

**Revised Addendum to Feasibility Study  
Inactive Landfill Site  
Webster, New York  
July 1988**

Prepared for:  
Xerox Corporation

5120 Butler Pike  
Plymouth Meeting  
Pennsylvania 19462  
215-825-3000  
Telex 846-343

## Woodward-Clyde Consultants

July 28, 1988  
85C2642-4

Xerox Corporation  
800 Phillips Road  
Building 317  
Webster, New York 14580

Attention: Mr. James C. MacKenzie, Director  
Xerox Corporate Environmental,  
Health and Safety

**REVISED ADDENDUM TO FEASIBILITY STUDY  
INACTIVE LANDFILL SITE  
WEBSTER, NEW YORK**

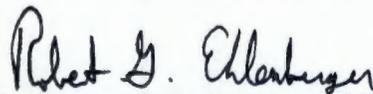
Gentlemen:

Woodward-Clyde Consultants (WCC) is pleased to re-issue this addendum to the Feasibility Study for the Inactive Landfill Site at your Webster, New York facility. This document has been prepared to address comments of the New York State Department of Environmental Conservation (NYSDEC), on the Addendum to Feasibility Study Report dated February 22, 1988. This report includes the database of surface water, soil and groundwater data requested by NYSDEC.

WCC sincerely appreciates the continued opportunity to provide consulting services to Xerox Corporation. If you have any comments or questions, please do not hesitate to call.

Very truly yours,

WOODWARD-CLYDE CONSULTANTS



Robert G. Ehlenberger, CPG  
Senior Project Hydrogeologist



Frank S. Waller, P.E.  
Principal

RGE/vbg/WM-16K

**RECEIVED**

**AUG 22 1988**

**SOLID WASTE  
D.E.C. REG. #8**

Consulting Engineers, Geologists  
and Environmental Scientists

Offices in Other Principal Cities



**REVISED ADDENDUM TO  
FEASIBILITY STUDY  
INACTIVE LANDFILL SITE  
XEROX CORPORATION  
WEBSTER, NEW YORK**

Submitted to:

**XEROX CORPORATION**

Webster, New York

Prepared by:

**WOODWARD-CLYDE CONSULTANTS**

Plymouth Meeting, Pennsylvania

July 1988

**TABLE OF CONTENTS**

	<u>Page Number</u>
1.0 INTRODUCTION . . . . .	1
2.0 SITE CONDITIONS . . . . .	2
2.1 GROUNDWATER CONTAMINATION . . . . .	2
2.2 REMEDIAL ACTION OBJECTIVES . . . . .	4
3.0 REMEDIAL ALTERNATIVE EVALUATION . . . . .	5
3.1 ALTERNATIVE DESCRIPTION . . . . .	5
3.2 TECHNICAL FEASIBILITY EVALUATION . . . . .	7
3.3 ENVIRONMENTAL EVALUATION . . . . .	7
3.4 ECONOMIC EVALUATION . . . . .	8
3.5 ESTIMATED CONCENTRATION OF TOTAL VOLATILE ORGANICS (TVO) IN RECOVERED GROUNDWATER . . . . .	8
4.0 MONITORING PROGRAM . . . . .	9
5.0 RECOMMENDED REMEDIAL ACTION . . . . .	10

LIST OF TABLES

	<u>Table Number</u>
TVO CONCENTRATION DATA SUMMARY, BEDROCK WELLS . . . . .	1
TVO CONCENTRATION DATA SUMMARY, BEDROCK/TILL INTERFACE WELLS . . . . .	2
TVO CONCENTRATION DATA SUMMARY, SHALLOW WELLS . . . . .	3
BACKGROUND TVO EVALUATION SUMMARY . . . . .	4
DETAILED COST ESTIMATE SUMMARY, ALTERNATIVE 7 . . . . .	5
SOURCE CONTROL ALTERNATIVES COMPARISON SUMMARY . . . . .	6

LIST OF FIGURES

	<u>Figure Number</u>
LOCATION MAP INACTIVE LANDFILL . . . . .	1
SCHEMATIC PLAN OF GROUNDWATER REMEDIAL FACILITIES ALTERNATIVE 7, INACTIVE LANDFILL SITE . . . . .	2
BEDROCK POTENTIOMETRIC CONTOUR MAP ALTERNATIVE 7 INACTIVE LANDFILL SITE . . . . .	3
NORTH-SOUTH CROSS SECTION A-A' - ALTERNATIVE 7 INACTIVE LANDFILL SITE . . . . .	4
SCHEMATIC CROSS-SECTION OF BLAST-ENHANCED ZONE INACTIVE LANDFILL SITE . . . . .	5

LIST OF ATTACHMENTS

	<u>Attachment Number</u>
DATABASE OF ANALYTICAL RESULTS, INACTIVE LANDFILL SITE . . . . .	1
INSTRUMENT SURVEY MAP . . . . .	2

**1.0 INTRODUCTION**

The Addendum to the April 1986 Feasibility Study Report for the inactive landfill site at Xerox's Webster, New York complex was prepared in response to the NYDEC review of that report. The comments were received during a December 23, 1987 meeting in the NYDEC Buffalo, New York offices.

At this meeting, NYDEC legal and technical representatives indicated general agreement with the overall remedial approach described in the April 1986 Feasibility Study Report. However, concern was voiced over the lack of remediation of the apparent bedrock groundwater contamination at the site for the recommended alternative.

Woodward-Clyde Consultants (WCC) was authorized by Xerox Corporation (Xerox) to prepare the Addendum to the April 11, 1986 Feasibility Study Report. As part of this effort, WCC evaluated groundwater quality data generated and reported by others since the 1986 Feasibility Study Report was prepared.

The purpose of the Addendum was to:

1. Respond to the NYDEC review comments on the Feasibility Study Report.
2. Evaluate additional environmental data collected by others since the Feasibility Study Report was prepared.
3. Develop and evaluate a supplemental remedial alternative that addresses the apparent bedrock groundwater contamination.

This Revised Addendum has been prepared to respond to comments of the NYSDEC in their letter to Xerox Corporation dated May 31, 1988. This revision addresses each comment of the NYSDEC and includes a Comprehensive Database of Analytical Results as requested.

## 2.0 SITE CONDITIONS

The inactive landfill site is located to the North of the main Xerox complex, as shown on Figure 1. Use of the inactive landfill site area has not changed from that reported in the April 1986 Feasibility Study Report. Xerox anticipates continued use of Building 343 in the southeastern corner of the landfill site as a RCRA-permitted hazardous waste storage facility. The NYDEC has confirmed that Building 343 can continue to be used as a RCRA-permitted facility even though it is within the area of the landfill remediation and monitoring program.

### 2.1 GROUNDWATER CONTAMINATION

Analytical data generated since early 1986 from sampling and analyzing numerous groundwater monitoring wells situated around the landfill site have indicated the same general situation as reported in the April 1986 Feasibility Study Report, namely:

1. The major potential problem associated with contaminant release from the inactive landfill site is the apparent contamination of the shallow water-bearing zone with certain volatile organic chemicals (VOCs) which include: 1,1-dichloroethylene, 1,1-dichloroethane, 1,2-trans-dichloro-ethylene, 1,2-dichloroethane, 1,1,1-trichloroethane, trichloroethylene, and tetrachloroethylene.
2. These VOC contaminants have been detected in varying concentrations in the following media: (1) shallow groundwater immediately beneath and surrounding the landfill site, and (2) groundwater samples from selected bedrock wells.
3. Contamination of the bedrock aquifer appears to be limited to the VOCs, with the only consistently significant recorded concentrations appearing in Well W-3, just north (downgradient) of the landfill site.

4. Inorganic contaminants of concern (primarily arsenic and selenium) do not appear in unusually elevated concentrations in either the shallow or bedrock groundwater.

Table 1 presents total volatile organics (TVO) results from the quarterly sampling and analysis of samples collected from various bedrock wells around the landfill site. These data, reported from the second quarter of 1983 through the fourth quarter of 1987, indicate that Well W-3 exhibits the most significantly elevated TVO concentrations. Most of the other bedrock wells exhibit either intermittently detectable TVO levels or levels considerably lower than those reported for Well W-3.

TVO levels reported in Table 1 for Wells B-18 and B-19 (upgradient of the landfill site) are comprised of VOC compounds not historically associated with the landfill site. Accordingly, the reported TVO levels in these wells are not believed to be attributed to the landfill site.

Table 2 summarizes TVO data during the same period for numerous wells screened at or near the bedrock/till interface. These data indicate that the most elevated TVO concentrations appear in Well B-21A, located to the northwest of the landfill site area, but within the proposed monitoring zone.

Table 3 presents TVO data from various shallow wells screened in the till only. TVO values for Wells B-21B and B-21C supplement monitoring point data reported in the April 1986 Feasibility Study Report.

The analytical data presented in Tables 1, 2, and 3 indicate that the release of TVO contaminants from the inactive landfill site into the groundwater appears to be taking place at a very slow rate. It appears that the till/bedrock interface and the upper few feet of the top of bedrock have higher hydraulic conductivities and therefore larger contaminant migration potential. As stated in the April 1986 Feasibility Study Report, the effects of the observed site conditions and contaminant migration patterns on the environment and the groundwater regime is expected to be minimal.

A summary of TVO levels in both bedrock wells and till-bedrock interface wells located upgradient (i.e., to the South) and downgradient of the landfill site area is presented in Table 4. These data indicate that TVO levels are higher in the upgradient wells than in the downgradient (i.e., to the North) wells. This trend supports the indication of apparently minimal effects from the landfill site on the groundwater regime.

## **2.2 REMEDIAL ACTION OBJECTIVES**

In light of the analytical data generated since the April 1986 Feasibility Study Report was prepared, the overall remedial action objectives for the inactive landfill site remain the same as those identified in the Feasibility Study Report, namely:

1. minimize the amount of precipitation which infiltrates and subsequently percolates through the landfill site;
2. control the seasonal high water table condition which causes direct contact between wastes in the landfill site and the shallow groundwater; and
3. collect and treat potentially contaminated shallow groundwater.

Based upon WCC's review of the analytical data reported and the NYDEC review of the April 1986 Feasibility Study Report, the following additional remedial objectives is identified:

4. collect and treat potentially contaminated bedrock groundwater; and
5. establish hydraulic control over the entire vertical and horizontal extent of groundwater in the bedrock and overburden which contravenes groundwater standards.

### 3.0 REMEDIAL ALTERNATIVE EVALUATION

In keeping with the identified site problems and remedial action objectives, the following remedial technologies (as described in the April 1986 Feasibility Study Report) were combined to form a remedial alternative designed to accomplish each remedial objective:

	<u>Objective</u>	<u>Remedial Action</u>
1.	Minimize infiltration and percolation	Cap site
2.	Control seasonal high water table	Cap site Lower water table
3.	Collect and treat shallow groundwater	Pump and treat
4.	Collect and treat bedrock groundwater	Pump and treat

#### 3.1 ALTERNATIVE DESCRIPTION

Remedial technologies that could be incorporated into each remedial action listed above were evaluated in the April 1986 Feasibility Study Report. In order to achieve the remedial objectives, an additional alternative was evaluated:

ALTERNATIVE 7 - MACADAM CAP - BLAST ENHANCED HYDRAULIC BARRIER-DEWATERING WELLS - DISCHARGE TO POTW - MONITOR: Alternative 7 incorporates the following technologies to control the movement of potentially contaminated groundwater from the landfill site area:

- o Macadam Cap - This limits the amount of recharge from precipitation that may percolate through waste materials in the landfill.
- o Blast-Enhanced Drainage Zone - In order to increase the efficiency of the bedrock groundwater collection system, a linear blast zone (i.e., trench) would be developed in the bedrock. Appropriate explosive charges would be

detonated on approximate 5-foot centers along the alignment shown on Figure 2. Blasting would be done approximately 20 feet into the bedrock.

