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VOLUME II

DRAFT RCRA FACILITY INVESTIGATION (RFI)

FIGURES AND TABLES

prepared for

**BORDEN, INC.
BAINBRIDGE, NEW YORK**

JULY 8, 1992

*Revised based upon NYSDOC
Comments dated 7/13/94*



Environmental and
Applied Earth Science
Consultants

**T. M. GATES, INC.
787 ROUND BOTTOM ROAD
MILFORD, OHIO 45150
(513) 248-1025**

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BAINBRIDGE, NEW YORK

prepared by

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JULY 8, 1992

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FIGURE 1-1
SITE LOCATION

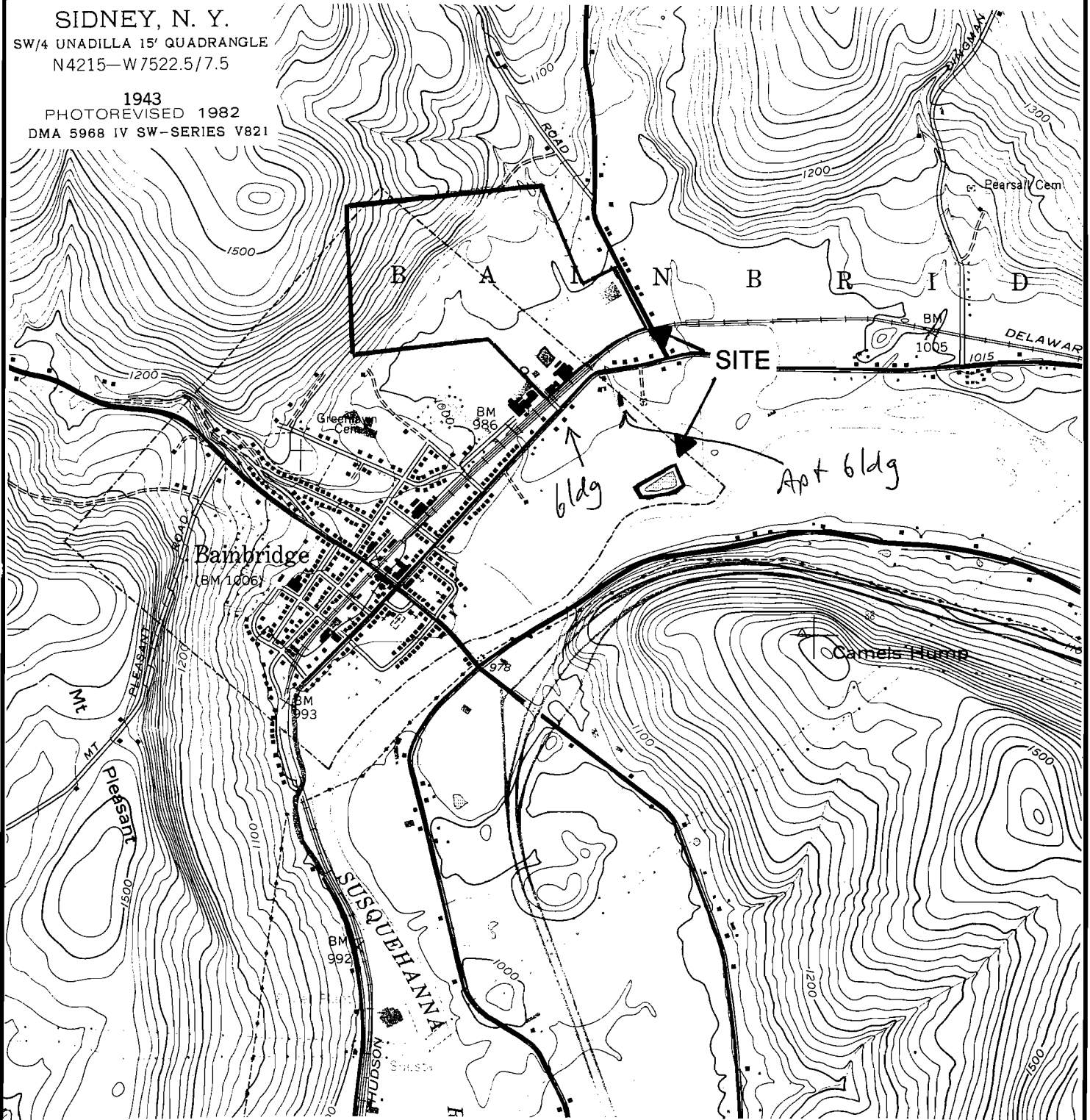
SIDNEY, N. Y.

SW/4 UNADILLA 15' QUADRANGLE
N4215-W7522.5/7.5

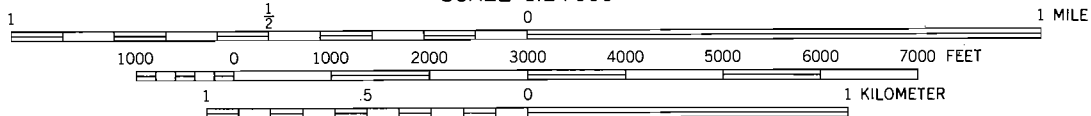
1943

PHOTOREVISED 1982

DMA 5968 IV SW-SERIES V821



SCALE 1:24 000



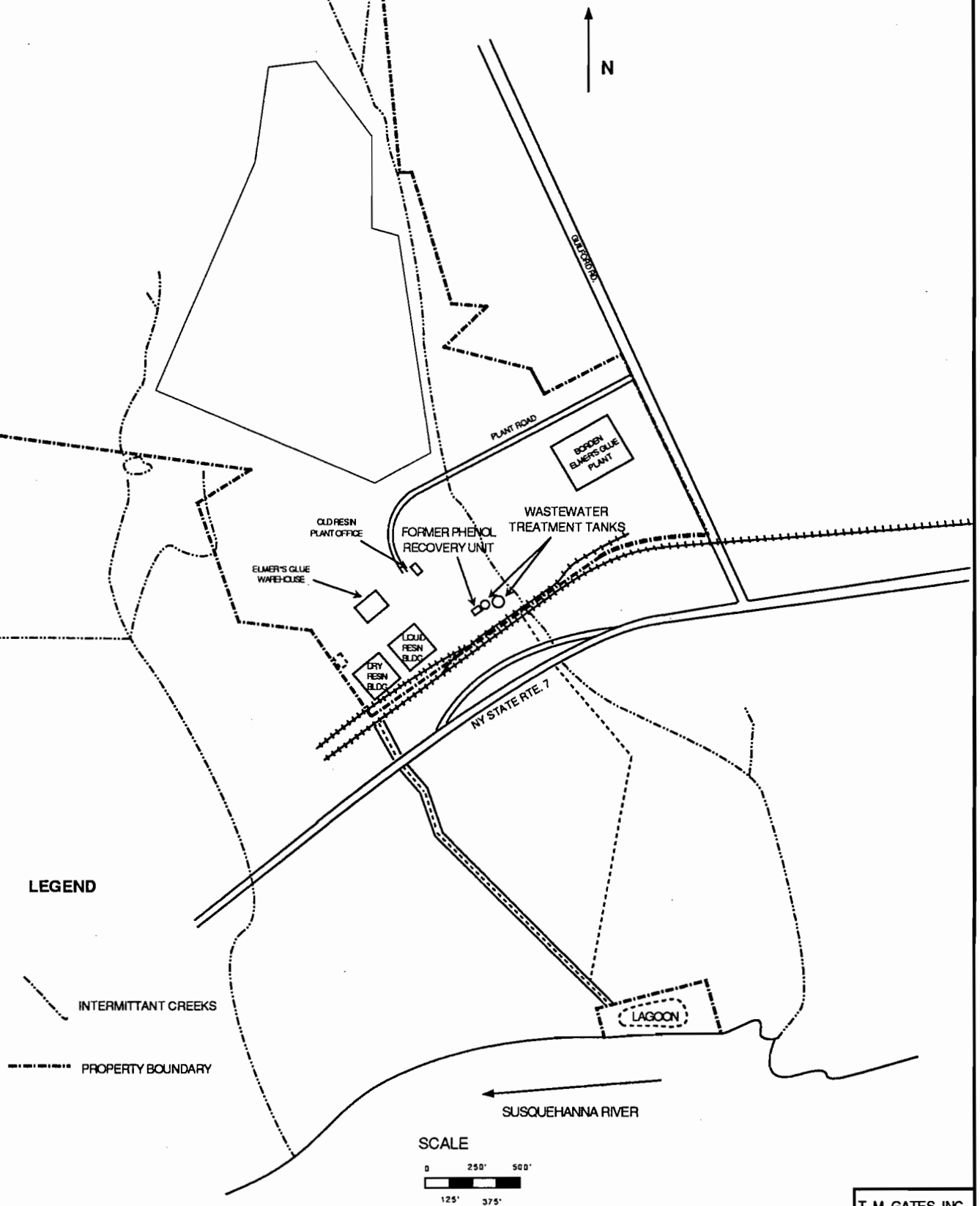
CONTOUR INTERVAL 20 FEET

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BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 1-2
OBLIQUE ANGLE AERIAL PHOTOGRAPH



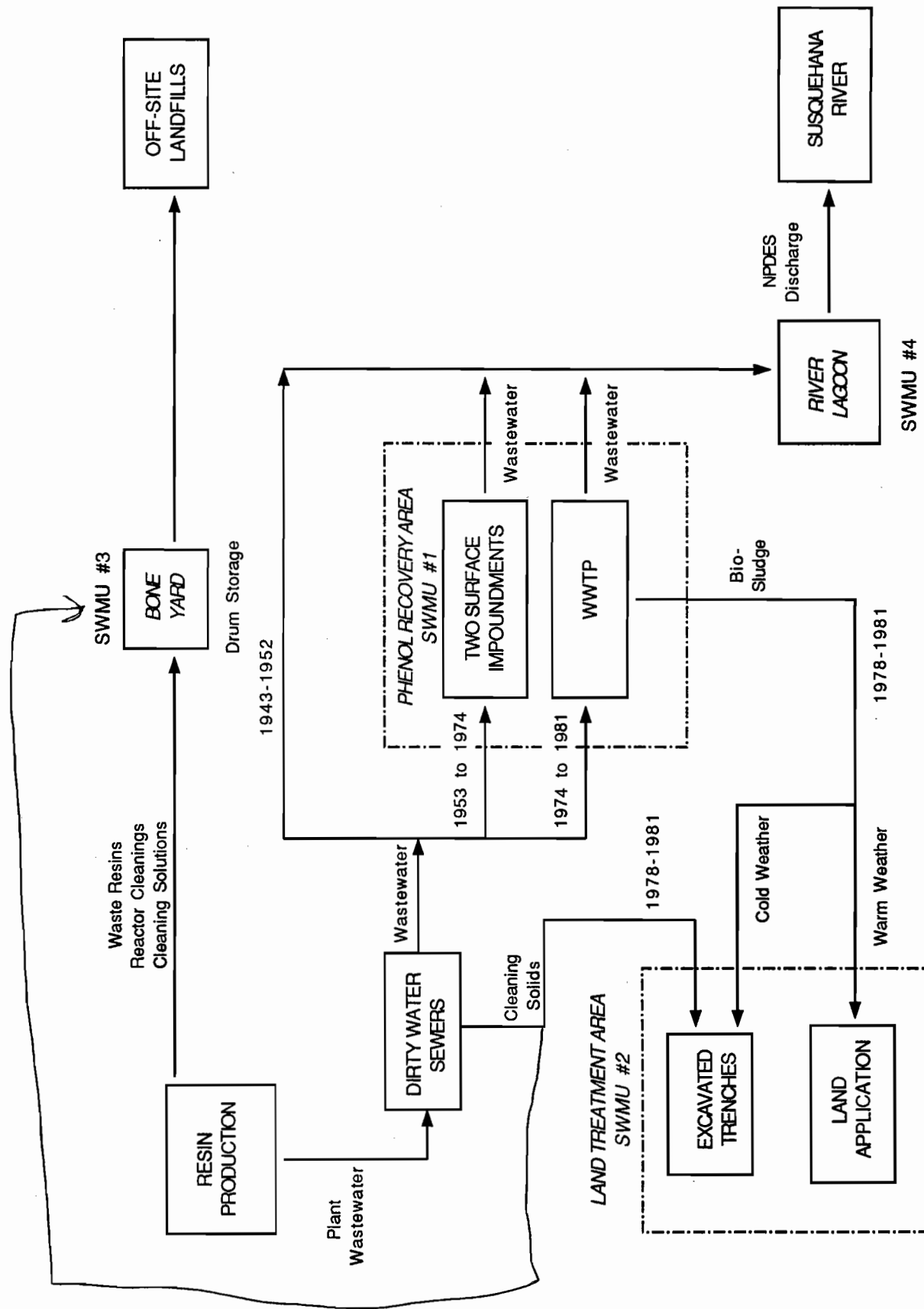
BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 1-3
PLOT PLAN



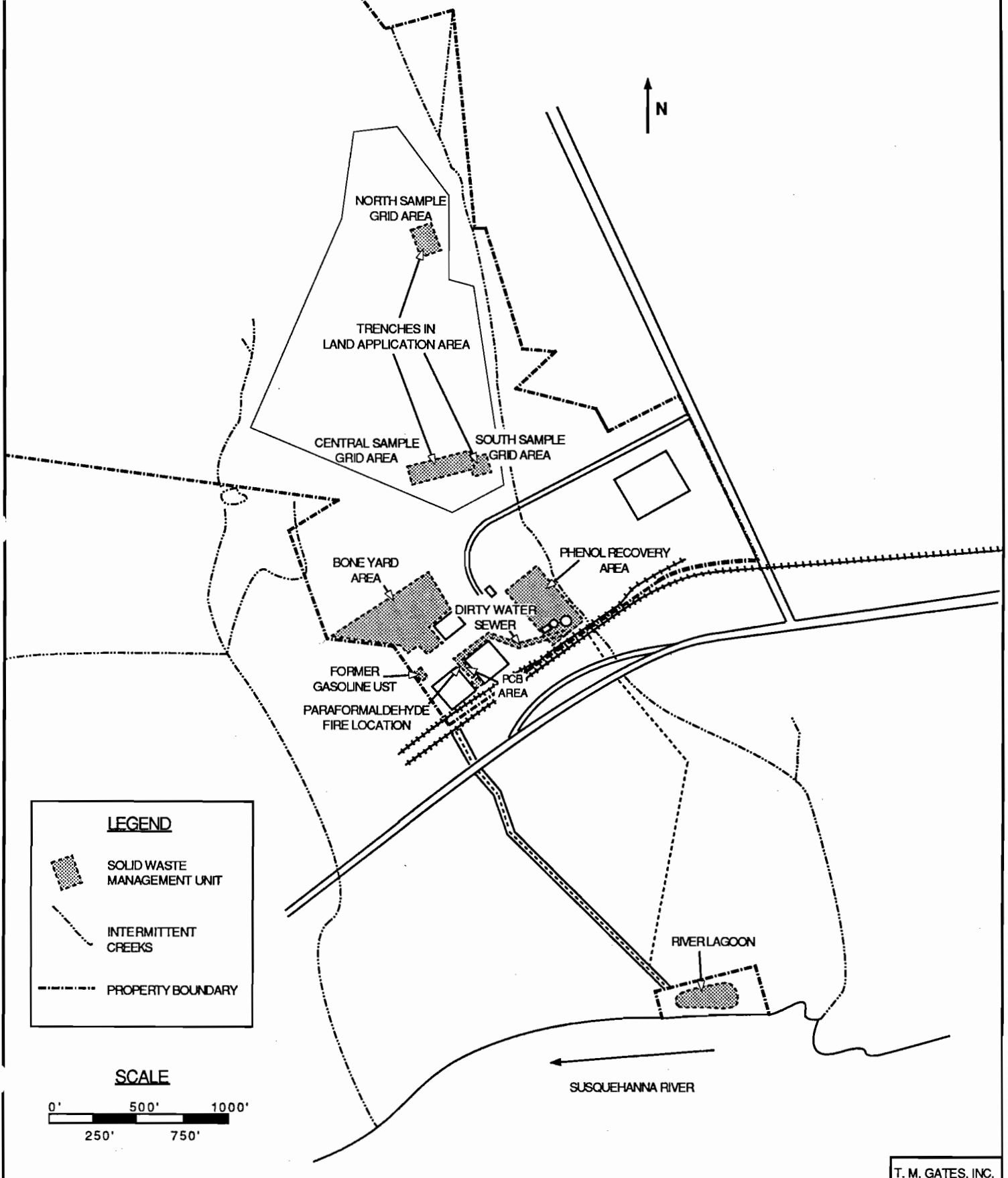
BORDEN, INC. - BAINBRIDGE, NEW YORK

FIGURE 2-1

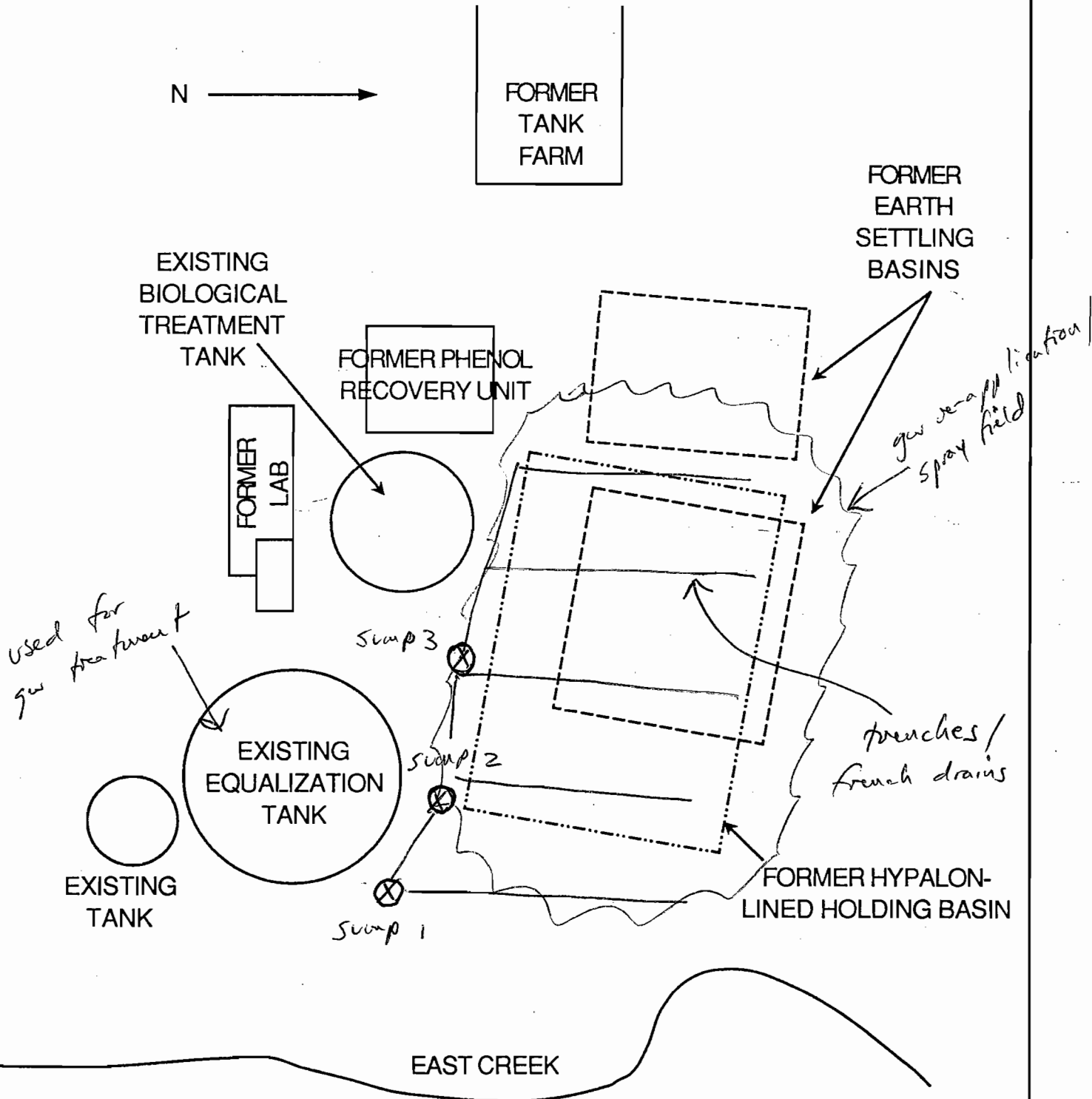
HISTORIC FLOW DIAGRAM OF WASTE STREAMS



BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 2-2
SWMU LOCATIONS



BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 2-3
SKETCH OF PHENOL RECOVERY AREA

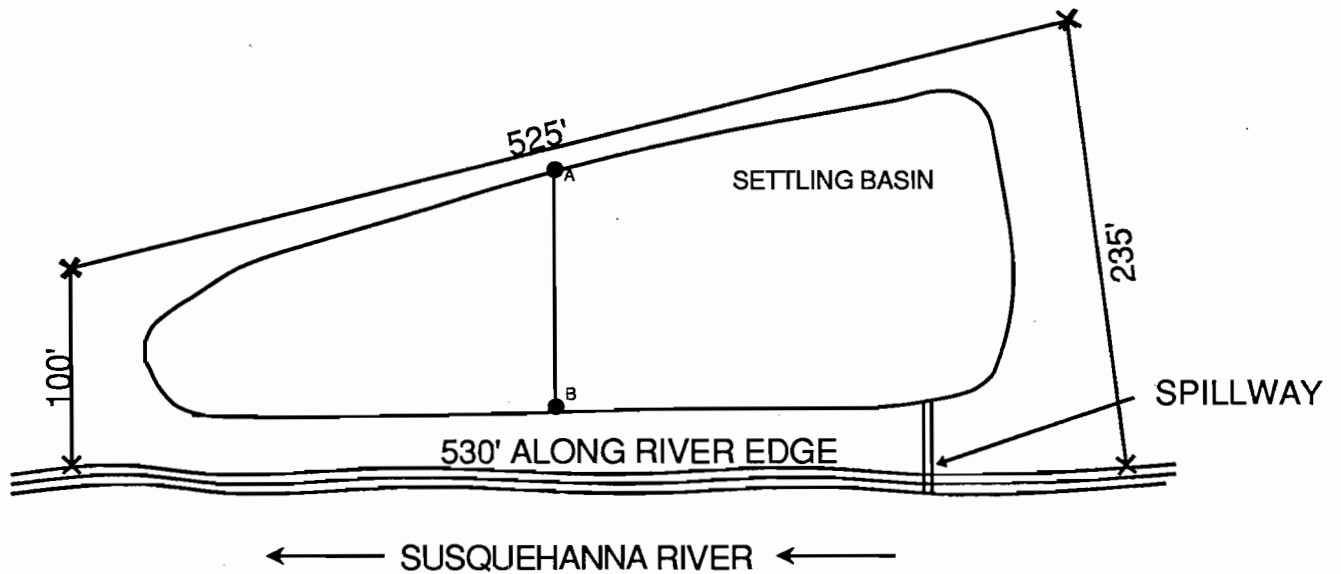


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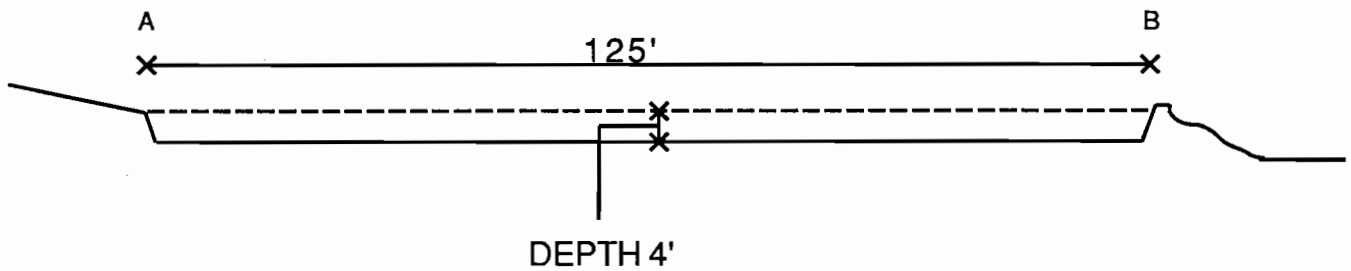
T. M. GATES, INC

BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 2-4
SKETCH OF RIVER LAGOON

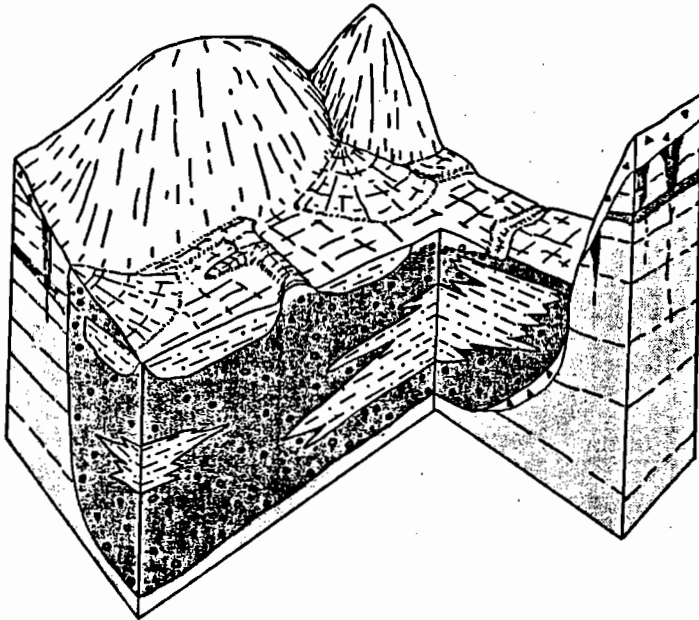
PLAN VIEW



CROSS-SECTION

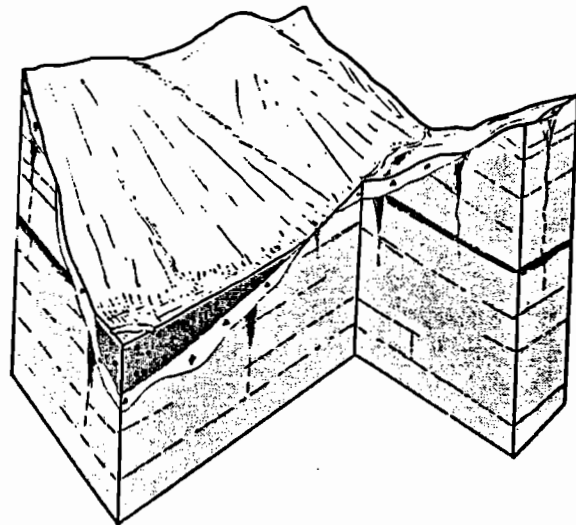


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 FIGURE 3-2
 THREE RELEVANT CLASSES OF VALLEYS



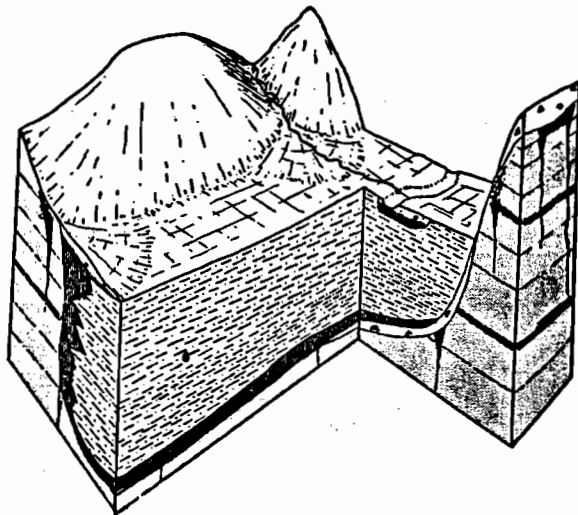
A

Geology and hydrology typical of valleys where ice stagnated and wasted.



B

Geology and hydrology typical of most small tributary valleys.



C

Geology and hydrology typical of vally reaches where an active ice tongue retreated rapidly

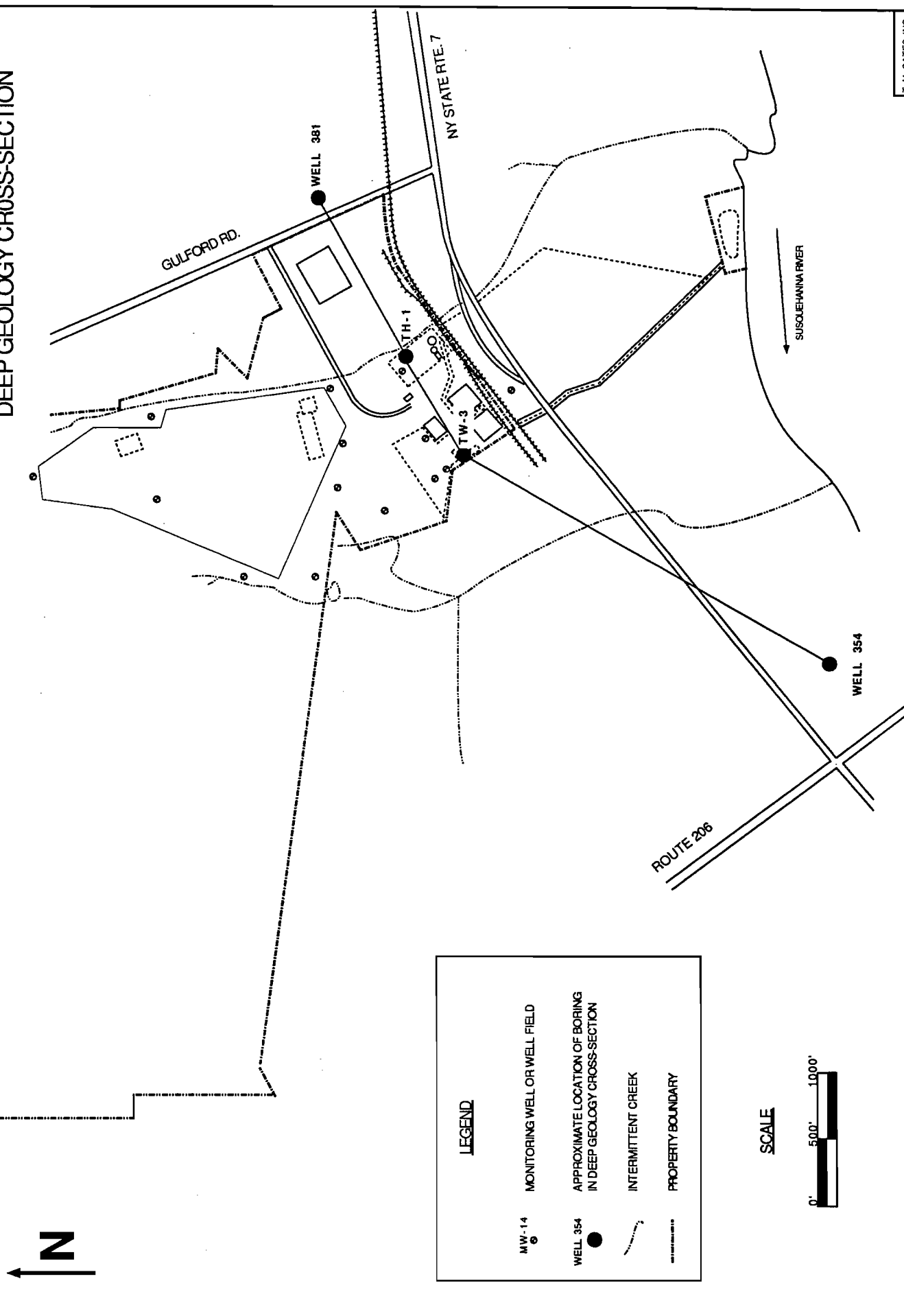
LEGEND

-  Sand and gravel
-  Lacustrine silts, clay, and very fine sand
-  Till
-  Bedrock, with fractures
-  High-yielding aquifer material
-  Low-yielding aquifer material

SOURCE: MacNish and Randall, 1982

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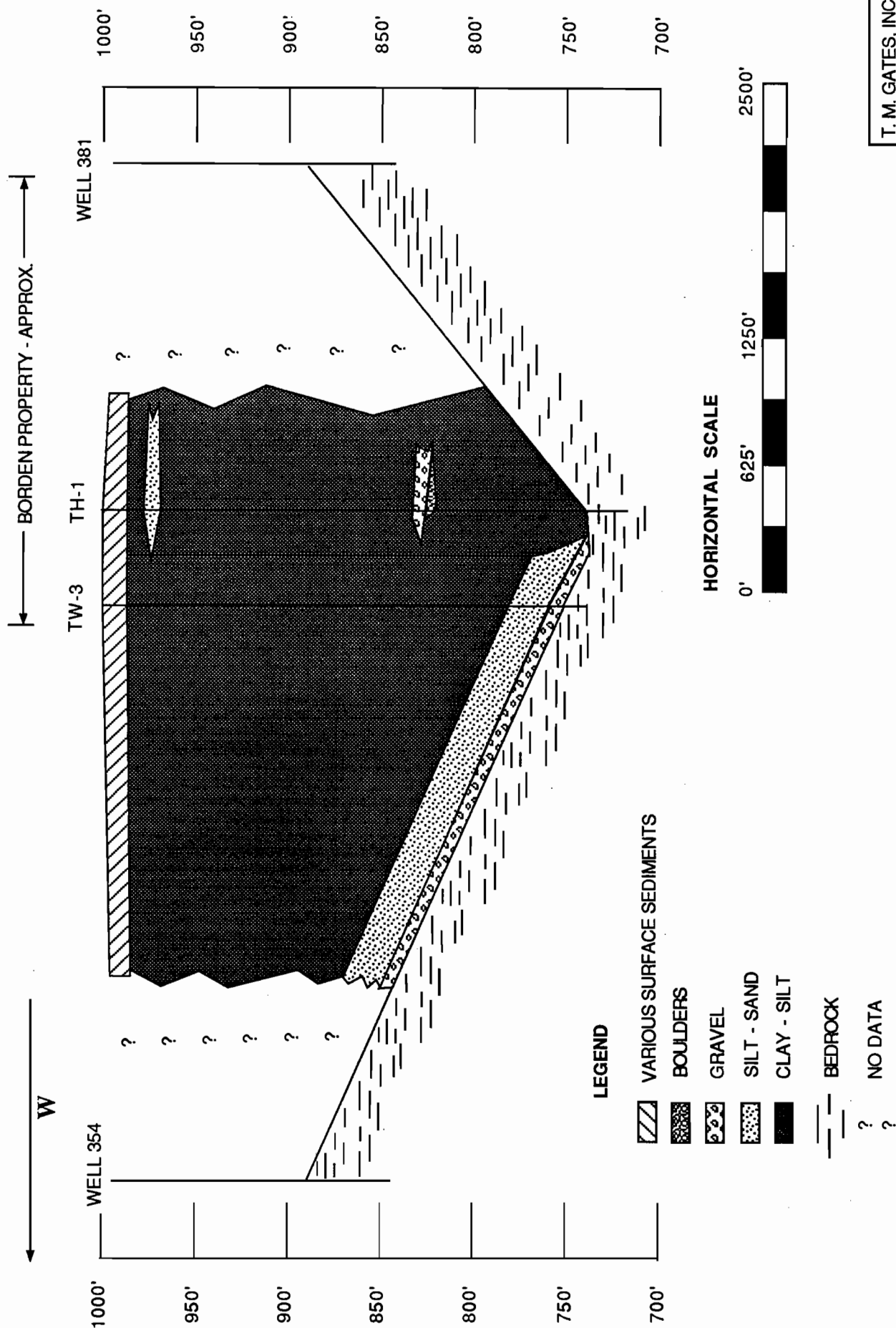
BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 3-3
 PLAN VIEW OF BORINGS USED IN
 DEEP GEOLOGY CROSS-SECTION



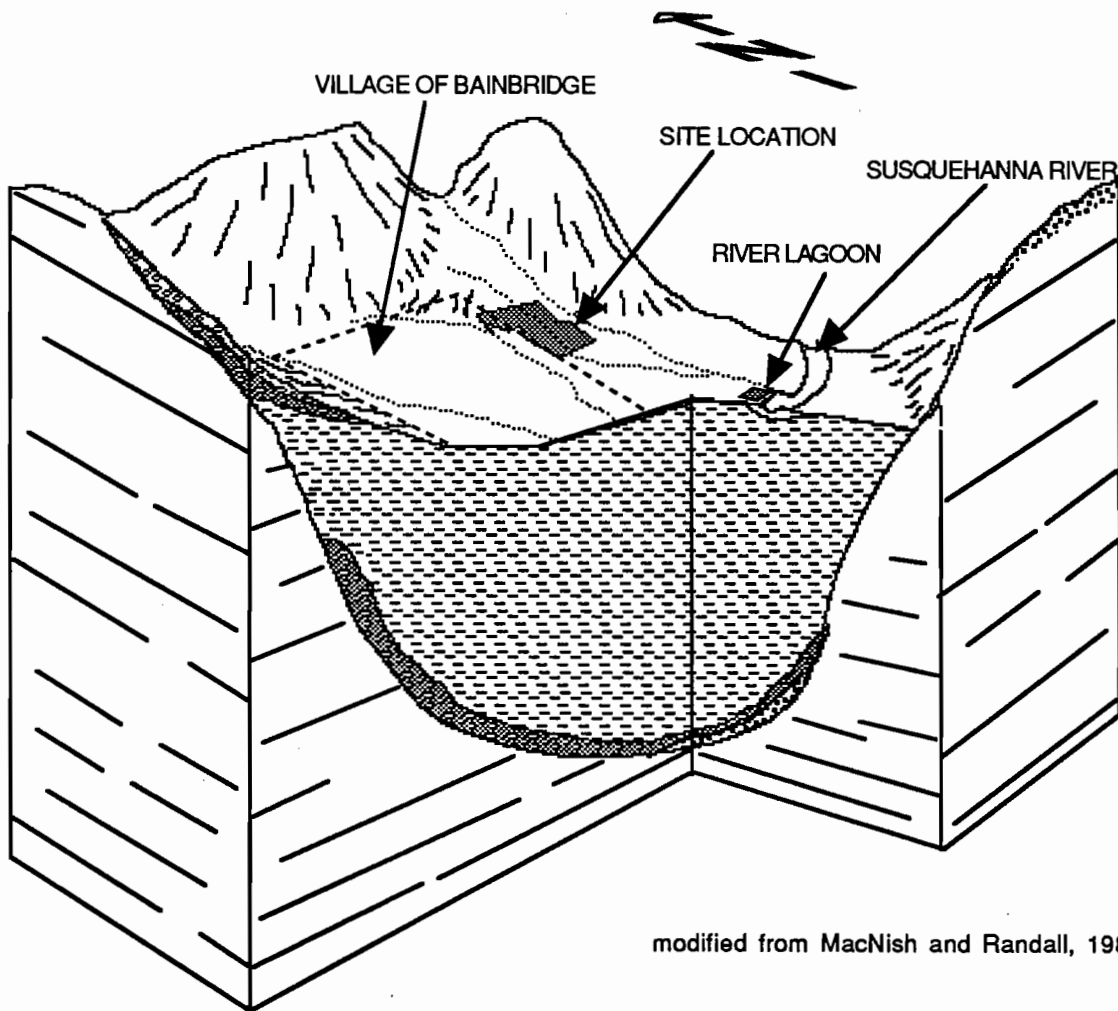
LEGEND

MW-14 ●	MONITORING WELL OR WELL FIELD
WELL 354 ●	APPROXIMATE LOCATION OF BORING IN DEEP GEOLOGY CROSS-SECTION
---	INTERMITTENT CREEK
- - - - -	PROPERTY BOUNDARY

BORDEN - BAINBRIDGE, NEW YORK
 FIGURE 3-4
 DEEP GEOLOGY CROSS-SECTION



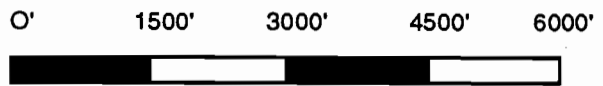
BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 3-5
 3-D CROSS-SECTION OF SITE AREA



modified from MacNish and Randall, 1982

-  COARSE WATER-BEARING UNITS
-  COARSE UNITS ABOVE WATER TABLE
-  GLACIAL TILL
-  SEDIMENTARY BEDROCK
-  FINE LACUSTRINE DEPOSITS
-  SITE PROPERTY

APPROXIMATE HORIZONTAL SCALE

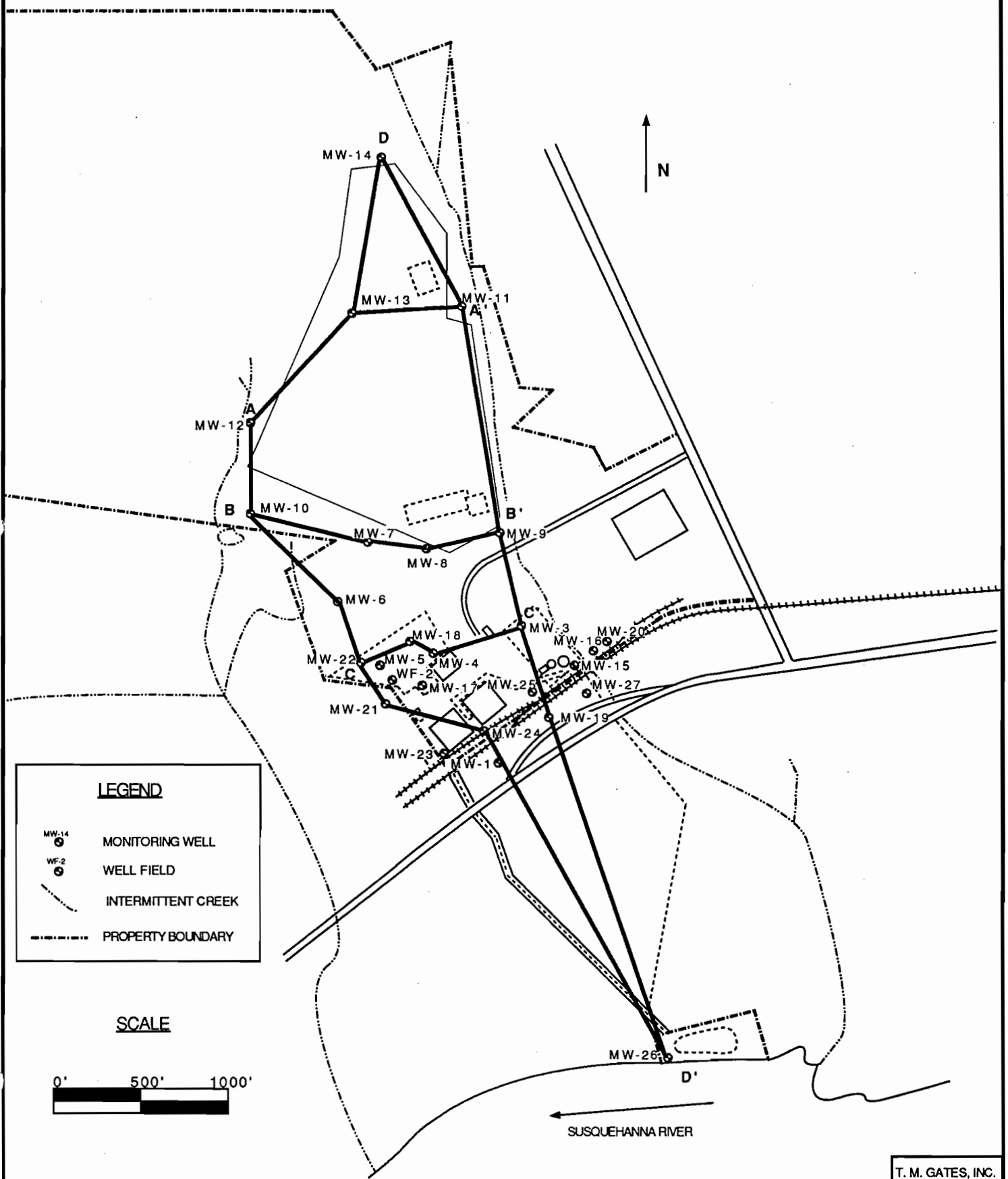


CREEK

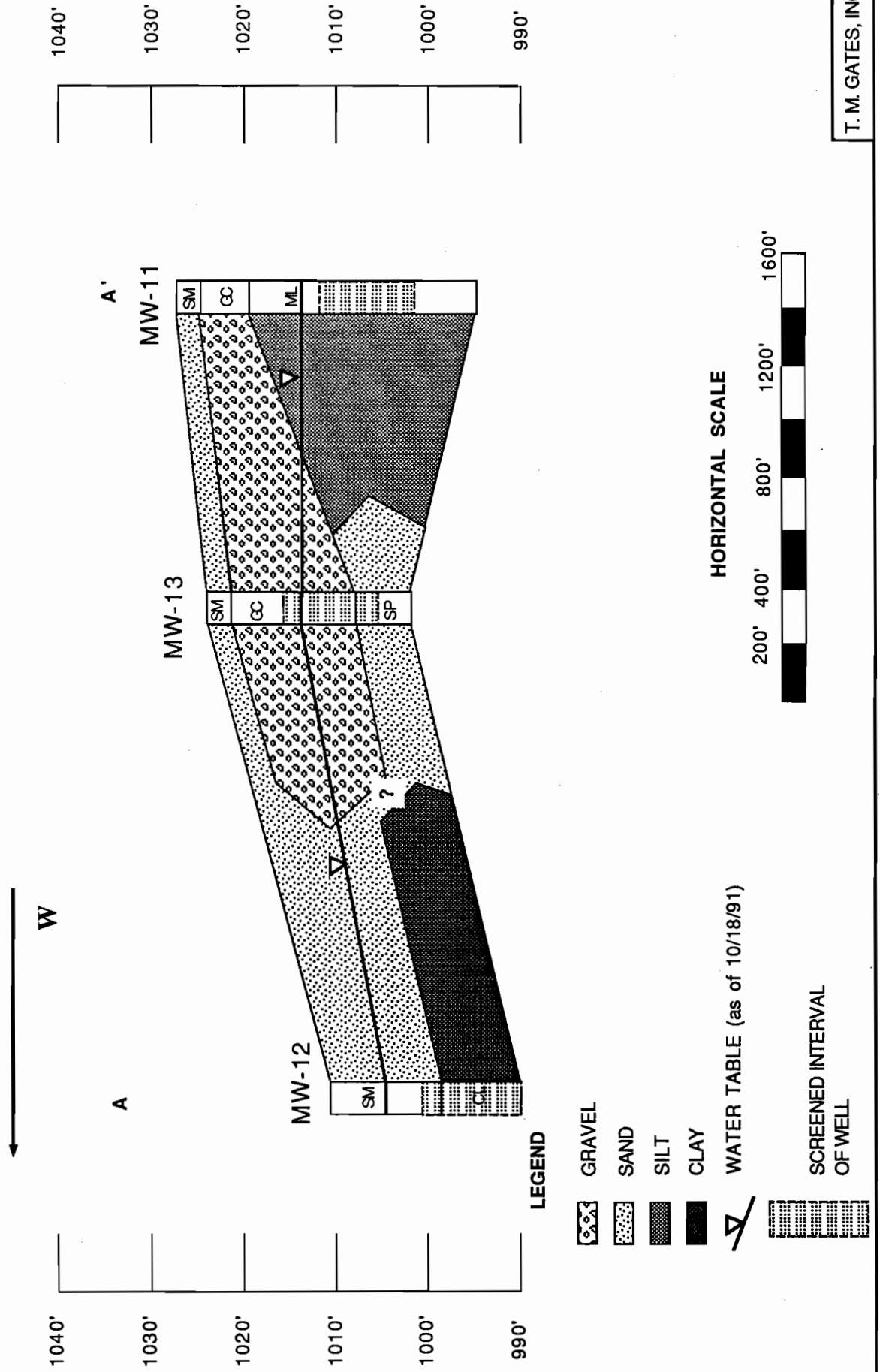
APPROXIMATE BAINBRIDGE VILLAGE LIMITS

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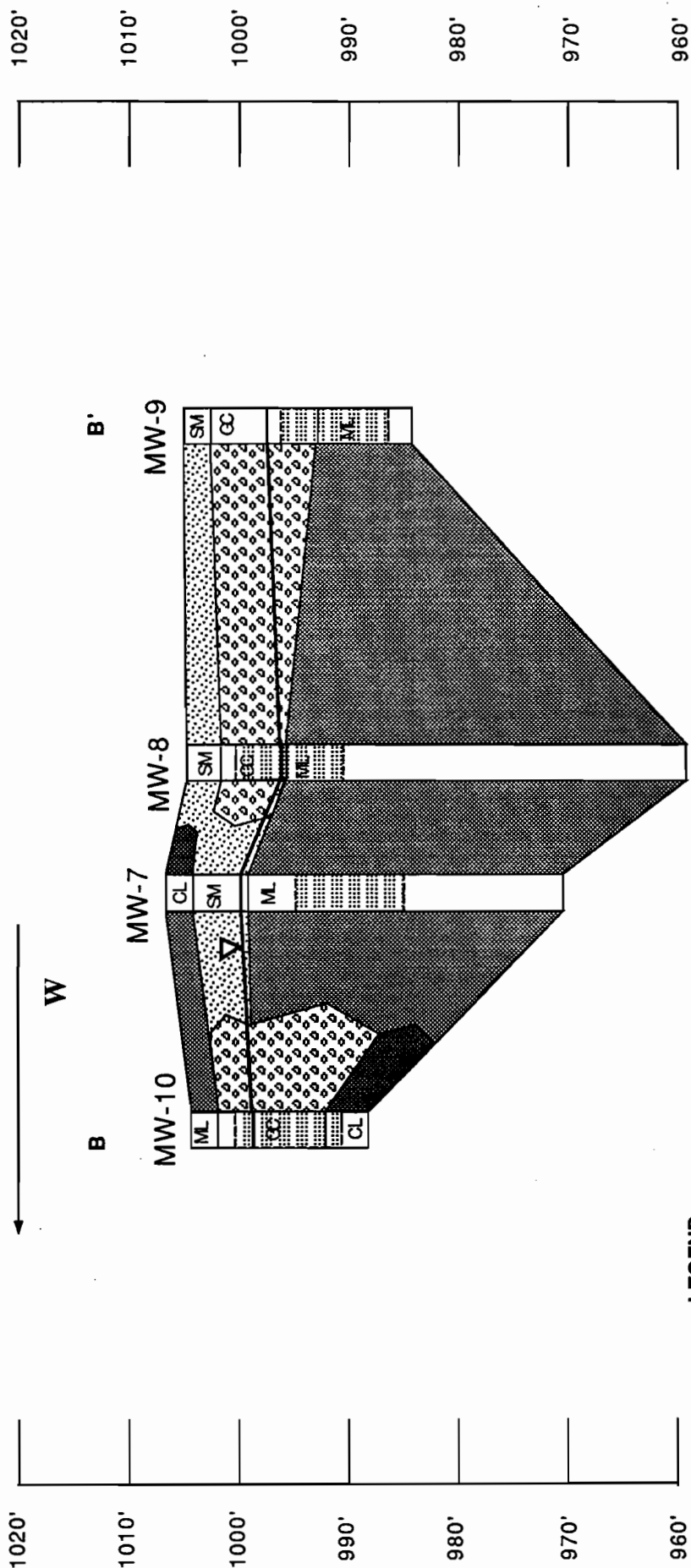
BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 3-6
MONITORING WELL AND CROSS-SECTION LOCATIONS



BORDEN - BAINBRIDGE, NEW YORK
 FIGURE 3-7
 NORTHERN E-W CROSS-SECTION A-A'



BORDEN - BAINBRIDGE, NEW YORK
 FIGURE 3-8
 CENTRAL E-W CROSS-SECTION B-B'



LEGEND

- GRAVEL
- SAND
- SILT
- CLAY

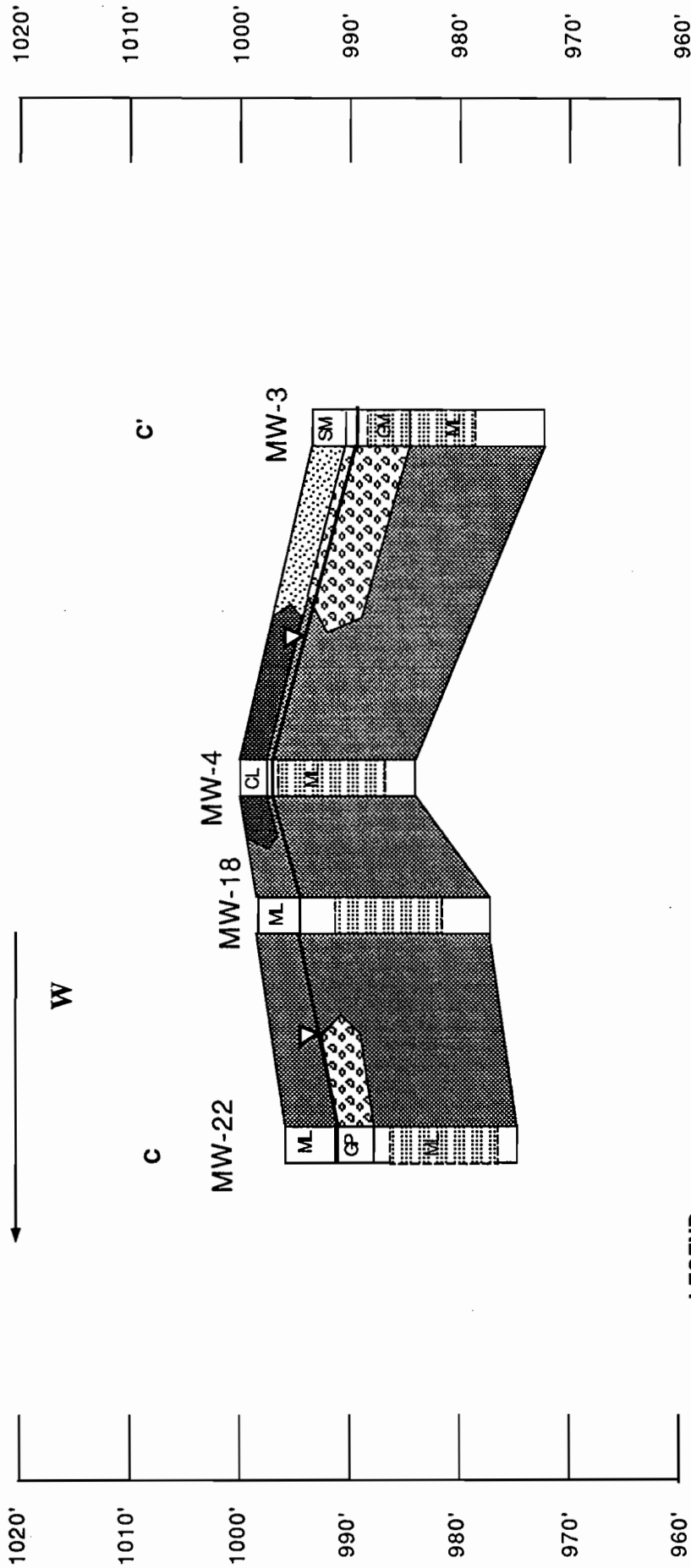
WATER TABLE (as of 10/18/91)

