chlorophenol	ND	ND	ND	ND	0.002J	0.001J
1,4-dichlorobenzene	ND	ND	ND	0.001J	0.002J	0.002J
Diethylphthalate	ND	ND	ND	ND	0.001J	ND
N-nitrosodiphenylamine	ND	ND	ND	ND	0.002J	ND
Diphenylamine	ND	ND	ND	ND	0.002J	ND
Phenanthrene	ND	ND	ND	ND	0.001J	ND
n-Butylphthalate	ND	ND	ND	ND	0.001J	ND
ene	ND	ND	ND	ND	0.001J	ND
Chlorobenzilate	ND	ND	ND	ND	0.001J	ND
Butylbenzylphthalate	ND	ND	ND	ND	0.001J	ND
Benzo(a)Anathracene	ND	ND	ND	ND	0.001J	ND
Chrysene	ND	ND	ND	ND	0.001J	ND
Benzo(b)Fluoranthene	ND	ND	ND	ND	0.001J	ND
Benzo(k)Fluoranthene	ND	ND	ND	ND	0.001J	ND
4,6-dinitro-2-methylphenol	ND	ND	ND	ND	0.05	ND
Aroclor 1242 (filtered)	ND	0.000054	0.00013	0.000062	0.000063	0.000066
Total Aroclors (filtered)	ND	0.000054	0.00013	0.000062	0.000063	0.000066
Aroclor 1242 (total)	ND	0.000064	0.000086	0.000066	0.000063	0.000064
Aroclor 1260 (total)	ND	ND	ND	0.000069	ND	ND
Total Aroclors (total)	ND	0.000064	0.000086	0.000135	0.000063	0.000064
Aluminum	0.226	0.131J*[8]	0.176J*	0.173J*	0.171J*	0.104J*
Barium	0.204J*	0.0227J*	0.021J*	0.0217J*	0.0213J*	0.0231J*
Calcium	47.4	47.7	39.3	39.7	39.0	41.3
Copper	ND	ND	ND	0.0055J*	ND	0.044J*
Iron	0.640	0.704	0.668	0.634	0.642	0.632
Lead	0.0045	0.0034	0.0024J*	0.0026J*	0.0033	0.0033
Magnesium	17.7	18.2	14.8	14.9	14.7	15.4
Manganese	0.0703	0.111	0.0995	0.107	0.104	0.151

(See notes on page 2)

TABLE 5-4
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF HIGH-FLOW WATER-COLUMN APPENDIX IX+3 DATA[1,2]
(Concentrations are presented in units of ppm)

Parameter[3]	USW-1[4]	USW-2	USW-4	USW-8	USW-8D	USW-10
Potassium	2.05J*	1.9J*	1.28J*	1.75J*	1.90J*	1.49J*
Sodium	25.3	24.2	21.8	22.2	21.8	23.6
Zinc	0.0089J*	0.011J*	0.0148J*	0.0106J*	0.015J*	0.0134J*

Notes:

[1] Samples were collected by Blasland and Bouck Engineers, P.C. on May 9, 1991 and submitted to CompuChem Laboratories for Appendix IX+3 volatiles, semi-volatiles, and total metals analyses. Samples were also submitted to IT Analytical Services for PCB and TSS analyses.

[2] Results are presented for unfiltered samples unless otherwide indicated. Dissolved metals analyses were inadvertently omitted.

nly those parameters which were detected are summarized.

[4]Location description:
USW-1 - Upstream of the former interior landfill.
USW-2 - Downstream of the former interior landfill.
USW-4 - Just below railroad crossing.
USW-8 - Downstream of railroad crossing
USW-8D - Downstream of railroad crossing (duplicate of USW-8)
USW-10 - Just upstream of Housatonic River confluence.

[5]B = Analyte was also detected in the associated method blank.

[6]J = Indicates an estimated value.

[7]ND = None detected.

[8]J* = Analyte was detected at a level between the quantitation limit and the instrument detection limit.

TABLE 5-5

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF LOW-FLOW WATER-COLUMN APPENDIX IX+3 DATA[1,2]
(Concentrations are presented in units of ppm)

Parameter[3]	USW-1[4]	USW-2	USW-4	USW-8	USW-8D	USW-10
Methylene Chloride	0.002BJ[5,6]	ND[7]	0.004BJ	0.012B	0.010B	0.006BJ
Acetone	ND	ND	0.009BJ	0.006BJ	ND	0.013B
Chloroform	ND	ND	0.013	0.012	0.010	0.008
Bromodichloromethane	ND	ND	0.001J	0.002J	0.001J	ND
Trichloroethene	ND	ND	ND	ND	ND	0.004J
Benzene	0.001J	0.002BJ	0.002J	0.008B	0.007B	0.006B
Chlorobenzene	ND	0.002J	0.003J	0.043	0.036	0.042
Butylbenzylphthalate	0.004BJ	0.003BJ	0.006BJ	0.003BJ	0.002BJ	0.003BJ
Aroclor 1242 (filtered)	ND	0.00004	0.00007	0.00007	0.00007	0.00007
Total Aroclors (filtered)	ND	0.00004	0.00007	0.00007	0.00007	0.00007
Aroclor 1242 (total)	ND	0.00006	0.00011	0.00011	0.00012	0.0001
Aroclor 1260 (total)	ND	ND	ND	0.00009	0.00011	0.0001
Total Aroclors (total)	ND	0.00006	0.00011	0.0002	0.00023	0.0002
Aluminum	0.161J*[8]	0.146J*	0.137J*	0.195J*	0.177J*	0.189J*
Barium	0.0246J*	0.0269J*	0.183J*	0.0194J*	0.0191J*	0.0216J*
Calcium	46.7	47.8	21.1	20.5	21.4	23.4
Iron	0.808	0.634	0.352	0.405	0.378	0.467
Lead	0.0079	0.0023J*	0.0026J*	ND	0.0042	0.0024J*
Magnesium	17.9	18.4	7.46	7.18	7.52	8.13
Manganese	0.110	0.0889	0.0438	0.0445	0.0455	0.0832
Potassium	1.12J*	1.62J*	ND	ND	ND	ND
Sodium	24.5	27.7	14.5	14.1	14.6	16.1
Zinc	0.0267	0.0234	0.0149J*	0.0159J*	0.0167J*	0.0196J*

Notes:

1. Samples were collected by Blasland & Bouck Engineers, P.C., on September 12 and 13, 1991 and submitted to CompuChem Laboratories, for analysis of Appendix IX+3 volatiles, semi-volatiles, and total metals. Samples were submitted to IT Analytical Services, Knoxville, Tennessee, for PCB and TSS analysis. Dissolved metals analyses are not reported due to improper field sample preparation.
2. Results are presented for unfiltered samples unless otherwise indicated.
3. Only those parameters which were detected are summarized.
4. Location descriptions:
   USW-1 - Upstream of former Interior Landfill
   USW-2 - Downstream of former Interior Landfill
   USW-4 - Just below Railroad crossing
   USW-8 - Downstream of railroad crossing
   USW-8D - Downstream of railroad crossing (duplicate of location USW-8)
   USW-10 - Just upstream of Housatonic River confluence
5. J - Indicates an estimated value.
6. B - Analyte was also detected in associated method blank.
7. ND - Not detected.
8. J* - Analyte was detected at a level between the quantitation limit and the instrument detection limit.

TABLE 5-6

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF HOUSATONIC RIVER MCP SURFACE WATER SAMPLING IN RELATION TO UNKAMET BROOK[1]
(concentrations are presented in units of ppm)

High-Flow Monitoring Results[2]

Parameter[4]	Upstream of Unkamet Brook Confluence	Downstream of Unkamet Brook Confluence
Aluminum	0.532	0.399
Barium	0.0149J[6]	0.0153J
Calcium	10.8	11.4
Iron	0.667	0.554
Lead	0.0034	0.0025J
Magnesium	3.49J	4.25J
Manganese	0.0449	0.043
Potassium	1.99J	1.47J
Sodium	6.76	6.64
Zinc	0.009J	0.0124J

Low-Flow Monitoring Results[3]

Parameter[4]	Upstream of Unkamet Brook Confluence	Downstream of Unkamet Brook Confluence
Benzene	ND[5]	0.008
Chlorobenzene	ND	0.024
Endosulfan I	0.00014	.000053
Benzylbutylphthalate	0.002BJ[9]	0.001BJ
Aluminum	0.229	0.207
Barium	0.0283J	0.0324J
Calcium	34.3	34.5
Iron	0.318	0.387
Magnesium	14.3	14.6
Manganese	0.0841	0.108
Potassium	5.01	5.02
Sodium	51.3	47.7
Sulfide	1.1	ND
Zinc	0.197	0.0923

(See notes on page 2)

TABLE 5-6
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF HOUSATONIC RIVER MCP SURFACE WATER SAMPLING IN RELATION TO UNKAMET BROOK[1]
(concentrations are presented in units of ppm)

Notes:

[1] Samples were submitted to CompuChem Laboratories, Research Triangle Park, North Carolina for analysis of Appendix IX+3 constituents except for PCBs. Samples were submitted to IT Analytical Services for PCB analysis.
[2] Samples were collected by Blasland & Bouck Engineers, P.C., on April 23, 1990.
[3] Samples were collected by Blasland & Bouck Engineers, P.C. on September 10, 1990.
[4] Only those parameters which were detected are summarized.
[5] ND = not detected.
[6] J = Indicates an estimated value.
[7] B = Analyte was also detected in associated method blank.

TABLE 6-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF THE 1981 SEDIMENT SAMPLING[1]
(concentrations are reported in dry weight ppm)

Stream Station	Aroclor 1016	Aroclor 1254	Aroclor 1260	Total PCBs
S-1-ABC	0.07	0.02	0.22	0.31
S-2-ABC	23	19	12	54
S-3-ABCD	1.1	0.14	0.26	1.5
S-4-ABC	3.4	6.1	7.5	17
S-5-ABC	6.4	24	84	114
S-6-ABC	0.46	1.7	4.5	6.66
S-7-ABC	0.39	0.9	3.2	4.49
S-8-ABC	0.25	0.8	0.41	1.46
S-9-ABC	0.043	0.41	0.19	0.643
S-10-ABC	0.27	1.7	2.5	4.47
S-11-ABCDE	0.23	0.41	0.2	0.84
S-12-ABCDE	<0.5	<0.5	<0.5	<0.5
S-13-E	1.0	3.3	0.29	4.59
S-14	0.33	3.3	0.89	4.52
S-15	0.009	0.097	0.009	0.115

Note:

[1]Results represent PCB concentrations of composite samples collected along brook transects. Letters A through E indicate the number of composite locations.

TABLE 6-2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF 1982 PHASE I AND PHASE II SEDIMENT SAMPLING
(concentrations reported in dry weight ppm)

Station*	Layer**	Chloro-Benzene	Aroclor 1242	Aroclor 1254	Aroclor 1260	Total PCBs
2	1	<1	<1	<1	<1	<1
	2	<1	<1	<1	<1	<1
	3	<1	<1	<1	<1	<1
7	1	4.2	<1	<1	2.1	2.1
	2	<1	<1	<1	<1	<1
	3	<1	<1	<1	<1	<1
12	1	<1	4.6	5.4	3.5	13.5
	2	<1	<1	<1	<1	<1
	3	<1	<1	<1	<1	<1
13	1	<1	<1	<1	2.4	2.4
	2	<1	<1	<1	<1	<1
	3	<1	<1	<1	<1	<1
14	1	<1	<1	3.7	19.1	22.8
	2	5.0	<1	5.8	10.6	16.4
	3	<1	<1	<1	<1	<1
15	1	<1	18.7	7.6	29.8	56.1
	2	<1	10.6	26.6	24.4	61.6
	3	<1	9.4	171	26.8	53.3
16	1	<1	21.8	13.7	21.8	57.3
	2	<1	3.5	2.2	9.8	15.5
	3	<1	12.1	9.0	37.0	58.1
17	1	<1	15.3	<1	11.5	26.8
	2	<1	23.6	5.5	22.0	51.1
	3	2.8	<1	<1	<1	<1
18	1	<1	1.9	<1	3.3	5.2
	2	<1	17.6	1.9	13.3	32.8
	3	<1	110	11.7	5.7	127.4
	4	<1	16.3	2.5	9.0	27.8
	5	<1	<1	<1	<1	<1

(See notes on page 4)

TABLE 6-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY UNKAMET BROOK AREA/FOR USEPA AREA 1

SUMMARY OF 1982 PHASE I AND PHASE II SEDIMENT SAMPLING
(concentrations reported in dry weight ppm)

Station*	Layer**	Chloro-Benzene	Aroclor 1242	Aroclor 1254	Aroclor 1260	Total PCBs
24	1	<1	2.1	2.1	3.3	7.5
	2	<1	5.8	3.6	10.1	19.5
	3	<1	<1	<1	<1	<1
25	1	<1	1.2	1.4	6.7	9.3
	2	<1	<1	<1	4.7	4.7
	3	<1	<1	<1	<1	<1
26	1	<1	6.5	5.4	10.6	22.5
	2	<1	10.3	31.5	14.3	56.1
	3	3.4	6.7	17.2	7.4	31.3
	4	<1	13.4	5.2	10.5	29.1
	5	5.1	9.1	162	47.5	218.6
27	1	<1	5.2	<1	10.0	15.2
	2	4.8	46.0	7.0	4.9	57.9
	3	<1	<1	<1	<1	<1
	4	7.4	72.5	10.0	14.5	97.0
	5	12.8	10.9	8.4	6.0	25.3
28	1	4.1	3.1	1.8	4.3	9.2
	2	7.5	50.2	31.4	18.0	99.6
	3	3.7	<1	<1	<1	<1
29	1	<1	30.9	13.2	11.2	55.3
	2	<1	<1	<1	<1	<1
	3	<1	<1	<1	<1	<1
30	1	<1	45.9	15.8	14.4	76.1
	2	<1	13.8	17.3	15.0	46.1
	3	<1	15.2	12.5	16.0	43.7
	4	<1	<1	<1	<1	<1
31	1	10.7	30.6	35.8	20.4	86.8
	2	24.2	20.8	30.9	28.3	80.0
	3	<1	<1	<1	<1	<1

(See notes on page 4)

TABLE 6-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF 1982 PHASE I AND PHASE II SEDIMENT SAMPLING
(concentrations reported in dry weight ppm)

Station*	Layer**	Chloro-Benzene	Aroclor 1242	Aroclor 1254	Aroclor 1260	Total PCBs
32	1	5.3	130	118	173	421
	2	<1	32.3	19.4	24.2	75.9
33	1	<1	92.8	181	116	389.8
	2	<1	37.6	62.6	37.6	137.8
	3	<1	37.7	50.2	47.1	135.0
34	1	<1	29.4	21.2	13.1	63.7
	2	<1	117	72.3	55.1	244.4
	3	<1	<1	<1	<1	<1
35	1	<1	4.5	6.0	16.5	27.0
	2	2.2	58.7	52.5	134	245.2
	3	<1	30.8	30.8	22.1	84.3
	4	<1	14.1	5.9	56.4	76.4
36	1	<1	65.3	31.8	43.0	140.1
	2	<1	139	51.5	166	365.5
	3	<1	96.3	58.2	142	296.5
	4	<1	56.9	37.0	73.9	167.8
37	1	<1	<1	9.2	9.2	18.4
	2	<1	<1	9.7	13.8	23.5
	3	<1	<1	6.8	4.5	11.3
38	1	<1	<1	2.8	2.8	5.6
	2	<1	<1	28.8	55.0	83.8
39	1	<1	<1	<1	2.7	2.7
	2	<1	<1	1.6	4.7	6.3
	3	<1	<1	30.3	27.1	57.4
	4	<1	<1	<1	<1	<1
40	1	<1	<1	<1	1.2	1.2
	2	<1	<1	<1	2.6	2.6
	3	<1	<1	16.6	14.8	31.4
	4	<1	<1	<1	<1	<1

(See notes on page 4)

TABLE 6-2
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF 1982 PHASE I AND PHASE II SEDIMENT SAMPLING
(concentrations reported in dry weight ppm)

		ppm - dry weight				
Station*	Layer**	Chloro-Benzene	Aroclor 1242	Aroclor 1254	Aroclor 1260	Total PCBs
41	1	<1	<1	<1	<1	<1
	2	<1	<1	<1	<1	<1
	3	<1	<1	<1	1.2	1.2
	4	<1	<1	<1	<1	<1
44	1	<1	<1	3.8	3.8	3.8
	2	<1	<1	<1	<1	<1
	3	<1	<1	<1	<1	<1

Notes:

*Station I.D. represents distances at 100-foot intervals along brook profile.
**Layer represents sequence of layers from top to bottom. Similar materials from each core along each brook transect were subject to composite analysis.

TABLE 6-3

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SEDIMENT SAMPLING: 1982 - 1985
(concentrations are reported in dry weight ppm)

Sample Date	Stream Station 2 Total PCBs	Stream Station 7 Total PCBs	Stream Station 12 Total PCBs
January 1982	<1.0	2.1	13.5
December, 1983	<0.05	0.63	31.0
August, 1984	0.16	7.1	51.0
December, 1984	<0.07	1.0	3.3
May, 1985	<0.05	0.24	6.3

TABLE 6-4

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF THE 1982 BOG AREA SAMPLING
(concentrations are reported in dry weight ppm)

Station	Layer*	Chloro-Benzene	Aroclor 1242	Aroclor 1254	Aroclor 1260	Total PCBs
C-6	1	<1	<1	<1	<1	<1
	2	<1	<1	<1	<1	<1
C-4	1	<1	2.5	3.1	12.8	18.4
	2	<1	<1	<1	<1	<1
C-2	1	<12.8	2.8	3.8	12.8	19.4
	2	<1	<1	<1	<1	<1
F-6	1	<1	<1	51.5	22.9	74.4
	2	<1	2.6	2.3	<1	4.9
	3	<1	<1	<1	<1	<1
	4	<1	<1	<1	<1	<1
F-4	1	4.7	71.9	18.7	22.6	113.2
	2	4.9	9.1	4.3	4.3	17.7
	3	<1	<1	<1	<1	<1
F-2	1	<1	4.9	6.7	12.9	24.5
	2	<1	4.4	3.7	10.8	18.9
G-4	1	5.5	6.6	3.8	3.8	14.2
	2	<1	<1	<1	<1	<1
GH-5	1	<1	35.8	9.6	8.4	53.8
	2	<1	6.3	<1	<1	6.3
	3	<1	<1	<1	<1	<1
H-4	1	<1	3.4	3.7	5.4	12.5
	2	4.3	<1	<1	<1	<1
	3	<1	<1	<1	<1	<1
H-6	1	<1	<1	<1	2.9	2.9
	2	<1	<1	<1	<1	<1
I-2	1	<1	1.9	8.9	18.9	29.7
	2	<1	1.5	<1	<1	1.5
	3	<1	<1	<1	<1	<1

(See notes on page 2)

TABLE 6-4
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF THE 1982 BOG AREA SAMPLING
(concentrations are reported in dry weight ppm)

Station	Layer*	Chloro-Benzene	Aroclor 1242	Aroclor 1254	Aroclor 1260	Total PCBs
K-4	1	<1	1.9	11.4	13.6	26.9
	2	<1	2.2	3.9	4.5	10.6
K-6	1	<1	<1	<1	<1	<1
	2	<1	<1	<1	<1	<1
L-3	1	<1	<1	<1	<1	<1
	2	<1	22.7	32.2	58.7	<1
	3	3.4	3.8	7.2	10.9	113.6
	4	21.1	<1	<1	<1	<1
R-4	1	<1	19.3	9.0	9.8	38.1
	2	<1	7.5	5.4	5.2	18.1
	3	<1	<1	<1	<1	<1
R-6	1	<1	5.8	3.4	8.1	17.3
	2	<1	37.2	17.6	17.6	72.4
	3	42.5	<1	4.2	8.5	12.7
	4	<1	<1	<1	<1	<1
U-7	1	<1	10.3	2.5	3.4	16.2
	2	<1	46.5	104	87.1	237.6
	3	18.9	14.5	6.3	11.7	32.5
	4	54.0	<1	<1	<1	<1

Note:

*Layer I.D. represents sequence of layers from top to bottom.

TABLE 6-5

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SEDIMENT APPENDIX IX+3 ORGANICS DATA
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	USW-1 (0.-0.5')	USW-1 (0.5-1.0')	SE-1*[5] (0.-2.0')	SE-D* (0.-2.0')	SE-2* (0.-2.0')	USW-2 (0.-0.5')	USW-2 (0.5-1.0')	USW-4 (0.-0.5')	USW-4 (0.5-1.0')	USW-8 (0.-0.5')	USW-8 (0.5-1.0')	USW-10 (0.-0.5')	USW-10 (0.5-1.0')
Methylene Chloride	0.33B[6]	0.058B	0.056B	0.029B	0.079B	0.083B	0.063B	0.050B	0.052B	1.10BJ[7]	1.50BJ	0.032B	0.026B
Acetone	0.19B	0.037B	0.014B	0.055B	0.025B	0.091B	0.077B	0.066B	0.091B	ND	0.39B	0.027B	0.014B
1,2-Dichloroethene (total)	ND[8]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003J	ND
2-Butanone	ND	ND	0.020	0.007J	ND	ND	ND	0.004J	0.010J	ND	0.023J	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006J	ND
Benzene	0.003J	ND	ND	ND	ND	0.006J	0.009	ND	ND	ND	ND	ND	ND
Toluene	0.004J	ND	ND	ND	ND	ND	0.012	ND	ND	ND	0.032J	ND	ND
Chlorobenzene	1.10	0.14	0.034	0.013	0.090	0.052	0.098	0.002J	0.005J	5.30	4.00	0.003J	ND
Ethylbenzene	ND	ND	ND	ND	0.004J	ND	0.006J	ND	ND	ND	ND	ND	ND
Total Xylenes	0.006J	ND	ND	ND	0.024	ND	0.022	ND	ND	ND	ND	ND	ND
Aniline	7.30	2.10	0.14J	0.89J	26.0	0.26J	0.23J	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.90	0.57	ND	ND	1.90	0.061J	1.00	ND	ND	ND	0.063J	ND	ND
1,4-Dichlorobenzene	9.90	2.40	ND	0.097J	8.40	0.22J	2.80	ND	ND	0.49J	0.78	0.40J	ND
1,2-Dichlorobenzene	0.11	2.80	ND	ND	0.44J	ND	0.18J	ND	ND	0.29J	0.54	0.086J	ND
2-Methylphenol	0.32	ND	ND	ND	0.94	ND	0.14J	ND	ND	ND	ND	ND	ND
3-Methylphenol	0.27	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	0.27	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	0.077J	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25J	0.10J	ND	ND	0.22J	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trichlorobenzene	0.25J	ND	ND	ND	0.25J	ND	0.14J	ND	ND	ND	ND	ND	ND
Benzoic Acid	ND	ND	ND	ND	ND	0.13J	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.20	0.90J	ND	ND	2.70	0.094J	6.90	ND	ND	ND	ND	0.057J	ND
Naphthalene	0.37J	0.36J	0.10J	ND	1.60	0.088J	0.53	ND	ND	ND	0.055J	0.20J	ND

(See notes on page 4)

TABLE 6-5
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SEDIMENT APPENDIX IX+3 ORGANICS DATA
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	USW-1 (0.-0.5')	USW-1 (0.5-1.0')	SE-1*[5] (0.-2.0')	SE-D* (0.-2.0')	SE-2* (0.-2.0')	USW-2 (0.-0.5')	USW-2 (0.5-1.0')	USW-4 (0.-0.5')	USW-4 (0.5-1.0')	USW-8 (0.-0.5')	USW-8 (0.5-1.0')	USW-10 (0.-0.5')	USW-10 (0.5-1.0')
1,2,3-Trichlorobenzene	0.82	0.43J	ND	ND	0.44J	ND	1.10	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.15J	ND	ND	ND	0.48J	ND	0.19J	ND	ND	ND	ND	0.078J	ND
1-Methylnaphthalene	0.32J	0.20J	0.26J	0.22J	1.10	0.098J	0.38J	ND	ND	ND	ND	0.15J	ND
1,2,4,5-Tetrachlorobenzene	0.56J	0.13J	ND	ND	0.50	ND	0.70	ND	ND	ND	ND	ND	ND
1,2,3,5-Tetrachlorobenzene	0.56J	0.13J	ND	ND	0.50	ND	0.70	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.49J	0.18J	ND	ND	0.13J	ND	ND	ND	ND	ND	ND	ND	ND
1-Chloronaphthalene	0.49J	0.18J	ND	ND	0.13J	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4-Tetrachlorobenzene	4.60	2.00	ND	ND	2.30	0.064J	5.10	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.30J	0.20J	0.13J	0.14J	0.085J	0.089J	0.19J	ND	ND	ND	ND	0.13J	ND
2,6-Dinitrotoluene	ND	0.11J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	0.52J	0.50J	0.27J	0.20J	1.20	0.19J	0.76	0.81J	ND	ND	ND	0.29J	ND
Dibenzofuran	0.32J	0.28J	ND	ND	0.47J	0.076J	0.21J	0.39J	ND	ND	ND	0.21J	ND
Pentachlorobenzene	1.80	0.41J	ND	ND	0.82	ND	1.30	ND	ND	ND	ND	ND	ND
Fluorene	0.51J	0.54J	0.33J	0.25J	0.77	0.19J	0.56J	1.10J	ND	ND	ND	0.31J	ND
Phenanthrene	4.30	4.70	3.80	2.80	2.50	2.00	4.20	21.0	ND	0.44J	ND	3.10	ND
Phenol	2.20	ND	ND	0.32J	5.30	0.44J	36.0	ND	ND	ND	ND	0.11J	ND
Anthracene	0.70	0.94	0.46J	0.41J	0.55	0.25J	0.43J	7.30	ND	ND	ND	0.45J	ND
Di-n-Butylphthalate	0.34J	ND	ND	ND	ND	ND	0.076J	ND	ND	ND	ND	0.14J	ND
Fluoranthene	9.30	7.10	5.70	5.50	3.60	3.40	6.80	55.0	ND	0.88J	ND	4.90	ND
Pyrene	8.40	5.10	4.40	3.60	3.00	2.40	3.60	27.0	ND	0.71J	ND	3.50	ND
Butylbenzylphthalate	ND	ND	ND	0.16J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)Anthracene	4.00	2.80	2.10	2.00	1.40	1.40	2.20	27.0	ND	0.53J	ND	2.30	ND
Chrysene	4.80	2.40	2.20	2.30	2.00	1.70	3.00	21.0	ND	0.55J	ND	2.30	ND
bis(2-Ethylhexyl)Phthalate	0.88	0.50J	0.78J	0.89J	0.86	0.82	0.87	1.30J	ND	ND	ND	1.20	ND

(See notes on page 4)

TABLE 6-5
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SEDIMENT APPENDIX IX+3 ORGANICS DATA
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	USW-1 (0.-0.5')	USW-1 (0.5-1.0')	SE-1*[6] (0.-2.0')	SE-D* (0.-2.0')	SE-2* (0.-2.0')	USW-2 (0.-0.5')	USW-2 (0.5-1.0')	USW-4 (0.-0.5')	USW-4 (0.5-1.0')	USW-8 (0.-0.5')	USW-8 (0.5-1.0')	USW-10 (0.-0.5')	USW-10 (0.5-1.0')
Benzo(b)Fluoranthene	15.0	4.10	3.70	0.32J	4.20	2.60	4.50	38.0	ND	ND	ND	6.00	ND
Benzo(k)Fluoranthene	15.0	4.10	3.70	0.32J	4.20	2.60	4.50	38.0	ND	ND	ND	6.00	ND
Benzo(a)Pyrene	4.30	1.90	1.90	0.39J	1.20	1.30	1.90	18.0	ND	ND	ND	1.70	ND
Indeno(1,2,3-cd)Pyrene	ND	ND	0.60J	ND	ND	0.58	0.81	ND	ND	ND	ND	ND	ND
Dibenz(a,h)Anthracene	ND	ND	ND	ND	ND	0.14J	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)Perylene	ND	ND	ND	ND	ND	0.59	0.78	ND	ND	ND	ND	ND	ND
2,4,5-T	NA[9]	NA	0.027	0.025	1.10	NA	NA	NA	NA	NA	NA	NA	NA
Sulfotepp	NA	NA	0.24	0.79	ND	NA	NA	NA	NA	NA	NA	NA	NA
Phenols (total)	1.17	1.14	0.32	1.71	4.03	0.33	3.96	ND	ND	0.26	0.26	0.23	ND
Aroclor 1242	ND	ND	2.8	3.0	91.0	13.0E[10]	66.0	1.0	ND	0.36	ND	1.8	ND
Aroclor 1254	ND	ND	ND	ND	ND	9.2E	77.0	ND	ND	0.52	ND	1.6	ND
Aroclor 1260	360	180	16.0	24.0	160	17.0	290	3.7	0.07	2.2	ND	8.2	0.06
Total Aroclors	360	180	19.0	27.0	250	39.0	430	4.7	0.07	3.1	ND	12	0.06
Total HxCDD	NA	NA	ND	ND	0.00026	NA	NA	NA	NA	NA	NA	NA	NA
Total HpCDD	NA	NA	ND	ND	0.0005	NA	NA	NA	NA	NA	NA	NA	NA
Total OCDD	NA	NA	0.0003	0.0003	0.0007	NA	NA	NA	NA	NA	NA	NA	NA
Total TCDF	NA	NA	ND	ND	0.0003	NA	NA	NA	NA	NA	NA	NA	NA
Total PeCDF	NA	NA	ND	0.000083	0.0004	NA	NA	NA	NA	NA	NA	NA	NA

(See notes on page 4)

TABLE 6-5
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SEDIMENT APPENDIX IX+3 ORGANICS DATA
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	USW-1 (0.-0.5')	USW-1 (0.5-1.0')	SE-1*[5] (0.-2.0')	SE-D* (0.-2.0')	SE-2* (0.-2.0')	USW-2 (0.-0.5')	USW-2 (0.5-1.0')	USW-4 (0.-0.5')	USW-4 (0.5-1.0')	USW-8 (0.-0.5')	USW-8 (0.5-1.0')	USW-10 (0.-0.5')	USW-10 (0.5-1.0')
Total HxCDF	NA	NA	0.00014	0.0001	0.0012	NA	NA	NA	NA	NA	NA	NA	NA
Total HpCDF	NA	NA	ND	ND	0.0011	NA	NA	NA	NA	NA	NA	NA	NA
Total OCDF	NA	NA	ND	ND	0.0011	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

[1]Samples were collected by Blasland & Bouck Engineers, P.C. on September 12, 1991.
[2]All samples were submitted to CompuChem Laboratories, Research Triangle Park, North Carolina, for analysis of Appendix IX+3 volatiles, semivolatiles, phenols, and metals unless otherwise stated. See Table 6-6 for summary of Appendix IX+3 metals data.
[3]All samples were submitted to IT Analytical Services, Knoxville, Tennessee for PCB analyses.
[4]Location description:
USW-1 - upstream of interior landfill
SE-1 - interior landfill
SE-D - interior landfill (duplicate of location SE-1)
SE-2 - interior landfill
USW-2 - downstream of interior landfill
USW-4 - Just below railroad crossing
USW-8 - downstream of railroad crossing
USW-10 - Just upstream of Housatonic River confluence
[5]* - Samples were submitted to Compuchem Laboratories for analysis of the full list of Appendix IX+3 constituents, except for PCBs.
[6]B - Sample was also detected in the associated method blank.
[7]J - Indicates an estimated value.
[8]ND - Not detected.
[9]NA - Not analyzed.
[10]E - Estimated due to interferences.

TABLE 6-6
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SEDIMENT APPENDIX IX+3 INORGANICS DATA[1]
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	USW-1[4] (0.-0.5')	USW-1 (0.5-1.0')	SE-1**[5] (0-2.0')	SE-D** (0.-2.0')	SE-2** (0.-2.0')	USW-2 (0.-0.5')	USW-2 (0.5-1.0')	USW-4 (0.-0.5')	USW-4 (0.5-1.0')	USW-8 (0.-0.5')	USW-8 (0.5-1.0')	USW-10 (0.-0.5')	USW-10 (0.5-1.0')
Aluminum	5,680	5,000	6,720	4,230	4,950	4,450	5,070	4,890	14,600	5,460	6,470	6,210	2,730
Antimony	6.9J*[6]	ND[7]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	20.3	21.4	8.0	5.3	21.7	3.1	6.6	3.8	2.7	2.4	3.2	3.5	3.1
Barium	155	129	69.0	33.0	186	30.4	57.4	45.5	81.9	20.5J*	27.7J*	30.8J*	9.8J*
Beryllium	0.70J*	0.80	0.35J*	0.22J*	0.51J*	0.18J*	0.31J*	0.26J*	0.53J*	0.20J*	0.28J*	0.28J*	0.17J*
Cadmium	1.5	0.91	0.79	ND	0.90	1.0	0.58J*	ND	ND	ND	ND	ND	ND
Calcium	11,700	10,000	32,100	34,100	33,800	26,400	28,400	22,500	3,010	3,540	3,000	10,200	718
Chromium	67.2	24.2	25.3	14.4	14.1	19.7	31.4	36.8	23.1	31.5	18.7	45.4	5.1
Cobalt	8.7J*	5.9	7.9	6.2J*	7.2J*	5.3J*	5.6J*	5.9J*	10.3	4.9J*	33.6	7.0J*	3.2J*
Copper	137	108	49.8	30.1	280	28.7	76.3	59.1	18.7	22.6	30.3	45.5	4.5
Iron	28,300	16,500	22,900	15,800	18,800	15,600	19,100	21,200	18,000	13,900	15,800	14,000	9,940
Lead	577	204	150	99.6	116	160	258	76.8	11.0	29.0	5.3	41.9	2.3
Magnesium	9,170	4,460	17,900	13,200	13,000	15,000	12,300	6,950	6,160	3,560	3,190	6,580	1,010
Manganese	594	317	1,020	486	265	256	337	183	180	159	162	197	113
Mercury	9.3	4.8	1.7	1.0	8.7	1.4	5.2	0.21	ND	ND	ND	1.4	ND
Nickel	32.7	42.5	19.6	13.5	21.8	15.5	16.4	15.9	21.0	11.7	45.9	14.4	4.5J*
Potassium	311J*	489J*	533J*	303J*	416J*	434J*	369J*	237J*	914	368J*	421J*	524J*	216J*
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88	ND
Silver	9.1	ND	ND	ND	ND	ND	ND	4.7	ND	2.2	ND	8.3	ND
Sodium	161J*	146J*	126J*	87.0J*	245J*	114J*	188J*	99.6J*	154J*	128J*	109J*	145J*	86.9J*
Vanadium	47.0	43.3	19.7	12.0	23.5	10.2	33.1	17.6	21.9	15.4	14.4	15.9	5.8
Zinc	305	344	293	147	157	160	260	99.7	95.6	67.9	48.8	106	24.1
Sulfide	NA[8]	NA	17.2	20.9	37.6	NA	NA	NA	NA	NA	NA	NA	NA

(See notes on page 2)

TABLE 6-6
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SEDIMENT APPENDIX IX+3 INORGANICS DATA
(Concentrations are presented in dry weight ppm)

Notes:

[1]Samples were collected by Blasland & Bouck Engineers, P.C. on September 12, 1991.
[2]All samples were submitted to CompuChem Laboratories, Research Triangle Park, North Carolina for analysis of Appendix IX+3 volatiles, semi-volatiles, phenols, and metals, unless otherwise stated. See Table 6-5 for summary of Appendix IX+3 organics data.
[3]All samples were submitted to IT Analytical Services, Knoxville, Tennessee for PCB analyses.
[4]Location description:
USW-1 - upstream of interior landfill
SE-1 - interior landfill
SE-D - interior landfill (duplicate of location SE-1)
SE-2 - interior landfill
USW-2 - downstream of interior landfill
USW-4 - Just below railroad crossing
USW-8 - downstream of railroad crossing
USW-10 - Just upstream of Housatonic River confluence
[5]** - Samples were submitted to CompuChem Laboratories for analysis of the full list of Appendix IX+3 constituents, except for PCBs.
[6]J* - Analyte was detected at a level between the quantitation limit and the instrument detection limit.
[7]ND - Not detected.
[8]NA - Not analyzed.