- o Groundwater Recovery Wells - Two recovery wells would be advanced into the bedrock blast-enhanced drainage zone. Each recovery well would be equipped with a submersible pump with the discharge connected to a common header system. The combined pumping discharge from these two wells (estimated at 20 to 30 gpm) would be routed to a sump for monitoring and flow measurement prior to discharge via another pump to the sanitary sewer along the southern landfill boundary.
  
- o Enhanced Overburden Drainage - In order to enhance drainage and subsequent collection of possibly contaminated water in the overburden till, vertical large-diameter (i.e., 10-inch or larger) borings would be advanced on approximate 25-foot centers to the bedrock - till interface above the blast-enhanced drainage zone. These boreholes would be backfilled with coarse sand to induce drainage from the till into the bedrock drainage zone.

Figure 3 shows the computed effects on the bedrock potentiometric contours under the conditions described above. The potentiometric contours indicate that the proposed remedial facilities would control groundwater movement in the area downgradient of the landfill site.

Monitoring well cluster B-17/B-17A contains low concentrations of volatile organic compounds. WCC is proposing that existing wells B-17 and B-17A be utilized as groundwater recovery wells. Pumping at this location will serve to collect contaminated groundwater and establish hydraulic control in the area.

The effectiveness of hydraulic controls could be evaluated using observations of water levels in existing monitoring wells. The evaluation of water levels and groundwater chemistry as per the proposed Interim and Long-Term Groundwater Monitoring Program for the Inactive Landfill will allow for an on-going assessment of the suitability of pumping from

the B-17 cluster to control contaminated groundwater migration in this area. Discharge from the B-17 well cluster would be combined with discharge from the blast-enhanced hydraulic barrier-dewatering wells and sent to the POTW for treatment.

Figure 4 depicts a schematic north - south cross-section view of the landfill remediation under Alternative 7. A typical section detail through the blast-enhanced bedrock zone is shown on Figure 5.

### **3.2 TECHNICAL FEASIBILITY EVALUATION**

Implementation of Alternative 7 would effectively control the movement of VOC contaminants from the landfill into the bedrock groundwater beyond the monitoring zone. The zone of influence of the remedial facilities would adequately control both the shallow groundwater table within the landfill site area and the bedrock groundwater to the north of the landfill site within the monitoring zone. Capping of the landfill site area would reduce recharge of precipitation water through the waste materials in the landfill and the migration of contaminants from these wastes into the shallow groundwater beneath the landfill site. It is anticipated that VOC contaminants in the soil, shallow groundwater, and bedrock groundwater within the area defined by the monitoring zone on Figure 2 would be controlled effectively by these facilities.

### **3.3 ENVIRONMENTAL EVALUATION**

As described in the April 1986 Feasibility Study Report, the only potentially adverse environmental effect associated with Alternative 7 is the discharge of low concentrations of VOC to the POTW. Based upon the bedrock groundwater quality data reported in Tables 1, 2, and 3, it is anticipated that the concentration of VOC contaminants in the recovered groundwater would be in the range of less than 1 part per million (ppm) and should decrease with time.

### **3.4 ECONOMIC EVALUATION**

Estimated costs associated with Alternative 7 are summarized in Table 5. Capital costs represent those associated with the design and construction of the facilities associated with the alternative. A total capital cost of \$794,000 is estimated for implementing this alternative. Annual operation and maintenance (O&M) costs involve those which can be expected to be incurred on an annual basis in order to operate and maintain the alternative. Approximately \$20,000 of the \$98,000 total annual O&M cost for Alternative 7 is associated with a groundwater monitoring program. Other O&M costs include maintenance of the macadam cap, treatment charges for discharge of water from the site into the Town of Webster sewage system, electric power and labor.

For the duration of the remedial action, assumed for economic comparison purposes to be a 30-year period, certain portions of the remedial facilities will have to be replaced. For purposes of this analysis, it was assumed that a 1-inch topcoat would be placed on the macadam cap, and pumps associated with the alternative would be replaced at 5-year intervals for a cost of \$48,000.

Present worth cost allows comparison between alternatives on the basis of a single cost figure that represents the amount of money that, if invested in 1988 and disbursed as needed, would be sufficient to cover all cost associated with the remedial alternative for a period of 30 years. The \$1,792,000 present worth value for Alternative 7 includes the estimated 5-year replacement costs, the present worth of the O&M costs, plus the capital cost.

### **3.5 ESTIMATED CONCENTRATION OF TOTAL VOLATILE ORGANICS (TVO) IN RECOVERED GROUNDWATER**

The concentration of TVO in the recovered groundwater was estimated to evaluate what, if any, pretreatment was necessary prior to discharge into the POTW. The estimated TVO concentration ranges from 250 parts per billion (ppb) to 560 ppb.

The estimate was formulated as both a simple average of concentrations at selected monitoring points and a weighted average which assumes specific volume contributions to the recovery system discharge. The following wells were incorporated into the estimating process: SP-6, W-2, W-3, B-1, B-2, B-9A, the B-17 cluster and the B-21 cluster. For the simple average (250 ppb), concentrations at each well were averaged over the monitoring period (6/83 to 12/87), then subsequently averaged for the aforementioned wells. For the weighted average, an evaluation was made of the volume contribution of volatile organics to system discharge in the vicinity of each monitoring well. This was accomplished by assigning a length of trench over which well concentrations may be representative and what the groundwater yield over that section may be. A total trench yield of 20 gallons per minute (gpm) was used, plus a contribution of 2 gpm from the B-17 cluster. Using the weighted average a concentration of about 560 ppb was estimated.

Xerox has an agreement with the Town of Webster POTW to accept the groundwater from the landfill with concentrations up to 10 parts per million (ppm). Therefore, in accordance with this agreement, no pretreatment would be required for discharge of groundwater recovery system effluent to the POTW.

#### **4.0 MONITORING PROGRAM**

In order to develop an effective program for monitoring the effectiveness of the inactive landfill site remediation, a groundwater monitoring program that consists of the following elements is proposed:

1. Additional monitoring wells would be installed along the monitoring zone as indicated on Figure 2. These monitoring wells would be installed in connection with the remedial construction activities and as part of the remediation program. Some existing monitoring wells would be utilized to provide well pairs (couplets) designed to monitor the bedrock and bedrock-till interface zones.

2. The gradual phase-out over a 5-year period is planned for monitoring wells situated outside the monitoring zone, as depicted on Figure 2. The function of the monitoring of remedial effectiveness would gradually shift to those monitoring wells situated just inside the monitoring zone, as described in No. 1, above. This phase-out would take place in a staged manner, with the first two years involving monitoring and reporting of analytical results on a twice-yearly basis, with the next three years on an annual basis.
3. Analytical work performed in connection with the monitoring program would be in accordance with the USEPA Hazardous Substance List (HSL) and by contract laboratory protocols (CLP).
4. Final design and placement of the monitoring well network within the monitoring zone would be accomplished during the final design stage of the remediation.

## **5.0 RECOMMENDED REMEDIAL ACTION**

It is recommended that Alternative 7 be considered for preliminary and final design for remedial actions. Alternative 7 includes a site cap, a blast-enhanced bedrock groundwater collection system which would be installed in the monitoring zone to the north of the inactive landfill site, and discharge of the collected water to the Town of Webster POTW.

/WM-16K

## **Tables**

TABLE 1  
TVO CONCENTRATION DATA SUMMARY  
BEDROCK WELLS

Well	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87
B-13																			
B-14													N.D.	3.3	N.D.	N.S.	N.D.	N.D.	N.D.
B-15											N.D.		N.D.	N.S.		N.S.	N.D.	2.3	1
B-16													N.D.	N.D.		N.S.	N.D.	N.D.	N.D.
B-17											15.5	N.D.	19.8	11	22	4.7	20.8	25.8	46
B-18*												N.D.	65	273	70	153	21	80.3	57
B-19											73.4	36	107	435	37.6	28	30.7	234	63.9
B-20											1.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-21												N.D.	3.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-22											N.D.		N.D.	N.D.	11.8	N.D.	N.D.	N.D.	N.D.
B-23											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-24											N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.
B-25											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-26											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5.4	N.D.	2.4
B-27											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3.6	1.1
B-28											6.2	N.D.	N.D.	N.D.	4.4	2.3	N.D.	N.D.	N.D.
B-29											N.D.	N.D.	7.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-32												N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-34												N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	N.D.
B-35												N.D.	N.D.	N.D.	2.6	N.D.	N.D.	N.D.	N.D.
B-36											N.D.	N.D.	N.D.	5.2	N.D.	N.D.	N.D.	N.D.	N.D.
W-1	N.D.	N.D.	9	4.3	N.D.	N.D.					35.2	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.
W-2	N.D.	11	N.D.	12.7	N.D.	8.8	2.6	8.4	16	16	39.7	23	33	22	8.8	55.6	28	7.8	39
W-3**	2259	3261	530	3711	3175	2060	2.5	3858	1849	1985	2076	1834	1443	3819	3444	1634	824	N.S.	983

NOTES: N.S. = NO SAMPLE  
N.D. = NON-DETECTABLE  
ALL CONCENTRATIONS IN PPB FOR TOTAL 601 AND 602 VOLATILES (EXCLUDING METHYLENE CHLORIDE UNLESS OTHERWISE INDICATED)  
\* TVO CONSISTS OF METHYLENE CHLORIDE ONLY  
\*\* TVO DATA INCLUDES METHYLENE CHLORIDE

TABLE 2  
TVO CONCENTRATION DATA SUMMARY  
BEDROCK/TILL INTERFACE WELLS

Well	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87
B-5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	37.7	N.D.									
B-6																			
B-7	37	5	N.D.	2.3	1.5	1.1	9.2	3	26	N.D.									
B-8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	85	43	N.D.									
B-9	N.D.	N.D.	N.D.	2	N.D.	N.D.	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	52	N.D.	N.D.	N.D.	1.7
B-13A																			
B-14A											N.D.	N.D.	N.D.	3.3	N.D.	N.D.	2.4	N.D.	N.D.
B-15A											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.3	N.D.	N.D.
B-17A											N.D.	N.D.	N.D.	3	N.D.	18.3	3.2	N.D.	N.D.
B-18A											N.D.	N.D.	N.D.	N.D.	4.3	18.5	3.9	18.6	7.1
B-19A																N.S.	N.S.	N.S.	N.S.
B-20A											N.D.	4.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-21A**											N.S.	536	2861	N.S.	N.S.	363	2711	610	
B-22A											N.D.	N.D.	N.D.	N.D.	4.5	N.D.	N.D.	N.D.	N.D.
B-23A											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-25A											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-26A											N.D.	N.D.	N.D.	N.D.	14	2.4	N.D.	N.D.	N.D.
B-27A											22.9	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
B-28A											11.8	5.6	N.D.	13	68	3.5	15.9	1.1	7.6
B-29A											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.4	N.D.	N.D.