SCREENED INTERVAL
 OF WELL

HORIZONTAL SCALE



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 FIGURE 3-9
 SOUTHERN E-W CROSS-SECTION C-C'



LEGEND

- GRAVEL
- SAND
- SILT
- CLAY

WATER TABLE (as of 10/18/91)



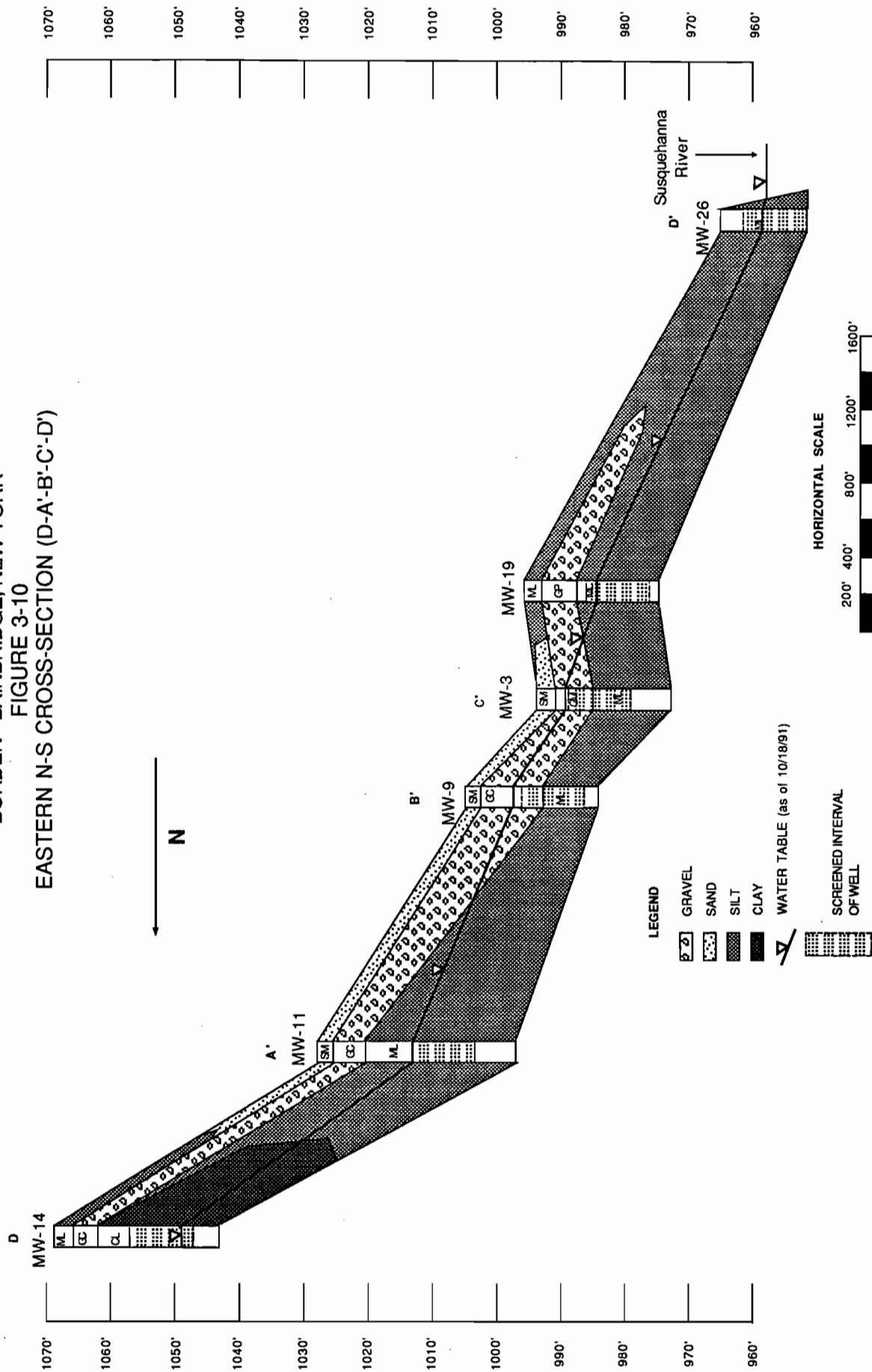
SCREENED INTERVAL
 OF WELL



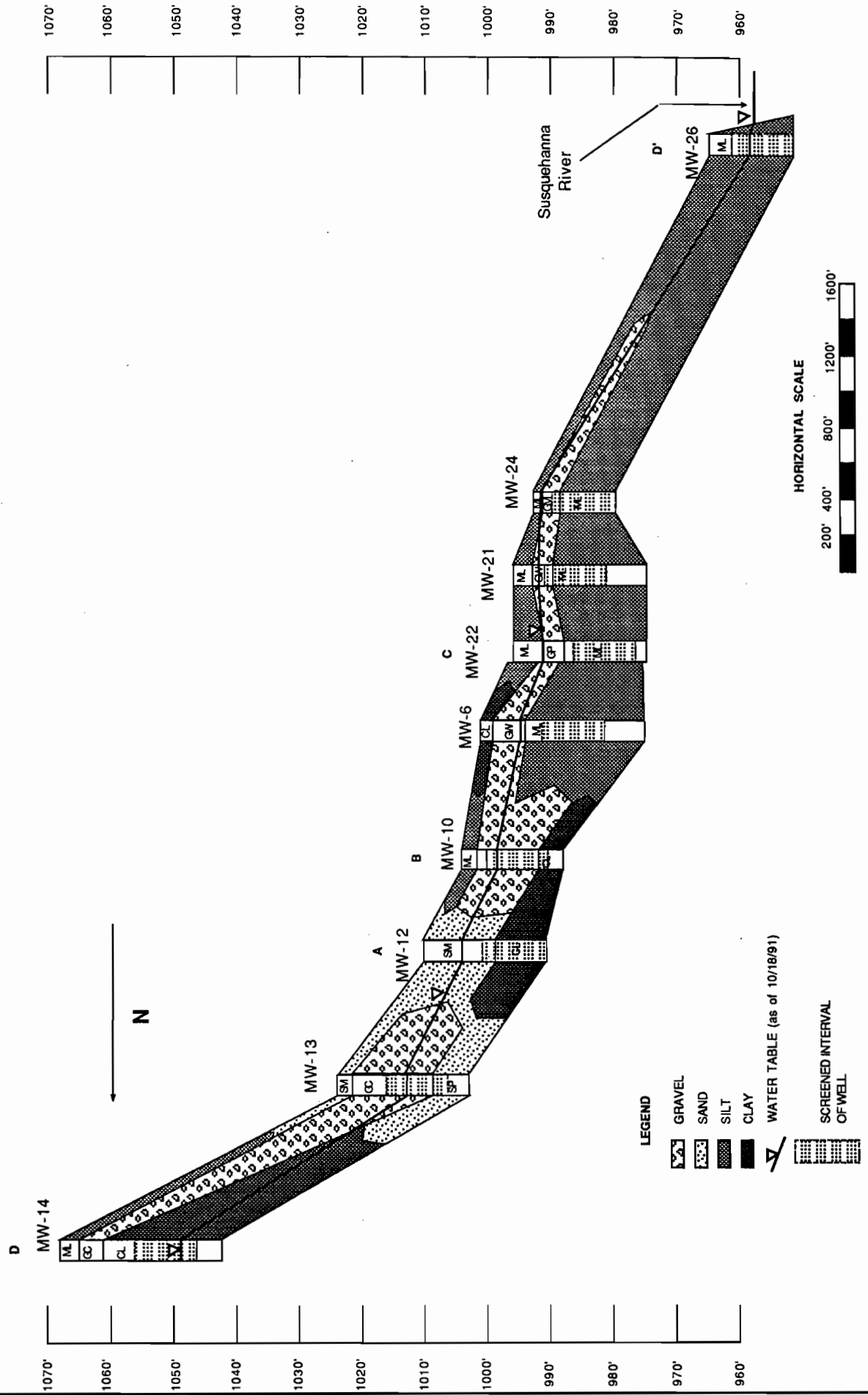
HORIZONTAL SCALE



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FIGURE 3-10
EASTERN N-S CROSS-SECTION (D-A'-B'-C'-D')

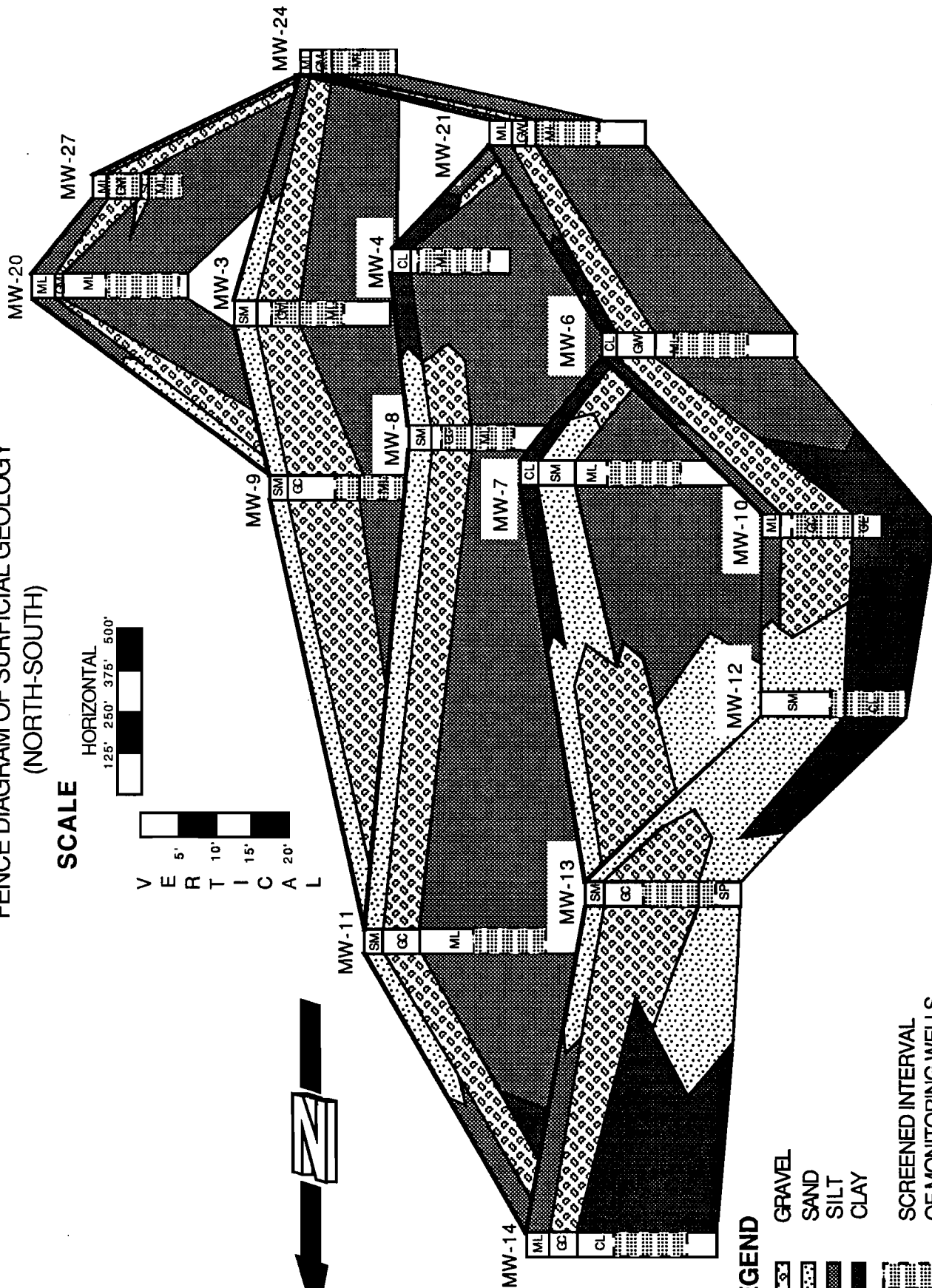
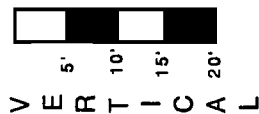


BORDEN - BAINBRIDGE, NEW YORK
 FIGURE 3-11
 WESTERN N-S CROSS-SECTION (D-A-B-C-D')



BORDEN INC. - BAINBRIDGE, NEW YORK
 FIGURE 3-12
 FENCE DIAGRAM OF SURFICIAL GEOLOGY
 (NORTH-SOUTH)

SCALE

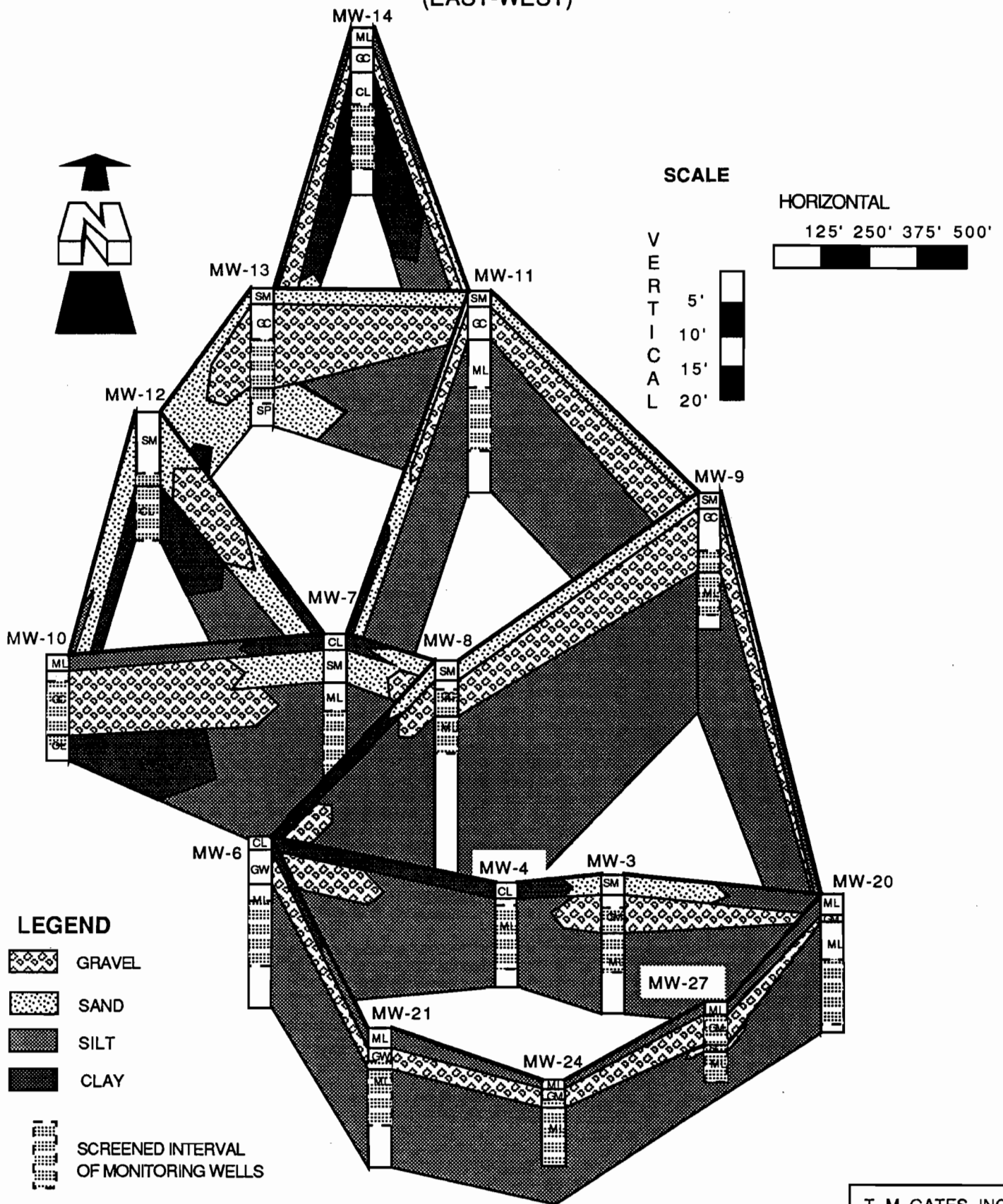


LEGEND

- GRAVEL
- SAND
- SILT
- CLAY

SCREENED INTERVAL
 OF MONITORING WELLS

BORDEN INC. - BAINBRIDGE, NEW YORK
 FIGURE 3-13
 FENCE DIAGRAM OF SURFICIAL GEOLOGY
 (EAST-WEST)



BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 3-14
 GROUNDWATER CONTOURS 10-18-91

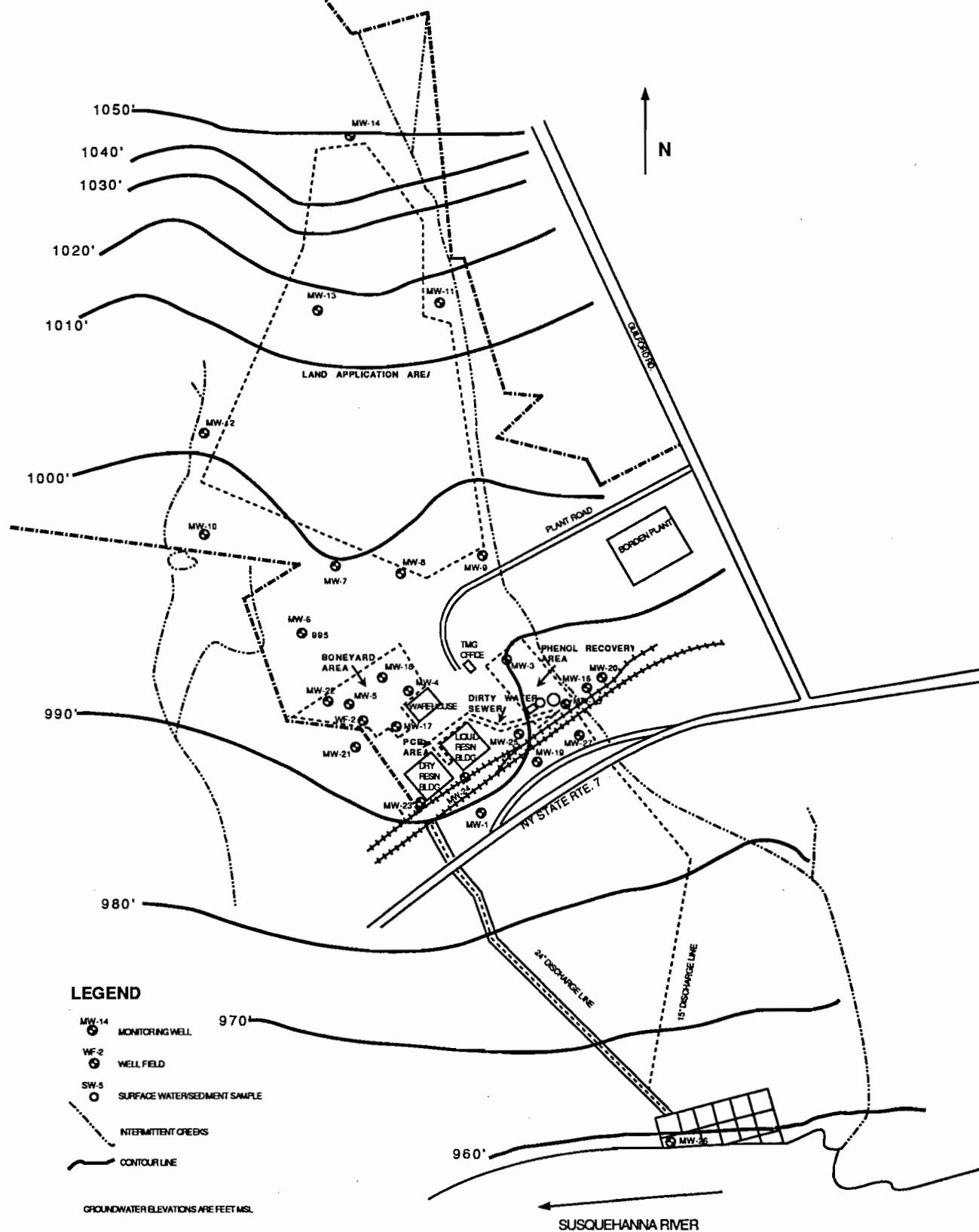


FIGURE 3-15

SEASONAL FLUCTUATIONS OF GROUNDWATER LEVELS

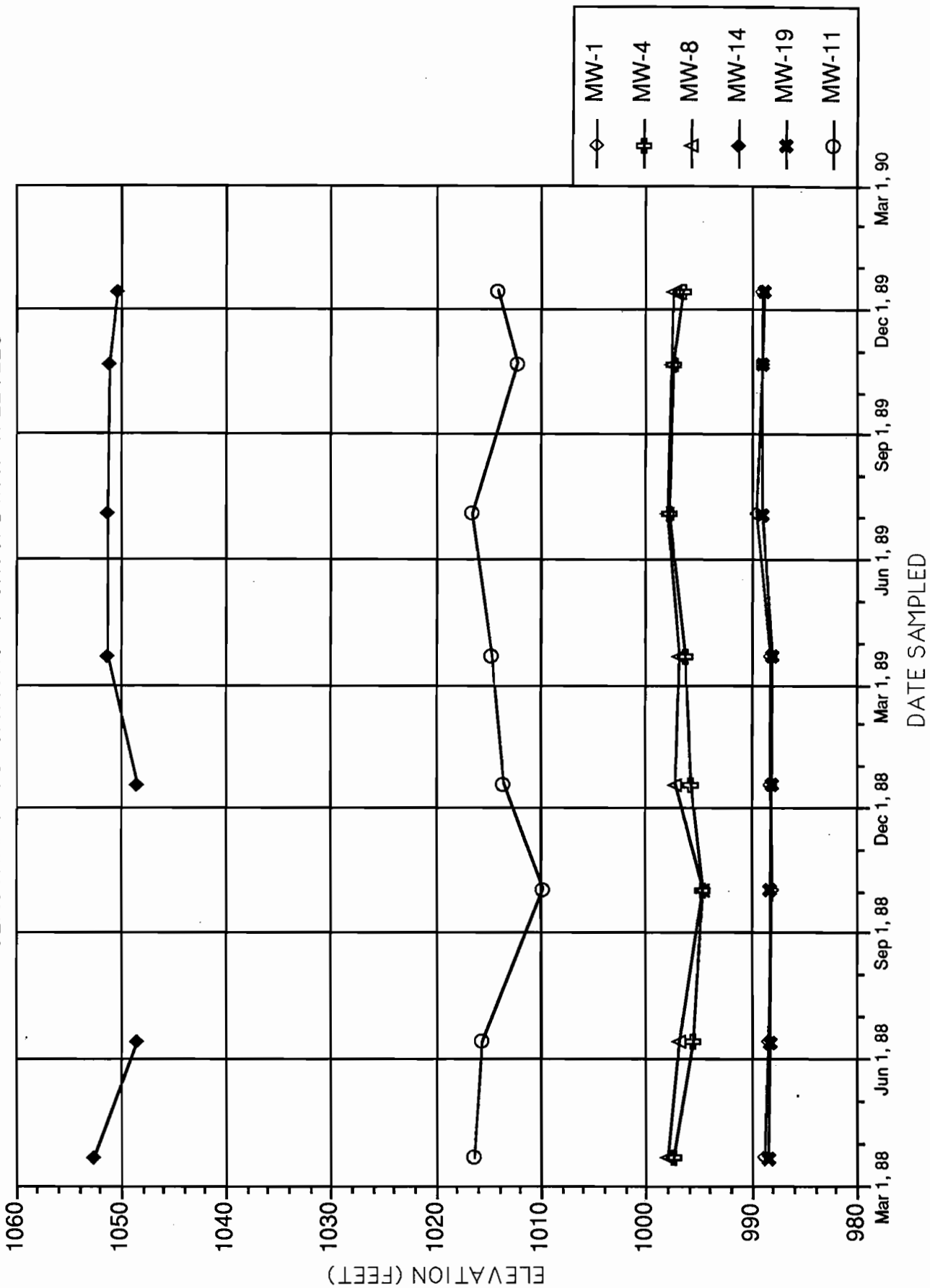
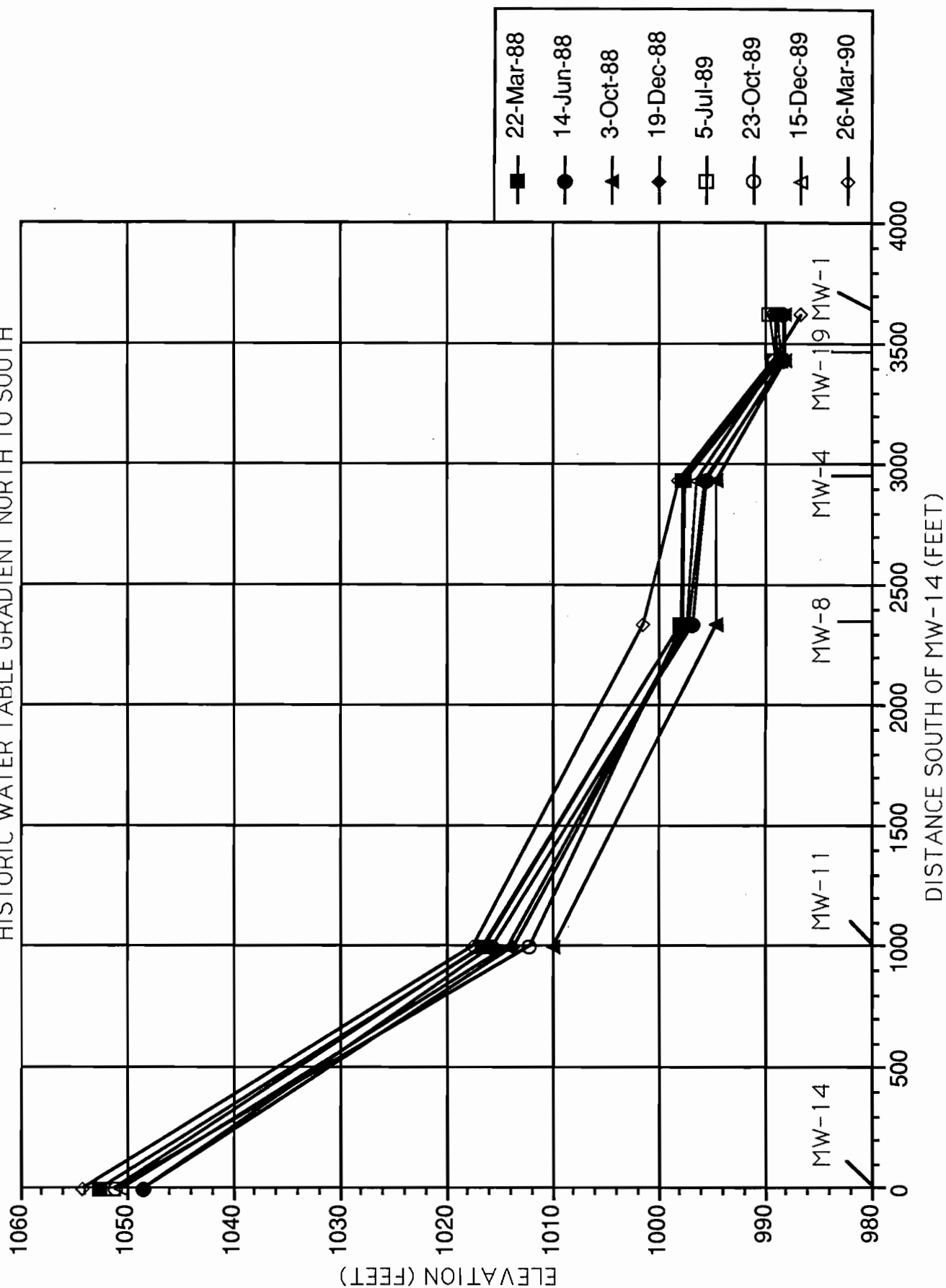
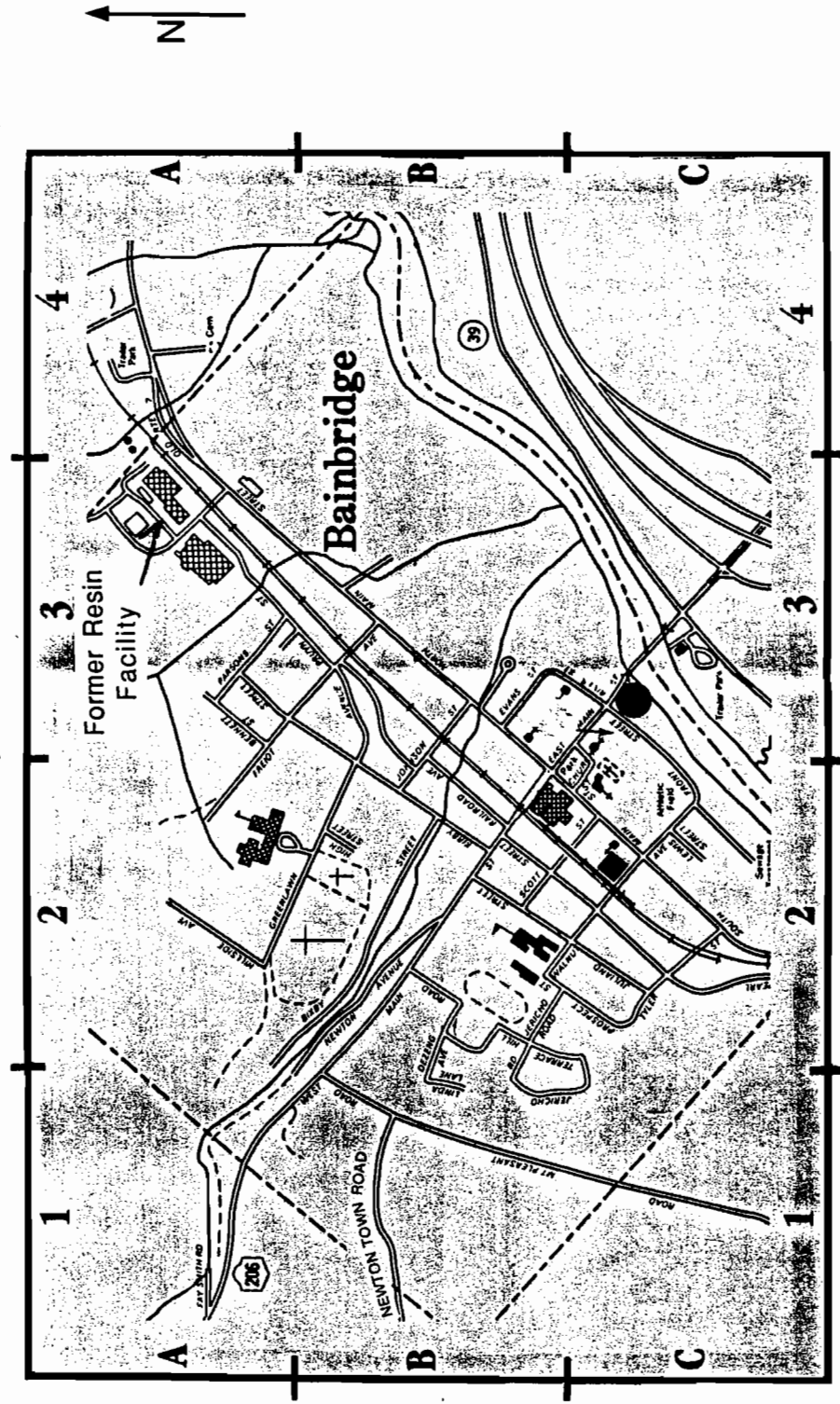


FIGURE 3-16

HISTORIC WATER TABLE GRADIENT NORTH TO SOUTH



BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 3-17
 WELLS FOR VILLAGE OF BAINBRIDGE



● TWO PRODUCTION WELLS

■ ONE BACKUP PRODUCTION WELL

Approximate scale: 1 inch = 1,400 feet

BORDEN INC. - BAINBRIDGE, NEW YORK

FIGURE 3-18

BORDEN PRODUCTION WELLS

BORDEN PLANT

TMG OFFICE

WAREHOUSE

DW-4

LIQUID RESIN BLDG

DW-2

DRY RESIN BLDG

DW-3

DW-1

NY STATE RTE 7

15" DISCHARGE LINE

24" DISCHARGE LINE

SUSQUEHANNA RIVER

T. M. GATES, INC.

LEGEND

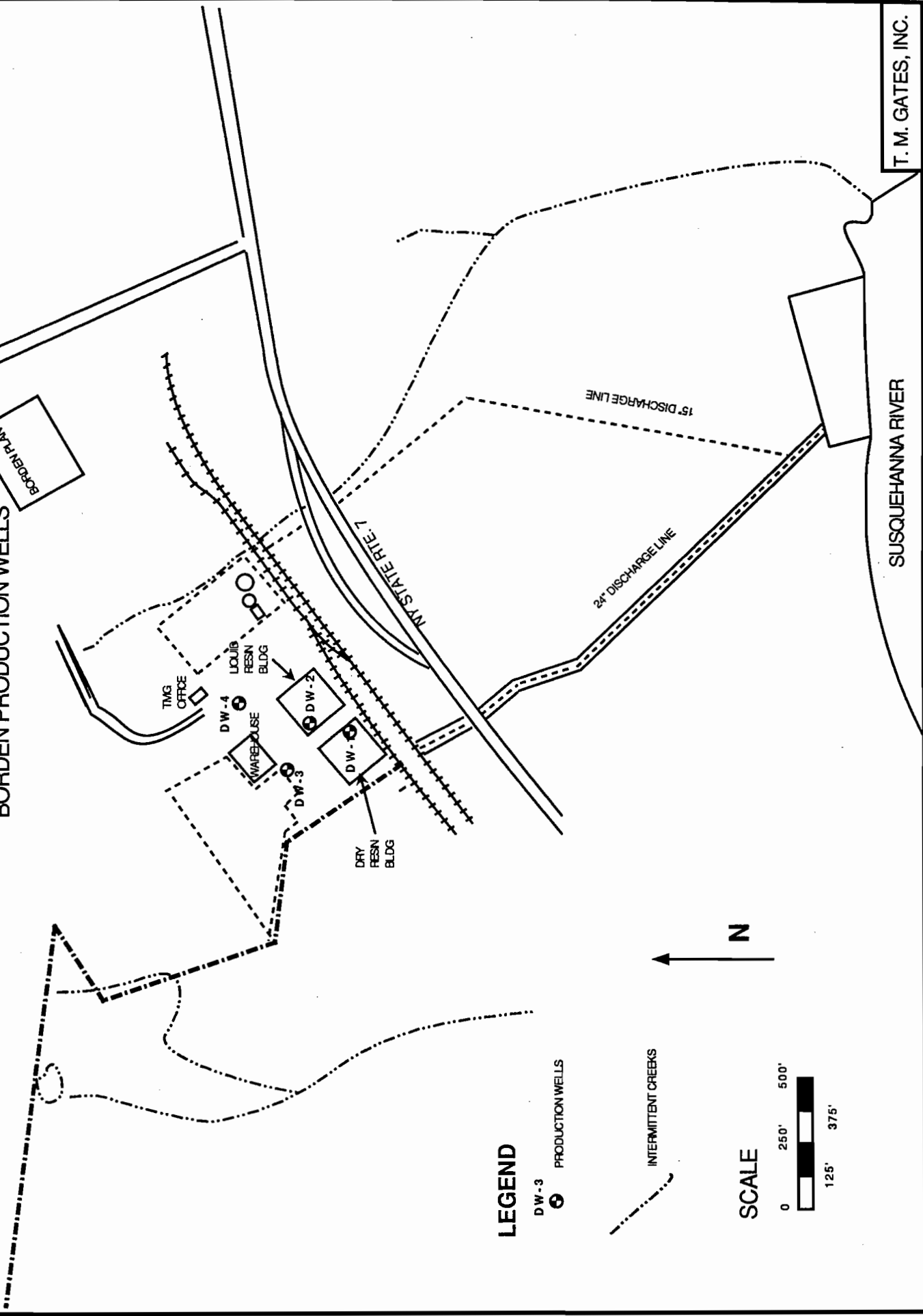
DW-3
● PRODUCTION WELLS

INTERMITTENT CREEKS

SCALE

0 250' 500'
125' 375'

N



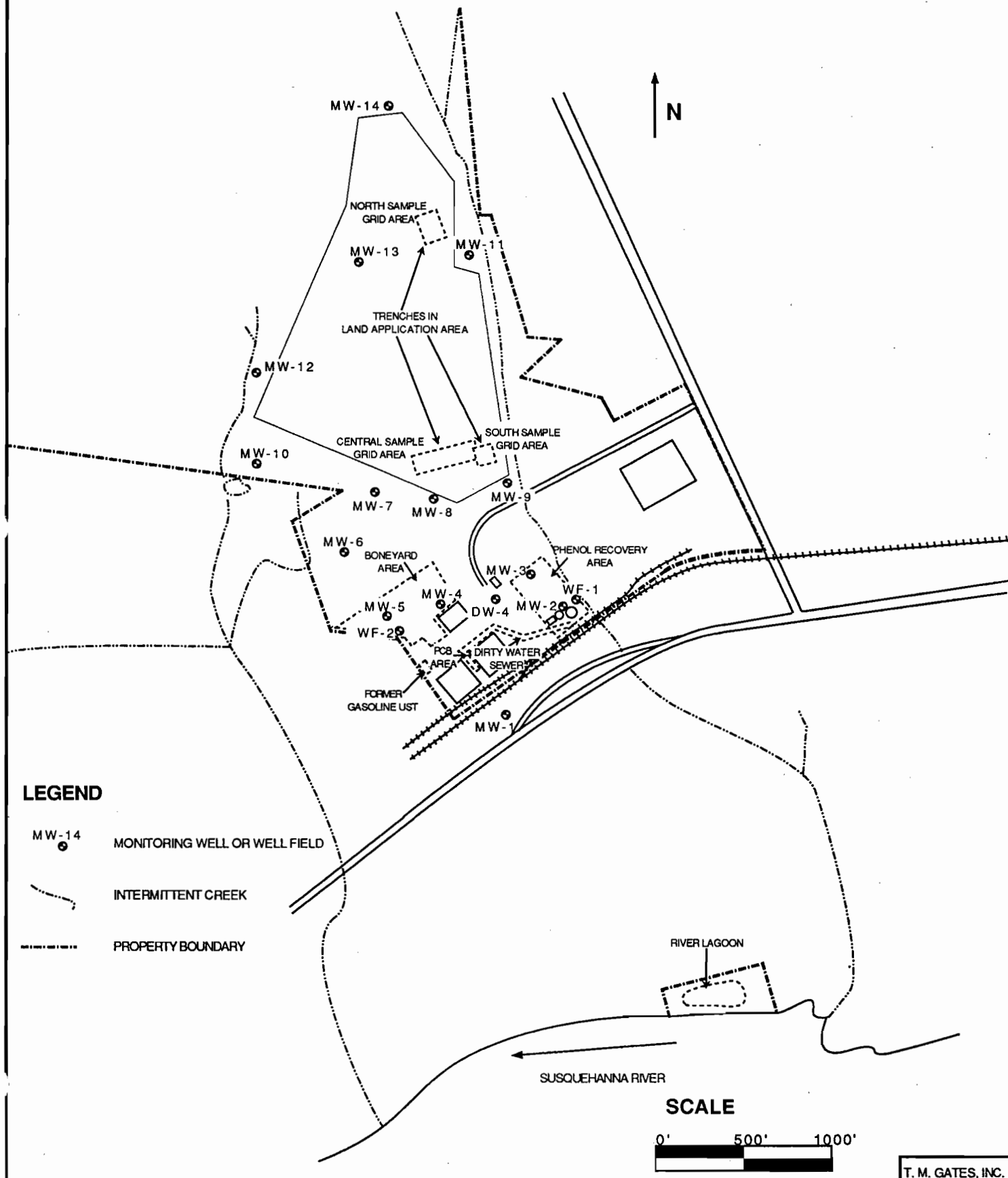
BORDEN, INC. - BAINBRIDGE, NEW YORK

FIGURE 3-19

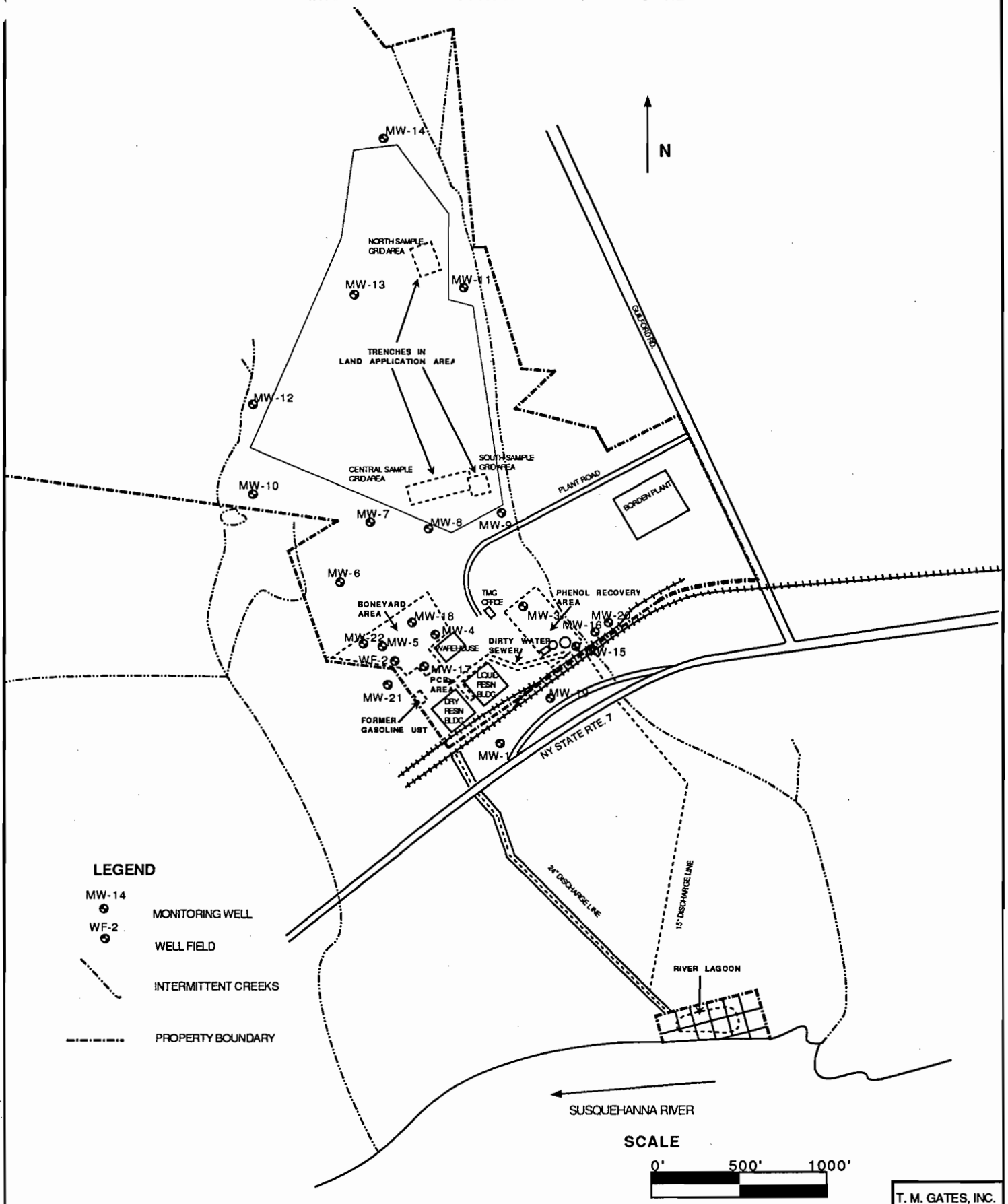
SCS SOIL CLASSIFICATIONS IN AREA OF SITE



BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 4-1
CONVERSE/TENECH GROUNDWATER WELLS

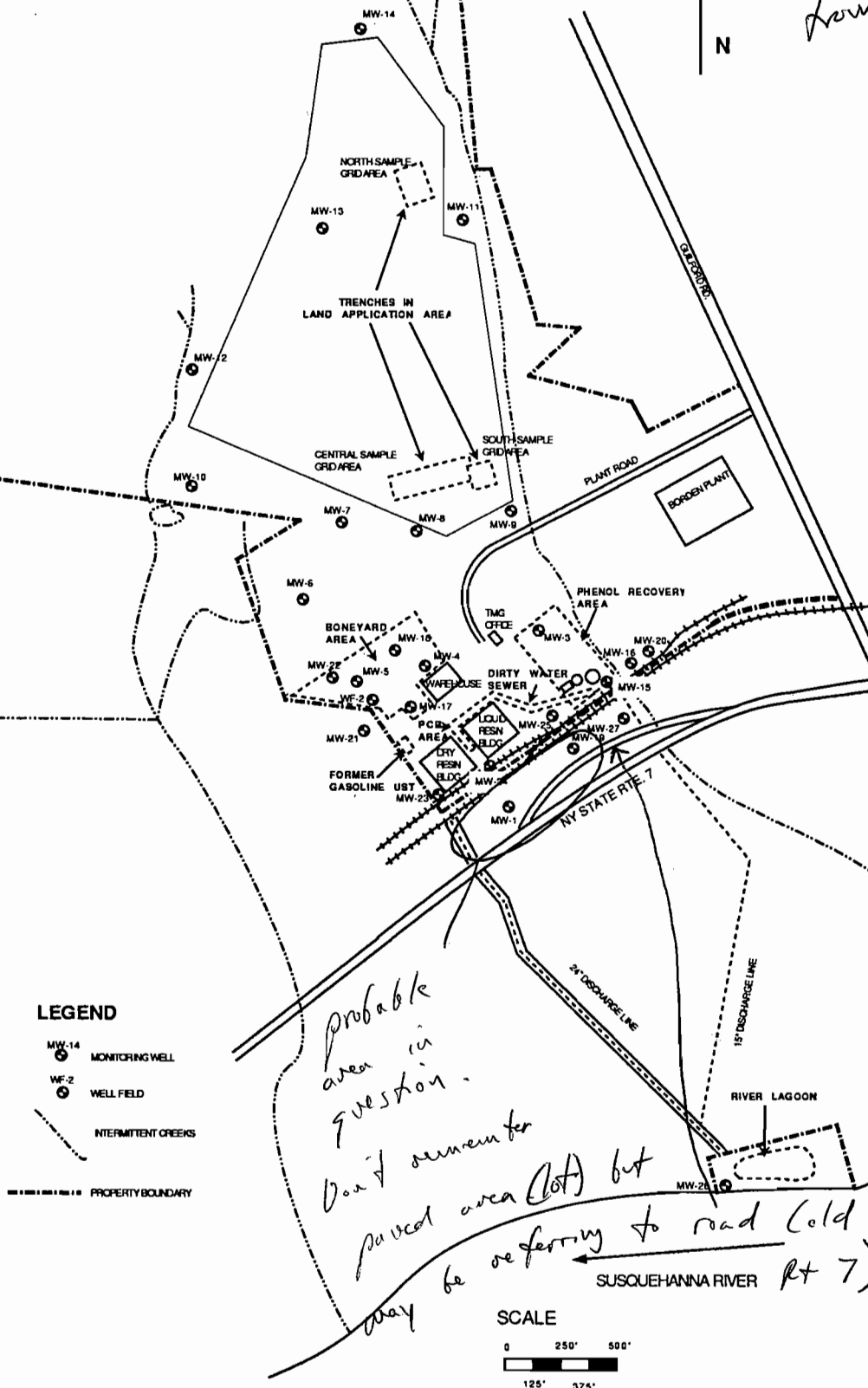


BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-2
 QUARTERLY SAMPLING PROGRAM GROUNDWATER WELLS



BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 4-3A
RFI GROUNDWATER WELLS

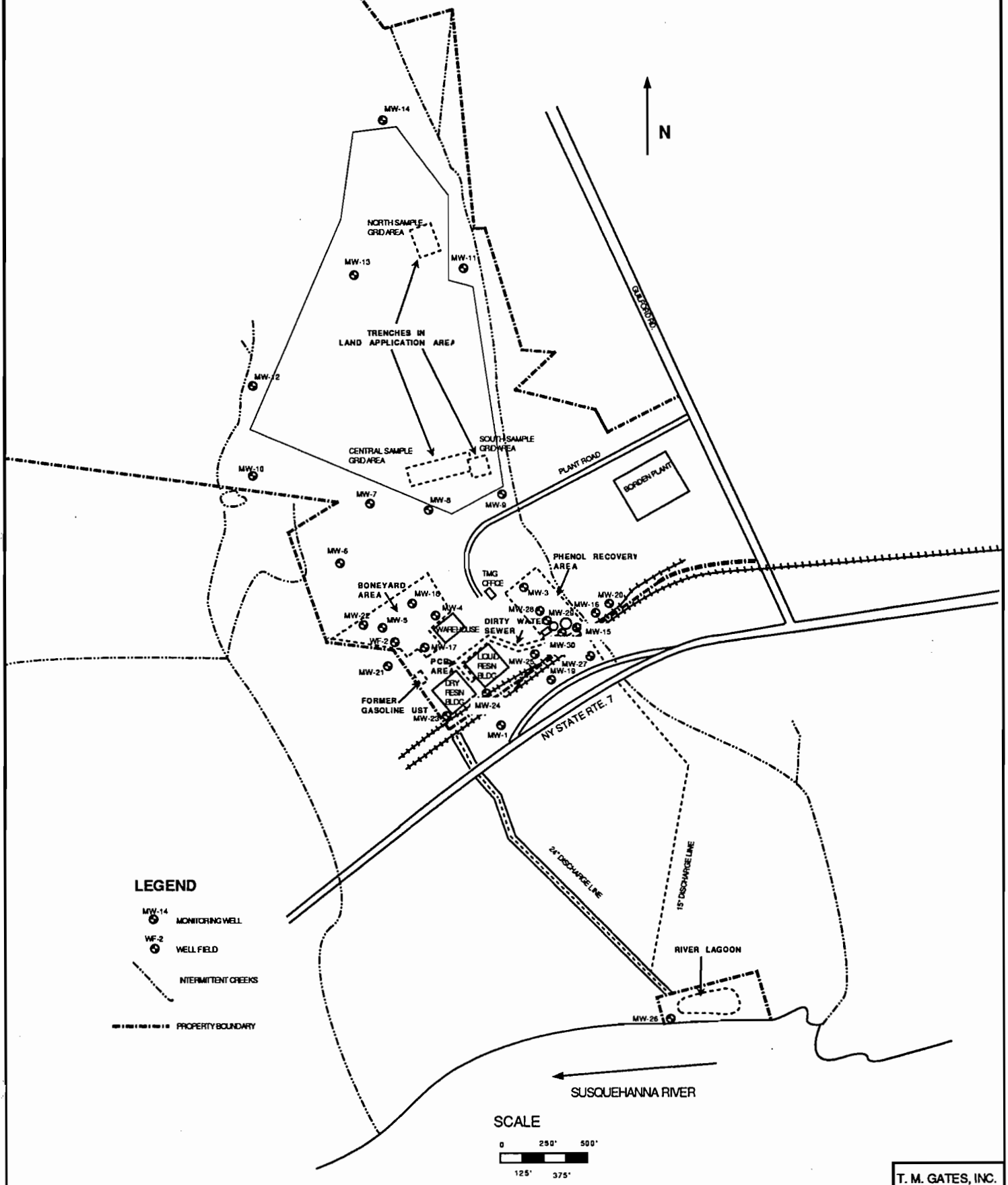
1/9/95
to Anne Pyler
from Scott F
PM Gates