TABLE 6-7

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF HOUSATONIC RIVER MCP SEDIMENT
SAMPLING IN RELATION TO UNKAMET BROOK[1,2]
(concentrations reported in dry weight ppm)

	Upstream of Unkamet Brook Confluence	Downstream of Unkamet Brook Confluence	
Parameter[3]	HCSE-8 (0-1.7')	HCSE-7 (0-1.6')	HCSE-7A (0-1.6')
Acetone	ND[4]	0.02	0.49
Barium	14.6	18.8	21.7
Beryllium	0.1	0.1	0.1
Chromium	6.0	7.0	7.0
Cobalt	5.0	4.0	4.0
Copper	10.0	12.0	15.0
Lead	11.0	13.0	14.0
Nickel	7.0	6.0	6.0
Tin	4.0	3.0	ND
Vanadium	5.0	5.0	5.0
Zinc	30.3	32.7	38.6
Sulfide	93.0	350	100

Notes:

[1]Samples were collected by Blasland & Bouck Engineers, P.C., on November 15, 1990.
[2]Samples were submitted to IT Analytical Services, Knoxville, Tennessee, for Appendix IX+3 analysis.
[3]Only those parameters which were detected are summarized.
[4]ND = not detected.

TABLE 7-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF HEADSPACE PID SCREENING RESULTS

Floodplain Soils

Sample Location	Date	HNU Reading Sample A (PID units)	HNU Reading Sample B (PID units)	Average HNU Reading (PID units)
UFP1-L1	4/9/91	12	12	12
UFP1-L2	4/9/91	16	15	15.5
UFP1-L3	4/9/91	14	15	14.5
UFP1-L4	4/9/91	14	15	14.5
UFP1-L5	4/9/91	15	15	15
UFP1-R1	4/10/91	10.8	10.2	10.5
UFP1-R2	4/10/91	10.8	8.6	9.7
UFP1-R3	4/10/91	6.2	5.0	5.6
UFP1-R4	4/10/91	5.6	6.6	6.1
UFP1-R5	4/10/91	8.2	9.2	8.7
UFP1-R6	4/10/91	7.0	6.4	6.7
UFP2-L1	4/10/91	12.8	11.6	12.2
UFP2-L2	4/10/91	11.6	10.4	11
UFP2-L3	4/10/91	12.0	11.2	11.6
UFP2-L4	4/10/91	12.0	11.8	11.9
UFP2-L5	4/10/91	11.4	11.2	11.3
UFP2-R1	4/10/91	15.4	11.4	13.4
UFP2-R2	4/10/91	11.6	12.0	11.8
UFP2-R3	4/10/91	10.8	8.8	9.8
UFP2-R4	4/10/91	9.2	9.6	9.4
UFP2-R5	4/10/91	9.6	10.0	9.8
UFP2-R6	4/10/91	7.8	8.8	8.3
UFP2-R7	4/10/91	14.6	10.0	12.3
UFP2-R8	4/10/91	7.6	9.0	8.3
UFP2-R9	4/10/91	3.2	3.8	3.5
UFP2-R10	4/10/91	6.4	6.2	6.3
UFP3-R1	4/11/91	12	13	12.5
UFP3-R2	4/11/91	12	12	12
UFP3-R3	4/11/91	10.4	11.2	10.8
UFP3-R4	4/11/91	17.2	15.5	16.35
UFP3-R5	4/11/91	10.5	11.2	10.85
UFP3-R6	4/11/91	14	12.5	13.25
UFP3-R7	4/11/91	10.5	11	10.75
UFP3-R8	4/11/91	8	8.8	8.4
UFP3-R9	4/11/91	6	5.5	5.75
UFP3-R10	4/11/91	10.5	9.2	9.85
UFP3-R11	4/11/91	11	11.8	11.4
UFP3-L1	4/11/91	10.2	9.0	9.6

TABLE 7-1
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF HEADSPACE PID SCREENING RESULTS

Surficial Soil near Building OP-3

Sample Location	Date	HNU Reading Sample A (PID units)	HNU Reading Sample B (PID units)	Average HNU Reading (PID units)
UOP3 S-1	4/8/91	11	11	11
UOP3 S-2	4/8/91	2	3	2.5
UOP3 S-3	4/8/91	8	8	8
UOP3 S-4	4/8/91	4	6	5
UOP3 S-5	4/8/91	6	5	5.5
UOP3 S-6	4/8/91	2	2	2
UOP3 S-7	4/8/91	11	11	11
UOP3 S-8	4/8/91	4	8	6
UOP3 S-9	4/8/91	2	7	4.5
UOP3 S-10	4/8/91	0.5	0.5	0.5
UOP3 S-11	4/8/91	1.5	1.75	1.63
UOP3 S-12	4/8/91	3	3.5	3.25
UOP3 S-13	4/8/91	9.5	13	11.25
UOP3 S-14	4/8/91	14	13	13.5
UOP3 S-15	4/9/91	20	22	21
UOP3 S-16	4/9/91	17	17	17
UOP3 S-17	4/9/91	18	17	17.5
UOP3 S-18	4/9/91	18	19	18.5
UOP3 S-19	4/9/91	18	20	19
UOP3 S-20	4/9/91	19	19	19

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Floodplain Soils

Sample Identification[2]	Sample Location[3]	Sample Depth (inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
*UFP1-L1	Top of Bank	0-12	0-6" Dark brown silt, trace of fine sand 6-12" Moist dark brown silt with some black coarse sand	28
*UFP1-L2	36' from top of left bank	0-12	0-6" Moist dark brown silt with trace of fine sand, some roots 6-12" Moist dark silt with trace of fine sand	2.5
*UFP1-L3	78' from top of left bank	0-12	0-6" Light brown sand with rounded cobbles 6-12" Light brown sand with rounded cobbles	0.14
*UFP1-L4	200' from top of left bank	0-12	0-6" Light brown sand with small rounded stones 6-12" Light brown sand with small rounded stones	0.42
*UFP1-L5	346' from top of left bank	0-12	0-6" Brown silt with sand on top of brown sand with trace of silt and cobbles	0.51
*UFP-R1	Top of right bank	0-12	0-6" Moist brown silt with trace of fine sand 6-12" Moist brown silt with trace of fine sand	52

(See notes on page 10)

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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Floodplain Soils (cont'd.)

Sample Identification[2]	Sample Location[3]	Sample Depth (Inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
UFP1-R2	24' from top of right bank	0-12	0-6" Moist dark brown silt with trace of fine sand 6-12" moist brown silt with fine sand, light brown silt at bottom with trace of fine sand	0.88
UFP1-R3	65' from top of right bank	0-12	0-6" Moist dark brown silt 6-12" Moist brown silt with light brown silt at bottom	0.31
UFP1-R4	112' from top of right bank	0-12	0-6" Dark brown moist silt 6-12" Brown moist silt, light brown silt at bottom	0.17
UFP1-R5	161' from top of right bank	0-12	0-6" Moist dark brown silt, trace of fine sand 6-12" Moist brown silt, light brown silt at bottom with trace of fine sand	0.13
UFP1-R6	209' from top of right bank	0-12	0-6" Moist dark brown silt with trace of fine sand 6-12" Brown silt with light brown silt and sand	0.13
*UFP2-L1	Top of left bank	0-12	0-6" Moist brown silt with trace of fine sand 6-12" Moist brown silt with trace of fine sand	43
*UFP2-L2	13' from top	0-12	0-6" Dark brown silt with fine sand 6-12" Dark brown silt with fine sand	150

(See notes on page 10)

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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Floodplain Soils (cont'd.)

Sample Identification[2]	Sample Location[3]	Sample Depth (Inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
*UFP2-L3	22' from top of left bank	0-12	0-6" Dark brown sandy silt with some gravel 6-12" Dark brown sandy silt with some gravel	190
*UFP2-L4	120' from top of left bank	0-12	0-6" Dark brown sandy silt with some gravel 6-12" Dark brown fine sandy silt with some gravel on top of light brown fine sand	46
*UFP2-L5	170' from top of left bank	0-12	0-6" Dark brown fine sandy silt with gravel 6-12" Dark brown fine sandy silt with gravel	1.1
*UFP2-R1	Top of right bank	0-12	0-6" Moist brown silt with trace of fine sand and roots 6-12" Moist brown silt with trace of fine sand and black stained soil modules with strong organic odor	41
*UFP2-R2	43' from top of right bank	0-12	0-6" Moist brown silt with trace of fine sand 6-12" Very moist brown silt, ground water at 12"	19
UFP2-R3	92' from top of right bank	0-12	0-6" Dark brown silt with trace of fine sand 6-12" Moist light brown to brown silt with trace of fine sand, ground water at 12"	5.7
UFP2-R4	187' from top of right bank	0-12	0-6" Brown peat on top of brown silt with fine sand 6-12" Brown silt with trace of fine sand	0.25 (0.23)[5]

(See notes on page 10)

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SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Floodplain Soils (cont'd.)

Sample Identification[2]	Sample Location[3]	Sample Depth (Inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
UFP2-R5	219' from top of right bank	0-12	0-6" Dark brown silt with trace of fine sand 6-12" Brown silt with trace of fine sand on top of light brown silt	0.19
UFP2-R6	328' from top of right bank	0-12	0-6" Brown silt with trace of fine sand with organic matter 6-12" Moist brown silt with trace of fine sand	0.17
*UFP2-R7	426' from top of right bank	0-12	0-6" Moist brown silt with trace of fine sand on top of light brown silt with trace of sand 6-12" Light brown silt with trace of fine sand	1.1
UFP2-R8	506' from top of right bank	0-12	0-6" Moist brown silt with trace of fine sand 6-12" Light brown silt with trace of fine sand	0.05
UFP2-R9	537' from top of right bank	0-12	0-6" Submerged vegetation and mucky brown silt 6-12" Moist mucky brown silt	0.19
UFP2-R10	650' from top of right bank	0-12	0-6" Moist brown silt with trace of fine sand 6-12" Moist brown silt with trace of fine sand	0.10

(See notes on page 10)

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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Floodplain Soils (cont'd.)

Sample Identification[2]	Sample Location[3]	Sample Depth (Inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
*UFP3-R1	Top of right bank	0-12	0-6" Brown sand with some silt and small rocks 6-12" Dark brown to black fine sand with some silt and small rocks	650
*UFP3-R2	45' from top of right bank	0-12	0-6" Brown silt with fine sand on top of dark brown to black fine sand with trace of silt	12
*UFP3-R3	138' from top of right bank	0-12	0-6" Brown fine sandy silt on tope of light brown fine sand 6-12" Brown fine sand with dark brown to black fine sand marbled, some small rocks 6-12" Dark brown to black fine sand with trace of silt	47
*UFP3-R4	152' from top right bank, edge of swamp	0-12	0-6" Moist black silt with fine sand and dead vegetation with strong organic odor 6-12" Moist black silt with fine sand and dead vegetation	91
*UFP3-R5	274' from top of right bank, swamp	0-12	0-6" Moist dark brown to black organics, dead vegetation, some brown silt with fine sand 6-12" Dark brown to black silt with fine sand, some organics	3.0

(See notes on page 10)

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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Floodplain Soils (cont'd.)

Sample Identification[2]	Sample Location[3]	Sample Depth (Inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
*UFP3-R6	382' from top of right bank, bog area	0-12	0-6" Brown silt with fine sand and dead vegetation, ground water at 6" 6-12" Brown silty clay with fine sand, and trace of dead vegetation	0.26
*UFP3-R7	480' from top of right bank, bog area	0-12	0-6" Brown silt with fine sand, trace of clay and dead organics, ground water at 6" 6-12" Moist gray brown clay with fine sand	0.24
UFP3-R8	580' from top of right bank, bog	0-12	0-6" Brown silt with fine sand, roots, ground water at 6" 6-12" Brown silt with clay and fine sand on top of gray clay and fine sand	ND (0.05)[6]
UFP3-R9	677' from top of right bank, bog	0-12	0-6" Brown to gray silt with fine sand and trace of clay, ground water at 6" 6-12" Gray and light brown clay with fine sand	0.09
UFP3-R10	807' from top of right bank, edge of swamp	0-12	0-6" Moist brown silt with fine sand 6-12" Moist brown silt with fine sand and trace of clay	0.09

(See notes on page 10)

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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Floodplain Soils (cont'd.)

Sample Identification[2]	Sample Location[3]	Sample Depth (Inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
UFP3-R11	844' from top of right bank	0-12	0-6" Brown fine sandy silt with small rocks 6-12" Light brown fine sandy silt with small rocks	ND (0.05)[6]
*UFP3-L1	top of left bank	0-12	0-6" Brown fine sand, rounded rocks 6-12" Brown fine sand and dark brown to black fine sand with rounded cobbles	110 (120)[5]
Surficial Soils				
*UOP3 S-1	Near building OP-3	0-12	0-6" soft silt with trace of sand 6-12" gray sandy clay with brown silt on top	14.3
UOP3 S-2	Near building OP-3	0-12	0-6" mucky brown silt with plant material 6-12" stiff gray clay with sand	0.42
UOP3 S-3	Near building OP-3	0-12	0-6" dark brown sandy silt 6-12" dark brown sandy silt	0.25
UOP3 S-4	Near building OP-3	0-12	0-6" brown silt with sand and trace of clay, roots 6-12" light brown sandy silt with clay	0.14

(See notes on page 10)

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MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Surficial Soils

Sample Identification[2]	Sample Location[3]	Sample Depth (Inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
UOP3 S-5	Near building OP-3	0-12	0-6" brown silt with sand and roots 6-12" light brown sandy clay and silt	0.23
UOP3 S-6	Near building OP-3	0-12	0-6" moist brown silt with sand and roots 6-12" moist brown silt with sand and roots	0.38
*UOP3 S-7	Near building OP-3	0-12	0-6" moss, plant material, brown silt and sand on top of brown sand and gravel 6-12" brown sand and gravel	0.44
UOP3 S-8	Near building OP-3	0-12	0-6" moist brown silty sand 6-12" moist brown silty sand, trace of gray brown clay	0.07
UOP3 S-9	Near building OP-3	0-12	0-6" moist brown silt with fine sand and roots 6-12" light brown fine sandy clay	0.13
UOP3 S-10	Near building OP-3	0-12	0-6" brown silt with fine sand and roots 6-12" moist brown silt with trace of fine sand and plant material	6.1

(See notes on page 10)

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MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Surficial Soils (cont'd.)

Sample Identification[2]	Sample Location[3]	Sample Depth (Inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
UOP3 S-11	Near building OP-3	0-12	0-6" moist brown silt with trace of fine sand, clay, and plant material 6-12" light brown silt with trace of fine sand and clay	0.24
UOP3 S-12	Near building OP-3	0-12	0-6" brown silt with plant material 6-12" light brown to gray silt with trace of sand	0.29
*UOP3 S-13	Near building OP-3	0-12	0-6" light gray brown sandy silt with roots 6-12" light gray brown sandy silt with roots	1.5
*UOP3 S-14	Near building OP-3	0-12	0-6" brown silt with fine sand 6-12" tan and gray sand with gravel, road material	0.96
*UOP3 S-15	Near building OP-3	0-12	0-6" moist dark brown silt with fine sand and roots 6-12" moist bark brown silt on top of gray clay with fine sand	0.19
*UOP3 S-16	Near building OP-3	0-12	0-6" moist bark brown silt with fine sand and roots, ground water at 6" 6-12" moist light brown silt with fine sand and roots	0.22

(See notes on page 10)

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MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SUMMARY OF FLOODPLAIN AND SURFICIAL SOIL PCB DATA[1]

Surficial Soils (cont'd.)

Sample Identification[2]	Sample Location[3]	Sample Depth (Inches)	Sample Description	PCB Conc. (dry weight, ppm)[4]
*UOP3 S-17	Near building OP-3	0-12	0-6" sandy silt with some roots and small gravel 6-12" light brown to brown sand with trace of silt	2.9
*UOP3 S-18	Near building OP-3	0-12	0-6" moist brown silt with fine sand and plant material 6-12" light brown silt with sand	0.15 (0.29)[5]
*UOP3 S-19	Near building OP-3	0-12	0-6" brown sandy silt with small stones and plant material 6-12" light brown sand with stones	1.3
*UOP3 S-20	Near building OP-3	0-12	0-6" dark brown sand with silt and plant material 6-12" light brown sand with silt and stones on top of gray fine sand on top of light brown sand with silt and stones	1.4

Notes:

[1]Samples were collected during April 10-11, 1991, by Blasland & Bouck Engineers, P.C.
[2]* = Samples contained PID head space readings greater than 10 ppm and were subjected to Appendix IX+3 volatiles and semi-volatiles analyses.
[3]All brook banks are referenced right or left facing upstream.
[4]One sample was collected per location from 0 to 12 inches below the surface and submitted to IT Analytical Services for PCB analysis.
[5]0.25 (0.23) = Duplicate analyses were performed.
[6]ND(0.05) = Not detected (detection limit).

TABLE 7-3

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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SURFICIAL SOILS APPENDIX IX+3 DATA[1]
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	UOP3S-1	UOP3S-7	UOP3S-13	UOP3S-14	UOP3S-15[4]	UOP3S-16	UOP3S-17	UOP3S-18	UOP3S-19	UOP3S-20[4]
Methylene Chloride	0.026B[5]	0.042B	0.087B	0.045B	0.098B	0.068B	0.030B	0.040B	0.130B	0.040B
Acetone	0.014B	0.018B	0.040B	0.025B	0.048B	0.040B	0.013B	0.023B	0.079B	0.020B
Chloroform	ND[6]	0.001J[7]	ND	ND	0.002J	ND	ND	0.001J	ND	ND
Naphthalene	ND	ND	1.2	ND	ND	ND	0.057J	ND	ND	ND
2-Methylnaphthalene	ND	ND	0.320J	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	ND	ND	0.400J	ND	ND	ND	0.058J	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.073J
Acenaphthene	ND	ND	1.7	0.080	ND	ND	0.380	ND	ND	ND
Dibenzofuran	ND	ND	0.920	ND	ND	ND	0.130J	ND	ND	ND
Fluorene	ND	ND	1.4	0.067J	ND	ND	0.270J	ND	ND	0.042J
Phenanthrene	0.075J	ND	7.1	0.870	0.220J	0.320J	3.9	0.160J	0.660J	0.340J
Anthracene	ND	ND	2.5	0.180J	ND	ND	0.770	ND	0.130J	0.062J
Fluoranthene	0.120J	0.063J	7.1	1.3	0.420J	0.650J	6.4R[8]	0.250J	1.2	0.530J
Pyrene	0.100J	0.060J	4.9	0.800	0.340J	0.560J	3.4	0.220J	0.940	0.500
Benzo(a)Anthracene	0.055J	ND	3.4	0.490	ND	0.330J	2.0	0.130J	0.480J	0.340J
Chrysene	0.057J	ND	2.9	0.460	0.210J	0.380J	1.9	0.140J	0.520J	0.330J
bis(2-Ethylhexyl)Phthalate	ND	0.110J	0.130J	ND	ND	ND	ND	ND	ND	ND
Benzo(b)Fluoranthene	0.089JX[9]	0.063JX	4.7X	0.820X	0.340JX	0.630JX	3.9X	0.230J	0.950X	0.460
Benzo(k)Fluoranthene	0.089JX	0.063JX	4.7X	0.820X	0.340JX	0.630JX	3.9X	0.230J	0.950X	0.620
Benzo(a)Pyrene	0.041J	ND	2.5	0.440	ND	0.330J	2.1	0.130J	0.470J	0.320J
Indeno(1,2,3-cd)Pyrene	ND	ND	1.0	0.200J	0.069J	ND	1.2	0.059J	ND	0.180J
Dibenz(a,h)Anthracene	ND	ND	0.330J	0.045J	ND	ND	0.330J	ND	ND	ND
Benzo(g,h,i)Perylene	ND	ND	0.850	0.180J	ND	ND	1.2	0.061J	ND	0.190J
4,4'-DDD	NA[10]	NA	NA	NA	0.006	NA	NA	NA	NA	ND
Aldrin	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.0042
Endosulfan I	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.0022
PCB-1260	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.330

(See notes on page 3)

TABLE 7-3
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SURFICIAL SOILS APPENDIX IX+3 DATA[1]
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	UOP3S-1	UOP3S-7	UOP3S-13	UOP3S-14	UOP3S-15[4]	UOP3S-16	UOP3S-17	UOP3S-18	UOP3S-19	UOP3S-20[4]
Total TCDD	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND
Total PeCDD	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND
Total HxCDD	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.00013
Total HpCDD	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.00014
Total OCDD	NA	NA	NA	NA	0.00078	NA	NA	NA	NA	0.00027
Total TCDF	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.000054
Total PeCDF	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.00031
Total HxCDF	NA	NA	NA	NA	0.00013	NA	NA	NA	NA	0.00018
Total HpCDF	NA	NA	NA	NA	0.00036	NA	NA	NA	NA	ND
Total OCDF	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND
Aluminum	NA	NA	NA	NA	15,800	NA	NA	NA	NA	10,600
Arsenic	NA	NA	NA	NA	3.9N[11]	NA	NA	NA	NA	7.9A[12]
Barium	NA	NA	NA	NA	87.3	NA	NA	NA	NA	55.2
Beryllium	NA	NA	NA	NA	0.64B*[13]	NA	NA	NA	NA	0.46B
Calcium	NA	NA	NA	NA	3,320**[14]	NA	NA	NA	NA	19,500*
Chromium	NA	NA	NA	NA	26.6	NA	NA	NA	NA	15.2
Cobalt	NA	NA	NA	NA	11.5B	NA	NA	NA	NA	19.2
Copper	NA	NA	NA	NA	24.1	NA	NA	NA	NA	21.1
Iron	NA	NA	NA	NA	24,000	NA	NA	NA	NA	24,900
Lead	NA	NA	NA	NA	34.6**	NA	NA	NA	NA	36.8**
Magnesium	NA	NA	NA	NA	6,320	NA	NA	NA	NA	11,800
Manganese	NA	NA	NA	NA	536	NA	NA	NA	NA	656
Nickel	NA	NA	NA	NA	22.7	NA	NA	NA	NA	21.9
Potassium	NA	NA	NA	NA	1,440B*	NA	NA	NA	NA	909B*
Sodium	NA	NA	NA	NA	296B*	NA	NA	NA	NA	202B*
Vanadium	NA	NA	NA	NA	23.4	NA	NA	NA	NA	17.1
Zinc	NA	NA	NA	NA	97.1	NA	NA	NA	NA	84.0
Sulfides	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND

(See notes on page 3)

TABLE 7-3
(Cont'd.)
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PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF SURFICIAL SOILS APPENDIX IX+3 DATA[1]
(Concentrations are presented in dry-weight ppm)

Notes:

[1]Samples were collected near Building OP-3 by Blasland & Bouck Engineers, P.C., during 4/9/91-4/11/91.
[2]All samples were submitted to IT Analytical Services for PCB analysis (see Table 7-2), and those samples which exhibited PID readings greater than 10 PID units were submitted to CompuChem Laboratories (CCL) for Appendix IX+3 volatile and semi-volatile analyses.
[3]Only those parameters which were detected are summarized.
[4]( ) = Samples were submitted to CCL for analysis of all Appendix IX+3 constituents.
[5]B = Analyte was also detected in the associated method blank.
[6]ND = Not detected.
[7]J = Indicates an estimated value.
[8]R = Compound exceeded instrument calibration range.
[9]X = Indicates coeluting isomers.
[10]NA = Not analyzed.
[11]N = Matrix-related interference in the sample preparation procedure and/or analysis for the flagged analyte.
[12]A= Indicates Method of Standard Addition (MSA) required to correct for specific matrix-related interference in sample.
[13]B* = Analyte was detected at a level between the quantitation limit and instrument detection limit.
[14]** = Indicates a non-homogeneous sample matrix in regard to the flagged analyte.

TABLE 7-4

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MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN SOILS APPENDIX IX+3 VOCs and SVOCs DATA[1]
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	UFP1-L1	UFP1-L2	UFP1-L3	UFP1-L4	UFP1-L5	UFP1-R1	UFP2-L1	UFP2-L2	UFP2-L3	DUFPC-1 (UFP2-L3)	UFP2-L4	UFP2-L5
Chloroethane	ND[4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	0.052B[5]	0.054B	0.051B	0.048B	0.047B	0.740BJ[6]	0.046B	0.051B	0.023B	0.041B	0.025B	0.061B
Acetone	0.052B	0.038B	0.037	0.052	0.025	ND	0.045	0.023B	0.016	0.024B	0.011J	0.019B
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.002J	ND	0.001J	0.001J	ND	ND	0.002J	ND	0.001J	ND	ND	0.002J
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	0.003J	ND	ND	ND	0.004J
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001J	0.002J
Chlorobenzene	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	0.002J	ND	ND	ND	ND	ND
Phenol	0.140J	ND	ND	0.390	ND	0.280J	0.230J	ND	0.049J	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	0.077J	ND	ND	ND	ND	0.160J	ND
1,4-Dichlorobenzene	0.350J	0.250J	ND	ND	ND	0.270J	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.068J	0.072J	ND	ND	ND	0.260J	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol	0.110JX[7]	ND	ND	ND	ND	ND	ND	ND	0.059JX	ND	ND	ND
4-Methylphenol	0.110JX	ND	ND	ND	ND	ND	ND	ND	0.059JX	ND	ND	ND
o-Toluidine hydrochloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	110J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	0.140J	ND	ND	ND	0.042J	ND	ND	0.180J	0.120J	ND	ND
Naphthalene	0.130J	ND	ND	ND	ND	0.61J	ND	ND	0.760	0.150J	0.260J	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(See notes on page 5)

TABLE 7-4
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN SOILS APPENDIX IX+3 VOCs and SVOCs DATA[1]
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	UFP1-L1	UFP1-L2	UFP1-L3	UFP1-L4	UFP1-L5	UFP1-R1	UFP2-L1	UFP2-L2	UFP2-L3	DUFPC-1 (UFP2-L3)	UFP2-L4	UFP2-L5
2-Methylnaphthalene	0.077J	ND	ND	ND	ND	ND	ND	ND	0.500	0.130J	0.170J	ND
1-Methylnaphthalene	0.120J	ND	ND	ND	ND	0.064J	0.180J	ND	0.860	0.200J	0.220J	0.190J
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4-Tetrachlorobenzene	ND	ND	ND	ND	ND	0.072J	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.180J	0.170J	ND	ND	0.320J	0.160J	0.260J	5.9	1.0	ND	0.590J	0.460J
Acenaphthene	0.100J	ND	ND	ND	0.083J	0.073J	0.180J	ND	0.320J	0.200J	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.095J	ND	ND	ND	0.055J	0.053J	ND	ND	0.850	0.091J	0.180J	ND
Pentachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	0.120J	ND	ND	ND	0.190J	0.130J	0.260J	1.1J	1.5	ND	0.220J	0.230J
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1.4	0.530J	0.042J	ND	0.130J	1.3	2.7	5.2J	4.7	0.900	1.5J	2.3
Anthracene	0.270J	0.160J	ND	ND	1.6	0.190J	0.490J	5.4	0.890	0.210J	0.670J	0.620J
Di-n-Butylphthalate	0.086J	0.079J	ND	ND	ND	0.068J	0.180J	ND	ND	ND	0.210J	ND
Fluoranthene	2.9	1.1	0.075J	0.077J	2.7	1.9	4.0	45.0	4.7	1.5	4.2	4.2
Pyrene	2.8	1.0	0.061J	0.070J	2.3	2.0	4.5	37.0	3.9	1.4	4.2	3.4
Butylbenzylphthalate	0.320J	ND	ND	ND	ND	0.150J	0.660J	ND	ND	ND	ND	ND
Benzo(a)Anthracene	1.2	0.600J	0.041J	0.048J	1.7	1.1	2.4	29.0	3.1	0.800J	3.0	1.9J
Chrysene	1.7	0.800	0.043J	0.060J	1.7	1.4	3.1	28.0	2.8	1.2	3.4	2.4
bis(2-Ethylhexyl)Phthalate	0.310J	0.092J	ND	ND	ND	0.270J	0.690J	0.560J	0.054J	ND	0.800J	ND

(See notes on page 5)

TABLE 7-4
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN SOILS APPENDIX IX+3 VOCs and SVOCs DATA[1]
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	UFP1-L1	UFP1-L2	UFP1-L3	UFP1-L4	UFP1-L5	UFP1-R1	UFP2-L1	UFP2-L2	UFP2-L3	DUFPC-1 (UFP2-L3)	UFP2-L4	UFP2-L5
Benzo(b)Fluoranthene	3.2X	1.3X	0.040J	0.100JX	0.890	1.0	4.5X	24.0	4.0	0.660J	2.7	1.8J
Benzo(k)Fluoranthene	3.2X	1.3X	0.038J	0.100JX	1.8	1.4	4.5X	17.0	2.1	1.3	3.4	2.2
Benzo(a)Pyrene	1.4	0.150J	0.040J	0.057J	1.2	1.1	2.0	13.0	2.0	ND	2.4	1.3J
Indeno(1,2,3-cd)Pyrene	0.800	0.530J	ND	ND	0.680	ND	1.2	8.6	1.1	0.400J	2.3	0.930J
Dibenz(a,h)Anthracene	0.270J	0.180J	ND	ND	0.160J	0.340J	0.510J	5.5	0.560	0.190J	1.1J	0.530J
Benzo(g,h,i)Perylene	0.920	0.310J	ND	ND	0.750	0.880	1.3	8.2	1.1	0.430J	1.7	0.930J

Parameter[2,3]	UFP2-R1	UFP2-R2	UFP2-R7	UFP3-R1	DUFPC-2 (UFP3-R1)	UFP3-R2	UFP3-R3	UFP3-R4	UFP3-R5	UFP3-R6	UFP3-R7	UFP3-R11
Chloroethane	ND	ND	ND	ND	ND	ND	ND	3.7BJ	ND	ND	ND	ND
Methylene Chloride	0.073B	0.065B	0.024B	0.031B	0.013B	0.042B	0.025B	ND	0.059B	0.053B	0.084B	0.022B
Acetone	0.040B	ND	0.024	0.038B	0.024B	0.067B	0.029B	ND	0.210B	0.051B	0.028B	0.020B
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	11.0	ND	ND	ND	ND
Chloroform	ND	ND	0.002J	ND	ND	ND	ND	ND	ND	0.003J	0.004J	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	76.0	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	0.002J	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.490J	ND	ND	2.6	7.6	0.540J	5.5	7.7	0.620J	0.580J	0.350J	ND
Aniline	ND	ND	ND	1.6	2.6	0.410J	9.5R[4]	10.0	0.180J	ND	ND	ND
1,4-Dichlorobenzene	0.110J	0.160J	ND	0.072J	0.120J	ND	0.074J	ND	ND	ND	ND	ND
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.044J
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	0.083J	0.140J	ND	0.780	0.650J	ND	ND	ND	ND

(See notes on page 5)

TABLE 7-4
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN SOILS APPENDIX IX+3 VOCs and SVOCs DATA[1]
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	UFP2-R1	UFP2-R2	UFP2-R7	UFP3-R1	DUFPC-2 (UFP3-R1)	UFP3-R2	UFP3-R3	UFP3-R4	UFP3-R5	UFP3-R6	UFP3-R7	UFP3-R11
3-Methylphenol	ND	ND	ND	0.074JX	0.120JX	ND	0.150JX	1.9X	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	0.074JX	0.120JX	ND	0.150JX	1.9X	ND	ND	ND	ND
o-Toluidine hydrochloride	ND	ND	ND	ND	ND	ND	0.100J	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	0.082J	0.140J	ND	ND	ND	ND
Benzoic Acid	2.7J	ND	ND	ND	ND	0.540J	ND	1.1J	ND	ND	ND	0.690J
1,2,4-Trichlorobenzene	ND	ND	ND	0.940	1.7	0.140J	0.210J	0.470J	ND	ND	ND	ND
Naphthalene	0.100J	ND	ND	ND	ND	ND	0.074J	0.440J	0.120J	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	0.250J	ND	ND	0.057J	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	0.160J	ND	ND	ND	ND	ND	ND	0.110J	0.140J	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	0.360JX	0.650JX	ND	ND	0.110JX	ND	ND	ND	ND
1,2,3,5-Tetrachlorobenzene	ND	ND	ND	0.360JX	0.650JX	ND	ND	0.110JX	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	0.062J	0.120J	ND	ND	ND	ND
1-Chloronaphthalene	ND	ND	ND	ND	ND	ND	0.320J	1.7	ND	ND	ND	ND
1,2,3,4-Tetrachlorobenzene	ND	ND	ND	2.5	4.9	0.200J	0.390J	0.490J	ND	ND	ND	ND
Acenaphthylene	0.340J	0.120J	ND	ND	ND	ND	ND	0.340J	0.870J	ND	ND	0.060J
Acenaphthene	0.240J	ND	ND	ND	ND	ND	0.067J	0.140J	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	0.110J	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.150J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	ND	ND	ND	0.920	1.9	ND	0.110J	0.190J	ND	ND	ND	ND
Fluorene	0.290J	ND	ND	0.042J	ND	ND	0.051J	0.180J	0.440J	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	0.046J	ND	ND	0.430	1.0X	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	0.046J	ND	ND	0.430	1.0X	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	0.140J	0.270J	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	2.4	0.560J	0.150J	0.420	0.220J	0.061J	0.600	1.4	3.0	0.130J	0.076J	0.056J

(See notes on page 5)

TABLE 7-4
(Cont'd.)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FLOODPLAIN SOILS APPENDIX IX+3 VOCs and SVOCs DATA[1]
(Concentrations are presented in dry-weight ppm)

Parameter[2,3]	UFP2-R1	UFP2-R2	UFP2-R7	UFP3-R1	DUFPC-2 (UFP3-R1)	UFP3-R2	UFP3-R3	UFP3-R4	UFP3-R5	UFP3-R6	UFP3-R7	UFP3-R11
Anthracene	0.440J	0.091J	ND	0.098J	ND	ND	0.110J	0.150J	0.260J	ND	ND	ND
Di-n-Butylphthalate	0.130J	ND	ND	0.096J	ND	ND	3.8	21.0E	ND	ND	ND	ND
Fluoranthene	3.9	0.960	0.250J	0.470	0.400J	0.110J	0.750	2.1	6.4	0.210J	0.130J	0.310J
Pyrene	3.7	0.980	0.250J	0.540	0.430J	0.099J	0.690	2.1	5.8	0.170J	0.130J	0.350J
Butylbenzylphthalate	0.350J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)Anthracene	2.2	0.520J	0.120J	0.300J	0.220J	ND	0.470	0.840J	2.2	ND	ND	0.240J
Chrysene	2.5	0.700J	0.170J	0.400	0.350J	0.120J	0.510	1.5	3.8	0.130J	0.075J	0.280J
bis(2-Ethylhexyl)Phthalate	0.940	0.088J	ND	0.170J	0.200J	ND	0.450	ND	ND	ND	ND	ND
Benzo(b)Fluoranthene	0.079J	0.700J	0.300JX	0.300J	0.630J	ND	0.520	1.3	3.1	0.130J	0.068J	0.240J
Benzo(k)Fluoranthene	4.3X	0.450J	0.300JX	0.280J	0.630J	ND	0.400J	1.5	3.1	0.120J	0.100J	0.270J
Benzo(a)Pyrene	2.1	0.560J	0.140J	0.280J	0.290J	ND	0.450	1.2	2.9	0.120J	0.068J	0.200J
Indeno(1,2,3-cd)Pyrene	1.6	0.400J	0.099J	0.170J	ND	ND	0.150J	0.460J	1.0J	ND	ND	0.120J
Dibenz(a,h)Anthracene	0.780	0.180J	0.060J	0.086J	ND	ND	0.071J	0.200J	0.500J	ND	ND	0.079J
Benzo(g,h,i)Perylene	1.9	0.480J	0.110J	0.180J	ND	ND	0.140J	0.530J	1.1J	ND	ND	0.110J

Notes:
[1]Samples were collected by Blasland & Bouck Engineers, P.C., during 4/9/91-4/11/91.
[2]All samples were submitted to IT Analytical Services for PCB analysis (see Table 7-2), and those samples which exhibited PID readings greater than 10 PID units were submitted to CompuChem Laboratories for Appendix IX+3 volatile and semi-volatile analyses.
[3]Only those parameters which were detected are summarized.
[4]ND = Not detected.
[5]B = Analyte was also detected in the associated method blank.
[6]J = Indicates an estimated value.
[7]X = Indicates coeluting isomers.
[8]R = Compound exceeded instrument calibration range.