NOTES: N.S. = NO SAMPLE  
N.D. = NON-DETECTABLE  
ALL CONCENTRATIONS IN PPB FOR TOTAL 601 AND 602 VOLATILES (EXCLUDING METHYLENE CHLORIDE UNLESS OTHERWISE INDICATED)  
\* TVO CONSISTS OF METHYLENE CHLORIDE ONLY  
\*\* TVO DATA INCLUDES METHYLENE CHLORIDE

TABLE 3  
TVO CONCENTRATION DATA SUMMARY  
SHALLOW WELLS

Well	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87
B-7A																			
B-8A																			
B-9A											281	160	72.6	130	87.6	48.9	48.5	N.S.	88.2
B-20B											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
B-21B											28.2	28.1	29.3	7.8	5.3	17.6	6.1	11.5	12.5
B-21C											4.5	2.6	N.D.	2.5	18.6	N.D.	2.1	16.8	12.5
B-22B											N.D.		N.D.	2.3	N.D.	N.D.	N.D.	N.D.	N.D.
P-9																			
P-10																			
SP-6			N.D.	N.D.			N.D.	N.D.											
SP-7**	27233	10488	5798	82.8	4731	8542		3130		276									

NOTES: N.S. = NO SAMPLE  
 N.D. = NON-DETECTABLE  
 ALL CONCENTRATIONS IN PPB FOR TOTAL 601 AND 602 VOLATILES (EXCLUDING METHYLENE CHLORIDE UNLESS OTHERWISE INDICATED)  
 \* TVO CONSISTS OF METHYLENE CHLORIDE ONLY  
 \*\* TVO DATA INCLUDES METHYLENE CHLORIDE

TABLE 4

## BACKGROUND TVO EVALUATION SUMMARY

UPGRADIENT (SOUTH OF LANDFILL SITE AREA) WELLS

Well No.	No. of Samples	No. of 'HITS'	TVO Concentration - ppb		
			Minimum	Maximum	Average
<u>BEDROCK WELLS</u>					
B-18**	8	7	ND	273	90
B-19	9	9	28	435	116
B-25	9	0	ND	ND	ND
B-26	9	2	ND	5.4	1.0
B-27	9	2	ND	3.6	1.0
B-28	9	3	ND	6.2	1.4
B-29	9	1	ND	7.5	1.0
Average Of Upgradient Bedrock Wells*					29.0

TILL-BEDROCK INTERFACE WELLS

B-18A	8	5	ND	10.6	4.6
B-25A	9	0	ND	ND	ND
B-26A	9	2	ND	14	1.8
B-27A	1	1	ND	22.9	22.9
B-28A	9	8	ND	68	14.0
B-29A	9	1	ND	2.4	0.5
Average Of Upgradient Interface Wells*					4.5

DOWNGRADIENT (NORTH OF LANDFILL SITE AREA) WELLSBEDROCK WELLS

B-14	6	1	ND	3.3	0.5
B-15	5	2	ND	2.3	1.0
B-16	5	0	ND	ND	ND
B-17	9	8	ND	46	18.4
B-32	8	0	ND	ND	ND
B-34	8	1	ND	1.0	0.5
B-35	8	1	ND	2.6	0.5
B-36	8	1	ND	5.2	1.0
B-20	9	1	ND	1.2	0.5
B-24	9	0	ND	ND	ND
Average Of Downgradient Bedrock Wells*					2.4

TILL-BEDROCK INTERFACE WELLS

B-14A	8	2	ND	3.3	1.0
B-15A	9	1	ND	2.3	0.5
B-17A	9	3	ND	18.3	2.7
B-20A	9	1	ND	4.6	1.0
Average Of Downgradient Interface Wells*					1.1

NS = Not Sampled

ND = Not Detected

\* Average over total number of samplings.

\*\* All reported TVO in B-18 was methylene chloride only.

**TABLE 5**  
**DETAILED COST ESTIMATE SUMMARY**  
**ALTERNATIVE 7**

Item	Estimated Cost
<u>Capital Costs</u>	
1. Macadam Cap	\$ 240,000
2. Recovery Well System (2 wells)	40,000
3. Rock Blasting (Approximately 1,200 lf)	120,000
4. Large - Diameter Augering w/ Sand Backfill (Approx. 50 borings)	40,000
5. Sump/Pump/Sewer Connection/ Flow Measurement	20,000
6. Discharge Piping/Headers/Pumps Control System	25,000
7. Clearing/Grubbing	10,000
8. Site Restoration	10,000
9. Electrical	10,000
TOTAL CONSTRUCTION COST	\$ 515,000
Engineering/Site Investigation (15%)	80,000
Construction Management	80,000
Operation/Start-up Assistance	15,000
Legal/Fiscal (10%)	52,000
Contingency (10%)	52,000
TOTAL CAPITAL COST	\$ 794,000
<u>Annual Operation and Maintenance (O&amp;M) Costs</u>	
1. Maintain/Seal Cap	\$ 5,000
2. Monitoring Program	20,000
3. POTW Sewer Use Charge ¶ \$0.0038/gallon	60,000
4. Electric Power	3,000
5. Labor	10,000
TOTAL ANNUAL O&M COSTS	\$ 98,000
<u>Replacement Costs</u>	
1. 1-inch Wear Coat on Cap Every 5 Years	\$ 40,000
2. Replace Pumps Every 5 Years	8,000
TOTAL 5-YEAR REPLACEMENT COST	\$ 48,000
Present Worth*	\$1,792,000

\*Computed on the basis of 30 years at 10 percent.

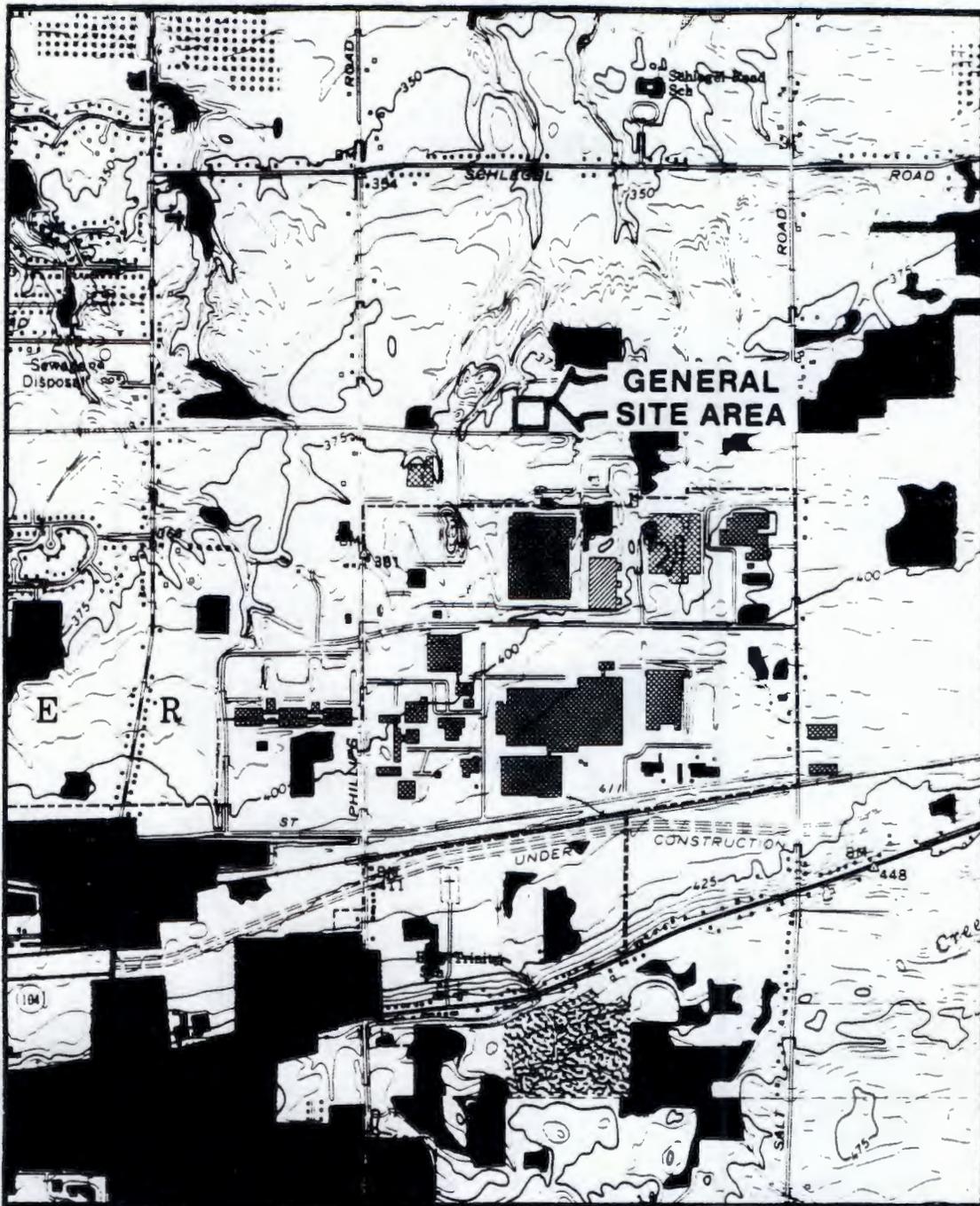
TABLE 6\*

## SOURCE CONTROL ALTERNATIVES COMPARISON SUMMARY

Alternative	Cost (\$1,000)			Public Health Concerns	Environmental Concerns	Technical Concerns	Community Response Concerns
	Capital	Annual O&M	Present Worth				
-- No Action	--	12	113	Groundwater contamination by VOC	Continued degradation of surface water and shallow groundwater by VOC.	None	Unacceptable
3 - Cap, Hydraulic Barrier, Well-Points, POTW, Monitor	382	49	932	May not adequately control source of VOC contaminants.	Groundwater quality may not be adequately protected from VOC contamination.	Well point network may not adequately establish hydraulic barrier in highly variable till.	Some resistance
4 - Cap, Curtain Drain, POTW, Monitor	348	78	1,148	Reduces threat of VOC contamination of shallow groundwater.	Discharge of low concentrations of VOC to POTW.	Uncertain and probably highly variable discharge flow rates.	Probably acceptable
5 - Cap, Slurry Wall, Dewatering Recovery Wells, POTW, Monitor	635	42	1,043	Reduces threat of VOC contamination of shallow groundwater.	Discharge of low concentrations of VOC to POTW.	Successful installation of slurry wall in hard, dense till.	Probably acceptable
6 - Cap, Slurry Wall, Curtain Drain, POTW, Monitor	637	42	1,035	Reduces threat of VOC contamination of shallow groundwater.	Discharge of low concentrations of VOC to POTW.	Successful installation of slurry wall in hard, dense till.	Probably acceptable
7 - Cap, Blast-Enhanced Drainage Zone, Groundwater Recovery Wells, Enhanced Overburden Drainage	794	98	1,792	Reduces threat of VOC contamination of shallow groundwater.	Discharge of low concentrations of VOC to POTW.	Degree of fracturing from blasting program, dewatering of glacial soils.	Probably acceptable