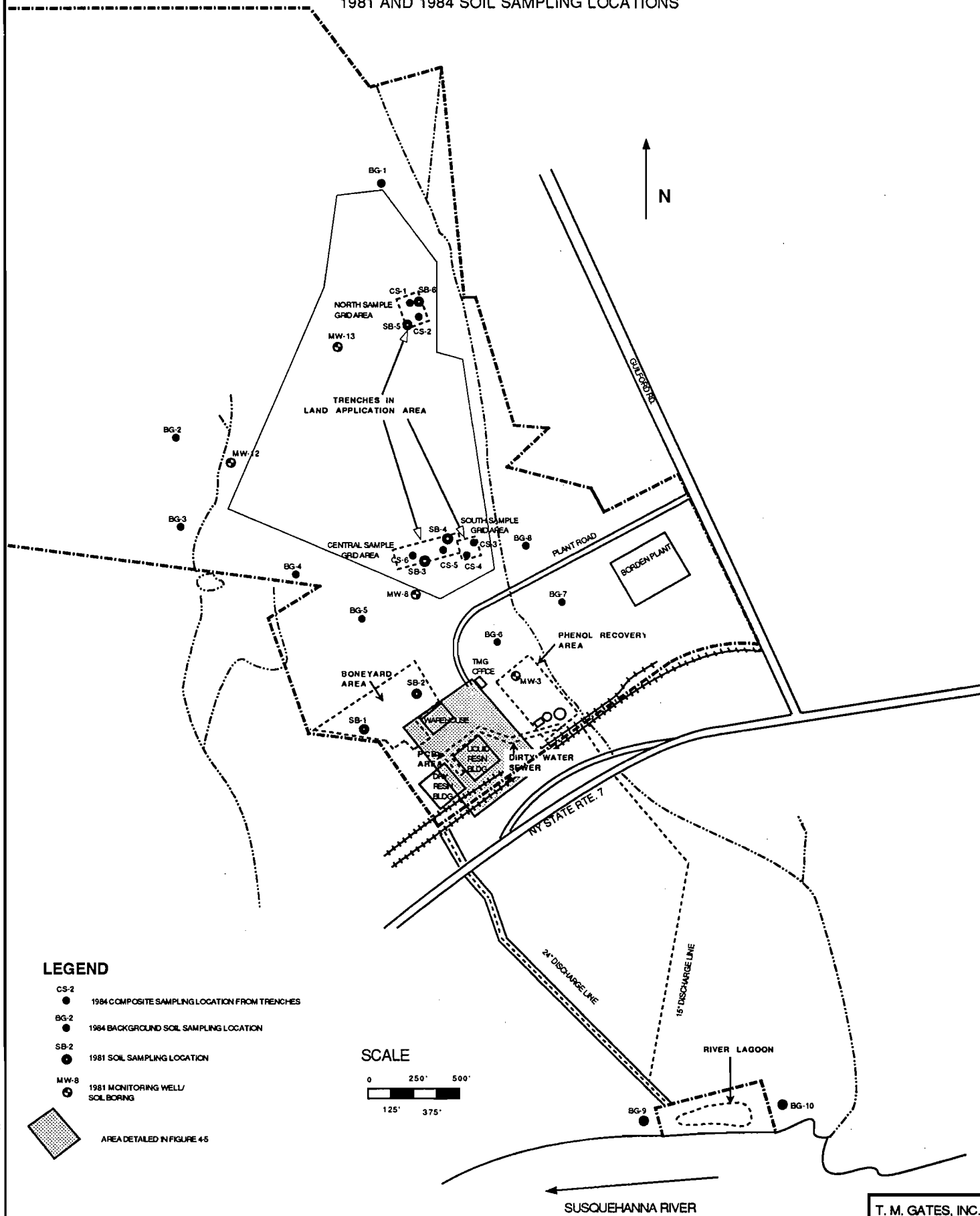
BORDEN, INC. - BAINBRIDGE, NEW YORK

FIGURE 4-3B

RFI GROUNDWATER WELLS AND SUPPLEMENTAL RFI WELLS
(MW-28,29 AND 30 IN PHENOL RECOVERY AREA)



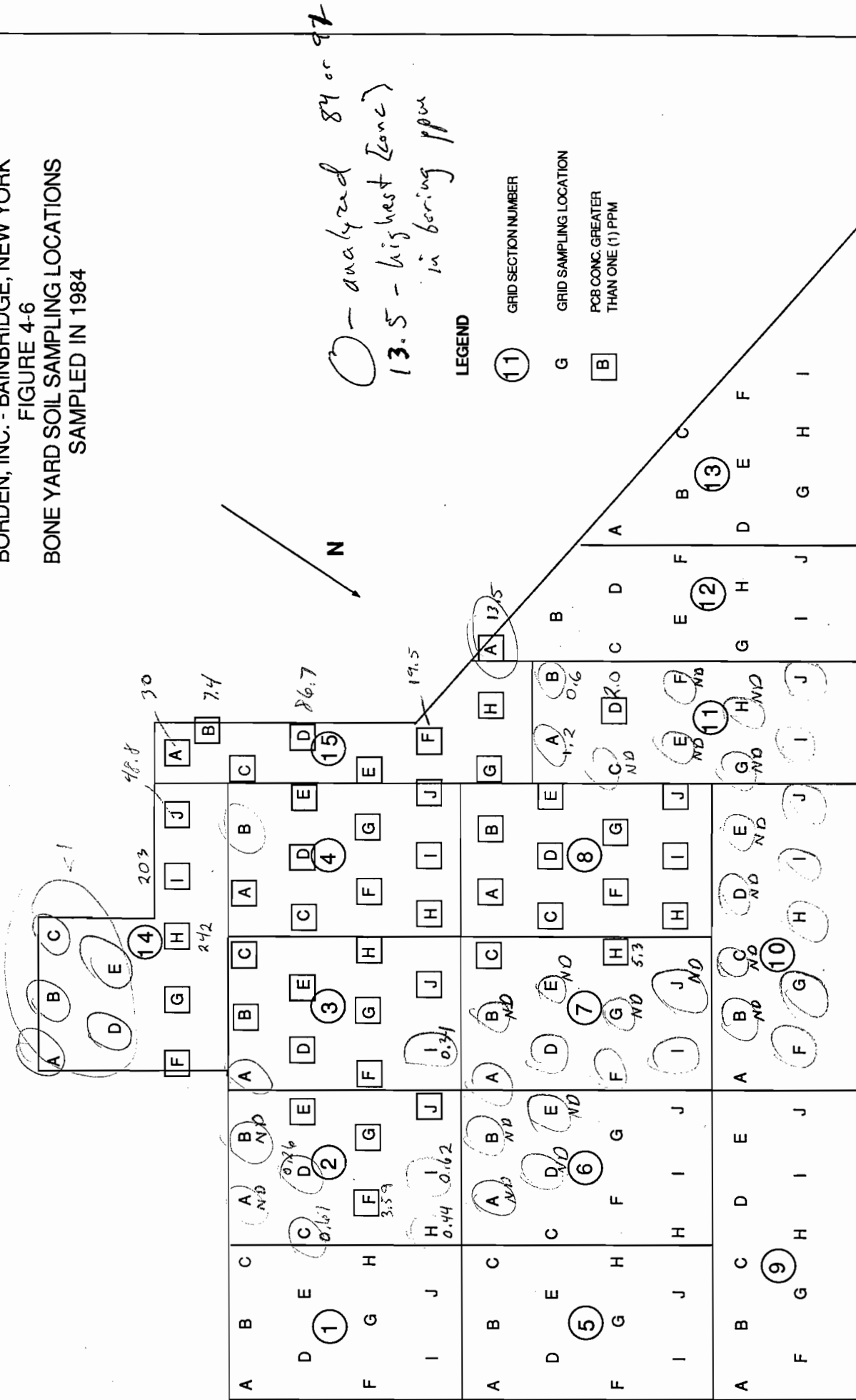
BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-4
 1981 AND 1984 SOIL SAMPLING LOCATIONS



Z



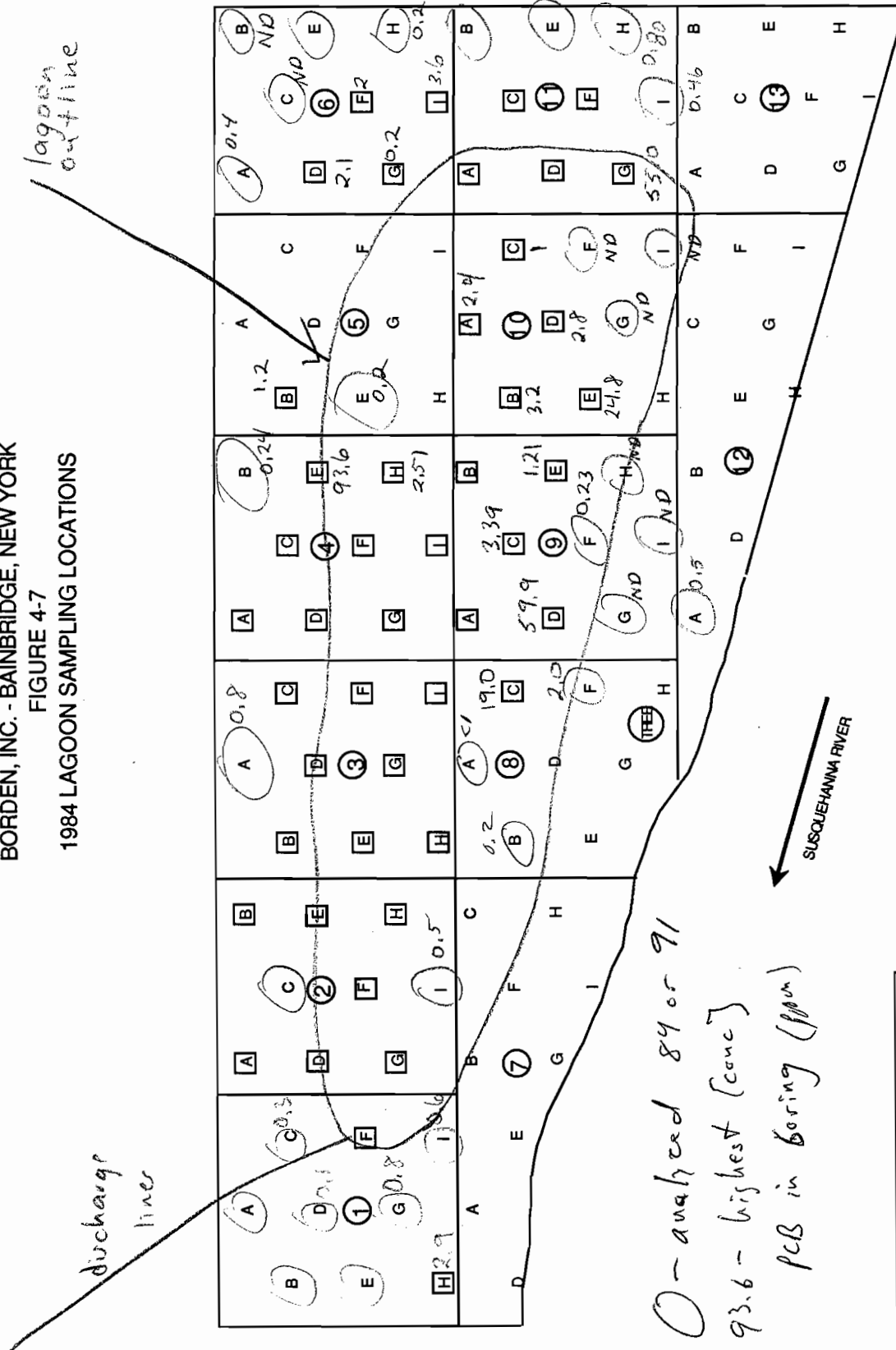
BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-6
 BONE YARD SOIL SAMPLING LOCATIONS
 SAMPLED IN 1984



BORDEN, INC. - BAINBRIDGE, NEW YORK

FIGURE 4-7

1984 LAGOON SAMPLING LOCATIONS



LEGEND

GRID SECTION NUMBER

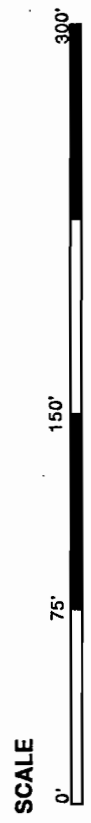
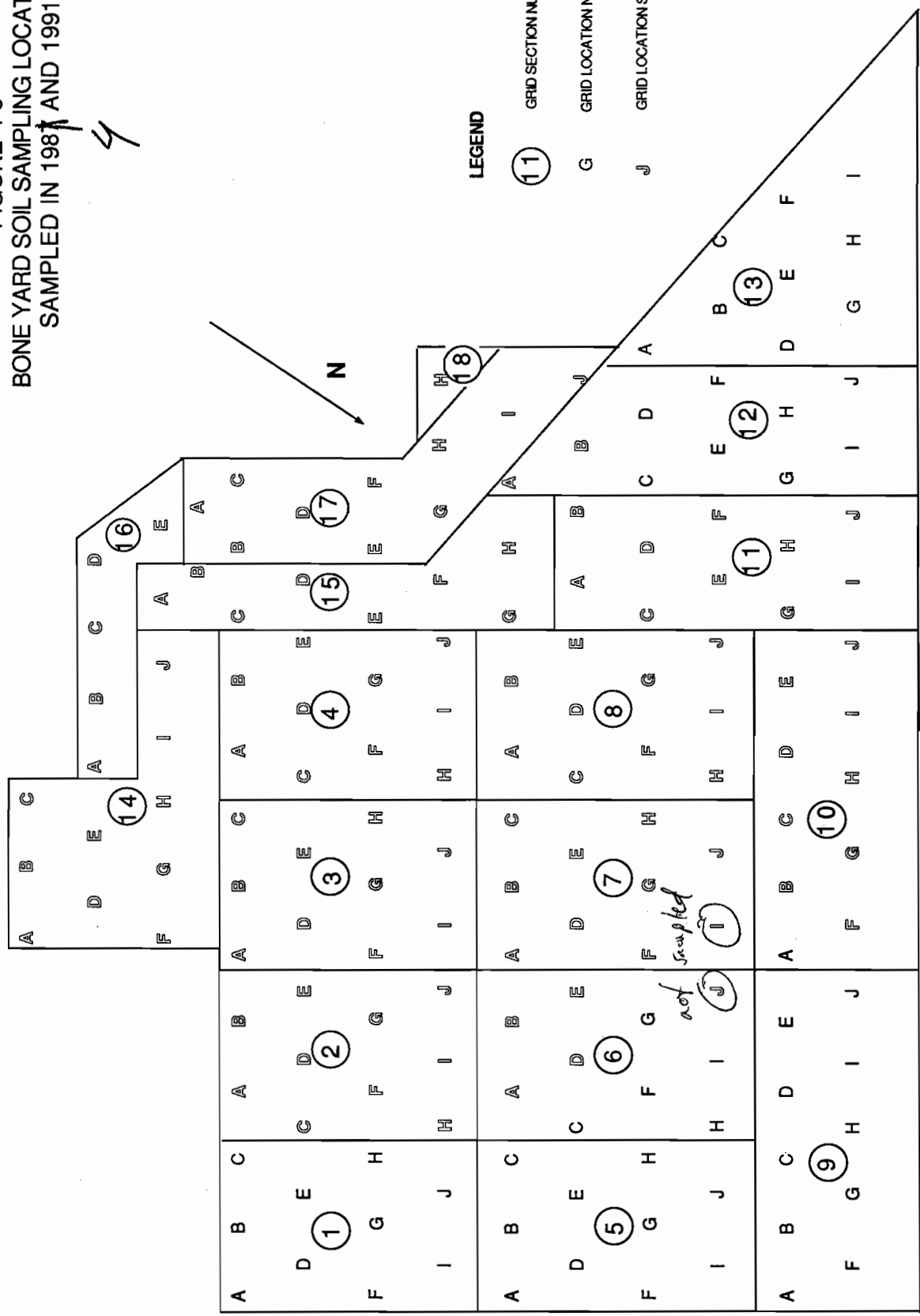
GRID SAMPLING LOCATIONS

PCB CONC. GREATER THAN ONE (1) PPM

SCALE



BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-8
 BONE YARD SOIL SAMPLING LOCATIONS
 SAMPLED IN 1981 AND 1991

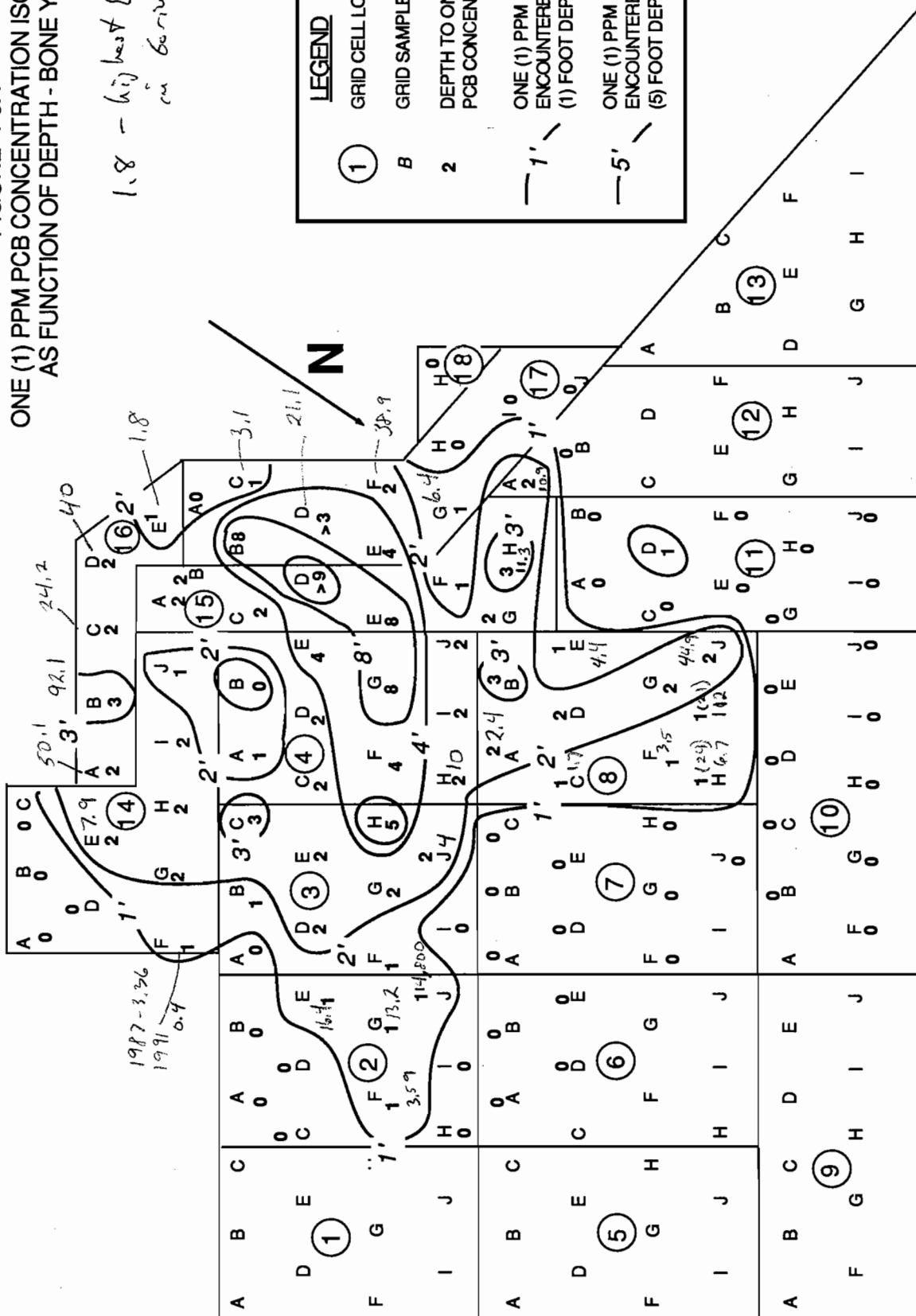


BORDEN, INC. - BAINBRIDGE, NEW YORK

FIGURE 4-9A

ONE (1) PPM PCB CONCENTRATION ISOPLETHS
AS FUNCTION OF DEPTH - BONE YARD

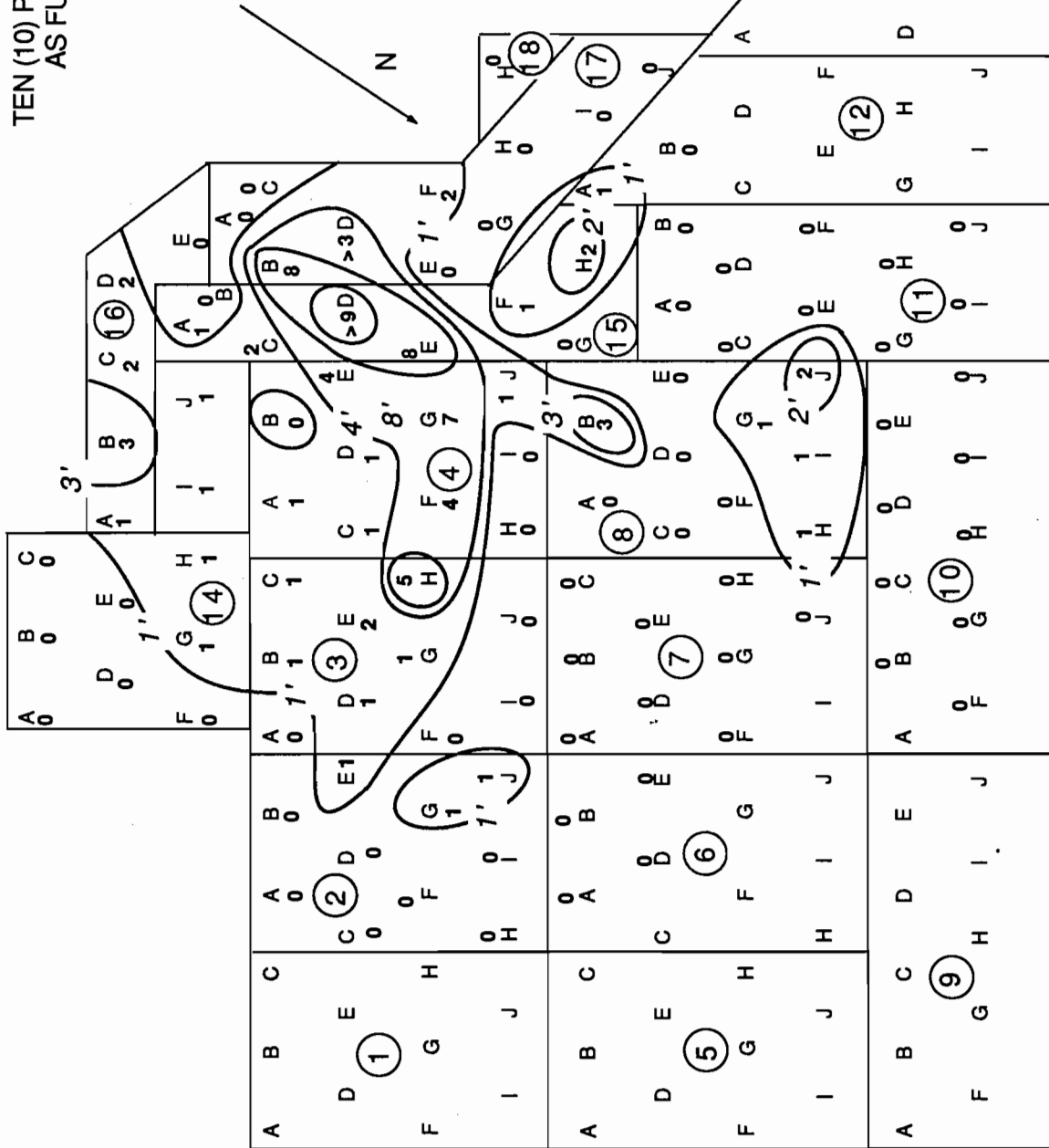
1.8 - highest [conc] PCB
in boring (ppm)



SCALE

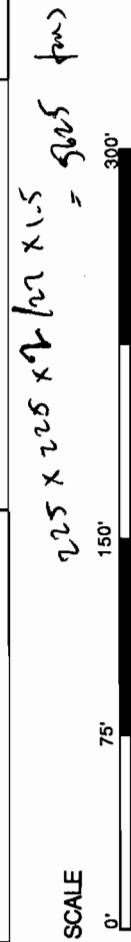
0' 75' 150' 300'

BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-9B
 TEN (10) PPM PCB CONCENTRATION ISOPLETH
 AS FUNCTION OF DEPTH - BONE YARD



LEGEND

- ① GRID CELL LOCATION
- B GRID SAMPLE LOCATION
- 2 DEPTH TO TEN (10) PPM PCB CONCENTRATION
- 1' — TEN (10) PPM PCB ENCOUNTERED AT ONE (1) FOOT DEPTH
- 5' — TEN (10) PPM PCB ENCOUNTERED AT FIVE (5) FOOT DEPTH



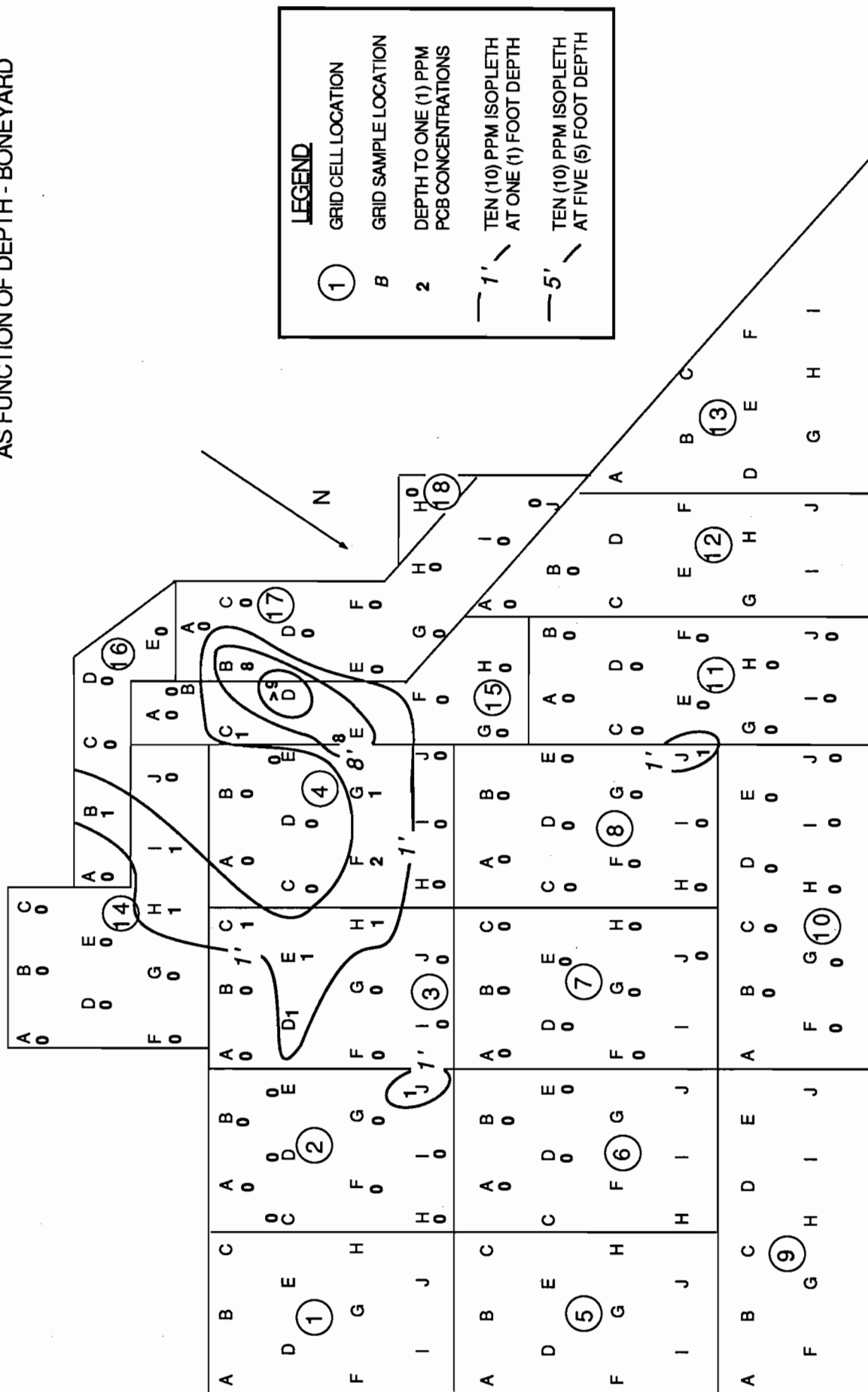
6,400 ft³ (1.5x)

2,300 (1.25x)

BORDEN, INC. - BAINBRIDGE, NEW YORK

FIGURE 4-9C

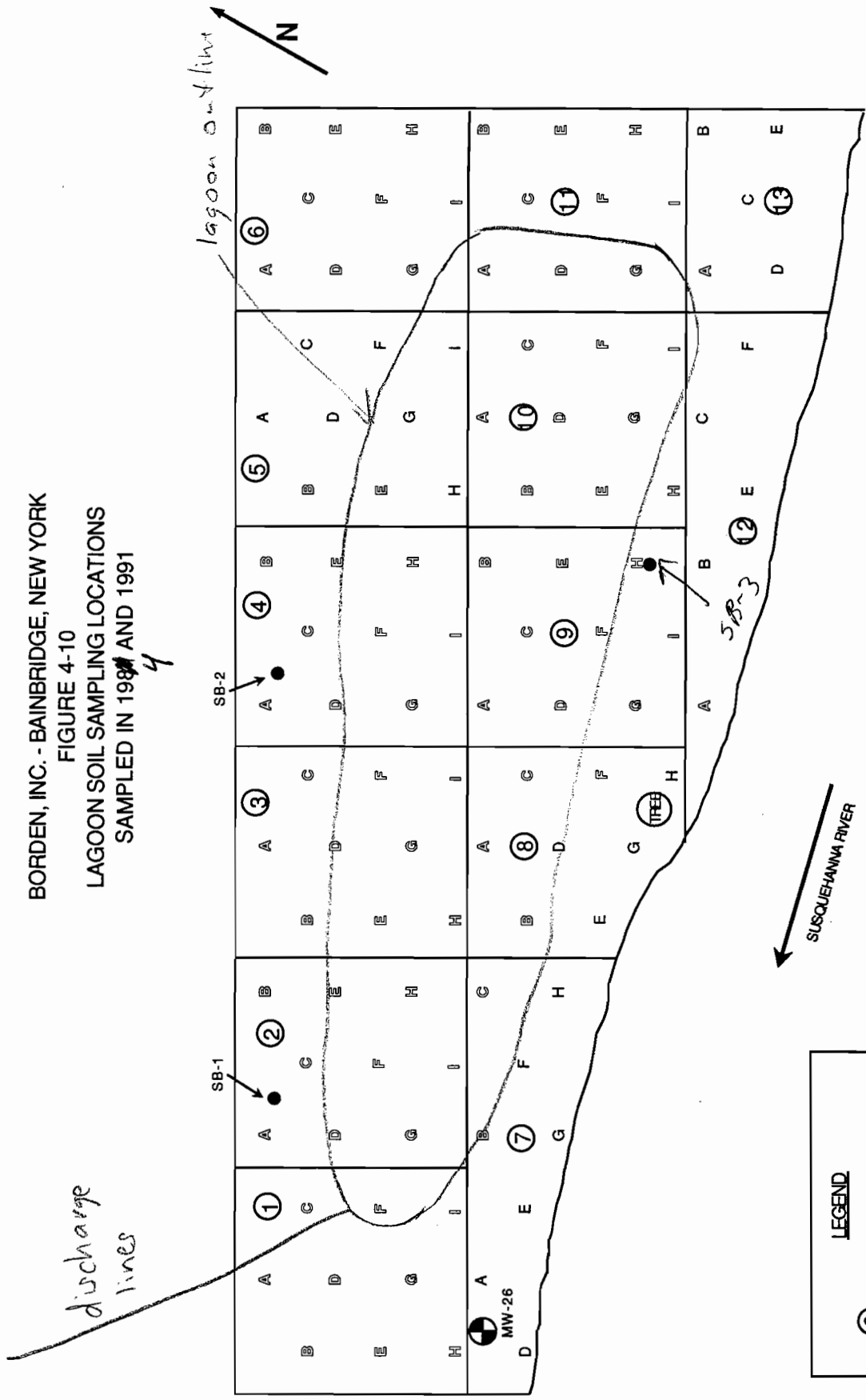
FIFTY (50) PPM PCB CONCENTRATION ISOPLETHS
AS FUNCTION OF DEPTH - BONEYARD



SCALE



BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-10
 LAGOON SOIL SAMPLING LOCATIONS
 SAMPLED IN 1988 AND 1991



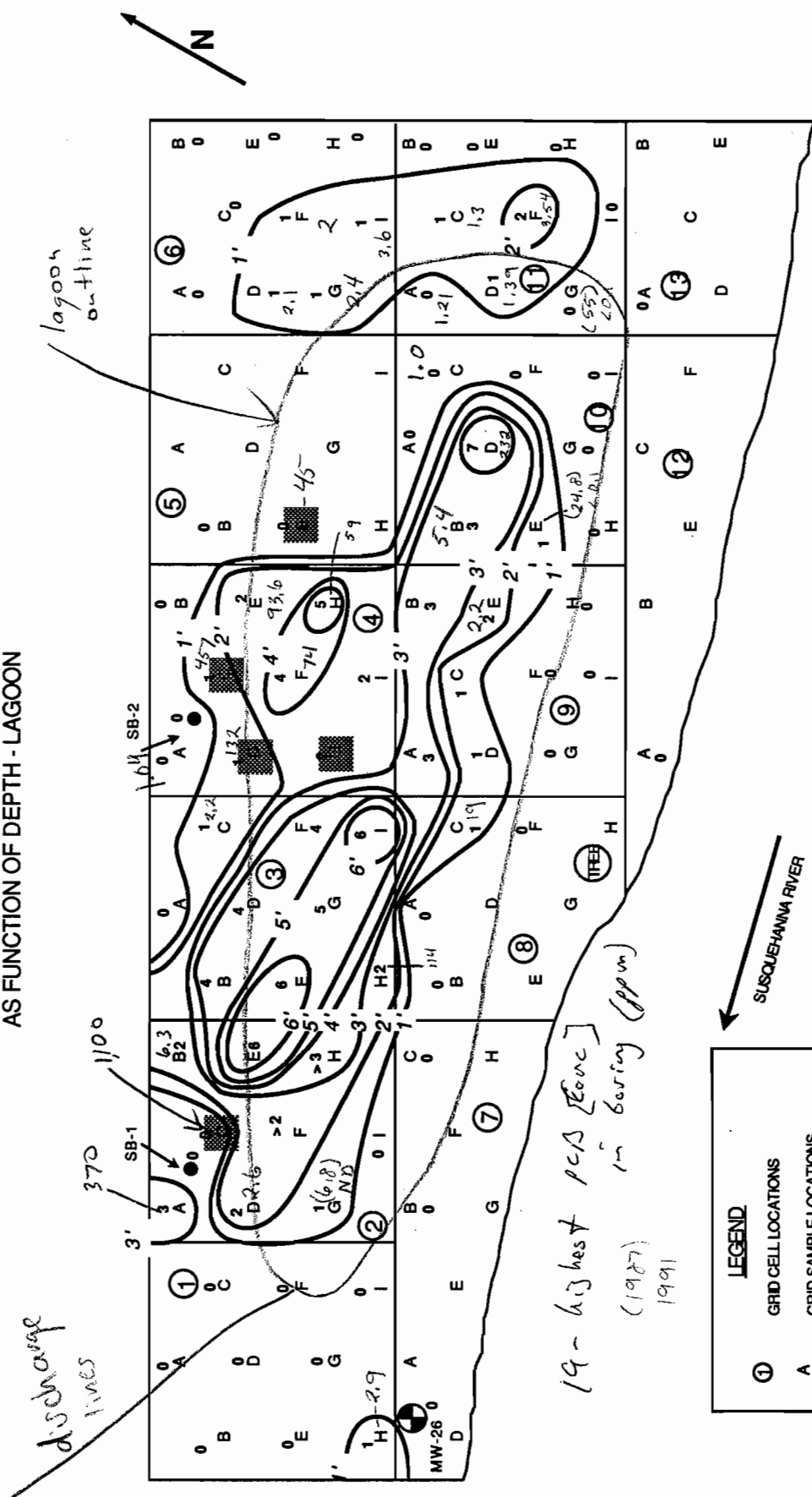
LEGEND

- ⑨ GRID SECTION NUMBER
- A GRID LOCATION NOT SAMPLED
- F GRID LOCATION SAMPLED
- MW-26
- MONITORING WELL
- SB-1
- 20' SOIL BORING (1991)

BORDEN, INC. - BAINBRIDGE, NEW YORK

FIGURE 4-11A

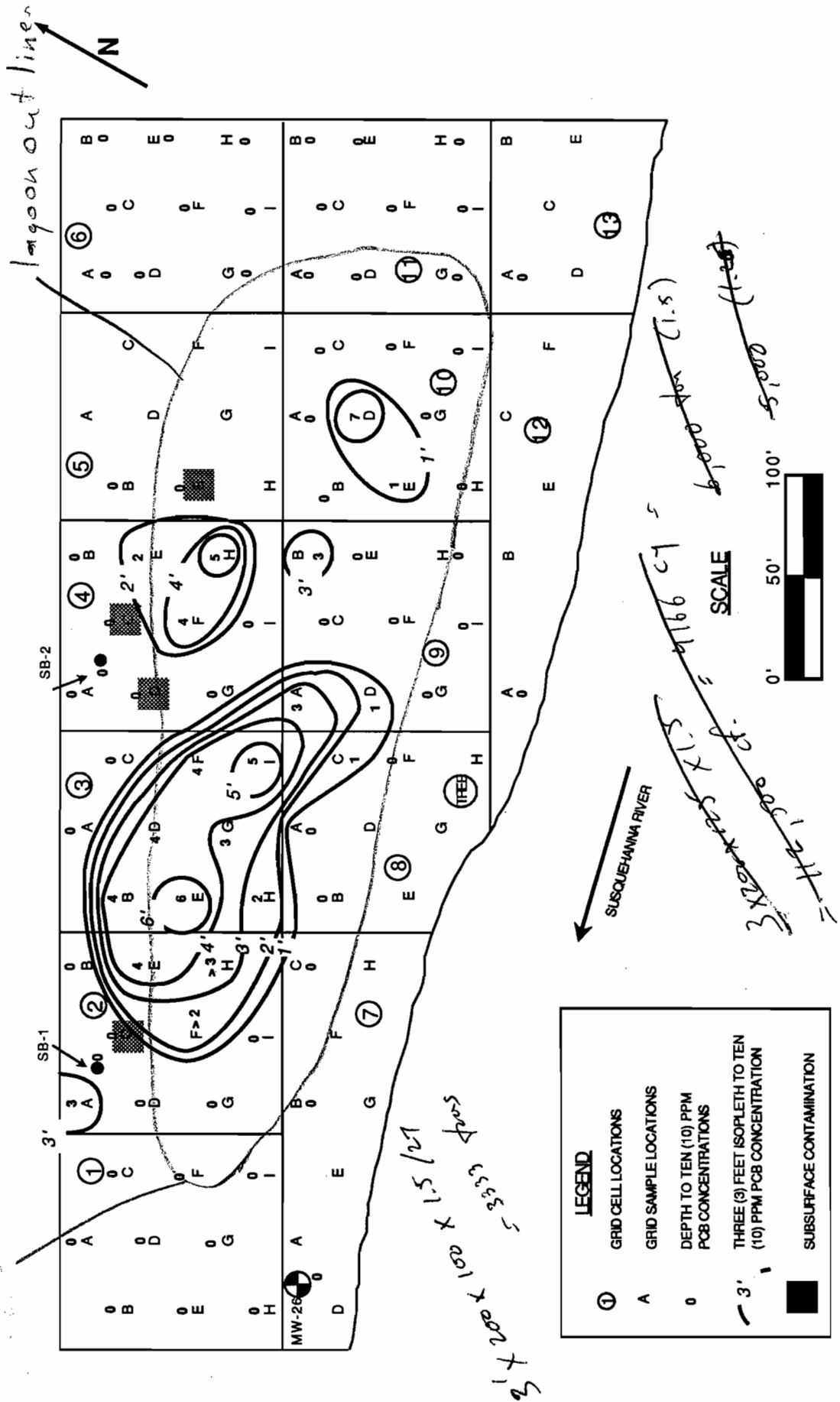
ONE (1) PPM PCB CONCENTRATIONS ISOPLETH
AS FUNCTION OF DEPTH - LAGOON



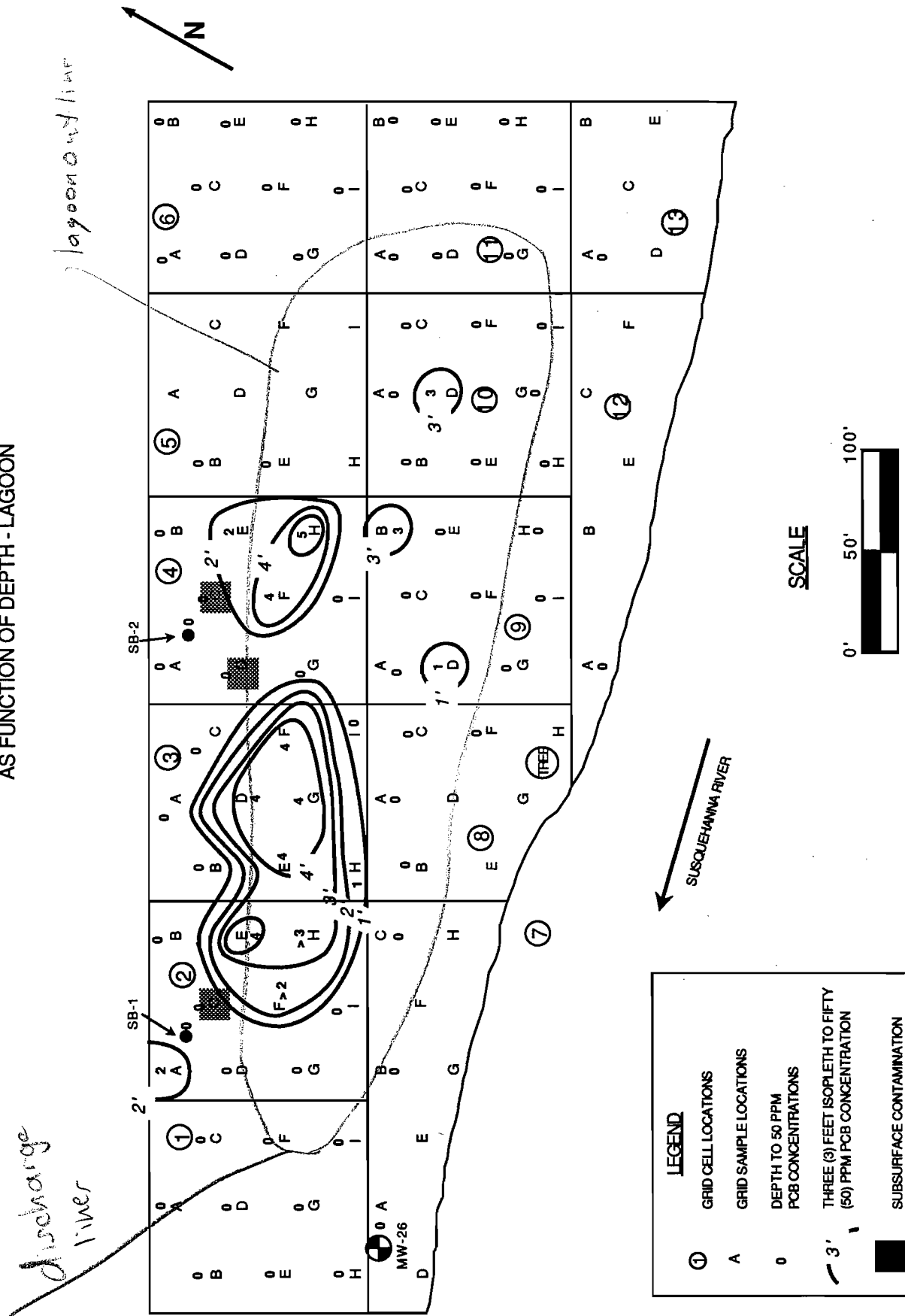
LEGEND

- ① GRID CELL LOCATIONS
- A GRID SAMPLE LOCATIONS
- 0 DEPTH TO ONE (1) PPM PCB CONCENTRATIONS
- 3' THREE (3) FEET ISOPLETH TO ONE (1) PPM PCB CONCENTRATION
- SUBSURFACE CONTAMINATION

BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-11B
 TEN (10) PPM PCB CONCENTRATION ISOPLETH
 AS FUNCTION OF DEPTH - LAGOON

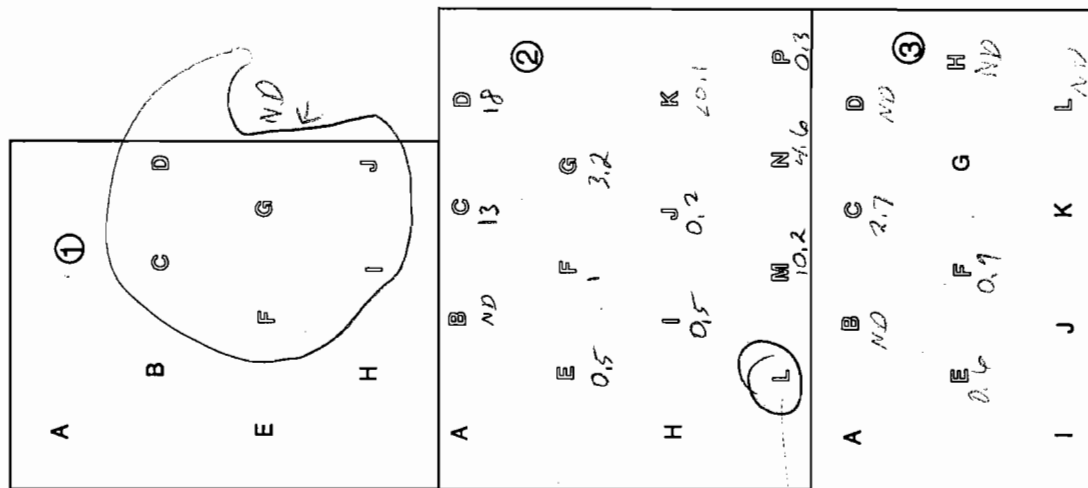


BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-11C
 FIFTY (50) PPM PCB CONCENTRATION ISOPLETHS
 AS FUNCTION OF DEPTH - LAGOON



BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-12
 GRID OF THE LAND TREATMENT AREA
 NORTH TRENCH

N



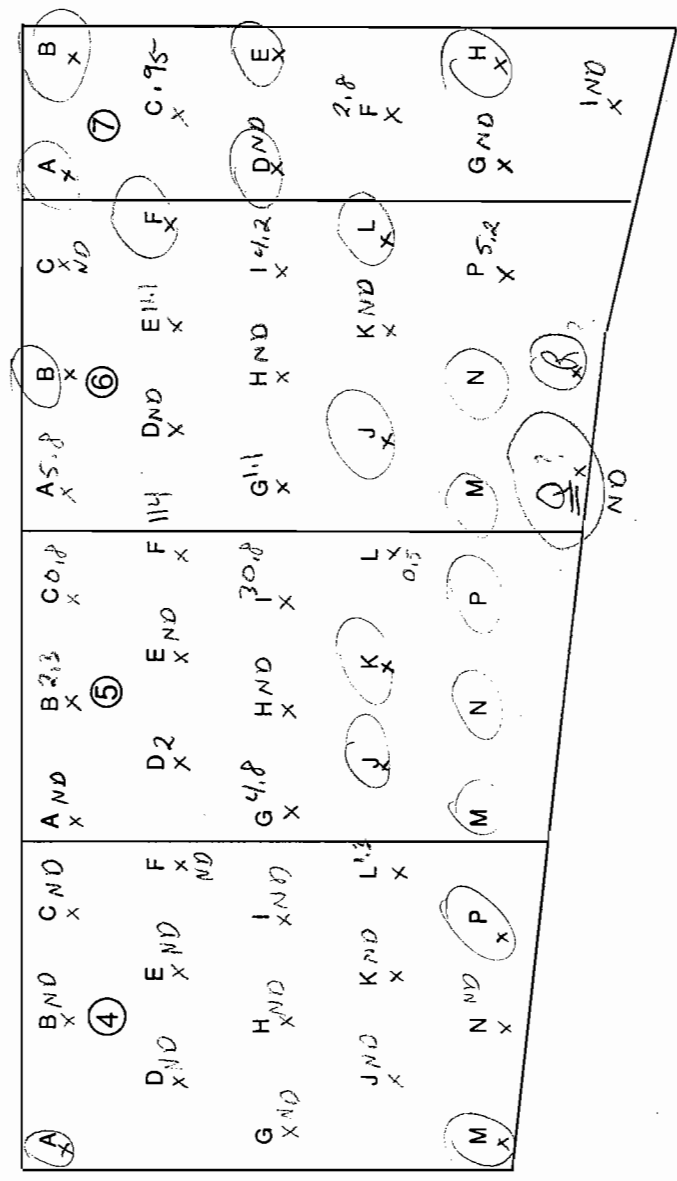
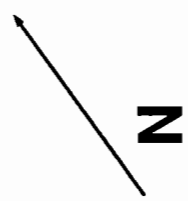
LEGEND

- ③ GRID SECTION NUMBER
- A GRID LOCATION NOT SAMPLED
- K GRID LOCATION SAMPLED

APPROXIMATE SCALE



BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-13
 GRID OF THE LAND TREATMENT AREA
 CENTRAL TRENCHES



LEGEND

- ④ GRID SECTION NUMBER
- N GRID SAMPLE LOCATION

ALL LOCATIONS SAMPLED

Change to 10/1/84

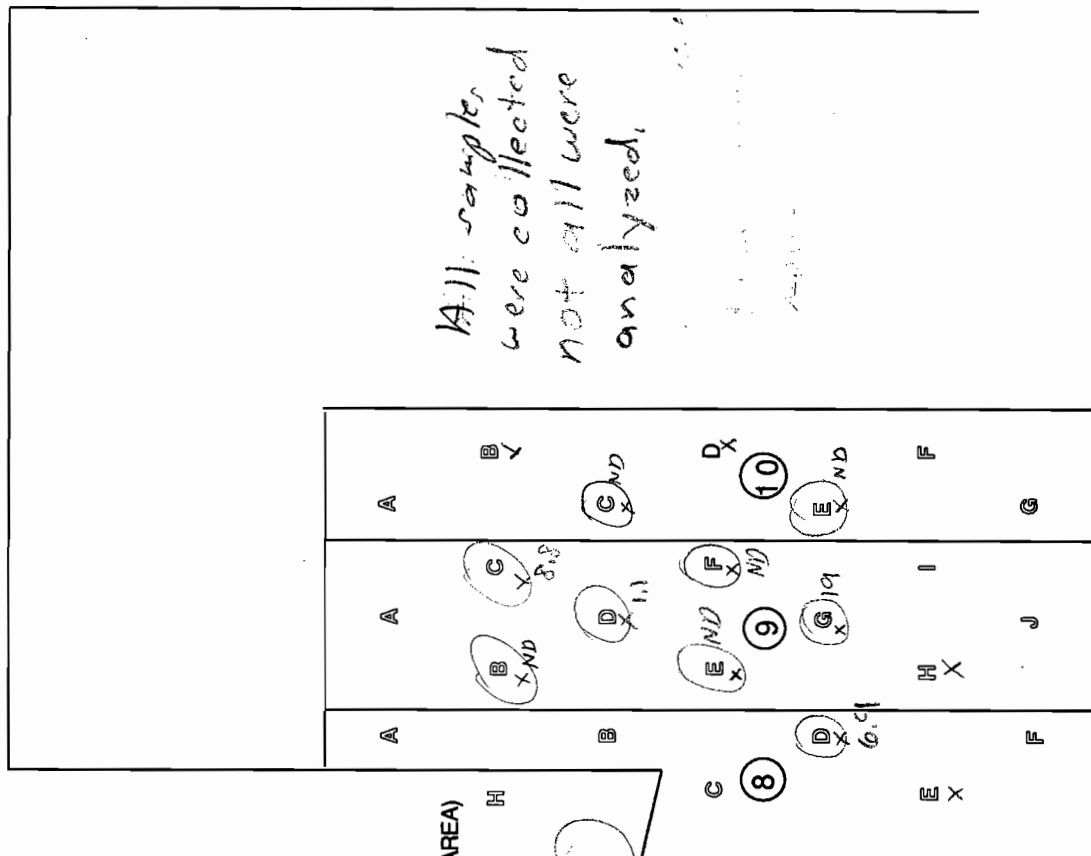
APPROXIMATE SCALE



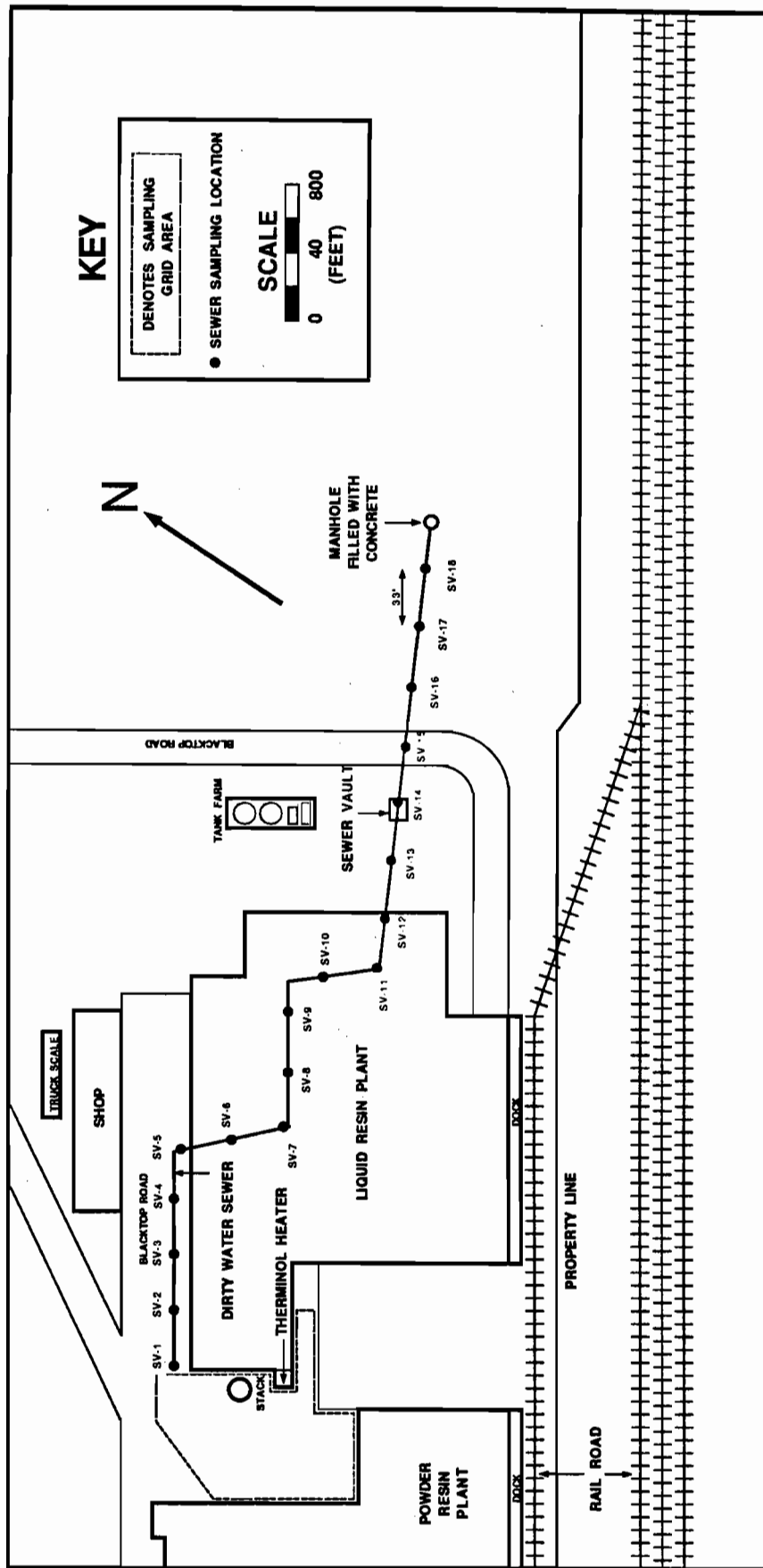
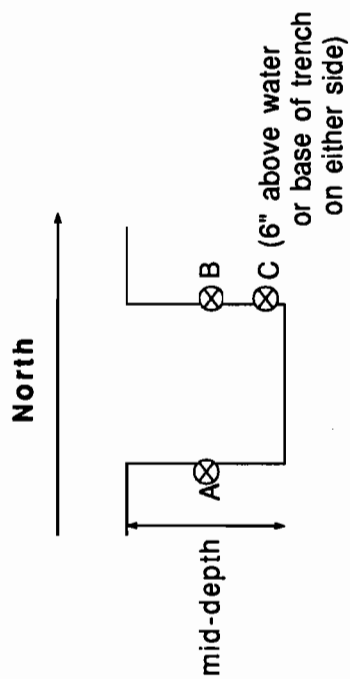
Sampled and analyzed

BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-14
 GRID OF THE LAND TREATMENT AREA
 SOUTH TRENCHES

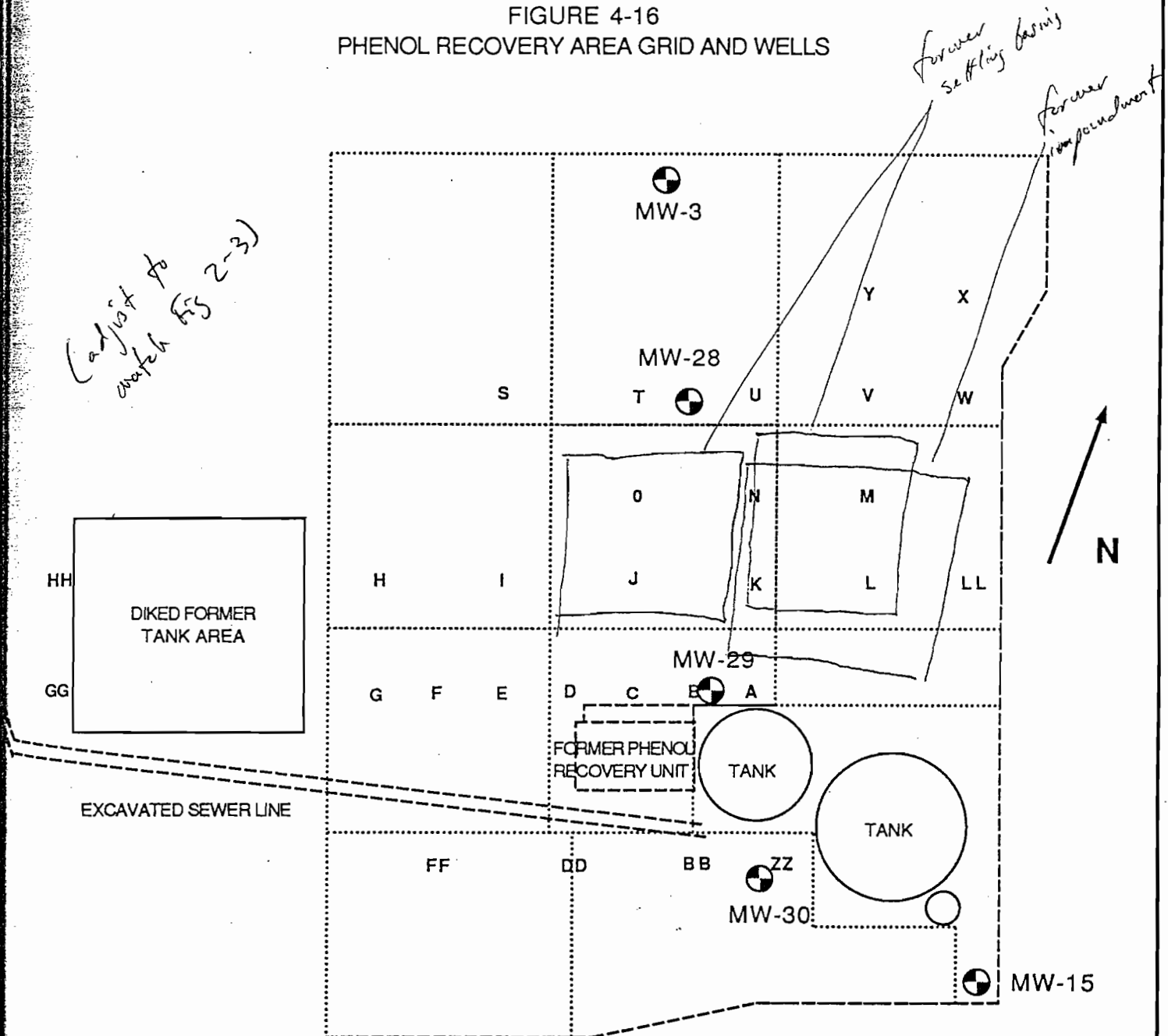
GRAVEL
 DRIVE



BORDEN, INC - BAINBRIDGE, NEW YORK
 FIGURE 4-15
 DIRTY WATER SEWER TRENCH SAMPLING LOCATIONS

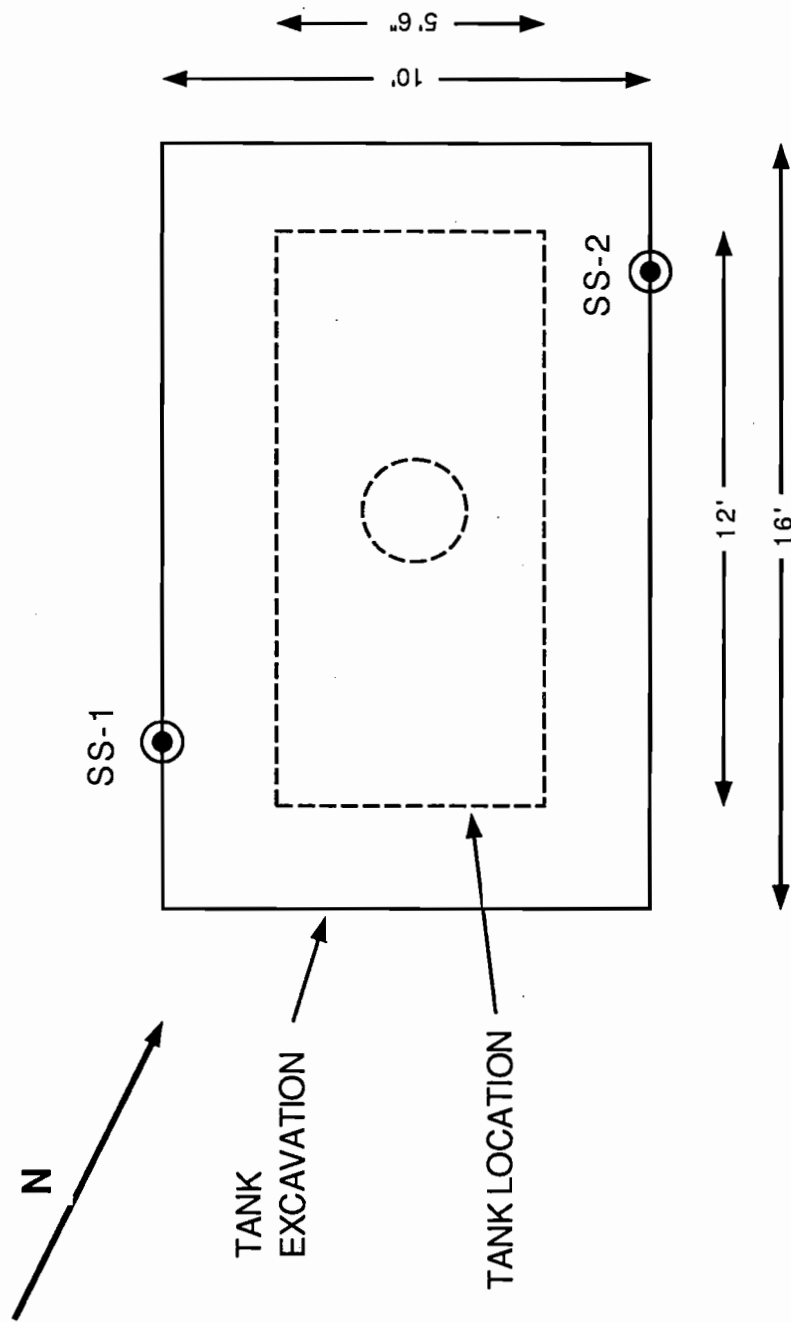


BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-16
 PHENOL RECOVERY AREA GRID AND WELLS

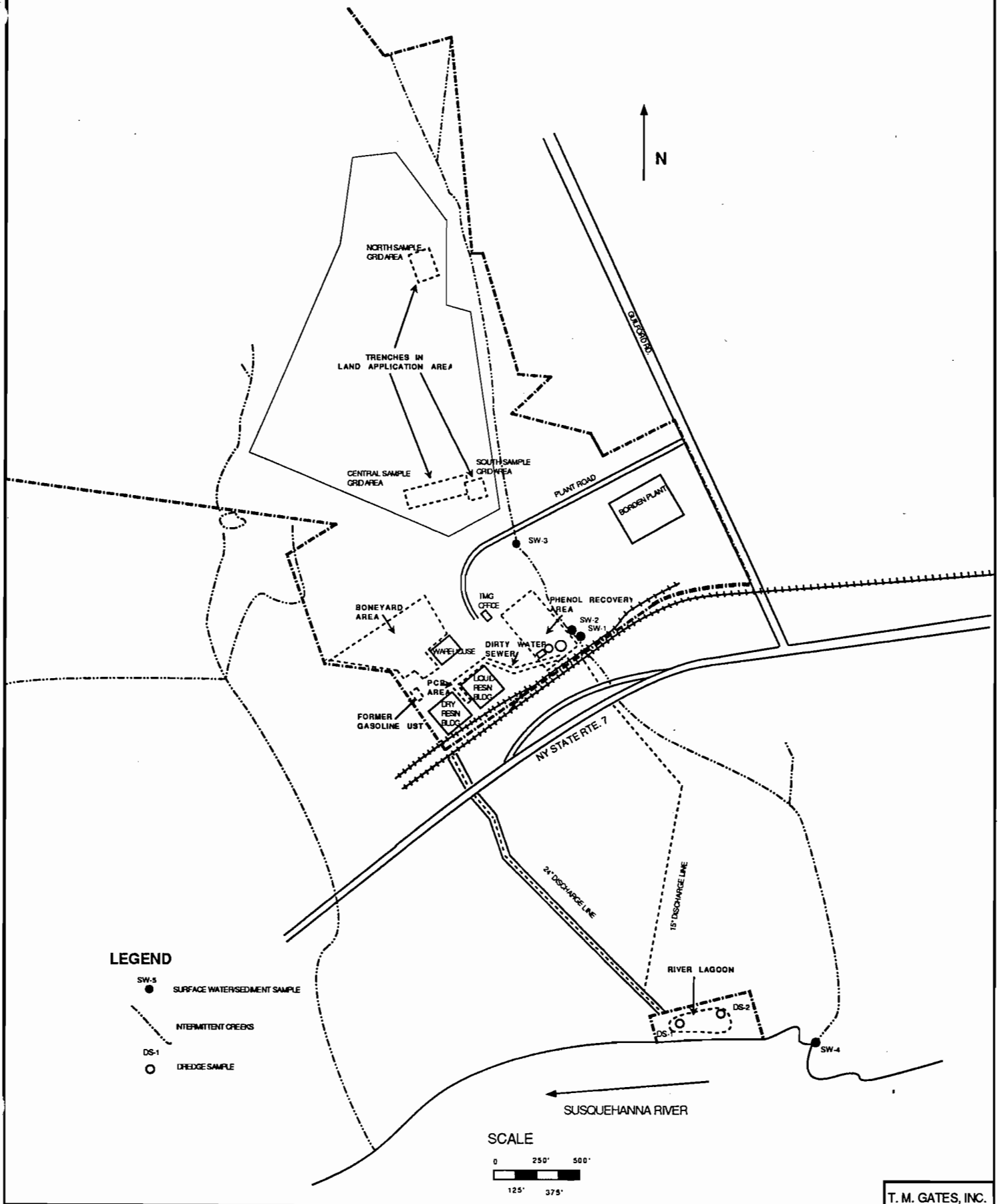


*add
headspace
analysis*

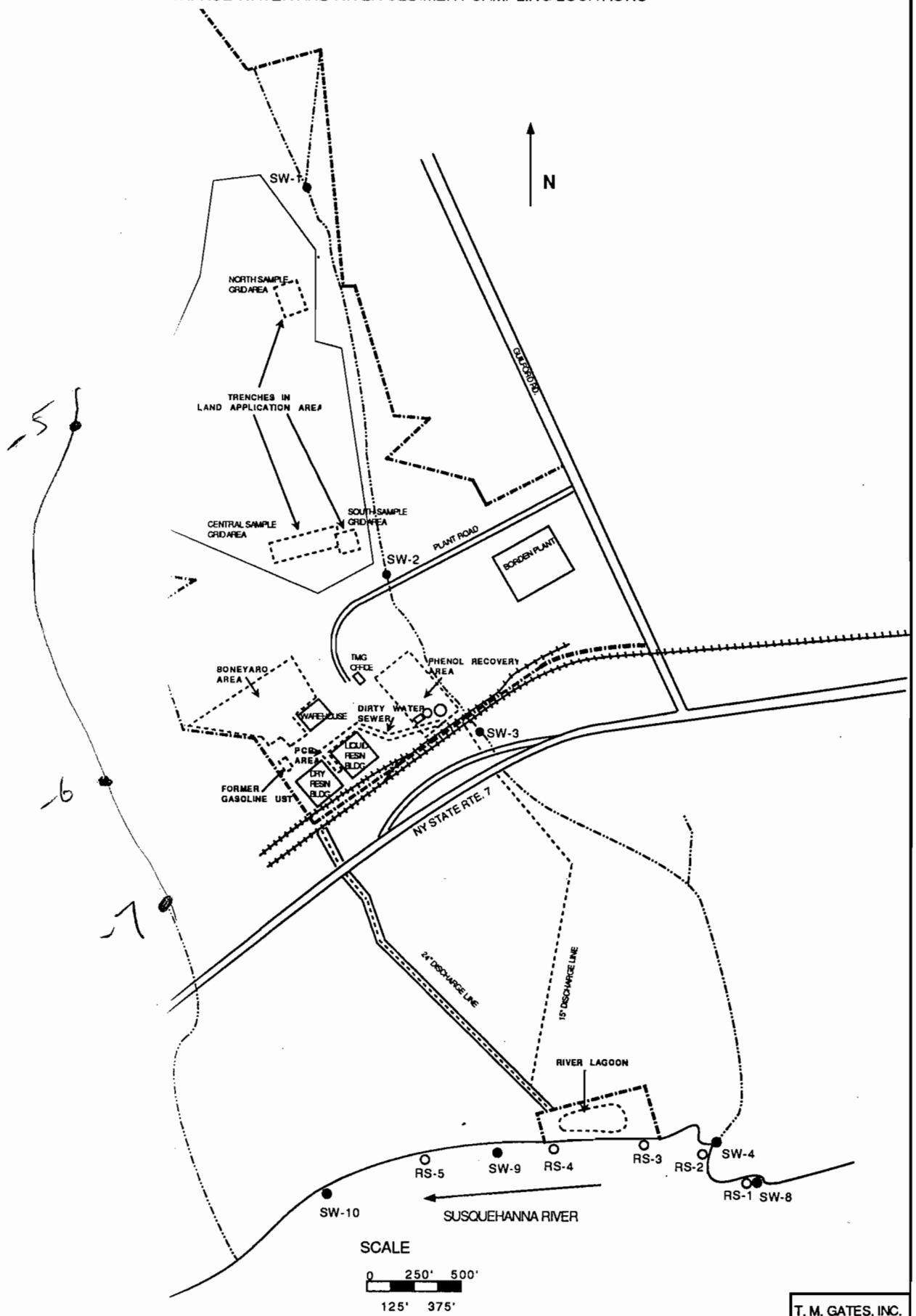
BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 4-17
GASOLINE UST EXCAVATION



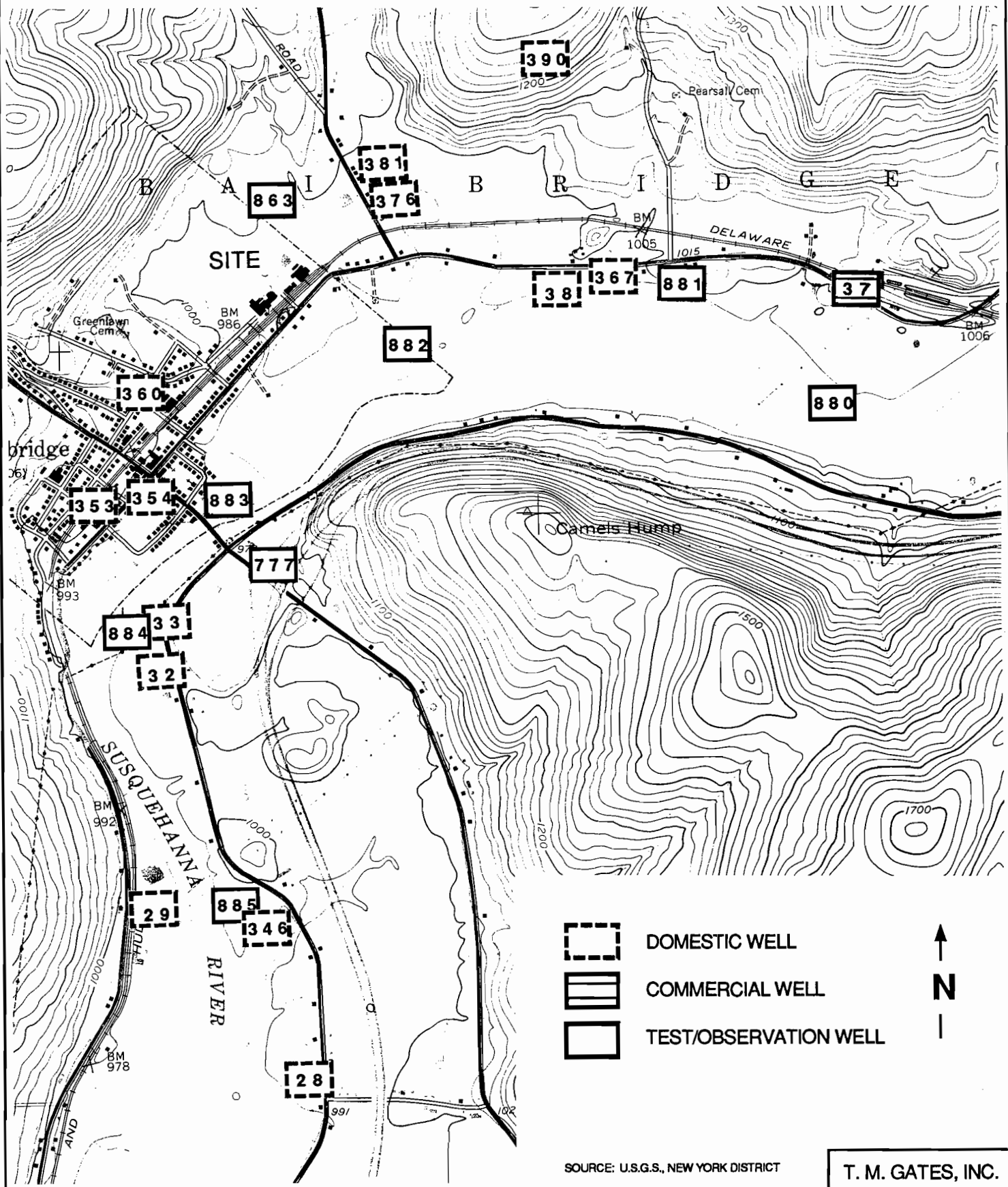
BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 4-18
 HISTORIC SURFACE WATER AND DREDGE SAMPLING LOCATIONS



BORDEN, INC. - BAINBRIDGE, NEW YORK
FIGURE 4-19
SURFACE WATER AND RIVER SEDIMENT SAMPLING LOCATIONS



BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 5-1
 BAINBRIDGE AREA WELLS



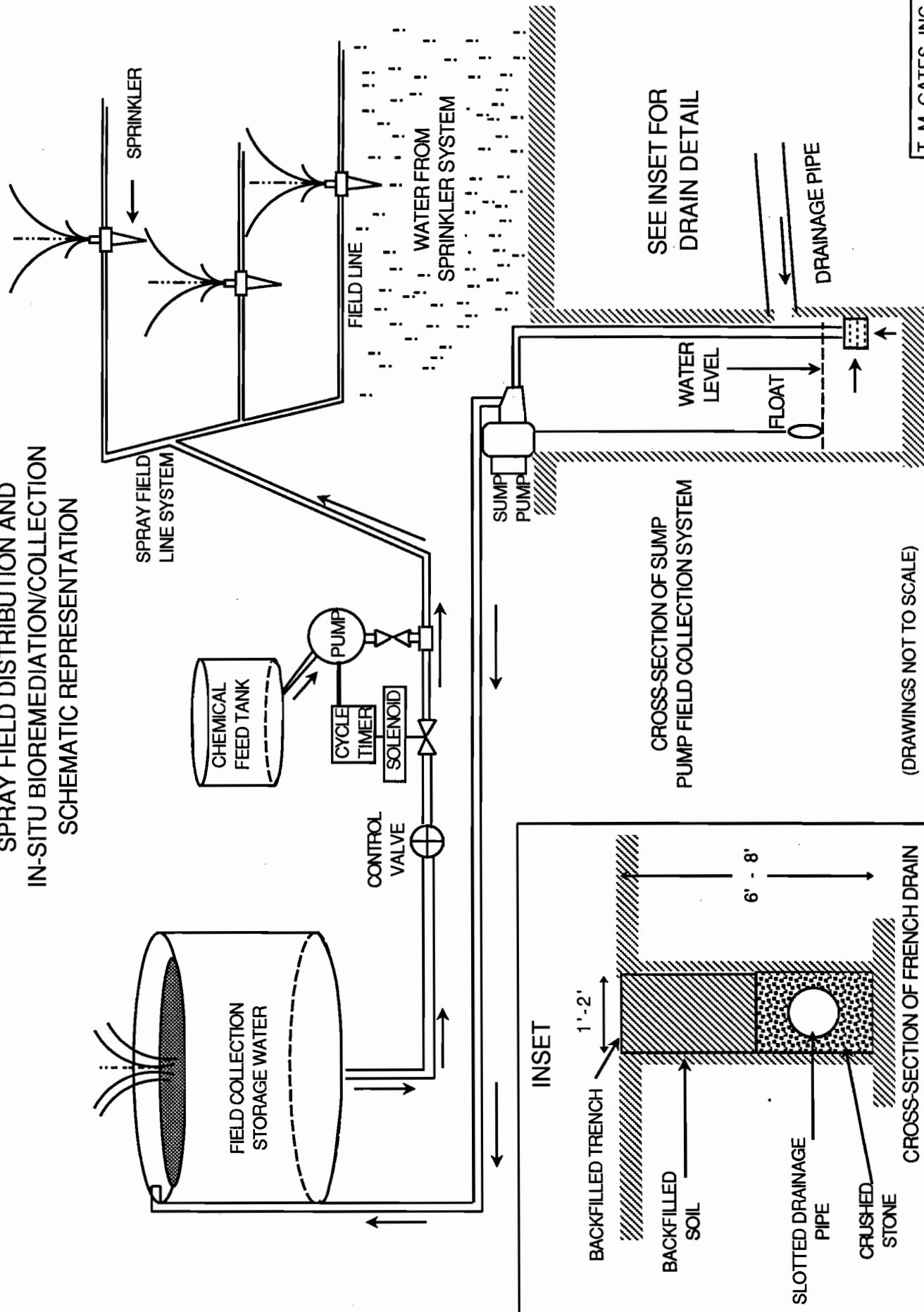
SOURCE: U.S.G.S., NEW YORK DISTRICT

T. M. GATES, INC.

BORDEN, INC. - BAINBRIDGE, NEW YORK

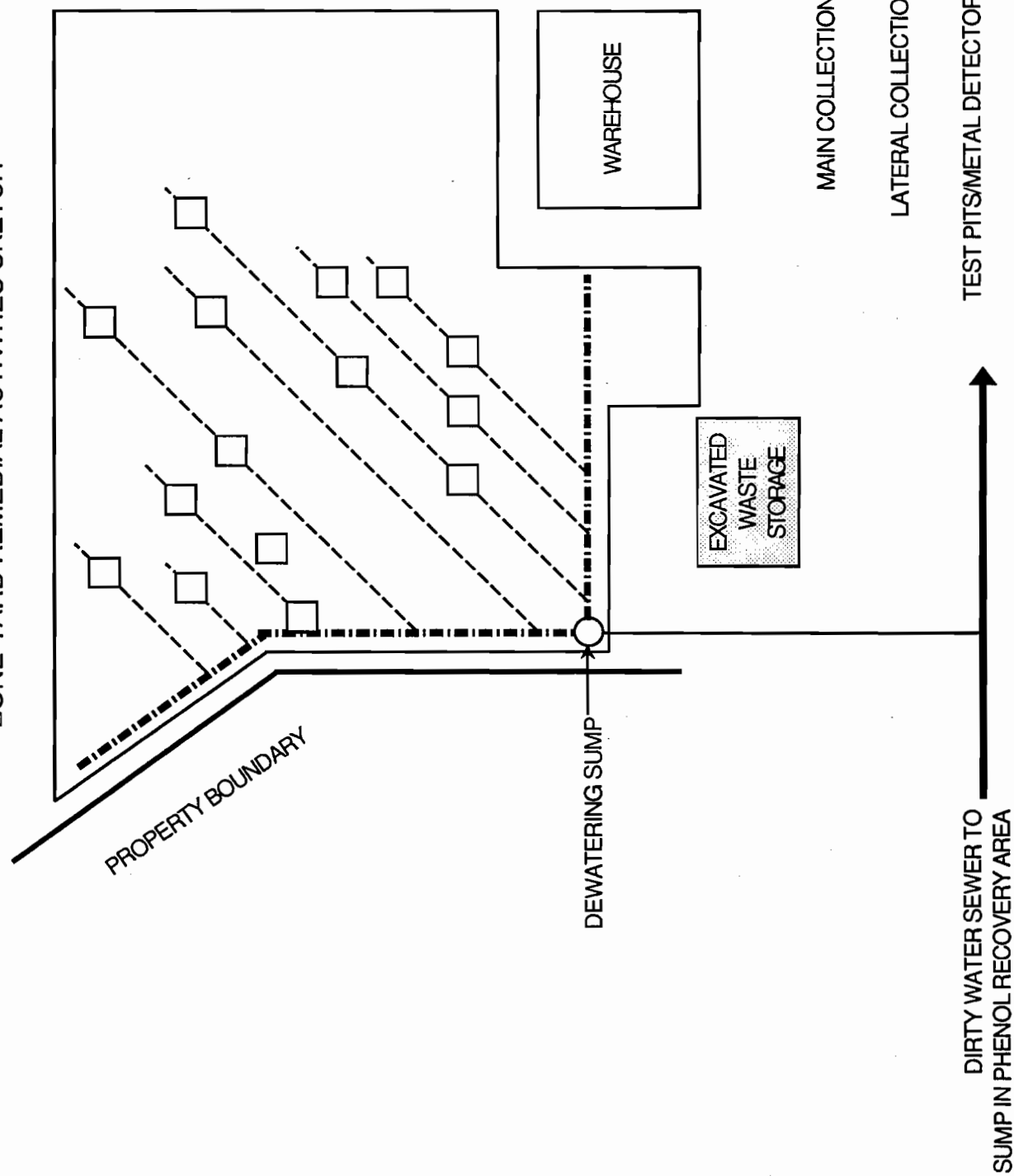
FIGURE 7-1

SPRAY FIELD DISTRIBUTION AND
IN-SITU BIOREMEDIATION/COLLECTION
SCHEMATIC REPRESENTATION



(DRAWINGS NOT TO SCALE)

BORDEN, INC. - BAINBRIDGE, NEW YORK
 FIGURE 7-2
 BONE YARD REMEDIAL ACTIVITIES SKETCH



BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 1-1

CHRONOLOGY OF SIGNIFICANT ENVIRONMENTAL ACTIVITIES

DATE	ACTIVITY OR REPORT	COMMENT
Nov-80	Submitted Treatment, Storage and Disposal (TSD) Facility Permit Application.	
Feb-81	Report entitled "Preliminary Closure Assessment: Findings, Recommendations, and Proposed Sub-Surface Investigations"	Investigated TSD activities and developed environmental sampling program.
Mar-81	Ceased production operations at Resin Plant.	
Jun-81	Removal and disposal of bulk and drummed waste from the "Bone Yard" drum storage area.	
Sep-81	Report/Workplan entitled "Subsurface Hydrologic Investigations/ Recommended Remedial and Closure Plan"	Investigation of soil and groundwater contamination by solvents, phenolics, and metals. Recommendations for remedial actions addressing phenolics.
Oct-81	Report entitled "Chronological Sequence of Bone Yard Remedial Plan Development at Borden Chemical Bainbridge Resin Plant"	Documents the removal of buried drums and installation of groundwater collection system.
Nov-81	Report/Workplan entitled "Summary Report: Investigations, Findings, and Recommendations"	Documentation of groundwater remedial measures to address phenolics in the Phenol Recovery and Bone Yard Areas. Regrading and revegetation of River Lagoon and surface water sampling.
May 84 - May-85	Workplan entitled "Sampling Plan and Analytical Program" and implementation.	Sampling and analysis of soil grid locations and leachate and groundwater. PCBs, metals, and solvents. (Summary submitted July 1987)

9/24/08 fax Daphne O
2 pages
919 793 2501

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 1-1 (CONT'D)

CHRONOLOGY OF SIGNIFICANT ENVIRONMENTAL ACTIVITIES

DATE	ACTIVITY OR REPORT	COMMENT
Aug-84	Removal of all PCB equipment and 160 tons of PCB soil.	
Dec-85	Workplan entitled "Scope of Work for Remedial Investigation and Feasibility Study"	Initial comprehensive investigation plan. Not implemented.
Jul-86	Consent Decree and Consent Order	Required facility closure and groundwater sampling plan. Not implemented due to revision of TSD permit application (see below).
Mar-87	Paraformaldehyde fire, spill, and clean-up.	
Jul-87	Withdrew Nov 1980 TSD permit application. Resubmitted application, addressing only drum storage area.	Included closure documentation for Bone Yard (approved NYDEC Nov 1987). Reclassified remaining units and RCRA SWMUs (except PCB Area). Proposed addressing primarily PCBs during investigation.
Mar-88-Mar-90	Quarterly (Interim Status) GW monitoring	
May 88 - Nov-90	Workplan entitled "RCRA Facility Investigation (RFI)/ Corrective Measures Study (CMS)" and amendments.	Outlines requirements of the comprehensive investigation. This RFI Report documents activities and findings.
Nov-90	Order on Consent	Initiates RFI / CMS / CMI process.
Jul-91	RFI field activities initiated	
Aug-91	Interim Remedial Activities initiated	

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 2-1

OCCURRENCE OF CONTAMINANTS IN THE ENVIRONMENT

	GROUNDWATER			SOILS			SURFACE WATER		SEDIMENTS	
	RFI	QUARTERLY	CONVERSE	RFI	TM GATES, INC.	CONVERSE	RFI	CONVERSE	RFI	CONVERSE
VOLATILE ORGANICS										
1,1,1-TRICHLOROETHANE			X							NO
1,1-DICHLOROETHANE				X	X					
1,2-DICHLOROBENZENE				X	X					
1,2-DICHLOROETHENE	X									CONSTITUENTS
1,3-DICHLOROBENZENE				X	X					
1,4-DICHLOROBENZENE				X	X					
2-BUTANONE (MEK)				X	X					
BENZENE	X	X	X	X						DETECTED
BROMOFORM				X						
CARBON TETRACHLORIDE	X									
CHLOROBENZENE	X	X	X	X	X					
CHLOROFORM	X									
ETHYL BENZENE		X	X	X	X					
METHYL CHLORIDE										X
METHYLENE CHLORIDE		X	X							X
TETRACHLOROETHENE	X									
TOLUENE	X	X	X	X	X			X		
TRICHLOROETHENE		X	X							
XYLENES	X	X		X	X					
PHENOLICS										
2,4-DIMETHYLPHENOL			X							
2-NITROPHENOL	X	X								
CRESOL			X					X		
P-CHLORO-M-CRESOL			X							
PHENOL			X	X	X			X		
TOTAL PHENOLICS	X		X					X		
METALS										
ANTIMONY			X							
ARSENIC	X	X	X	X	X	X			X	
BARIUM	X	X		X	X	X	X		X	
BERYLLIUM			X							
CADMIUM		X	X	X	X	X			X	
CHROMIUM	X		X	X	X	X				
COPPER	X		X			X				
IRON			X			X				
LEAD	X	X	X	X	X	X			X	
MANGANESE			X			X				
MERCURY				X	X					
NICKEL	X		X			X			X	
SELENIUM		X	X	X	X	X			X	
SILVER			X			X				
ZINC	X		X							
FORMALDEHYDE	X	X	X	X	X				X	
PCBs				X	X				X	
PHTHALATES										
BIS(2-ETHYLHEXYL) PHTHALATE			X			X				
DIETHYL PHTHALATE			X			X				
DI-N-BUTYL PHTHALATE			X			X				
OTHER										
AMMONIA			X			X				
CHLORIDE			X			X				
CYANIDE	X									
FLUORIDE			X							
METHANOL			X			X		X		
NITRATE/NITRITE			X			X				
SODIUM			X			X				
SULFATE			X			X				

NOTE: X-CONSTITUENT DETECTED ABOVE ANALYTICAL DETECTION LIMIT

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 2-2
HEALTH-BASED EXPOSURE LEVELS AND OTHER STANDARDS

MEDIA:	GROUNDWATER		OTHER HEALTH-BASED LEVEL (PPM)	SOILS	SURFACE WATER		SEDIMENTS
	MAXIMUM CONTAMINANT LEVEL (PPM)	PROPOSED MAXIMUM CONTAMINANT LEVEL (PPM)			NYDEC SURFACE WATER CRITERIA CLASS A/AA (WATER RESOURCE) (PPM)	NYDEC SEDIMENT CRITERIA	
VOLATILE ORGANICS	1,1-DICHLOROETHANE		0.00038	NA	ND	ND	
	1,2-DICHLOROBENZENE	0.005	0.600	NA	ND	ND	
	1,2-DICHLOROETHANE			8	ND	ND	
	1,3-DICHLOROBENZENE		0.005	NA	ND	ND	
	1,4-DICHLOROBENZENE			NA	ND	ND	
	2-BUTANONE (MEK)			4,000	ND	ND	
	BENZENE	0.005		NA	ND	ND	
	BROMOFORM	0.100		2,000	ND	ND	
	CARBON TETRACHLORIDE	0.005		5	ND	ND	
	CHLOROFORM	0.100	0.100	2,000	ND	ND	
	ETHYL BENZENE	0.700		100	ND	ND	
	TETRACHLOROETHENE		0.005	8,000	ND	ND	
	TOLUENE	1.000		10	ND	ND	
	XYLENES	10.000		20,000	ND	ND	
PHENOLICS	2-NITROPHENOL		NA	NA	ND	ND	
	PHENOL		1.000	50,000	ND	ND	
TOTAL PHENOLICS							
METALS	ARSENIC	0.050	(0.025)	80	0.05	g	
	BARIUM	1.000		4,000	1	g	
	CADMIUM	0.010		40	0.01	g	
	CHROMIUM	0.050		400	ND	ND	
	COPPER		1.300	NA	ND	ND	
	LEAD	0.015		NA	0.05	g	
	MERCURY	0.002		20	ND	ND	
	NICKEL		0.100	2,000	h	g	
	SELENIUM	0.010		NA	0.01	g	
	ZINC		5.000	NA	ND	ND	
	FORMALDEHYDE						
	POBs		0.0005	NA	NA	g	
OTHER			0.09	0.079 f	g		
				(0.00001)			
CYANIDE		0.200		2,000	ND	ND	

NOTES: ND - NOT DETECTED IN EITHER SURFACE WATERS OR SEDIMENTS

a - TOTAL TRIHALOMETHANES

b - CHROMIUM IV

c - FROM (SCIENCE APPLICATIONS INTERNATIONAL CORPORATION, 1988)

d - NON-ENFORCEABLE MCL GOAL

e - NON-ENFORCEABLE SECONDARY MCL

f - 10-6 RISK USEPA AMBIENT WATER QUALITY CRITERIA

g - LEVELS OF CONCERN ARE TO BE DETERMINED BY THE NYDEC

h - CRITERIA IS A FUNCTION OF HARDNESS

NA - NOT ANALYZED

(-) NYDEC STANDARDS, IF LOWER THAN MCLs.

re place
See Attachment 9

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 2-3

PHYSICAL/CHEMICAL PROPERTIES OF CHEMICALS
DETECTED IN ENVIRONMENTAL MEDIA

	SOLUBILITY (mg/l)	SPECIFIC GRAVITY	VAPOR PRESSURE (mm Hg)
VOLATILE ORGANICS			
1,1-DICHLOROETHANE	5500 a	1.18 b	182 a
1,2-DICHLOROBENZENE	100 a	1.305 b	1 a
1,3-DICHLOROBENZENE	123 a	1.288 d	2.28 a
1,4-DICHLOROBENZENE	79 a	1.25 b	1.18 a
2-BUTANONE (MEK)	268000 a	0.805 b	77.5 a
BENZENE	1750 a	0.8786 b	95.2 a
BROMOFORM	100 b	2.89 b	5 b
CARBON TETRACHLORIDE	757 a	1.59 b	90 a
CHLOROBENZENE	466 a	1.11 b	11.7 a
CHLOROFORM	8200 a	1.48 b	151 a
ETHYL BENZENE	152 a	0.867 b	7 a
TETRACHLOROETHENE	150 a	1.62 b	17.8 a
TOLUENE	535 a	0.866 b	28.1 a
XYLENES (mixed)	198 a	0.86-0.88 b	10 a
PHENOLICS			
2-NITROPHENOL	10.8 d	1.295 d	
PHENOL	93000 a	1.06 b	0.341 a
FORMALDEHYDE	400000 a	1.08-1.10 b	10 a
PCBs	0.031 a	--	0.000077 a
OTHER			
CYANIDE		1.55/1.60 b	0 b

NOTES:

- a) "SUPERFUND PUBLIC HEALTH EVALUATION MANUAL"; U.S.E.P.A.; OCTOBER, 1986
b) "NIOSH POCKET GUIDE TO CHEMICAL HARARDS"; U.S. DEPT. OF HEALTH AND HUMAN SERVICES;
c) "DOCKET REPORT ON HEALTH-BASED REGULAOTRY LEVELS AND SOLUBILITIES USED IN THE
d) "CHEMICAL ENGINEERS HANDBOOK"; McGRAW-HILL COMPANY; FIFTH EDITION; 1973

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 2-4

TOXICITY OF DETECTED CONTAMINANTS

	CLASS	CPF (mg/kg/day)^-1		RfD (mg/kg/day)
		INHALATION	INGESTION	
VOLATILE ORGANICS				
1,1-DICHLOROETHANE				
1,2-DICHLOROBENZENE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
2-BUTANONE (MEK)				0.05 a
BENZENE	A	0.0287 a	0.0287 a	
BROMOFORM				0.02 a
CARBON TETRACHLORIDE	B	0.13 a	0.13 a	0.007 a
CHLOROBENZENE				0.03 a
CHLOROFORM	B	0.0061 a	0.081 a	0.01 a
ETHYL BENZENE				
TETRACHLOROETHENE	C	0.051 a	0.25 a	0.01 a
TOLUENE				0.3 a
XYLENES				
PHENOLICS				
2-NITROPHENOL				
PHENOL				0.04 a
METALS				
ARSENIC	A	15.8 a	15.1 a	
BARIUM				0.05 a
CADMIUM	B		6.1 a	
CHROMIUM	A		41 a	
COPPER				
LEAD				
MERCURY				
NICKEL	A		0.84 A	0.02 a
SELENIUM				
ZINC				
FORMALDEHYDE	B1		NA c	0.2 c
PCBs	B2		7.7 a/c	NA c
OTHER				
CYANIDE				0.02 a

SOURCE:

- a) DRAFT RFI GUIDANCE
 b) "SUPERFUND PUBLIC HEALTH EVALUATION MANUAL"; U.S.E.P.A.; OCTOBER, 1986
 c) "INTEGRATED RISK INFORMATION SERVICE"; NATIONAL TECHNICAL INFORMATION SERVICE;
 JANUARY, 1992

NOTES:

WEIGHT OF EVIDENCE CLASS
 A - HUMAN CARCINOGEN; SUFFICIENT EVIDENCE TO SUPPORT ASSOCIATION BETWEEN HUMAN EXPOSURE AND CANCER
 B - PROBABLE HUMAN CARCINOGEN; LIMITED EVIDENCE TO SUPPORT ASSOCIATION BETWEEN HUMAN EXPOSURE AND CANCER
 B1 - PROBABLE HUMAN CARCINOGEN; SUFFICIENT EVIDENCE OF CARCINOGENICITY IN ANIMALS, LIMITED EVIDENCE IN HUMANS
 B2 - PROBABLE HUMAN CARCINOGEN; SUFFICIENT EVIDENCE OF CARCINOGENICITY IN ANIMALS, INADEQUATE EVIDENCE IN HUMANS
 C - POSSIBLE HUMAN CARCINOGEN; LIMITED EVIDENCE OF CARCINOGENICITY IN ANIMALS
 RfD - REFERENCE DOSE
 NA - NOT ANALYZED
 CPF - CARCINOGENIC POTENCY FACTOR

TABLE 2-5

TRANSPORT/TRANSFORMATION OF CHEMICALS DETECTED

	Henry's Law			Half-Life (Days)	
	log Kow	Koc (ml/g)	Constant (atm*cu. meter/mole)	Soil	Surface Water
VOLATILE ORGANICS					
1,1-DICHLOROETHANE	1.79	30	0.00431		1.00-5.00
1,2-DICHLOROBENZENE	3.6	1700	0.00193		1.50-8.50
1,2-DICHLOROETHANE	1.48	14	0.000978		0.17
1,3-DICHLOROBENZENE	3.6	1700	0.00359		
1,4-DICHLOROBENZENE	3.6	1700	0.00289		1.50-8.50
2-BUTANONE (MEK)	0.26	4.5	0.0000274		10
BENZENE	2.12	83	0.00559		1.00-6.00
BROMOFORM					
CARBON TETRACHLORIDE	2.64	110	0.0241		0.30-300.0
CHLOROBENZENE	2.84	330	0.00372		0.30
CHLOROFORM	1.97	31	0.00287		0.30-30.0
ETHYL BENZENE	3.15	1100	0.00643		1.50-7.50
TETRACHLOROETHENE	2.6	364	0.0259		1.00-30.00
TOLUENE	2.73	300	0.00637		0.17
XYLENES	3.26	240	0.00704		1.50-9.00
PHENOLICS					
2-NITROPHENOL					
PHENOL	1.46	14.2	4.54E-07		0.62-9.00
METALS					
ARSENIC					
BARIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
MERCURY					
NICKEL					
SELENIUM					
ZINC					
FORMALDEHYDE					
	0	3.6	9.87E-07		0.90-3.50
PCBs					
	6.04	530000	0.00107		
OTHER					
CYANIDE					

SOURCE: "SUPERFUND PUBLIC HEALTH EVALUATION MANUAL"; U.S.E.P.A.; OCTOBER, 1986

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 3-1

SUMMARY OF CLIMATOLOGICAL DATA

MONTH	AVERAGE TEMPERATURE (F)	AVERAGE PRECIPITATION (INCHES)	AVERAGE SNOWFALL (INCHES)
JANUARY	19.50	2.74	16.40
FEBRUARY	20.80	2.47	15.50
MARCH	30.70	3.21	11.90
APRIL	43.30	3.47	3.40
MAY	53.60	3.64	0.30
JUNE	62.90	4.04	0.00
JULY	67.30	3.70	0.00
AUGUST	65.50	3.19	0.00
SEPTEMBER	58.40	3.80	0.00
OCTOBER	47.90	3.14	0.60
NOVEMBER	37.50	3.70	5.30
DECEMBER	25.50	3.48	17.30
ANNUAL	44.40	40.58	70.30

SOURCE: "SOIL SURVEY OF CHENANGO COUNTY, NEW YORK"; SOIL CONSERVATION SERVICE;
DECEMBER, 1985

TABLE 3-2

HISTORIC GROUNDWATER ELEVATIONS (Fl. Mean Sea Level)

DATE	MW-1	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	
3/22/88	988.76		998.42	990.43	997.47	996.09	998.55	1001.76	997.92	
6/14/88	988.35	994.22	996.63	989.19	995.47	994.57	997.95	999.69	996.8	
10/3/88	988.06	992.53	992.69	988.47	994.58	992.22	993.77	996.3	994.57	
12/19/88	988.3	994.28	994.43	989.57	995.73	994.56	996.91	1000.06	997.18	
3/23/89	988.28	995.58	995.62	989.89	996.37	995.01	DRY	999.98	996.83	
7/5/89	989.49	995.29	995.42	990.23	997.75	994.89	998.72	1001.37	997.97	
10/23/89	989.04	995.7	995.77	991.1	997.5	994.96	996.73	1000.47	997.66	
12/15/89	988.98	994.21	994.33	989.6	996.5	993.2	997.31	998.86	997.34	
3/26/90	986.68	995.69	995.86	991.53	998.16	995.38	999.46	1002.99	1001.43	
10/18/91	988.19	993.4	993.59	989.22	996	992.96	994.74	999.83	996.14	
WELL ELEV.	996.34	999.82	999.46	996	1002.14	1000.26	1004.29	1009.06	1007.73	
DATE	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	
3/22/88	998.89	1001.94	1016.42	1007.96	1018.41	1052.53	984.55	985.2	995.46	
6/14/88	994.8	999.8	1015.62	1006.4	1014.66	1048.44	984.18	984.83	994.21	
10/3/88	992.81	995.03	1009.88	1001.54			983.35	981.7	992.68	
12/19/88	998.27	999.55	1013.61	1006.04	1015.09	1048.41	983.87	984.98	994.55	
3/23/89	998.72	1000.33	1014.66	1006.87	1017.34	1051.25	984.12	985.05	994.67	
7/5/89	998.54	1001.62	1016.65	1007.7	1016.33	1051.23	984.47	985.2	995.21	
10/23/89	998.68	998.68	1012.17	1005.6	1016.02	1051.13	985.28	985.36	995.33	
12/15/89	998.65	997.63	1014.17	1004.8	1012.95	1050.41	983.88	984.92	994.66	
3/26/90	1000.39	1003.01	1017.53	1009.01	1019.51	1054.25	985.12	985.23	996.05	
10/18/91	997.48	996.39	1013.13	1004.12	1013.59	1048.94	984.08	985.01	993.68	
WELL ELEV.	1007.72	1006.36	1031.56	1013.22	1027.71	1071.65	995.54	990.75	1000.83	
DATE	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	MW-27
3/22/88	997.32	988.4	985.57	993.91	994.63					
6/14/88	995.56	988.27	985.17	992.47	993.25					
10/3/88	993.49	988.14	984.48	991.31	990.97					
12/19/88	995.68	988.12	985.14	992.27	992.8					
3/23/89	995.94	988.09	985.14	993.21	993.76					
7/5/89	996.85	989.06	985.7	992.85	992.66					
10/23/89	996.82	988.97	985.23	992.64	992.28					
12/15/89	997.08	988.8	985.37	992.41	992					
3/26/90	997.73	989.23	985.8	992.88	993.08					
10/18/91	994.62	988.42	985.37	991.93	991.17	991.74	991.84	990.8	958.76	982.54
WELL ELEV.	1002.18	998.58	989.59	999.69	999.02	996.33	996.45	997.85	967.7	988.48

TABLE 3-3

ESTIMATES OF HYDRAULIC CONDUCTIVITY

WELL	DEPTH (FT.)	SOIL DESCRIPTION	HAZEN EMPIRICAL METHOD		
			SYMBOL	10th PERCENTILE GRAIN SIZE d	K (GPD/SQ.FT.)
MW-1	5-6.5	COURSE TO FINE SAND AND CLAYEY SILT, SOME GRAVEL	SM	0.0035	2.60E-01
MW-6	10-11.5	SILT WITH TRACE OF CLAY, MEDIUM TO FINE SAND	ML-CL	0.0022	1.03E-01
MW-9	5-6.5 15-16.5	MEDIUM TO FINE GRAVEL, SAND, SOME CLAYEY SILT CLAYEY SILT, SOME SAND AND GRAVEL	GC ML	0.0100 0.0058	2.12E+00 7.13E-01
MW-10	5-6.5	COURSE TO FINE GRAVEL AND SAND, SOME SILTY CLAY	GC	0.0043	3.92E-01
MW-11	10-11.5	CLAYEY SILT, MEDIUM TO FINE SAND	ML-CL	0.0029	1.78E-01
MW-14	10-11.5	CLAY AND SILT, SOME SAND AND GRAVEL	CL	0.0010	2.12E-02

NOTE: SOILS SELECTED ARE CHARACTERISTIC OF SCREEN SATURATED INTERVALS ON THE SITE.
GRAIN SIZE VALUES WERE OBTAINED FROM CONVERSE/TENECH (SEPT., 1981)

WELL	SWMU	SOIL DESCRIPTION	IN-SITU RISING HEAD PERMEABILITY TESTS	
			SYMBOL	K (GPD/SQ.FT.)
MW-18	BONE YARD	CLAYEY SILT, MEDIUM TO FINE SAND	ML-CL	1.27E+00
MW-7	LAND APPLICATION	FINE SANDY SILT	ML-CL	8.66E-01
MW-14	BACKGROUND	CLAY, SILT, COURSE TO FINE SAND AND GRAVEL	CL	6.83E-01
MW-25	PCB AREA	SILT, SILTY CLAY, SOME GRAVEL	ML-CL, GM	8.62E+01

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 3-4

GEOTECHNICAL AND OTHER PARAMETERS OF SOILS

SOIL ID	DEPTH (FT)	SMMU	PERCENT FRAGMENTS >3 INCHES	PERCENT PASSING SIEVE NUMBER:				UNIFIED SOIL CLASS	SCS SOIL CLASS	PERMEABILITY (IN/HR)	pH	FLOODING	
				4 (GRAVEL)	10 (GRAVEL-SAND)	40 (SAND)	200 (SAND-SILT)						
SCS SAMPLES													
CdB	0-8	BONE YARD	0-5	55-85	50-75	40-75	30-65	ML,GM,SM,CL-ML GM,SM,ML,GM-GC	GRAVELLY SILT LOAM VERY GRAVELLY LOAM V GRAVELLY SANDY LOAM	0.6-6.0 2.0-6.0	4.5-6.5 4.5-6.0	NONE	
	8-29		5-10	40-75	35-70	15-65	5-60						
	29-60		5-10	30-85	25-70	10-45	0-40						GW,GP,GW-GM,SW-SM V GRAVELLY LOAM V GRAVELLY LOAMY SAND
CKA, ChB	0-8	LAND APPLICATION	5-15	55-85	55-80	35-80	15-70	ML,GM,SM ML,GM,SM/GP,GM	CHANNERY SILT LOAM CHANNERY SILT LOAM CHAN. LOAM V GRAVELLY COARSE SANDY LOAM	0.6-6.0 2.0-6.0	4.5-5.5 4.5-6.0	RARE	
	8-24		5-20	25-75	20-70	15-70	10-65						
	24-60		10-20	15-60	10-55	5-55	5-50						V CHAN. SILT LOAM V CHAN. LOAM V CHAN. COARSE SANDY LOAM
Ha	0-9	RIVER LAGOON	0	100	95-100	90-100	60-90	ML,CL-ML,CL ML,CL-ML,CL ML,CL-ML,CL	SILT LOAM SILT/ VF SANDY LOAM SILT/VF SANDY LOAM	0.6-2.0 0.6-2.0 0.6-2.0	5.1-7.3 5.1-7.3 5.1-6.0	OCCASIONAL & BRIEF	
	9-38		0	100	95-100	90-100	60-90						
	38-60		0	100	95-100	90-100	60-90						
Ue	FILLED AND RE-GRADED; NOT CHARACTERIZED												
	PCB AREA PHENOL REC.												
	UnA	0-11	NONE	0	100	95-100	90-100	70-90	SILT LOAM SILT/VF SANDY LOAM V GRAVELLY SAND GRAVELLY SAND SANDY LOAM	0.6-2.0 0.6-2.0 2.0-20	4.5-6.5 4.5-6.5 5.1-7.8	RARE	
11-46		0		100	95-100	90-100	70-90						
46-60		0-10		35-100	25-95	10-70	1-40						

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 3-4 (CONTINUED)

GEOTECHNICAL AND OTHER PARAMETERS OF SOILS

SOIL ID	DEPTH (FT)	SWMJ	PERCENT FRAGMENTS >3 INCHES	PERCENT PASSING SIEVE NUMBER:				UNIFIED SOIL CLASS	SCS SOIL CLASS	PERMEABILITY (IN/HR)	pH	FLOODING
				4 (GRAVEL)	10 (GRAVEL-SAND)	40 (SAND)	200 (SAND-SILT)					
CONVERSE SAMPLES												
MW-1	5-6.5	SOUTH OF PCB AREA	0	75	70	52	39	SM-SC	SANDY LOAM			
MW-2	0-1.5	PHENOL REC.	0	73	65	53	40	SM-CL	SANDY CLAY CLAY			
	0		90	85	82	67						
MW-6	0-2	BETWEEN BONEYARD & LAND APPLIC.	0	100	100	98	93	CL	SILT LOAM SILT			
	0		100	100	100	96	ML-CL					
	0		100	100	100	98	ML-CL					
MW-7	0-1.5	NEAR LAND APPLICATION	0	100	100	100	95	CL	CLAY CLAY			
	0		100	100	100	100	ML-CL					
MW-9	5-6.5	NEAR LAND APPLICATION	0	54	40	28	22	GC	GRAVELLY SANDY LOAM SILT LOAM SILT			
	0		79	77	75	71	ML					
	0		100	100	100	99	ML-CL					
MW-10	5-6.5	NEAR LAND APPLICATION	0	55	40	27	22	GC	GRAVELLY SANDY LOAM GRAVELLY SANDY LOAM SILT LOAM			
	0		56	49	42	36	GC					
	0		100	100	100	100	CL					
MW-11	10-11.5	NEAR LAND APPLICATION	0	100	100	96	69	ML-CL	SILT LOAM			
MW-14	0-1.5	NEAR LAND APPLICATION	0	92	90	55	50	ML-CL-CL	SILT LOAM GRAVELLY LOAM			
	0		77	65	89	80						

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 3-5

SUSQUEHANNA RIVER DISCHARGE DATA

DATE	DISCHARGE (cu. ft./sec.)
9/9/73	738
4/26/74	6,210
3/21/75	24,800
5/21/75	6,000
9/26/75	56,500
9/28/75	22,700
3/29/76	13,400
8/24/76	2,270

NOTE: LOCATION GIVEN AS 400FT DOWNSTREAM OF HIGHWAY BRIDGE AT VESTAL, N. Y.;
RIVER MILE 320.9; DRAINAGE AREA 3,941 SQUARE MILES

SOURCE: "WATER RESOURCES DATA FOR NEW YORK WATER YEAR 1976. VOLUME 1
NEW YORK EXCLUDING LONG ISLAND"; GEOLOGICAL SURVEY; JUNE 1977

TABLE 4-1

CONVERSE COMPLETE GROUNDWATER ANALYSIS

PARAMETER (ppm)	DW-4	MW-1	MW-2	MW-8	MW-11	MW-13
BENZENE			0.042			
BUTYL BENZYL PHTHALATE				<0.010		
CHLOROBENZENE			0.012			
1,1,1-TRICHLOROETHANE			0.012			
1,1-DICHLOROETHANE			<0.010			
CHLOROFORM			<0.010			
ETHYL BENZENE			0.449			
BIS (2-ETHYLHEXYL) PHTHALATE	0.053					
METHYLENE CHLORIDE			0.098		0.035	<0.010
TOLUENE			>4.87			
TRICHLOROETHYLENE			0.042			
DIETHYL PHTHALATE			0.023			
p-CHLORO- m-CRESOL			0.164			
2,4-DIMETHYLPHENOL			11.7			
PHENOL			576.233	0.035		
PHENOLIC COMPOUNDS	<0.004	<0.007	1700	0.17	<0.004	<0.012
TOC						
ANTIMONY			0.031			
ARSENIC	0.013	0.081	0.255	0.086	0.079	0.036
BERYLLIUM		0.002	0.001	0.004	0.006	0.002
CADMIUM		0.0044	0.001	0.048	0.002	0.011
CHROMIUM		0.005	0.026	0.011	0.023	0.017
COPPER		0.143	0.052	0.496	0.22	0.153
IRON						
LEAD		0.036	0.005	0.056	0.025	0.184
MANGANESE						
NICKEL		0.041	0.048	0.068	0.09	0.044
SELENIUM	0.013	0.059	0.214	0.064	0.059	0.024
ZINC		0.12		0.7	0.26	0.1

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-2

CONVERSE ABBREVIATED GROUNDWATER ANALYSIS

PARAMETER (ppm)	DW-3	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9	MW-10	MW-12	MW-14
ANILINE										<0.010
CRESOL										
FORMALDEHYDE	NAI	NAI	NAI	NAI	NAI	NAI	NAI	NAI	NAI	NAI
FURFURAL	0.31			4.44					0.36	0.42
METHANOL										
METHYLETHYL KETONE	NA		<0.01	72.2	<0.010	0.012	<0.010		0.012	<0.010
PHENOL										
RESORCINOL										
TOLUENE										
TOC	<1	12	8	497	7	4	2	3	5	3
AMMONIA	0.03	0.31	0.35	32	0.1	0.1	0.56	0.03	0.13	0.31
EPICHLORHYDRIN										
XYLENE	21	31	27	44	27	140	18	18	24	33
SULFATE										
ARSENIC	0.018	0.074	0.065	0.091	0.058	0.11	0.082	0.077	0.053	0.066
BARIUM		1	1	1	0.454	0.6	1.34	1.55	0.77	1.2
CADMIUM		0.0049	0.004	0.003	0.0022	0.0006	0.002	0.0026	0.003	0.0084
CHROMIUM		0.007	0.008		0.003		0.024	0.018	0.006	0.007
FLUORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
LEAD	0.003	0.018	0.069	0.002	0.042	0.004	0.036	0.071	0.032	0.002
MERCURY										
NITRATE/NITRITE	0.9	3.25	1.92	0.2	0.28	1.25	8.33	7.5	1.55	0.38
SELENIUM	0.012	0.055	0.045	0.083	0.039	0.097	0.055	0.053	0.044	0.049
SILVER										
CHLORIDE	11	0.013	11	62	4	9	3	6	6	6
IRON		11	23.5	18.1	13.3		15.9	5.5	7.1	19.9
MANGANESE		17.2	15.6	19.1	7.83	8.55	18.2	8.9	8.7	36.8
SODIUM	15.8	58.9	5.9	220	20.1	163	20.4	8.29	15.9	26.9

NOTE: NAI - NOT ANALYZED DUE TO INTERFERENCE.