TABLE 9-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF FORMER INTERIOR LANDFILL AMBIENT AIR SAMPLING

Sta./ Test	PCB Concentration (ng Aroclor in Sample) 1016/ 1242	1254	1260	Total	M^3 at Conditions	Avg. T°F	Baro. Press. in HG	Adjusted M^3 (Std. Cond.)	Total PCB Conc. ng/dscm
I-A	ND	ND	ND	ND	9.302	(70)	29.31	9.112	ND
I-B	100	70	ND	170	13.579	(70)	29.15	13.230	12.8
I-C	80	120	ND	200	11.607	(70)	29.34	11.382	17.6
II-A	230	100	ND	300	9.671	(70)	29.31	9.474	34.8
II-B	190	70	ND	260	10.424	(70)	29.15	10.156	25.6
II-C	190	120	ND	310	10.842	(70)	29.34	10.632	29.2
III-A	ND	70	ND	70	11.092	(70)	29.31	10.866	6.4
III-B	100	70	ND	170	17.532	(70)	29.15	17.081	9.9
III-C	ND	ND	ND	ND	14.082	(70)	29.34	13.809	ND
IV-A	ND	ND	ND	ND	11.886	78	29.31	11.819	ND
IV-B	ND	ND	ND	ND	9.767	63.6	29.15	9.401	ND
IV-C	ND	ND	ND	ND	10.375	78	29.34	10.327	ND
V-A	400	120	ND	520	17.881	78	29.31	17.781	29.2
V-B	480	130	ND	610	10.722	63.6	29.15	10.319	59.1
V-C	70	ND	ND	70	14.420	78	29.34	14.354	4.9
Trav. Blk.	ND	ND	ND	ND	--	--	--	--	ND
Trav. Blk.	ND	ND	ND	ND	--	--	--	--	ND

Notes:

A - 1700 July 18 to 0030 July 19
B - 0030 to 0800 July 19
C - 0800 to 1600 July 19

ND - Not Detected (Limit: 60 ng of each Aroclor)
(70) - Indicates Temperature Compensated Sampling Device Used

TABLE 9-2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF BASEMENT AIR SAMPLING FOR COMMERCIAL BUILDING

Location	VOC Constituent	Concentration (ppm)	OSHA PEL* (ppm)
Drafting Room	Benzene	<0.04	10
	Chlorobenzene	<0.01	75
Purchasing Room	Benzene	<0.04	10
	Chlorobenzene	<0.01	75
North End Boiler Room	Benzene	<0.05	10
	Chlorobenzene	<0.02	75
South End Boiler Room	Benzene	<0.05	10
	Chlorobenzene	<0.02	75
Engineering Room	Benzene	<0.05	10
	Chlorobenzene	<0.02	75
Record Keeping Room	Benzene	<0.06	10
	Chlorobenzene	<0.02	75

Notes:

1. Sampling was conducted on August 27, 1988
2. *PEL = Personal Exposure Limit

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF AMBIENT AIR PCB CONCENTRATIONS
(Results are Presented in Micrograms Per Cubic Meter (ug/m^3))

Monitor Identification: / Location Description:	002 NWL	003 LYM	004 H78	005 OP3	006 BCC	007 64Y	001[1] 64YC	008 32S
Mean Concentration[2]	0.0062	0.0013	0.0007	<0.0005	<0.0005	0.0011	0.0011	0.0050[3]
Mean Spring[2]	0.0097	0.0016	0.0008	0.0006	<0.0005	0.0012	0.0009	(-)
Mean Summer[2,4]	0.0117	0.0029	0.0011	0.0010	<0.0005	0.0022	0.0020	(-)
Mean Fall[2]	0.0028	0.0006	<0.0005	<0.0005	<0.0005	0.0006	0.0007	(-)
Mean Winter[2]	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	(-)
Max. 24 Hour Concentration	0.030	0.0059	0.0035	0.0019	0.0015	0.0037	0.0041	0.0071
Date of Occurrence	06/15/92	08/02/92	06/05/92	07/19/92	08/14/92	07/21/92	08/02/92	08/02/92
Min. 24 Hour Concentration[5]	ND[6]	ND	ND	ND	ND	ND	ND	0.0035
Date of Occurrence	(-)[7]	(-)	(-)	(-)	(-)	(-)	(-)	07/09/92
Total # of Valid Samples	30	30	30	31	31	29	29	6
% Below the Detection Limit	26.7	46.7	76.7	74.2	83.9	37.9	37.9	0

Notes:
1. Co-located with Monitor 007.
2. Averages are calculated using one-half the detection limit for non-detect events.
3. Based on six sampling events between June 15, 1992 and August 14, 1992.
4. Observations from summer 1991 and 1992 were combined to produce summer averages.
5. Sampling Stations 001 through 007 had several observations of non-detect.
6. ND - Below the detection limit of 0.0005 ug/m^3.
7. (-) = Indicates that a non-detect was recorded on several occasions.

Location Key:

NWL = Newell Street Oxbow Area 1 Site
LYM = Lyman Street Parking Lot/USEPA Area 5B Site
H78 = Hill 78 Area/USEPA Area 2 Site
OP3 = Bldg. OP-3 located in Unkamet Brook Area/USEPA Area 1
BCC = Berkshire Community College
64Y = Bldg. 64Y in East Street Area 2/USEPA Area 4 Site
32S = Bldg. 32S in East Street Area 2/USEPA Area 4 Site

Reference:
Information was reproduced from Zorex, November 1992 - Table 2.

TABLE 11-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

FISH SPECIES IDENTIFIED IN UNKAMET BROOK[1]

Species	Number	Size Range (cm)
Sunfish	16	3 - 5
White Sucker	9	10 - 14
Rock Bass	7	3 - 10
Creek Chubs	7	10 - 14
Other Minnows	4	3 - 4
Brown Bullhead	4	7 - 14
Largemouth Bass	2	4 - 10
Chain Pickerel	1	12

Notes:

[1]Fish were captured using a backpack electrofishing unit, November 1, 1990. Because fish were not of filletable size, none were retained for analysis.

TABLE 11-2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

SUMMARY OF MCP FISH PCB DATA[1]

Sample ID[2]	Species	Length (cm)	Weight (grams)	Percent Lipid Content	PCB Concentration[3] (ppm wet tissue)
00029	Rock Bass	16.5	110	1.06	2.1
00030	Rock Bass	23.5	280	1.20	3.8
00031	Rock Bass	19.6	140	1.13	3.3
00032	Sucker	32.0	340	1.30	3.0

Notes:

[1]Samples were collected by Blasland & Bouck Engineers, P.C., on May 8, 1991 and submitted to Hazleton Laboratory, Madison, Wisconsin for analysis.

[2]Sample prepration consisted of skin-on fillets.

[3]Only Aroclor 1260 was detected.

TABLE 12-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

PHYSICAL AND CHEMICAL PROPERTIES OF SELECT CONSTITUENTS

Constituent[1]	Water Solubility[2] (mg/l)	LOG Kow	Vapor Pressure[2] (mm Hg)	Henry's Law Constant[2] (atm-m^3/mole)
VOLATILES				
Ketones				
Acentone	Miscible	-0.24	231	3.67E-5
2-Butanone	136,000	0.29	90.6	5.77E-5
Aromatics				
Benzene	1791	2.13	95.2	5.42E-3
Ethylbenzene	161	3.15	9.53	8.44E-3
Toluene	534.8	2.73	28.4	5.94E-3
Xylene (1,2-)	175	3.12	6.6	5.19E-3
Xylene (1,3-)	146	3.20	8.3	7.19E-3
Xylene (1,4-)	156	3.15	8.7	7.60E-3
Halogenated Compounds				
Chlorobenzene	471.7	2.84	11.9	3.45E-3
Chloroform	7220	1.97	246	4.35E-3
1,1-Dichloroethane	5060	1.79	227	5.87E-3
1,2-Dichloroethene (cis-)	3500	1.86	215	3.37E-3
1,2-Dichloroethene (trans-)	6260	2.06	336	6.72E-3
1,1,1-Trichloroethane	1495	2.49	123.7	8.0E-3
Trichloroethene	1100	2.42	69	1.03E-2
Vinyl Chloride	2763	1.38	2,660	1.07E-2
Others				
Carbon Disulfide	2100 (20°C)	1.86-2.16	297	1.4E-3

(See Notes on Page 4)

TABLE 12-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

PHYSICAL AND CHEMICAL PROPERTIES OF SELECT CONSTITUENTS

Constituent[1]	Water Solubility[2] (mg/l)	LOG Kow	Vapor Pressure[2] (mm Hg)	Henry's Law Constant[2] (atm-m^3/mole)
SEMIVOLATILES				
Polychlorinated Benzenes				
1,2-Dichlorobenzene	156	3.38	1.47	1.2E-3
1,3-Dichlorobenzene	111 (20°C)	3.60	2.3	1.8E-3
1,4-Dichlorobenzene	87	3.52	1.76	1.5E-3
Pentachlorobenzene	1.3	5.17	2.2E-3	4.89E-5
1,2,3,4-Tetrachlorobenzene	4.3	4.64	0.04	2.63E-2
1,2,3,5-Tetrachlorobenzene	3.5	4.92	0.07	5.68E-3
1,2,4,5-Tetrachlorobenzene	0.6	4.82	5.4E-3	2.58E-3
1,2,3-Trichlorobenzene	16.6	4.05	0.2	1.25E-3
1,2,4-Trichlorobenzene	48.8 (20°C)	4.02	0.29	1.42E-3
Phenols				
2-Chlorophenol	28,000	2.15	1.42	5.6E-7
4,6-Dinitro-2-methylphenol	198	2.12	3.2E-4	4.37E-7
2-Methylphenol	30,800 (40°C)	1.95	0.31	1.6E-6
3-Methylphenol	23,000	1.96	0.143 (20°C)	8.7E-7
4-Methylphenol	22,600 (40°C)	1.94	0.13 (20°C)	9.6E-7
Phenol	87,000	1.46	0.524	3.97E-7
PAHs				
Acenaphthene	3.88	3.92	0.004-0.03	1.55E-4
Acenaphthylene	3.93	3.94	9.0E-4	1.13E-5
Anthracene	0.03-0.075	4.45	2.67E-6	6.5E-5
Benzo(a)anthracene	0.009	5.66	3.08E-8	9.75E-7
Benzo(b)fluorantene	0.0015	6.12	5.0E-7	1.11E-4
Benzo(k)fluoranthene	8.0E-4	6.12	9.6E-10	4.0E-7
Benzo(a)pyrene	0.001-0.004	5.97	5.5E-9	1.82E-6

TABLE 12-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

PHYSICAL AND CHEMICAL PROPERTIES OF SELECT CONSTITUENTS

Constituent[1]	Water Solubility[2] (mg/l)	LOG Kow	Vapor Pressure[2] (mm Hg)	Henry's Law Constant[2] (atm-m^3/mole)
1-Chloronaphthalene	22.4	NA	NA	3.55E-4
Chrysene	0.002	5.66	3.08E-8	9.46E-5
Dibenz(a,h)anthracene	2.5E-6	6.50	1.0E-10	1.15E-4
Fluoranthene	0.26	4.95	1.0E-8	1.26E-8
Fluorene	1.98	4.18	7.0E-4.8.0E-3	8.39E-5
(See Notes on Page 4)				
Indeno(1,2,3-cd)pyrene	2.2E-5	6.58	1.0E-10	1.6E-6
1-Methylnaphthalene	29	3.87	0.07	2.6E-4
2-Methylnaphthalene	25	3.86	0.05	3.74E-4
Naphthalene	31.7	3.30	0.082	4.24E-4
Phenanthrene	1.00	4.46	2.0E-4	3.95E-5
Pyrene	1.4E-7	4.88	2.5E-6	1.1E-5
Amines				
Aniline	3.6E+4	0.9	0.489	0.136
Diphenylamine	53	3.5	8.06E-4	3.39E-6
N-Nitrosodiphenylamine	40	2.57-3.13	0.1	6.6E-4
Phthalate Esters				
Bis(2-ethylhexyl)phthalate	0.3	5.11	6.45E-6	1.1E-5
Di-n-butylphthalate	11.2	4.72	1.4E-5	4.6E-7
PCBs				
Aroclor 1242	0.24	5.6	4.06E-4	5.2E-4
Aroclor 1254	0.012	6.5	7.71E-5	2.0E-3
Aroclor 1260	0.0027	6.8	4.05E-5	4.6E-3
PCDDs/PCDFs 2,3,7,8-TCDD	3.17E-4	6.15-7.28	1.4E-9	2.1E-6
(See Notes on Page 4)				

TABLE 12-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT
SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA 1

PHYSICAL AND CHEMICAL PROPERTIES OF SELECT CONSTITUENTS

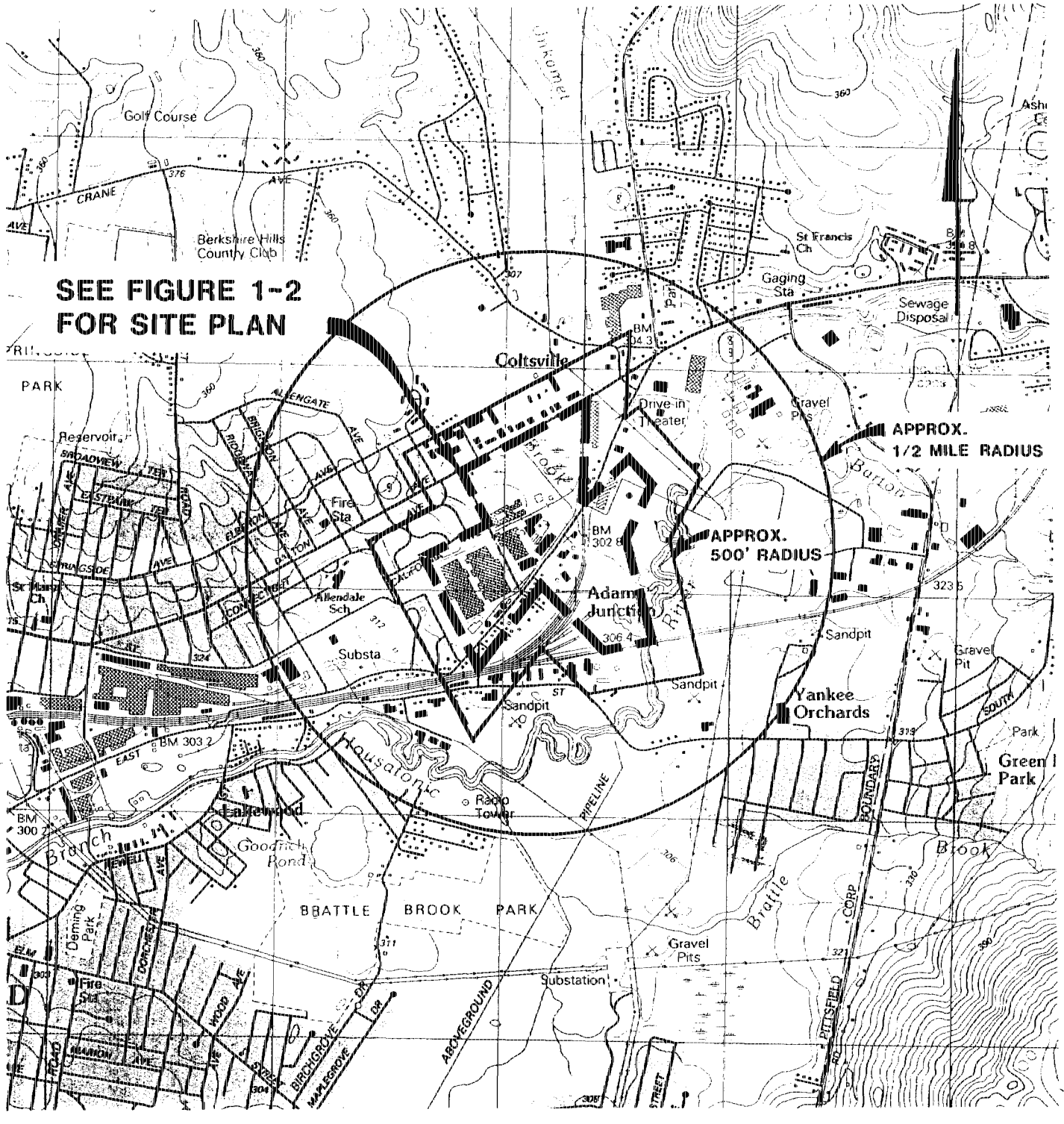
Constituent[1]	Water Solubility[2] (mg/l)	LOG Kow	Vapor Pressure[2] (mm Hg)	Henry's Law Constant[2] (atm-m^3/mole)
Pesticides				
4,4-DDE	0.12	7.00	6.5E-6 (20°C)	6.8E-5
4,4-DDT	0.0034	6.19	5.5E-6 (20°C)	5.13E-4
Sulfotepp	30 (20°C)	NA	1.7E-4 (20°C)	2.4E-6
2,4,5-T	278	3.13	<7.5E-7 (20°C)	8.68E-9

Notes:
[1]Organic compounds detected in soils, sediments, surface water, or groundwater above the quantitation limit during MCP Phase II Investigation sampling.
[2]At 25°C unless noted.
NA = Not Available

References:

(Howard, 1989; 1990; 1991; CHEMFATE, 1989; Hansch and Leo, 1985; Hartley and Kidd, 1983; USEPA, 1980; Verschueren, 1983)

Figures



REFERENCE: PITTSFIELD, EAST USGS QUAD. 1988

2000' 0 2000'

APPROX. SCALE: 1" = 2000'

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY • PITTSFIELD, MASSACHUSETTS

MCP SUPPLEMENTAL PHASE II REPORT
AND CURRENT ASSESSMENT SUMMARY FOR
UNKAMET BROOK AREA / USEPA AREA 1

LOCATION MAP

FIGURE 1-1

11/94 D54-JVM
1019503/10195N01.CDR

LEGEND:

- APPROXIMATE SITE BOUNDARY
- SITE PROPERTY CURRENTLY OWNED BY GENERAL ELECTRIC CO.
- APPROXIMATE HOUSATONIC RIVER 10-YEAR FLOODPLAIN
- ELEVATION CONTOUR
- FENCING

NOTES:

1. MAPPING IS BASED ON PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC.-FLOWN IN APRIL 1990, AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. THE LIMIT OF FLOODPLAIN REPRESENTS THE APPROXIMATE 10-YEAR FLOODPLAIN OF THE HOUSATONIC RIVER. DELINEATION OF 10-YEAR FLOODPLAIN IS BASED ON HEC-2 HYDRAULIC MODELING PERFORMED BY BLASLAND AND BOUCK ENGINEERS, P.C. (1991) AND AVAILABLE TOPOGRAPHIC MAPPING.

400' 0 400' 800'

APPROXIMATE SCALE: 1" = 400'

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

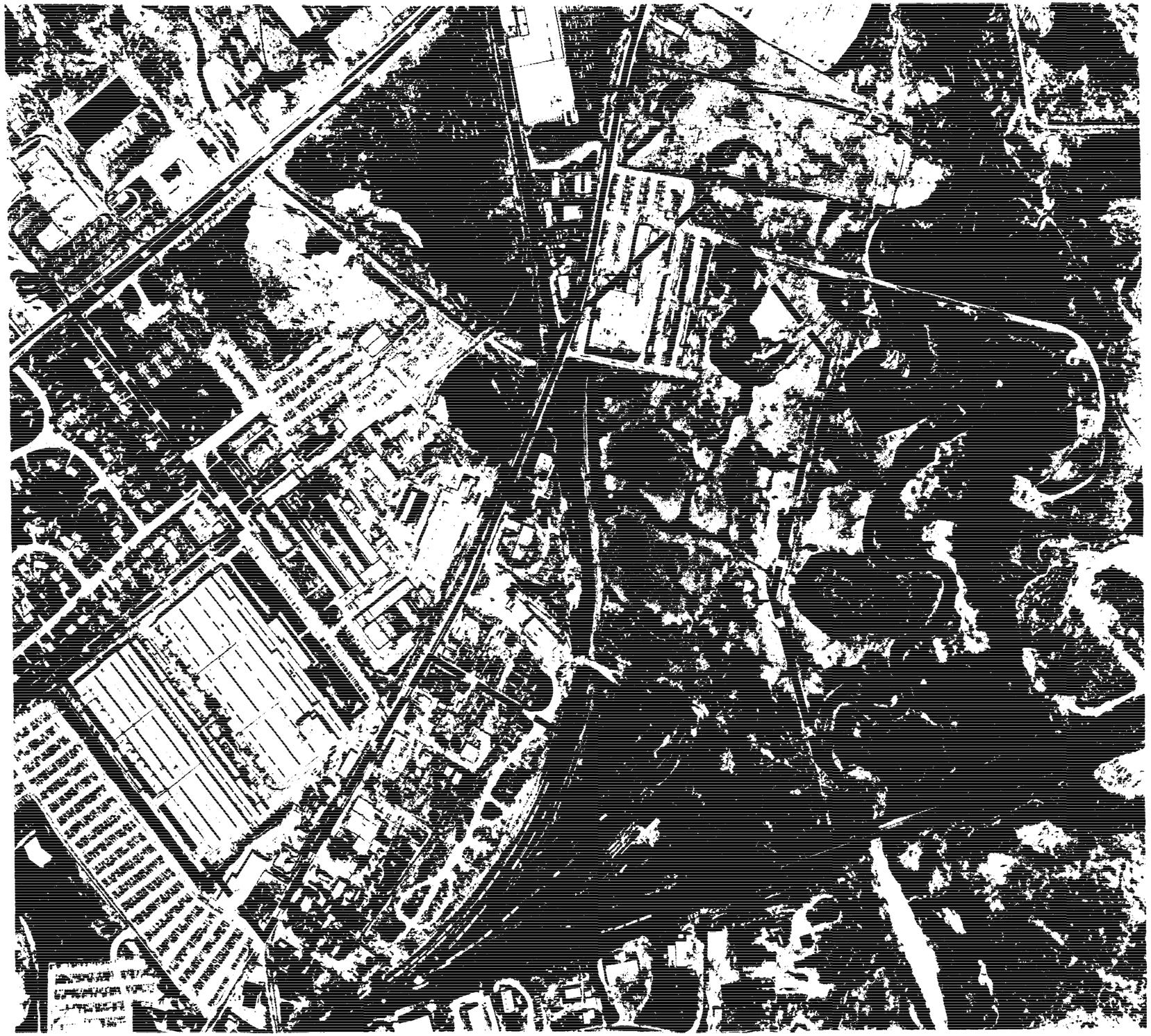
GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

SITE PLAN

FIGURE **1-2**

X: 10195X01,10195X02,10195X03
L: ON=*,OFF=*REF*
1/27/95 54-PMC DWW
10195030/10195G24.DWG



LEGEND:

APPROXIMATE USEPA AREA 1 BOUNDARY

NOTE: AERIAL PHOTOGRAPH TAKEN ON APRIL 14, 1969.

420' 0 420'

APPROX. SCALE: 1" = 420'

11/94 D54-JVM
1019503/10196N05.CDR

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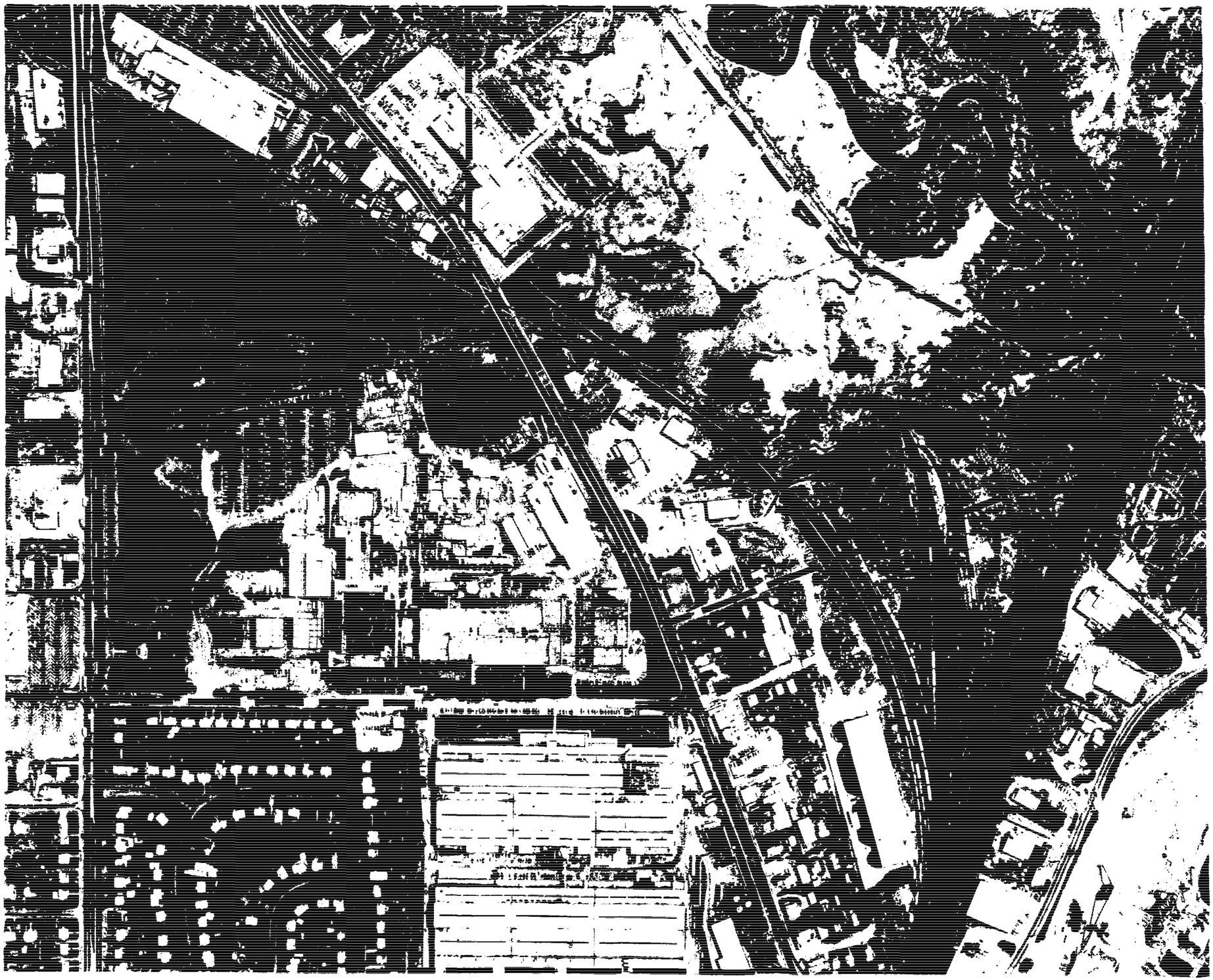
MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

1969 AERIAL PHOTOGRAPH

FIGURE **2-2**



LEGEND:

APPROXIMATE USEPA AREA 1 BOUNDARY

NOTE: AERIAL PHOTOGRAPH TAKEN ON APRIL 13, 1983

330' 0 330'

APPROX. SCALE: 1" = 330'

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY • PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

1983 AERIAL PHOTOGRAPH

FIGURE **2-3**

11/94 DS4 JVM
1019S03/10195N04.CDR

LEGEND:

APPROXIMATE USEPA AREA 1 BOUNDARY

NOTE: AERIAL PHOTOGRAPH TAKEN ON APRIL 23, 1990

330' 0 330'

APPROX. SCALE: 1" = 330'

BLASLAND, BOUCK & LEE, INC.
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GENERAL ELECTRIC COMPANY • PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

1990 AERIAL PHOTOGRAPH

FIGURE 2-4

11/94 D54-JVM
1019503/10195N03.CDR

LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCING
- GRASS
- TREES/WOODED AREAS
- ASPHALT/CONCRETE
- WATER
- MARSH
- BUILDINGS
- GRAVEL/DIRT

NOTES:

1. MAPPING IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY AND CITY OF PITTSFIELD TAX ASSESSORS' OFFICE.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. EXTENT OF VARIOUS COVER LIMITS ARE APPROXIMATE

400' 0 400' 800'

APPROXIMATE SCALE: 1" = 400'

X:10195X01,10195X02,10195X03
L: ON=*,OFF=*REF*
1/6/95 34-DMW
10195030/10195G26.DWG

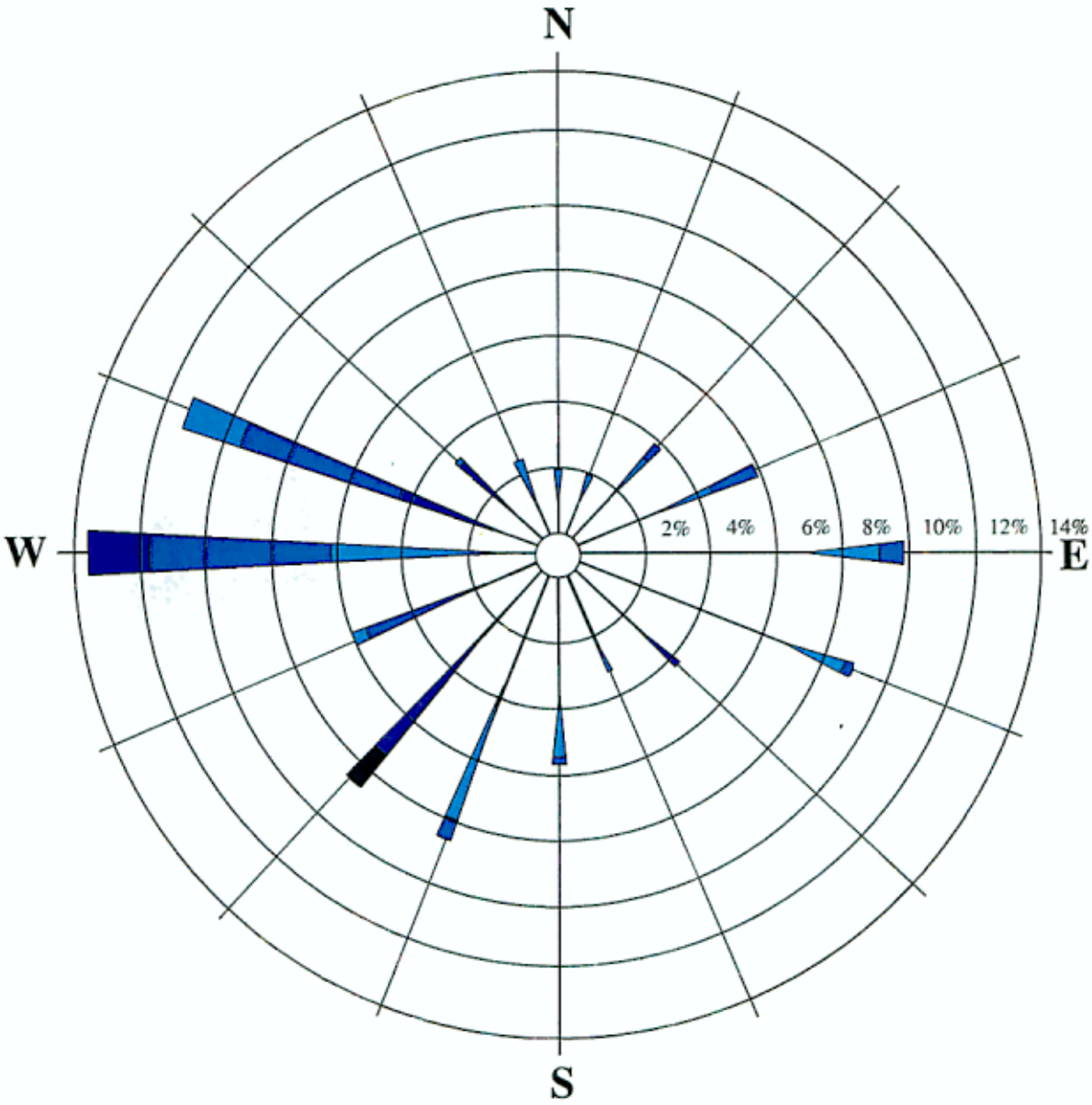
BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

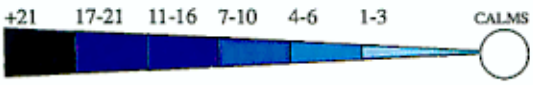
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

SURFACE COVER SITE PLAN

FIGURE **2-5**



WIND SPEED (KNOTS)



NOTES:

1. INFORMATION WAS COLLECTED BY ZOREX ENVIRONMENTAL ENGINEERS, INC., DURING JANUARY 1 THROUGH DECEMBER 31, 1992 FROM A METEOROLOGICAL STATION LOCATED IN EAST STREET AREA 2/USEPA AREA 4.
2. FREQUENCIES INDICATE DIRECTION FROM WHICH THE WIND IS BLOWING.
3. CALM WINDS 2.94%.

BLASLAND, BOUCK & LEE, INC.
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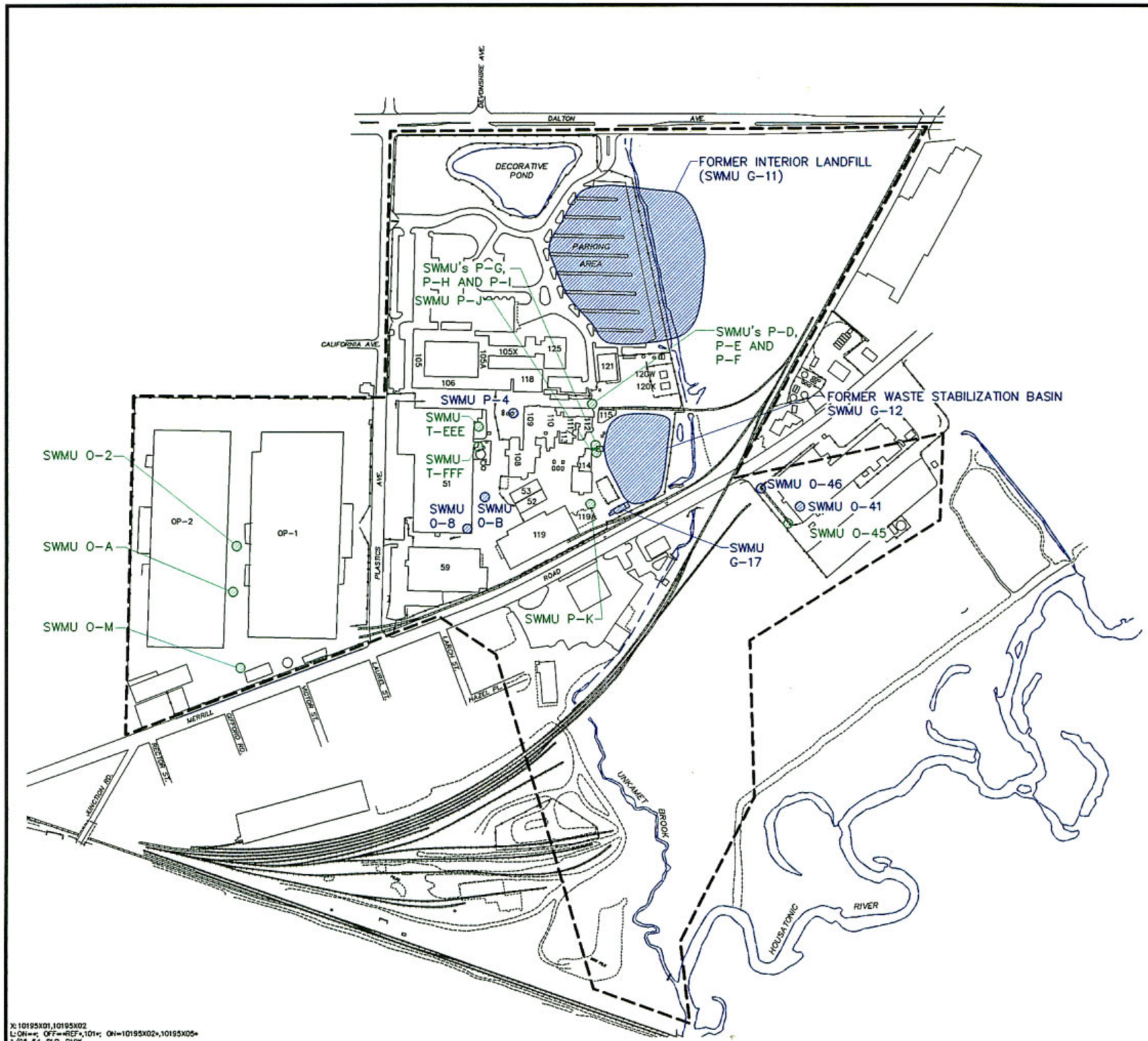
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

1992 WIND ROSE

FIGURE
2-6

11/94 54-DJH
10195032/10195G01.CDR



X:10195X01,10195X02
L:ON=*; OFF=*REF*,101*; ON=10195X02*,10195X05*
1/95 54-RLP, DWW
10195G30/10195G32.DWG

LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCING
- APPROXIMATE LOCATION OF UST SWMU
- APPROXIMATE LOCATION OF OTHER (NON-UST) SWMU

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC.-FLOWN IN APRIL 1990, AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. LOCATION OF SWMU P-L IS CURRENTLY UNKNOWN.