\* Revised from Table 13 of 1986 Feasibility Study Report.  
/WM-16K

## **Figures**



LOCATION MAP  
INACTIVE LANDFILL  
XEROX CORPORATION  
WEBSTER, NEW YORK

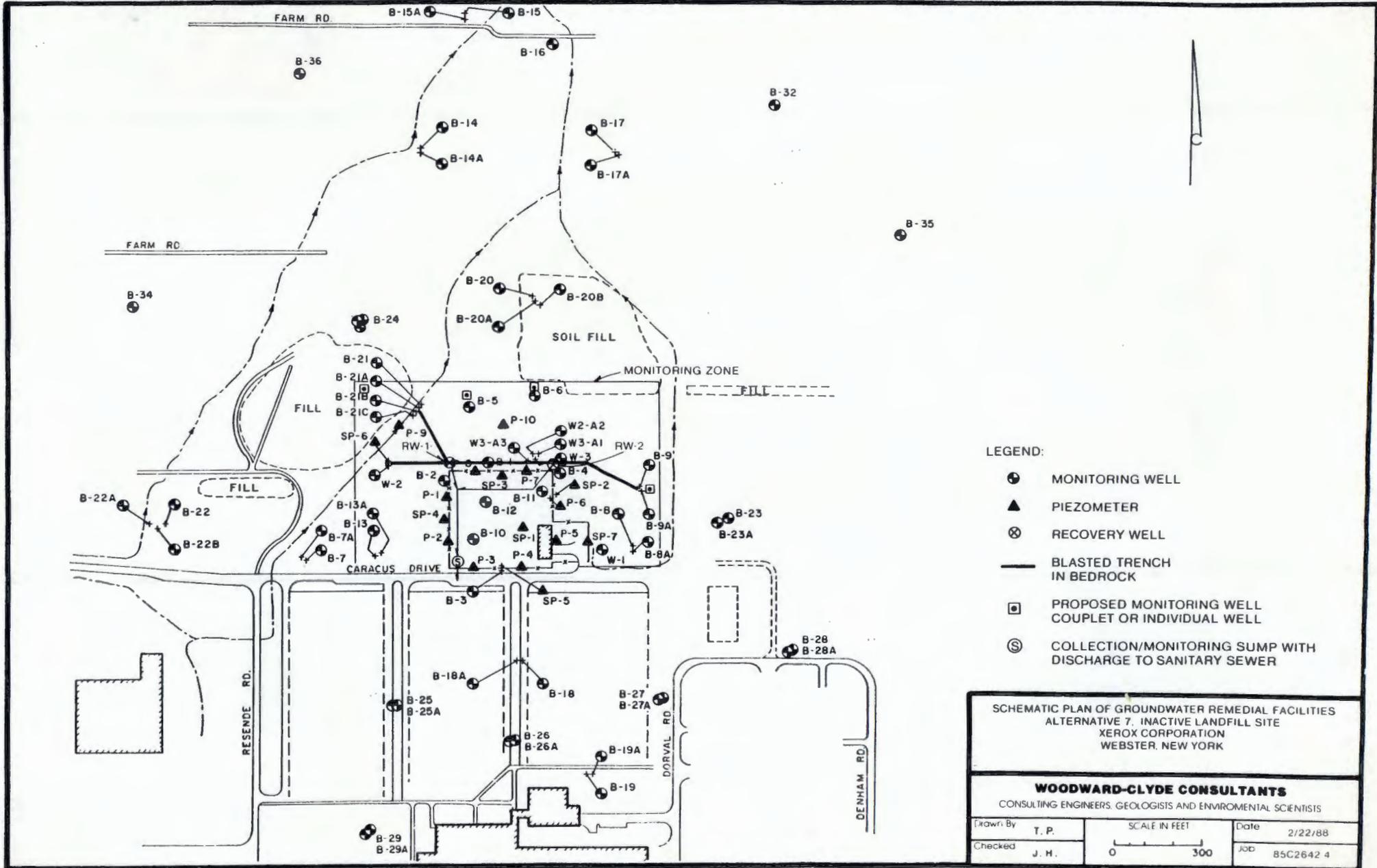
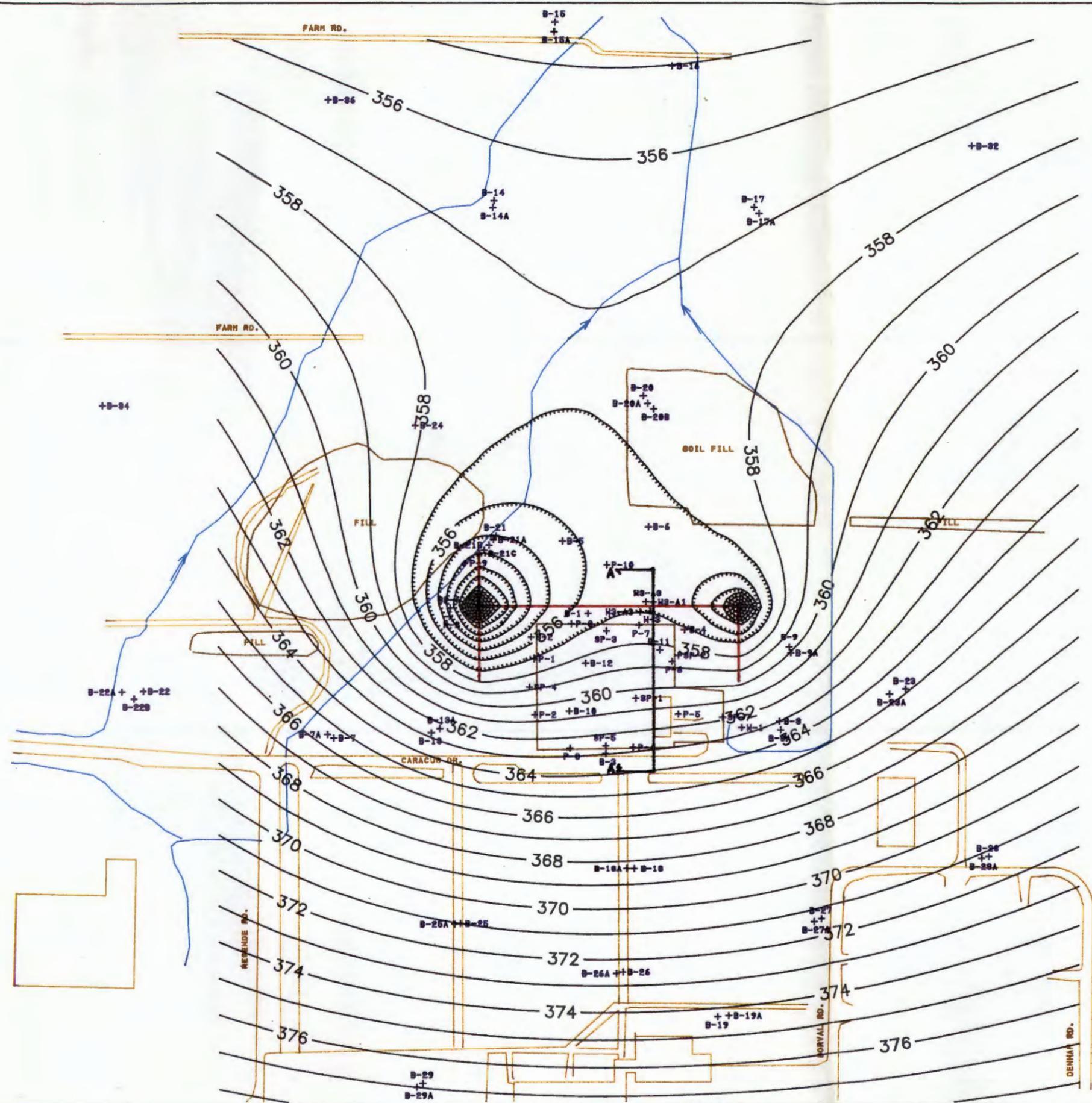


FIGURE 2

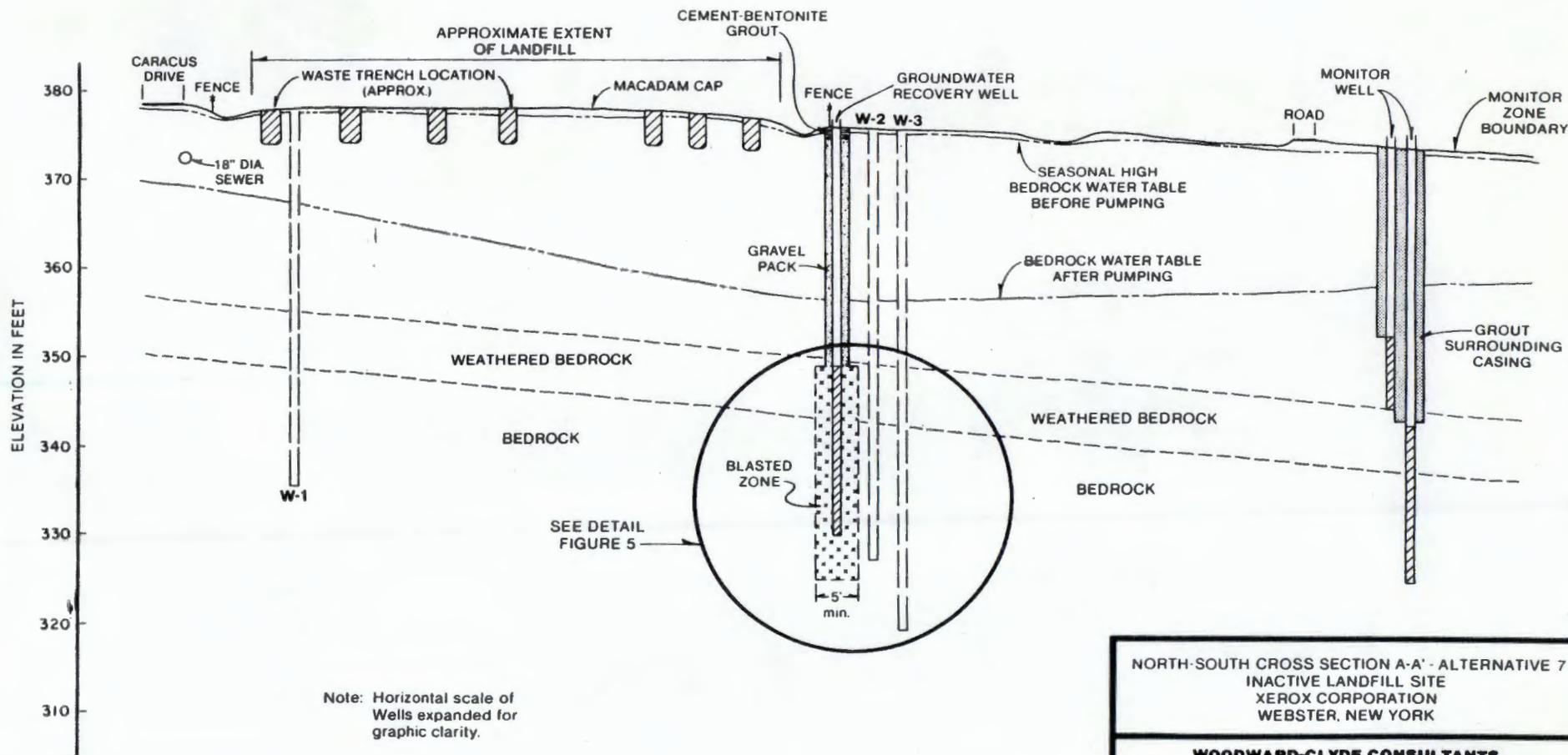


LEGEND:  
 + MONITORING WELLS  
 — SIMULATED BLASTED TRENCH

BEDROCK POTENTIOMETRIC CONTOUR MAP  
 ALTERNATIVE 7  
 INACTIVE LANDFILL SITE  
**XEROX CORPORATION**  
 WEBSTER, NEW YORK  
 HOODWARD-CLYDE CONSULTANTS  
 CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS  
 DATE: 2/22/88 SCALE: 1" = 300 FEET CHECKED BY:  
 JOB: 85C2642-4 FIGURE 3

SOUTH

NORTH



Note: Horizontal scale of Wells expanded for graphic clarity.