TABLE 4-3

CONVERSE COMPREHENSIVE PHENOLIC ANALYSES IN GROUNDWATER

WELL	3/7/81	(PHENOL) 3/7/91	7/6-10/81	7/13/81	7/17/81	7/23/81	8/4/81	8/13/81	8/20/81	8/27/81	9/4/81
MW-1	<0.01	ND	NS	<1	<1	<1	<1	<1	--	<1	--
MW-2	1700-2000	576	1100	1000	700	700	700	600	560	700	660
MW-3	ND	ND	--	<1	<1	<1	<1	<1	--	<1	--
MW-4	--	<0.01	--	<1	<1	<1	<1	<1	--	<1	--
MW-5	280	72	96	50	70	64	90	90	140	170	170
MW-6	--	<0.01	--	--	--	--	--	--	--	--	--
MW-7	--	0.012	--	--	--	--	--	--	--	--	--
MW-8	0.17	0.035	--	--	--	--	--	--	--	--	--
MW-9	--	<0.01	--	--	--	--	--	--	--	--	--
MW-10	--	ND	--	--	--	--	--	--	--	--	--
MW-11	<0.01	ND	--	--	--	--	--	--	--	--	--
MW-12	--	<0.012	--	--	--	--	--	--	--	--	--
MW-13	<0.01	ND	--	--	--	--	--	--	--	--	--
MW-14	--	<0.01	--	--	--	--	--	--	--	--	--
MW-15	--	--	12	14	20	96	120	70	60	80	100
MW-16	--	--	40	<1	<1	<1	<1	<1	--	<1	--
MW-17	--	--	<1	<1	<1	<1	<1	<1	--	<1	--
MW-18	--	--	1	<1	<1	<1	<1	<1	--	<1	--
MW-19	--	--	--	8	24	1	1	<1	--	<1	--
MW-20	--	--	--	<1	--	<1	<1	<1	--	<1	--
MW-21	--	--	--	<1	--	<1	<1	<1	--	<1	--
MW-22	--	--	--	<1	--	<1	<1	<1	--	<1	--
WF-1A	--	--	--	180	400	160	100	100	100	120	40
WF-1B	--	--	--	400	350	350	280	300	300	300	260
WF-1C	--	--	--	100	96	96	50	30	45	40	10
WF-1D	--	--	--	190	32	32	50	80	80	80	--
WF-1E	--	--	--	10	10	10	10	6	4	5	2
WF-2A	--	--	7	50	6	32	50	50	40	35	DRY
WF-2B	--	--	32	60	40	32	60	75	45	35	30
WF-2C	--	--	26	5	4	3	3	<1	--	<1	--
WF-2D	--	--	3	1	1	5	<1	<1	--	<1	--
WF-2E	--	--	1	<1	--	<1	<1	<1	--	<1	--
BONE YARD SUMP	--	--	35	30	--	25	5	20	5	3	1

NOTES: ND - NOT DETECTED, DRY-WELL DID NOT CONTAIN ENOUGH WATER FOR SAMPLE

-- NOT ANALYZED

ALL VALUES REPORTED IN ppm

TABLE 4-3 (CONTINUED)

CONVERSE COMPREHENSIVE PHENOLIC ANALYSES IN GROUNDWATER

WELL	9/11/81	9/16/81	9/25/81	9/25/91	10/11/81	10/9/81	10/16/81	10/26/81	11/2/81
	(PHENOL)								
MW-1	<1	<1	<1	0.005	<1	<1	--	--	--
MW-2	700	700	770	600	720	500	500	180	160
MW-3	<1	<1	<1	0.1	<1	<1	--	--	--
MW-4	<1	<1	<1	0.16	<1	<1	--	--	--
MW-5	40	10	5	23	6	3	10	3	2
MW-6	--	<1	<1	0.05	<1	<1	--	--	--
MW-7	--	<1	<1	0.04	<1	<1	--	--	--
MW-8	--	<1	<1	0.09	<1	<1	--	--	--
MW-9	--	<1	<1	0.017	<1	<1	--	--	--
MW-10	--	<1	<1	0.005	<1	<1	--	--	--
MW-11	--	<1	<1	0.028	<1	<1	--	--	--
MW-12	--	<1	<1	0.02	<1	<1	--	--	--
MW-13	--	<1	<1	0.005	<1	<1	--	--	--
MW-14	--	DRY	DRY	DRY	DRY	DRY	--	--	--
MW-15	120	40	12	24.8	18	28	25	40	32
MW-16	<1	<1	<1	8.36	<1	<1	--	--	--
MW-17	<1	<1	<1	0.028	<1	<1	--	--	--
MW-18	<1	<1	<1	0.024	<1	<1	--	--	--
MW-19	<1	<1	<1	14.08	<1	<1	--	--	--
MW-20	<1	<1	<1	0.042	<1	<1	--	--	--
MW-21	<1	<1	<1	0.064	<1	<1	--	--	--
MW-22	<1	<1	<1	0.06	<1	<1	--	--	--
WF-1A	30	450	390	0.292	120	3	--	--	--
WF-1B	260	250	300	320	280	320	260	280	224
WF-1C	16	40	60	500	15	12	--	--	--
WF-1D	80	80	140	300	140	160	--	--	--
WF-1E	2	3	1	25	3	3	--	--	--
WF-2A	5	35	10	60	14	<1	--	--	--
WF-2B	50	35	10	76	6	2	--	--	--
WF-2C	<1	<1	<1	3.4	3	2	--	--	--
WF-2D	<1	<1	<1	0.064	<1	<1	--	--	--
WF-2E	<1	<1	<1	91	<1	<1	--	--	--
BONE YARD SUMP	2	<1	<1	0.092	1	4	--	--	--

NOTES: N D - NOT DETECTED, DRY-WELL DID NOT CONTAIN ENOUGH WATER FOR SAMPLE

-- NOT ANALYZED

ALL VALUES REPORTED IN ppm

TABLE 4-4

SUMMARY OF QUARTERLY GROUNDWATER QUALITY ANALYTICAL DATA

BACKGROUND WELLS

COMPOUND	UNITS	MW-14 8/8/84	MW-14 3/23/88	MW-14 6/15/88	MW-14 12/21/88	MW-14 3/23/89	MW-14 7/07/89	MW-14 10/24/89	MW-14 12/13/89
ARSENIC	ug/l	1	<10	<10	<2	<2	<2	14	<2
BARIUM	ug/l	126	<10	<10	<50	<50	11	130	<10
CADMIUM	ug/l	10.9	<5	<5	<5	<5	<5	<5	<5
CHROMIUM	ug/l	19	<10	<10	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA
LEAD	ug/l	4	<10	<10	<50	<50	<50	<50	230
SELENIUM	ug/l	<2	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA
FORMALDEHYDE	ug/l	<50	<250	<250	<100	1200	2100	<20	<100
ANILINE	ug/l	<10	NA	NA	<10	<10	<10	<10	<10
CRESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<30	NA	<30	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<50	<50	<50	<50
4-NITROPHENOL	ug/l	NA	<30	NA	<30	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	<10	<10	<10	<10	<10
PCB	ug/l	<100	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
FURFURAL	ug/l	<200	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	ug/l	<500	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1
CHLOROBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1
ETHYLBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1
METHYLENE CHLORIDE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1
XYLENES	ug/l	<3	<1	<1	<1	<1	<1	<1	<1

- MW-14 was not sampled 10/04/88 due to an insufficient volume of groundwater in the well.

NOTES: - NA - NOT ANALYZED

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-4 (CONTINUED)

SUMMARY OF GROUNDWATER QUALITY ANALYTICAL DATA

BACKGROUND WELLS

COMPOUND	UNITS	MW-20 8/8/84	MW-20 3/24/88	MW-20 8/16/88	MW-20 10/04/88	MW-20 12/22/88	MW-20 3/24/89	MW-20 7/07/89	MW-20 10/25/89	MW-20 12/14/89
ARSENIC	ug/l	3	<10	<10	<10	<2	41	14	18	8.2
BARIUM	ug/l	50	30	30	190	120	290	89	92	40
CADMIUM	ug/l	10.2	<5	<5	<5	<5	<5	<5	<5	<5
CHROMIUM	ug/l	13	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	0.4	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	3	<10	<10	<5	<50	<50	<50	<50	12
SELENIUM	ug/l	<2	<10	<10	24	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	ug/l	<50	<250	<250	100	170	220	8700	<20	<1
ANILINE	ug/l	<10	NA	NA	<10	<10	<10	<10	<10	<10
CHESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	<10	<10	<10	<10	<10	<10
PCB	ug/l	<100	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
FLUORAL	ug/l	<200	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	ug/l	<500	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
ETHYLBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
METHYLENE CHLORIDE	ug/l	NA	NA	NA	1.4	<1	<1	<1	<1	<1
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	1.3	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
XYLENES	ug/l	<3	<1	<1	<1	<1	<1	<1	<1	<1

NOTES: - NA - NOT ANALYZED

TABLE 4-5

SUMMARY OF QUARTERLY GROUNDWATER QUALITY
ANALYTICAL DATA

BONE YARD

COMPOUND	UNITS	MW-4 8/21/84	MW-4 3/24/86	MW-4 6/16/86	MW-4 10/05/88	MW-4 12/21/88	MW-4 3/24/89	MW-4 7/07/89	MW-4 10/25/89	MW-4 12/14/89
ARSENIC	ug/l	1.0	<10	<10	NA	NA	NA	NA	NA	NA
BARIUM	ug/l	7.0	10	20	24	<50	<50	20	23	14
CADMIUM	ug/l	<0.2	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	11.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	<1.0	<10	<10	<5	<50	<50	<2	<2	<2
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	NA	NA	NA
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.06	<0.25	<0.25	<0.1	<0.1	0.4	0.29	<0.02	<0.0001
ANILINE	ug/l	<10	NA	NA	<10	<10	<10	<10	<10	<10
CRESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<20	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FLUORAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	<1	<1	<1	<1	<1	<1

NOTES: - NA - NOT ANALYZED

TABLE 4-5 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

BONE YARD

COMPOUND	UNITS	MW-5 8/21/84	MW-5 3/24/88	MW-5 8/16/88	MW-5 10/05/88	MW-5 12/21/88	MW-5 3/24/89	MW-5 7/07/89	MW-5 10/25/89	MW-5 12/14/89
ARSENIC	ug/l	1.0	<10	<10	NA	NA	NA	NA	NA	NA
BARIUM	ug/l	119.0	190	220	340	150	110	94	110	26
CADMIUM	ug/l	2.3	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	13.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	<1.0	<10	<10	<5	<50	<2	<2	<2	<2
SELENIUM	ug/l	<2.0	<10	<10	NA	NA	NA	NA	NA	NA
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	8.8	3.4	3.9	6.6	1.98	3.6	3.4	<0.02	<0.0001
ANILINE	ug/l	<10	NA	NA	<10	<10	<10	<10	<10	<10
CRESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<20	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<20	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
PUFFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	2.3	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	3.9	<1	<1	<1	<1	<1	<1	<1	<1

NOTES: - NA - NOT ANALYZED

TABLE 4-5 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

BONE YARD

COMPOUND	UNITS	MW-17 8/23/84	MW-17 3/24/88	MW-17 6/16/88	MW-17 10/05/88	MW-17 12/21/88	MW-17 3/24/89	MW-17 7/07/89	MW-17 10/25/89	MW-17 12/14/89
ARSENIC	ug/l	<1.0	<10	<10	NA	NA	NA	NA	NA	NA
BARIUM	ug/l	77.0	200	200	190	130	160	240	170	100
CADMIUM	ug/l	1.1	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	2.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	1.0	<10	<10	<5	<50	<50	<50	<50	<50
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	0.31	3.1	3.3	4.3	0.85	4.1	4.9	<0.02	<0.0001
ANILINE	ug/l	<10	NA	NA	<10	<10	<10	<10	<10	<10
CRESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<20	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	<1	<1	<1	<1	<1	<1

NOTES: - NA - NOT ANALYZED

TABLE 4-5 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

BONE YARD

COMPOUND	UNITS	MW-18 8/21/84	MW-18 3/24/88	MW-18 6/16/88	MW-18 10/05/88	MW-18 12/21/88	MW-18 3/24/89	MW-18 7/07/89	MW-18 10/25/89	MW-18 12/14/89
ARSENIC	ug/l	1.0	<10	<10	NA	NA	NA	NA	NA	NA
BARIUM	ug/l	22.0	40	40	60	<50	55	55	56	18
CADMIUM	ug/l	0.4	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	6.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	<1.0	<10	<10	<5	<50	<2	<2	<2	<2
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	NA	NA	NA	NA
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	0.38	1.8	0.5	<0.1	0.75	0.75	<0.02	<0.0001
ANILINE	ug/l	<10	NA	NA	<10	<10	<10	<10	<10	<10
CRESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	10	NA	NA	NA	NA	NA	NA
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	<1	<1	<1	<1	<1	<1

NOTES: - NA - NOT ANALYZED

TABLE 4-5 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

BONE YARD

COMPOUND	UNITS	MW-21 8/8/84	MW-21 3/24/88	MW-21 8/18/88	MW-21 10/05/88	MW-21 12/21/88	MW-21 3/24/89	MW-21 7/07/89	MW-21 10/25/89	MW-21 12/14/89
ARSENIC	ug/l	1.0	<10	<10	NA	NA	NA	NA	NA	NA
BARIUM	ug/l	16.0	10	90	120	150	150	120	120	<10
CADMIUM	ug/l	0.3	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	12.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	0.4	<0.2	0.7	NA	NA	NA	NA	NA	NA
LEAD	ug/l	1.0	<10	<10	<5	<50	<50	<50	<50	<50
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	0.1	0.33	<0.25	0.3	0.37	0.72	0.87	<0.02	<0.1
ANILINE	ug/l	<10	NA	NA	<10	<10	<10	<10	<10	<10
CEESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<30	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<30	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORO BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	<1	<1	<1	<1	<1	<1

NOTES: - NA - NOT ANALYZED

TABLE 4-5 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

BONE YARD

COMPOUND	UNITS	MW-22 8/21/84	MW-22 3/24/88	MW-22 6/16/88	MW-22 10/05/88	MW-22 12/21/88	MW-22 3/24/89	MW-22 7/07/89	MW-22 01/25/89	MW-22 2/14/89
ARSENIC	ug/l	<1.0	<10	<10	NA	NA	NA	NA	NA	NA
BARIUM	ug/l	18.0	20	20	22	<50	<50	35	29	18
CADMIUM	ug/l	0.2	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	5.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	4.0	<10	<10	<5	<50	<50	<2	<2	<2
SELENIUM	ug/l	<2.0	<10	<10	NA	NA	NA	NA	NA	NA
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	<0.1	<0.1	0.47	0.18	<0.02	<0.1
ANILINE	ug/l	<10	NA	NA	<10	<10	<10	<10	<10	<10
CRESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	<1	<1	<1	<1	<1	<1

NOTES: - NA - NOT ANALYZED

TABLE 4-5 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

BONE YARD

COMPOUND	UNITS	WF-2A 8/21/84	WF-2A 3/24/88	WF-2A 12/21/88	WF-2A 3/24/89	WF-2A 7/07/89	WF-2A 10/25/89	WF-2A 12/14/89
ARSENIC	ug/l	2.0	<10	NA	NA	NA	NA	NA
BARIUM	ug/l	104.0	150	200	96	100	110	73
CADMIUM	ug/l	<0.2	<5	NA	NA	NA	NA	NA
CHROMIUM	ug/l	4.0	<10	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	NA	NA	NA	NA	NA
LEAD	ug/l	3.0	<10	<50	<50	<2	<2	<2
SELENIUM	ug/l	<2.0	<10	<2	<2	NA	NA	NA
SILVER	ug/l	NA	<10	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	10.3	<0.25	0.78	0.88	0.17	<0.02	<0.1
ANILINE	ug/l	<10	NA	<10	<10	<10	<10	<10
CREOSOL	ug/l	<20	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	<30	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	NA	NA	NA	NA	NA
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	<1	<1	<1	<1

NOTES: - NA - NOT ANALYZED

- WF-2A was not sampled 6/16/88 or 10/05/88 due to an
insufficient volume of groundwater in the well.

TABLE 4-5 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

BONE YARD

COMPOUND	UNITS	WF-2B 8/21/84	WF-2B 3/24/88	WF-2B 6/18/88	WF-2B 10/05/88	WF-2B 12/21/88	WF-2B 3/24/89	WF-2B 7/07/89	WF-2B 10/25/89	WF-2B 12/14/89
ARSENIC	ug/l	<1.0	<10	<10	NA	NA	NA	NA	NA	NA
BARIUM	ug/l	123.0	160	140	180	270	180	110	220	170
CADMIUM	ug/l	0.8	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	23.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	3.0	<10	<10	<5	<50	<50	<2	<2	<2
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	NA	NA	NA
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	11.1	<0.25	<0.25	5.7	1	2.6	9.1	<0.02	<0.1
ANILINE	ug/l	<10	NA	NA	<10	<10	<10	<10	<10	<10
OPESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<20	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FLUORAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBEZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	<1	<1	<1	<1	<1	<1

NOTES: - NA - NOT ANALYZED

TABLE 4-6

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

LAND APPLICATION AREA

COMPOUND	UNITS	MW-6 8/16/84	MW-6 3/23/86	MW-6 6/15/88	MW-6 10/24/89	MW-6 12/13/89
ARSENIC	ug/l	2.0	<10	<10	56	2.8
BARIUM	ug/l	35.0	40	40	89	36
CADMIUM	ug/l	17.1	<5	<5	<5	<5
CHROMIUM	ug/l	17.0	<10	<10	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA
LEAD	ug/l	4.0	<10	<10	<50	100
SELENIUM	ug/l	<2.0	<10	<10	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	NA	NA
ANILINE	ug/l	<10	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	NA	NA
2-CHLOROPHENOL	ug/l	NA	<10	NA	NA	NA
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	NA	NA
2,4-DINITROPHENOL	ug/l	NA	<30	NA	NA	NA
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	NA	NA
2-NITROPHENOL	ug/l	NA	<30	NA	NA	NA
4-NITROPHENOL	ug/l	NA	<30	NA	NA	NA
PENTACHLOROPHENOL	ug/l	NA	<10	NA	NA	NA
PHENOL	ug/l	<20	<10	NA	NA	NA
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	<10	<10
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA
METHYLENECHLORIDE	ug/l	NA	NA	NA	NA	NA
MEK	ug/l	<1	<1	<10	NA	NA
TOLUENE	ug/l	<1	<1	<1	NA	NA
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	NA	NA

NOTES:

NA-NOT ANALYZED

MW-8, AND MW 13 WERE NOT SAMPLED

10/04 88 DUE TO INSUFFICIENT WATER

MW-6 WAS NOT SAMPLED 12/21/88

3/23/89, AND 7/6/89 DUE TO

INSUFFICIENT WATER.

TABLE 4-6 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

LAND APPLICATION AREA

COMPOUND	UNITS	MW-7 8/8/84	MW-7 3/23/88	MW-7 6/15/88	MW-7 10/04/88	MW-7 10/24/89	MW-7 12/21/88	MW-7 3/23/89	MW-7 7/06/89	MW-7 12/13/89
ARSENIC	ug/l	3.0	<10	<10	<10	3.5	2	<2	6	2.8
BARIUM	ug/l	26.0	40	40	33	44	<50	<50	41	49
CADMIUM	ug/l	4.2	<5	<5	<5	<5	<5	<5	<5	<5
CHROMIUM	ug/l	17.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	3.0	<10	<10	<5	<5	<50	<50	<50	<50
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	NA	NA	NA	NA	NA	NA
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
PHENOL	ug/l	<20	<10	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	<10	<10	<10	<10	<10	<10
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	NA	NA	NA	NA	NA	NA
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA	NA

NOTES:

NA-NOT ANALYZED

MW-8, AND MW 13 WERE NOT SAMPLED
10/04 88 DUE TO INSUFFICIENT WATERMW-6 WAS NOT SAMPLED 12/21/88
3/23/89, AND 7/6/89 DUE TO
INSUFFICIENT WATER.

TABLE 4-6 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

LAND APPLICATION AREA

COMPOUND	UNITS	MW-8 8/16/84	MW-8 3/23/88	MW-8 6/15/88	MW-8 12/21/88	MW-8 3/23/89	MW-8 7/06/89	MW-8 10/24/89	MW-8 12/13/89
ARSENIC	ug/l	4.0	<10	<10	13	10	12	18	8.8
BARIUM	ug/l	43.0	30	20	<50	<50	56	75	24
CADMIUM	ug/l	0.6	<5	<5	<5	<5	<5	<5	<5
CHROMIUM	ug/l	18.0	<10	<10	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA
LEAD	ug/l	3.0	<10	<10	<50	<50	<50	<50	<50
SELENIUM	ug/l	<2.0	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	NA	NA	NA	NA	NA
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA
PHENOL	ug/l	<20	<10	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	<10	<10	<10	<10	<10
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	NA	NA	NA	NA	NA
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA

NOTES:

NA-NOT ANALYZED

MW-8, AND MW 13 WERE NOT SAMPLED
10/04/88 DUE TO INSUFFICIENT WATER

MW-6 WAS NOT SAMPLED 12/21/88

3/23/89, AND 7/6/89 DUE TO

INSUFFICIENT WATER.

TABLE 4-6 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

LAND APPLICATION AREA

COMPOUND	UNITS	MW-9 8/20/84	MW-9 3/23/88	MW-9 6/15/88	MW-9 10/04/88	MW-9 12/21/88	MW-9 3/23/89	MW-9 7/06/89	MW-9 10/24/89	MW-9 12/13/89
ARSENIC	ug/l	<1.0	<10	<10	<10	<2	<2	<2	<2	<2
BARIUM	ug/l	6.0	10	10	23	<50	<50	12	34	13
CADMIUM	ug/l	0.2	<5	<5	<5	<5	<5	<5	<5	<5
CHROMIUM	ug/l	27.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	<1.0	<10	<10	<5	<50	<50	<50	<50	<50
SELENIUM	ug/l	2.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	NA	NA	NA	NA	NA	NA
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-4-DICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-4-DIMETHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-4-DINITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
PHENOL	ug/l	<20	<10	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	<10	<10	<10	<10	<10	<10
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	NA	NA	NA	NA	NA	NA
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA	NA

NOTES:

NA-NOT ANALYZED
 MW-8, AND MW 13 WERE NOT SAMPLED
 10/04 88 DUE TO INSUFFICIENT WATER
 MW-6 WAS NOT SAMPLED 12/21/88
 3/23/89, AND 7/6/89 DUE TO
 INSUFFICIENT WATER.

TABLE 4-6 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

LAND APPLICATION AREA

COMPOUND	UNITS	MW-10 8/16/84	MW-10 3/23/88	MW-10 6/15/88	MW-10 10/04/88	MW-10 12/21/88	MW-10 3/23/89	MW-10 7/06/89	MW-10 10/24/89	MW-10 12/13/89
ARSENIC	ug/l	<1.0	<10	<10	<10	6	<2	<2	<2	<2
BARIUM	ug/l	<2.0	<10	<10	20	<50	<50	12	13	23
CADMIUM	ug/l	2.3	<5	<5	<5	<5	<5	<5	<5	<5
CHROMIUM	ug/l	18.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	<1.0	<10	<10	<5	<50	<50	<50	<50	<50
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	NA	NA	NA	NA	NA	NA
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
PHENOL	ug/l	<20	<10	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	<10	<10	<10	<10	<10	<10
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	NA	NA	NA	NA	NA	NA
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA	NA

NOTES:

NA-NOT ANALYZED
 MW-8, AND MW 13 WERE NOT SAMPLED
 10/04 88 DUE TO INSUFFICIENT WATER
 MW-6 WAS NOT SAMPLED 12/21/88
 3/23/89, AND 7/6/89 DUE TO
 INSUFFICIENT WATER.

TABLE 4-6 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

LAND APPLICATION AREA

COMPOUND	UNITS	MW-11 8/8/84	MW-11 3/23/88	MW-11 8/15/88	MW-11 10/04/88	MW-11 12/21/88	MW-11 3/23/89	MW-11 7/06/89	MW-11 10/24/89	MW-11 12/13/89
ARSENIC	ug/l	<1.0	<10	<10	<10	<2	<2	<2	<2	<2
BARIUM	ug/l	7.0	20	10	18	<50	<50	18	24	19
CADMIUM	ug/l	0.3	<5	<5	<5	<5	<5	<5	<5	<5
CHROMIUM	ug/l	21.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	0.3	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	10.0	<10	<10	<5	<50	<50	<50	<50	140
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	NA	NA	NA	NA	NA	NA
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
PHENOL	ug/l	<20	<10	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	<10	<10	<10	<10	<10	<10
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<1	<1	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	NA	NA	NA	NA	NA	NA
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA	NA

NOTES:

NA-NOT ANALYZED

MW-8, AND MW 13 WERE NOT SAMPLED
10/04 88 DUE TO INSUFFICIENT WATERMW-6 WAS NOT SAMPLED 12/21/88
3/23/89, AND 7/6/89 DUE TO
INSUFFICIENT WATER.

TABLE 4-6 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

LAND APPLICATION AREA

COMPOUND	UNITS	MW-12 8/16/84	MW-12 3/23/88	MW-12 6/15/88	MW-12 10/04/88	MW-12 12/21/88	MW-12 3/23/89	MW-12 7/06/89	MW-12 10/24/89	MW-12 12/13/89
ARSENIC	ug/l	<1.0	<10	<10	<10	2	<2	2	<2	<2
BARIUM	ug/l	9.0	10	<10	27	<50	<50	24	13	25
CADMIUM	ug/l	<0.2	<5	<5	<5	<5	<5	<5	<5	<5
CHROMIUM	ug/l	18.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	2.0	<10	<10	<5	<50	<50	<50	<50	52
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	NA	NA	NA	NA	NA	NA
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	ug/l	NA	<30	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
PHENOL	ug/l	<20	<10	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	NA	NA	NA	NA	NA	NA
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	<10	<10	<10	<10	<10	<10
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	NA	NA	NA	NA	NA	NA
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA	NA

NOTES:

NA-NOT ANALYZED

MW-8, AND MW 13 WERE NOT SAMPLED
10/04 88 DUE TO INSUFFICIENT WATER

MW-6 WAS NOT SAMPLED 12/21/88

3/23/89, AND 7/6/89 DUE TO

INSUFFICIENT WATER.

TABLE 4-6 (CONTINUED)

SUMMARY OF QUARTERLY GROUNDWATER
QUALITY ANALYTICAL DATA

LAND APPLICATION AREA

COMPOUND	UNITS	MW-13 8/16/84	MW-13 10/24/89	MW-13 3/23/88	MW-13 6/15/88	MW-13 12/21/88	MW-13 3/23/89	MW-13 7/06/89	MW-13 10/24/89	MW-13 12/13/89
ARSENIC	ug/l	<1.0	<2	<10	<10	<2	<2	<2	<2	<2
BARIUM	ug/l	<5.0	11	<10	<10	<50	<50	<10	11	29
CADMIUM	ug/l	<5	<5	<5	<5	<5	<5	<5	<5	<5
CHROMIUM	ug/l	12.0	NA	<10	<10	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	NA	<0.2	<0.2	NA	NA	NA	NA	NA
LEAD	ug/l	1.0	<50	<10	<10	<50	<50	<50	<50	<50
SELENIUM	ug/l	<2.0	<2	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	NA	<10	<10	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	NA	<0.25	<0.25	NA	NA	NA	NA	NA
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	NA	<20	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	ug/l	NA	NA	<30	NA	NA	NA	NA	NA	NA
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	ug/l	NA	NA	<30	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	ug/l	NA	NA	<30	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
PHENOL	ug/l	<20	NA	<10	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK	ug/l	<1	NA	<10	<10	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	NA	<1	<1	NA	NA	NA	NA	NA
TRICHLOROETHYLENE	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	ug/l	<3	NA	<1	<1	NA	NA	NA	NA	NA

NOTES:

NA-NOT ANALYZED
 MW-8, AND MW 13 WERE NOT SAMPLED
 10/04 88 DUE TO INSUFFICIENT WATER
 MW-6 WAS NOT SAMPLED 12/21/88
 3/23/89, AND 7/6/89 DUE TO
 INSUFFICIENT WATER.

TABLE 4-7

SUMMARY OF QUARTERLY GROUNDWATER QUALITY ANALYTICAL DATA

PHENOL RECOVERY AREA

COMPOUND	UNITS	MW-1 8/20/84	MW-1 3/24/88	MW-1 6/16/88	MW-1 10/04/88	MW-1 12/22/88	MW-1 3/24/89	MW-1 7/07/89	MW-1 10/25/89	MW-1 12/14/89
ARSENIC	ug/l	2.0	<10	<10	<10	5	6	7	9	10
BARIUM	ug/l	29.0	70	70	NA	NA	NA	NA	NA	NA
CADMIUM	ug/l	15.8	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	17.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	1.0	<10	<10	<5	<2	<2	<2	<2	<2
SELENIUM	ug/l	<2.0	<10	<10	<10	NA	NA	NA	NA	NA
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	0.5	<0.1	0.4	0.67	<0.02	<0.1
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	<20	<20	<110	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
ETHYLBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
METHYLENE CHLORIDE	ug/l	NA	NA	NA	1.2	<1	<1	<1	<1	<1
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA	NA

NOTES: - NA - NOT ANALYZED

TABLE 4-7 (CONTINUED)

SUMMARY OF GROUNDWATER QUALITY ANALYTICAL DATA

PHENOL RECOVERY AREA

COMPOUND	UNITS	MW-3 8/20/84	MW-3 3/24/88	MW-3 6/16/88	MW-3 10/04/88	MW-3 12/22/88	MW-3 3/24/89	MW-3 7/07/89	MW-3 10/25/89	MW-3 12/14/89
ARSENIC	ug/l	1.0	<10	<10	<10	<2	<2	<2	<2	<2
BARIUM	ug/l	8.0	20	20	NA	NA	NA	NA	NA	NA
CADMIUM	ug/l	4.1	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	18.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	<1.0	<10	<10	<5	<50	<50	<50	<50	<50
SELENIUM	ug/l	6.0	<10	<10	15	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	0.4	<0.25	0.2	<0.1	0.27	1.3	<0.02	<0.1
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CREOSOL	ug/l	<20	<20	NA	<20	<20	<110	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	10	NA	NA	NA	NA	NA	NA
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
ETHYLBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
METHYLENE CHLORIDE	ug/l	NA	NA	NA	1.5	<1	<1	<1	<1	<1
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA	NA

NOTES: - NA - NOT ANALYZED

TABLE 4-7 (CONTINUED)

SUMMARY OF GROUNDWATER QUALITY ANALYTICAL DATA

PHENOL RECOVERY AREA

COMPOUND	UNITS	MW-15 8/20/84	MW-15 3/24/88	MW-15 6/16/88	MW-15 10/04/88	MW-15 12/22/88	MW-15 3/24/89	MW-15 7/07/89	MW-15 <10/25/89	MW-15 12/14/89
ARSENIC	ug/l	26.0	20	60	29	40	52	33	15	<2.0
BARIUM	ug/l	24.0	50	80	NA	NA	NA	NA	NA	NA
CADMIUM	ug/l	3.8	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	17.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	<1.0	<10	<10	<5	<50	<50	<50	<50	<50
SELENIUM	ug/l	13.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	0.42	<0.25	<0.25	0.4	0.25	0.72	1.1	<0.02	<0.1
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	<20	<100	<110	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<50	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<50	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<50	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	610	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<150	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<250	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<150	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<250	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<50	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<50	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<50	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
PCB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	2.7	<1	2.9	3.2	6.7	<1
CHLOROBENZENE	ug/l	NA	NA	NA	2.1	<1	2.4	3.1	5.8	<1
ETHYLBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	1.5	<1
METHYLENE CHLORIDE	ug/l	NA	NA	NA	1.4	<1	<1	<1	<1	<1
MEK	ug/l	3.0	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	3	<1	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
XYLENES	ug/l	4	<1	<1	NA	NA	NA	NA	NA	NA

NOTES: - NA - NOT ANALYZED

TABLE 4-7 (CONTINUED)

SUMMARY OF GROUNDWATER QUALITY ANALYTICAL DATA

PHENOL RECOVERY AREA

COMPOUND	UNITS	MW-16 8/20/84	MW-16 3/24/88	MW-16 6/16/88	MW-16 10/04/88	MW-16 12/22/88	MW-16 3/24/89	MW-16 7/07/89	MW-16 10/25/89	MW-16 12/14/89
ARSENIC	ug/l	8.0	<10	<10	<10	10	11	13	11	5.2
BARIUM	ug/l	4.0	40	60	NA	NA	NA	NA	NA	NA
CADMIUM	ug/l	0.2	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	20.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	<1.0	<10	<10	<5	<50	<50	<50	<50	<50
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	<0.05	<0.25	<0.25	<0.1	<0.1	0.2	1.6	<0.02	<0.1
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CREOSOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	<10	<10	<10	<10
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	50	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
ETHYLBENZENE	ug/l	NA	NA	NA	<1	<1	<1	1.2	<1	<1
METHYLENE CHLORIDE	ug/l	NA	NA	NA	1.4	<1	<1	<1	<1	<1
MEK	ug/l	<1	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	1.3	<1	<1
TRICHLOROETHYLENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA	NA

NOTES: - NA - NOT ANALYZED

TABLE 4-7 (CONTINUED)

SUMMARY OF GROUNDWATER QUALITY ANALYTICAL DATA

PHENOL RECOVERY AREA

COMPOUND	UNITS	MW-19 8/20/84	MW-19 3/24/88	MW-19 6/16/88	MW-19 10/04/88	MW-19 12/22/88	MW-19 3/24/89	MW-19 7/07/89	MW-19 10/25/89	MW-19 12/14/89
PHENOL RECOVERY AREA										
ARSENIC	ug/l	<1.0	<10	<10	<10	<2	<2	<2	2.4	<2
BARIUM	ug/l	37.0	100	80	NA	NA	NA	NA	NA	NA
CADMIUM	ug/l	1.9	<5	<5	NA	NA	NA	NA	NA	NA
CHROMIUM	ug/l	16.0	<10	<10	NA	NA	NA	NA	NA	NA
MERCURY	ug/l	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA
LEAD	ug/l	2.0	<10	<10	<5	<50	<50	<50	<50	<50
SELENIUM	ug/l	<2.0	<10	<10	<10	<2	<2	<2	<2	<2
SILVER	ug/l	NA	<10	<10	NA	NA	NA	NA	NA	NA
FORMALDEHYDE	mg/l	0.37	0.9	<0.25	0.7	0.74	1.1	1.3	<0.02	<0.1
ANILINE	ug/l	<10	NA	NA	NA	NA	NA	NA	NA	NA
CRESOL	ug/l	<20	<20	NA	<20	<20	<20	<20	<20	<20
4-CHLORO-3-METHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	ug/l	NA	<30	NA	<30	<30	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	ug/l	NA	<10	NA	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	ug/l	NA	<30	NA	<30	<30	20	<10	66	48
4-NITROPHENOL	ug/l	NA	<30	NA	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	ug/l	NA	<10	NA	<20	<10	<50	<50	<50	<50
PHENOL	ug/l	<20	<10	NA	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	ug/l	NA	<10	NA	<10	<10	<10	<10	<10	<10
TOTAL RECOVERABLE PHENOLICS	ug/l	NA	NA	<10	NA	NA	NA	NA	NA	NA
POB	mg/l	<0.1	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
FURFURAL	mg/l	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
RESORCINOL	mg/l	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
ETHYLBENZENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
METHYLENE CHLORIDE	ug/l	NA	NA	NA	1.9	<1	<1	<1	<1	<1
MEK	ug/l	1.0	<10	<10	NA	NA	NA	NA	NA	NA
TOLUENE	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHOETHYLENE	ug/l	NA	NA	NA	<1	<1	<1	<1	<1	<1
XYLENES	ug/l	<3	<1	<1	NA	NA	NA	NA	NA	NA

NOTES: - NA - NOT ANALYZED

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-8

RFI GROUNDWATER - BACKGROUND

MONITORING WELLS	BACKGROUND		LABORATORY
	MW-14	MW-20	BLANKS
<u>AROMATIC VOLATILES (8020) (ppb)</u>			
BENZENE	<1	<1	<1
CHLOROBENZENE	<1	<1	<1
1,2-DICHLOROBENZENE	<1	<1	<1
1,3-DICHLOROBENZENE	<1	<1	<1
1,4-DICHLOROBENZENE	<1	<1	<1
ETHYLBENZENE	<1	<1	<1
TOLUENE	<1	<1	<1
XYLENES	<1	<1	<1
2-BUTANONE (MEK)	<10	<10	<10
TOTAL	BDL	BDL	BDL
<u>PHENOLS (8040) (ppb)</u>			
4-CHLORO-3-METHYLPHENOL	<10	<10	<10
2-CHLOROPHENOL	<10	<10	<10
2,4-DICHLOROPHENOL	<10	<10	<10
2,4-DIMETHYLPHENOL	<10	<10	<10
2,4-DINITROPHENOL	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	<50	<50	<50
2-NITROPHENOL	<10	<10	<10
* 4-NITROPHENOL	<50	<50	<50
PENTACHLOROPHENOL	<50	<50	<50
PHENOL	<10	<10	<10
2,4,6-TRICHLOROPHENOL	<10	<10	<10
TOTAL	BDL	BDL	BDL
<u>CREOSOL (ORTHO) (ppb)</u>			
	<10	<10	<10
<u>CREOSOL M&P (ppb)</u>			
	<10	<10	<10
<u>ANILINE (ppb)</u>			
	<10	<10	<10
<u>FORMALDEHYDE (HPLC) (ppb)</u>			
	<10	<10	<10
<u>PCBS (ppb)</u>			
AROCLOR-1016	<0.5	<0.5	<0.5
AROCLOR-1221	<0.5	<0.5	<0.5
AROCLOR-1232	<0.5	<0.5	<0.5
AROCLOR-1242	<0.5	<0.5	<0.5
AROCLOR-1248	<0.5	<0.5	<0.5
AROCLOR-1254	<0.5	<0.5	<0.5
AROCLOR-1260	<0.5	<0.5	<0.5
TOTAL	BDL	BDL	BDL
<u>PHENOLICS (EPA 420.1) (ppm)</u>			
PHENOLICS, TOTAL	<0.01	<0.01	<0.01
<u>METALS (ppm)</u>			
ARSENIC	0.0064	0.011	<0.002
BARIUM	0.057	0.096	<0.01
CADMIUM	<0.005	<0.005	<0.005
LEAD	0.0086	0.0074	<0.005
MERCURY	<0.0002	<0.0002	<0.0002
SELENIUM	<0.002	<0.002	<0.002
<u>PURGEABLES 8010 (ppb)</u>			
BENZYL CHLORIDE	<1	<1	<1
BROMOBENZENE	<1	<1	<1
BROMODICHLOROMETHANE	<1	<1	<1
BROMOFORM	<5	<5	<5
BROMOMETHANE	<1	<1	<1
CARBON TETRACHLORIDE	<1	<1	<1
CHLOROETHANE	<1	<1	<1
CHLOROFORM	<1	<1	<1
1-CHLOROHEXANE	<1	<1	<1
2-CHLOROETHYL VINYL ETHER	<10	<10	<10
CHLOROMETHANE	<1	<1	<1
CHLOROTOLUENE	<1	<1	<1
DIBROMOCHLOROMETHANE	<1	<1	<1
DIBROMOMETHANE	<1	<1	<1
DICHLORODIFLUOROMETHANE	<1	<1	<1
1,1-DICHLOROETHANE	<1	<1	<1
1,2-DICHLOROETHANE	<1	<1	<1
1,1-DICHLOROETHENE	<1	<1	<1
1,2-DICHLOROETHENE	<1	<1	<1
DICHLOROMETHANE (METHYLENE CHLORIDE)	<1	<1	<1
1,2-DICHLOROPROPANE	<1	<1	<1
1,3-DICHLOROPROPYLENE	<1	<1	<1
1,1,2,2-TETRACHLOROETHANE	<1	<1	<1
1,1,1,2-TETRACHLOROETHANE	<1	<1	<1
TETRACHLOROETHENE	<1	<1	<1
1,1,1-TRICHLOROETHANE	<1	<1	<1
1,1,2-TRICHLOROETHANE	<1	<1	<1
TRICHLOROETHENE	<1	<1	<1
TRICHLOROFUOROMETHANE	<1	<1	<1
1,2,3-TRICHLOROPROPANE	<1	<1	<1
VINYL CHLORIDE	<1	<1	<1
TOTAL	BDL	BDL	BDL

NOTE: BDL = BELOW LABORATORY DETECTION LIMIT

* Exceeded holding time prior to analysis

* MS/MSD results lower than control limits

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-9

RFI GROUNDWATER - BONEYARD

MONITORING WELLS	BONEYARD								LABORATORY BLANK
	MW-4	MW-17	MW-18	MW-21	MW-22	WF-2B	MW-5	WF-2A	
AROMATIC VOLATILES (8020) (ppb)									
BENZENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DICHLOROBENZENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-DICHLOROBENZENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-DICHLOROBENZENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
ETHYLBENZENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
TOLUENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
XYLENES	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-BUTANONE (MEK)	<10	<10	<10	<10	<10	<10	<10	<10	<10
TOTAL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PHENOLS (8040) (ppb)									
4-CHLORO-3-METHYLPHENOL	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-CHLOROPHENOL	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	<50	<50	<50	<50	<50	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	<50	<50	<50	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-NITROPHENOL	<50	<50	<50	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	<50	<50	<50	<50	<50	<50	<50	<50	<50
PHENOL	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	<10	<10	<10	<10	<10	<10	<10	<10	<10
TOTAL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
CREOSOL (ORTHO) (ppb)									
	<10	<10	<10	<10	<10	<10	<10	<10	<10
CREOSOL M & P (ppb)									
	<10	<10	<10	<10	<10	<10	<10	<10	<10
ANILINE (ppb)									
	<10	<10	<10	<10	<10	<10	<10	<10	<10
FORMALDEHYDE (HPLC) (ppb)									
	<10	<10	<10	<10	<10	<10	<10	<10	<10
PCBS (ppb)									
AROCLOR-1016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1221	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1232	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1242	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1248	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1254	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1260	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TOTAL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PHENOLICS (EPA 420.1) (ppm)									
PHENOLICS, TOTAL	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
METALS (ppm)									
BARIUM	0.018	0.24	0.087	0.12	0.025	0.12	0.11	0.083	<0.01
LEAD	<0.005	<0.005	0.066	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SELENIUM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
TOTAL	0.018	0.24	0.153	0.12	0.025	0.12	0.11	0.083	BDL
PURGEABLES 8010 (ppb)									
BENZYL CHLORIDE	<1	<1	<1	<1	<1	<1	<1	<1	<1
BROMOBENZENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
BROMODICHLOROMETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
BROMOFORM	<1	<1	<1	<1	<1	<1	<5	<5	<5
BROMOMETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
CARBON TETRACHLORIDE	<1	<1	<1	<1	<1	<1	<1	<1	<1
CHLOROETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
CHLOROFORM	<1	<1	<1	<1	<1	<1	<1	<1	<1
1-CHLOROHEXANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-CHLOROETHYL VINYL ETHER	<10	<10	<10	<10	<10	<10	<10	<10	<10
CHLOROMETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
CHLOROTOLUENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
DEBROMOCHLOROMETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
DEBROMOMETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
DICHLORODIFLUOROMETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DICHLOROETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DICHLOROETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-DICHLOROETHENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DICHLOROETHENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
DICHLOROMETHANE (METHYLENE CHLORIDE)	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-DICHLOROPROPANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-DICHLOROPROPYLENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-TETRACHLOROETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-TETRACHLOROETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
TETRACHLOROETHENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-TRICHLOROETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-TRICHLOROETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROETHENE	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRICHLOROFUOROMETHANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-TRICHLOROPROPANE	<1	<1	<1	<1	<1	<1	<1	<1	<1
VINYL CHLORIDE	<1	<1	<1	<1	<1	<1	<1	<1	<1
TOTAL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

NOTE: BDL - BELOW LABORATORY DETECTION LIMIT

Exceeded total by 100 prior to analysis

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-10

RFI GROUNDWATER ANALYSES - LAND APPLICATION AREA

MONITORING WELLS	LAND APPLICATION AREA										LABORATORY BLANK
	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13			
PCBS (ppb)											
AROCOR-1016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCOR-1221	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCOR-1232	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCOR-1242	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCOR-1248	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCOR-1254	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCOR-1260	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TOTAL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PHENOLICS (EPA 420.1) (ppm)											
PHENOLICS, TOTAL	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
METALS (ppm)											
ARSENIC	0.078	0.0021	0.012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
BARIUM	0.082	0.066	0.048	0.019	0.024	0.024	<0.01	0.016	<0.01	<0.01	<0.01
CADMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
LEAD	0.069	<0.005	0.0074	<0.005	<0.005	0.0071	<0.005	<0.005	<0.005	<0.005	<0.005
SELENIUM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

NOTE: BDL - BELOW LABORATORY DETECTION LIMIT

Exceeded holding time limit of 90 days

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-11
RFI GROUNDWATER - PHENOL RECOVERY AREA

MONITORING WELLS	PHENOL RECOVERY AREA						LABORATORY BLANKS
	MW-1	MW-3	MW-15	MW-16	MW-19	MW-27	
AROMATIC VOLATILES (8020) (ppb)							
BENZENE	<1	<1	5	<1	<1	<5	<1
CHLOROBENZENE	<1	<1	4.8	<1	<1	<5	<1
1,2-DICHLOROBENZENE	<1	<1	<1	<1	<1	NA	<1
1,3-DICHLOROBENZENE	<1	<1	<1	<1	<1	NA	<1
1,4-DICHLOROBENZENE	<1	<1	<1	<1	<1	NA	<1
ETHYLBENZENE	<1	<1	<1	<1	<1	<5	<1
TOLUENE	<1	<1	1.3	4.3	<1	<5	<1
XYLENES	1.9	<1	1.6	<1	<1	<5	<1
2-BUTANONE (MEK)	<10	<10	<10	<10	<10	NA	<10
TOTAL	BDL	BDL	12.7	4.3	BDL	BDL	BDL
PHENOLS (8040) (ppb)							
4-CHLORO-3-METHYLPHENOL	<10	<10	<10	<10	<10	NA	<10
2-CHLOROPHENOL	<10	<10	<10	<10	<10	<10	<10
2,4-DICHLOROPHENOL	<10	<10	<10	<10	<10	<10	<10
2,4-DIMETHYLPHENOL	<10	<10	<10	<10	<10	<10	<10
2,4-DINITROPHENOL	<50	<50	<50	<50	<50	<50	<50
2-METHYL-4,6-DINITROPHENOL	<50	<50	<50	<50	<50	<50	<50
2-NITROPHENOL	<10	<10	<10	<10	77	<10	<10
4-NITROPHENOL	<50	<50	<50	<50	<50	<50	<50
PENTACHLOROPHENOL	<50	<50	<50	<50	<50	<50	<50
PHENOL	<10	<10	<10	<10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	<10	<10	<10	<10	<10	<10	<10
TOTAL	BDL	BDL	BDL	BDL	77	BDL	BDL
CBESOL (ORTHOL) (ppb)							
CBESOL	<10	<10	<10	<10	<10	<10	<10
CBESOL M & P (ppb)							
CBESOL M & P	<10	<10	<10	<10	<10	<10	<10
ANILINE (ppb)							
ANILINE	<10	<10	<10	<10	<10	NA	<10
FORMALDEHYDE (HPLC) (ppb)							
FORMALDEHYDE	<10	<10	<10	<10	<10	<10	<10
PCBs (ppb)							
AROCLOR-1016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1221	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1232	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1242	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1248	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1254	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AROCLOR-1260	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TOTAL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PHENOLICS (EPA 420.1) (ppm)							
PHENOLICS, TOTAL	<0.01	<0.01	0.018	<0.01	<0.01	<0.01	<0.01
METALS (ppm)							
ANTIMONY	NA	NA	NA	NA	NA	<0.01	<0.01
ARSENIC	0.016	0.012	0.054	0.049	0.029	0.012	<0.002
BERYLLIUM	NA	NA	NA	NA	NA	<0.005	<0.005
CADMIUM	NA	NA	NA	NA	NA	<0.005	<0.005
CHROMIUM	NA	NA	NA	NA	NA	0.028	<0.01
COPPER	NA	NA	NA	NA	NA	0.03	<0.01
LEAD	0.0077	0.011	<0.005	0.062	<0.005	0.006	<0.005
MERCURY	NA	NA	NA	NA	NA	<0.0002	<0.0002
NICKEL	NA	NA	NA	NA	NA	0.058	<0.02
SELENIUM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
SILVER	NA	NA	NA	NA	NA	<0.01	<0.01
THALLIUM	NA	NA	NA	NA	NA	<0.01	<0.01
ZINC	NA	NA	NA	NA	NA	0.068	0.03
PURGEABLES 8010 (ppb)							
BENZYLCHLORIDE	<1	<1	<1	<1	<1	NA	<1
BROMOBENZENE	<1	<1	<1	<1	<1	NA	<1
BROMODICHLOROMETHANE	<1	<1	<1	<1	<1	<5	<1
BROMOFORM	<5	<5	<5	<5	<5	<5	<5
BROMOMETHANE	<1	<1	<1	<1	<1	<10	<1
CARBON TETRACHLORIDE	<1	<1	<1	<1	<1	<5	<1
CHLOROETHANE	<1	<1	<1	<1	<1	<10	<1
CHLOROFORM	<1	<1	<1	<1	<1	<5	<1
1-CHLOROHEXANE	<1	<1	<1	<1	<1	NA	<1
2-CHLOROETHYL VINYL ETHER	<10	<10	<10	<10	<10	<10	<10
CHLOROMETHANE	<1	<1	<1	<1	<1	<10	<1
CHLOROTOLUENE	<1	<1	<1	<1	<1	NA	<1
DIBROMOCHLOROMETHANE	<1	<1	<1	<1	<1	<5	<1
DIBROMOMETHANE	<1	<1	<1	<1	<1	<5	<1
DICHLORODIFLUOROMETHANE	<1	<1	<1	<1	<1	<5	<1
1,1-DICHLOROETHANE	<1	<1	<1	<1	<1	<5	<1
1,2-DICHLOROETHANE	<1	<1	<1	<1	<1	<5	<1
1,1-DICHLOROETHENE	<1	<1	<1	<1	<1	<5	<1
1,2-DICHLOROETHENE	<1	<1	<1	<1	<1	<5	<1
DICHLOROMETHANE (METHYLENE CHLORIDE)	<1	<1	<1	<1	<1	<5	<1
1,2-DICHLOROPROPANE	<1	<1	<1	<1	<1	<5	<1
1,3-DICHLOROPROPYLENE	<1	<1	<1	<1	<1	<5	<1
1,1,2,2-TETRACHLOROETHANE	<1	<1	<1	<1	<1	NA	<1
1,1,1,2-TETRACHLOROETHANE	<1	<1	<1	<1	<1	<5	<1
TETRACHLOROETHENE	<1	1.8	<1	<1	<1	<5	<0.01
1,1,1-TRICHLOROETHANE	<1	<1	<1	<1	<1	<5	<1
1,1,2-TRICHLOROETHANE	<1	<1	<1	<1	<1	<5	<1
TRICHLOROETHENE	<1	<1	<1	<1	<1	<5	<1
TRICHLOROFLUOROMETHANE	<1	<1	<1	<1	<1	<5	<1
1,2,3-TRICHLOROPROPANE	<1	<1	<1	<1	<1	NA	<1
VINYL CHLORIDE	<1	<1	<1	<1	<1	<5	<1
TOTAL	BDL	1.8	BDL	BDL	BDL	BDL	BDL

NOTE: MW-27 was analyzed for EPA Priority Pollutants; all other parameters (other Base Neutral, Acid Extractable, and VOCs; Pesticides; Dioxins) not listed were below detection limits.
NA - not analyzed
BDL - below laboratory detection limit

* Exceeded holding time prior to analysis
** US/MSD results lower than control limits

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-12

RFI GROUNDWATER - PCB AREA

MONITORING WELLS	MW-23	MW-24	MW-25
<u>VOLATILE ORGANIC COMPOUNDS (ppb)</u>			
ACROLEIN	<50	<50	<50
ACRYLONITRILE	<50	<50	<50
BENZENE	<5	<5	<5
BROMOFORM	<5	<5	<5
BROMOMETHANE	<10	<10	<10
CARBON TETRACHLORIDE	100	<5	<5
CHLOROBENZENE	<5	<5	<5
CHLOROETHANE	<10	<10	<10
2-CHLOROETHYL VINYL ETHER	<10	<10	<10
CHLOROFORM	180	<5	<5
CHLOROMETHANE	<10	<10	<10
DIBROMOCHLOROMETHANE	<5	<5	<5
DICHLOROCHLOROMETHANE	<5	<5	<5
DICHLORODIFLUOROMETHANE	<5	<5	<5
1,1-DICHLOROETHANE	<5	<5	<5
1,2-DICHLOROETHANE	25	<5	<5
1,1-DICHLOROETHENE	<5	<5	<5
1,2-DICHLOROPROPANE	<5	<5	<5
1,3-DICHLOROPROPYLENE	<5	<5	<5
ETHYLBENZENE	<5	<5	<5
METHYLENE CHLORIDE	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	<5	<5	<5
TETRACHLOROETHENE	<5	<5	<5
TOLUENE	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	<5	<5	<5
1,1,1-TRICHLOROETHANE	<5	<5	<5
1,1,2-TRICHLOROETHANE	<5	<5	<5
TRICHLOROETHENE	<5	<5	<5
TRICHLOROFUOROMETHANE	<5	<5	<5
VINYL CHLORIDE	<10	<10	<10
XYLENES	<5	<5	<5
TOTAL (ppb)	305	BDL	BDL
<u>PHENOLICS (EPA 420.1) (ppm)</u>	<0.01	<0.01	<0.01
<u>ACID EXTRACTABLE ORGANICS (ppb)</u>			
TOTAL	BDL	BDL	BDL
<u>BASE NEUTRAL COMPOUNDS (ppb)</u>			
TOTAL	BDL	BDL	BDL
<u>PESTICIDES (ppb)</u>			
TOTAL	BDL	BDL	BDL
<u>2,3,7,8-TETRACHLORODIBENZO-DIOXIN (ppb)</u>	<0.005	<0.005	<0.005
<u>METALS (ppm)</u>			
ANTIMONY	<0.01	<0.01	<0.01
ARSENIC	0.0021	0.0082	0.0022
BARIUM	NA	NA	NA
BERYLLIUM	<0.005	<0.005	<0.005
CADMIUM	<0.005	<0.005	<0.005
CHROMIUM	<0.01	<0.012	<0.12
COPPER	0.012	0.025	0.014
LEAD	<0.005	0.0077	<0.005
MERCURY	<0.0002	<0.0002	<0.0002
NICKEL	0.044	0.052	0.047
SELENIUM	<0.002	<0.002	<0.002
SILVER	<0.01	<0.01	<0.01
THALLIUM	<0.01	<0.01	<0.01
ZINC	<0.01	0.062	0.036
<u>CYANIDE (ppm)</u>	<0.01	0.021	<0.01
<u>PCB'S (ppb)</u>			
AROCLOR-1016	<0.5	<0.5	<0.5
AROCLOR-1221	<0.5	<0.5	<0.5
AROCLOR-1232	<0.5	<0.5	<0.5
AROCLOR-1242	<0.5	<0.5	<0.5
AROCLOR-1248	<0.5	<0.5	<0.5
AROCLOR-1254	<0.5	<0.5	<0.5
AROCLOR-1260	<0.5	<0.5	<0.5
TOTAL (ppb)	BDL	BDL	BDL

NOTES For the sake of brevity, if an analysis for an entire set of constituents was below detectable levels, only the title of that set of constituents is presented in the table

NA - not analyzed

BDL - below laboratory detection limits

Exceeded holding time prior to analysis.