400' 0 400' 800'

SCALE: 1" = 400'

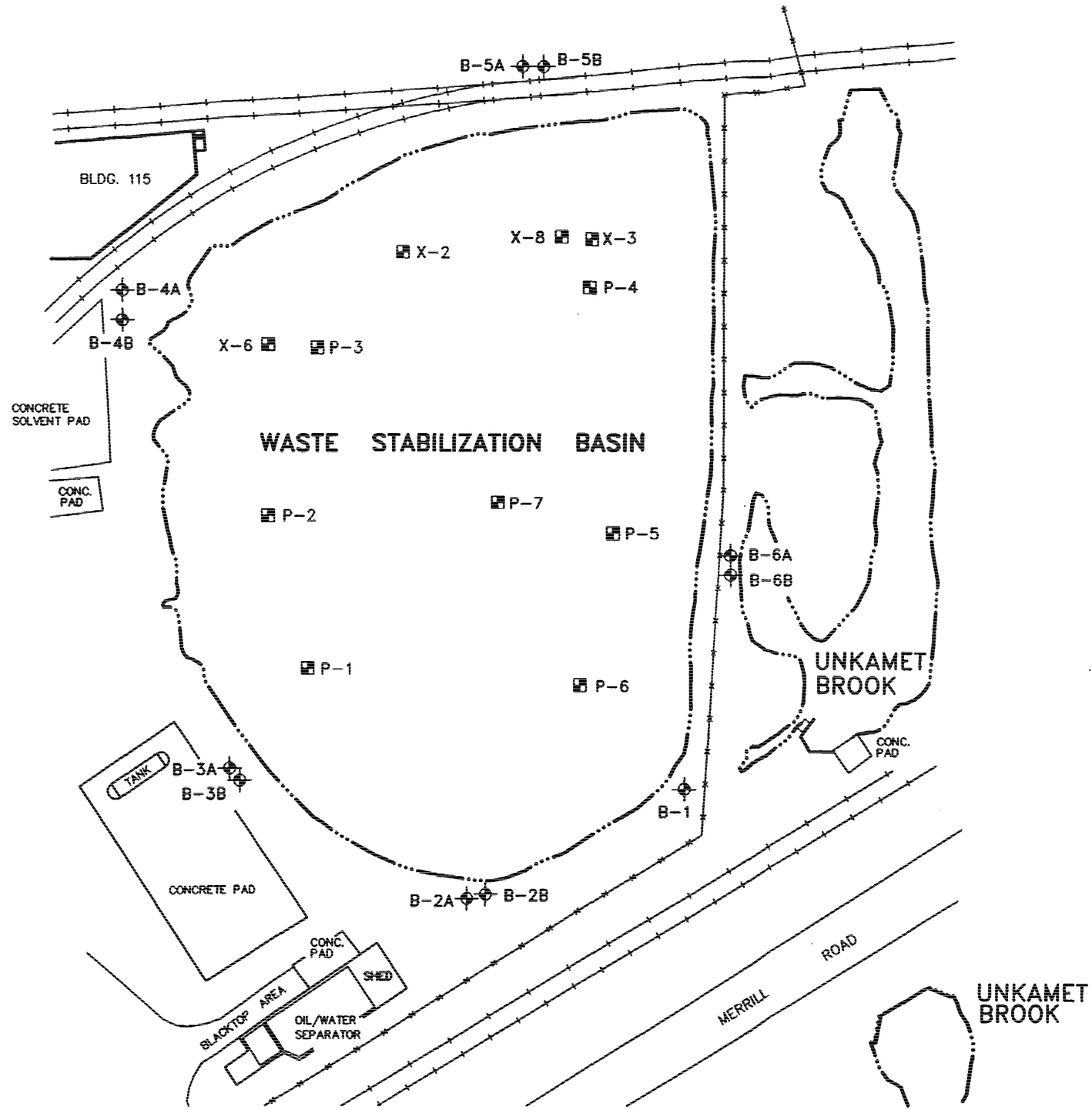
BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

USEPA AREA 1 SWMU LOCATIONS

FIGURE **3-1**



LEGEND:

BORING LOCATION

SEDIMENT CORE LOCATION

50' 0 50'

1" = 50'

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GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

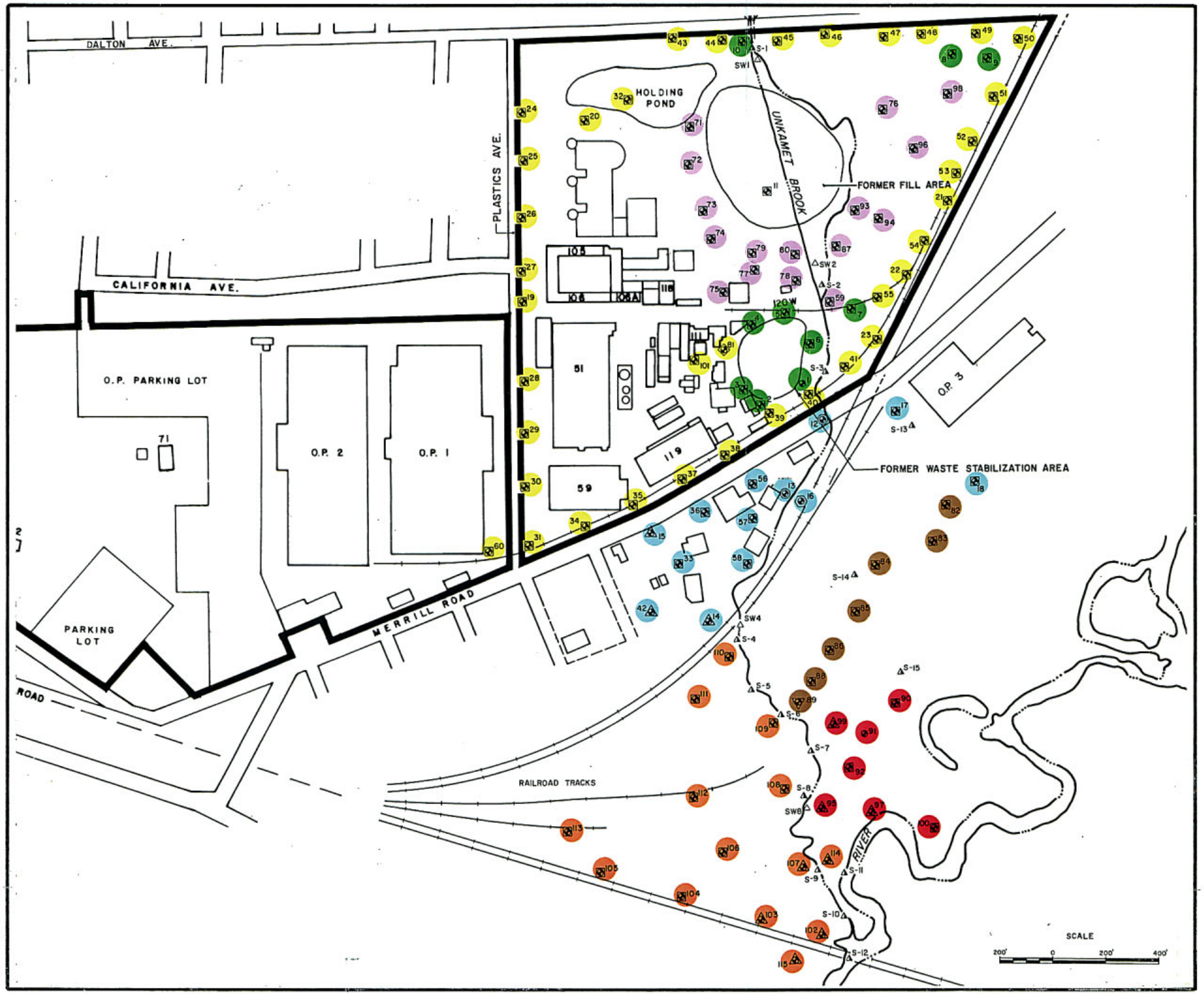
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

WASTE STABILIZATION BASIN PRELIMINARY SEDIMENT LAYER INVESTIGATION

FIGURE 3-2

X:\10195X01
11/94 SA-YCC
10195030/10195017.DWG

FIGURE 4-1



LEGEND

- MONITORING WELL (B SERIES WELL)
- MONITORING WELL CLUSTER (A & B SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & C SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, C, & D SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, C, & E SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & D SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, 81°, & F SERIES WELLS)
- SURFACE WATER, SEDIMENT, AND STREAM GROUND-WATER SAMPLING LOCATION
- SURFACE WATER SAMPLING LOCATION

SEQUENCE OF MONITORING WELL INSTALLATION:

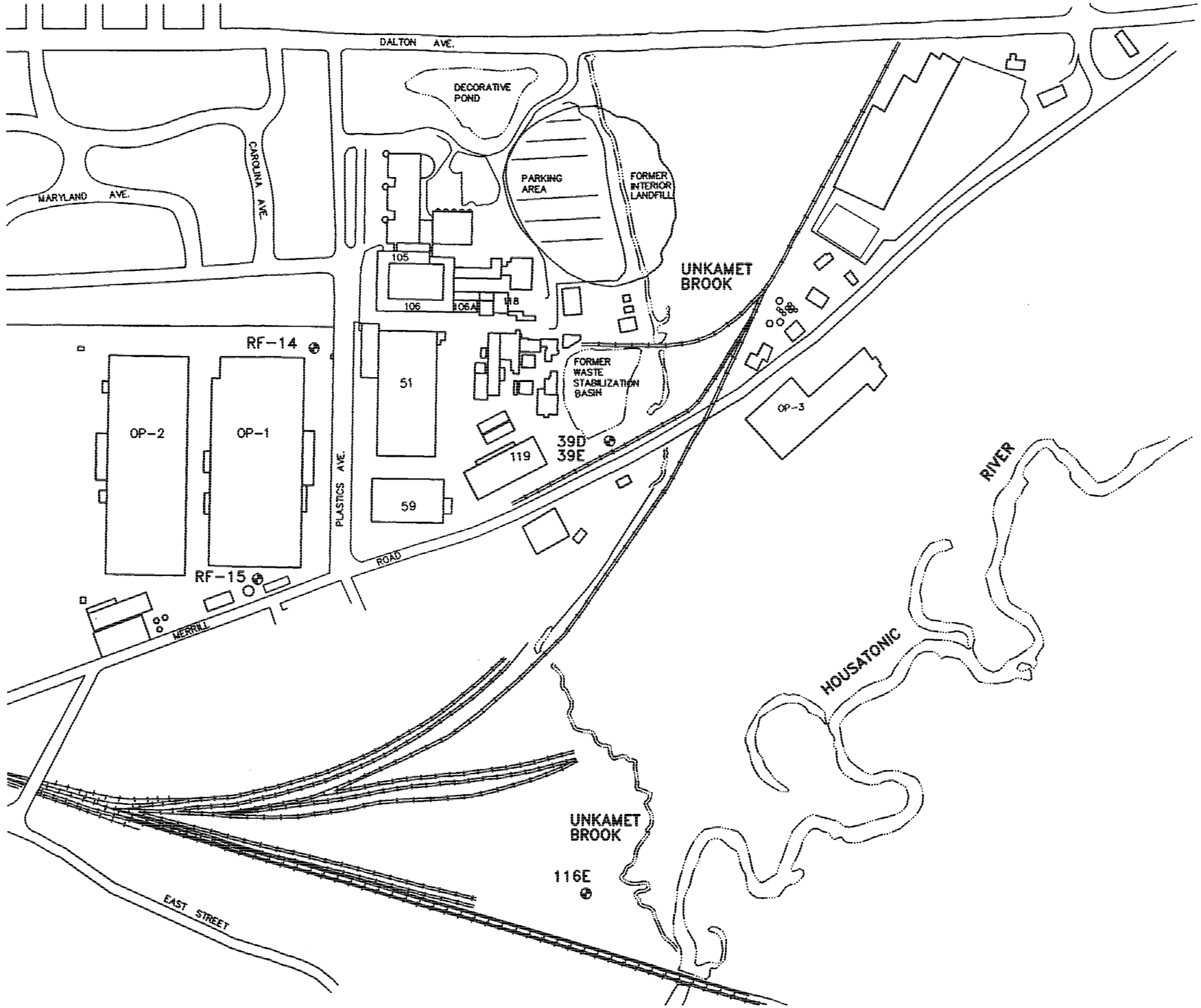
- WASTE STABILIZATION BASIN WELLS
- LANDFILL AREA WELLS
- ON-SITE WELLS
- PHASE I OFF-SITE WELLS
- PHASE II OFF-SITE WELLS
- PHASE III OFF-SITE WELLS
- ADDITIONAL OFF-SITE WELLS

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASS.

MCP INTERIM PHASE II REPORT FOR UNKAMET BROOK AREA AND CURRENT ASSESSMENT SUMMARY FOR USEPA AREA 1

SEQUENCE OF MONITORING WELL INSTALLATION PRIOR TO PHASE II MCP ACTIVITIES

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS



LEGEND:

SOIL BORING AND MONITORING WELL

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN TAKEN APRIL 23,1990.
2. WELL LOCATIONS ARE APPROXIMATE.

400' 0 400'

1" = 400'

X: 10195X01
11/94 SA-YCC
10195030/10195013.DWG

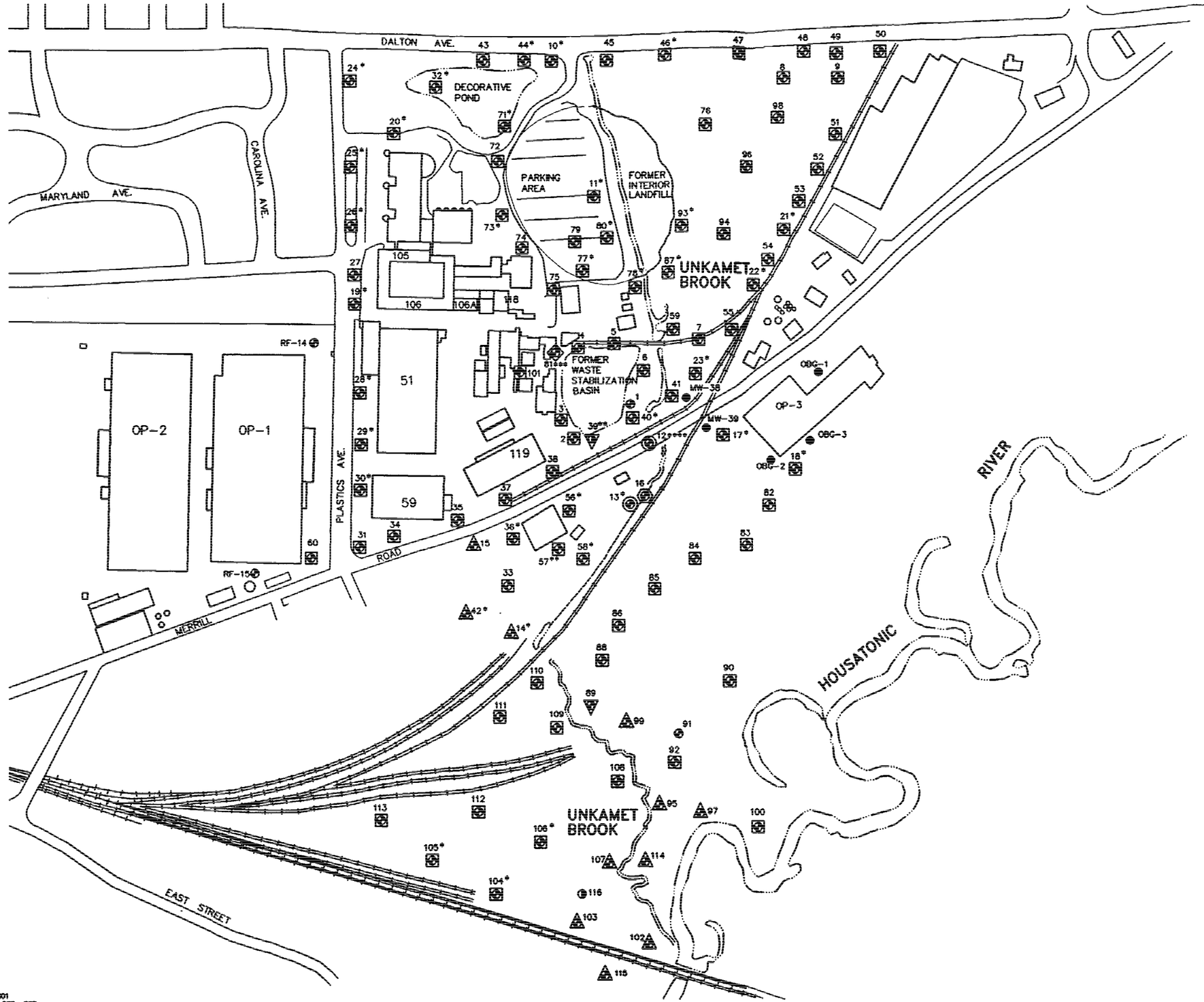
BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MCP PHASE II ADDITIONAL SOIL BORINGS AND MONITORING WELLS

FIGURE **4-2**



LEGEND:

- MONITORING WELL (SHALLOW)
- MONITORING WELL (B SERIES WELL)
- MONITORING WELL (E SERIES WELL)
- MONITORING WELL CLUSTER (A & B SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & C SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, C, & D SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, C, & E SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & D SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, D, & E SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, 81* & F SERIES WELLS)
- * WELL CLUSTER DESTROYED OR NOT LOCATED
- ** A SERIES WELL DESTROYED OR NOT LOCATED
- *** A AND B SERIES WELLS DESTROYED
- **** A,C, AND D SERIES WELLS NOT LOCATED

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN APRIL 23, 1990.
2. WELL LOCATIONS ARE APPROXIMATE.
3. THE PRESENCE OR ABSENCE OF SPECIFIC WELLS AS DESIGNATED ON THIS FIGURE IS BASED ON A WELL INVENTORY CONDUCTED BY GERAGHTY & MILLER IN 1990.

400' 0 400'

1" = 400'

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

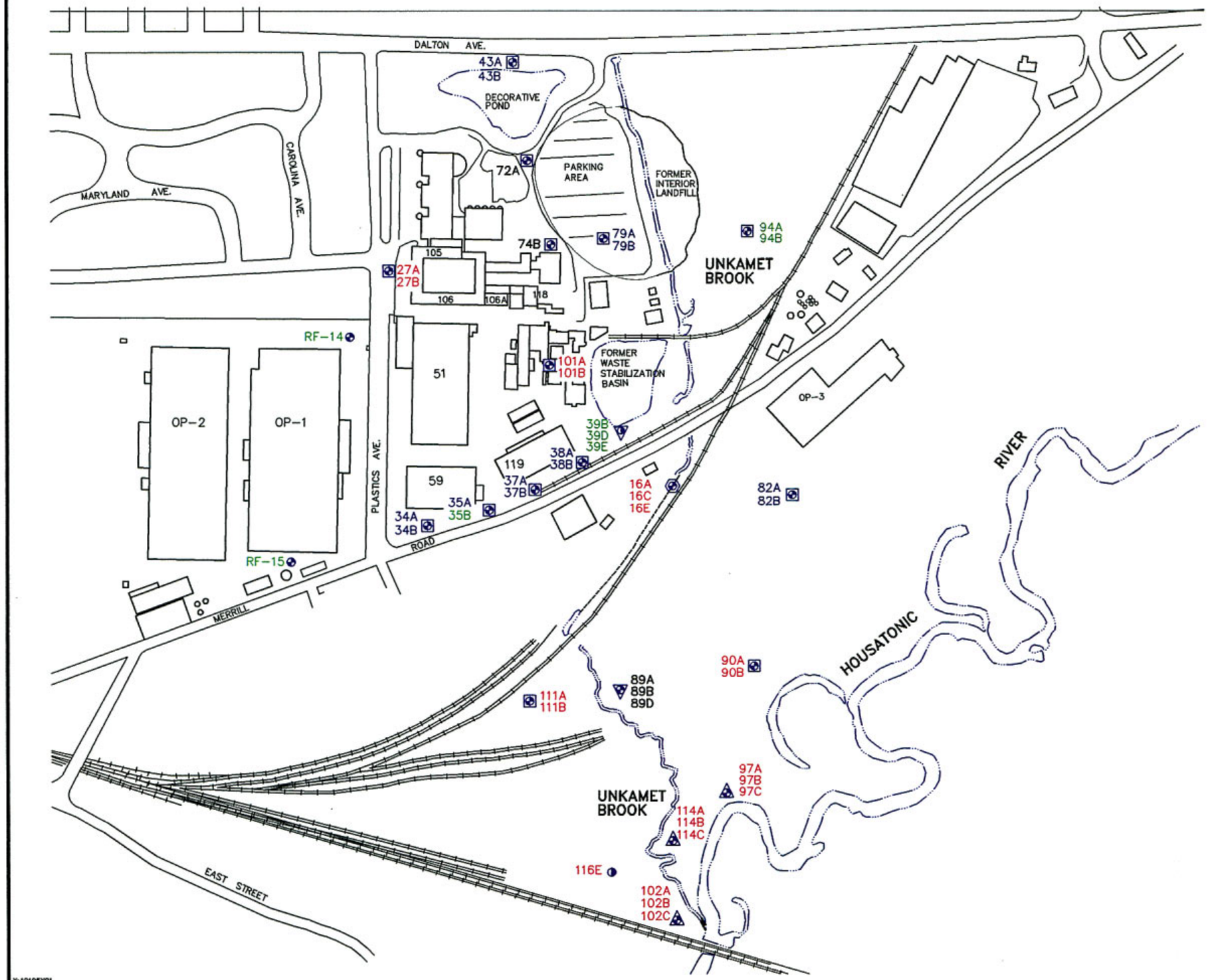
GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MONITORING WELL LOCATION PLAN

FIGURE **4-3**

X: 10195X01
L:CH=n, OFF=REF*
1/95 54-YCC DMW
10195030/10195G37.DWG



LEGEND:

- MONITORING WELL (B SERIES WELL)
- MONITORING WELL (E SERIES WELL)
- MONITORING WELL CLUSTER (A & B SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & C SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, C, & E SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & D SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, D, & E SERIES WELLS)
- 100A VOCs & PHENOLS
- 97A VOCs
- 82A APP IX+3 * PARAMETERS
- 39A APP IX+3 PARAMETERS

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN TAKEN APRIL 23, 1990.
2. WELL LOCATIONS ARE APPROXIMATE.
3. * – EXCLUDING HERBICIDES & PESTICIDES

400' 0 400'

1" = 400'

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

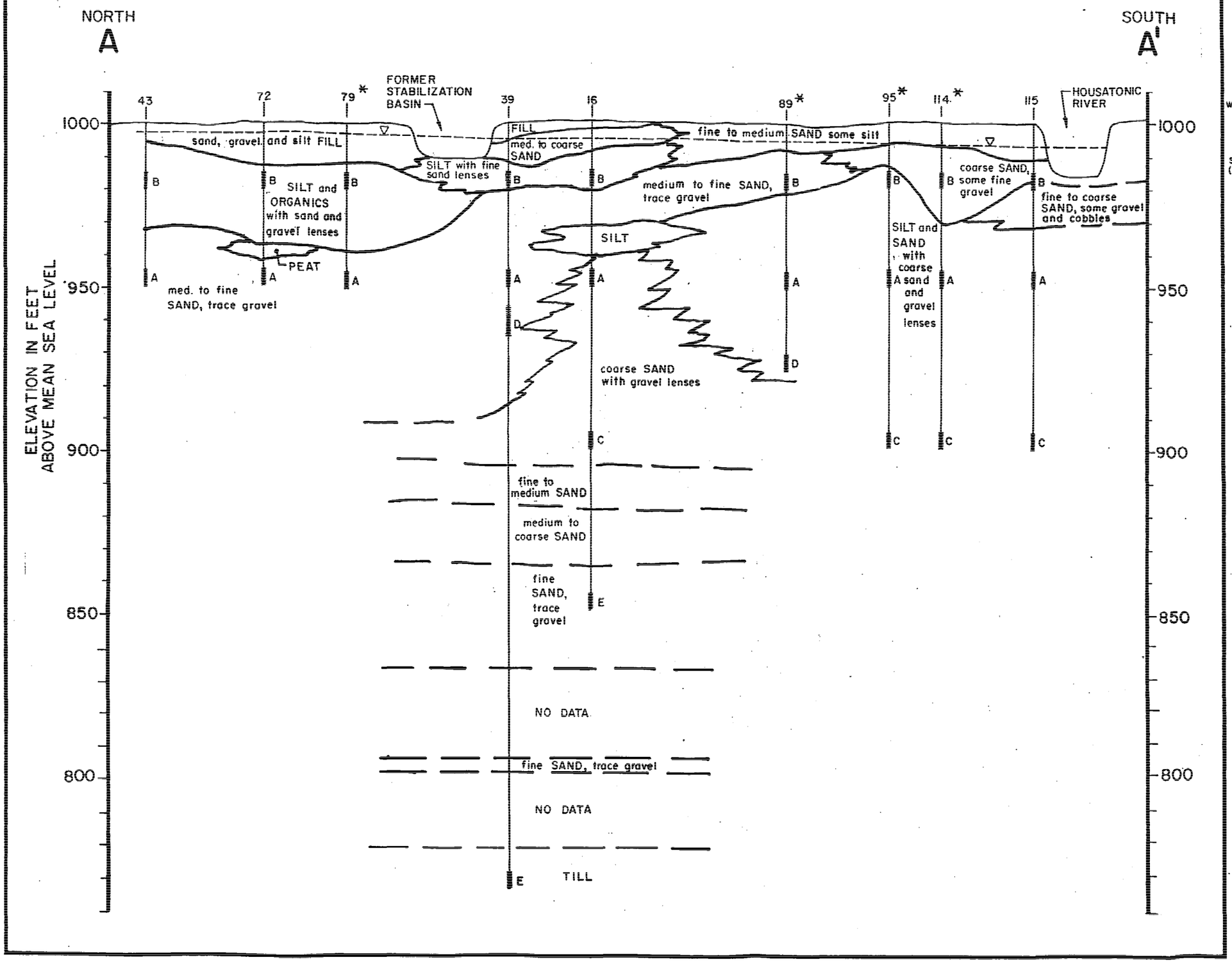
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MCP PHASE II GROUNDWATER MONITORING LOCATIONS

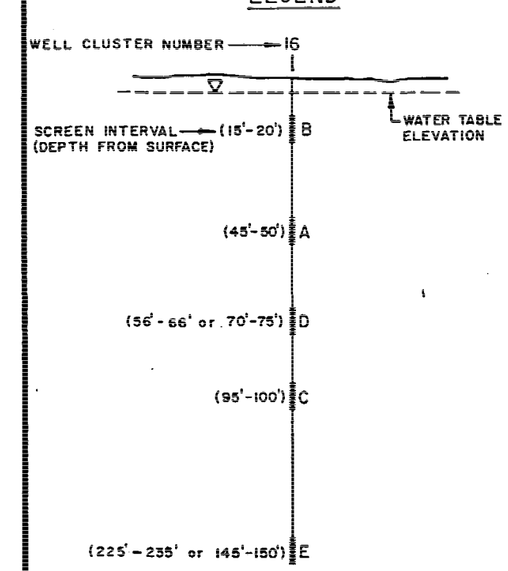
FIGURE **4-4**

X:\10195X01
11/94 54-YOC RLP
10195030/10195019.DWG

FIGURE 4-5

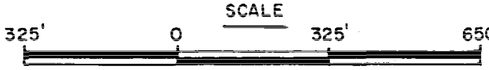


LEGEND



NOTE: * BORING LOG WAS NOT AVAILABLE, NEARBY BORING INFORMATION WAS USED.

SCALE



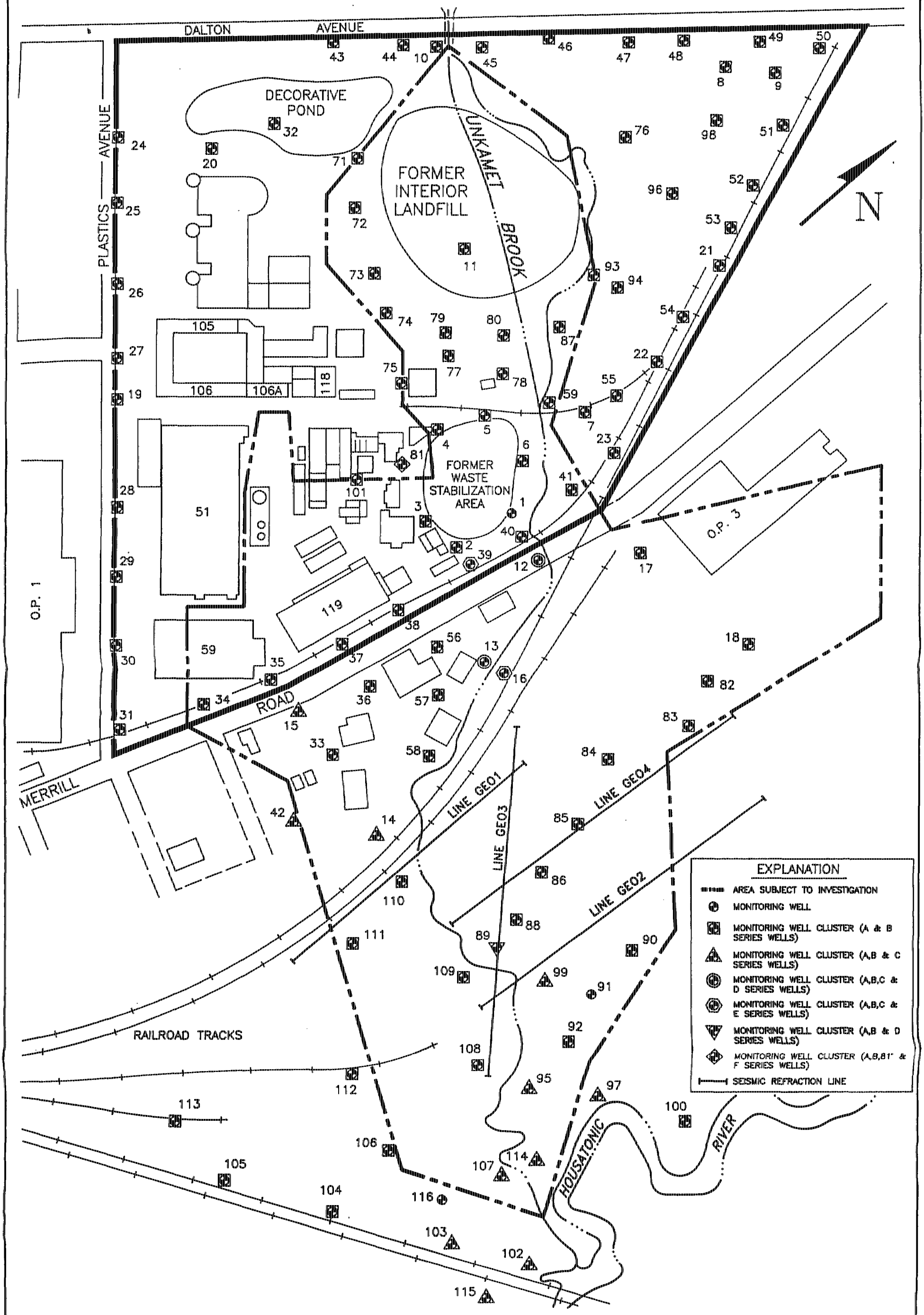
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASS.

MCP INTERIM PHASE II REPORT
FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY
FOR USEPA AREA 1

GENERALIZED GEOLOGIC CROSS-SECTION

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS

DATE: JAN. 1992	PRJCT. NO.: AY05107	FILE NO.:	CAD FILE: G28C	COMPILER: M. SANFORD	MGR.: M. SANFORD	DRAFTER: TAD



0 250 500
Scale in Feet

GERAGHTY & MILLER, INC.
Environmental Services

LOCATION OF SEISMIC REFRACTION LINES
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

FIGURE
4-6

Depth Profile for Line GE01, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.