SEE DETAIL FIGURE 5

NORTH-SOUTH CROSS SECTION A-A' - ALTERNATIVE 7 INACTIVE LANDFILL SITE XEROX CORPORATION WEBSTER, NEW YORK		
<b>WOODWARD-CLYDE CONSULTANTS</b> CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS		
Drawn by J. C.	SCALE IN FEET 0 50	Date 2/22/88
Checked by J.V.H.		Job 85C2642-4

FIGURE 4



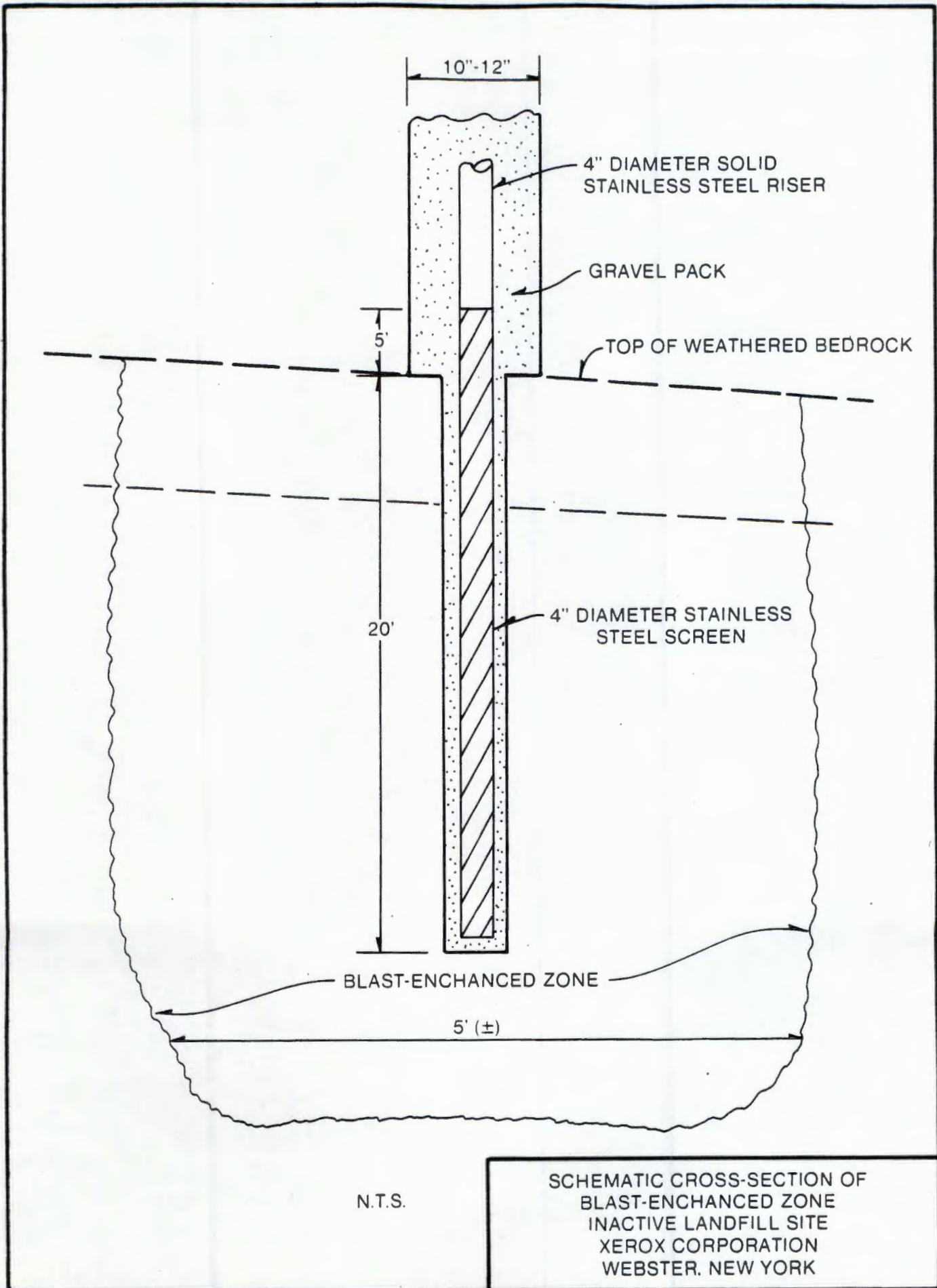


FIGURE 5

**Attachment A**

**DATABASE OF ANALYTICAL RESULTS  
INACTIVE LANDFILL SITE  
XEROX CORPORATION  
WEBSTER, NEW YORK**

Prepared for:

**XEROX CORPORATION  
WEBSTER, NEW YORK**

Prepared by:

**WOODWARD-CLYDE CONSULTANTS  
5120 BUTLER PIKE  
PLYMOUTH MEETING, PENNSYLVANIA 19462**

**July 1988**

Analytical results compiled within this database represent data gathered for the inactive landfill site. Analytical results for groundwater monitoring as well as surface water and soil sampling are represented. Detection limits for each data type are also presented.

Appendices A and B list analytical results for quarterly groundwater monitoring performed by General Testing Corporation. Appendix A lists quarterly results for organic parameters while Appendix B lists quarterly results for inorganic parameters. Data presented within Appendix A and B were compiled from June 1983 to present. Figures 1 and 2 display sampling locations in the vicinity of the site.

Appendix C lists analytical results for groundwater samples which have been tested for parameters on the Hazardous Substance List (HSL) and Priority Pollutant (PP) list. Samples for HSL and PP testing were collected in March 1988.

Appendix D lists analytical results for groundwater sampling prior to the routine quarterly sampling program performed by General Testing Corporation. Sampling locations are included on Figures 1 and 2.

Appendix E lists analytical results for surface water sampling performed near the site. Figure 3 shows sampling locations for surface water sampling.

Appendix F lists analytical results for soil samples taken near the site. Sampling locations are included on Figures 1 and 2.

Appendix G lists detection limits for parameters tested using various methodologies. Since detection limits are based, in part, on analytical technique and sample dilution an approximate range of detection is provided for many parameters.

Appendix H lists groundwater samples which have exceeded New York State groundwater quality standards as referenced from TOG 85-W-38 (Effective August 2, 1988).

Only analytical data compiled since the effective date of the regulations was compared to the standards.

## LIST OF FIGURES

	<u>Page Number</u>
PIEZOMETER/WELL LOCATION PLAN .....	1
BORING LOCATION PLAN .....	2
SURFACE WATER SAMPLING LOCATION .....	3

## LIST OF APPENDICES

	<u>Appendix</u>
GENERAL TESTING CORPORATION QUARTERLY WELL SAMPLING (ORGANIC PARAMETERS) .....	A
GENERAL TESTING CORPORATION QUARTERLY WELL SAMPLING (INORGANIC PARAMETERS) .....	B
HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING .....	C
MONITOR WELL ANALYTICAL DATA COLLECTED PRIOR TO QUARTERLY SAMPLING BY GENERAL TESTING CORPORATION .....	D
SURFACE WATER SAMPLING .....	E
SOIL SAMPLING .....	F
DETECTION LIMITS .....	G
COMPARISON OF RECENT GROUNDWATER DATA WITH NEW YORK STATE WATER QUALITY STANDARDS .....	H