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-13

RFI GROUNDWATER - RIVER LAGOON

MONITORING WELLS	MW-26
<u>AROMATIC VOLATILES (8020.ppb)</u>	
BENZENE	<1
CHLOROBENZENE	<1
1,2-DICHLOROBENZENE	<1
1,3-DICHLOROBENZENE	<1
1,4-DICHLOROBENZENE	<1
ETHYLBENZENE	<1
TOLUENE	<1
XYLENES	<1
2-BUTANONE (MEK)	<10
<u>VOLATILE ORGANIC COMPOUNDS</u>	
ACROLEIN	<50
ACRYLONITRILE	<50
BROMOFORM	<5
BROMOMETHANE	<10
CARBON TETRACHLORIDE	<5
CHLOROETHANE	<10
2-CHLOROETHYL VINYL ETHER	<10
CHLOROFORM	<5
CHLOROMETHANE	<10
DIBROMOCHLOROMETHANE	<5
DICHLOROBROMOMETHANE	<5
DICHLOROFLUOROMETHANE	<5
1,1-DICHLOROETHANE	<5
1,2-DICHLOROETHANE	<5
1,1-DICHLOROETHENE	<5
1,2-DICHLOROPROPANE	<5
1,3-DICHLOROPROPYLENE	<5
METHYLENE CHLORIDE	<5
1,1,2,2-TETRACHLOROETHANE	<5
TETRACHLOROETHENE	<5
TRANS-1,2-DICHLOROETHENE	<5
1,1,1-TRICHLOROETHANE	<5
1,1,2-TRICHLOROETHANE	<5
TRICHLOROETHENE	<5
TRICHLOROFLUOROMETHANE	<5
VINYL CHLORIDE	<10
TOTAL	BDL
<u>PHENOLICS (EPA 420.1) (ppm)</u>	<0.01
<u>ANILINE (ppb)</u>	<10
<u>FORMALDEHYDE (HPLC) (ppb)</u>	27
<u>ACID EXTRACTABLE ORGANICS (ppb)</u>	
TOTAL	BDL
<u>BASE NEUTRAL COMPOUNDS (ppb)</u>	
TOTAL	BDL
<u>PESTICIDES (ppb)</u>	
TOTAL	BDL
<u>2,3,7,8-TETRACHLORODIBENZO-DIOXIN (ppb)</u>	<0.005
<u>METALS (ppm)</u>	
ANTIMONY	0.01
ARSENIC	0.003
BARIUM	NA
BERYLLIUM	<0.005
CADMIUM	<0.005
CHROMIUM	<0.01
COPPER	0.016
LEAD	<0.005
MERCURY	<0.0002
NICKEL	0.049
SELENIUM	<0.002
SILVER	<0.01
THALLIUM	<0.01
ZINC	0.063
<u>CYANIDE (ppm)</u>	<0.01
<u>PCB'S (ppb)</u>	
AROCLOR-1016	<0.5
AROCLOR-1221	<0.5
AROCLOR-1232	<0.5
AROCLOR-1242	<0.5
AROCLOR-1248	<0.5
AROCLOR-1254	<0.5
AROCLOR-1260	<0.5
TOTAL	BDL

NOTES: For the sake of brevity, if an analysis for an entire set of constituents was below detectable levels, only the title of that set of constituents is presented in the table
 NA - not analyzed
 BDL - below laboratory detection limits

Exceeded holding time prior to analysis.

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-14

UST WATER ANALYTICAL RESULTS

SAMPLE ID	SAMPLE LOCATION	BENZENE (ppb)	ETHYL BENZENE (ppb)	TOLUENE (ppb)	TOTAL PETROLEUM HYDROCARBONS			NAPHTHALENE (ppb)
					TPH (ppm)	xylenes (ppm)	comps (ppm)	
EW-1 (10/18/91)	EXCAVATION WATER	4.3	41	15	1.4	1.4	1.4	4.8
EW-1 (1/22/92)	EXCAVATION WATER	<0.5	2.4	0.54	4.43	4.43	4.43	<0.5
MAXIMUM CONTAMINANT LEVEL		0.7	700	1,000	10,000			1,000

NY Gov std

NOTE: (1) - FROM "DOCKET REPORT ON HEALTH-BASED REGULATORY LEVELS AND SOLUBILITIES USED IN THE EVALUATION OF DELISTING PETITIONS"; CONTRACT NO-68-01-7624, OFFICE OF SOLID WASTE, USEPA, APRIL 1988

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-15
SUPPLEMENTAL GROUNDWATER - PHENOL RECOVERY AREA

MONITORING WELLS	PHENOL RECOVERY AREA			LABORATORY BLANKS
	MW-28	MW-29	MW-30	
AROMATIC VOLATILES (8020) (ppb)				
BENZENE	3.5	230	3.2	<5
CHLOROBENZENE	2.4	39	1.3	<5
1,2-DICHLOROBENZENE	<1	<10	<1	<5
1,3-DICHLOROBENZENE	<1	<10	<1	<5
1,4-DICHLOROBENZENE	18	2000	<1	<5
ETHYLBENZENE	6.9	390	3.7	<5
TOLUENE	40	350000	320	<5
XYLENES	8.5	280	1.6	<5
2-BUTANONE (MEK)	<10	<100	69	NA
TOTAL	98.9	352939	398.8	BDL
PHENOLS (8040) (ppb)				
4-CHLORO-3-METHYLPHENOL	<10	<100	<10	<200
2-CHLOROPHENOL	<10	<100	<10	<200
2,4-DICHLOROPHENOL	<10	<100	<10	<200
2,4-DIMETHYLPHENOL	<10	300	<10	<200
2,4-DINITROPHENOL	<50	<500	<50	<1000
2-METHYL-4,6-DINITROPHENOL	<50	<500	<50	<1000
2-NITROPHENOL	<10	<100	<10	<200
4-NITROPHENOL	<50	<100	<50	<200
PENTACHLOROPHENOL	<50	<500	<50	<1000
PHENOL	1500	27000	260	<200
2,4,6-TRICHLOROPHENOL	<10	<100	<10	<200
TOTAL	1500	27300	250	BDL
CRESOL (ORTHO) (ppb)				
	186	1900	<10	<200
CRESOL M & P (ppb)				
	250	2800	<10	<200
RESORCINOL (ppb)				
	<20	<200	<20	<670
ANILINE (ppb)				
	<10	<10	<10	<200
FURFURAL (ppb)				
	<50	<500	<50	<1000
FORMALDEHYDE (HPLC) (ppb)				
	<10	4700	24	<50
PCBs (ppb)				
AROCLOR-1018	<0.5	<0.5	<0.5	<80
AROCLOR-1221	<0.5	<0.5	<0.5	<80
AROCLOR-1232	<0.5	<0.5	<0.5	<80
AROCLOR-1242	<0.5	<0.5	<0.5	<80
AROCLOR-1248	<0.5	<0.5	<0.5	<80
AROCLOR-1254	<0.5	<0.5	<0.5	<80
AROCLOR-1260	<0.5	<0.5	<0.5	<80
TOTAL	BDL	BDL	BDL	BDL
METALS (ppm)				
ANTIMONY	NA	NA	NA	<0.01
ARSENIC	0.013	<0.002	0.0032	<0.05
BARIUM	0.15	0.077	0.088	<0.5
BERYLLIUM	NA	NA	NA	NA
CADMIUM	<0.005	<0.005	<0.005	<0.5
CHROMIUM	<0.01	<0.01	<0.01	<0.5
COPPER	NA	NA	NA	NA
LEAD	0.0085	0.0055	0.0061	<0.5
MERCURY	<0.0002	<0.0002	<0.0002	<0.005
NICKEL	NA	NA	NA	NA
SELENIUM	<0.002	<0.002	<0.002	<0.5
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PURGEABLES 8010 (ppb)				
BENZYL CHLORIDE	<1	<10	<1	<5
BROMOBENZENE	<1	<10	<1	<5
BROMODICHLOROMETHANE	<1	<10	<1	<5
BROMOFORM	<5	<50	<5	<25
BROMOMETHANE	<1	<10	<1	<5
CARBON TETRACHLORIDE	<1	<10	<1	<5
CHLOROETHANE	<1	<1	<1	<5
CHLOROFORM	<1	<1	<1	<5
1-CHLOROHXANE	<1	<1	<1	<5
2-CHLOROETHYL VINYL ETHER	<10	<100	<10	<50
CHLOROMETHANE	<1	<10	<1	<5
CHLOROTOLUENE	<1	<10	<1	<5
DIBROMOCHLOROMETHANE	<1	<10	<1	<5
DIBROMOMETHANE	<1	<10	<1	<5
DICHLORODIFLUOROMETHANE	<1	<10	<1	<5
1,1-DICHLOROETHANE	<1	<10	<1	<5
1,2-DICHLOROETHANE	<1	<10	<1	<5
1,1-DICHLOROETHENE	<1	<10	<1	<5
1,2-DICHLOROETHENE	<1	<10	<1	<5
DICHLOROMETHANE (METHYLENE CHLORIDE)	<1	<10	<1	<5
1,2-DICHLOROPROPANE	<1	<10	<1	<5
1,3-DICHLOROPROPYLENE	<1	<10	<1	<5
1,1,2,2-TETRACHLOROETHANE	<1	<10	<1	<5
1,1,1,2-TETRACHLOROETHANE	<1	<10	<1	<5
TETRACHLOROETHENE	<1	<10	<1	<5
1,1,1-TRICHLOROETHANE	<1	<10	<1	<5
1,1,2-TRICHLOROETHANE	<1	<10	<1	<5
TRICHLOROETHENE	<1	<10	<1	<5
TRICHLOROFUOROMETHANE	<1	<10	<1	<5
1,2,3-TRICHLOROPROPANE	<1	<10	<1	<5
VINYL CHLORIDE	<1	<10	<1	<5
TOTAL	BDL	BDL	BDL	BDL

NOTES: NA - Not Analyzed
BDL - Below Laboratory Detection Limit

TABLE 4-16

1984 BACKGROUND SOIL ANALYSIS

Enclosure No 5
2nd half of Question
"Page 49, 2nd paragraph"

COMPOUND (ppm)	BG-1	BG-2	BG-3	BG-4	BG-5	BG-6	BG-7	BG-8	BG-9	BG-10	MEAN
ORGANICS											
ANILINE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CRESOL	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
FORMALDEHYDE	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.0044	<0.003	<0.003	<0.003
FURFURAL	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
MEK	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
M-XYLENE	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
O-XYLENE	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
PHENOL	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
P-XYLENE	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
RESORCINOL	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021
TOLUENE	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
POB	<0.0001	<0.0001	<0.0001	<0.0001	0.0009	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

increase
by 1,000

METALS

ARSENIC	0.0096 ✓	0.011 ✓	0.0098 ✓	0.009 ✓	0.0065 ✓	0.0184 ✓	0.0187 ✓	0.0082 ✓	0.0079 ✓	0.0066 ✓	0.0106
BARIUM	0.073 ✓	0.0656 ✓	0.0678 ✓	0.078 ✓	0.0719 ✓	0.1504 ✓	0.079 ✓	0.0811 ✓	0.0745 ✓	0.0763 ✓	0.081
CADMIUM	0.09 ✓	0.09 ✓	0.06 ✓	0.1 ✓	0.08 ✓	0.14 ✓	0.16 ✓	0.09 ✓	0.1 ✓	0.07 ✓	0.098
CHROMIUM	0.0112 ✓	0.0153 ✓	0.0142 ✓	0.015 ✓	0.0139 ✓	0.0178 ✓	0.0163 ✓	0.0109 ✓	0.0124 ✓	0.0132 ✓	0.014
MERCURY	0.0001 ✓	<0.0001 ✓	<0.0001 ✓	<0.0001 ✓	<0.0001 ✓	0.0001 ✓	<0.0001 ✓	0.0001 ✓	<0.0001 ✓	<0.0001 ✓	<0.0001
LEAD	0.0211 ✓	0.0161 ✓	0.0157 ✓	0.019 ✓	0.0144 ✓	0.0568 ✓	0.0177 ✓	0.0113 ✓	0.0135 ✓	0.0096 ✓	0.0195
SELENIUM	<0.0002 ✓	<0.0002 ✓	<0.0002 ✓	<0.0002 ✓	<0.0002 ✓	<0.0002 ✓	<0.0002 ✓	0.0004 ✓	0.0003 ✓	0.0002 ✓	<0.0002

SOILS SAMPLED 1984.

SOURCE: "DATA SUMMARY", T.M. GATES, INC., SUBMITTED JULY 1987

Cadmium is reported
nq/9 by lab

multiply by 1000
except for cadmium

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-17

PCB ANALYSIS FOR 9/84 SAMPLING
(SEE FIGURE 4-5 FOR SAMPLE LOCATIONS)

<u>DIRTY WATER SEWER SAMPLES</u>			<u>PCB AREA SAMPLES</u>		
SAMPLE NO.	PCB (ppm)		SAMPLE NO.	PCB (ppm)	
1 (sediment)	1380		1 (soil)	260	
2 (sediment)	126		5 (water)	2800	
3 (water)	3.5		13 (soil)	185	
4 (sediment)	260				
5 (sediment)	410				
6 (water)	1.5				
7 (sediment)	155				
8 (sediment)	940				
9 (water)	130				
10 (sediment)	3425				
11 (sediment)	9495				

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-18

PCB TESTING OF AREA AROUND VENT
IN PCB RECOVERY AREA
(SEE FIGURE 4-5 FOR SAMPLE LOCATIONS)

SAMPLE NUMBER	DESCRIPTION	PCB (ppm)
34A (surface)	4' WEST OF VENT	1050
34B (1' deep)	4' WEST OF VENT	180
35A (surface)	20' WEST OF VENT	7125
35B (1' deep)	20' WEST OF VENT	480
36A (surface)	26' WEST OF VENT	150
36B (1' deep)	26' WEST OF VENT	150
37A (surface)	32' WEST OF VENT	140
37B (1' deep)	32' WEST OF VENT	110
38A (surface)	60' WEST OF VENT	4
38B (1' deep)	60' WEST OF VENT	4

NOTE: Samples Collected on April 18, 1984

TABLE 4-19

1981 SOILS ANALYSIS
BONEYARD AREA

COMPOUNDS from abbreviated analysis (ppm)	SB-1 (10'-11.5')	SB-2 (0-1.5')	VOLATILE ORGANIC COMPOUNDS (ppm)	SB-1 (0-1.5')	SB-2 (10'-11.5')
aniline	<0.01	<0.01	acrolein	<0.01	<0.01
cresol	<0.01	<0.01	acrylonitrile	<0.01	<0.01
furfural	<0.01	<0.01	benzene	<0.01	<0.01
methanol	0.63	1.53	carbon tetrachloride	<0.01	<0.01
methyl ethyl ketone (MEK)	<0.01	<0.01	chlorobenzene	<0.01	<0.01
phenol	<0.01	<0.01	1,1-dichloroethane	<0.01	<0.01
toluene	<0.01	<0.01	1,2-dichloroethane	<0.01	<0.01
xylene	<0.01	<0.01	1,1,1-trichloroethane	<0.01	<0.01
ammonia (as N)	0.26	1.97	1,1,2-trichloroethane	<0.01	<0.01
epichlorohydrin			1,1,2,2-tetrachloroethane	<0.01	<0.01
(chlorinated propane)			chloroethane	<0.01	<0.01
arsenic	<0.01	<0.01	2-chloroethylvinyl ether	<0.01	<0.01
barium	<0.001	<0.001	chloroform	<0.01	<0.01
cadmium	<0.001	0.0032	1,1'-dichloroethylene	<0.01	<0.01
chromium	<0.001	<0.001	1,2-trans-dichloroethylene	<0.01	<0.01
fluoride	0.5	<0.5	1,2-dichloropropane	<0.01	<0.01
lead	<0.001	<0.001	1,3-dichloropropane	<0.01	<0.01
mercury	<0.001	<0.001	ethylbenzene	<0.01	<0.01
nitrate/nitrite (as N)	0.28	4.5	methylene chloride	0.059	<0.01
selenium	<0.001	<0.001	methyl chloride	<0.01	<0.01
silver	0.0025	<0.001	methyl bromide	<0.01	<0.01
chloride	3	22	bromoform	<0.01	<0.01
iron	0.077	0.582	dichlorobromomethane	<0.01	<0.01
manganese	0.229	0.008	trichlorofluoromethane	<0.01	<0.01
sodium	1.2	1.2	dichlorobromomethane	<0.01	<0.01
sulfate	<10	18	chlorodibromomethane	<0.01	<0.01
formaldehyde	36	<10	tetrachloroethylene	<0.01	<0.01
total organic carbon	3	19	toluene	<0.01	<0.01
phenolics	<0.01	<0.01	trichloroethylene	<0.01	<0.01
			vinyl chloride	<0.01	<0.01
			bis (chloromethyl) ether	<0.01	<0.01
			TOTAL	0.059	BDL
			BASE NEUTRAL COMPOUNDS (ppm)		
			TOTAL	NA	BDL
			PESTICIDES AND PCBs (ppm)		
			TOTAL	NA	BDL
			ACID EXTRACTABLE ORGANICS (ppm)		
			TOTAL	NA	BDL
			CYANIDES AND METALS (ppm)		
			TOTAL	NA	BDL

NOTES:

BDL - Below Detection Limit

NA - Not Analyzed

SOILS SAMPLED 1981.

DATA PRESENTED IN "SUBSURFACE AND HYDROGEOLOGIC INVESTIGATIONS"

SUBTITLED "RECOMMENDED REMEDIAL AND CLOSURE PLAN."

SUBMITTED SEPTEMBER 1981, BY CONVERSE/TenEch.

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-20

1984 PCB SOIL ANALYSIS
BONEYARD AREA

SAMPLE NO.	PCB (ppm)	SAMPLE NO.	PCB (ppm)
BY-2A	<0.1	BY-8A	2.4
BY-2B	<0.1	BY-8B	26.0
BY-2C	0.67	BY-8C	1.7
BY-2D	0.26	BY-8D	5.9
BY-2E	16.4	BY-8E	4.4
BY-2F	3.59	BY-8F	3.5
BY-2G	13.2	BY-8G	33.5
BY-2H	0.44	BY-8H	24.0
BY-2I	0.62	BY-8I	21.8
BY-2J	14,800	BY-8J	65.0
BY-3A	0.53	BY-10B	<0.1
BY-3B	21.3	BY-10C	<0.1
BY-3C	284.3	BY-10D	<0.1
BY-3D	84.6	BY-10E	<0.1
BY-3E	84.7	BY-10F	<0.1
BY-3F	5.4	BY-10G	<0.1
BY-3G	30.4	BY-10H	<0.1
BY-3H	53.3	BY-10I	<0.1
BY-3I	0.34	BY-10J	0.2
BY-3J	3.82	BY-11A	1.2
BY-4A	21.0	BY-11B	0.6
BY-4B	0.42	BY-11C	<0.1
BY-4C	24.0	BY-11D	2.0
BY-4D	18.0	BY-11E	<0.1
BY-4E	42.5	BY-11F	<0.1
BY-4F	38.6	BY-11G	<0.1
BY-4G	57.9	BY-11H	<0.1
BY-4H	10.4	BY-11I	<0.1
BY-4I	6.63	BY-11J	<0.1
BY-4J	12.7	BY-12A	13.5
BY-6A	<0.1	BY-14A	0.51
BY-6B	<0.1	BY-14B	0.25
BY-6D	<0.1	BY-14C	0.24
BY-6E	<0.1	BY-14D	0.16
BY-7A	<0.1	BY-14E	0.45
BY-7B	<0.1	BY-14F	3.36
BY-7C	1.2	BY-14G	27.4
BY-7D	<0.1	BY-14H	242
BY-7E	<0.1	BY-14I	203
BY-7F	<0.1	BY-14J	48.8
BY-7G	<0.1	BY-15A	30.0
BY-7H	5.3	BY-15B	7.4
BY-7I	<0.1	BY-15C	62.9
BY-7J	<0.1	BY-15D	86.7
		BY-15E	4.94
		BY-15F	19.5
		BY-15G	3.30
		BY-15H	10.3

NOTES:

SOILS SAMPLED 1984, from 0-1'

DATA PRESENTED IN "DATA SUMMARY", T. M. GATES, INC., SUBMITTED JULY 1987

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-21

1984 SOIL ANALYSIS
BONEYARD AREA

COMPOUND (ppm)	BY-1 COMPOSITE	BY-2 COMPOSITE	BY-3 COMPOSITE	BY-4 COMPOSITE	BY-5 COMPOSITE	BY-6 COMPOSITE	BY-7 COMPOSITE	BY-8 COMPOSITE
ORGANICS								
ANILINE	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.6
CRESOL	20.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
FORMALDEHYDE	9.5	20.1	9.9	11.3	3.2	<1.0	<5.0	7.0
FURFURAL	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
MEK	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
M-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
O-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHENOL	2.7	<1.0	12.8	11.8	<1.0	<0.1	<1.0	<1.0
P-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RESORCINOL	<21	<50	<21	<21	<21	<21	<21	<21
TOLUENE	0.2	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1
PCB	0.4	2,390	44	38	<0.1	<0.1	0.5	29

Site
Background
Range

ND
↓
3 → 4.4
ND
↓
0.1 → 0.9

METALS								
ARSENIC	11.9	10.3	7.6	6.7	10.4	13.2	16.1	19.5
BARIUM	96.8	81.4	97.8	99.7	75.8	64.5	48.1	133.2
CADMIUM	0.07	0.13	0.07	0.09	0.11	0.08	0.09	0.11
CHROMIUM	18.7	17.1	17.7	13.3	14.0	11.8	14.1	16.7
MERCURY	<0.1	<0.1	0.1	0.2	0.1	0.1	<0.1	0.1
LEAD	17.3	78.7	16.3	11.1	16.1	11.2	12.3	21.9
SELENIUM	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	0.3	1.1

6.5 - 18.7
65.6 - 150.4
0.06 - 0.16
10.9 - 17.8
0.1 - 0.1
9.6 - 56.8
0.2 - 0.4

COMPOUND (ppm)	BY-9 COMPOSITE	BY-10 COMPOSITE	BY-11 COMPOSITE	BY-12 COMPOSITE	BY-13 COMPOSITE	BY-14 COMPOSITE	BY-15 COMPOSITE
ORGANICS							
ANILINE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CRESOL	<2.0	<2.0	<2.0	<2.0	<2.0	5.8	<2.0
FORMALDEHYDE	<1.0	<1.0	<1.0	10.0	<1.0	15.9	19.6
FURFURAL	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
MEK	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
M-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
O-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHENOL	<1.0	<1.0	1.0	4.3	<1.0	71.3	19.1
P-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RESORCINOL	<21	<21	<21	<21	<21	<21	<21
TOLUENE	<0.1	<0.1	<0.1	0.2	<0.1	0.4	0.13
PCB	<0.1	<0.1	0.2	2.5	<0.1	66	39

Site Background
Range

METALS							
ARSENIC	14.2	16.3	17.4	14.0	15.5	8.5	13.8
BARIUM	57.0	60.4	65.6	63.3	63.1	366	90.0
CADMIUM	0.1	0.09	0.06	0.08	0.16	0.17	0.18
CHROMIUM	13.6	15.1	16.9	13.4	12.3	28.4	14.7
MERCURY	0.1	<0.1	0.1	<0.1	0.1	0.3	0.2
LEAD	9.5	16.5	12.7	14.8	29.7	25.6	14.7
SELENIUM	0.3	0.4	<0.2	<0.2	<0.2	<0.2	<0.2

SOURCE: "DATA SUMMARY", T. M. GATES, INC., SUBMITTED JULY 1987

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-22

1984 PCB SOIL ANALYSIS
RIVER LAGOON AREA

SAMPLE NO.	PCB (ppm)	SAMPLE NO.	PCB (ppm)
LAG-1A	<0.1	LAG-5B	1.2
LAG-1B	<0.1	LAG-5E	0.2
LAG-1C	0.3		
LAG-1D	0.1	LAG-6A	0.4
LAG-1E	0.2	LAG-6B	<0.1
LAG-1F	10.6	LAG-6C	<0.1
LAG-1G	0.8	LAG-6D	2.1
LAG-1H	2.9	LAG-6E	0.2
LAG-1I	0.6	LAG-6F	2.0
		LAG-6G	2.4
LAG-2A	3.2	LAG-6H	0.2
LAG-2B	6.3	LAG-6I	3.6
LAG-2C	0.4		
LAG-2D	1.4	LAG-8C	19.0
LAG-2E	6.5	LAG-8F	0.4
LAG-2F	5.6		
LAG-2G	6.8	LAG-9A	3.85
LAG-2H	7.8	LAG-9B	1.88
LAG-2I	0.5	LAG-9C	3.39
		LAG-9D	59.9
LAG-3A	0.8	LAG-9E	1.21
LAG-3B	3.5	LAG-9F	0.23
LAG-3C	2.2	LAG-9G	<0.2
LAG-3D	2.6	LAG-9H	<0.2
LAG-3E	6.1	LAG-9I	<0.2
LAG-3F	1.2		
LAG-3G	1.5	LAG-10A	2.4
LAG-3H	6.6	LAG-10B	3.2
LAG-3I	5.7	LAG-10C	1.0
		LAG-10D	2.8
LAG-4A	1.04	LAG-10E	24.8
LAG-4B	0.24	LAG-10F	0.8
LAG-4C	2.66	LAG-10G	<0.1
LAG-4D	3.47	LAG-10H	<0.1
LAG-4E	93.6	LAG-10I	<0.1
LAG-4F	9.8		
LAG-4G	7.28	LAG-11A	1.21
LAG-4H	2.51	LAG-11B	<0.2
LAG-4I	1.70	LAG-11C	1.30
		LAG-11D	1.39
		LAG-11E	0.29
		LAG-11F	3.54
		LAG-11G	55.0
		LAG-11H	0.80
		LAG-11I	0.46
		LAG-12A	0.5

NOTES: SOILS SAMPLED 1984, from 0-1'
DATA PRESENTED IN "DATA SUMMARY", T. M. GATES, INC.,
SUBMITTED JULY 1987

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-23

1984 SOIL ANALYSIS
RIVER LAGOON AREA

COMPOUND (ppm)	LAG-1 COMPOSITE	LAG-2 COMPOSITE	LAG-3 COMPOSITE	LAG-4 COMPOSITE	LAG-5 COMPOSITE	LAG-6 COMPOSITE
ORGANICS						
ANILINE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CRESOL	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0
FORMALDEHYDE	7.0	4.0	5.0	8.0	<1.0	<1.0
FURFURAL	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
MEK	<0.1	0.8	<0.1	<0.1	<0.1	0.9
M-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
O-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHENOL	<7.0	<7.0	<7.0	9.9	<7.0	<7.0
P-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RESORCINOL	<21	<21	<21	<21	<21	<21
TOLUENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB	2.5	3.0	2.4	9.3	0.4	1.2
METALS						
ARSENIC	7.8	6.9	7.0	6.2	6.6	6.6
BARIUM	71.4	78.1	68.7	64.4	65.6	70.1
CADMIUM	0.2	0.3	0.22	0.21	0.18	0.18
CHROMIUM	16.5	18.1	16.9	16.4	15.6	16.1
MERCURY	0.1	0.1	0.3	0.2	0.1	<0.1
LEAD	16.0	15.3	16.0	13.0	16.4	19.1
SELENIUM	0.9	0.8	0.7	0.7	0.5	0.4

COMPOUND (ppm)	LAG-7 COMPOSITE	LAG-8 COMPOSITE	LAG-9 COMPOSITE	LAG-10 COMPOSITE	LAG-11 COMPOSITE	LAG-12 COMPOSITE	LAG-13 COMPOSITE
ORGANICS							
ANILINE	<1.0	<1.0	<1.0	<1.0	2.0	1.0	<1.0
CRESOL	<6.0	<6.0	<6.0	<6.0	<6.0	<2.0	<2.0
FORMALDEHYDE	<1.0	<1.0	9.0	3.0	8.0	3.8	<1.0
FURFURAL	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
MEK	1.3	0.4	0.4	<0.1	0.3	0.2	<0.1
M-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
O-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHENOL	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0
P-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RESORCINOL	<21	<21	<21	<21	<21	<21	<21
TOLUENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB	0.1	<0.1	6	2.4	7.8	0.4	0.4
METALS							
ARSENIC	7.1	6.5	5.4	3.9	5.8	5.0	5.4
BARIUM	59.4	67.2	70.0	62.8	72.2	64.6	64.4
CADMIUM	0.29	0.31	0.13	0.07	0.18	0.31	0.4
CHROMIUM	14.3	13.2	12.6	10.3	12.0	11.3	12.5
MERCURY	<0.1	0.1	0.1	<0.1	0.1	0.1	0.1
LEAD	19.1	13.0	10.0	7.8	12.6	10.9	13.8
SELENIUM	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

SOURCE: "DATA SUMMARY", T. M. GATES INC., SUBMITTED JULY 1987

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-24

1981 SOILS ANALYSIS
PHENOL RECOVERY AREA

BASE NEUTRAL COMPOUNDS (ppm)	MW-3 (0-1.5')	MW-3 (5-6.5')	VOLATILE ORGANIC COMPOUNDS (ppm)	MW-3 (0-1.5')	MW-3 (5-6.5')
acenaphthene	<0.01	NA	acrolein	<0.01	<0.01
benzidine	<0.01	NA	acrylonitrile	<0.01	<0.01
1,2,4-trichlorobenzene	<0.01	NA	benzene	<0.01	<0.01
hexachlorobenzene	<0.01	NA	carbon tetrachloride	<0.01	<0.01
hexachloroethane	<0.01	NA	chlorobenzene	<0.01	<0.01
bis (2-chloroethyl) ether	<0.01	NA	1,1-dichloroethane	<0.01	<0.01
2-chloronaphthalene	<0.01	NA	1,2-dichloroethane	<0.01	<0.01
1,2-dichlorobenzene	<0.01	NA	1,1,1-trichloroethane	<0.01	<0.01
1,3-dichlorobenzene	<0.01	NA	1,1,2-trichloroethane	<0.01	<0.01
1,4-dichlorobenzene	<0.01	NA	1,1,2,2-tetrachloroethane	<0.01	<0.01
3,3'-dichlorobenzidine	<0.01	NA	chloroethane	<0.01	<0.01
2,4-dinitrotoluene	<0.01	NA	2-chloroethylvinyl ether	<0.01	<0.01
2,6-dinitrotoluene	<0.01	NA	chloroform	<0.01	<0.01
1,2-diphenylhydrazine	<0.01	NA	1,1-dichloroethylene	<0.01	<0.01
fluoranthene	<0.01	NA	1,2-trans-dichloroethylene	<0.01	<0.01
4-chlorophenyl phenyl ether	<0.01	NA	1,2-dichloropropane	<0.01	<0.01
4-bromophenyl phenyl ether	<0.01	NA	1,3-dichloropropane	<0.01	<0.01
bis (2-chloroisopropyl) ether	<0.01	NA	ethylbenzene	<0.01	<0.01
bis (2-chloroethoxy) methane	<0.01	NA	methylene chloride	<0.01	<0.01
hexachlorobutadiene	<0.01	NA	methyl chloride	<0.01	<0.01
hexachlorocyclopentadiene	<0.01	NA	methyl bromide	<0.01	<0.01
isophorone	<0.01	NA	bromoform	<0.01	<0.01
naphthalene	<0.01	NA	dichlorobromomethane	<0.01	<0.01
nitrobenzene	<0.01	NA	trichlorofluoromethane	<0.01	<0.01
N-nitrosodimethylamine	<0.01	NA	dichlorobromomethane	<0.01	<0.01
N-nitrosodiphenylamine	<0.01	NA	chlorodibromomethane	<0.01	<0.01
N-nitrosodi-n-propylamine	<0.01	NA	tetrachloroethylene	<0.01	<0.01
butyl benzyl phthalate	<0.01	NA	toluene	<0.01	<0.01
di-n-butyl phthalate	<0.01	NA	trichloroethylene	<0.01	<0.01
di-n-octyl phthalate	<0.01	NA	vinyl chloride	<0.01	0.02
diethyl phthalate	<0.01	NA	bis (chloromethyl) ether	<0.01	<0.01
dimethyl phthalate	<0.01	NA	TOTAL	BDL	0.02
benzo (a) anthracene	<0.01	NA	<u>PESTICIDES AND PCBs (ppm)</u>		
benzo (a) pyrene	<0.01	NA	TOTAL	BDL	NA
3,4-benzofluoranthene	<0.01	NA	<u>METALS AND CYANIDES (ppm)</u>		
benzo (k) fluoranthene	<0.01	NA	TOTAL	BDL	NA
chrysene	<0.01	NA	<u>ACID EXTRACTABLE COMPOUNDS (ppm)</u>		
acenaphthylene	<0.01	NA	TOTAL	BDL	NA
anthracene	<0.01	NA			
benzo (ghi) perylene	<0.01	NA			
fluorene	<0.01	NA			
phenanthrene	<0.01	NA			
dibenzo (a,h) anthracene	<0.01	NA			
ideno (1,2,3-cd) pyrene	<0.01	NA			
pyrene	<0.01	NA			
bis (2-ethylhexyl) phthalate	0.014	NA			
TOTAL	0.014				

NOTES:

BDL - Below Detection Limits

NA - Not Analyzed due to Broken Sample Bottle

SOILS SAMPLED 1981.

DATA PRESENTED IN "SUBSURFACE AND HYDROGEOLOGIC INVESTIGATIONS"

SUBTITLED "RECOMMENDED REMEDIAL AND CLOSURE PLAN."

SUBMITTED SEPTEMBER 1981, BY CONVERSE/TenEch.

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-25

1981 SOILS ANALYSIS
TRENCHES IN LAND APPLICATION AREA

ABBREVIATED ANALYSIS		PRIORITY POLLUTANT ANALYSIS				
COMPOUNDS (ppm)	SB-3 (15'-16.5')	SB-5 (15'-16.5')	SB-3 (10'-11.5')	SB-4 (5'-6.5')	SB-5 (10'-11.5')	SB-6 (5'-6.5')
ORGANICS						
aniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
cresol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
furfural	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
methanol	0.31	1.16	<0.01	<0.01	<0.01	<0.01
methyl ethyl ketone (MEK)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
phenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
toluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
xylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
epichlorohydrin	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(chlorinated propane)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
formaldehyde	155	<10	<0.01	<0.01	<0.01	<0.01
total organic carbon	580	18	<0.01	<0.01	<0.01	<0.01
phenolics	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
INORGANICS						
ammonia (as N)	0.32	3.11	<0.01	<0.01	<0.01	<0.01
sodium	1.3	2.7	<0.01	<0.01	<0.01	<0.01
sulfate	<10	<10	<0.01	<0.01	<0.01	<0.01
nitrate/nitrite (as N)	0.04	0.18	<0.01	<0.01	<0.01	<0.01
chloride	NA	12	<0.01	<0.01	<0.01	<0.01
METALS						
arsenic	0.027	<0.001	<0.01	<0.01	<0.01	<0.01
barium	0.399	<0.001	<0.01	<0.01	<0.01	<0.01
cadmium	0.00127	<0.001	<0.01	<0.01	<0.01	<0.01
chromium	0.0065	<0.001	<0.01	<0.01	<0.01	<0.01
fluoride	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01
lead	0.0023	<0.001	<0.01	<0.01	<0.01	<0.01
mercury	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
silver	0.026	<0.001	<0.01	<0.01	<0.01	<0.01
zinc	<0.001	0.0019	<0.01	<0.01	<0.01	<0.01
iron	9.686	1.023	<0.01	<0.01	<0.01	<0.01
manganese	8.899	0.09	<0.01	<0.01	<0.01	<0.01
BASE NEUTRAL COMPOUNDS (ppm)						
acetophenone	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
benzidine	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,4-trichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
hexachlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
hexachlorocyclopentadiene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
bis (2-chloroethyl) ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-chloronaphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,4-dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3,3'-dichlorobenzidine	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,6-dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-diphenylhydrazine	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-chlorophenyl phenyl ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-bromophenyl phenyl ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
bis (2-chloroisopropyl) ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
bis (2-chloroisobutyl) methane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
hexachlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
hexachlorocyclopentadiene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
isophorone	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
naphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
nitrobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N-nitrosodimethylamine	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N-nitrosodiphenylamine	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N-nitrosod-n-propylamine	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
butyl benzyl phthalate	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
di-n-butyl phthalate	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
di-n-octyl phthalate	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
dimethyl phthalate	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
benzo (a) anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
benzo (a) pyrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3,4-benzofluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
benzo (k) fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
chrysene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
acetylphenylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
benzo (ghi) perylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
fluorene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
phenanthrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
benzo (a,h) anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
benzo (1,2,3-cd) pyrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pyrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
bis (2-ethylhexyl) phthalate	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TOTAL	0.012	0.012	0.012	0.012	0.042	0.032
ACID EXTRACTABLE ORGANICS (ppm)						
TOTAL	BDL	BDL	BDL	BDL	BDL	BDL
PESTICIDES AND PCBs (ppm)						
TOTAL	BDL	BDL	BDL	BDL	BDL	BDL

NOTES:
BDL - Below Detection Limit
NA - Not Analyzed
SOILS SAMPLED 1981.
DATA PRESENTED IN "SUBSURFACE AND HYDROGEOLOGIC INVESTIGATIONS"
SUBMITTED "RECOMMENDED REMEDIAL AND CLOSURE PLAN."
SUBMITTED SEPTEMBER 1981, BY CONVERSE/TenTech.

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-26

1984 SOIL ANALYSIS
TRENCHES IN LAND APPLICATION AREA

COMPOUND (ppm)	CS-1	CS-2	CS-3	CS-4	CS-5	CS-6
<u>ORGANICS</u>						
ANILINE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CRESOL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
FORMALDEHYDE	<1.0	27.2	<4.0	<1.0	<1.0	16.1
FURFURAL	<7	<7	<7	<7	<7	<7
MEK	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
M-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
O-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PHENOL	<1.0	<10.0	<1.0	<1.0	<1.0	<1.0
P-XYLENE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RESORCINOL	<21	<50	<21	<21	<21	<21
TOLUENE	<0.1	0.0002	<0.1	<0.1	<0.1	<0.1
PCB	0.2	16.0	0.4	<0.1	<0.1	0.7
<u>METALS</u>						
ARSENIC	10.9	16.4	11.5	13.4	14.0	7.6
BARIUM	77.7	155.7	90.2	63.3	83.9	90.0
CADMIUM	0.07	0.13	0.12	0.06	0.12	0.09
CHROMIUM	16.5	18.4	16.5	15.8	14.2	13.0
MERCURY	0.1	0.3	0.1	<0.1	<0.1	0.1
LEAD	14.2	14.4	15.7	11.7	16.2	13.2
SELENIUM	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

SOURCE: "DATA SUMMARY", T. M. GATES, INC., SUBMITTED, JULY 1987

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-27
1981, 1991 BONEYARD PCB CONCENTRATIONS

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
		SB-2A	SB-2B	SB-2C	SB-2D	SB-2E	SB-2F	SB-2G	SB-2H	SB-2I	SB-2J
S-1	0-1'	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')
S-2	1-2'										
S-3	2-3'										
S-4	3-4'										
S-5	4-5'										
S-6	5-6'										
S-7	6-7'										
S-8	7-8'										
S-9	8-9'										
S-10	9-10'										

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
		SB-3A	SB-3B	SB-3C	SB-3D	SB-3E	SB-3F	SB-3G	SB-3H	SB-3I	SB-3J
S-1	0-1'	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')
S-2	1-2'										
S-3	2-3'										
S-4	3-4'										
S-5	4-5'										
S-6	5-6'										
S-7	6-7'										
S-8	7-8'										
S-9	8-9'										
S-10	9-10'										

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
		SB-4A	SB-4B	SB-4C	SB-4D	SB-4E	SB-4F	SB-4G	SB-4H	SB-4I	SB-4J
S-1	0-1'	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')	BORDEN SLES (0.1')
S-2	1-2'										
S-3	2-3'										
S-4	3-4'										
S-5	4-5'										
S-6	5-6'										
S-7	6-7'										
S-8	7-8'										
S-9	8-9'										
S-10	9-10'										

NOTE: () GC ANALYSIS FROM 1981.
SAMPLE LOCATIONS SHOWN ON FIGURE 4-8.
DEPTH TO < 1 PPM PCBs.
SUBSURFACE AREA EXCEEDING 1 PPM PCBs.

SLES - Savannah Labs
Borden - Borden Lab

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-27 (CONTINUED)
1981, 1991 BONEYARD PCB CONCENTRATIONS

		SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
SAMPLE	DEPTH	SB-4E		SB-4F		SB-4G		SB-4H		SB-4I	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	(42.5')		(38.6')		(57.9')		(10.4')		(6.63')	
S-2	1-2'	50.7	7	122	23			<0.1		2.5	
S-3	2-3'			47.5	2.8					<0.1	
S-4	3-4'										
S-5	4-5'	<0.1		0.9							
S-6	5-6'										
S-7	6-7'					13.3					
S-8	7-8'					8.7		<0.1		<0.686	
S-9	8-9'					1.1					
S-10	9-10'										

		SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
SAMPLE	DEPTH	SB-6D		SB-6E		SB-7A		SB-7B		SB-7C	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	(42.5')		(38.6')		(0.1')		(0.1')		(1.2')	
S-2	1-2'										
S-3	2-3'										
S-4	3-4'										
S-5	4-5'										
S-6	5-6'										
S-7	6-7'										
S-8	7-8'										
S-9	8-9'										
S-10	9-10'										

		SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
SAMPLE	DEPTH	SB-7G		SB-7H		SB-7J		SB-8A		SB-8B	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	(42.5')		(38.6')		(42.5')		(2.4')		(26')	
S-2	1-2'										
S-3	2-3'										
S-4	3-4'										
S-5	4-5'										
S-6	5-6'										
S-7	6-7'										
S-8	7-8'										
S-9	8-9'										
S-10	9-10'										

NOTE: () GC ANALYSIS FROM 1981
SAMPLE LOCATIONS SHOWN ON FIGURE 4-8.
DEPTH TO < 1 PPM PCBs.
SUBSURFACE AREA EXCEEDING 1 PPM PCBs.

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-27 (CONTINUED)

1987, 1991 BONEYARD PCB CONCENTRATIONS

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)				SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)				SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)				SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)			
		SB-8F	SB-8G	SB-8H	SB-8I	SB-8J	SB-8K	SB-8L	SB-8M	SB-8N	SB-8O	SB-8P	SB-8Q	SB-8R	SB-8S	SB-8T	SB-8U
S-1	0-1'	BORDEN (3.5')	BORDEN (33.5')	BORDEN (24') 6.7	BORDEN (21.8') 12.5	BORDEN (65') 44.9	BORDEN (18.5)	BORDEN (0.1)	BORDEN (0.1)	BORDEN (0.1)	BORDEN (0.1)	BORDEN (0.1)	BORDEN (0.1)	BORDEN (0.1)	BORDEN (0.1)	BORDEN (0.1)	BORDEN (0.1)
S-2	1-2'	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1	SLES <0.1
S-3	2-3'																
S-4	3-4'																
S-5	4-5'																
S-6	5-6'																
S-7	6-7'																
S-8	7-8'																
S-9	8-9'																
S-10	9-10'																

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)				SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)				SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)				SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)			
		SB-10E	SB-10F	SB-10G	SB-10H	SB-10I	SB-10J	SB-10K	SB-10L	SB-10M	SB-10N	SB-10O	SB-10P	SB-10Q	SB-10R	SB-10S	SB-10T
S-1	0-1'	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')
S-2	1-2'																
S-3	2-3'																
S-4	3-4'																
S-5	4-5'																
S-6	5-6'																
S-7	6-7'																
S-8	7-8'																
S-9	8-9'																
S-10	9-10'																

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)				SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)				SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)				SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)			
		SB-11C	SB-11D	SB-11E	SB-11F	SB-11G	SB-11H	SB-11I	SB-11J	SB-11K	SB-11L	SB-11M	SB-11N	SB-11O	SB-11P	SB-11Q	SB-11R
S-1	0-1'	BORDEN (0.1')	BORDEN (2')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')	BORDEN (0.1')
S-2	1-2'																
S-3	2-3'																
S-4	3-4'																
S-5	4-5'																
S-6	5-6'																
S-7	6-7'																
S-8	7-8'																
S-9	8-9'																
S-10	9-10'																

NOTE:

() GC ANALYSIS FROM 1987

SAMPLE LOCATIONS SHOWN ON FIGURE 4-8.

DEPTH TO < 1 PPM PCBs.

SUBSURFACE AREA EXCEEDING 1 PPM PCBs.

BORDEN, INC. - BAINBRIDGE, NEW YORK
 TABLE 4-27 (CONTINUED)
 1987, 1991 BONEYARD PCB CONCENTRATIONS

SAMPLE	DEPTH	SB-12A		SB-12B		SB-14A		SB-14B		SB-14C		SB-14D		SB-14E		SB-14F	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	(13.5')		0.5		(0.51')		(0.25')		(0.24')		(0.18')	0.15	(0.45')	1.2	(3.36')	0.4
S-2	1-2'	10.9												7.9		0.1	
S-3	2-3'	1.31												<0.1			
S-4	3-4'																
S-5	4-5'																
S-6	5-6'																
S-7	6-7'																
S-8	7-8'																
S-9	8-9'																
S-10	9-10'																

SAMPLE	DEPTH	SB-14G		SB-14H		SB-14I		SB-14J		SB-15A		SB-15B		SB-15C		SB-15D	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	(27.4')		(242')		(203')		(48.8')		(30')		(7.4')	10.6	(62.9')		(86.7')	
S-2	1-2'	4.8						0.2		8.1				36.1			
S-3	2-3'	1.3								<0.1				<0.1			
S-4	3-4'	0.2								<0.1							
S-5	4-5'																
S-6	5-6'									<0.1						709.5	21
S-7	6-7'															21.7	
S-8	7-8'																
S-9	8-9'															74.0	2.8
S-10	9-10'													0.1			

SAMPLE	DEPTH	SB-15E		SB-15F		SB-15G		SB-15H		SB-16A		SB-16B		SB-16C		SB-16D	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	(4.94')	38.4	(19.5')		(3.30')		(10.3')		50.1		92.1	21	24.2		19.8	40
S-2	1-2'	116.5	200			5.1		11.3									
S-3	2-3'																
S-4	3-4'																
S-5	4-5'	140															
S-6	5-6'																
S-7	6-7'																
S-8	7-8'																
S-9	8-9'																
S-10	9-10'																

NOTE: () GC ANALYSIS FROM 1987
 SAMPLE LOCATIONS SHOWN ON FIGURE 4-8.
 DEPTH TO <1 PPM PCBs.
 SUBSURFACE AREA EXCEEDING 1 PPM PCBs.