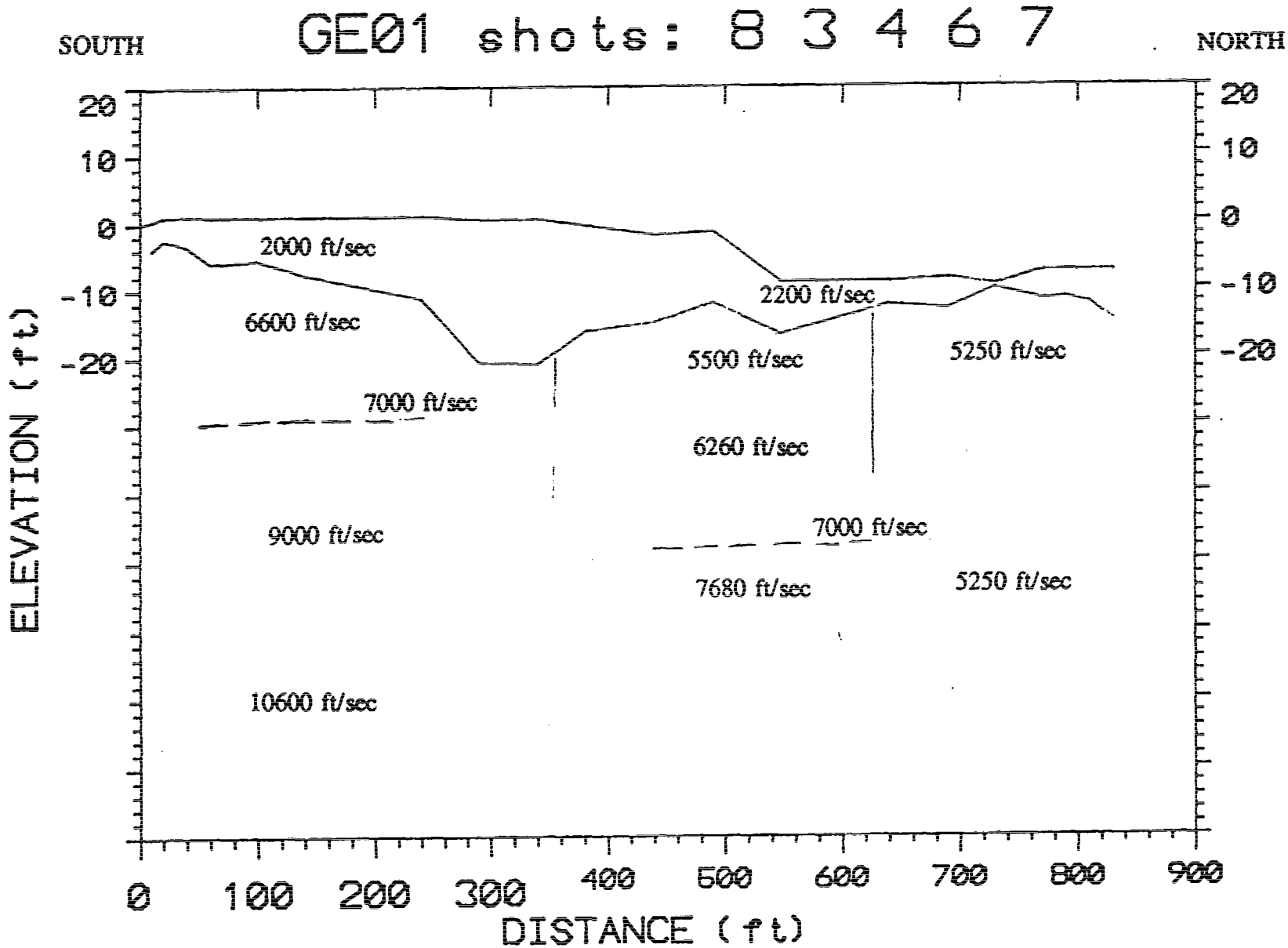
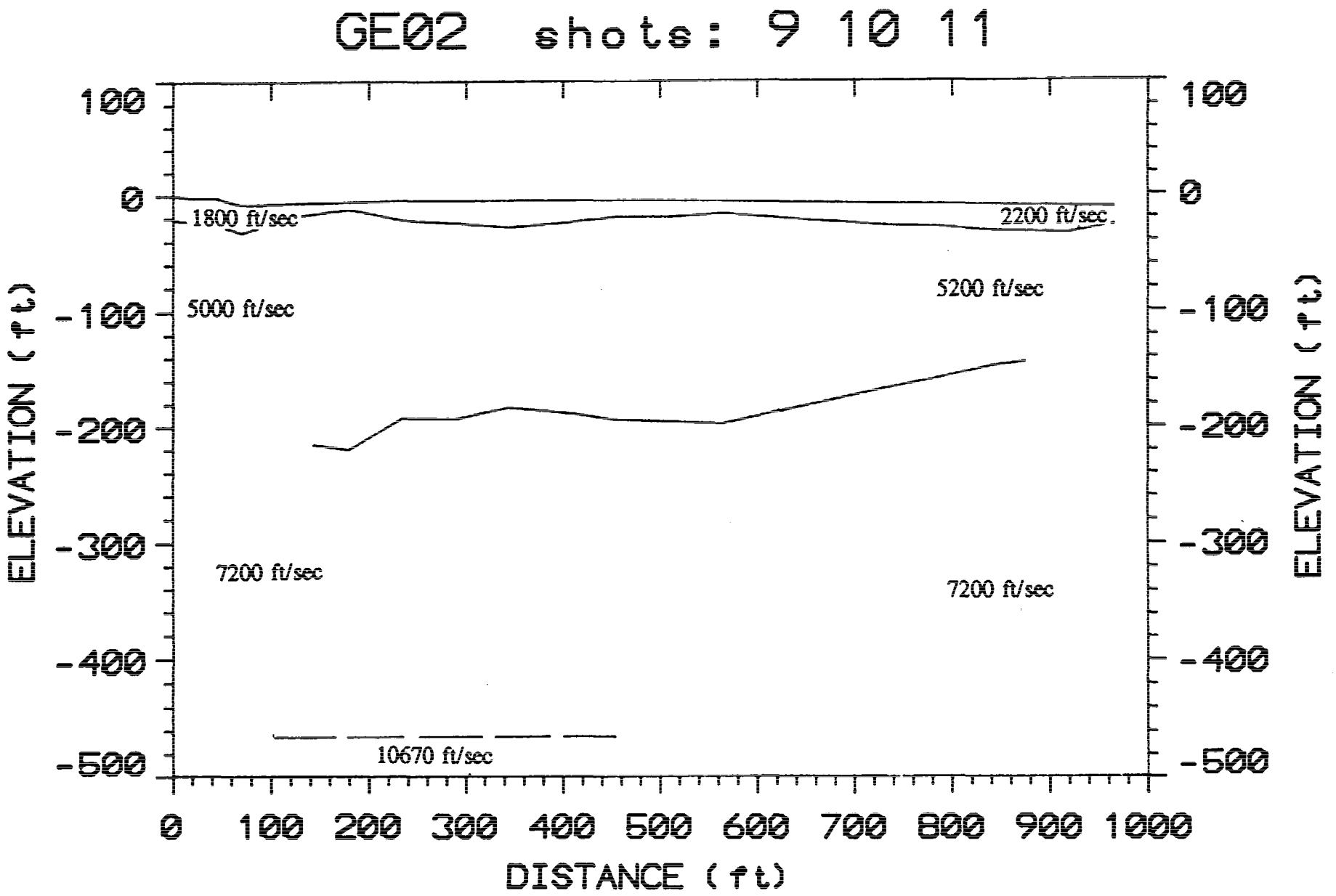


FIGURE 4-7

PREPARED BY GERAGHTY & MILLER, INC.

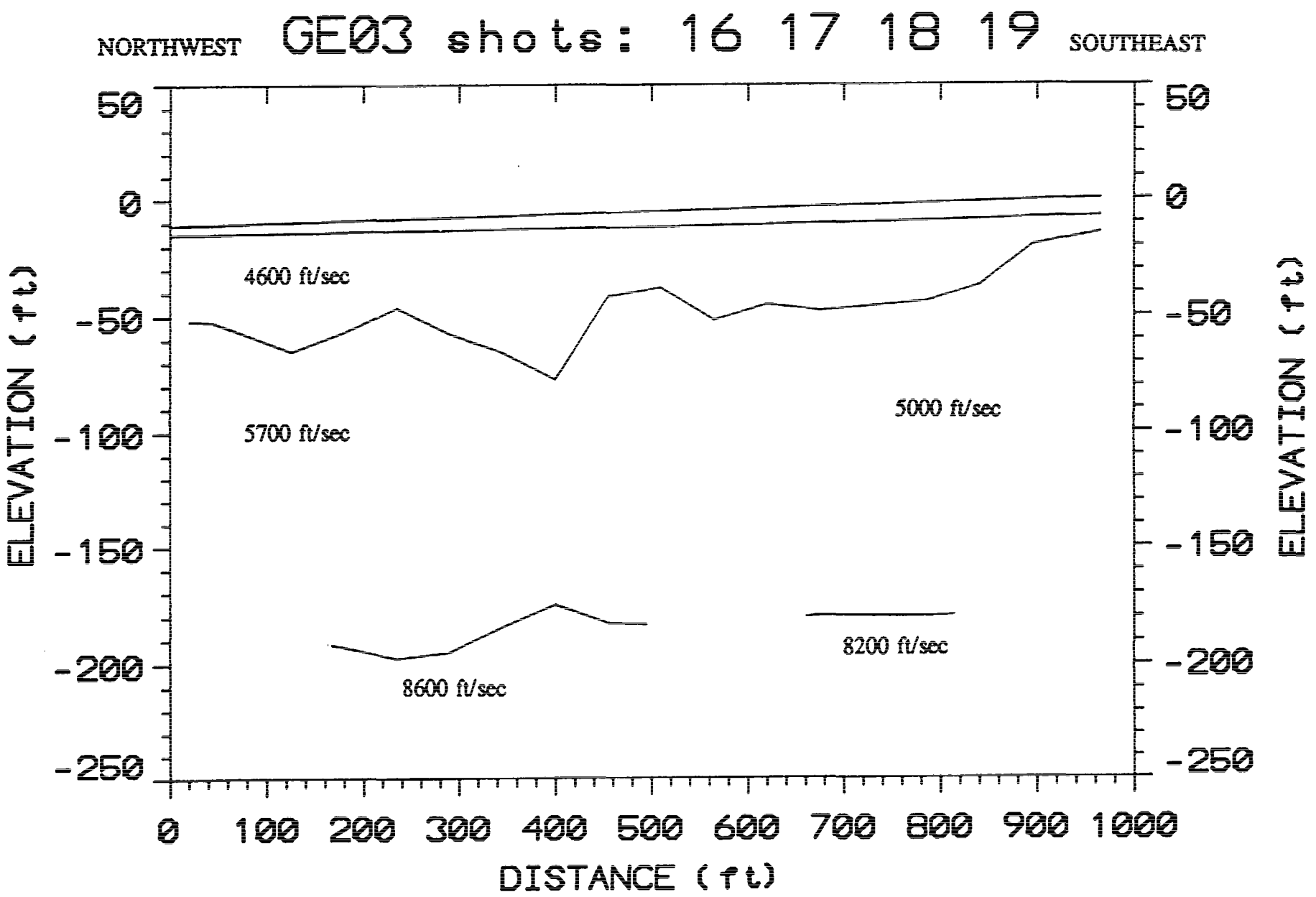
Depth Profile for Line GEO2, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.



PREPARED BY GERAGHTY & MILLER, INC.

FIGURE 4-8

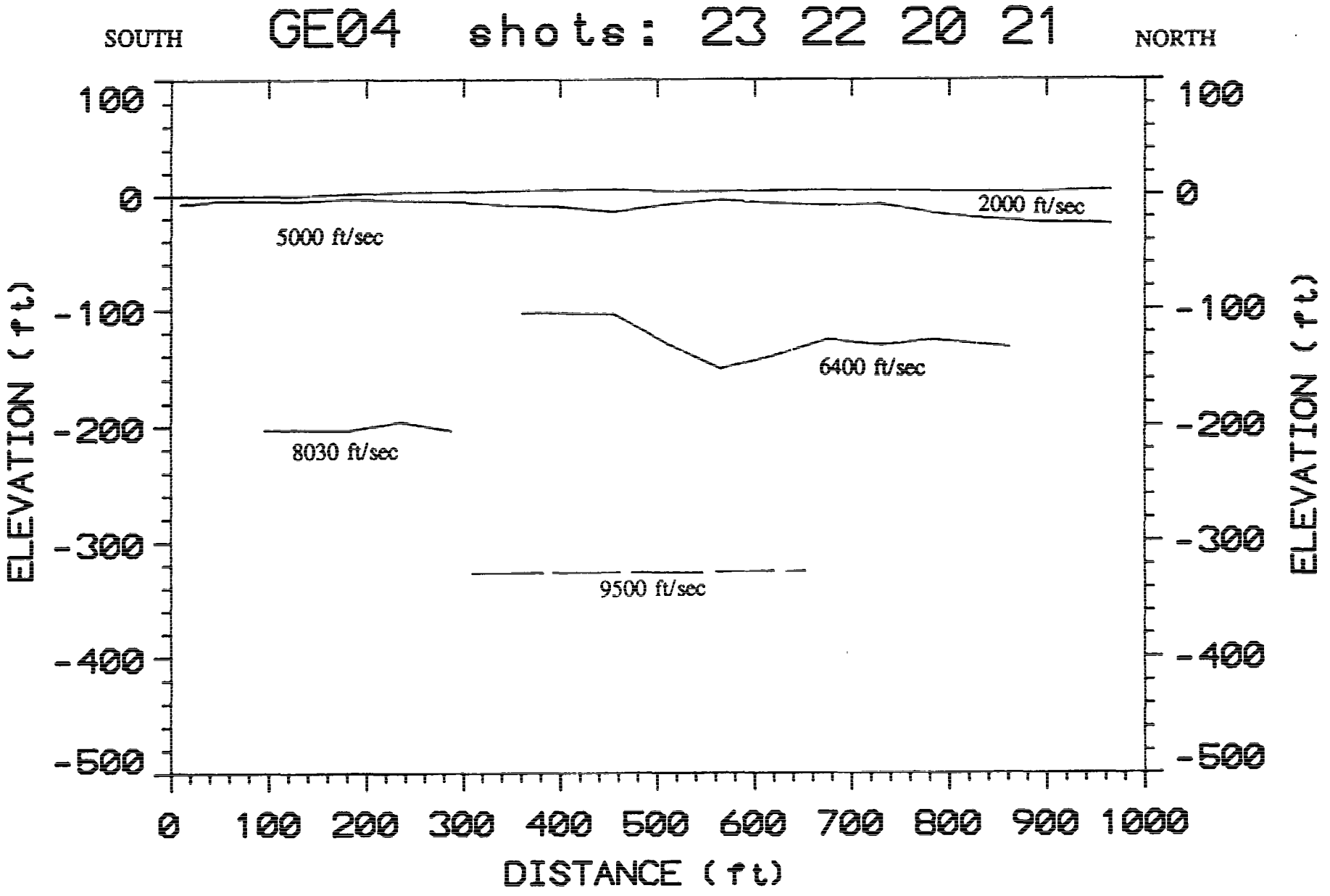
Depth Profile for Line GE03, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.



PREPARED BY GERAGHTY & MILLER, INC.

FIGURE 4-9

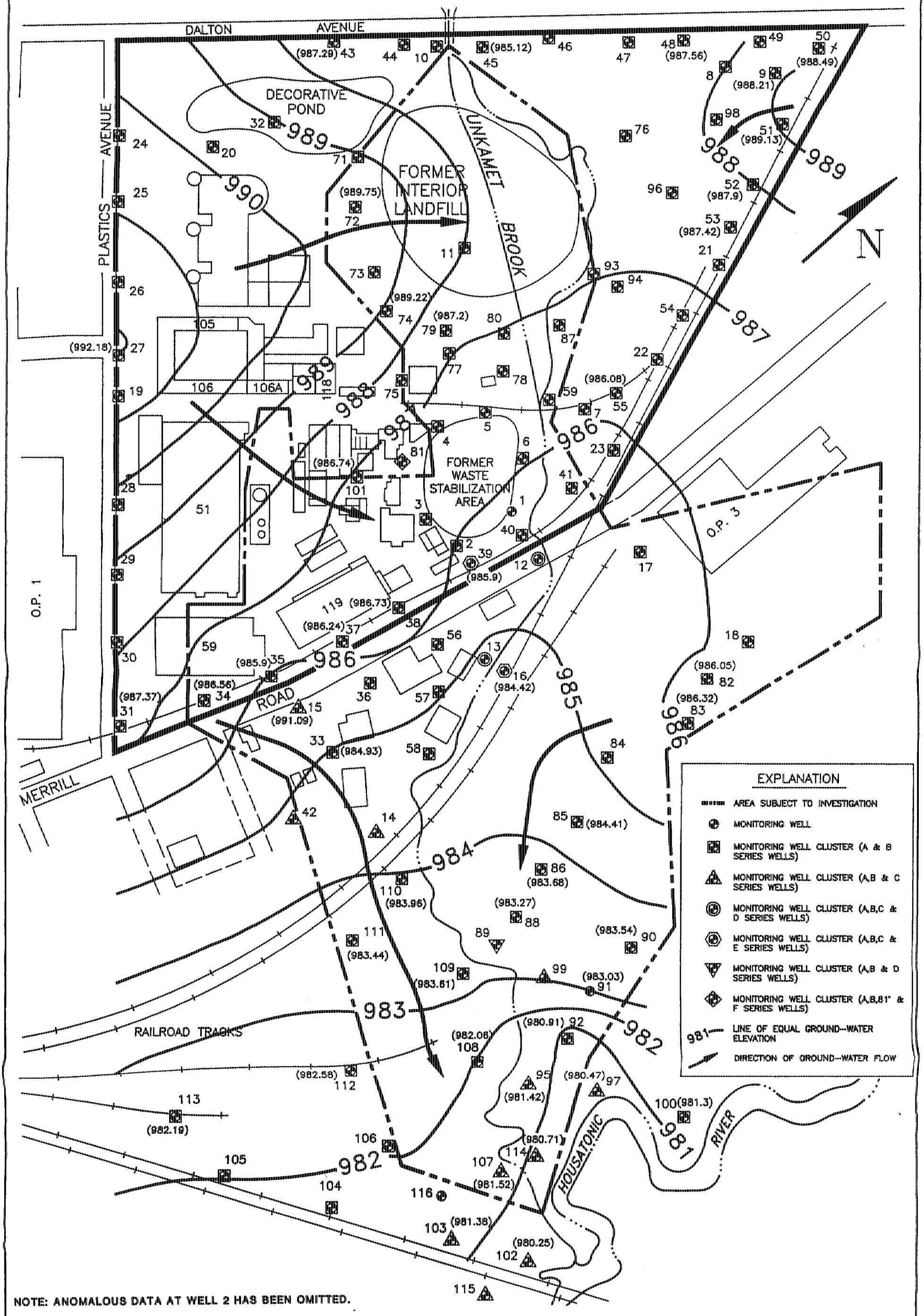
Depth Profile for Line GEO4, Unkamet Brook Area, GE Company, Pittsfield, Massachusetts.



PREPARED BY GERAGHTY & MILLER, INC.

FIGURE 4-10

DATE: JAN. 1992	PRJCT. NO.: AY05107	FILE NO.:	CAD FILE: G28BW	COMPILER: M. SANFORD	MGR.: M. SANFORD	DRAFTER: TAD



NOTE: ANOMALOUS DATA AT WELL 2 HAS BEEN OMITTED.

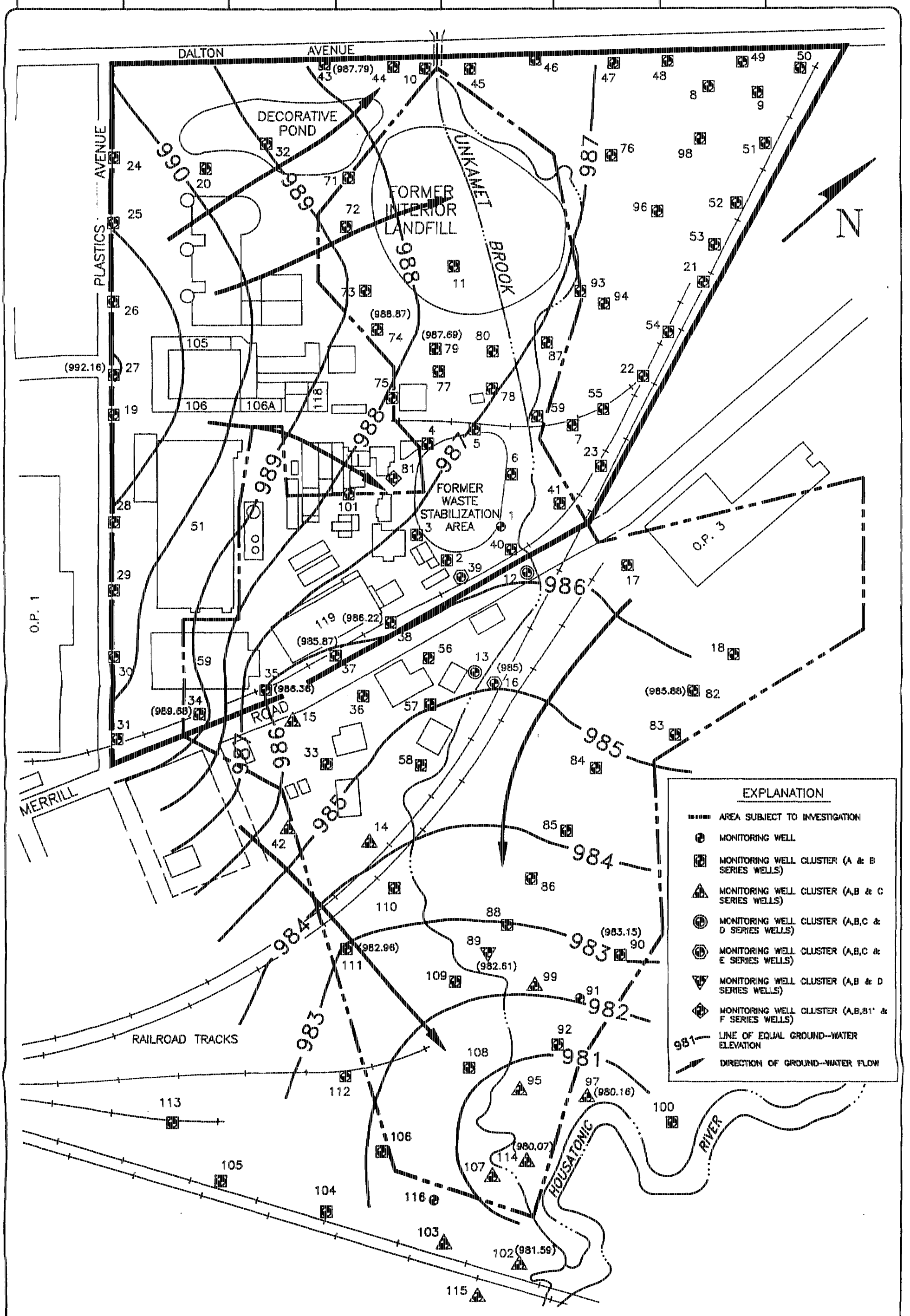
0 250 500
Scale in Feet

GERAGHTY & MILLER, INC.
Environmental Services

CONFIGURATION OF THE WATER TABLE – B WELLS, DECEMBER, 1990
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

FIGURE
4-11

DATE: JAN. 1992	PRJCT. NO.: AY05107	FILE NO.:	CAD FILE: G28BW	COMPILER: M. SANFORD	MGR.: M. SANFORD	DRAFTER: TAD



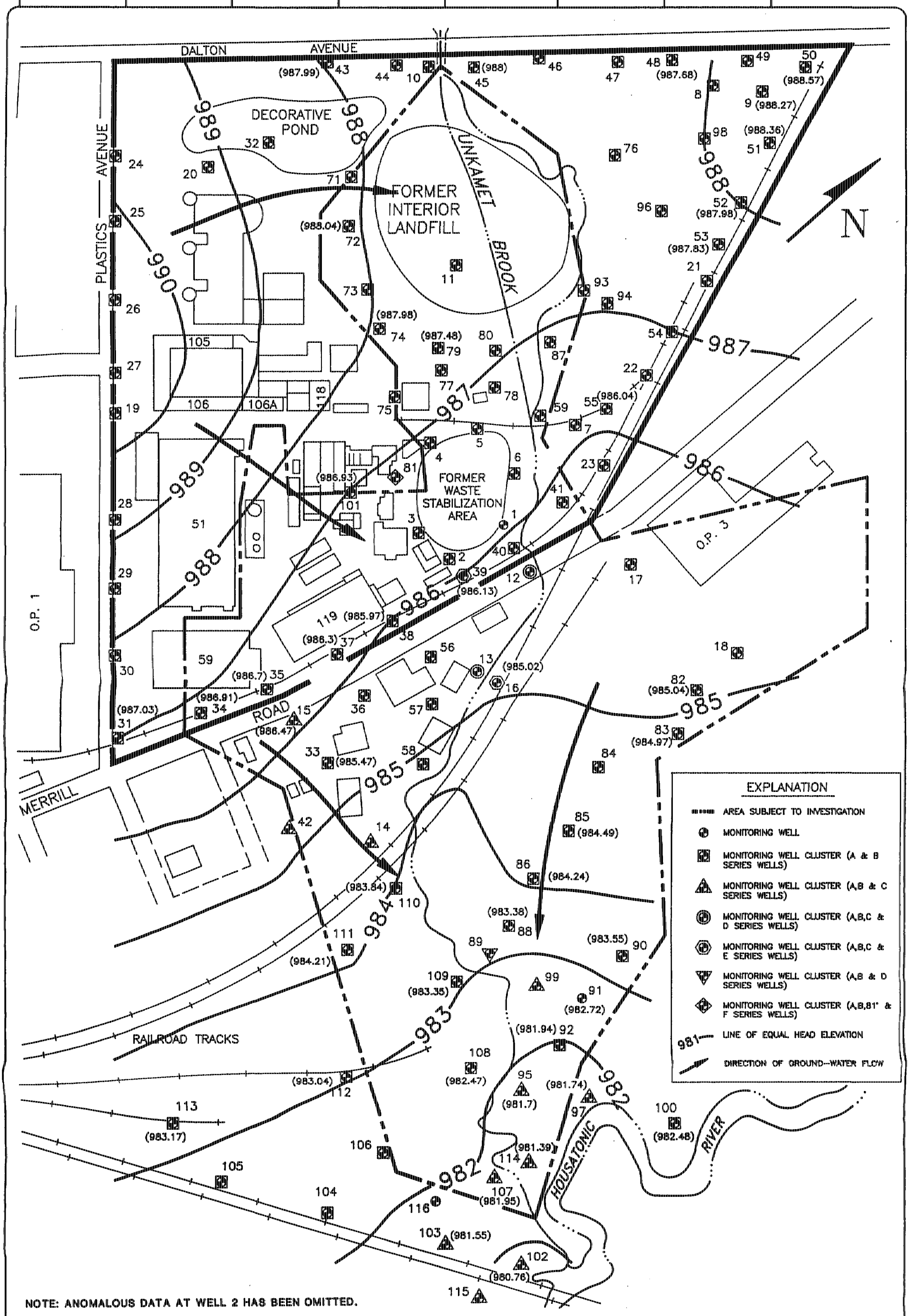
0 250 500
Scale in Feet

GERAGHTY & MILLER, INC.
Environmental Services

CONFIGURATION OF THE WATER TABLE -- B WELLS, FEBRUARY, 1991
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

FIGURE
4-12

DATE: JAN. 1992	PRJCT. NO.: AY05107	FILE NO.:	CAD FILE: G28AW	COMPILER: M. SANFORD	MGR.: M. SANFORD	DRAFTER: TAD



NOTE: ANOMALOUS DATA AT WELL 2 HAS BEEN OMITTED.

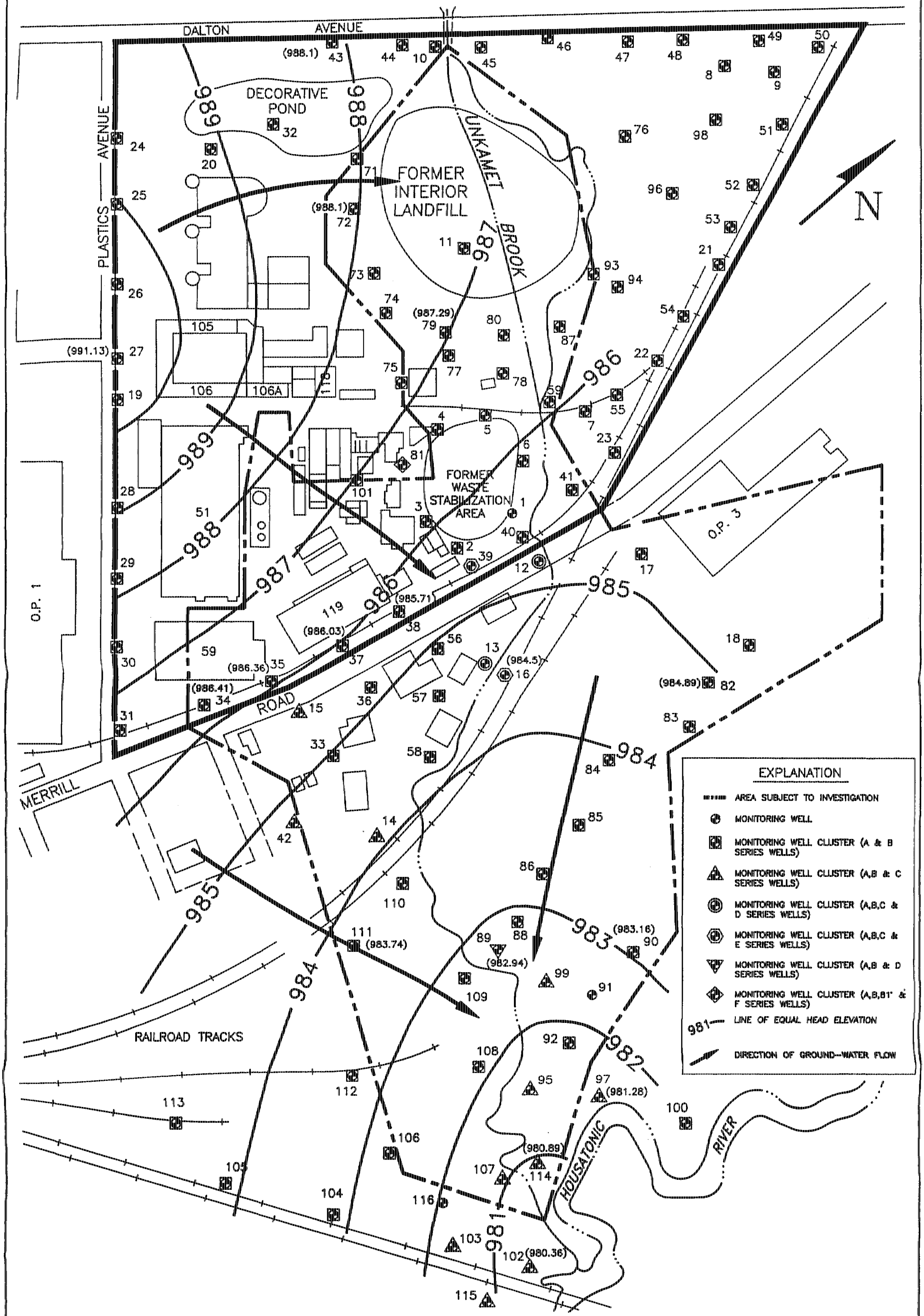
0 250 500
Scale in Feet

GERAGHTY & MILLER, INC.
Environmental Services

POTENTIOMETRIC SURFACE MAP — A WELLS, DECEMBER, 1990
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

FIGURE
4-13

DATE: JAN. 1992	PRJCT. NO.: AY05107	FILE NO.:	CAD FILE: G28AW	COMPILER: M. SANFORD	MGR.: M. SANFORD	DRAFTER: TAD



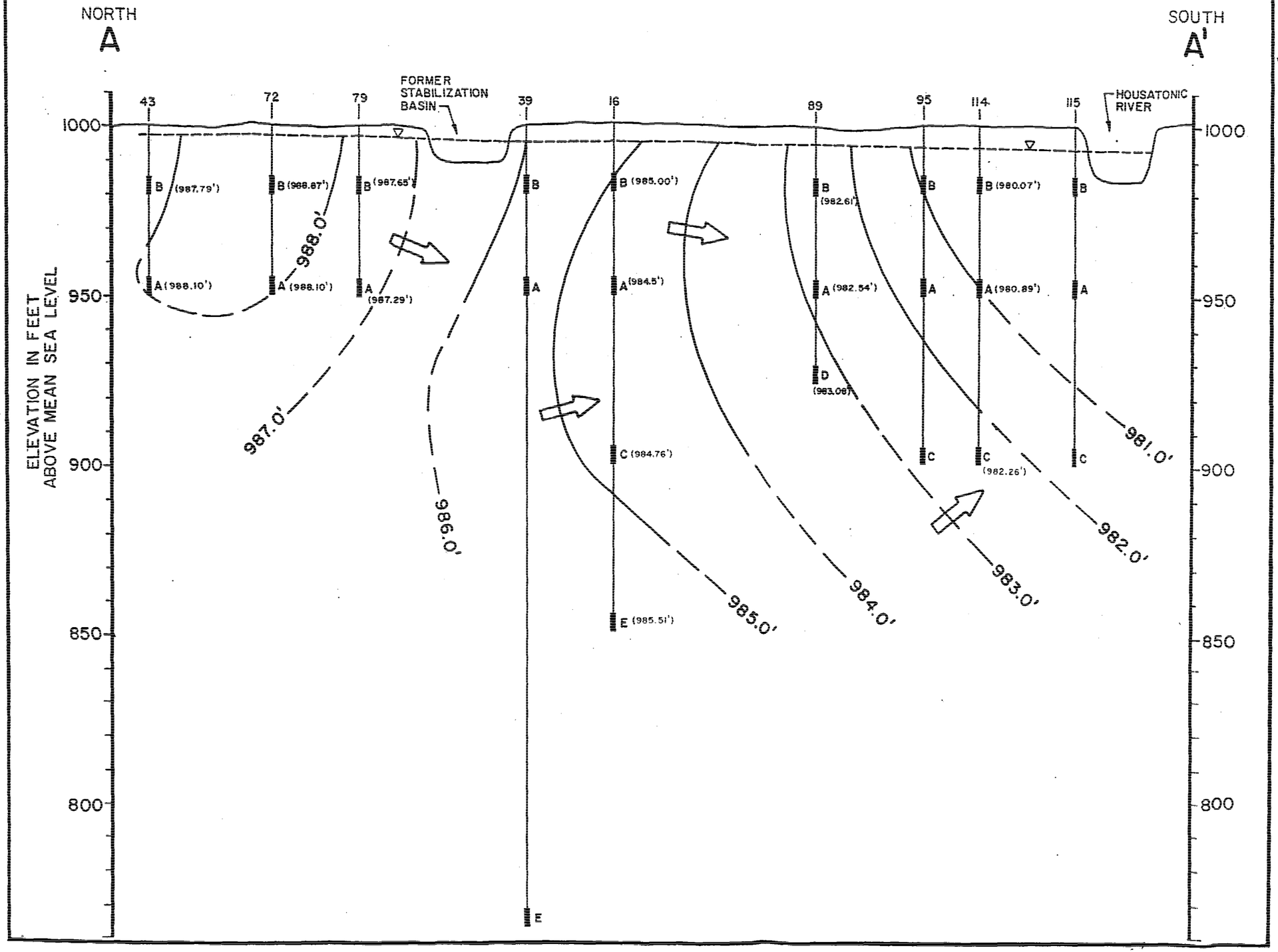
0 250 500
Scale in Feet

GERAGHTY & MILLER, INC.
Environmental Services

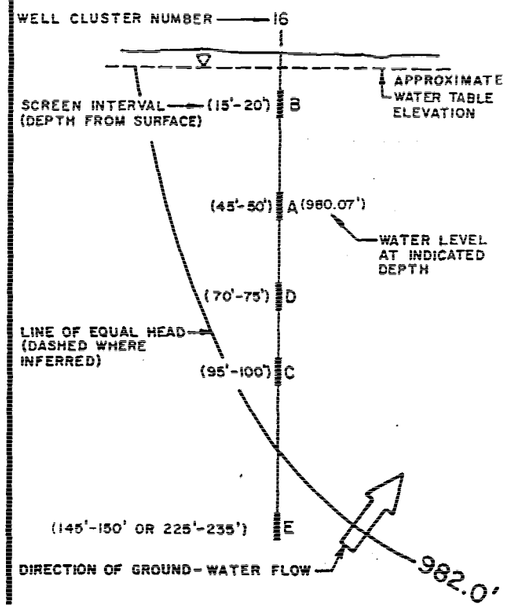
POTENTIOMETRIC SURFACE MAP — A WELLS, FEBRUARY, 1991
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

FIGURE
4-14

FIGURE 4-15



LEGEND



SCALE

400' 0 400' 800'

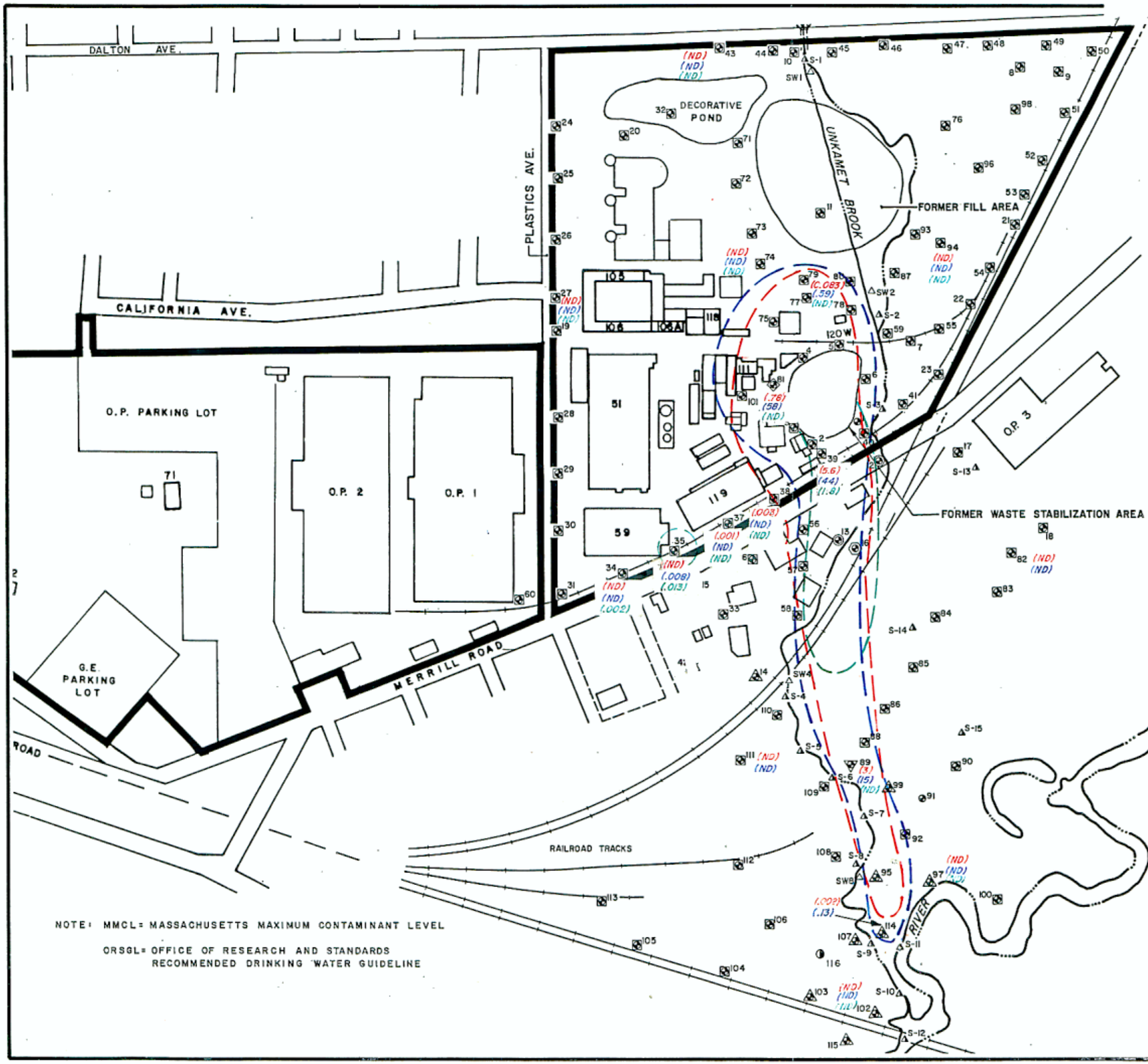
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASS.