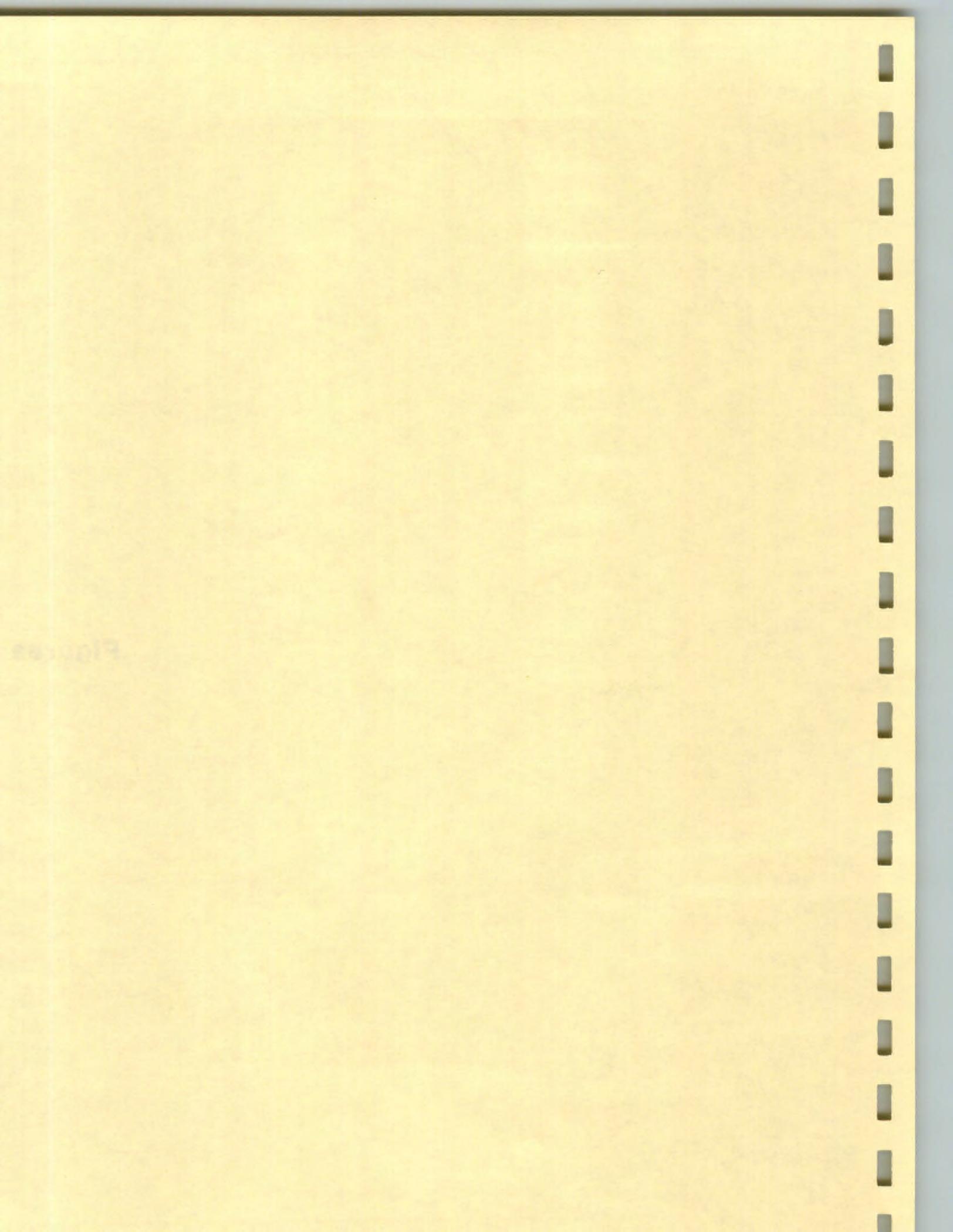
LIST OF FIGURES

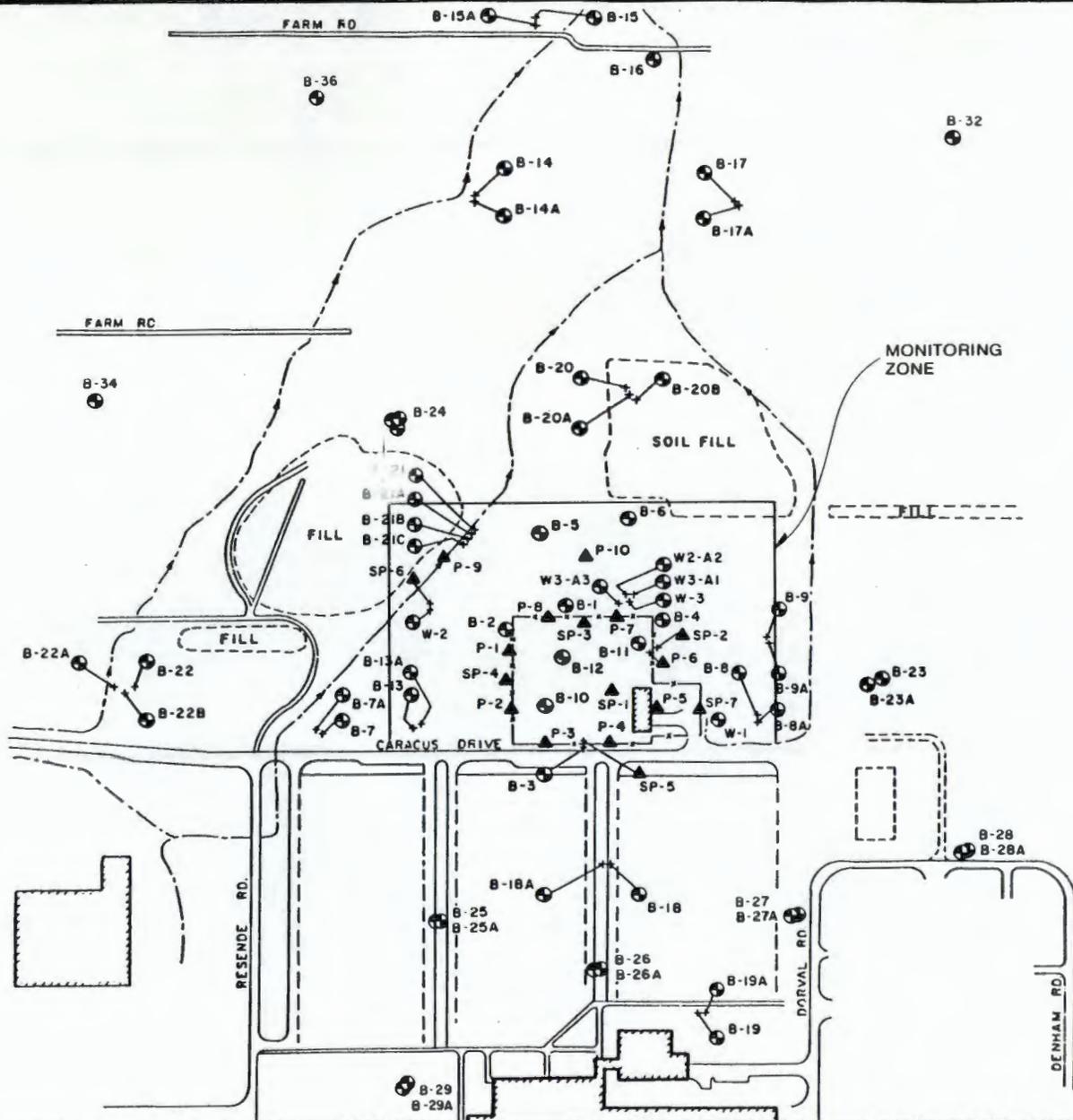
FIGURE 1. LOCATION OF STUDY AREA IN THE STATE OF TEXAS

LIST OF TABLES

A	ORGANIC PARASITIC
B	ORGANIC PARASITIC
C	ORGANIC PARASITIC
D	ORGANIC PARASITIC
E	ORGANIC PARASITIC
F	ORGANIC PARASITIC
G	ORGANIC PARASITIC
H	ORGANIC PARASITIC

## **Figures**





**LEGEND:**

- ⊕ MONITORING WELL
- ▲ PIEZOMETER

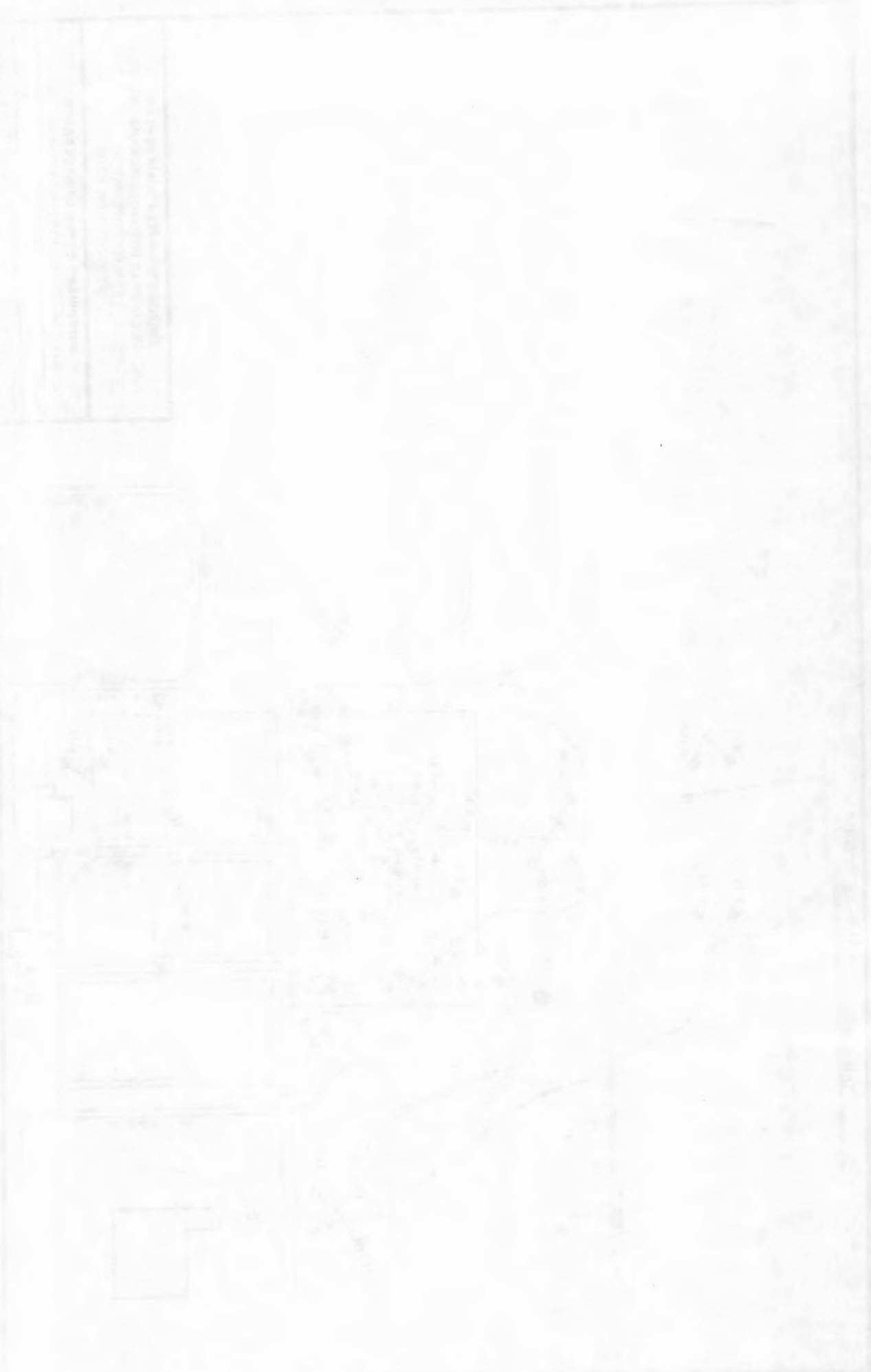
**PIEZOMETER/WELL LOCATION PLAN**  
 INACTIVE LANDFILL SITE AND SURROUNDING AREA  
 XEROX CORPORATION  
 WEBSTER, NEW YORK

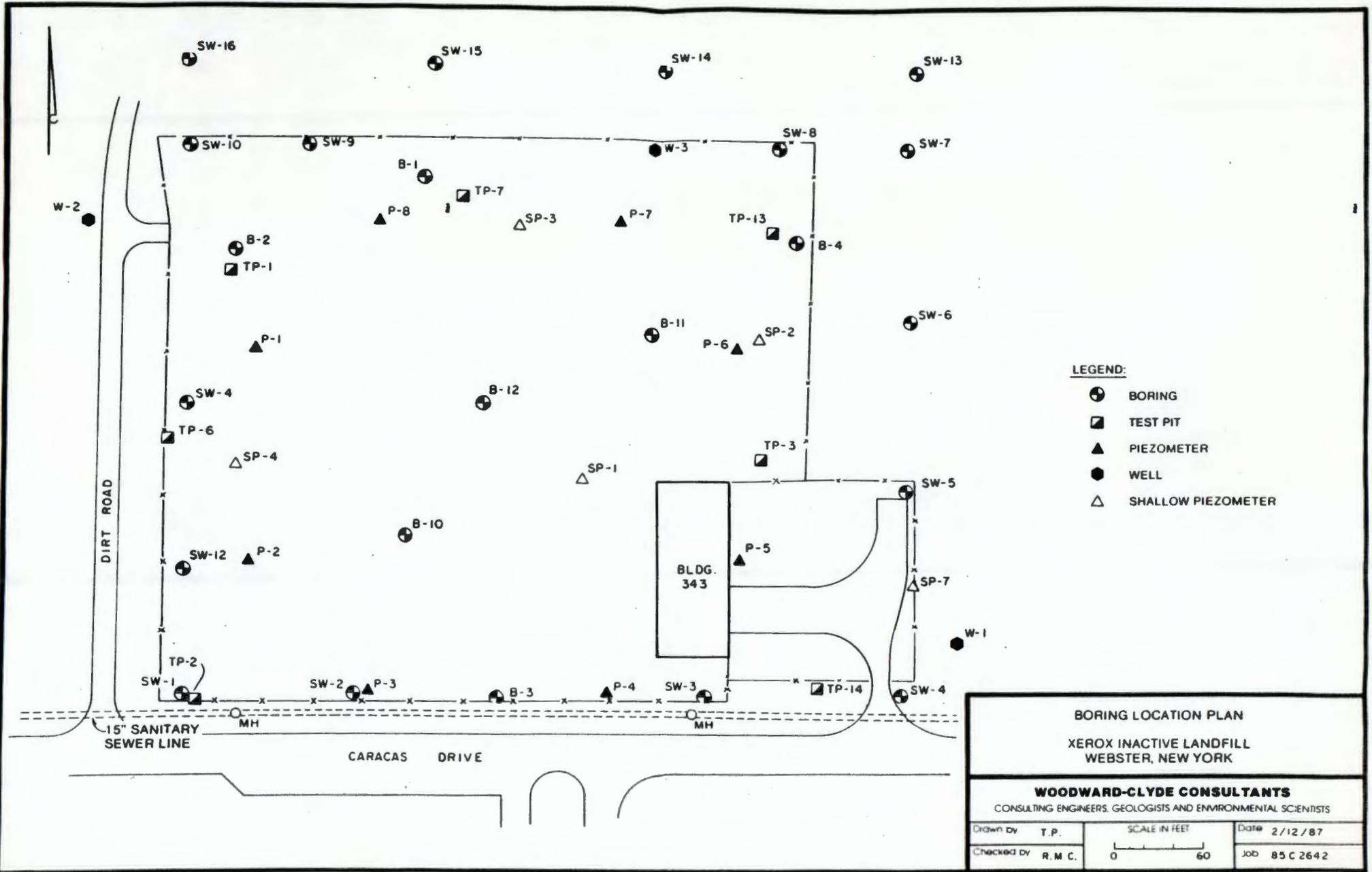
**WOODWARD-CLYDE CONSULTANTS**  
 CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS

Drawn by	T.P.	SCALE IN FEET	Date
Checked	J.V.H.	0  300	4/6/88
			Job
			85C2642-4

FIGURE 1

1. The first part of the report is a general introduction to the subject of the study. It should state the purpose of the study, the scope of the study, and the methods used. It should also state the significance of the study and the contribution it makes to the field.