SLES - Savannah Labs
 Borden - Borden Labs

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-27
1987, 1991 BONEYARD PCB CONCENTRATIONS

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
		SB-16E		SB-17A		SB-17B		SB-17C		SB-17D	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	1.8		0.8		3.3		3.1		11.6	
S-2	1-2'	<0.1				82.7		<0.1		21.1	
S-3	2-3'					67.8				18.3	
S-4	3-4'									5.1	
S-5	4-5'										
S-6	5-6'										
S-7	6-7'										
S-8	7-8'										
S-9	8-9'										
S-10	9-10'	<0.1									

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
		SB-17H		SB-17I		SB-17J		SB-18H		SB-17G	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	1.1		0.5		0.1		0.1		15.8	
S-2	1-2'									36.9	
S-3	2-3'									<0.1	
S-4	3-4'										
S-5	4-5'										
S-6	5-6'										
S-7	6-7'										
S-8	7-8'										
S-9	8-9'										
S-10	9-10'	<0.1		<0.1		<0.1		<0.1		<0.1	

NOTE: () GC ANALYSIS FROM 1987.
SAMPLE LOCATIONS SHOWN ON FIGURE 4-8.
DEPTH TO <1 PPM PCBs.
SUBSURFACE AREA EXCEEDING 1 PPM PCBs.

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-28
COMPLETE SOIL ANALYSIS - BONEYARD*

SOIL BORING	SB-2D S-10	SB-3H S-5	SB-4E S-3	SB-8J S-1	SB-8J S-3	SB-15A S-2	SB-15D S-5	SB-15E S-2	SB-15E S-10	SB-16B S-1
VOLATILE ORGANIC COMPOUNDS (ppm)										
BENZENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
BENZYL CHLORIDE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
BROMOBENZENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
BROMOCHLOROMETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
BROMOFORM	<0.027	<0.025	<0.03	<0.033	<0.028	<0.028	<0.039	<0.027	<0.029	<0.027
BROMOMETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
CARBON TETRACHLORIDE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
CHLOROBENZENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
CHLOROETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
CHLOROFORM	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1-CHLOROHXANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
2-CHLOROETHYL VINYL ETHER	<0.054	<0.05	<0.08	<0.088	<0.058	<0.055	<0.077	<0.053	<0.058	<0.053
CHLOROMETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
CHLOROTOLUENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
DBROMOCHLOROMETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
DBROMOMETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,2-DICHLOROBENZENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,3-DICHLOROBENZENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,4-DICHLOROBENZENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
DICHLORODIFLUOROMETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,1-DICHLOROETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,2-DICHLOROETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,1-DICHLOROETHENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,2-DICHLOROETHENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
DICHLOROMETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,2-DICHLOROPROPANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,3-DICHLOROPROPENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
ETHYLBENZENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	15	5.7	0.88	<0.0053
1,1,2,2-TETRACHLOROETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,1,1,2-TETRACHLOROETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
TETRACHLOROETHENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
TOLUENE	<0.0054	<0.005	<0.008	0.0097	<0.0058	<0.0055	0.051	0.24	0.035	<0.0053
1,1,1-TRICHLOROETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,1,2-TRICHLOROETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
TRICHLOROETHENE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
TRICHLORODIFLUOROMETHANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
1,2,3-TRICHLOROPROPANE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
VINYL CHLORIDE	<0.0054	<0.005	<0.008	<0.0088	<0.0058	<0.0055	<0.0077	<0.0053	<0.0058	<0.0053
XYLENES	<0.0054	<0.005	<0.008	0.021	0.014	<0.0055	0.029	0.048	0.008	<0.0053
2-BUTANONE (MEK)	<0.054	<0.05	<0.08	<0.088	<0.058	<0.0055	<0.07	0.21	0.25	<0.053
TOTAL VOCs (ppm)	ND	ND	ND	0.0307	0.014	ND	15.08	6.198	0.377	ND
PHENOLS (ppm)										
4-CHLORO-3-METHYLPHENOL	<0.27	<0.23	<2.4	<2.6	<0.24	<0.24	<30	<22	<2.5	<2.2
2-CHLOROPHENOL	<0.27	<0.23	<2.4	<2.6	<0.24	<0.24	<30	<22	<2.5	<2.2
2,4-DICHLOROPHENOL	<0.27	<0.23	<2.4	<2.6	<0.24	<0.24	<30	<22	<2.5	<2.2
2,4-DIMETHYLPHENOL	<0.27	<0.23	<2.4	<2.6	<0.24	<0.24	<30	<22	<2.5	<2.2
2,4-DINITROPHENOL	<1.4	<1.2	<12	<13	<1.2	<1.2	<150	<110	<13	<11
2-METHYL-4,6-DINITROPHENOL	<1.4	<1.2	<12	<13	<1.2	<1.2	<150	<110	<13	<11
2-NITROPHENOL	<0.27	<0.23	<2.4	<2.6	<0.24	<0.24	<30	<22	<2.5	<2.2
4-NITROPHENOL	<1.4	<1.2	<12	<13	<1.2	<1.2	<150	<110	<13	<11
PENTACHLOROPHENOL	<1.4	<1.2	<12	<13	<1.2	<1.2	<150	<110	<13	<11
PHENOL	<0.27	<0.23	<2.4	5.4	<0.24	<0.24	490	730	21	32
2,4,6-TRICHLOROPHENOL	<0.27	<0.23	<2.4	<2.6	<0.24	<0.24	<30	<22	<2.5	<2.2
TOTAL PHENOLS (ppm)	ND	ND	ND	5.4	ND	ND	490	730	21	32
RESORCINOL (ppm)										
RESORCINOL (ppm)	<0.9	<0.77	<7.8	<0.85	<0.77	<0.79	<9.9	<0.74	<0.83	<0.75
ANILINE (ppm)	<0.27	<0.23	<2.4	<2.6	<0.24	<0.24	<3	<2.2	<2.5	<2.2
FURFURAL (ppm)	<1.4	<1.2	<12	<13	<1.2	<1.2	<15	<11	<10	<11
FORMALDEHYDE (ppm)	3	0.13	0.13	<0.080	0.098	0.1	12	11	6.3	0.87
PCBs (ppm)										
AROCLOR-1018	<0.11	<0.092	<1.9	<1.02	<0.094	<0.094	<1.8	<1.8	<0.2	<2.7
AROCLOR-1221	<0.11	<0.092	<1.9	<1.02	<0.094	<0.094	<1.8	<1.8	<0.2	<2.7
AROCLOR-1232	<0.11	<0.092	<1.9	<1.02	<0.094	<0.094	<1.8	<1.8	<0.2	<2.7
AROCLOR-1242	<0.11	<0.092	7	8.6	<0.094	<0.094	21	200	1	21
AROCLOR-1248	<0.11	<0.092	<1.9	<1.02	<0.094	<0.094	<1.8	<1.8	<0.2	<2.7
AROCLOR-1254	<0.11	<0.092	<1.9	<1.02	<0.094	<0.094	<1.8	<1.8	<0.2	<2.7
AROCLOR-1260	<0.11	<0.092	<1.9	<1.02	<0.094	<0.094	<1.8	<1.8	<0.2	<2.7
TOTAL PCBs (ppm)	ND	ND	7	6.6	ND	ND	21	200	1	21
METALS (ppm)										
ARSENIC	7.9	5.5	15	9.8	2.7	7.3	6.2	4.3	9.4	11
BARIUM	43	29	140	76	50	35	4300	160	66	65
CADMIUM	<0.50	<0.50	0.78	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CHROMIUM	16	14	<0.50	16	15	12	16	14	14	19
LEAD	6	7.1	79	22	15	9.8	26	19	8.7	21
MERCURY	0.018	0.016	0.092	0.091	0.0084	0.022	0.039	0.053	0.025	0.046
SELENIUM	0.071	<0.050	0.38	0.33	<0.050	0.14	0.13	0.15	<0.050	0.12

NOTES: N A NOT ANALYZED
ND NOT DETECTED
BOLD COMPOUND DETECTED (EXCEPT METALS)
* ALL SAMPLES WERE ANALYZED BY SLES

at at based upon inconsistencies between split sample results, concn estimates should be considered estimates.

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-29

1987, 1991 RIVER LAGOON PCB CONCENTRATIONS (PPM)

SAMPLE	DEPTH	SB-1A	SB-1B	SB-1C	SB-1D	SB-1E	SB-1F	SB-1G	SB-1H
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	(0.1')	(0.1')	(0.3')	(0.1')	(0.2')	(10.6')	(0.8')	(2.9')
S-2	1-2'	<0.1	<0.1	<0.1	0.4		<0.1	<0.1	
S-3	2-3'								
S-4	3-4'								
S-5	4-5'								
S-6	5-6'								
S-7	6-7'								
S-8	7-8'								
S-9	8-9'								
S-10	9-10'								

OK

SAMPLE	DEPTH	SB-1I	SB-2A	SB-2B	SB-2C	SB-2D	SB-2E	SB-2F	SB-2G
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	(0.6')	(3.2')	(6.3')	(0.4')	(1.4')	(6.5')	(56')	(6.8')
S-2	1-2'	0.1	30	6.3		2.6			<0.1
S-3	2-3'		0.16	<0.1		0.8		0.52	
S-4	3-4'		<0.7				240	<0.1	
S-5	4-5'						200	<0.1	
S-6	5-6'								
S-7	6-7'						4.8		
S-8	7-8'						<0.1		
S-9	8-9'								
S-10	9-10'								

SAMPLE	DEPTH	SB-2H	SB-2I	SB-3A	SB-3B	SB-3C	SB-3D	SB-3E	SB-3F
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	(7.8')	(0.5')	(0.8')	(3.5')	(2.2')	(2.6')	(6.1')	(1.2')
S-2	1-2'	86.7	<0.1						
S-3	2-3'	99					77.4	200	72.3
S-4	3-4'	<7.28			48				
S-5	4-5'	<0.1			0.2		<0.1	20.8	<0.1
S-6	5-6'							17	
S-7	6-7'							<0.1	
S-8	7-8'							<0.77	
S-9	8-9'								
S-10	9-10'								

NOTES: () ANALYZED IN 1987/1991

SAMPLE LOCATIONS SHOWN ON FIGURE 4-10.

DEPTH TO <1 PPM PCBs

□ SUBSURFACE AREA EXCEEDING 1 PPM PCBs

* BORDEN LABS ALSO REPORTED <0.1 AT THIS DEPTH

Borden - Borden Labs
5153 - S. ... h lab

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-29 (CONTINUED)

1984, 1991 RIVER LAGOON PCB CONCENTRATIONS (PPM)

SAMPLE	DEPTH	SB-3G	SB-3H	SB-3I	SB-4A	SB-4B	SB-4C	SB-4D	SB-4E
S-1	0-1'	BORDEN (1.5')	BORDEN (6.6') 114	BORDEN (5.7')	BORDEN (1.04')	BORDEN (0.24')	BORDEN (2.66')	BORDEN (3.47')	BORDEN (93.6')
S-2	1-2'	SLES 3.4	SLES 36.9	SLES 2	SLES (1.04')	SLES (0.24')	SLES (2.66')	SLES (3.47')	SLES (93.6')
S-3	2-3'	570	<0.1	3.2			<0.1	0.9	<0.7
S-4	3-4'								
S-5	4-5'	8.2		17.2			457	132	0.8
S-6	5-6'	0.6		1.4					
S-7	6-7'	<0.1		<0.1		0.2	<5.6	<1.19	<1.61
S-8	7-8'						0.1	0.1	<0.1
S-9	8-9'								
S-10	9-10'								<1.19

SAMPLE	DEPTH	SB-4F	SB-4G	SB-4H	SB-4I	SB-5B	SB-5E	SB-6A	SB-6B
S-1	0-1'	BORDEN (9.8')	BORDEN (7.28')	BORDEN (2.51')	BORDEN (1.7') 2	BORDEN (1.2') 0.8	BORDEN (0.2')	BORDEN (0.4')	BORDEN (0.1')
S-2	1-2'		74		2.7				
S-3	2-3'		<0.1		0.4	0.5	<0.1		
S-4	3-4'		64	59		<0.1			
S-5	4-5'	<0.1	<1.12			<0.1	45		
S-6	5-6'		2.3				<0.1		
S-7	6-7'		<0.1			<0.7	<0.1		
S-8	7-8'			<1.19		<0.1	<0.1		
S-9	8-9'	<0.1		<0.1		<0.1			
S-10	9-10'			<6.02					

SAMPLE	DEPTH	SB-6C	SB-6D	SB-6E	SB-6F	SB-6G	SB-6H	SB-6I	SB-7B
S-1	0-1'	BORDEN (0.1')	BORDEN (2.1')	BORDEN (0.2')	BORDEN (2.0')	BORDEN (2.4')	BORDEN (0.2')	BORDEN (3.6')	BORDEN (0.7)
S-2	1-2'								
S-3	2-3'								
S-4	3-4'								
S-5	4-5'								
S-6	5-6'								
S-7	6-7'								
S-8	7-8'								
S-9	8-9'								
S-10	9-10'								<7.7

NOTES: () ANALYZED IN 1984
SAMPLE LOCATIONS SHOWN ON FIGURE 4-10.

DEPTH TO <1 PPM PCBs

□ SUBSURFACE AREA EXCEEDING 1 PPM PCBs

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-29 (CONTINUED)

1984, 1991 RIVER LAGOON PCB CONCENTRATIONS (PPM)

SAMPLE	DEPTH	SB-7C	SB-8A	SB-8B	SB-8C	SB-8F	SB-9A	SB-9B	SB-9C
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	<0.1	<0.1	0.2	(19')	(0.4)	(3.85')	(1.88')	(3.39')
S-2	1-2'	<0.77	<0.686	<0.1	<0.1	<0.1	<0.1	1	0.7
S-3	2-3'							61	
S-4	3-4'								
S-5	4-5'		<0.1				0.2	0.1	
S-6	5-6'						<0.1	<0.1	
S-7	6-7'								
S-8	7-8'				<0.1				<0.1
S-9	8-9'								
S-10	9-10'								

SAMPLE	DEPTH	SB-9D	SB-9E	SB-9F	SB-9G	SB-9H	SB-9I	SB-10A	SB-10B
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	(59.9')	(1.21')	(0.23')	(0.2')	(0.2')	(0.2')	(2.4')	(3.2')
S-2	1-2'	<0.1	1.5	<0.1	<0.1	<0.1	<0.77	<0.1	5.4
S-3	2-3'	<0.1	0.5						<0.1
S-4	3-4'	<0.1							
S-5	4-5'	<0.1							
S-6	5-6'								
S-7	6-7'								
S-8	7-8'		<0.1						
S-9	8-9'								
S-10	9-10'								

SAMPLE	DEPTH	SB-10C	SB-10D	SB-10E	SB-10F	SB-10G	SB-10H	SB-10I	SB-11A
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	(1.0')	(2.8')	(24.8')	(0.8')	(0.1')	(0.1')	(0.1')	(1.21')
S-2	1-2'		232.6	<0.1	0.5	<0.1			
S-3	2-3'			<0.1					
S-4	3-4'			<0.1					
S-5	4-5'		1.3						
S-6	5-6'		31.7						
S-7	6-7'		8.4						
S-8	7-8'		0.7						
S-9	8-9'								
S-10	9-10'			<0.77					

NOTES: () ANALYZED IN 1984

SAMPLE LOCATIONS SHOWN ON FIGURE 4-10.

DEPTH TO <1 PPM PCBs

SUBSURFACE AREA EXCEEDING 1 PPM PCBs

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-29 (CONTINUED)

1987, 1991 RIVER LAGOON PCB CONCENTRATIONS (PPM)

SAMPLE	DEPTH	SB-11B	SB-11C	SB-11D	SB-11E	SB-11F	SB-11G	SB-11H
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	(0.46') <0.1	(1.30') <0.1	(1.39') <0.1	(0.28') <0.1	(3.54') 2.3	(55.0') <0.1	(0.80') <0.1
S-2	1-2'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-3	2-3'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-4	3-4'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-5	4-5'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-6	5-6'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-7	6-7'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-8	7-8'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-9	8-9'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-10	9-10'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

SAMPLE	DEPTH	SB-11I	SB-12A	SB-13A	SB-1	SB-2	MW-26
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	(0.46') <0.1	(0.5') <0.1	<0.1	1.1	0.8	<0.1
S-2	1-2'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-3	2-3'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-4	3-4'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-5	4-5'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-6	5-6'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-7	6-7'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-8	7-8'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-9	8-9'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-10	9-10'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-11	10-11'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-12	11-12'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-13	12-13'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-14	13-14'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-15	14-15'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-16	15-16'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-17	16-17'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-18	17-18'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-19	18-19'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-20	19-20'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

NOTES: () ANALYZED IN 1987/4
SAMPLE LOCATIONS SHOWN ON FIGURE 4-10.
DEPTH TO <1 PPM PCBs
SUBSURFACE AREA EXCEEDING 1 PPM PCBs

note: SLES -
Borden -

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-30
COMPLETE SOIL ANALYSIS - RIVER LAGOON

SOIL BORING	SB-2A S-3	SB-2A S-4	SB-2C S-10	SB-2H S-2	SB-2H S-3	SB-3 S-7	SB-8B S-1	SB-9 S-9	SB-10D S-7
LABORATORY ANALYZING DATA	SLES	SLES	SLES	BORDEN SLES	BORDEN SLES	SLES	SLES	SLES	SLES
VOLATILE ORGANIC COMPOUNDS (ppm)									
BENZENE	<0.0065	<0.006	<0.007	<0.005	<0.0072	<0.005	<0.0062	<0.0066	<0.011
BENZYL CHLORIDE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
BROMOBENZENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
BROMODICHLOROMETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
BROMOFORM	<0.033	<0.03	<0.035	NA	<0.036	NA	<0.031	<0.033	<0.055
BROMOMETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
CARBON TETRACHLORIDE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
CHLOROBENZENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	0.049
CHLOROETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
CHLOROFORM	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1-CHLOROHEXANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
2-CHLOROETHYL VINYL ETHER	<0.065	<0.06	<0.07	NA	<0.072	NA	<0.062	<0.066	<0.11
CHLOROMETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
CHLOROTOLUENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
DIBROMOCHLOROMETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
DIBROMOMETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,2-DICHLOROBENZENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	0.023
1,3-DICHLOROBENZENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	0.043
1,4-DICHLOROBENZENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	0.1
DICHLORODIFLUOROMETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,1-DICHLOROETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,2-DICHLOROETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,1-DICHLOROETHENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,2-DICHLOROETHENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
DICHLOROMETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,2-DICHLOROPROPANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,3-DICHLOROPROPENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
ETHYLBENZENE	<0.0065	<0.006	<0.007	<0.005	<0.0072	<0.005	<0.0062	<0.0066	0.067
1,1,2,2-TETRACHLOROETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,1,1,2-TETRACHLOROETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
TETRACHLOROETHENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
TOLUENE	<0.0065	<0.006	<0.007	0.0131	0.011	<0.005	<0.0062	<0.0066	0.16
1,1,1-TRICHLOROETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,1,2-TRICHLOROETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
TRICHLOROETHENE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
TRICHLOROFUOROMETHANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
1,2,3-TRICHLOROPROPANE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
VINYL CHLORIDE	<0.0065	<0.006	<0.007	NA	<0.0072	NA	<0.0062	<0.0066	<0.011
XYLENES	<0.0065	<0.006	<0.007	<0.005	0.012	<0.005	<0.0062	<0.0066	0.31
2-BUTANONE (MEK)	<0.065	<0.060	<0.07	<0.025	<0.072	<0.025	<0.062	<0.066	0.23
TOTAL (ppm)	ND	ND	ND	0.0131	0.023	ND	ND	ND	0.972
PHENOLS (ppm)									
4-CHLORO-3-METHYLPHENOL	<0.25	<0.25	<0.29	<0.4	<2.8	<0.4	<0.26	<0.26	<4.2
2-CHLOROPHENOL	<0.25	<0.25	<0.29	<0.5	<2.8	<0.5	<0.26	<0.26	<4.2
2,4-DICHLOROPHENOL	<0.25	<0.25	<0.29	<0.5	<2.8	<0.5	<0.26	<0.26	<4.2
2,4-DIMETHYLPHENOL	<0.25	<0.25	<0.29	<0.8	<2.8	<0.8	<0.26	<0.26	<4.2
2,4-DINITROPHENOL	<1.2	<1.2	<1.5	<2.6	<14	<2.6	<1.3	<1.4	<2.1
2-METHYL-4,6-DINITROPHENOL	<1.2	<1.2	<1.5	<1.9	<14	<1.9	<1.3	<1.4	<2.1
2-NITROPHENOL	<0.25	<0.25	<0.29	<0.5	<2.8	<0.5	<0.26	<0.26	<4.2
4-NITROPHENOL	<1.2	<1.2	<1.5	<4.2	<14	<4.2	<1.3	<1.4	<2.1
PENTACHLOROPHENOL	<1.2	<1.2	<1.5	<1.8	<14	<1.8	<1.3	<1.4	<2.1
PHENOL	<0.25	<0.25	<0.29	1.2	3.9	1.2	<0.26	<0.26	5.9
2,4,6-TRICHLOROPHENOL	<0.25	<0.25	<0.29	<0.1	<2.8	<0.1	<0.26	<0.26	<4.2
TOTAL PHENOLICS (ppm)	ND	ND	ND	1.2	3.9	1.2	ND	ND	5.9
RESORCINAL (ppm)									
RESORCINAL	<0.84	<0.84	<0.97	<1	<0.92	<1	<0.86	<0.93	<1.4
ANILINE	<0.25	<0.25	<0.29	<0.7	<2.8	<0.7	<0.26	<0.26	<4.2
FURFURAL	<1.2	<1.2	<1.5	<0.7	<2.8	<0.7	<1.3	<1.4	<2.1
FORMALDEHYDE	0.56	4.6	3.9	3.8	9.5	2.8	3.9	3.3	4.6
CRESOL	NA	NA	NA	<0.6	NA	<0.6	NA	NA	NA
PCBs (ppm)									
AROCLOR-1016	<0.1	<0.1	<5.8		<3.3		<1.04	<0.56	<3.3
AROCLOR-1221	<0.1	<0.1	<5.8		<3.3		<1.04	<0.56	<3.3
AROCLOR-1232	<0.1	<0.1	<5.8		<3.3		<1.04	<0.56	<3.3
AROCLOR-1242	<0.1	<0.1	8.8		16		<1.04	<0.56	8.4
AROCLOR-1248	0.16	<0.1	<5.8		<3.3		<1.04	<0.56	<3.3
AROCLOR-1254	<0.1	<0.1	<5.8		<3.3		<1.04	<0.56	<3.3
AROCLOR-1260	<0.1	<0.1	<5.8		<3.3		<1.04	<0.56	<3.3
TOTAL PCBs	0.16	ND	6.8	88.7	15	9.9	ND	ND	8.4
METALS (ppm)									
ARSENIC	9.1	6.2	1.9	<10	8.1	<10	4.4	4.1	8.8
BARIUM	74	80	49	87.2	100	56.2	88	53	110
CADMIUM	<0.50	<0.50	<0.50	3.1	<0.50	2.8	<0.50	<0.50	0.91
CHROMIUM	16	14	13	12.1	21	10.1	16	14	24
LEAD	17	7.7	5.9	23.8	32	18.5	14	9.2	34
MERCURY	0.074	0.022	0.014	0.5	0.27	<0.2	0.04	0.024	0.14
SELENIUM	0.18	0.072	0.068	0.6	0.23	0.4	0.16	0.072	0.24

NOTES: N A NOT ANALYZED

ND NOT DETECTED

BOLD COMPOUND DETECTED (EXCEPT METALS)

XX Based upon split sample results, concentrations should be considered as estimates

* Reporting limits are in question due to higher than desirable RPD of duplicate samples

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-31

TRENCHES IN LAND TREATMENT AREA-1991 PCB CONCENTRATIONS (PPM)

NORTH TRENCH AREA																			
SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)																			
SAMPLE	DEPTH	SB-1C		SB-1D		SB-1F		SB-1G		SB-1I		SB-1J		SB-2B		SB-2C		SB-2D	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	0.1		0.5		<0.1		<0.1		<0.1		<0.1		<0.1		0.1		0.3	
S-2	1-2'					<0.2	<0.623												
S-3	2-3'																		
S-4	3-4'																		
S-5	4-5'																		18
S-6	5-6'																		
S-7	6-7'																		
S-8	7-8'																		
S-9	8-9'																		
S-10	9-10'																		

SAMPLE	DEPTH	NORTH TRENCH AREA SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)																	
		SB-2E		SB-2F		SB-2G		SB-2I		SB-2J		SB-2K		SB-2M		SB-2N		SB-2P	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	0.5		1		3.2		0.5		0.2		<0.1		10.2		4.6		0.3	
S-2	1-2'																		
S-3	2-3'																		
S-4	3-4'																		
S-5	4-5'																		
S-6	5-6'																		
S-7	6-7'																		
S-8	7-8'																		
S-9	8-9'																		
S-10	9-10'																		
		<0.609		<0.637				<0.63		<0.609				<0.1		<0.1		<0.602	
																		<0.623	

SAMPLE	DEPTH	NORTH TRENCH AREA SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)													
		SB-3B		SB-3C		SB-3D		SB-3E		SB-3F		SB-3H		SB-3L	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	0.2		2.7		<0.1		0.6		0.9		<0.1		<0.1	
S-2	1-2'	0.6	0.22	<0.1											
S-3	2-3'					<0.616									
S-4	3-4'														
S-5	4-5'														
S-6	5-6'														
S-7	6-7'														
S-8	7-8'														
S-9	8-9'					<0.7									
S-10	9-10'														

SB-2L
4-5-6-7-8-9-10
0.9

NOTE: SAMPLE LOCATIONS ARE SHOWN ON FIGURE 4-12.

SUBSURFACE AREA EXCEEDING 1 PPM PCBs

FORM I TO 4 (REV. 1-1983)

NOTE: SAMPLE LOCATIONS ARE SHOWN ON FIGURE 4-12.

SUBSURFACE AREA EXCEEDING 1 PPM PCBs
DEPTH TO <1 PPM PCBs

Borden
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BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-31 (CONTINUED)
TRENCHES IN LAND TREATMENT AREA-1991 PCB CONCENTRATIONS (PPM)

SAMPLE	DEPTH	CENTRAL TRENCH AREA											
		SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)											
		SB-4B		SB-4C		SB-4D		SB-4E		SB-4F		SB-4G	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	<0.1	<0.735	<0.1	<0.714	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.672
S-2	1-2'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-3	2-3'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-4	3-4'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-5	4-5'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-6	5-6'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-7	6-7'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-8	7-8'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-9	8-9'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-10	9-10'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

SAMPLE	DEPTH	CENTRAL TRENCH AREA											
		SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)											
		SB-4K		SB-4L		SB-4N		SB-5A		SB-5B		SB-5C	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	<0.1	<0.63	<0.1	<0.686	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-2	1-2'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-3	2-3'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-4	3-4'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-5	4-5'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-6	5-6'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-7	6-7'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-8	7-8'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-9	8-9'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-10	9-10'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

SAMPLE	DEPTH	CENTRAL TRENCH AREA											
		SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)											
		SB-5G		SB-5H		SB-5I		SB-5L		SB-6A		SB-6C	
		BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES	BORDEN	SLES
S-1	0-1'	4.8	<0.1	<0.1	<0.665	30.8	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1
S-2	1-2'	<0.1	<0.1	<0.1	<0.1	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-3	2-3'	<0.1	<0.1	<0.1	<0.1	25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-4	3-4'	<0.1	<0.1	<0.1	<0.1	1.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-5	4-5'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-6	5-6'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-7	6-7'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-8	7-8'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-9	8-9'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-10	9-10'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

NOTE: SAMPLE LOCATIONS ARE SHOWN ON FIGURE 4-12.

SUBSURFACE AREA EXCEEDING 1 PPM PCBs

DEPTH TO <1 PPM PCBs

SEGS - Borden

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-31 (CONTINUED)

TRENCHES IN LAND TREATMENT AREA-1991 PCB CONCENTRATIONS (PPM)

CENTRAL TRENCH AREA

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
		SB-6H	SB-6I	SB-6J	SB-6K	SB-6P	SB-6Q	SB-7C	SB-7F	SB-7G	SB-7I
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	<0.1	4.2	<0.1	<0.1	1.7	5.2	<0.1	<0.1	<0.1	<0.1
S-2	1-2'	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1
S-3	2-3'	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1
S-4	3-4'	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-5	4-5'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-6	5-6'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-7	6-7'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-8	7-8'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-9	8-9'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-10	9-10'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

SOUTH TRENCH AREA

SAMPLE	DEPTH	SOIL BORING NUMBER (PCB CONCENTRATION IN PPM)									
		SB-8D	SB-8B	SB-8C	SB-8D	SB-8E	SB-8F	SB-8G	SB-8H	SB-8I	SB-8J
		BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES	BORDEN SLES
S-1	0-1'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-2	1-2'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-3	2-3'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-4	3-4'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-5	4-5'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-6	5-6'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-7	6-7'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-8	7-8'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-9	8-9'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
S-10	9-10'	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

NOTE: SAMPLE LOCATIONS ARE SHOWN ON FIGURE 4-12.

SUBSURFACE AREA EXCEEDING 1 PPM PCBs
DEPTH TO <1 PPM PCBs

SLES -

Borden -

Note
Borden
SVES

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-32
COMPLETE SOIL ANALYSIS - NORTH TRENCH

SOIL BORING	SB-1F S-2	SB-2C S-5	SB-2C S-8	SB-2D S-4	SB-2E S-3	SB-2F S-4	SB-2I S-6	SB-2J S-5	SB-2J S-8
LABORATORY ANALYZING THE DATA	BORDEN	SLES	SLES	SLES	SLES	SLES	SLES	SLES	SLES
VOLATILE ORGANIC COMPOUNDS (ppm)									
BENZENE	<0.005	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
BENZYL CHLORIDE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
BROMOBENZENE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
BROMODICHLOROMETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
BROMOFORM	NA	<0.027	<38	<0.030	<0.027	<0.024	<0.029	<0.026	<0.024
BROMOMETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
CARBON TETRACHLORIDE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
CHLOROBENZENE	NA	<0.0054	25	<0.0059	0.48	0.031	<0.0058	<0.0052	<0.0048
CHLOROETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
CHLOROFORM	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1-CHLOROHXANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
2-CHLOROETHYL VINYL ETHER	NA	<0.054	<7.6	<0.059	<0.053	<0.048	<0.058	<0.052	<0.048
CHLOROMETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
CHLOROTOLUENE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
DIBROMOCHLOROMETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
DIBROMOMETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,2-DICHLOROBENZENE	NA	<0.0054	<7.6	<0.0059	6.5	<0.0048	<0.0058	<0.0052	<0.0048
1,3-DICHLOROBENZENE	NA	<0.0054	310	<0.0059	0.19	<0.0048	<0.0058	<0.0052	<0.0048
1,4-DICHLOROBENZENE	NA	<0.0054	100	<0.0059	0.6	<0.0048	<0.0058	<0.0052	<0.0048
DICHLORODIFLUOROMETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,1-DICHLOROETHANE	NA	<0.0054	21	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,2-DICHLOROETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,1-DICHLOROETHENE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,2-DICHLOROETHENE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
DICHLOROMETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,2-DICHLOROPROPANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,3-DICHLOROPROPENE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
ETHYLBENZENE	<0.005	<0.0054	14	<0.0059	0.92	0.031	0.01	<0.0052	<0.0048
1,1,2,2-TETRACHLOROETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,1,1,2-TETRACHLOROETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
TETRACHLOROETHENE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
TOLUENE	<0.005	<0.0054	480	<0.0059	8.0	<0.12	0.011	<0.0052	<0.0048
1,1,1-TRICHLOROETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,1,2-TRICHLOROETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
TRICHLOROETHENE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
TRICHLORODIFLUOROMETHANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
1,2,3-TRICHLOROPROPANE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
VINYL CHLORIDE	NA	<0.0054	<7.6	<0.0059	<0.0053	<0.0048	<0.0058	<0.0052	<0.0048
XYLENES	<0.005	<0.0054	9.9	<0.0059	0.56	0.023	0.035	0.015	<0.0048
2-BUTANONE (MEK)	<0.025	<0.054	<7.6	<0.059	<0.053	0.87	<0.058	<0.052	<0.048
TOTAL (ppm)	ND	ND	959.9	ND	18.13	0.755	0.056	0.015	ND
PHENOLS									
4-CHLORO-3-METHYLPHENOL	<0.4	<0.22	<0.26	<0.24	<2.3	<0.22	<0.22	<0.22	<0.22
2-CHLOROPHENOL	<0.5	<0.22	<0.26	<0.24	<2.3	<0.22	<0.22	<0.22	<0.22
2,4-DICHLOROPHENOL	<0.5	<0.22	<0.26	<0.24	<2.3	<0.22	<0.22	<0.22	<0.22
2,4-DIMETHYLPHENOL	<0.8	<0.22	<0.26	<0.24	<2.3	<0.22	<0.22	<0.22	<0.22
2,4-DINITROPHENOL	<2.6	<1.1	<1.3	<1.2	<12	<1.1	<1.1	<1.1	<1.1
2-METHYL-4,6-DINITROPHENOL	<1.9	<1.1	<1.3	<1.2	<12	<1.1	<1.1	<1.1	<1.1
2-NITROPHENOL	<0.5	<0.22	<0.26	<0.24	<2.3	<0.22	<0.22	<0.22	<0.22
4-NITROPHENOL	<4.2	<1.1	<1.3	<1.2	<12	<1.1	<1.1	<1.1	<1.1
PENTACHLOROPHENOL	<1.8	<1.1	<1.3	<1.2	<12	<1.1	<1.1	<1.1	<1.1
PHENOL	<0.7	<0.22	<0.26	<0.24	<2.3	<0.22	<0.22	<0.22	<0.22
2,4,6-TRICHLOROPHENOL	<0.1	<0.22	<0.26	<0.24	<2.3	<0.22	<0.22	<0.22	<0.22
TOTAL PHENOLS (ppm)	ND	ND	ND	ND	ND	ND	ND	ND	ND
RESORCINOL (ppm)	<1	<0.74	<0.88	<0.59	<0.58	<1.1	<0.75	<0.7	<0.72
ANILINE (ppm)	<0.7	<0.22	<0.26	<0.24	<2.3	<0.22	<0.22	<0.22	<0.22
FURFURAL (ppm)	<0.7	<1.1	<1.3	<1.2	<12	<1.1	<1.1	<1.1	<1.1
FORMALDEHYDE (ppm)	0.7	0.31	2.7	1.4	60	2.6	0.1	0.086	0.11
PCBs (ppm)									
AROCLOR-1018	NA	<0.089	<3.08	<0.094	<2.8	<0.087	<0.091	<0.09	<0.087
AROCLOR-1221	NA	<0.089	<3.08	<0.094	<2.8	<0.087	<0.091	<0.09	<0.087
AROCLOR-1232	NA	<0.089	<3.08	<0.094	<2.8	<0.087	<0.091	<0.09	<0.087
AROCLOR-1242	NA	<0.089	13	<0.094	18	<0.087	<0.091	<0.09	<0.087
AROCLOR-1248	NA	<0.089	<3.08	<0.094	<2.8	<0.087	<0.091	<0.09	<0.087
AROCLOR-1254	NA	<0.089	<3.08	<0.094	<2.8	<0.087	<0.091	<0.09	<0.087
AROCLOR-1260	NA	<0.089	<3.08	<0.094	<2.8	<0.087	<0.091	<0.09	<0.087
TOTAL PCBs (ppm)	<0.2	ND	13	ND	18	ND	ND	ND	ND
METALS (ppm)									
ARSENIC	<10	7.1	10	7.8	9	9.1	6.5	11	8.4
BARIUM	57.6	61	3400	36	250	68	72	72	62
CADMIUM	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	<0.50	<0.50
CHROMIUM	12.5	18	31	14	28	19	20	23	20
LEAD	24.6	16	12	7.8	12	5.5	12	10	9
MERCURY	<0.2	0.035	0.11	0.017	0.32	0.015	0.027	0.024	0.023
SELENIUM	4.1	0.11	0.12	<0.050	0.14	<0.050	0.094	0.1	<0.050
NOTES NA NOT ANALYZED									
ND NOT DETECTED									
BOLD COMPOUND DETECTED									
(METALS EXCLUDED)									

NA Based upon inconsistencies between split sample results, concentrations should be considered estimates.

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-32 (CONTINUED)
COMPLETE SOIL ANALYSIS - NORTH TRENCH

SOIL BORING	SB-2N S-6	SB-2P S-3	SB-3B S-2	SB-3D S-3	SB-3D S-9	SB-3L S-5
LABORATORY ANALYZING THE DATA	SLES	SLES	BORDEN	SLES	SLES	SLES
VOLATILE ORGANIC COMPOUNDS (ppm)						
BENZENE	<0.0048	<0.0048	<0.005	<0.0051	<0.0047	<0.0049
BENZYL CHLORIDE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
BROMOBENZENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
BROMODICHLOROMETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
BROMOFORM	<0.024	<0.025	N A	<0.028	<0.024	<0.025
BROMOMETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
CARBON TETRACHLORIDE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
CHLOROBENZENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
CHLOROETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
CHLOROFORM	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1-CHLOROHEXANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
2-CHLOROETHYL VINYL ETHER	<0.048	<0.049	N A	<0.051	<0.047	<0.049
CHLOROMETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
CHLOROTOLUENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
DIBROMOCHLOROMETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
DIBROMOMETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,2-DICHLOROBENZENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,3-DICHLOROBENZENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,4-DICHLOROBENZENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
DICHLOROFLUOROMETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,1-DICHLOROETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,2-DICHLOROETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,1-DICHLOROETHENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,2-DICHLOROETHENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
DICHLOROMETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,2-DICHLOROPROPANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,3-DICHLOROPROPENE	<0.0048	0.0068	N A	<0.0051	<0.0047	<0.0049
ETHYLBENZENE	<0.0048	<0.0049	<0.005	<0.0051	<0.0047	<0.0049
1,1,2,2-TETRACHLOROETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,1,1,2-TETRACHLOROETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
TETRACHLOROETHENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
TOLUENE	<0.0048	0.083	<0.005	<0.0051	<0.0047	<0.0049
1,1,1-TRICHLOROETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,1,2-TRICHLOROETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
TRICHLOROETHENE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
TRICHLOROFLUOROMETHANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
1,2,3-TRICHLOROPROPANE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
VINYL CHLORIDE	<0.0048	<0.0049	N A	<0.0051	<0.0047	<0.0049
XYLENES	<0.0048	0.042	<0.005	0.021	0.018	0.023
2-BUTANONE (MEK)	<0.048	<0.049	<0.025	<0.051	<0.047	<0.049
TOTAL (ppm)	N D	0.1318	N D	0.021	0.016	0.023
PHENOLS						
4-CHLORO-3-METHYLPHENOL	<0.22	<0.22	<0.4	<0.23	<0.22	<0.22
2-CHLOROPHENOL	<0.22	<0.22	<0.5	<0.23	<0.22	<0.22
2,4-DICHLOROPHENOL	<0.22	<0.22	<0.5	<0.23	<0.22	<0.22
2,4-DIMETHYLPHENOL	<0.22	<0.22	<0.8	<0.23	<0.22	<0.22
2,4-DINITROPHENOL	<1.1	<1.1	<2.6	<1.2	<1.1	<1.1
2-METHYL-4,6-DINITROPHENOL	<1.1	<1.1	<1.9	<1.2	<1.1	<1.1
2-NITROPHENOL	<0.22	<0.22	<0.5	<0.23	<0.22	<0.22
4-NITROPHENOL	<1.1	<1.1	<4.2	<1.2	<1.1	<1.1
PENTACHLOROPHENOL	<1.1	<1.1	<1.8	<1.2	<1.1	<1.1
PHENOL	<1.1	<0.22	<0.7	<0.23	<0.22	<0.22
2,4,6-TRICHLOROPHENOL	<1.1	<0.22	<0.1	<0.23	<0.22	<0.22
TOTAL PHENOLS (ppm)	N D	N D	N D	N D	N D	N D
RESORCINOL (ppm)	<0.72	<0.74	<1	<0.77	<0.68	<0.73
ANILINE (ppm)	<0.22	<0.22	<0.7	<0.23	<0.22	<0.23
FURFURAL (ppm)	<1.1	<1.1	<0.7	<1.2	<1.1	<1.1
FORMALDEHYDE (ppm)	0.091	0.065	1.3	1	0.15	0.24
PCBs (ppm)						
AROCLOR-1018	<0.086	<0.089	N A	<0.093	<0.088	<0.1
AROCLOR-1221	<0.086	<0.089	N A	<0.093	<0.088	<0.1
AROCLOR-1232	<0.086	<0.089	N A	<0.093	<0.088	<0.1
AROCLOR-1242	<0.086	<0.089	N A	0.22	<0.088	<0.1
AROCLOR-1248	<0.086	<0.089	N A	<0.093	<0.088	<0.1
AROCLOR-1254	<0.086	<0.089	N A	<0.093	<0.088	<0.1
AROCLOR-1260	<0.086	<0.089	N A	<0.093	<0.088	<0.1
TOTAL PCBs (ppm)	N D	N D	0.6	0.22	N D	N D
METALS (ppm)						
ARSENIC	10	8.7	<10	7.6	6.4	10
BARIUM	69	73	60.3	70	84	110
CADMIUM	<0.50	<0.50	4	<0.50	<0.50	<0.50
CHROMIUM	22	18	11.4	19	20	18
LEAD	9	9.1	20.8	16	12	12
MERCURY	0.013	0.023	<0.2	0.046	0.029	0.019
SELENIUM	<0.05	0.075	1.1	0.15	0.09	0.053

NOTES NA NOT ANALYZED
ND NOT DETECTED
BOLD COMPOUND DETECTED
(METALS EXCLUDED)

*note Borden -
SLES -*

note
5263-

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-33
COMPLETE SOIL ANALYSIS - CENTRAL TRENCH

SOIL BORING	SB-4B S-2	SB-4D S-1	SB-4H S-4	SB-4L S-3	SB-5B S-5	SB-5H S-2	SB-5L S-5	SB-6A S-6	SB-6H S-5	SB-6D S-3	SB-7C S-2	SB-7I S-1
LABORATORY ANALYZING THE DATA	SLES	SLES	SLES	SLES	SLES	SLES	SLES	SLES	SLES	SLES	SLES	SLES
VOLATILE ORGANIC COMPOUNDS (ppm)												
BENZENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	0.0095	<0.0048
BENZYL CHLORIDE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
BROMOBENZENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
BROMODICHLOROMETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
BROMOFORM	<0.029	<0.031	<0.023	<0.026	<0.031	<0.029	<0.029	<0.025	<0.029	<0.028	<0.032	<0.024
BROMOMETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
CARBON TETRACHLORIDE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
CHLOROBENZENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	0.026	<0.0058	<0.0056	<0.0063	<0.0048
CHLOROETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
CHLOROFORM	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1-CHLOROHEXANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
2-CHLOROETHYL VINYL ETHER	<0.057	<0.062	<0.045	<0.051	<0.062	<0.058	<0.057	<0.049	<0.058	<0.056	<0.063	<0.048
CHLOROMETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
CHLOROTOLUENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
DIBROMOCHLOROMETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
DIBROMOMETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,2-DICHLOROBENZENE	<0.0057	<0.0062	<0.0045	<0.0051	0.015	<0.0058	<0.0057	0.056	<0.0058	<0.0056	<0.0063	<0.0048
1,3-DICHLOROBENZENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,4-DICHLOROBENZENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
DICHLORODIFLUOROMETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,1-DICHLOROETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,2-DICHLOROETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,1-DICHLOROETHENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,2-DICHLOROETHENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
DICHLOROMETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,2-DICHLOROPROPANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,3-DICHLOROPROPENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
ETHYLBENZENE	0.01	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	0.0078	<0.0048
1,1,2,2-TETRACHLOROETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,1,1,2-TETRACHLOROETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
TETRACHLOROETHENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
TOLUENE	0.12	<0.0062	<0.0045	<0.0051	0.12	0.023	<0.0057	0.036	<0.0058	<0.0056	0.033	<0.0048
1,1,1-TRICHLOROETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,1,2-TRICHLOROETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
TRICHLOROETHENE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
TRICHLOROFUOROMETHANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
1,2,3-TRICHLOROPROPANE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
VINYL CHLORIDE	<0.0057	<0.0062	<0.0045	<0.0051	<0.0062	<0.0058	<0.0057	<0.0049	<0.0058	<0.0056	<0.0063	<0.0048
XYLENES	<0.0057	<0.0062	<0.0045	<0.0051	0.087	<0.0058	<0.0057	0.019	<0.0058	<0.0056	<0.0063	<0.0048
2-BUTANONE (MEK)	<0.057	<0.062	<0.045	<0.051	<0.062	<0.058	<0.057	1.9	<0.058	<0.056	<0.063	<0.048
TOTAL (ppm)	0.022	ND	ND	ND	0.222	0.023	ND	2.037	ND	ND	0.0501	ND
PHENOLS												
4-CHLORO-3-METHYLPHENOL	<0.27	<0.26	<0.22	<0.22	<0.23	<0.25	<0.22	<0.22	<0.25	<0.24	<2.4	<0.22
2-CHLOROPHENOL	<0.27	<0.26	<0.22	<0.22	<0.23	<0.25	<0.22	<0.22	<0.25	<0.24	<2.4	<0.22
2,4-DICHLOROPHENOL	<0.27	<0.26	<0.22	<0.22	<0.23	<0.25	<0.22	<0.22	<0.25	<0.24	<2.4	<0.22
2,4-DIMETHYLPHENOL	<0.27	<0.26	<0.22	<0.22	<0.23	<0.25	<0.22	<0.22	<0.25	<0.24	<2.4	<0.22
2,4-DINITROPHENOL	<1.3	<1.3	<1.1	<1.1	<1.2	<1.2	<1.1	<1.1	<1.2	<1.2	<12	<1.1
2-METHYL-4,6-DINITROPHENOL	<1.3	<1.3	<1.1	<1.1	<1.2	<1.2	<1.1	<1.1	<1.2	<1.2	<12	<1.1
2-NITROPHENOL	<0.27	<0.26	<0.22	<0.22	<0.23	<0.25	<0.22	<0.22	<0.25	<0.24	<2.4	<0.22
4-NITROPHENOL	<1.3	<1.3	<1.1	<1.1	<1.2	<1.2	<1.1	<1.1	<1.2	<1.2	<12	<1.1
PENTACHLOROPHENOL	<1.3	<1.3	<1.1	<1.1	<1.2	<1.2	<1.1	<1.1	<1.2	<1.2	<12	<1.1
PHENOL	<0.27	<0.26	<0.22	<0.22	<0.23	<0.25	<0.22	<0.22	<0.25	<0.24	73	<0.22
2,4,6-TRICHLOROPHENOL	<0.27	<0.26	<0.22	<0.22	<0.23	<0.25	<0.22	<0.22	<0.25	<0.24	<2.4	<0.22
TOTAL PHENOLS (ppm)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73	ND
RESORCINAL (ppm)	<0.85	<0.8	<0.73	<0.74	<0.87	<0.82	<0.72	<0.69	<0.75	<0.78	<7.6	<0.68
ANILINE (ppm)	<0.27	<0.26	<0.22	<0.22	<0.23	<0.25	<0.22	<0.22	<0.25	<0.24	<0.25	<0.22
FURFURAL (ppm)	<1.3	<1.3	<1.1	<1.1	<1.2	<1.2	<1.1	<1.1	<1.2	<1.2	<1.2	<1.1
FORMALDEHYDE (ppm)	0.25	0.64	0.14	0.097	16	0.78	<0.052	21	0.13	0.13	4.6	0.75
PCBs (ppm)												
AROCOR-1016	<0.105	<0.102	<0.088	<0.089	<0.093	<0.1	<0.087	<0.087	<0.099	<0.085	<0.29	<0.087
AROCOR-1221	<0.105	<0.102	<0.088	<0.089	<0.093	<0.1	<0.087	<0.087	<0.099	<0.085	<0.29	<0.087
AROCOR-1232	<0.105	<0.102	<0.088	<0.089	<0.093	<0.1	<0.087	<0.087	<0.099	<0.085	<0.29	<0.087
AROCOR-1242	<0.105	<0.102	<0.088	<0.089	0.15	<0.1	<0.087	<0.087	<0.099	<0.085	0.95	<0.087
AROCOR-1248	<0.105	<0.102	<0.088	<0.089	<0.093	<0.1	<0.087	<0.087	<0.099	<0.085	<0.29	<0.087
AROCOR-1254	<0.105	<0.102	<0.088	<0.089	<0.093	<0.1	<0.087	<0.087	<0.099	<0.085	<0.29	<0.087
AROCOR-1280	<0.105	<0.102	<0.088	<0.089	<0.093	<0.1	<0.087	<0.087	<0.099	<0.085	<0.29	<0.087
TOTAL PCBs (ppm)	ND	ND	ND	ND	0.15	ND	ND	ND	ND	ND	0.95	ND
METALS (ppm)												
ARSENIC	11	12	8.2	9.1	12	8.2	10	10	11	7.1	8.7	9.6
BARIUM	67	74	89	66	92	120	70	60	67	72	280	84
CADMIUM	<0.50	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CHROMIUM	23	19	19	20	23	19	22	18	20	16	19	17
LEAD	19	30	37	11	10	26	13	17	9.8	13	13	13
MERCURY	0.042	0.048	0.029	0.037	0.021	0.042	0.022	0.014	0.025	0.029	0.049	0.027
SELENIUM	0.11	0.2	0.073	0.075	0.69	0.14	<0.050	0.083	<0.050	0.2	0.12	0.085

NOTES NA NOT ANALYZED
ND NOT DETECTED
BOLD COMPOUND DETECTED
(METALS EXCLUDED)

note
SLES-

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-34
COMPLETE SOIL ANALYSIS - SOUTH TRENCH

SOIL BORING	SB-9G S-5	SB-9G S-9	SB-10C S-4	SB-10C S-7
LABORATORY ANALYZING THE DATA	SLES	SLES	SLES	SLES
VOLATILE ORGANIC COMPOUNDS (ppm)				
BENZENE	<6.4	<0.0065	<0.0056	<0.0054
BENZYL CHLORIDE	<6.4	<0.0065	<0.0056	<0.0054
BROMOBENZENE	<6.4	<0.0065	<0.0056	<0.0054
BROMODICHLOROMETHANE	<6.4	<0.0065	<0.0056	<0.0054
BROMOFORM	<32	<0.033	<0.028	<0.027
BROMOMETHANE	<6.4	<0.0065	<0.0056	<0.0054
CARBON TETRACHLORIDE	<6.4	<0.0065	<0.0056	<0.0054
CHLOROBENZENE	<6.4	<0.0065	<0.0056	<0.0054
CHLOROETHANE	<6.4	<0.0065	<0.0056	<0.0054
CHLOROFORM	<6.4	<0.0065	<0.0056	<0.0054
1-CHLOROHXANE	<6.4	<0.0065	<0.0056	<0.0054
2-CHLOROETHYL VINYL ETHER	<6.4	<0.065	<0.056	<0.054
CHLOROMETHANE	<6.4	<0.0065	<0.0056	<0.0054
CHLOROTOLUENE	<6.4	<0.0065	<0.0056	<0.0054
DIBROMOCHLOROMETHANE	<6.4	<0.0065	<0.0056	<0.0054
DIBROMOMETHANE	<6.4	<0.0065	<0.0056	<0.0054
1,2-DICHLOROBENZENE	150	0.018	<0.0056	<0.0054
1,3-DICHLOROBENZENE	15	<0.0065	<0.0056	<0.0054
1,4-DICHLOROBENZENE	<6.4	0.0075	<0.0056	<0.0054
DICHLORODIFLUOROMETHANE	<6.4	<0.0065	<0.0056	<0.0054
1,1-DICHLOROETHANE	<6.4	<0.0065	<0.0056	<0.0054
1,2-DICHLOROETHANE	<6.4	<0.0065	<0.0056	<0.0054
1,1-DICHLOROETHENE	<6.4	<0.0065	<0.0056	<0.0054
1,2-DICHLOROETHENE	<6.4	<0.0065	<0.0056	<0.0054
DICHLOROMETHANE	<6.4	<0.0065	<0.0056	<0.0054
1,2-DICHLOROPROPANE	<6.4	<0.0065	<0.0056	<0.0054
1,3-DICHLOROPROPENE	<6.4	<0.0065	<0.0056	<0.0054
ETHYLBENZENE	18	0.0072	<0.0056	<0.0054
1,1,2,2-TETRACHLOROETHANE	<6.4	<0.0065	<0.0056	<0.0054
1,1,1,2-TETRACHLOROETHANE	<6.4	<0.0065	<0.0056	<0.0054
TETRACHLOROETHENE	<6.4	<0.0065	<0.0056	<0.0054
TOLUENE	2500	0.027	<0.0056	<0.0054
1,1,1-TRICHLOROETHANE	<6.4	<0.0065	<0.0056	<0.0054
1,1,2-TRICHLOROETHANE	<6.4	<0.0065	<0.0056	<0.0054
TRICHLOROETHENE	<6.4	<0.0065	<0.0056	<0.0054
TRICHLOROFUOROMETHANE	<6.4	<0.0065	<0.0056	<0.0054
1,2,3-TRICHLOROPROPANE	<6.4	<0.0065	<0.0056	<0.0054
VINYL CHLORIDE	<6.4	<0.0065	<0.0056	<0.0054
XYLENES	77	0.018	<0.0056	<0.0054
2-BUTANONE (MEK)	<6.4	<0.065	<0.056	<0.054
TOTAL (ppm)	2760	0.0737	ND	ND
PHENOLS				
4-CHLORO-3-METHYLPHENOL	<5.6	<0.26	<0.22	<0.22
2-CHLOROPHENOL	<5.6	<0.26	<0.22	<0.22
2,4-DICHLOROPHENOL	<5.6	<0.26	<0.22	<0.22
2,4-DIMETHYLPHENOL	<5.6	<0.26	<0.22	<0.22
2,4-DINITROPHENOL	<28	<1.3	<1.1	<1.2
2-METHYL-4,6-DINITROPHENOL	<28	<1.3	<1.1	<1.2
2-NITROPHENOL	<5.6	<0.26	<0.22	<0.22
4-NITROPHENOL	<28	<1.3	<1.1	<1.2
PENTACHLOROPHENOL	<28	<1.3	<1.1	<1.2
PHENOL	<5.6	<0.26	<0.22	<0.22
2,4,6-TRICHLOROPHENOL	<5.6	<0.26	<0.22	<0.22
TOTAL PENOLS (ppm)	ND	ND	ND	ND
RESORCINAL (ppm)	<6.8	<0.8	<0.71	<0.77
ANILINE (ppm)	<5.6	<0.26	<0.22	<0.23
FURFURAL (ppm)	<2.8	<1.3	<1.1	<1.2
FORMALDEHYDE (ppm)	39	8.5	<0.05	0.12
PCBs (ppm)				
AROCLOR-1016	<0.51	<0.08	<0.088	<0.093
AROCLOR-1221	<0.51	<0.08	<0.088	<0.093
AROCLOR-1232	<0.51	<0.08	<0.088	<0.093
AROCLOR-1242	5.3	0.8	<0.088	<0.093
AROCLOR-1248	<0.51	<0.08	<0.088	<0.093
AROCLOR-1254	<0.51	<0.08	<0.088	<0.093
AROCLOR-1260	<0.51	<0.08	<0.088	<0.093
TOTAL PCBs (ppm)	5.3	0.6	ND	ND
METALS (ppm)				
ARSENIC	1.9	0.81	8.9	8.6
BARIUM	1800	24	51	58
CADMIUM	<0.50	<0.50	<0.50	<0.50
CHROMIUM	73	8.8	14	20
LEAD	32	11	16	8.3
MERCURY	1.7	0.04	0.028	0.022
SELENIUM	<0.050	<0.050	<0.050	<0.050
NOTES NA NOT ANALYZED				
ND NOT DETECTED				
BOLD COMPOUND DETECTED				
(METALS EXCLUDED)				