MCP INTERIM PHASE II REPORT
FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY
FOR USEPA AREA 1

VERTICAL GROUND-WATER FLOW MAP
FEBRUARY 20-28, 1991

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS

FIGURE 4-16



LEGEND

- MONITORING WELL (B SERIES WELL)
- MONITORING WELL CLUSTER (A & B SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & C SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, C, & D SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, C, & E SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & D SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, 81°, & F SERIES WELLS)
- SURFACE WATER, SEDIMENT, AND STREAM GROUND-WATER SAMPLING LOCATION
- SURFACE WATER SAMPLING LOCATION
- MONITORING WELL (E SERIES WELL)
- BENZENE (MMCL - 0.005 ppm)
- CHLOROBENZENE (ORSGL - 0.10 ppm)
- TRICHLOROETHYLENE (MMCL - 0.005 ppm)
- (5.6) (44) (.002) CONCENTRATION LEVEL (ppm)

SCALE
200' 0 200' 400'

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASS.

MCP INTERIM PHASE II REPORT
FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY
FOR USEPA AREA 1

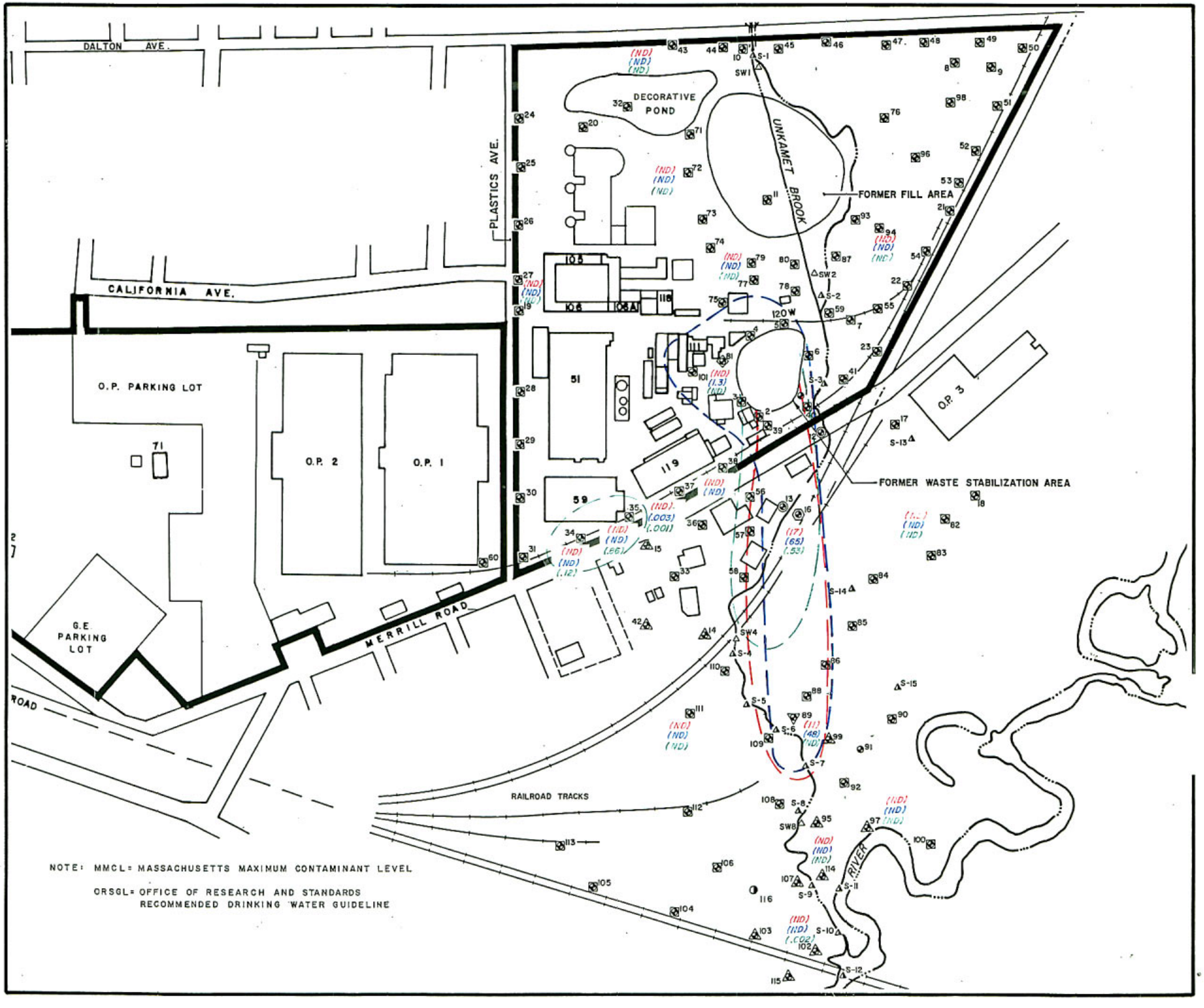
B-SERIES WELLS

CONCENTRATIONS OF BENZENE, CHLOROBENZENE AND TRICHLOROETHYLENE DETECTED ABOVE THE MMCL/ORSGL

FEBRUARY 20-28, 1991

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS

FIGURE 4-17



NOTE: MMCL = MASSACHUSETTS MAXIMUM CONTAMINANT LEVEL

ORSGL = OFFICE OF RESEARCH AND STANDARDS RECOMMENDED DRINKING WATER GUIDELINE

LEGEND

- MONITORING WELL (B SERIES WELL)
- MONITORING WELL CLUSTER (A & B SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & C SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, C, & D SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, C, & E SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, & D SERIES WELLS)
- MONITORING WELL CLUSTER (A, B, 81°, & F SERIES WELLS)
- SURFACE WATER, SEDIMENT, AND STREAM GROUND-WATER SAMPLING LOCATION
- SURFACE WATER SAMPLING LOCATION
- MONITORING WELL (E SERIES WELL)
- BENZENE (MMCL - 0.005 ppm)
- CHLOROBENZENE (ORSGL - 0.10 ppm)
- TRICHLOROETHYLENE (MMCL - 0.005 ppm)
- (.003)(ND)(ND) CONCENTRATION LEVEL (ppm)

SCALE

200' 0 200' 400'

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASS.

MCP INTERIM PHASE II REPORT
FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY
FOR USEPA AREA 1

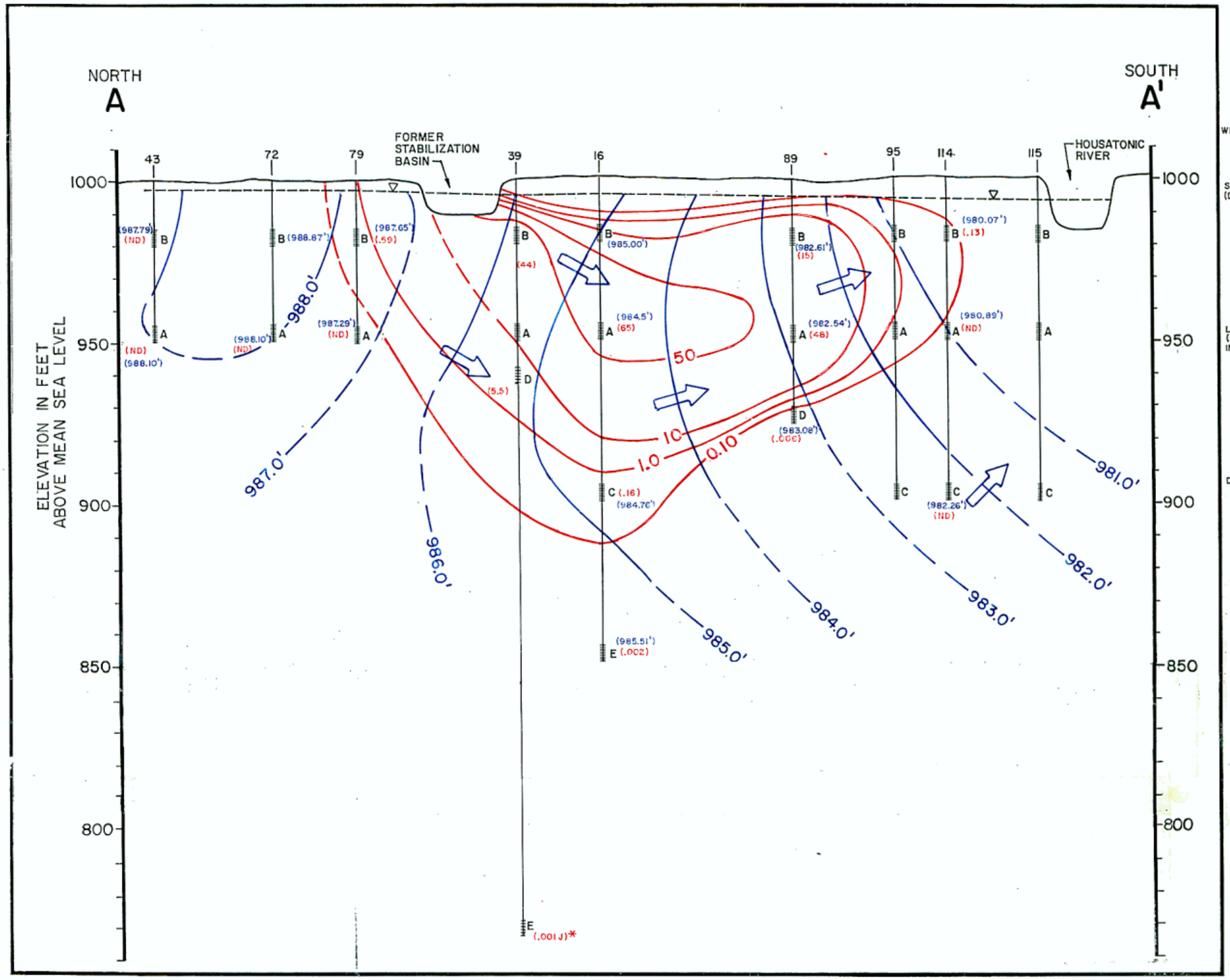
A-SERIES WELLS

CONCENTRATIONS OF BENZENE, CHLOROBENZENE AND TRICHLOROETHYLENE DETECTED ABOVE THE MMCL/ORSGL

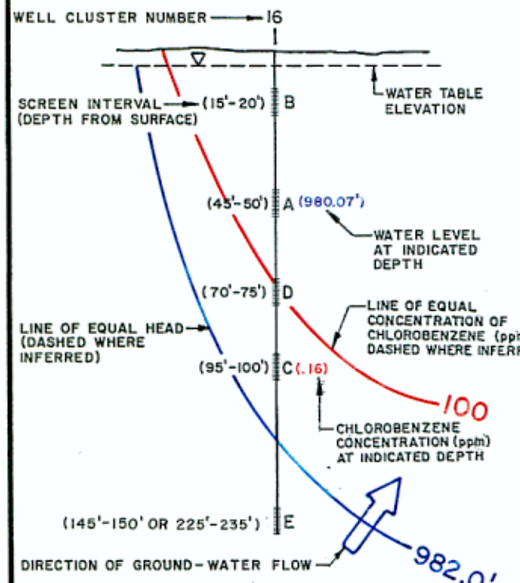
FEBRUARY 20-28, 1991

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS

FIGURE 4-18



LEGEND



NOTE: *SAMPLE COLLECTED ON FEB. 26, 1992

SCALE

400' 0' 400' 800'

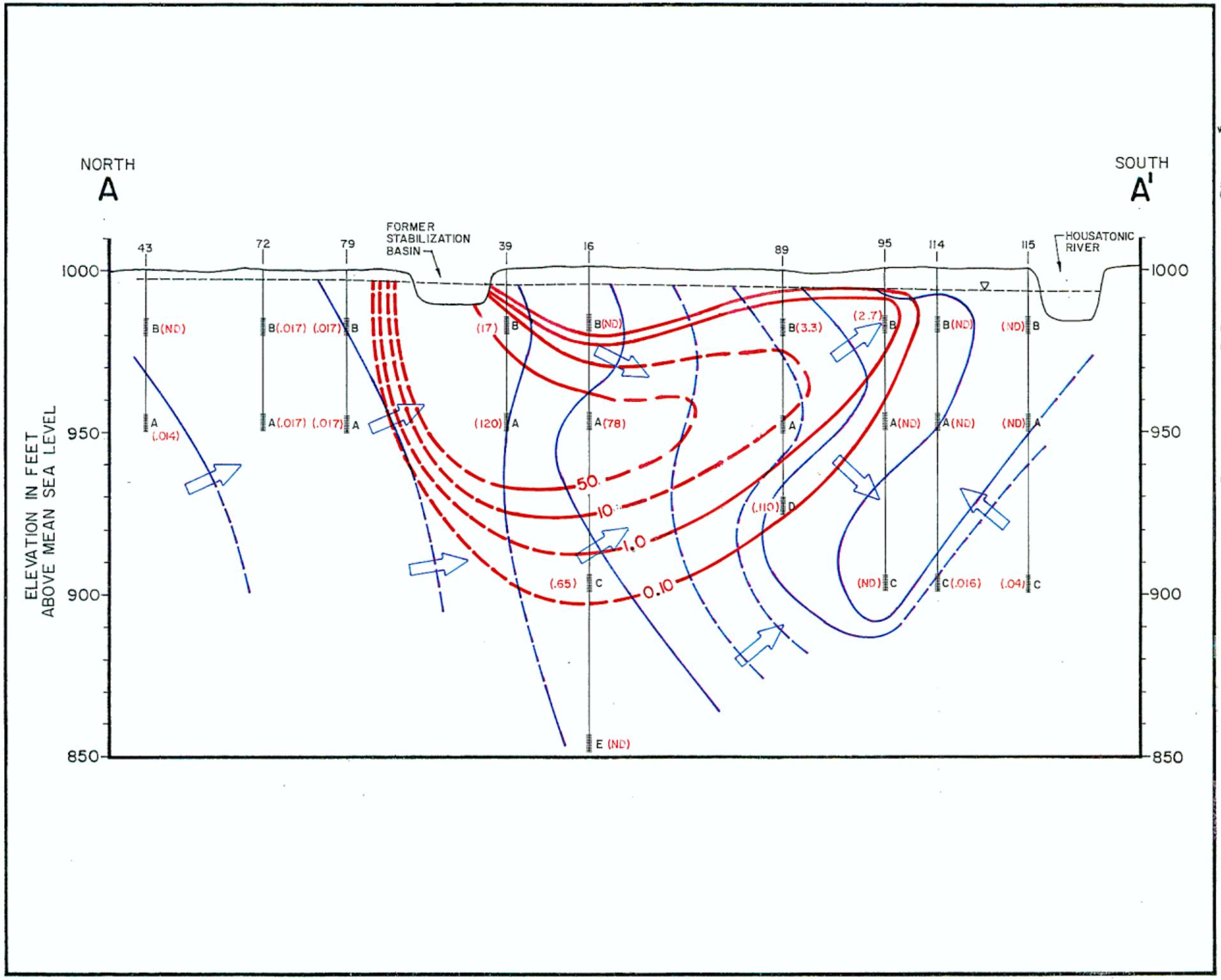
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASS.

MCP INTERIM PHASE II REPORT
FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY
FOR USEPA AREA 1

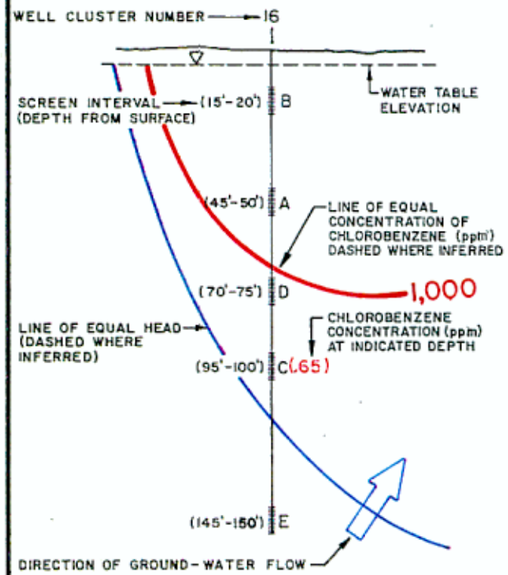
VERTICAL DISTRIBUTION OF CHLOROBENZENE FEBRUARY 20 - FEBRUARY 28, 1991

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS

FIGURE 4-19



LEGEND



SCALE

400' 0' 400' 800'

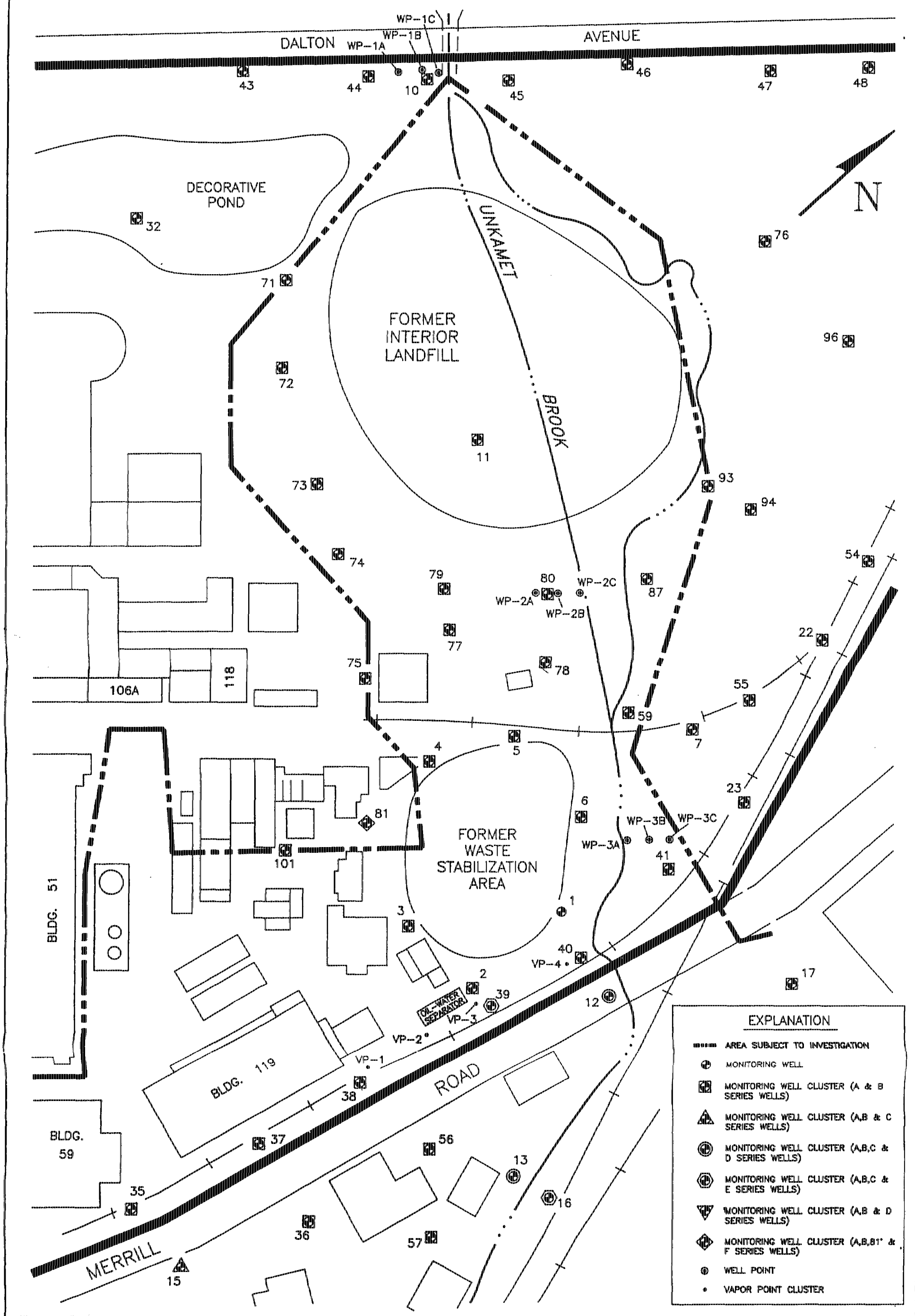
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASS.

MCP INTERIM PHASE II REPORT
FOR UNKAMET BROOK AREA AND
CURRENT ASSESSMENT SUMMARY
FOR USEPA AREA 1

VERTICAL DISTRIBUTION OF CHLOROBENZENE DECEMBER 7-8, 1983

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS

DATE: JAN. 1992	PRJCT. NO.: AY05107	FILE NO.:	CAD FILE: G28D	COMPILER: M. SANFORD	MGR.: M. SANFORD	DRAFTER: TAD



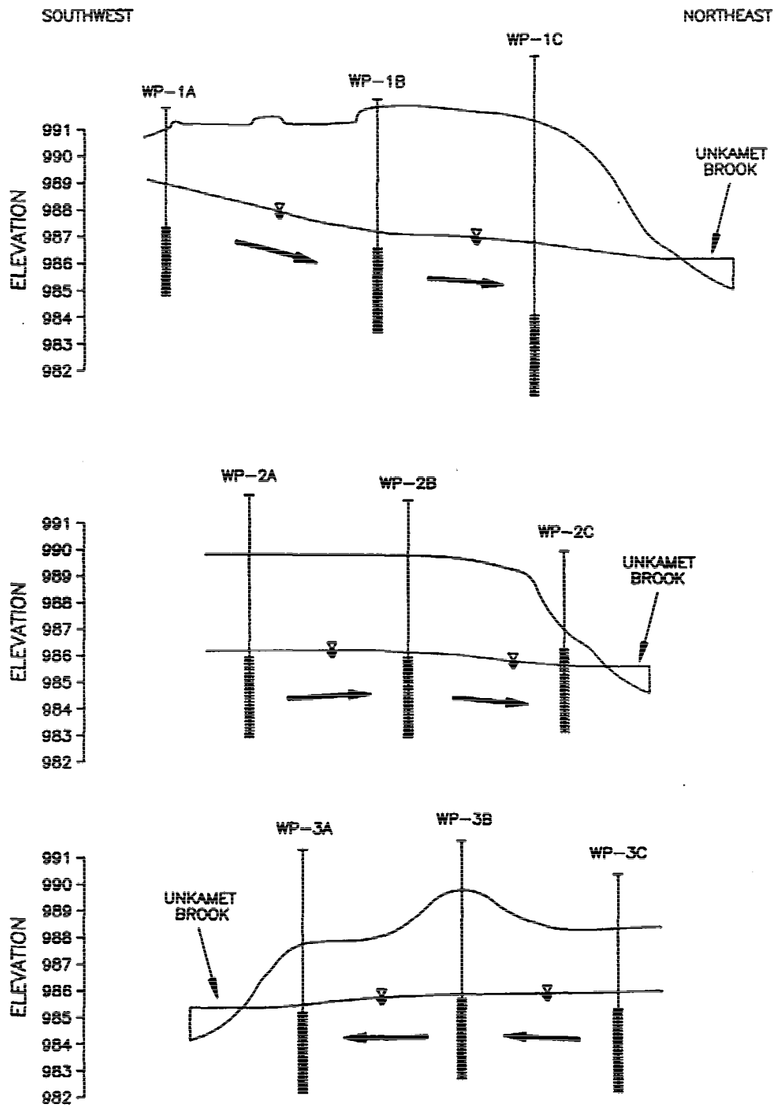
0 140 280
Scale in Feet

GERAGHTY & MILLER, INC.
Environmental Services

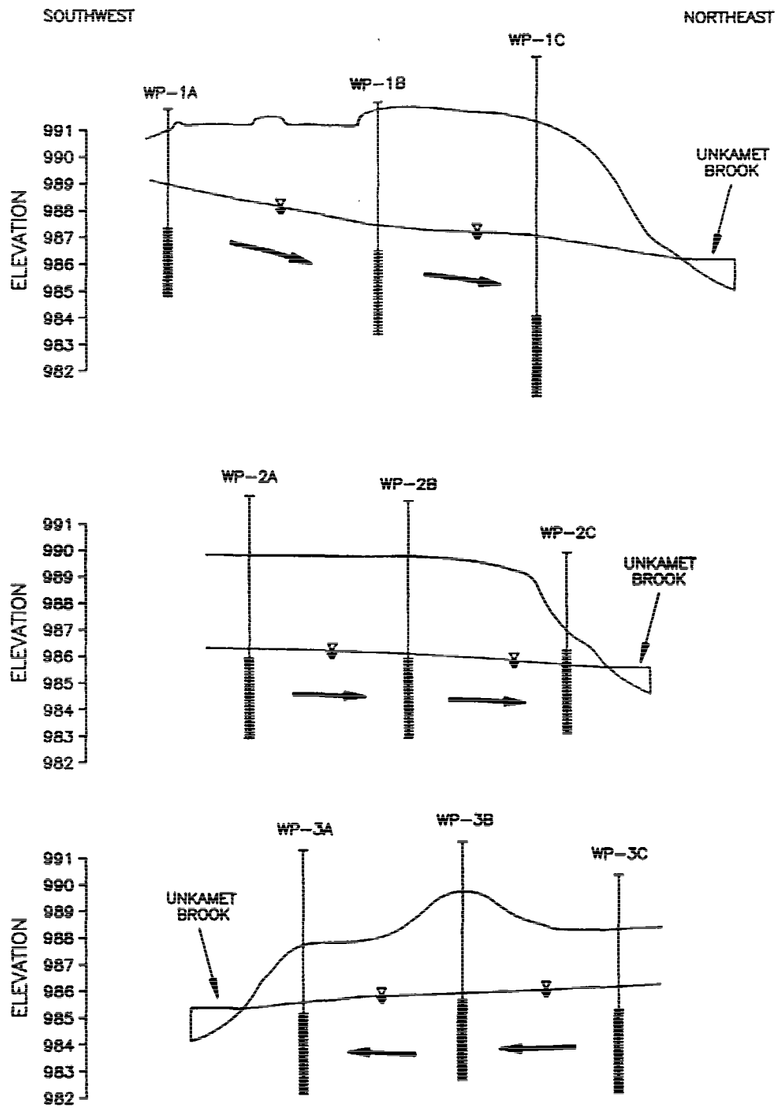
PREFERENTIAL PATHWAY ANALYSIS SAMPLING LOCATIONS
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

FIGURE
4-20

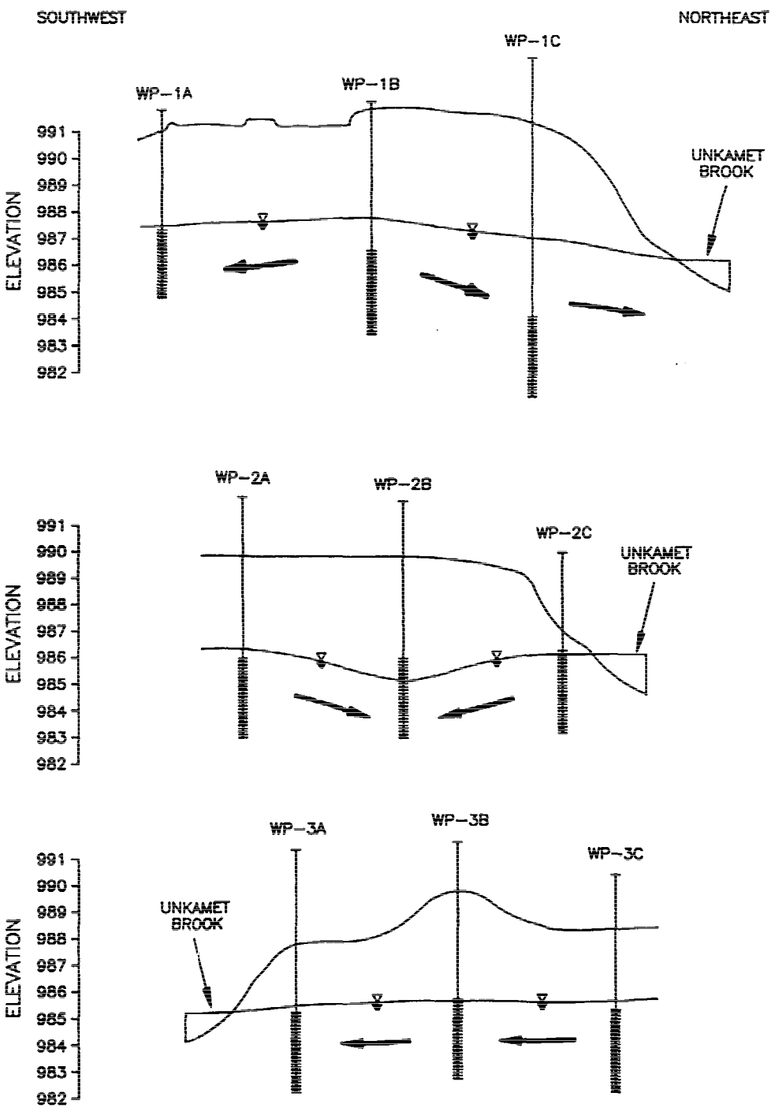
NOVEMBER 21, 1991

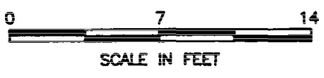


DECEMBER 2, 1991



JANUARY 23, 1992





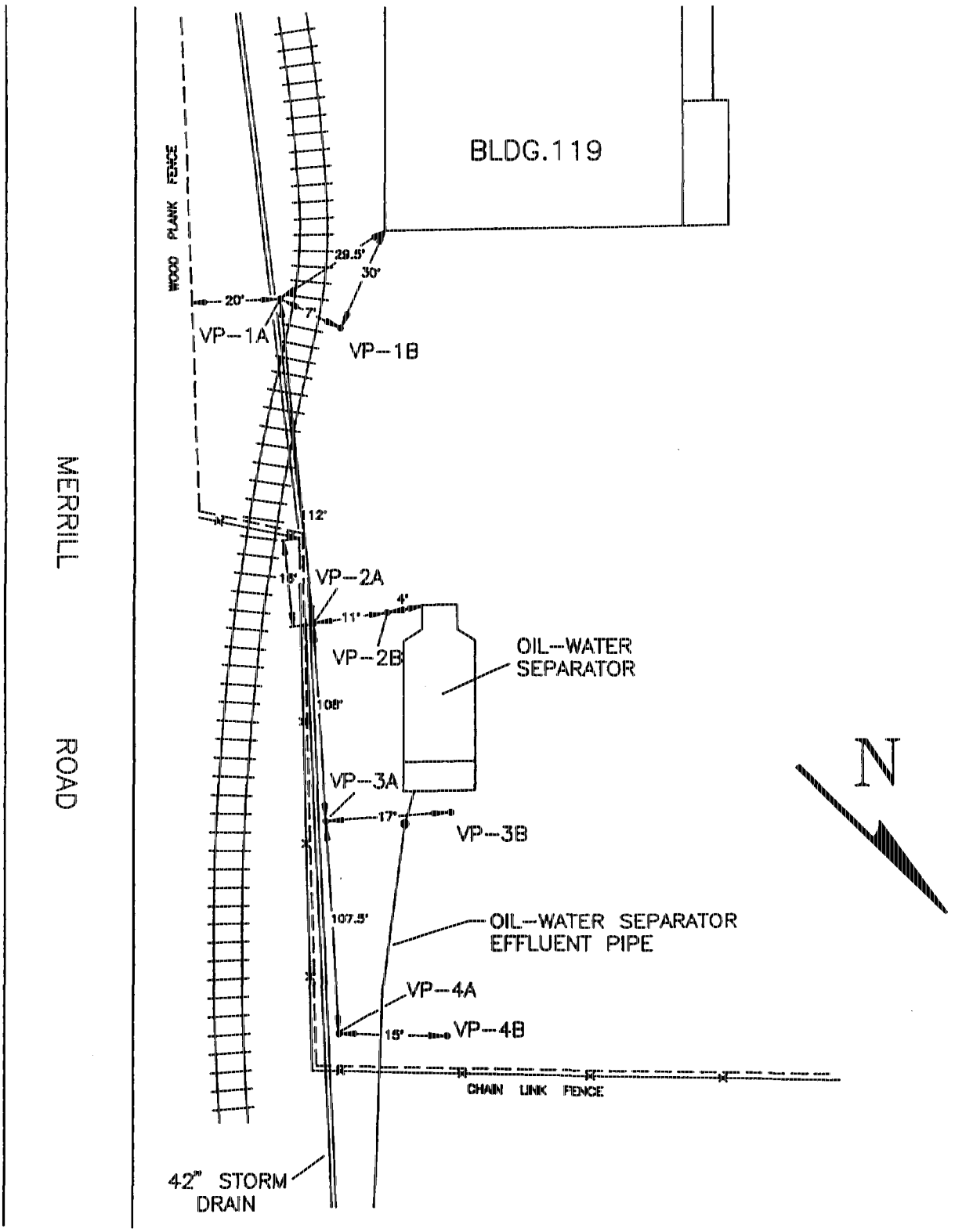
GERAGHTY & MILLER, INC.
Environmental Services

PROFILES OF WATER LEVELS IN WELL POINTS,
PREFERENTIAL PATHWAY ANALYSIS,
UNKAMET BROOK AREA, GE COMPANY
PITTSFIELD, MASSACHUSETTS

FIGURE
4-21

APRIL 1992
101.95.70

DWG DA: 5-92 | PROJCT NO.: AY05107 | FILE NO.: G28K | DRAWING: - | APPROVED: M. SANFORD | DRAFT: D/FJF | CHECKED: M. SANFORD



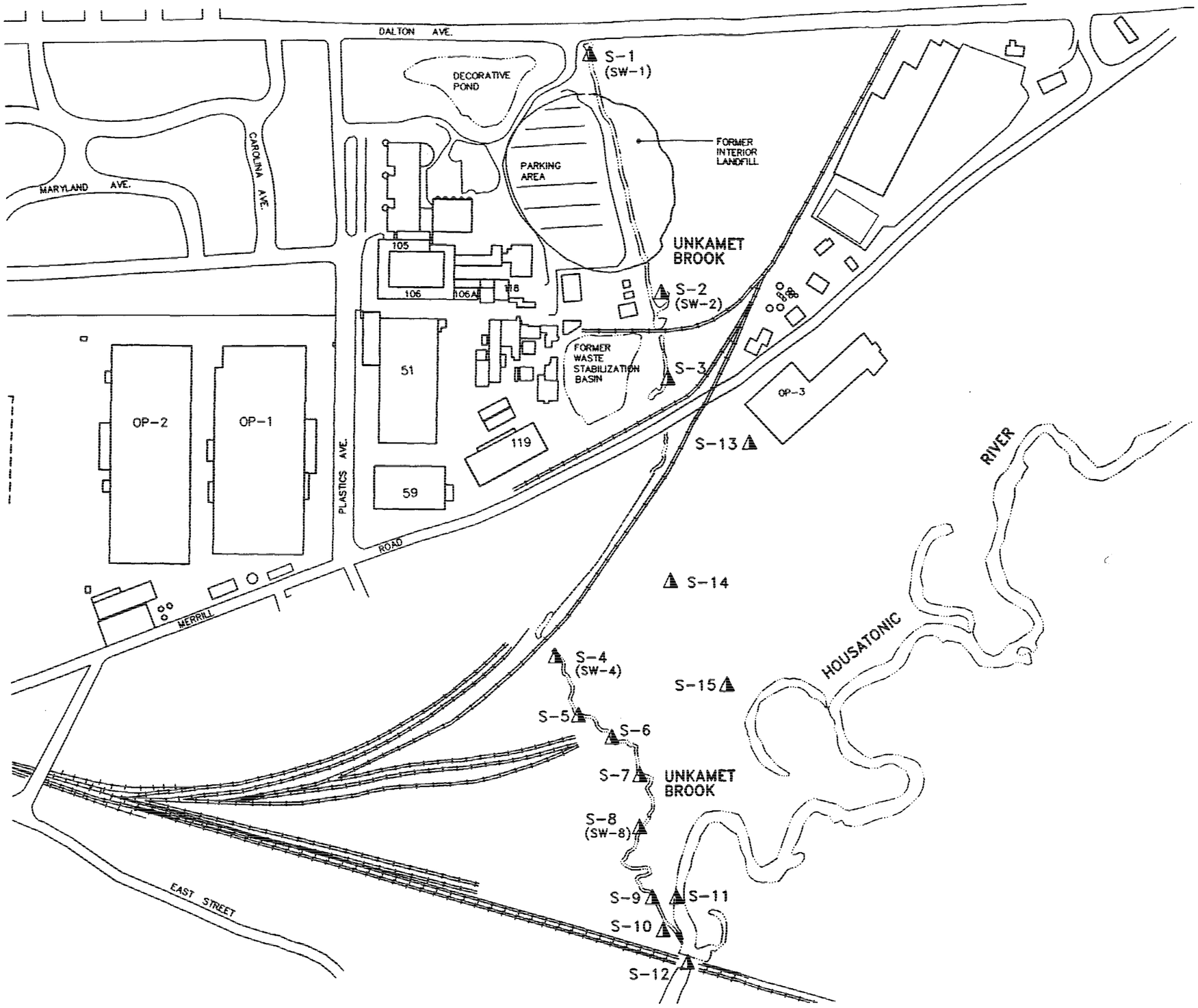
DRAFTER: T.
APPROVED: M. SANFORD
CHECKED: M. SANFORD
DRAWING:
FILE NO.: -
PROJECT NO.: AY05107
2-3-92
DWG

GERAGHTY & MILLER, INC.
Environmental Services

NOT TO SCALE

PREFERENTIAL PATHWAY ANALYSIS
SOIL GAS SAMPLE LOCATIONS
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

FIGURE
4-22



LEGEND:

▲ SURFACE WATER, AND STREAM GROUNDWATER SAMPLING LOCATION

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN APRIL 23, 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. ( ) – LOCATION DENOTATION WAS CHANGED FOR STUDIES PERFORMED SUBSEQUENT TO 1981 INVESTIGATIONS.