- LEGEND:**
- ⊕ BORING
  - ▣ TEST PIT
  - ▲ PIEZOMETER
  - WELL
  - △ SHALLOW PIEZOMETER

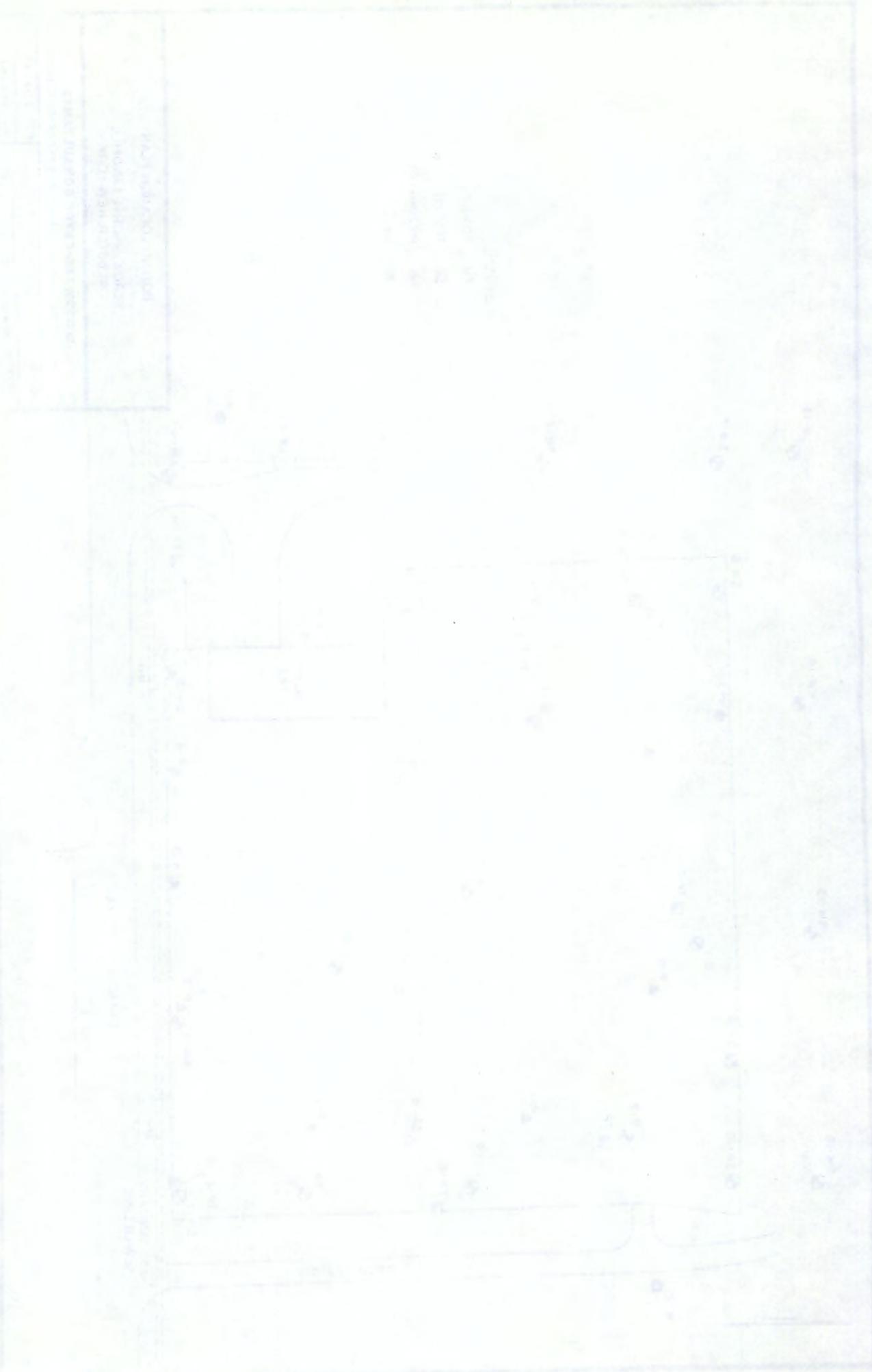
<b>BORING LOCATION PLAN</b>		
XEROX INACTIVE LANDFILL WEBSTER, NEW YORK		
<b>WOODWARD-CLYDE CONSULTANTS</b> CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS		
Drawn by T.P.	SCALE IN FEET 0 ————— 60	Date 2/12/87
Checked by R.M.C.		Job 85 C 2642

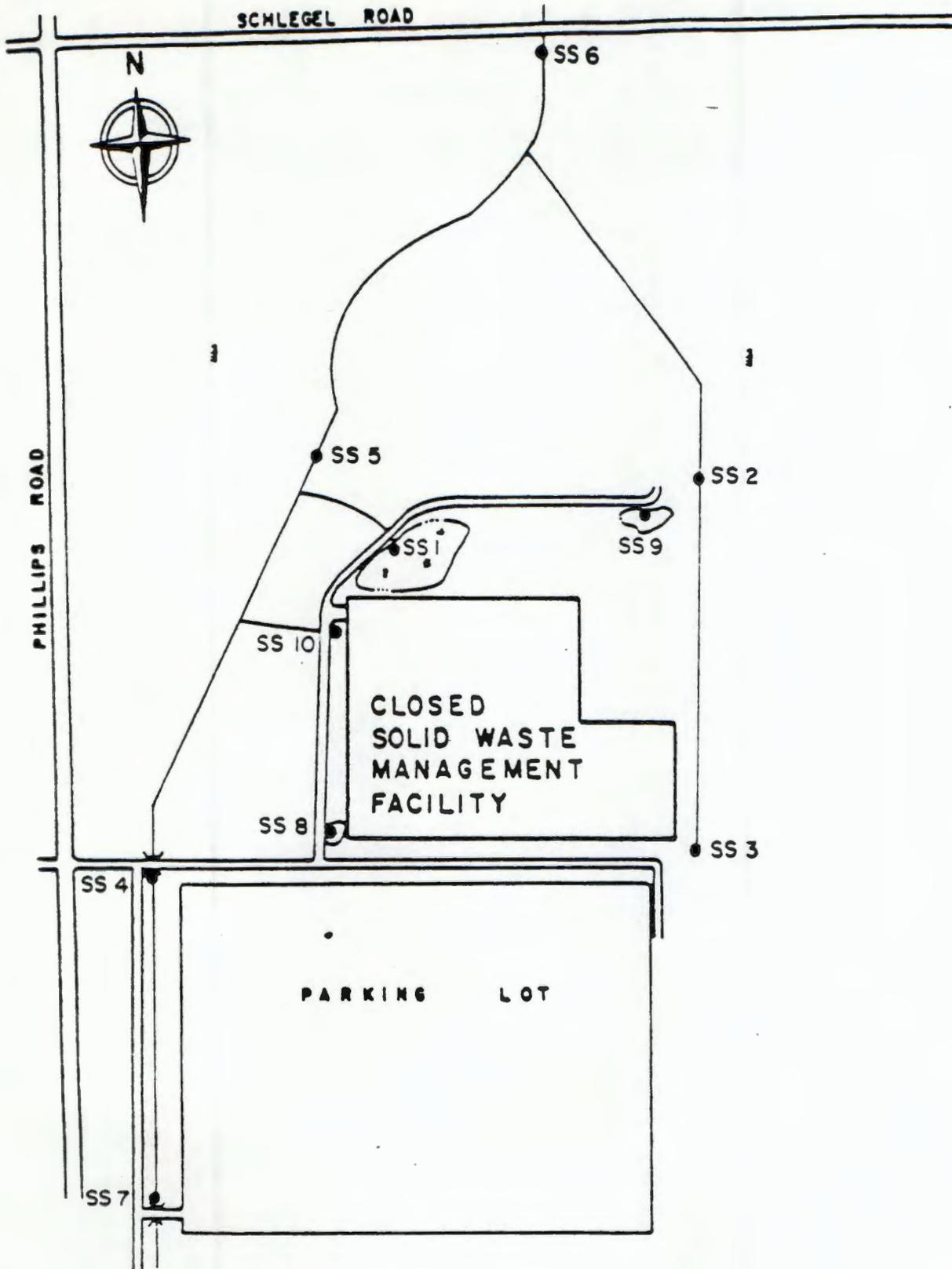
FIGURE 2

PROJECT: [illegible]  
DATE: [illegible]  
DRAWN BY: [illegible]  
CHECKED BY: [illegible]



1. [illegible]  
2. [illegible]  
3. [illegible]  
4. [illegible]





NOT TO SCALE

**LEGEND**

● SS 4 SURFACE WATER SAMPLING LOCATION AND NUMBER

○ STANDING WATER

FIGURE 3  
SURFACE WATER SAMPLING LOCATIONS



WASTE MANAGEMENT

WASTE MANAGEMENT

WASTE MANAGEMENT

WASTE MANAGEMENT

## **Appendix A**

Well Number: B-1  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.												N.S.
1,1-Dichloroethane	4	5	1	9.7	7.9	4.3	N.D.	3.9	14	5.4											1.7	N.S.
1,2-Dichloroethane	4	55	19	45	34	55	2.1	95	26	60											48.2	N.S.
Chloroform	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	41	N.D.	N.D.	N.D.											1.3	N.S.
1,2-Dichloroethane	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.												N.S.
1,1,1-Trichloroethane	N.D.	N.D.	1	N.D.	N.D.	1.8	N.D.	N.D.	N.D.	N.D.												N.S.
Trichloroethene	2	10	4	7	N.D.	0.9	N.D.	1.6	N.D.	3												N.S.
Tetrachloroethene	2	13	3	2.9	N.D.	9.7	N.D.	N.D.	N.D.	N.D.												N.S.
Benzene	N.D.	N.D.	2	1.9	2.3	2.1	N.D.	1.2	N.D.	N.D.												N.S.
Toluene	3	11	8	3.6	N.D.	1.7	N.D.	N.D.	N.D.	N.D.												N.S.
Total Volatiles Including M.C.	16	96	38	70.1	44.2	75.5	43.1	101.7	40	68.4												51.2
Total Volatiles Excluding M.C.	16	94	38	70.1	44.2	75.5	43.1	101.7	40	68.4												51.2

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	2	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
1,2-Dichloroethene	N.D.	9	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
Chloroform	N.D.	3	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
1,1,1-Trichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	1.5	N.D.	N.S.	N.D.	N.D.											N.D.	
Trichloroethene	N.D.	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
Tetrachloroethene	N.D.	46	N.D.	N.D.	N.D.	6.6	N.D.	N.S.	N.D.	N.D.											N.D.	
1,3-Dichlorobenzene (a)	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
1,2-Dichlorobenzene (a)	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
Benzene	N.D.	12	N.D.	N.D.	4	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
Toluene	N.D.	250	1	N.D.	0.6	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
Ethylbenzene	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
T. Xylene	N.D.	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
Styrene	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
n-Propylbenzene	N.D.	1	N.D.	1.1	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.											N.D.	
Total Volatiles Including M.C.	2	346	1	1.1	4.6	8.1	0	0	0	0											0	
Total Volatiles Excluding M.C.	0	342	1	1.1	4.6	8.1	0	0	0	0											0	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-4  
\*\*\*\*\*

This well has not been sampled between 6/83 and 6/88.