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-35
DIRTY WATER SEWER SOIL ANALYSIS

note
Borden
SV-35

SOIL SAMPLE	SV-1A	SV-1B	SV-1C	SV-2A	SV-2B	SV-2C	SV-3A	SV-3B	SV-3C	SV-4A	SV-4B
LAB ANALYZING SAMPLE	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN
VOLATILE ORGANIC COMPOUNDS (ppm)											
BENZENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BENZYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-CHLOROHEXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-BUTANONE (MEK)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
TOTAL VOCs (ppm)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENOLS (ppm)											
CRESOL	<0.6	<0.6	<0.6	NA	<0.6	<0.6	<0.6	NA	<0.6	<0.6	<0.6
4-CHLORO-3-METHYLPHENOL	<0.4	<0.4	<0.4	<0.22	<0.4	<0.4	<0.4	<0.22	<0.4	<0.4	<0.4
2-CHLOROPHENOL	<0.5	<0.5	<0.5	<0.22	<0.5	<0.5	<0.5	<0.22	<0.5	<0.5	<0.5
2,4-DICHLOROPHENOL	<0.5	<0.5	<0.5	<0.22	<0.5	<0.5	<0.5	<0.22	<0.5	<0.5	<0.5
2,4-DIMETHYLPHENOL	<0.8	<0.8	<0.8	<0.22	<0.8	<0.8	<0.8	<0.22	<0.8	<0.8	<0.8
2,4-DINITROPHENOL	<2.6	<2.6	<2.6	<1.1	<2.6	<2.6	<2.6	<1.1	<2.6	<2.6	<2.6
2-METHYL-4,6-DINITROPHENOL	<1.9	<1.9	<1.9	<1.1	<1.9	<1.9	<1.9	<1.1	<1.9	<1.9	<1.9
2-NITROPHENOL	<0.5	<0.5	<0.5	<0.22	<0.5	<0.5	<0.5	<0.22	<0.5	<0.5	<0.5
4-NITROPHENOL	<4.2	<4.2	<4.2	<1.1	<4.2	<4.2	<4.2	<1.1	<4.2	<4.2	<4.2
PENTACHLOROPHENOL	<1.8	<1.8	<1.8	<1.1	<1.8	<1.8	<1.8	<1.1	<1.8	<1.8	<1.8
PHENOL	0.8	<0.7	<0.7	<0.22	<0.7	1.2	<0.7	<0.22	<0.7	<0.7	<0.7
2,4,6-TRICHLOROPHENOL	<0.1	<0.1	<0.1	<0.22	<0.1	<0.1	<0.1	<0.22	<0.1	<0.1	<0.1
TOTAL PHENOLS (ppm)	0.8	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND
RESORCINOL (ppm)	<1	<1	<1	<0.71	<1	<1	<1	<0.74	<1	<1	<1
ANILINE (ppm)	<0.7	<0.7	<0.7	<0.22	<0.7	<0.7	<0.7	<0.22	<0.7	<0.7	<0.7
FURFURAL (ppm)	<0.7	<0.7	<0.7	<1.1	<0.7	<0.7	<0.7	<1.1	<0.7	<0.7	<0.7
FORMALDEHYDE (ppm)	10.4	0.7	0.4	0.077	0.9	3.1	5.1	0.8	<0.053	10.5	11.2
PCBs (ppm)											
AROCHLOR-1016	NR	NR	NR	<0.086	NR	NR	NR	<0.26	NR	NR	NR
AROCHLOR-1221	NR	NR	NR	<0.086	NR	NR	NR	<0.26	NR	NR	NR
AROCHLOR-1232	NR	NR	NR	<0.086	NR	NR	NR	<0.26	NR	NR	NR
AROCHLOR-1242	NR	NR	NR	<0.086	NR	NR	NR	<0.26	NR	NR	NR
AROCHLOR-1248	NR	NR	NR	<0.086	NR	NR	NR	<0.26	NR	NR	NR
AROCHLOR-1254	NR	NR	NR	<0.086	NR	NR	NR	<0.26	NR	NR	NR
AROCHLOR-1260	NR	NR	NR	<0.086	NR	NR	NR	<0.26	NR	NR	NR
TOTAL PCBs (ppm)	<0.2	<0.2	<0.2	ND	<0.2	<0.2	<0.2	1.2	ND	<0.2	<0.2
METALS (ppm)											
ARSENIC	<10	<10	<10	8.2	<10	<10	<10	5.6	<10	<10	<10
BARIUM	61.6	39.2	38.5	37	26	47.2	35.9	28.1	43	33.8	60.4
CADMIUM	5.3	5.7	6	<0.50	3.4	4.8	5.2	3.1	<0.50	4	3.3
CHROMIUM	16.6	15.7	15.1	18	12.7	14	13.6	9.3	18	10.9	9.1
LEAD	22.9	22.9	31.4	13	15.1	22.9	20.2	13.2	14	16.7	14.7
MERCURY	<0.2	<0.2	<0.2	0.05	<0.2	<0.2	<0.2	<0.2	0.022	<0.2	<0.2
SELENIUM	6.8	6.8	7.1	0.11	3.8	6.5	7.9	4.4	0.12	4.3	5.2

NOTES: N/A NOT ANALYZED
ND NOT DETECTED
BOLD COMPOUND DETECTED
(METALS EXCLUDED)
NR NOT REPORTED
SEPARATELY

*** Based upon inconsistencies between split sample results, concentrations should be considered estimates.*

** Laboratory QA/QC data are outside control limits for certain samples; results are considered estimates.*

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-35 (CONTINUED)
DIRTY WATER SEWER SOIL ANALYSIS

SOIL SAMPLE	SV-4C	SV-5A	SV-5B	SV-5C	SV-6A	SV-6B	SV-6C	SV-7A	SV-7B	SV-7C	SV-8A
LAB ANALYZING SAMPLE	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN
VOLATILE ORGANIC COMPOUNDS (ppm)											
BENZENE	<0.005	<0.005	<0.005 <0.0047	<0.005	<0.005	<0.005 <0.0049	<0.005	<0.005	<0.005	<0.005	<0.005
BENZYL CHLORIDE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA <0.024	NA	NA	NA <0.025	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1-CHLOROHXANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA <0.047	NA	NA	NA <0.049	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
CHLOROTOLUENE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
DEBROMOCHLOROMETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,3-DICHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,4-DICHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
DICHLOROFLUOROMETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
ETHYLBENZENE	<0.005	<0.005	<0.005 <0.0047	<0.005	<0.005	<0.005 <0.0049	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
TOLUENE	<0.005	<0.005	<0.005 <0.0047	<0.005	<0.005	<0.005 <0.0049	<0.005	<0.005	<0.005	0.0098	<0.005
1,1,1-TRICHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA <0.0047	NA	NA	NA <0.0049	NA	NA	NA	NA	NA
XYLENES	<0.005	<0.005	<0.005 <0.0047	<0.005	<0.005	<0.005 <0.0049	<0.005	<0.005	<0.005	<0.005	<0.005
2-BUTANONE (MEK)	<0.025	<0.025	<0.025 <0.047	<0.025	<0.025	<0.025 <0.049	<0.025	<0.025	<0.025	<0.025	<0.025
TOTAL VOCs (ppm)	ND	ND	ND ND	ND	ND	ND ND	ND	ND	ND	0.0098	ND
PHENOLS (ppm)											
CREOSOL	<0.6	<0.6	<0.6 NA	<0.6	<0.6	<0.6 NA	<0.6	<0.6	<0.6	<0.6	<0.6
4-CHLORO-3-METHYLPHENOL	<0.4	<0.4	<0.4 <0.22	<0.4	<0.4	<0.4 <0.22	<0.4	<0.4	<0.4	<0.4	<0.4
2-CHLOROPHENOL	<0.5	<0.5	<0.5 <0.22	<0.5	<0.5	<0.5 <0.22	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-DICHLOROPHENOL	<0.5	<0.5	<0.5 <0.22	<0.5	<0.5	<0.5 <0.22	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-DIMETHYLPHENOL	<0.8	<0.8	<0.8 <0.22	<0.8	<0.8	<0.8 <0.22	<0.8	<0.8	<0.8	<0.8	<0.8
2,4-DINITROPHENOL	<2.6	<2.6	<2.6 <1.1	<2.6	<2.6	<2.6 <1.1	<2.6	<2.6	<2.6	<2.6	<2.6
2-METHYL-4,6-DINITROPHENOL	<1.9	<1.9	<1.9 <1.1	<1.9	<1.9	<1.9 <1.1	<1.9	<1.9	<1.9	<1.9	<1.9
2-NITROPHENOL	<0.5	<0.5	<0.5 <0.22	<0.5	<0.5	<0.5 <0.22	<0.5	<0.5	<0.5	<0.5	<0.5
4-NITROPHENOL	<4.2	<4.2	<4.2 <1.1	<4.2	<4.2	<4.2 <0.22	<4.2	<4.2	<4.2	<4.2	<4.2
PENTACHLOROPHENOL	<1.8	<1.8	<1.8 <1.1	<1.8	<1.8	<1.8 <1.1	<1.8	<1.8	<1.8	<1.8	<1.8
PHENOL	<0.7	<0.7	<0.7 <0.22	<0.7	<0.7	<0.7 <0.22	<0.7	<0.7	<0.7	<0.7	<0.7
2,4,6-TRICHLOROPHENOL	<0.1	<0.1	<0.1 <0.22	<0.1	<0.1	<0.1 <0.22	<0.1	<0.1	<0.1	<0.1	<0.1
TOTAL PHENOLS (ppm)	ND	ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND	ND
RESORCINOL (ppm)	<1	<1	<1 <0.73	<1	<1	<1 <0.67	<1	<1	<1	<1	<1
ANILINE (ppm)	<0.7	<0.7	<0.7 <0.22	<0.7	<0.7	<0.7 <0.2	<0.7	<0.7	<0.7	<0.7	<0.7
FURFURAL (ppm)	<0.7	<0.7	<0.7 <1.1	<0.7	<0.7	<0.7 <1	<0.7	<0.7	<0.7	<0.7	<0.7
FORMALDEHYDE (ppm)	3.8	<0.2	0.5 <0.052	1.2	<0.2	0.7 0.26	0.8	1.7	<0.2	<0.2	<0.2
PCBs (ppm)											
AROCHLOR-1016	NR	NR	NR <0.89	NR	NR	NR <0.44	NR	NR	NR	NR	NR
AROCHLOR-1221	NR	NR	NR <0.89	NR	NR	NR <0.44	NR	NR	NR	NR	NR
AROCHLOR-1232	NR	NR	NR <0.89	NR	NR	NR <0.44	NR	NR	NR	NR	NR
AROCHLOR-1242	NR	NR	NR <0.89	NR	NR	NR 1.3	NR	NR	NR	NR	NR
AROCHLOR-1248	NR	NR	NR <0.89	NR	NR	NR <0.44	NR	NR	NR	NR	NR
AROCHLOR-1254	NR	NR	NR <0.89	NR	NR	NR <0.44	NR	NR	NR	NR	NR
AROCHLOR-1260	NR	NR	NR <0.89	NR	NR	NR <0.44	NR	NR	NR	NR	NR
TOTAL PCBs (ppm)	<0.2	<0.2	<0.2 ND	<0.2	0.2	2.5 1.3	<0.2	<0.2	0.2	<0.2	<0.2
METALS (ppm)											
ARSENIC	<10	<10	<10 11	<10	<10	<10 7.9	<10	<10	<10	<10	<10
BARIUM	38	75.3	35.7 52	34.9	90.3	65.4 80	51.3	35.8	38.7	39.6	47.2
CADMIUM	4.5	4.5	5.1 <0.50	4.7	5.8	5.8 <0.50	5.8	4.9	6.4	6	5.5
CHROMIUM	13.1	11.4	16.8 29	13.2	14.8	16.2 16	15.1	12.7	16.3	14.1	12.9
LEAD	18.3	20.5	27.5 15	20.7	29.6	27.5 13	22.4	21	29.1	23.1	21.3
MERCURY	<0.2	<0.2	<0.2 0.038	<0.2	<0.2	<0.2 0.029	<0.2	<0.2	<0.2	<0.2	<0.2
SELENIUM	5.2	4.7	5.3 0.17	4.2	15.3	20.4 0.15	16.7	10.3	17	16.2	15

NOTES: N/A NOT ANALYZED
 ND NOT DETECTED
 BOLD COMPOUND DETECTED
 (METALS EXCLUDED)
 NR NOT REPORTED
 SEPARATELY

Borden -
SLES -

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-35 (CONTINUED)
DIRTY WATER SEWER SOIL ANALYSIS

SOIL SAMPLE	SV-8B		SV-8C	SV-9A	SV-9B	SV-9C	SV-10A	SV-10B	SV-10C		SV-11A		SV-11B
LAB ANALYZING SAMPLE	BORDEN	SLES	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	SLES	BORDEN	SLES	BORDEN
VOLATILE ORGANIC COMPOUNDS (ppm)													
BENZENE	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0057	<0.005	<0.005	<0.005
BENZYL CHLORIDE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
BROMOBENZENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
BROMODICHLOROMETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
BROMOFORM	NA	<0.025	NA	NA	NA	NA	NA	NA	NA	<0.029	NA	<0.025	NA
BROMOMETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
CARBON TETRACHLORIDE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
CHLOROBENZENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
CHLOROETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
CHLOROFORM	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1-CHLOROHXANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
2-CHLOROETHYL VINYL ETHER	NA	<0.051	NA	NA	NA	NA	NA	NA	NA	<0.057	NA	<0.050	NA
CHLOROMETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
CHLOROTOLUENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
DBROMOCHLOROMETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
DIBROMOMETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,2-DICHLOROBENZENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,3-DICHLOROBENZENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,4-DICHLOROBENZENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
DICHLORODIFLUOROMETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,1-DICHLOROETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,2-DICHLOROETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,1-DICHLOROETHENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,2-DICHLOROETHENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
DICHLOROMETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,2-DICHLOROPROPANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,3-DICHLOROPROPENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
ETHYLBENZENE	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0057	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,1,1,2-TETRACHLOROETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
TETRACHLOROETHENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
TOLUENE	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0057	<0.005	<0.005	<0.005
1,1,1-TRICHLOROETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,1,2-TRICHLOROETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
TRICHLOROETHENE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
TRICHLOROFUOROMETHANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
1,2,3-TRICHLOROPROPANE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
VINYL CHLORIDE	NA	<0.0051	NA	NA	NA	NA	NA	NA	NA	<0.0057	NA	<0.005	NA
XYLENES	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0057	<0.005	<0.005	<0.005
2-BUTANONE (MEK)	<0.025	<0.051	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.057	<0.025	<0.050	<0.025
TOTAL VOCs (ppm)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENOLS (ppm)													
CRESOL	<0.6	NA	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	NA	<0.6	NA	<0.6
4-CHLORO-3-METHYLPHENOL	<0.4	<0.21	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.23	<0.4	<0.210	<0.4
2-CHLOROPHENOL	<0.5	<0.21	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.23	<0.5	<0.210	<0.5
2,4-DICHLOROPHENOL	<0.5	<0.21	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.23	<0.5	<0.210	<0.5
2,4-DIMETHYLPHENOL	<0.8	<0.21	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.23	<0.8	<0.210	<0.8
2,4-DINITROPHENOL	<2.6	<1.06	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<1.2	<2.6	<1.060	<2.6
2-METHYL-4,6-DINITROPHENOL	<1.9	<1.06	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.2	<1.9	<1.060	<1.9
2-NITROPHENOL	<0.5	<0.21	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.23	<0.5	<0.210	<0.5
4-NITROPHENOL	<4.2	<0.21	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<0.23	<4.2	<1.060	<4.2
PENTACHLOROPHENOL	<1.8	<1.06	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.2	<1.8	<1.060	<1.8
PHENOL	<0.7	<0.21	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.23	<0.7	<0.210	<0.7
2,4,6-TRICHLOROPHENOL	<0.1	<0.21	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.23	<0.1	<0.210	<0.1
TOTAL PHENOLS (ppm)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RESORCINOL (ppm)	<1	<0.65	<1	<1	<1	<1	<1	<1	<1	<1.4	<5	<0.710	<5
ANILINE (ppm)	<0.7	<0.2	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.2	<0.7	<0.210	<0.7
FURFURAL (ppm)	<0.7	<1	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<1	<1	<1.060	<1
FORMALDEHYDE (ppm)	0.3	<0.05	<0.4	0.5	0.5	0.9	1.4	0.6	<0.4	0.3	<0.4	0.79	1
PCBs (ppm)													
AROCHLOR-1016	NR	<0.085	NR	NR	NR	NR	NR	NR	NR	<0.28	NR	<0.085	NR
AROCHLOR-1221	NR	<0.085	NR	NR	NR	NR	NR	NR	NR	<0.28	NR	<0.085	NR
AROCHLOR-1232	NR	<0.085	NR	NR	NR	NR	NR	NR	NR	<0.28	NR	<0.085	NR
AROCHLOR-1242	NR	<0.085	NR	NR	NR	NR	NR	NR	NR	0.72	NR	<0.085	NR
AROCHLOR-1248	NR	<0.085	NR	NR	NR	NR	NR	NR	NR	<0.28	NR	<0.085	NR
AROCHLOR-1254	NR	<0.085	NR	NR	NR	NR	NR	NR	NR	<0.28	NR	<0.085	NR
AROCHLOR-1260	NR	<0.085	NR	NR	NR	NR	NR	NR	NR	<0.28	NR	<0.085	NR
TOTAL PCBs (ppm)	<0.2	ND	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	ND	<0.1	ND	0.4
METALS (ppm)													
ARSENIC	<10	12	<10	<10	<10	<10	<10	<10	<10	6	<10	9.1	<10
BARIUM	42.2	35	47.3	31.3	47.8	35.2	48.8	61.8	44.7	46	59.8	60	79.5
CADMIUM	7.4	<0.50	7	6.7	5.6	14.7	4.1	3.7	4.5	<0.50	5	<0.50	4.4
CHROMIUM	18.7	18	17.1	17.2	14.3	5.7	10.1	11.3	12.4	16	15	16	12.6
LEAD	32.6	16	29	28.4	26.4	25.9	20.2	34	27.1	19	22.8	16	21.3
MERCURY	<0.2	0.066	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.032	<0.2	0.022	<0.2
SELENIUM	22.3	0.12	22.7	26.3	4.6	4.1	2	1.4	3.1	0.27	10.7	0.083	10.3

NOTES N A NOT ANALYZED
 ND NOT DETECTED
 BOLD COMPOUND DETECTED
 (METALS EXCLUDED)
 NR NOT REPORTED
 SEPARATELY

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-35 (CONTINUED)
DIRTY WATER SEWER SOIL ANALYSIS

SOIL SAMPLE	SV-11C	SV-12A	SV-12B	SV-12C	SV-13A	SV-13B	SV-13C		SV-14A	SV-14B	SV-14C	SV-15A	SV-15B	SV-15C
LAB ANALYZING SAMPLE	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	SLES	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN
VOLATILE ORGANIC COMPOUNDS (ppm)														
BENZENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0056	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BENZYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	<0.028	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1-CHLOROHEXANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	<0.056	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
DICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0056	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
TOLUENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0056	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
TRICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	<0.0056	NA	NA	NA	NA	NA	NA
XYLENES	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0056	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-BUTANONE (MEK)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.056	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
TOTAL VOCs (ppm)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENOLS (ppm)														
CREOSOL	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	NA	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
4-CHLORO-3-METHYLPHENOL	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.240	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
2-CHLOROPHENOL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.240	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-DICHLOROPHENOL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.240	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-DIMETHYLPHENOL	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.240	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
2,4-DINITROPHENOL	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<1.20	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
2-METHYL-4,6-DINITROPHENOL	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.20	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
2-NITROPHENOL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.240	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-NITROPHENOL	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<1.20	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
PENTACHLOROPHENOL	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.20	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
PHENOL	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.240	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
2,4,6-TRICHLOROPHENOL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.240	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TOTAL PHENOLS (ppm)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RESORCINOL (ppm)	<5	<5	<5	<5	<5	<5	<5	<0.8	<5	<5	<5	<5	<5	<5
ANILINE (ppm)	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.24	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
FURFURAL (ppm)	<1	<1	<1	<1	<1	<1	<1	<1.2	<1	<1	<1	<1	<1	<1
FORMALDEHYDE (ppm)	1.2	1	<0.4	<0.4	<0.4	<0.4	<0.4	0.14	1.4	1.2	11.2	9.7	1.6	0.4
PCBs (ppm)														
AROCHLOR-1016	NR	NR	NR	NR	NR	NR	NR	<0.096	NR	NR	NR	NR	NR	NR
AROCHLOR-1221	NR	NR	NR	NR	NR	NR	NR	<0.096	NR	NR	NR	NR	NR	NR
AROCHLOR-1232	NR	NR	NR	NR	NR	NR	NR	<0.096	NR	NR	NR	NR	NR	NR
AROCHLOR-1242	NR	NR	NR	NR	NR	NR	NR	0.11	NR	NR	NR	NR	NR	NR
AROCHLOR-1248	NR	NR	NR	NR	NR	NR	NR	<0.096	NR	NR	NR	NR	NR	NR
AROCHLOR-1254	NR	NR	NR	NR	NR	NR	NR	<0.096	NR	NR	NR	NR	NR	NR
AROCHLOR-1260	NR	NR	NR	NR	NR	NR	NR	<0.096	NR	NR	NR	NR	NR	NR
TOTAL PCBs (ppm)	0.1	<0.1	<0.2	0.6	<0.1	1.6	0.4	0.11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
METALS (ppm)														
ARSENIC	<10	<10	<10	<10	<10	<10	<10	5.3	<10	<10	<10	<10	<10	<10
BARIUM	60.5	41.1	35.8	45.3	38.6	41.9	41.5	48	31.7	49.9	28.4	22	27	36.4
CADMIUM	5.4	5.2	5.9	5.3	4.4	4	3.7	<0.50	5.2	5.6	3.8	3	4.1	5.3
CHROMIUM	13.9	14	15.3	14.5	11.8	11.4	11.1	16	12.8	14.2	10	7.4	10.9	12.5
LEAD	21	20.8	20.5	19	18.8	20.2	16.7	11	20.9	24.3	19	12.4	19.1	22.2
MERCURY	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.025	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SELENIUM	13.2	11.7	12.1	10.7	8.2	7	5.1	0.12	6.2	8	5.5	4.4	5.6	5.3

NOTES: N A NOT ANALYZED
 N D NOT DETECTED
 BOLD COMPOUND DETECTED
 (METALS EXCLUDED)
 NR NOT REPORTED
 SEPARATELY

*Borden -
SLES -*

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-35 (CONTINUED)
DIRTY WATER SEWER SOIL ANALYSIS

SOIL SAMPLE	SV-16A	SV-16B	SV-16C	SV-17A	SV-17B	SV-17C	SV-18A	SV-18B	SV-18C
LAB ANALYZING SAMPLE	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN	BORDEN
VOLATILE ORGANIC COMPOUNDS (ppm)									
BENZENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BENZYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-CHLOROHEXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	<0.005	<0.005	<0.005	0.008	0.009	<0.005	0.021	0.214	<0.005
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
XYLENES	<0.005	<0.005	<0.005	0.011	NA	<0.005	<0.005	<0.005	<0.005
2-BUTANONE (MEK)	<0.025	<0.025	<0.025	0.051	0.038	<0.025	<0.025	<0.025	<0.025
TOTAL VOCs (ppm)	ND	ND	ND	0.07	0.047	ND	0.021	0.22	ND
PHENOLS (ppm)									
CREOSOL	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
4-CHLORO-3-METHYLPHENOL	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
2-CHLOROPHENOL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-DICHLOROPHENOL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-DIMETHYLPHENOL	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
2,4-DINITROPHENOL	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
2-METHYL-4,6-DINITROPHENOL	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
2-NITROPHENOL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-NITROPHENOL	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
PENTACHLOROPHENOL	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
PHENOL	<0.7	<0.7	<0.7	1	<0.7	<0.7	<0.7	0.6	<0.7
2,4,6-TRICHLOROPHENOL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TOTAL PHENOLS (ppm)	ND	ND	ND	1	ND	ND	ND	0.6	ND
RESORCINOL (ppm)	<5	<5	<5	<5	<5	<5	<5	<5	<5
ANILINE (ppm)	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
FURFURAL (ppm)	<1	<1	<1	<1	<1	<1	<1	<1	<1
FORMALDEHYDE (ppm)	1.2	<0.4	4.8	0.6	0.6	3.9	<0.4	<0.4	<0.4
PCBs (ppm)									
AROCHLOR-1016	NR	NR	NR	NR	NR	NR	NR	NR	NR
AROCHLOR-1221	NR	NR	NR	NR	NR	NR	NR	NR	NR
AROCHLOR-1232	NR	NR	NR	NR	NR	NR	NR	NR	NR
AROCHLOR-1242	NR	NR	NR	NR	NR	NR	NR	NR	NR
AROCHLOR-1248	NR	NR	NR	NR	NR	NR	NR	NR	NR
AROCHLOR-1254	NR	NR	NR	NR	NR	NR	NR	NR	NR
AROCHLOR-1260	NR	NR	NR	NR	NR	NR	NR	NR	NR
TOTAL PCBs (ppm)	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	0.4	0.3	0.3
METALS (ppm)									
ARSENIC	<10	<10	<10	<10	<10	<10	<10	<10	<10
BARIUM	42	17.8	14.3	30.1	28.7	28.9	35.6	36.3	33.5
CADMIUM	4.9	3.4	2.8	3.5	3.4	3.9	4.3	4.1	4.3
CHROMIUM	11.9	9	8.3	8.9	9.5	10.7	11.4	11.6	14.1
LEAD	23	14.4	13.4	19.1	17.1	18.9	25.8	26.1	28.2
MERCURY	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SELENIUM	6.6	5	1.4	3.8	3.1	4.6	6.9	5.2	7.9

NOTES N/A NOT ANALYZED
 ND NOT DETECTED
 BOLD COMPOUND DETECTED
 (METALS EXCLUDED)
 NR NOT REPORTED
 SEPARATELY

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BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-36

PHOTOIONIZATION DETECTOR RESULTS (ppm) FOR PHENOL RECOVERY AREA GRID

DEPTH (FEET)	2	4	6	8	10
<u>GRID LOCATION</u>					
Y	BDL	BDL	1	NA	1
X	BDL	BDL	BDL	NA	2
W	BDL	NA	BDL	NA	1
V	BDL	2	1	NA	1.4
U	NA	0.5	0.9	NA	0.8
T	NA	0.8	0.8	NA	0.8
S	NA	BDL	BDL	NA	11.1
O	NA	35	8	NA	26
N	NA	5	31	NA	21
M	NA	1.5	NA	NA	4.6
L L	2	3	28	NA	NA
L	NA	NA	31	NA	27
K	NA	BDL	33	NA	96
J	NA	BDL	17	NA	22
I	6	2	1	NA	20
H	NA	30	509	NA	13
HH	NA	BDL	3	NA	3
GG	NA	<1	1	NA	1
G	NA	3	23	NA	21
F	17	4	8	NA	103
E	BDL	<1	14	NA	108
D	74	133	32	NA	13
C	888	241	1249	1013	900
B	9.3	107	1939	NA	1847
A	0.4	1700	NA	>2000	1940
ZZ	NA	BDL	NA	NA	1.5
BB	NA	0.9	5	NA	BDL
DD	NA	BDL	0.4	NA	4.2
FF	NA	BDL	0.4	NA	BDL

NOTE: NA INDICATES THAT SAMPLE WAS NOT ANALYZED

BDL INDICATES BELOW DETECTION LIMIT

** not collected at a certain location where
~~due to recent re-grading of shallow soil~~
 is imported backfill placed after waste
 removal*

BORDEN, INC. - BAINBRIDGE, NEW YORK
TABLE 4-37
SUPPLEMENTAL SOILS - PHENOL RECOVERY AREA

MONITORING WELLS	PHENOL RECOVERY AREA			LABORATORY BLANKS
	MW-28 S-4	MW-29 S-4	MW-30 S-4	
AROMATIC VOLATILES (B020) (ppb)				
BENZENE	<5.7	<130	<5.2	<5
CHLOROBENZENE	23	<130	<5.2	<5
1,2-DICHLOROBENZENE	<5.7	<130	<5.2	<5
1,3-DICHLOROBENZENE	<5.7	<130	<5.2	<5
1,4-DICHLOROBENZENE	90	4600	<5.2	<5
ETHYLBENZENE	51	890	<5.2	<5
TOLUENE	180	73000	<5.2	<5
XYLENES	19	3100	<5.2	<5
2-BUTANONE (MEK)	<57	<1300	<52	NA
TOTAL	363	81,590	BDL	BDL
PHENOLS (B040) (ppb)				
4-CHLORO-3-METHYLPHENOL	<200	<2000	<200	<200
2-CHLOROPHENOL	<200	<2000	<200	<200
2,4-DICHLOROPHENOL	<200	<2000	<200	<200
2,4-DIMETHYLPHENOL	<200	<2000	<200	<200
2,4-DINITROPHENOL	<1000	<10000	<1000	<1000
2-METHYL-4,6-DINITROPHENOL	<1000	<10000	<1000	<1000
2-NITROPHENOL	<200	<2000	<200	<200
4-NITROPHENOL	<200	<2000	<200	<200
PENTACHLOROPHENOL	<1000	<10000	<1000	<1000
PHENOL	<200	<2000	<200	<200
2,4,6-TRICHLOROPHENOL	<200	<2000	<200	<200
TOTAL	BDL	BDL	BDL	BDL
CREOSOL (ORTHO) (ppb)				
	<200	<2000	<200	<200
CREOSOL M & P (ppb)				
	<200	<2000	<200	<200
RESORCINOL (ppb)				
	<770	<740	<700	<670
ANILINE (ppb)				
	<200	<2000	<200	<200
FURFURAL (ppb)				
	<1000	<10000	<1000	<1000
FORMALDEHYDE (HPLC) (ppb)				
	2600	5100	59	<50
PCBs (ppb)				
AROCLOR-1016	<92	<89	<170	<80
AROCLOR-1221	<92	<89	<170	<80
AROCLOR-1232	<92	<89	<170	<80
AROCLOR-1242	<92	<89	<170	<80
AROCLOR-1248	<92	<89	<170	<80
AROCLOR-1254	<92	<89	<170	<80
AROCLOR-1260	<92	<89	<170	<80
TOTAL	BDL	BDL	BDL	BDL
METALS (ppm)				
ANTIMONY	NA	NA	NA	<0.01
ARSENIC	7.2	11	9.3	<0.05
BARIUM	42	84	64	<0.5
BERYLLIUM	NA	NA	NA	NA
CADMIUM	<0.5	<0.5	<0.5	<0.5
CHROMIUM	15	21	20	<0.5
COPPER	NA	NA	NA	NA
LEAD	14	15	28	<0.5
MERCURY	0.026	0.032	0.025	<0.005
NICKEL	NA	NA	NA	NA
SELENIUM	0.24	0.2	0.13	<0.5
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PURGEABLES B010 (ppb)				
BENZYL CHLORIDE	<5.7	<130	<5.2	<5
BROMOBENZENE	<5.7	<130	<5.2	<5
BROMODICHLOROMETHANE	<5.7	<130	<5.2	<5
BROMOFORM	<29	<650	<28	<25
BROMOMETHANE	<5.7	<130	<5.2	<5
CARBON TETRACHLORIDE	<5.7	<130	<5.2	<5
CHLOROETHANE	<5.7	<130	<5.2	<5
CHLOROFORM	<5.7	<130	<5.2	<5
1-CHLOROHXANE	<5.7	<130	<5.2	<5
2-CHLOROETHYL VINYL ETHER	<57	<1300	<52	<50
CHLOROMETHANE	<5.7	<130	<5.2	<5
CHLOROTOLUENE	<5.7	<130	<5.2	<5
DIBROMOCHLOROMETHANE	<5.7	<130	<5.2	<5
DIBROMOMETHANE	<5.7	<130	<5.2	<5
DICHLORODIFLUOROMETHANE	<5.7	<130	<5.2	<5
1,1-DICHLOROETHANE	<5.7	<130	<5.2	<5
1,2-DICHLOROETHANE	<5.7	<130	<5.2	<5
1,1-DICHLOROETHENE	<5.7	<130	<5.2	<5
1,2-DICHLOROETHENE	<5.7	<130	<5.2	<5
DICHLOROMETHANE (METHYLENE CHLORIDE)	<5.7	<130	<5.2	<5
1,2-DICHLOROPROPANE	<5.7	<130	<5.2	<5
1,3-DICHLOROPROPYLENE	<5.7	<130	<5.2	<5
1,1,2,2-TETRACHLOROETHANE	<5.7	<130	<5.2	<5
1,1,1,2-TETRACHLOROETHANE	<5.7	<130	<5.2	<5
TETRACHLOROETHENE	<5.7	<130	<5.2	<5
1,1,1-TRICHLOROETHANE	<5.7	<130	<5.2	<5
1,1,2-TRICHLOROETHANE	<5.7	<130	<5.2	<5
TRICHLOROETHENE	<5.7	<130	<5.2	<5
TRICHLOROFUOROMETHANE	<5.7	<130	<5.2	<5
1,2,3-TRICHLOROPROPANE	<5.7	<130	<5.2	<5
VINYL CHLORIDE	<5.7	<130	<5.2	<5
TOTAL	BDL	BDL	BDL	BDL

NOTES: NA - not analyzed
BDL - below laboratory detection limit

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-38

UST SOIL ANALYTICAL RESULTS

SAMPLE ID	SAMPLE LOCATION	BENZENE (ppb)	ETHYL-BENZENE (ppb)	TOLUENE (ppb)	XYLENES (ppb)	TOTAL PETROLEUM HYDROCARBONS (ppm)	NAPHTHALENE (ppb)
SS-1	SIDEWALL	BDL	BDL	BDL	BDL	18	NA
SS-2	SIDEWALL	BDL	BDL	BDL	BDL	22	NA
ES-1	EXCAVATED SOIL	BDL	BDL	BDL	BDL	30	NA
ES-2	EXCAVATED SOIL	BDL	200	BDL	BDL	89 37	NA
MAXIMUM CONTAMINANT LEVEL		5	700	1000	10000	NA	14000 (1)

NOTES: BDL BELOW LABORATORY DETECTION LIMIT
NA NOT ANALYZED OR NOT APPLICABLE

(1) FROM DOCKET REPORT ON HEALTH-BASED REGULATORY LEVELS AND SOLUBILITIES USED IN THE
EVALUATION OF DELISTING PETITIONS... CONTRACT No. 68-01-7624, OFFICE OF SOLID WASTE,
USEPA, APRIL 1988

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-39

PCB AREA EXCAVATION ANALYSIS

sampling date 2/6/92

4/9/92

SOIL SAMPLE	V-1 SOIL	V-2 SOIL	V-3 SOIL	V-4 SOIL	V-5 SOIL	V-6 SOIL
LAB ANALYZING SAMPLE		BORDEN	SLES			
VOLATILE ORGANIC COMPOUNDS (ppm)						
BENZENE	<0.005	<0.005	<0.0054	<0.005	<0.005	<0.005
BENZYL CHLORIDE	NA	NA	<0.0054	NA	NA	NA
BROMOBENZENE	NA	NA	<0.0054	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	<0.0054	NA	NA	NA
BROMOFORM	NA	NA	<0.0054	NA	NA	NA
BROMOMETHANE	NA	NA	<0.0054	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	<0.0054	NA	NA	NA
CHLOROBENZENE	NA	NA	<0.0054	NA	NA	NA
CHLOROETHANE	NA	NA	<0.0054	NA	NA	NA
CHLOROFORM	NA	NA	<0.0054	NA	NA	NA
1-CHLOROHEXANE	NA	NA	<0.0054	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	<0.0054	NA	NA	NA
CHLOROMETHANE	NA	NA	<0.0054	NA	NA	NA
CHLOROTOLUENE	NA	NA	<0.0054	NA	NA	NA
DIBROMOCHLOROMETHANE	NA	NA	<0.0054	NA	NA	NA
DIBROMOMETHANE	NA	NA	<0.0054	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	<0.0054	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	<0.0054	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	<0.0054	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	<0.0054	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	<0.0054	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	<0.0054	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	<0.0054	NA	NA	NA
1,2-DICHLOROETHENE	NA	NA	<0.0054	NA	NA	NA
DICHLOROMETHANE	NA	NA	<0.0054	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	<0.0054	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	<0.0054	NA	NA	NA
ETHYLBENZENE	<0.005	<0.005	<0.0054	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	NA	NA	<0.0054	NA	NA	NA
1,1,1,2-TETRACHLOROETHANE	NA	NA	<0.0054	NA	NA	NA
TETRACHLOROETHENE	NA	NA	<0.0054	NA	NA	NA
TOLUENE	<0.005	<0.005	<0.0054	<0.005	<0.005	<0.005
1,1,1-TRICHLOROETHANE	NA	NA	<0.0054	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	<0.0054	NA	NA	NA
TRICHLOROETHENE	NA	NA	<0.0054	NA	NA	NA
TRICHLORODIFLUOROMETHANE	NA	NA	<0.0054	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	<0.0054	NA	NA	NA
VINYL CHLORIDE	NA	NA	<0.0054	NA	NA	NA
XYLENES	<0.005	<0.005	<0.0054	<0.005	<0.005	<0.005
2-BUTANONE (MEK)	<0.025	<0.025	<0.010	<0.025	<0.025	<0.025
TOTAL VOCs (ppm)	ND	ND	ND	ND	ND	ND
PHENOLS (ppm)						
CRESOL	<0.6	<0.6	NA	<0.6	<0.6	<0.6
4-CHLORO-3-METHYLPHENOL	<0.4	<0.4	<0.22	<0.4	<0.4	<0.4
2-CHLOROPHENOL	<0.5	<0.5	<0.22	<0.5	<0.5	<0.5
2,4-DICHLOROPHENOL	<0.5	<0.5	<0.22	<0.5	<0.5	<0.5
2,4-DIMETHYLPHENOL	<0.8	<0.8	<0.22	<0.8	0.7	<0.8
2,4-DINITROPHENOL	<2.6	<2.6	<1.1	<2.6	<2.6	<2.6
2-METHYL-4,6-DINITROPHENOL	<1.9	<1.9	<1.1	<1.9	<1.9	<1.9
2-NITROPHENOL	<0.5	<0.5	<0.22	<0.5	<0.5	<0.5
4-NITROPHENOL	<4.2	<4.2	<0.22	<4.2	<4.2	<4.2
PENTACHLOROPHENOL	<1.8	<1.8	<1.1	<1.8	<1.8	<1.8
PHENOL	<0.7	<0.7	<0.22	<0.7	<0.7	1
2,4,6-TRICHLOROPHENOL	<0.1	<0.1	<0.22	<0.1	<0.1	<0.1
TOTAL PHENOLS (ppm)	ND	ND	ND	ND	0.7	1
RESORCINOL (ppm)	<5	<5	<0.72	<5	<5	<5
ANILINE (ppm)	<0.7	<0.7	<0.22	<0.7	<0.7	<0.7
FURFURAL (ppm)	<1	<1	<1.1	<1	<1	<1
FORMALDEHYDE (ppm)	13.2	<0.4	<0.056	0.8	1.6	6.7
PCBs (ppm)						
AROCHLOR-1016	NR	NR	<0.086	NR	NR	NR
AROCHLOR-1221	NR	NR	<0.086	NR	NR	NR
AROCHLOR-1232	NR	NR	<0.086	NR	NR	NR
AROCHLOR-1242	NR	NR	100	NR	NR	NR
AROCHLOR-1248	NR	NR	<0.086	NR	NR	NR
AROCHLOR-1254	NR	NR	<0.086	NR	NR	NR
AROCHLOR-1260	NR	NR	<0.086	NR	NR	NR
TOTAL PCBs (ppm)	286	731	100	301.9	113.2	9.2
METALS (ppm)						
ARSENIC	<10	<10	9.8	<10	<10	<10
BARIUM	22.9	48	64	35.8	23.3	50
CADMIUM	4.8	5.2	<0.50	2.4	1.9	2.8
CHROMIUM	10	9.1	7.6	13	11.8	14.4
LEAD	14	20.7	14	8.1	<10	<10
MERCURY	<0.2	<0.2	0.029	<0.2	<0.2	<0.2
SELENIUM	7.4	8.3	0.36	<10	<10	<10

NOTES N/A NOT ANALYZED
 ND NOT DETECTED
 BOLD COMPOUND DETECTED
 (METALS EXCLUDED)
 NR NOT REPORTED
 SEPARATELY
 IS INSUFFICIENT SAMPLE

** Based upon inconsistencies in split sample results, concentrations are estimates

Borden -
 SLES -

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-40

SUMMARY OF TOTAL CONTAMINANT CONCENTRATIONS
AND CORRESPONDING EP TOXICITY LEACHATE* RESULTS

SAMPLE	PARAMETER	TOTAL	EXTRACT	LEACHING FRACTION	SAMPLE	PARAMETER	TOTAL	EXTRACT	LEACHING FRACTION
Lagoon-2	Cadmium	300 ppb	3.6 ppb	0.012	Boneyard-1	Cresol	20.2 ppm	<0.2 ppm	<0.0099
	Formaldehyde	4 ppm	0.1 ppm	0.025		Formaldehyde	9.5 ppm	0.18 ppm	0.0189
	MEK	0.8 ppm	6 ppb	0.0075		Phenol	2.7 ppm	<0.3 ppm	<0.11
	Selenium	0.8 ppm	1 ppb	0.00125		Toluene	0.2 ppm	3 ppb	0.015
	PCB	3.0 ppm	<0.5 ppb	<0.000167		PCB	0.4 ppm	0.52 ppb	0.0013
Lagoon-3	Cadmium	220 ppb	3.2 ppb	0.0145	Boneyard-2	Formaldehyde	20.1 ppm	0.58 ppm	0.029
	Formaldehyde	5 ppm	<0.05 ppm	<0.01		Lead	78.7 ppm	1 ppb	0.000013
	Mercury	0.3 ppm	<0.2 ppb	<0.00067		PCB	2390 ppm	1.2 ppb	0.0000005
	Selenium	0.7 ppm	1 ppb	0.00143		Formaldehyde	9.9 ppm	0.63 ppm	0.064
	PCB	2.4 ppm	<0.5 ppb	<0.00021		Phenol	12.8 ppm	<0.3 ppm	<0.0234
Lagoon-4	Cadmium	210 ppb	1.9 ppb	0.009	Boneyard-3	PCB	44 ppm	0.5 ppb	0.0000113
	Formaldehyde	8 ppm	0.44 ppm	0.055		Barium	366 ppm	228 ppb	0.0008
	Phenol	9.9 ppm	<0.3 ppm	<0.03		Cresol	5.8 ppm	<0.2 ppm	<0.0345
	Selenium	0.7 ppm	1 ppb	0.00143		Formaldehyde	15.9 ppm	0.3 ppm	0.019
	PCB	9.3 ppm	<0.5 ppb	<0.000054		Phenol	71.3 ppm	<0.3 ppm	<0.0042
Lagoon-7	Cadmium	290 ppb	2 ppb	0.0069	Boneyard-14	Toluene	0.4 ppm	0.8 ppb	0.002
	MEK	1.3 ppm	8 ppb	0.006		PCB	66 ppm	<0.5 ppb	<0.0000075
	PCB	0.1 ppm	<0.5 ppb	<0.005		Formaldehyde	19.6 ppm	1.35 ppm	0.069
	Aniline	2 ppm	ND	--		Phenol	19.1 ppm	<0.3 ppm	<0.0157
	Cadmium	180 ppb	1.2 ppb	0.0067		Toluene	0.13 ppm	2 ppb	0.0154
Lagoon-11	Formaldehyde	8 ppm	0.19 ppm	0.0238	Boneyard-15	PCB	39 ppm	<0.5 ppb	<0.000013
	MEK	0.3 ppm	30 ppb	0.1		Formaldehyde	19.6 ppm	1.35 ppm	0.069
	PCB	7.8 ppm	<0.5 ppb	<0.00064		Phenol	19.1 ppm	<0.3 ppm	<0.0157
	PCB	0.2 ppm	<0.5ppb	<0.0026		Toluene	0.13 ppm	2 ppb	0.0154
	Mercury	0.3 ppm	<0.2 ppb	<0.00067		PCB	39 ppm	<0.5 ppb	<0.000013
CS-1	Toluene	0.2 ppm	ND	--					
CS-2	PCB	16 ppm	<0.5 ppb	<0.00003					

NOTE:

ND - Not Detected
* - EP TOXICITY TESTING PROCEDURES SET FORTH IN 40 CFR-PART 261, APPENDIX II
ACETIC ACID WAS SUBSTITUTED WITH SHALLOW GROUNDWATER FROM THE SITE
SOILS SAMPLED 1984.
DATA PRESENTED IN "DATA SUMMARY", T. M. GATES, INC., SUBMITTED JULY 1987.

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-41

AVERAGE LEACHATE FRACTION/PARTITION
COEFFICIENT

<u>PARAMETER</u>	<u>AVERAGE FRACTION</u>
FORMALDEHYDE	<0.035
2-BUTANONE (MEK)	<0.038
TOLUENE	<0.008
PHENOL	<0.037
PCB	<0.00084

AVERAGES FROM RESULTS REPORTED ON TABLE 4-40

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-42

1981 SURFACE WATER ABBREVIATED ANALYSIS AT SW-1

<u>PARAMETER</u>	<u>CONCENTRATION (ppm)</u>
<u>ORGANICS</u>	
CRESOL	0.578
METHANOL	0.26
PHENOL	0.474
TOLUENE	0.032
TOTAL PHENOLICS	0.84
TOTAL ORGANIC CARBON	8
<u>INORGANICS</u>	
AMMONIA (as N)	0.04
NITRATE/NITRITE (as N)	1.4
SODIUM	12.8
SULFATE	19
<u>METALS</u>	
ARSENIC	0.008
CHLORIDE	2
FLUORIDE	<0.5
MANGANESE	0.023
SELENIUM	0.007
<u>MISCELLANEOUS</u>	
CONDUCTANCE	100
pH	6.7

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-43

CONVERSE PHENOLIC ANALYSIS OF SURFACE WATER

DATE	SW-1 (ppm)	SW-2 (ppm)	SW-3 (ppm)	SW-4 (ppm)
3/7/78	0.84	--	--	--
5/17/78	0.2	<0.1	<0.1	--
5/18/78	0.4	<0.1	<0.1	
5/19/78	0.3	<0.1	<0.1	--
5/22/78	--	<0.1	<0.1	--
5/23/78	0.6	<0.1	<0.1	--
5/24/78	0.7	<0.1	0.1	--
5/25/78	0.031	1.057	0.026	--
5/26/78	<0.1	0.74	<0.1	--
5/27/78	0.2	<0.1	<0.1	--
5/28/78	1.6	<0.1	<0.1	--
4/29/81	0.6	0.6	--	0.4
4/30/81	0.2	0.1	--	0.4
5/1/81	2	--	--	1.2
5/4/81	1.5	0.6	--	1.5

NOTE: FROM CONVERSE/TenEch "SUMMARY REPORT INVESTIGATIONS, FINDINGS, AND RECOMMENDATIONS", 1981

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-44
CHEMICAL ANALYSIS OF RFI SURFACE WATER SAMPLES

SAMPLE ID	LOCATION	PCBs (ppb)	TOTAL PHENOLICS (ppb)	VOLATILE ORGANICS (1) (ppb)	PHENOLS (2) (ppb)	FORMALDEHYDE (ppb)	BARIUM (3) (ppm)
SW-1	EAST CREEK	< 0.50	< 0.010	NA	NA	NA	NA
SW-2	EAST CREEK	< 0.50	< 0.010	NA	NA	NA	NA
SW-3	EAST CREEK	< 0.50	< 0.010	BDL	BDL	BDL	0.026
SW-4	EAST CREEK	< 0.50	< 0.010	NA	NA	NA	NA
SW-5	WEST CREEK	NA	NA	NA	NA	NA	NA
SW-6	WEST CREEK	< 0.50	< 0.010	NA	NA	NA	NA
SW-7	WEST CREEK	< 0.50	< 0.010	BDL	BDL	BDL	0.034
SW-8	SUSQUEHANA	< 0.50	< 0.010	NA	NA	NA	NA
SW-9	SUSQUEHANA	< 0.50	< 0.010	BDL	BDL	BDL	0.021
SW-10	SUSQUEHANA	< 0.50	< 0.010	NA	NA	NA	NA

NOTES: NA - NOT ANALYZED.

BDL - ALL PARAMETERS IN THIS CATEGORY BELOW DETECTION LIMIT.

(1) - 8010/8020 CONSTITUENTS. HIGHEST DETECTION LIMIT 10 ppb.

(2) - 8040 CONSTITUENTS. HIGHEST DETECTION LIMIT 50 ppb.

(3) - ONLY METALS ENCOUNTERED ABOVE THE DETECTION LIMIT ARE REPORTED.

BORDEN, INC. - BAINBRIDGE, NEW YORK

TABLE 4-45

CHEMICAL ANALYSIS OF RFI SEDIMENT SAMPLES

SAMPLE ID	LOCATION	PCBs (ppb)	TOTAL PHENOLICS (ppb)	VOLATILE ORGANICS (1) (ppb)	PHENOLS (2) (ppb)	FORMALDEHYDE (ppb)	ARSENIC (3) (ppm)	BARIUM (ppm)	CADMIUM (ppm)	LEAD (ppm)	MERCURY (ppm)	SELENIUM (ppm)
SW-1	EAST CREEK	< 88	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-2	EAST CREEK	< 100	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-3	EAST CREEK	< 95	< 0.40	BDL	BDL	110	11	100	< 0.50	17	0.0058	0.14
SW-4	EAST CREEK	< 120	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-5	WEST CREEK	< 93	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-6	WEST CREEK	< 107	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-7	WEST CREEK	< 270	< 0.40	BDL	BDL	4200	11	67	0.54	43	0.028	0.34
RS-1	SUSQUEHANA	< 150	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
RS-2	SUSQUEHANA	< 98	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
RS-3	SUSQUEHANA	< 820	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
RS-4	SUSQUEHANA	490 (4)	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
RS-5	SUSQUEHANA	< 120	< 0.40	BDL	BDL	360	1.4	60	< 0.50	6.9	0.34	0.9

Condon

6

0.06

31

0.15

NA - NOT ANALYZED.
 BDL - ALL CONSTITUENTS IN THIS CATEGORY BELOW DETECTION LIMIT.
 (1) - 8010/8020 CONSTITUENTS. HIGHEST DETECTION LIMIT 77 ppb.
 (2) - 8040 CONSTITUENTS. HIGHEST DETECTION LIMIT 1700 ppb.
 (3) - ONLY METALS ENCOUNTERED ABOVE THE DETECTION LIMIT ARE REPORTED.
 (4) - AROCLOR-1242

TABLE 5-1

SUMMARY OF SUSQUEHANNA CHEMICAL/BIOLOGICAL DATA

LOCATION: CONFLUENCE OF UNADILLA AND SUSQUEHANNA SAMPLE DATE: 7/12/84		LOCATION: NY Rt 41 BRIDGE AT AFTON SAMPLE DATE: 7/18/84	
<u>PHYSICAL/CHEMICAL PARAMETER</u>		<u>PHYSICAL/CHEMICAL PARAMETER</u>	
FLOW (cfs)	556	FLOW (cfs)	NA
TEMPERATURE (C)	20.5	TEMPERATURE (C)	18.5
DISSOLVED OXYGEN (mg/l)	8.5	DISSOLVED OXYGEN (mg/l)	8.2
CONDUCTIVITY (umhos/cm)	122	CONDUCTIVITY (umhos/cm)	115
pH	6.55	pH	7.00
ALKALINITY (mg/l)	34.0	ALKALINITY (mg/l)	28.0
ACIDITY (mg/l)	7.5	ACIDITY (mg/l)	6.0
<u>BIOLOGICAL PARAMETER</u>		<u>BIOLOGICAL PARAMETER</u>	
MACROINVERTEBRATES		MACROINVERTEBRATES	
TAXA	21	TAXA	30
DIVERSITY INDEX	3.05	DIVERSITY INDEX	3.15
FISH		FISH	
NUMBER OF SPECIES	7	NUMBER OF SPECIES	12

NOTE: NA - NOT ANALYZED

SOURCE: "WATER QUALITY AND BIOLOGICAL SURVEY OF THE EASTERN HEADWATER SUBBASIN"
SUSQUEHANNA RIVER BASIN COMMISSION; NOVEMBER, 1985

del. Tbls 6.1 + 6.2
from pF1