400' 0 400'

1" = 400'

X:10195X01
11/94 SA-YDC
10195030/10195G11.DWG

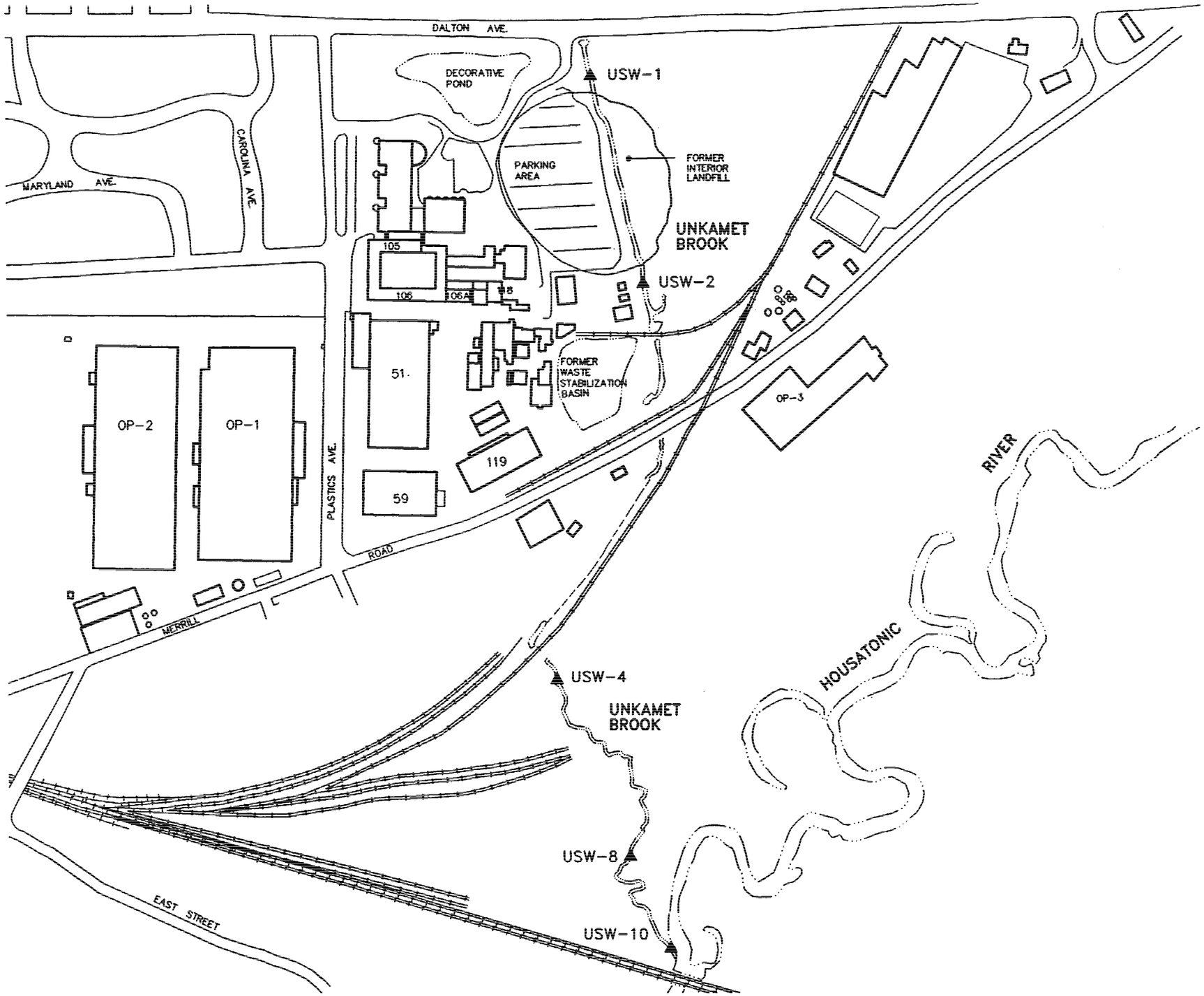
BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

SURFACE WATER SAMPLING LOCATIONS: 1981-1989

FIGURE **5-1**



LEGEND:

▲ USW-1 MCP SURFACE WATER SAMPLING LOCATION

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN TAKEN APRIL 23,1990.
2. LOCATIONS WERE SAMPLED AND ANALYZED FOR SELECT APPENDIX IX+3 CONSTITUENTS.

400' 0 400'

1" = 400'

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MCP PHASE II SURFACE WATER SAMPLING LOCATIONS

FIGURE **5-2**

X: 10195X01
11/94 S4-YDC
10195030/10195007.DWG

44	
DEPTH	PCB (ppm)
LAYER 1	3.6
LAYER 2	<1
LAYER 3	<1

41	
DEPTH	PCB (ppm)
LAYER 1	<1
LAYER 2	<1
LAYER 3	1.2
LAYER 4	<1

S-1-ABC	
DEPTH	PCB (ppm)
SURFACE	0.31

40	
DEPTH	PCB (ppm)
LAYER 1	1.2
LAYER 2	2.6
LAYER 3	31.4
LAYER 4	<1

39	
DEPTH	PCB (ppm)
LAYER 1	2.7
LAYER 2	6.3
LAYER 3	57.4
LAYER 4	<1

37	
DEPTH	PCB (ppm)
LAYER 1	18.4
LAYER 2	28.5
LAYER 3	113

38	
DEPTH	PCB (ppm)
LAYER 1	5.6
LAYER 2	83.8

36	
DEPTH	PCB (ppm)
LAYER 1	140.1
LAYER 2	365.5
LAYER 3	296.5
LAYER 4	167.8

35	
DEPTH	PCB (ppm)
LAYER 1	27
LAYER 2	245.2
LAYER 3	84.3
LAYER 4	76.4

S-2-ABC	
DEPTH	PCB (ppm)
SURFACE	54

34	
DEPTH	PCB (ppm)
LAYER 1	63.7
LAYER 2	244.4
LAYER 3	<1

33	
DEPTH	PCB (ppm)
LAYER 1	389.8
LAYER 2	137.8
LAYER 3	135

28	
DEPTH	PCB (ppm)
LAYER 1	9.2
LAYER 2	99.6
LAYER 3	<1

32	
DEPTH	PCB (ppm)
LAYER 1	421
LAYER 2	75.9

S-3-ABCD	
DEPTH	PCB (ppm)
SURFACE	1.5

31	
DEPTH	PCB (ppm)
LAYER 1	86.8
LAYER 2	80.0
LAYER 3	<1

30	
DEPTH	PCB (ppm)
LAYER 1	76.1
LAYER 2	46.1
LAYER 3	43.7
LAYER 4	<1

27	
DEPTH	PCB (ppm)
LAYER 1	15.2
LAYER 2	57.9
LAYER 3	<1
LAYER 4	97
LAYER 5	25.3

29	
DEPTH	PCB (ppm)
LAYER 1	55.3
LAYER 2	<1
LAYER 3	<1

26	
DEPTH	PCB (ppm)
LAYER 1	22.5
LAYER 2	56.1
LAYER 3	31.3
LAYER 4	29.1
LAYER 5	218.6

S-13-E	
DEPTH	PCB (ppm)
SURFACE	4.6

25	
DEPTH	PCB (ppm)
LAYER 1	9.3
LAYER 2	4.7
LAYER 3	<1

24	
DEPTH	PCB (ppm)
LAYER 1	7.5
LAYER 2	19.5
LAYER 3	<1

44
41
S-1
40
39
38
37
36
35
34
33
S-2
32
31
30
29
28
S-3
27
26
25
24
S-13

DALTON AVE.
UNKAMET BROOK
PARKING AREA
FORMER INTERIOR LANDFILL
FORMER WASTE STABILIZATION BASIN
OP-3
PLASTICS AVE.
118
119
59

MATCH LINE SEE FIG.6-2

LEGEND:

▲ S-1 1981 SOIL/SEDIMENT SAMPLING LOCATION (COMPOSITE CORE PCB CONCENTRATIONS IN DRY WEIGHT ppm)

● 44 1982 SEDIMENT SAMPLING LOCATION (COMPOSITE CORE PCB CONCENTRATIONS IN DRY WEIGHT ppm)

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN APRIL 23, 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. LAYER – REPRESENTS SEQUENCE OF LAYERS FROM TOP TO BOTTOM. LIKE MATERIALS FROM VARIOUS DEPTHS WERE SUBJECT TO COMPOSITE ANALYSIS.

200' 0 200'

1" = 200'

X:\10185030\
11/94 SA-YCC
10185030/10195014.DWG

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ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

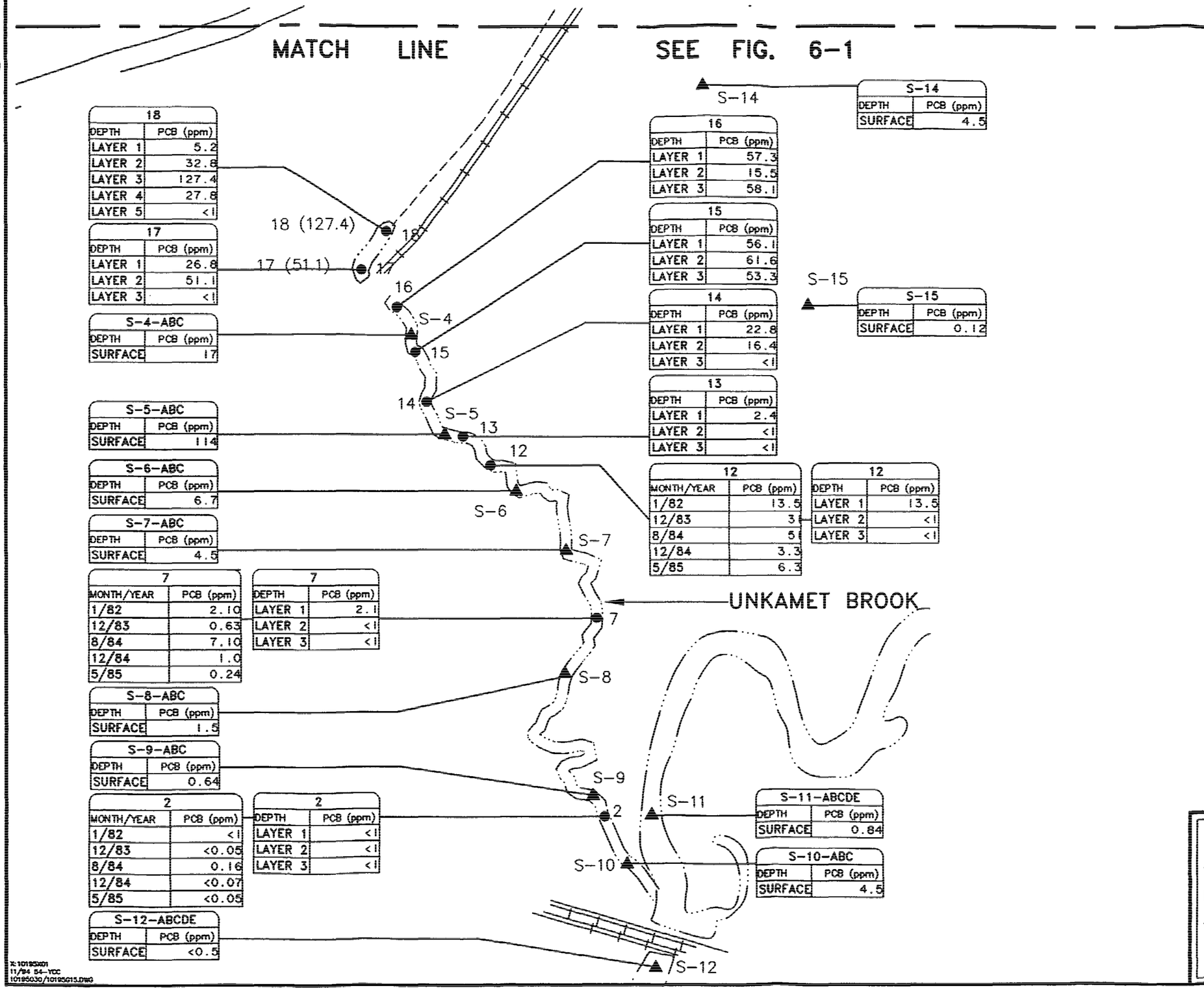
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

PRE-MCP SEDIMENT SAMPLING LOCATIONS

FIGURE 6-1

MATCH LINE

SEE FIG. 6-1



18	
DEPTH	PCB (ppm)
LAYER 1	5.2
LAYER 2	32.8
LAYER 3	127.4
LAYER 4	27.8
LAYER 5	<1

17	
DEPTH	PCB (ppm)
LAYER 1	26.8
LAYER 2	51.1
LAYER 3	<1

S-4-ABC	
DEPTH	PCB (ppm)
SURFACE	17

S-5-ABC	
DEPTH	PCB (ppm)
SURFACE	114

S-6-ABC	
DEPTH	PCB (ppm)
SURFACE	6.7

S-7-ABC	
DEPTH	PCB (ppm)
SURFACE	4.5

7	
MONTH/YEAR	PCB (ppm)
1/82	2.10
12/83	0.63
8/84	7.10
12/84	1.0
5/85	0.24

7	
DEPTH	PCB (ppm)
LAYER 1	2.1
LAYER 2	<1
LAYER 3	<1

S-8-ABC	
DEPTH	PCB (ppm)
SURFACE	1.5

S-9-ABC	
DEPTH	PCB (ppm)
SURFACE	0.64

2	
MONTH/YEAR	PCB (ppm)
1/82	<1
12/83	<0.05
8/84	0.16
12/84	<0.07
5/85	<0.05

2	
DEPTH	PCB (ppm)
LAYER 1	<1
LAYER 2	<1
LAYER 3	<1

S-12-ABCDE	
DEPTH	PCB (ppm)
SURFACE	<0.5

16	
DEPTH	PCB (ppm)
LAYER 1	57.3
LAYER 2	15.5
LAYER 3	58.1

15	
DEPTH	PCB (ppm)
LAYER 1	56.1
LAYER 2	61.6
LAYER 3	53.3

14	
DEPTH	PCB (ppm)
LAYER 1	22.8
LAYER 2	16.4
LAYER 3	<1

13	
DEPTH	PCB (ppm)
LAYER 1	2.4
LAYER 2	<1
LAYER 3	<1

12	
MONTH/YEAR	PCB (ppm)
1/82	13.5
12/83	3
8/84	5
12/84	3.3
5/85	6.3

12	
DEPTH	PCB (ppm)
LAYER 1	13.5
LAYER 2	<1
LAYER 3	<1

S-14	
DEPTH	PCB (ppm)
SURFACE	4.5

S-15	
DEPTH	PCB (ppm)
SURFACE	0.12

S-11-ABCDE	
DEPTH	PCB (ppm)
SURFACE	0.84

S-10-ABC	
DEPTH	PCB (ppm)
SURFACE	4.5

LEGEND:

▲ S-1 1981 SOIL/SEDIMENT SAMPLING LOCATION (COMPOSITE CORE PCB CONCENTRATIONS IN DRY WEIGHT ppm)

● 44 1982 SEDIMENT SAMPLING LOCATION (COMPOSITE CORE PCB CONCENTRATIONS IN DRY WEIGHT ppm)

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN APRIL 23, 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. LAYER- REPRESENTS SEQUENCE OF LAYERS FROM TOP TO BOTTOM LIKE MATERIALS FROM VARIOUS DEPTHS WERE SUBJECT TO COMPOSITE ANALYSIS.

200' 0 200'

1" = 200'

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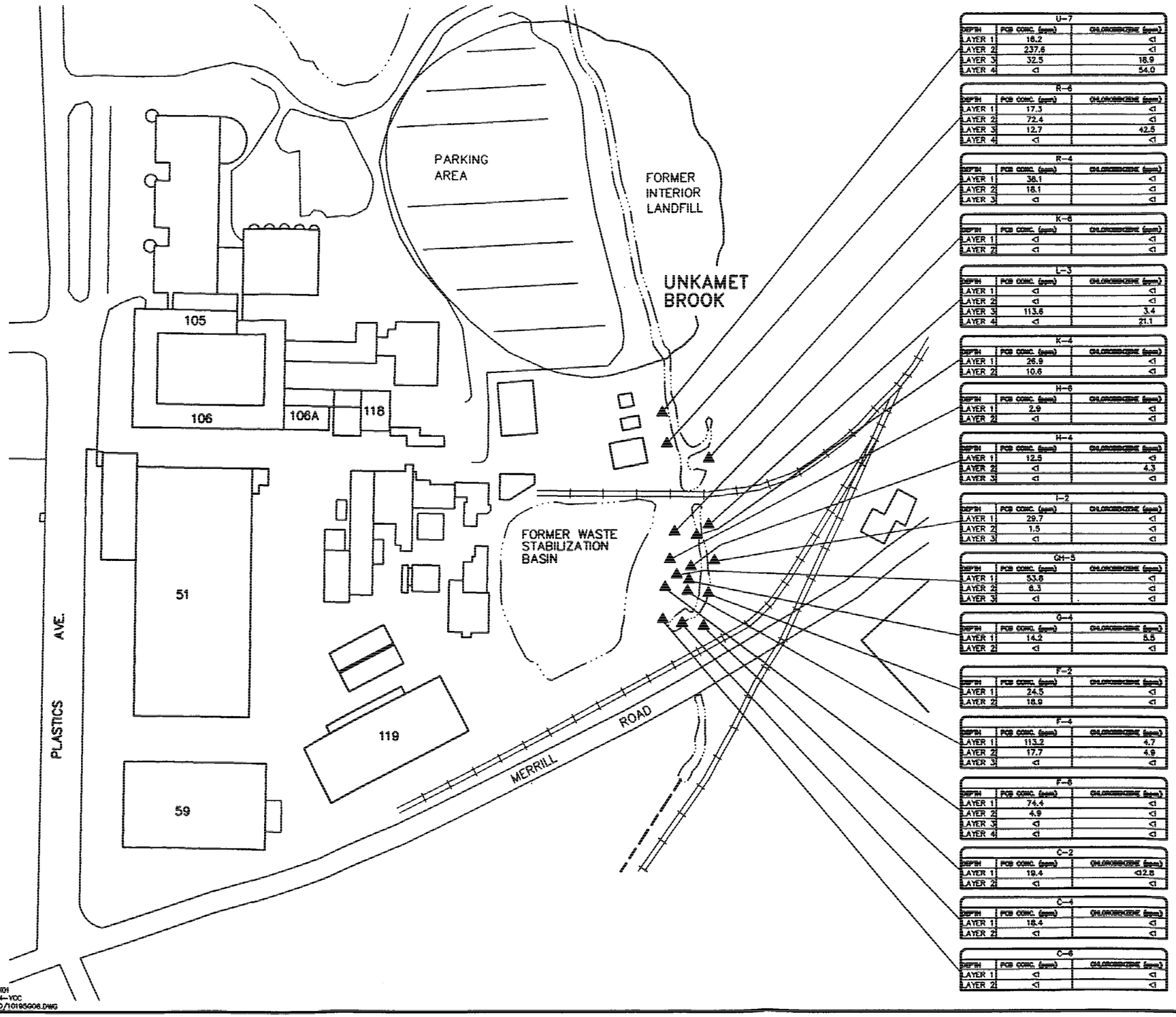
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

PRE-MCP SEDIMENT SAMPLING LOCATIONS

FIGURE **6-2**

X:\10195030\
11/84 S4-YCC
10195030/10195G15.DWG



U-7		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	16.2	<1
LAYER 2	237.6	<1
LAYER 3	32.5	18.9
LAYER 4	<1	54.0

R-6		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	17.3	<1
LAYER 2	72.4	<1
LAYER 3	12.7	42.5
LAYER 4	<1	<1

R-4		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	38.1	<1
LAYER 2	18.1	<1
LAYER 3	<1	<1

K-6		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	<1	<1
LAYER 2	<1	<1

L-3		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	<1	<1
LAYER 2	<1	<1
LAYER 3	113.6	3.4
LAYER 4	<1	21.1

K-4		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	26.9	<1
LAYER 2	10.6	<1

H-6		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	2.9	<1
LAYER 2	<1	<1

H-4		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	12.5	<1
LAYER 2	<1	4.3
LAYER 3	<1	<1

I-2		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	29.7	<1
LAYER 2	1.5	<1
LAYER 3	<1	<1

GH-5		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	53.8	<1
LAYER 2	6.3	<1
LAYER 3	<1	<1

G-4		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	14.2	5.5
LAYER 2	<1	<1

F-2		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	24.5	<1
LAYER 2	18.9	<1

F-4		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	113.2	4.7
LAYER 2	17.7	4.9
LAYER 3	<1	<1

F-6		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	74.4	<1
LAYER 2	4.9	<1
LAYER 3	<1	<1
LAYER 4	<1	<1

C-2		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	19.4	<12.8
LAYER 2	<1	<1

C-4		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	18.4	<1
LAYER 2	<1	<1

C-6		
DEPTH	PCB CONC. (ppm)	CHLOROBENZENE (ppm)
LAYER 1	<1	<1
LAYER 2	<1	<1

LEGEND:

▲ 1982 BOG AREA SAMPLING LOCATION

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN APRIL 23, 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. REFERENCE: O'BRIEN & GERE, JUNE 1982.

200' 0 200'

1" = 200'

X: 101953001
11/94 64-YDC
101950030/10195G06.DWG

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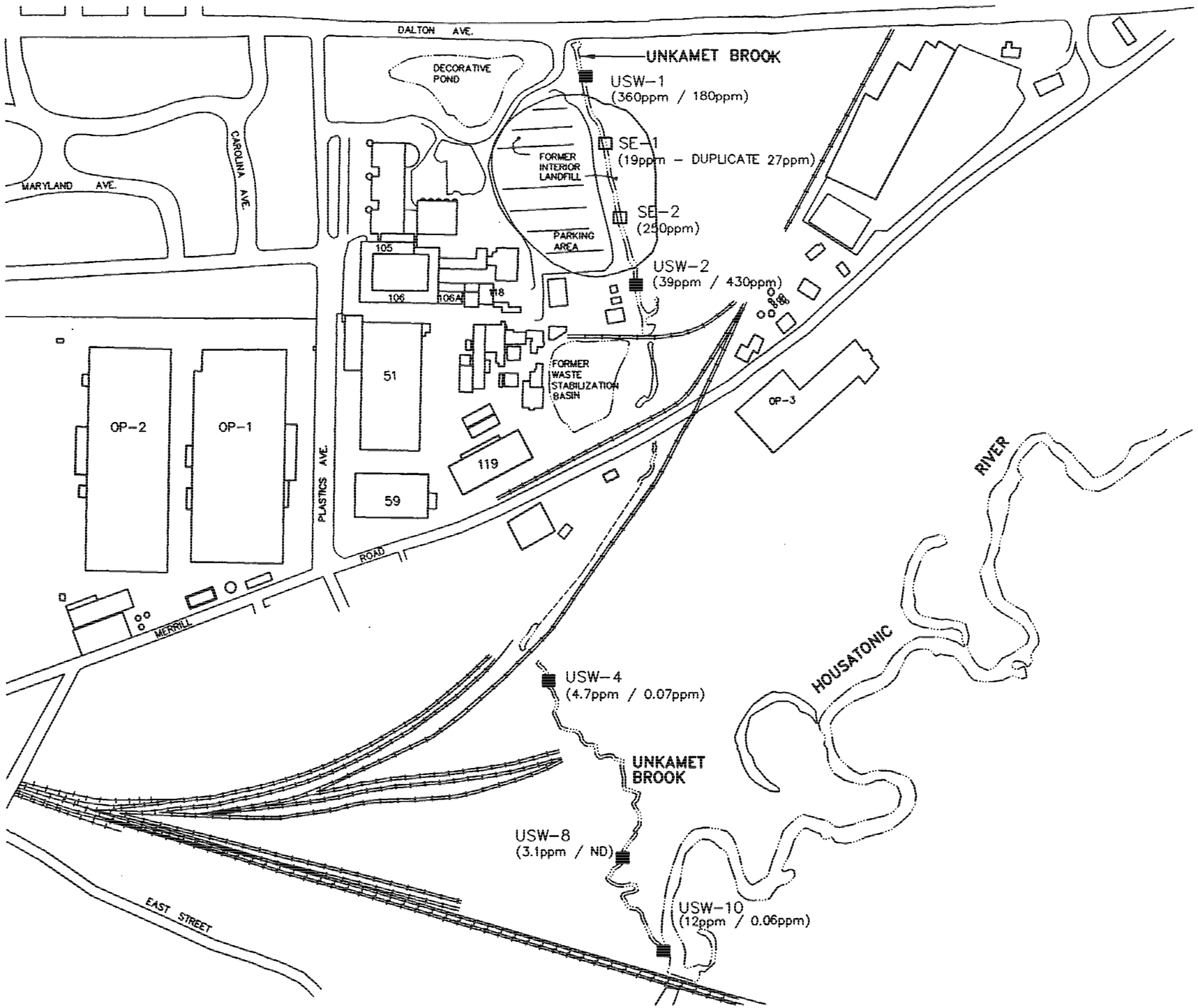
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

1982 BOG AREA SAMPLING LOCATIONS

FIGURE 6-3



LEGEND:

■ USW-1 (360ppm/180ppm)	MCP SEDIMENT SAMPLING LOCATION (TOTAL PCB CONC. 0"-6" / 6"-12")
□ SE-1 (19ppm)	MCP SEDIMENT SAMPLING LOCATION (TOTAL PCB CONC. 0' – 2')

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN APRIL 23, 1990.
2. LOCATIONS USW-1, USW-2, USW-4, USW-8, AND USW-10 WERE SAMPLED AND ANALYZED FOR SELECT APPENDIX IX + 3 CONSTITUENTS.
3. LOCATION SE-1 AND SE-2 WERE SAMPLED AND ANALYZED FOR ALL APPENDIX IX + 3 CONSTITUENTS.
4. PCB CONCENTRATIONS ARE REPORTED IN DRY WEIGHT ppm.
5. ALL SAMPLE LOCATIONS ARE APPROXIMATE.

400' 0 400'

1" = 400'

X:\10195X01
11/94 54-YOC
10195030/10195009.DWG

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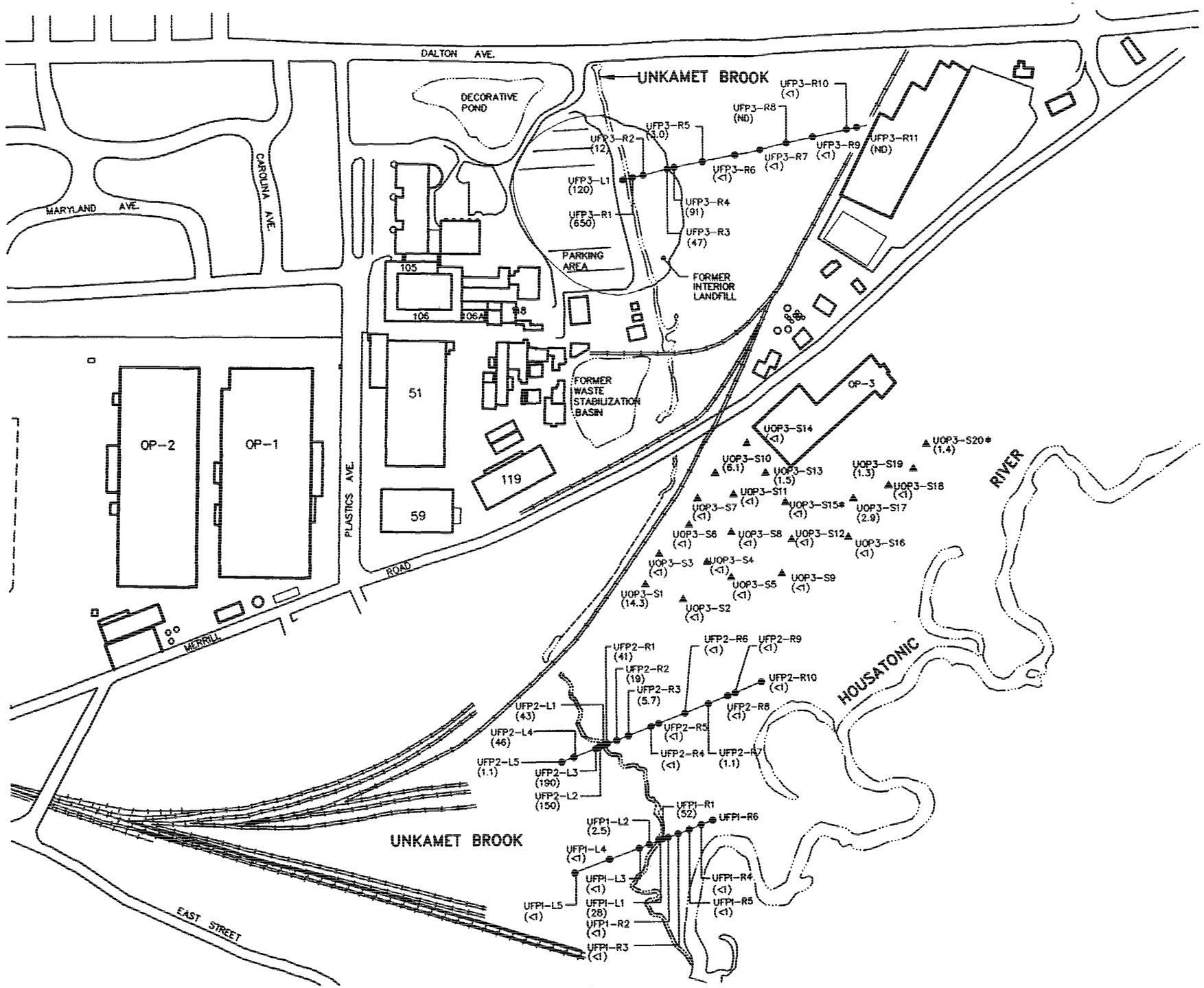
GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MCP PHASE II SEDIMENT SAMPLING LOCATIONS

FIGURE **6-4**



LEGEND:

UFPI–L1 (43) — MCP FLOODPLAIN TRANSCECT AND SAMPLING LOCATION (TOTAL PCB CONCENTRATION IN DRY–WEIGHT ppm)

▲ UOP3–S1 (14.3) — MCP SURFICIAL SOIL SAMPLING LOCATION (TOTAL PCB CONCENTRATION IN DRY–WEIGHT ppm)

NOTES:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN TAKEN APRIL 23,1990.
2. ALL SAMPLES WERE COLLECTED FROM A DEPTH 0 TO 12 INCHES BELOW THE SURFACE.
3. ALL SAMPLES WERE ANALYZED FOR PCBs.
4. SOME SAMPLES WERE ANALYZED FOR SELECT APPENDIX IX + 3 CONSTITUENTS BASED ON PID SCREENING.
5. *—THESE SAMPLES WERE ANALYZED FOR ALL APPENDIX IX + 3 CONSTITUENTS.
6. ND– NOT DETECTED
7. SAMPLE LOCATIONS ARE APPROXIMATE.

400' 0 400'

APPRX. SCALE:1" = 400'

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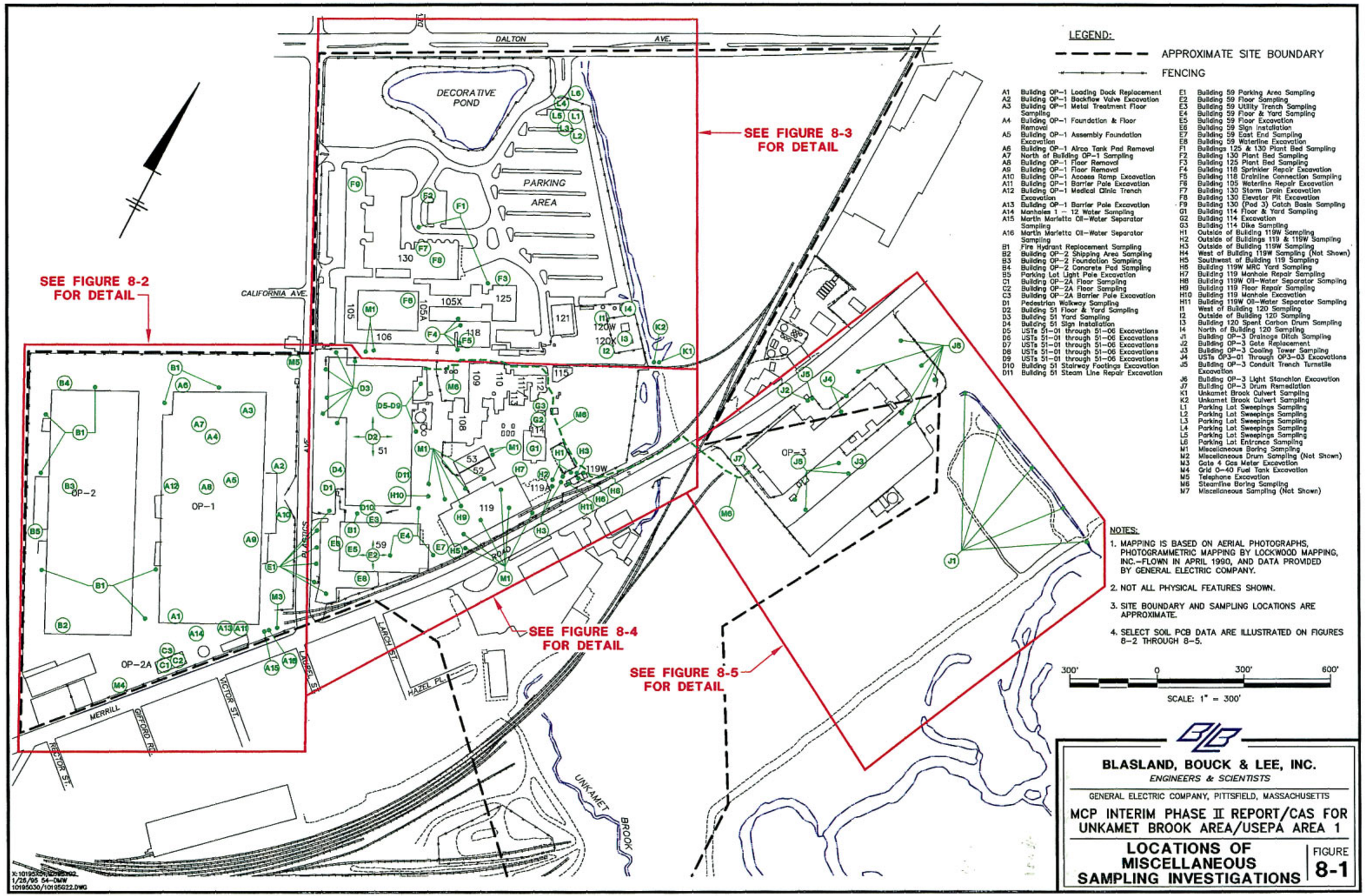
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MCP PHASE II FLOODPLAIN AND SURFICIAL SOIL SAMPLING LOCATIONS

FIGURE **7-1**

X:\10195\DGN\
11/94 SA—YCC
10195030/10195G10.DWG



LEGEND:

APPROXIMATE SITE BOUNDARY

FENCING

A1 Building OP-1 Loading Dock Replacement
A2 Building OP-1 Backflow Valve Excavation
A3 Building OP-1 Metal Treatment Floor Sampling
A4 Building OP-1 Foundation & Floor Removal
A5 Building OP-1 Assembly Foundation Excavation
A6 Building OP-1 Alrco Tank Pad Removal
A7 North of Building OP-1 Sampling
A8 Building OP-1 Floor Removal
A9 Building OP-1 Floor Removal
A10 Building OP-1 Access Ramp Excavation
A11 Building OP-1 Barrier Pole Excavation
A12 Building OP-1 Medical Clinic Trench Excavation
A13 Building OP-1 Barrier Pole Excavation
A14 Manholes 1 - 12 Water Sampling
A15 Martin Marietta Oil-Water Separator Sampling
A16 Martin Marietta Oil-Water Separator Sampling
B1 Fire Hydrant Replacement Sampling
B2 Building OP-2 Shipping Area Sampling
B3 Building OP-2 Foundation Sampling
B4 Building OP-2 Concrete Pad Sampling
B5 Parking Lot Light Pole Excavation
C1 Building OP-2A Floor Sampling
C2 Building OP-2A Floor Sampling
C3 Building OP-2A Barrier Pole Excavation
D1 Pedestrian Walkway Sampling
D2 Building 51 Floor & Yard Sampling
D3 Building 51 Yard Sampling
D4 Building 51 Sign Installation
D5 USTs 51-01 through 51-06 Excavations
D6 USTs 51-01 through 51-06 Excavations
D7 USTs 51-01 through 51-06 Excavations
D8 USTs 51-01 through 51-06 Excavations
D9 USTs 51-01 through 51-06 Excavations
D10 Building 51 Stairway Footings Excavation
D11 Building 51 Steam Line Repair Excavation
E1 Building 59 Parking Area Sampling
E2 Building 59 Floor Sampling
E3 Building 59 Utility Trench Sampling
E4 Building 59 Floor & Yard Sampling
E5 Building 59 Floor Excavation
E6 Building 59 Sign Installation
E7 Building 59 East End Sampling
E8 Building 59 Waterline Excavation
F1 Buildings 125 & 130 Plant Bed Sampling
F2 Building 130 Plant Bed Sampling
F3 Building 125 Plant Bed Sampling
F4 Building 118 Sprinkler Repair Excavation
F5 Building 118 Drainline Connection Sampling
F6 Building 105 Waterline Repair Excavation
F7 Building 130 Storm Drain Excavation
F8 Building 130 Elevator Pit Excavation
F9 Building 130 (Pad 3) Catch Basin Sampling
G1 Building 114 Floor & Yard Sampling
G2 Building 114 Excavation
G3 Building 114 Dike Sampling
H1 Outside of Building 119W Sampling
H2 Outside of Buildings 119 & 119W Sampling
H3 Outside of Building 119W Sampling
H4 West of Building 119W Sampling (Not Shown)
H5 Southwest of Building 119 Sampling
H6 Building 119W MRC Yard Sampling
H7 Building 119 Manhole Repair Sampling
H8 Building 119W Oil-Water Separator Sampling
H9 Building 119 Floor Repair Sampling
H10 Building 119 Manhole Excavation
H11 Building 119W Oil-Water Separator Sampling
I1 West of Building 120 Sampling
I2 Outside of Building 120 Sampling
I3 Building 120 Spent Carbon Drum Sampling
I4 North of Building 120 Sampling
J1 Building OP-3 Drainage Ditch Sampling
J2 Building OP-3 Gate Replacement
J3 Building OP-3 Cooling Tower Sampling
J4 USTs OP3-01 Through OP3-03 Excavations
J5 Building OP-3 Conduit Trench Turnstile Excavation
J6 Building OP-3 Light Stanchion Excavation
J7 Building OP-3 Drum Remediation
K1 Unkamet Brook Culvert Sampling
K2 Unkamet Brook Culvert Sampling
L1 Parking Lot Sweepings Sampling
L2 Parking Lot Sweepings Sampling
L3 Parking Lot Sweepings Sampling
L4 Parking Lot Sweepings Sampling
L5 Parking Lot Sweepings Sampling
L6 Parking Lot Entrance Sampling
M1 Miscellaneous Boring Sampling
M2 Miscellaneous Drum Sampling (Not Shown)
M3 Gate 4 Gas Meter Excavation
M4 Grid 0-40 Fuel Tank Excavation
M5 Telephone Excavation
M6 Steamline Boring Sampling
M7 Miscellaneous Sampling (Not Shown)

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS, PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC.-FLOWN IN APRIL 1990, AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY AND SAMPLING LOCATIONS ARE APPROXIMATE.
4. SELECT SOIL PCB DATA ARE ILLUSTRATED ON FIGURES 8-2 THROUGH 8-5.

300' 0 300' 600'

SCALE: 1" = 300'

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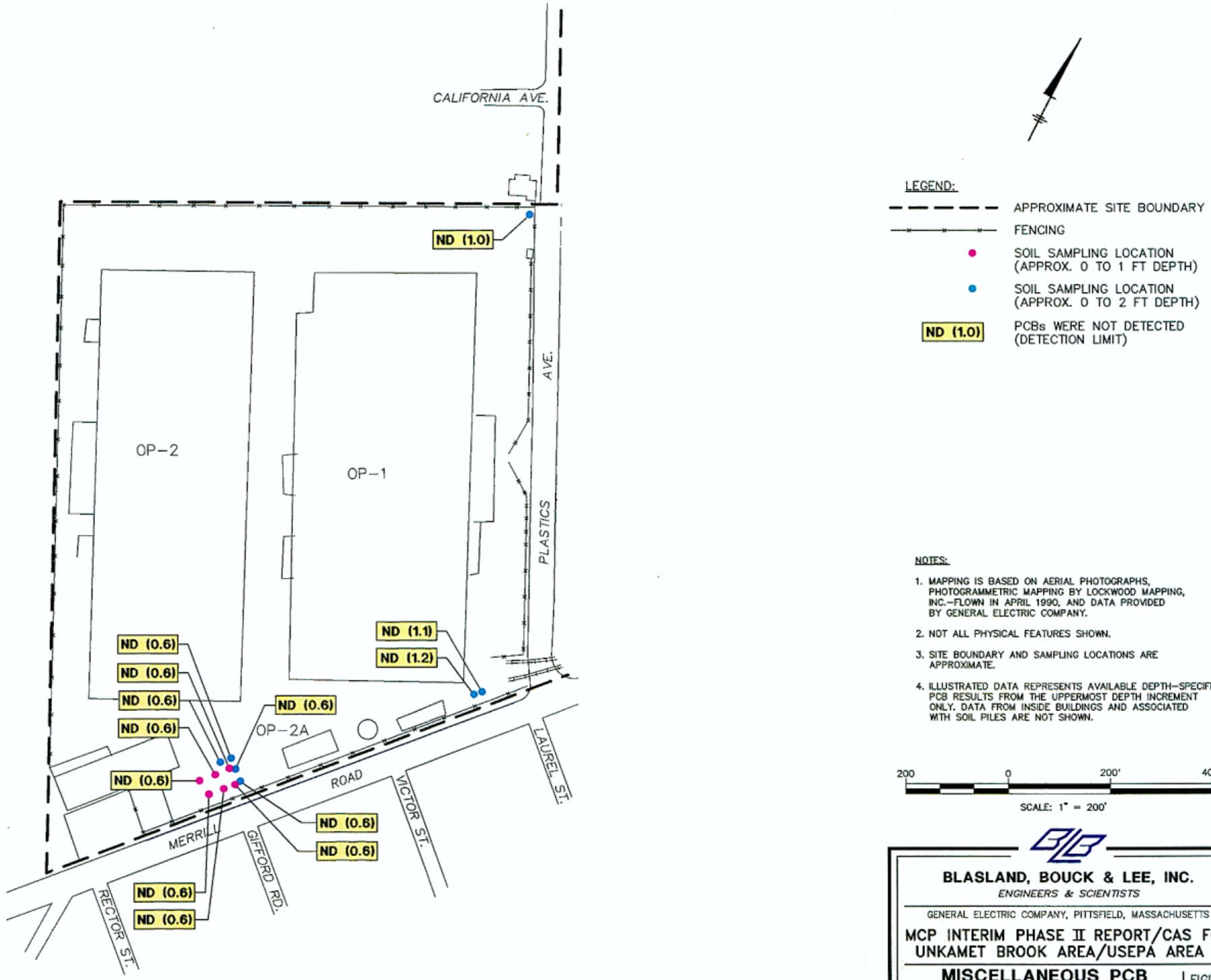
GENERAL ELECTRIC COMPANY, PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

LOCATIONS OF MISCELLANEOUS SAMPLING INVESTIGATIONS

FIGURE **8-1**

X:\10195030\10195022
1/28/95 54-DMW
10195030/10195022.DWG



LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCING
- SOIL SAMPLING LOCATION (APPROX. 0 TO 1 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 2 FT DEPTH)
- ND (1.0) PCBs WERE NOT DETECTED (DETECTION LIMIT)

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS, PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990, AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY AND SAMPLING LOCATIONS ARE APPROXIMATE.
4. ILLUSTRATED DATA REPRESENTS AVAILABLE DEPTH–SPECIFIC, PCB RESULTS FROM THE UPPERMOST DEPTH INCREMENT ONLY. DATA FROM INSIDE BUILDINGS AND ASSOCIATED WITH SOIL PILES ARE NOT SHOWN.

200 0 200' 400'

SCALE: 1" = 200'

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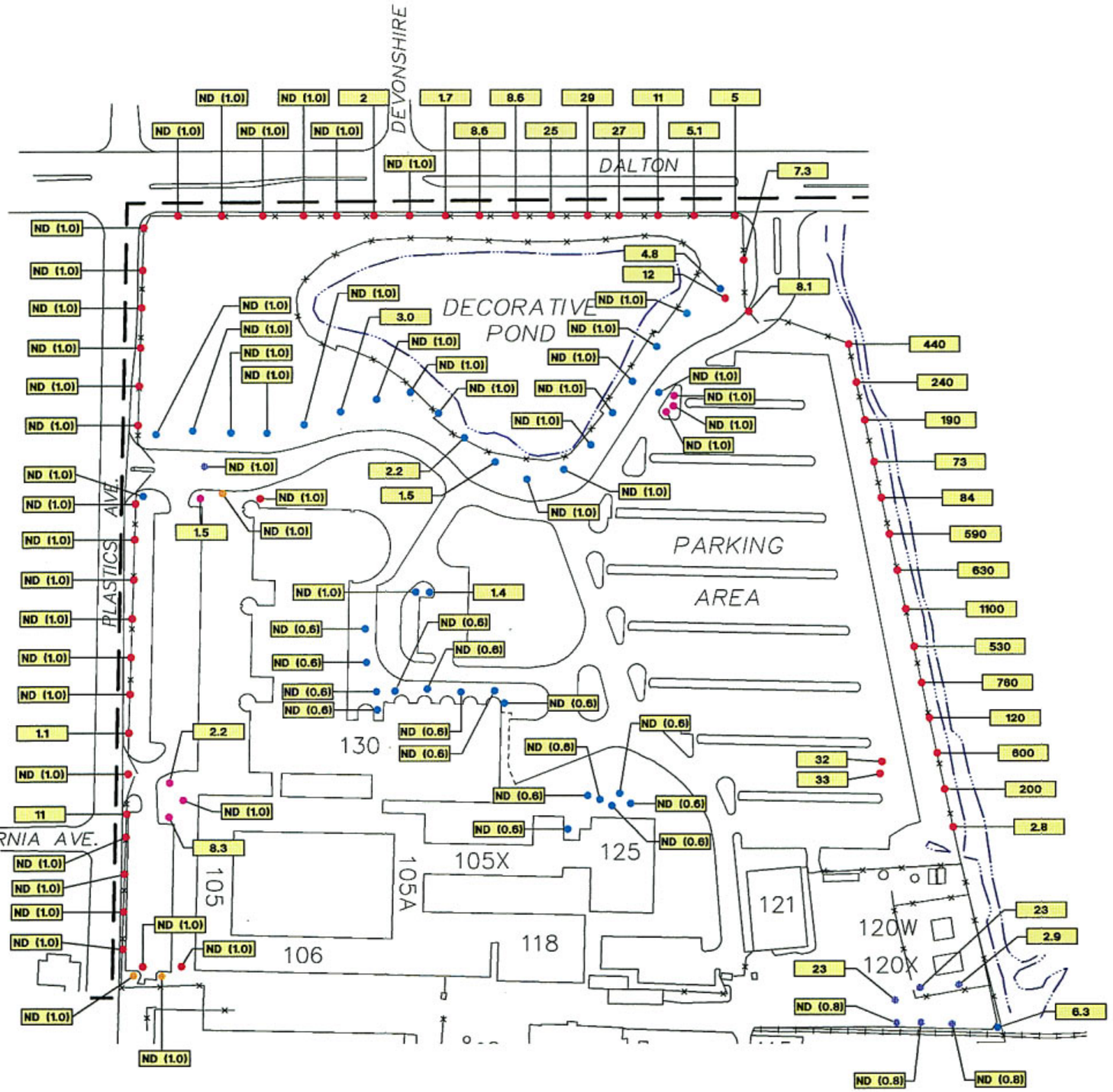
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MISCELLANEOUS PCB SOILS DATA NEAR BUILDINGS OP-1 AND OP-2

FIGURE **8-2**

xc
1/26/95 54-DWW
10195030/10195033.DWG



LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCING
- SOIL SAMPLING LOCATION (APPROX. 0 TO 0.5 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 1 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 2 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 3 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 4 FT DEPTH)
- 11 — CORRESPONDING SOIL PCB CONCENTRATION, DRY WEIGHT (ppm)
- ND (1.0) — PCBs WERE NOT DETECTED (DETECTION LIMIT)

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS, PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990, AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY AND SAMPLING LOCATIONS ARE APPROXIMATE.
4. ILLUSTRATED DATA REPRESENTS AVAILABLE DEPTH–SPECIFIC, PCB RESULTS FROM THE UPPERMOST DEPTH INCREMENT ONLY. DATA FROM INSIDE BUILDINGS AND ASSOCIATED WITH SOIL PILES ARE NOT SHOWN.

150' 0 150' 300'

SCALE: 1" = 150'

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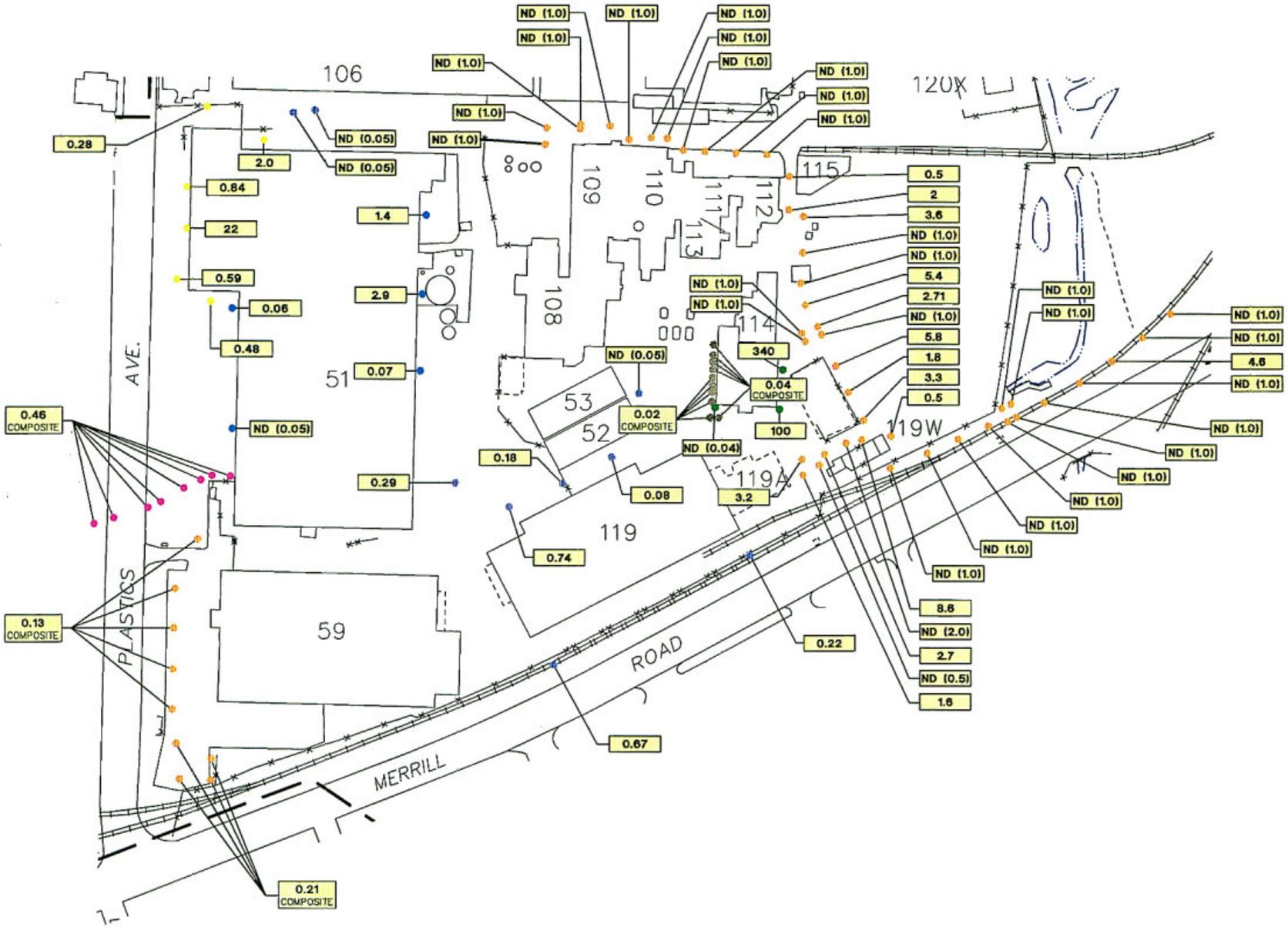
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MISCELLANEOUS PCB SOILS DATA WITHIN NORTHERN PORTION OF GE FACILITY

FIGURE **8-3**

X:
1/26/95 S4-DMW
10195030/10195G35.DWG



LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCING
- SOIL SAMPLING LOCATION (APPROX. 0 TO 0.5 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 1 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 2 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 2.5 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 4 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0 TO 5 FT DEPTH)
- SOIL SAMPLING LOCATION (APPROX. 0.5 TO 1.5 FT DEPTH)
- 22 — CORRESPONDING SOIL PCB CONCENTRATION, DRY WEIGHT (ppm)
- ND (1.0) — PCBs WERE NOT DETECTED (DETECTION LIMIT)

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS, PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990, AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY AND SAMPLING LOCATIONS ARE APPROXIMATE.
4. ILLUSTRATED DATA REPRESENTS AVAILABLE DEPTH–SPECIFIC, PCB RESULTS FROM THE UPPERMOST DEPTH INCREMENT ONLY. DATA FROM INSIDE BUILDINGS AND ASSOCIATED WITH SOIL PILES ARE NOT SHOWN.

150' 0 150' 300'

SCALE: 1" = 150'

X:
1/26/95 SA-DMW
10195030/10195G36.DWG

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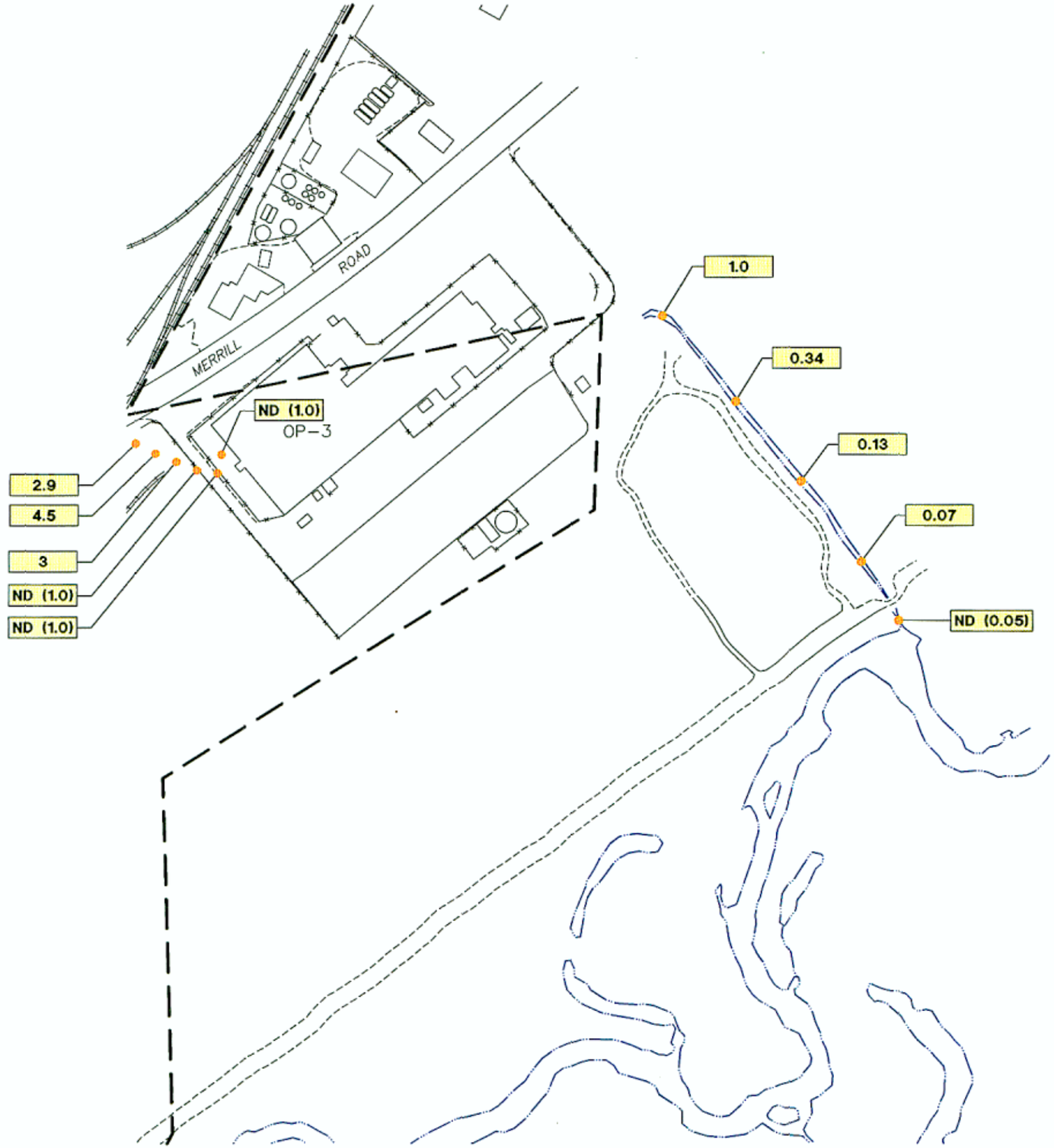
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MISCELLANEOUS PCB SOILS DATA NEAR BUILDINGS 51, 59, 114, AND 119

FIGURE **8-4**



LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCING
- SOIL SAMPLING LOCATION (APPROX. 0 TO 0.5 FT DEPTH)
- 22 — CORRESPONDING SOIL PCB CONCENTRATION, DRY WEIGHT (ppm)
- ND (1.0) — PCBs WERE NOT DETECTED (DETECTION LIMIT)

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS, PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990, AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY AND SAMPLING LOCATIONS ARE APPROXIMATE.
4. ILLUSTRATED DATA REPRESENTS AVAILABLE DEPTH–SPECIFIC, PCB RESULTS FROM THE UPPERMOST DEPTH INCREMENT ONLY. DATA FROM INSIDE BUILDINGS AND ASSOCIATED WITH SOIL PILES ARE NOT SHOWN.

200 0 200' 400'

SCALE: 1" = 200'

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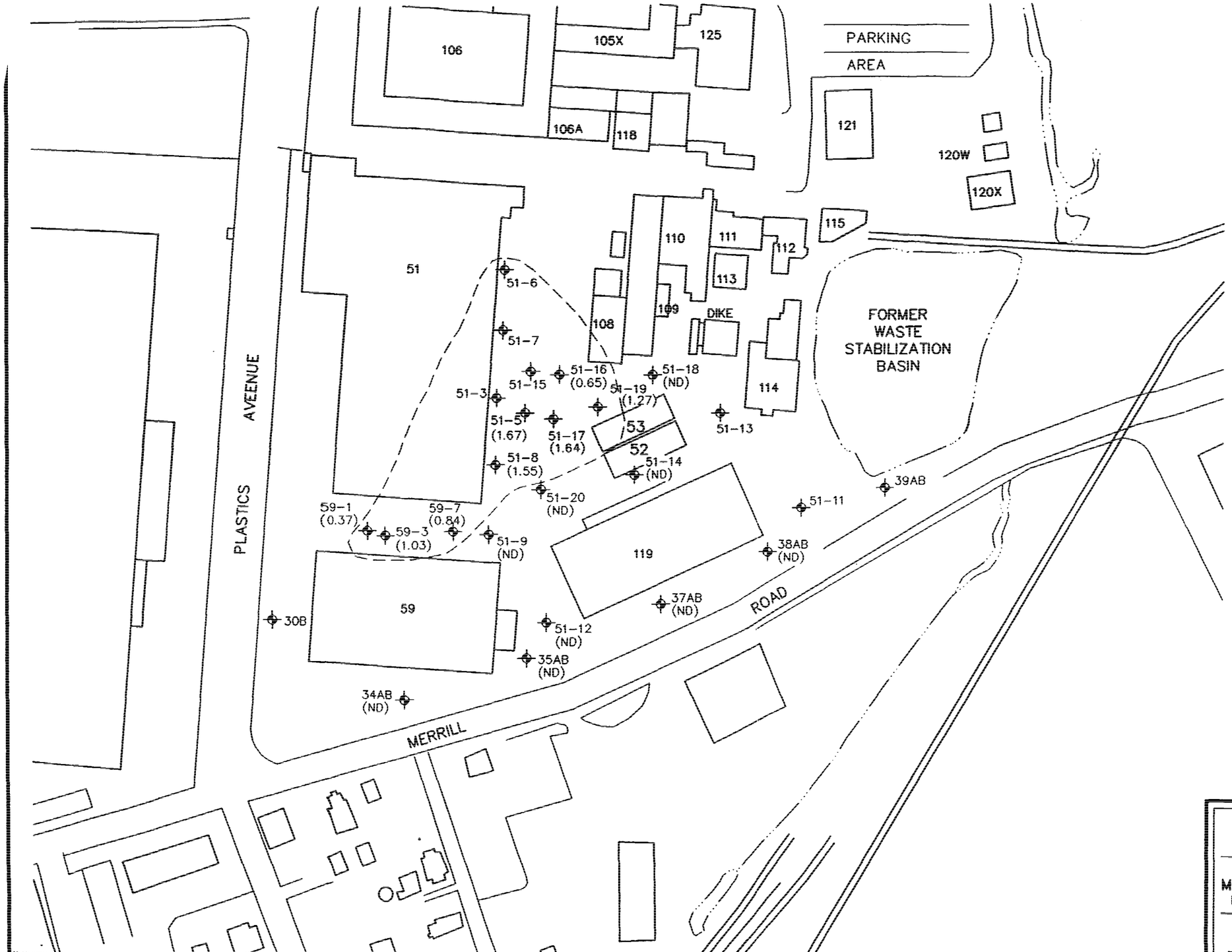
MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MISCELLANEOUS PCB SOILS DATA NEAR BUILDING OP-3 | FIGURE **8-5**

X:
1/26/95 S4-DMW
10195030/10195G34.DWG



BLASLAND, BOUCK & LEE, INC.
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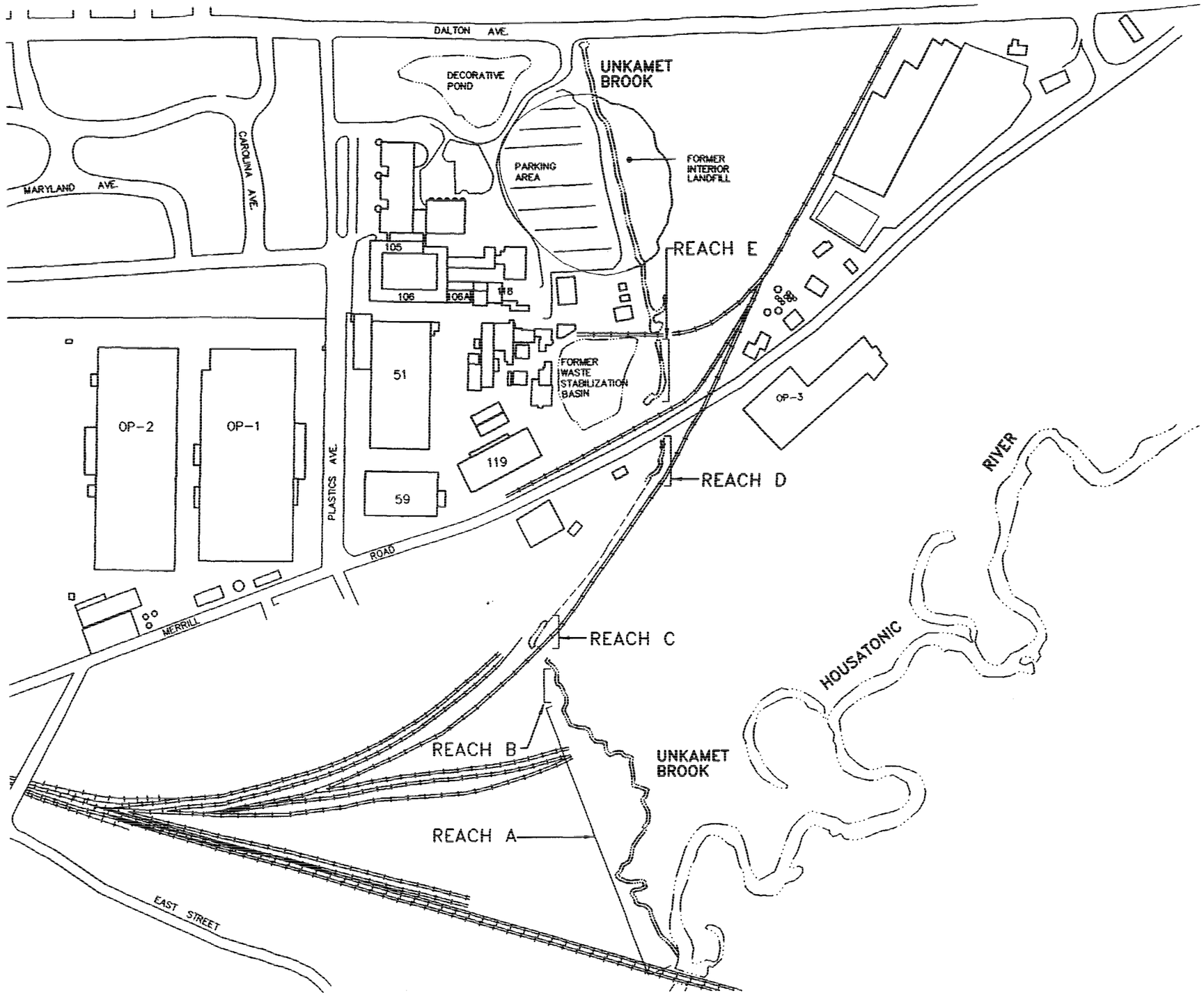
BUILDING 51/59 AREA DISTRIBUTION OF FREE-PHASE OIL DECEMBER 1991

FIGURE **10-1**

JC 10195X09
11/94 SA-VCC
10195030/10195C21.DWG



NOTE:

1. PORTIONS OF BASE MAP WERE GENERATED BASED ON AERIAL PHOTOGRAPHS TAKEN TAKEN APRIL 23,1990.

400' 0 400'

1" = 400'

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MCP INTERIM PHASE II REPORT/CAS FOR UNKAMET BROOK AREA/USEPA AREA 1

MCP PHASE II FISH SAMPLING LOCATIONS

FIGURE **11-1**

X:\10195X01
11/94 54-YDC
10195030/10195016.DWG