Well Number: B-3

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	9	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											N.D.	
1,1,1-Trichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.2	N.D.	N.D.	N.D.												N.D.
Trichloroethene	N.D.	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.												N.D.
Tetrachloroethene	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8.8	N.D.	N.D.	N.D.												N.D.
Benzene	N.D.	N.D.	N.D.	N.D.	2.5	N.D.	N.D.	N.D.	N.D.	N.D.												N.D.
Toluene	N.D.	1	2	1.2	N.D.	N.D.	N.D.	1.2	N.D.	N.D.												2.8
-----																						
Total Volatiles Including M.C.	9	2	4	1.2	2.5	0	11	1.2	0	0											2.8	
-----																						
Total Volatiles Excluding M.C.	0	1	4	1.2	2.5	0	11	1.2	0	0											2.8	
-----																						

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-5

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											N.D.	
1,1-Dichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	19	N.D.										N.D.	
Chloroform	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8.7	N.D.											N.D.	
1,1,1-Trichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	N.D.											N.D.	
Toluene	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											2.4	
Total Volatiles Including M.C.	0	2	0	0	0	0	0	0	37.7	0											2.4	
Total Volatiles Excluding M.C.	0	0	0	0	0	0	0	0	37.7	0											2.4	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB.

Well Number: B-6  
\*\*\*\*\*

This well was not sampled between 6/83 and 12/87.  
This well was sampled 3/88 - All organics were at non-detectable levels.  
This well was not sampled 6/88.

Well Number: B-7  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88		
Methylene Chloride	3	2	N.D.	N.D.	N.D.	3.9	N.D.	N.D.	N.D.	N.D.												N.D.	
1,2-Dichloroethene	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.													N.D.
Chloroform	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	16													N.D.
Carbon Tetrachloride	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10													N.D.
Trichloroethene	4	N.D.	N.D.	N.D.	N.D.	N.D.	9.2	N.D.	N.D.	N.D.													N.D.
Tetrachloroethene	14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.													N.D.
Benzene	2	3	N.D.	2.3	1.5	1.1	N.D.	N.D.	N.D.	N.D.													N.D.
Toluene	11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.													N.D.
o-Xylene	1	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.													N.D.
Total Volatiles Including M.C.	40	7	0	2.3	1.5	5	9.2	3	26	0													0
Total Volatiles Excluding M.C.	37	5	0	2.3	1.5	1.1	9.2	3	26	0													0

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-7A  
\*\*\*\*\*

This well was not sampled between 6/83 and 12/87.  
This well was sampled 3/88 - All volatiles at non-detectable levels.  
This well was not sampled 6/88.

Well Number: B-8  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	4	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											N.D.	
Toluene	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	85	43	N.D.											4.8	
Tetrachloroethylene	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											2	
Total Volatiles Including M.C.	4	2	0	0	0	0	0	85	43	0											6.8	
Total Volatiles Excluding M.C.	0	0	0	0	0	0	0	85	43	0											6.8	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-8A  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Toluene																						3.1
-----																						
Total Volatiles Including M.C.																						3.1
-----																						
Total Volatiles Excluding M.C.																						3.1
-----																						

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-9

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride	1	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.3	N.D.	N.D.	1.7	5.7	1.7		
Vinyl Chloride	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	52	N.D.	N.D.	N.D.	N.D.		
1,1,1-Trichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.														
Toluene	N.D.	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
Ethylbenzene	N.D.	N.D.	N.D.	1.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
Total Volatiles Including M.C.	1	5	0	2	0	0	0	2	0	0	0	0	0	1.3	52	0	1.7	5.7	3.4		
Total Volatiles Excluding M.C.	0	0	0	2	0	0	0	2	0	0	0	0	0	0	52	0	0	0	1.7		

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	4/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	4/88	
Methylene Chloride											N.D.	N.D.	N.D.	1.4	N.D.	N.D.	2	N.S.	1.9	1.12		
1,1-Dichloroethene											15	3	N.D.	1.4	N.D.	N.D.	1.1	N.S.	N.D.	1.52		
1,1-Dichloroethane											41	20	17	23	27	16	6.8	N.S.	15	12.4		
1,2-Dichloroethene											84	21	14	22	14	5.9	6.8	N.S.	32	17.3		
1,2-Dichloroethane											7.7	3.5	1.6	5.4	2.6	N.D.	1.8	N.S.	1.2	1.51		
1,1,1-Trichloroethane											130	112	38	69	44	19	23	N.S.	40	49		
Trichloroethene											3.6	N.D.	N.D.	N.D.	4.0	N.D.	1	N.S.	N.D.	N.D.		
Toluene											N.D.	N.D.	N.D.	6.9	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.		
Chloroform											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	1.51		
-----																						
Total Volatiles Including M.C.											281.3	159.5	72.6	131.1	87.6	40.9	42.5	0	90.1	84.56		
-----																						
Total Volatiles Excluding M.C.											281.3	159.5	72.6	129.7	87.6	40.9	40.5	0	88.2	83.44		
-----																						

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-10  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	N.D.	1	N.D.	N.D.		N.D.															N.D.	
1,1-Dichloroethene	N.D.	N.D.	N.D.	N.D.																		N.D.
1,1-Dichloroethane	N.D.	N.D.	N.D.	N.D.																		N.D.
1,2-Dichloroethene	N.D.	3	5	26																		N.D.
1,1,1-Trichloroethane	N.D.	N.D.	N.D.	N.D.																		N.D.
Trichloroethene	N.D.	N.D.	22	90																		N.D.
Tetrachloroethene	N.D.	3	N.D.	N.D.																		N.D.
Benzene	N.D.	N.D.	N.D.	0.7																		N.D.
Toluene	20	17	N.D.	0.5																		7.8
T. Xylene	N.D.	N.D.	N.D.	1.8																		N.D.
Total Volatiles Including M.C.	20	24	27	117.2																		7.8
Total Volatiles Excluding M.C.	20	23	27	117.2																		7.8

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-11  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride	5	9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											1.3
1,1-Dichloroethane	3	8	N.D.	5.9	5	6.6	2	7.4	N.D.	6.7											3.9
1,2-Dichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	86											18.2
Trichloroethene	1	3	N.D.	N.D.	5.1	4.4	1.7	1.7	N.D.	4.1											N.D.
Tetrachloroethene	7	23	N.D.	3.9	34	36	19	32	24	21											N.D.
Toluene	4	5	N.D.	6.6	8.1	N.D.	N.D.	8	N.D.	7.5											9.4
T. Xylene	1	1	N.D.	2.1	2.4	N.D.	N.D.	N.D.	N.D.	5.4											3.1
Total Volatiles Including M.C.	21	49	0	18.5	54.6	47	22.7	49.1	24	130.7											35.9
Total Volatiles Excluding M.C.	16	40	0	18.5	54.6	47	22.7	49.1	24	130.7											34.6

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-12  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	3	3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											N.D.	
1,2-Dichloroethene	N.D.	N.D.	N.D.	3.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											N.D.	
Trichloroethene	N.D.	2	N.D.	37	3.1	N.D.	N.D.	N.D.	N.D.	N.D.											N.D.	
Toluene	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	N.D.											2.3	
Ethylbenzene	N.D.	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											N.D.	
Total Volatiles Including M.C.	3	6	1	40.8	3.1	0	0	2	0	0											2.3	
Total Volatiles Excluding M.C.	0	3	1	40.8	3.1	0	0	2	0	0											2.3	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-13  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride																						N.D.
1,1-Dichloroethane																						11.6
1,2-Dichloroethane																						89.4
Chloroform																						2.5
1,2-Dichloroethane																						36
Benzene																						7.8
Toluene																						16.7

-----  
Total Volatiles Including M.C. 164

-----  
Total Volatiles Excluding M.C. 164  
-----

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-13A  
\*\*\*\*\*

This well was not sampled between 6/83 and 12/87.  
This well was sampled 3/88 - All organics at non-detectable levels.  
This well was not sampled 6/88.

Well Number: B-14  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88		
Methylene Chloride													N.D.	N.D.	N.D.	N.S.	1.8	3.7	2.9	N.D.			
Toluene													N.D.	3.3	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
Total Volatiles Including M.C.													0	3.3	0	0	1.8	3.7	2.9	0			
Total Volatiles Excluding M.C.													0	3.3	0	0	0	0	0	0	0		

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride																						
Toluene																						
Total Volatiles Including M.C.																						
Total Volatiles Excluding M.C.																						
Notes: N.S. = No Sample M.C. = Methylene Chloride N.D. = Non-Detectable All Concentrations in PPB																						

Well Number: B-15  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.		N.D.	N.S.		N.S.	1.8	4.1	3.5	N.D.	
Chloroform											N.D.		N.D.	N.S.		N.S.	N.D.	N.D.	1	N.D.	
1,1,1-Trichloroethane											N.D.		N.D.	N.S.		N.S.	N.D.	2.3	N.D.	N.D.	
Total Volatiles Including M.C.											0		0	0		0	1.8	6.4	4.5	0	
Total Volatiles Excluding M.C.											0		0	0		0	0	2.3	1	0	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-15A  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	4	1.6	N.D.	
Toluene											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.3	N.D.	N.D.	N.D.	
Total Volatiles Including M.C.											0	0	0	0	0	0	4.3	4	1.6	0	
Total Volatiles Excluding M.C.											0	0	0	0	0	0	2.3	0	0	0	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-16  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride													N.D.	N.D.		N.S.	2.1	4.2	3	N.D.	
Total Volatiles Including M.C.													0	0		0	2.1	4.2	3	0	
Total Volatiles Excluding M.C.													0	0		0	0	0	0	0	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-17  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88					
Methylene Chloride											N.D.	N.D.	N.D.	N.D.	4.1	N.D.	N.D.	N.D.	2.6		N.D.					
1,1-Dichloroethane											2.5	N.D.	N.D.	N.D.	N.D.	1.6	1.4	5.7	6.7		6.8					
1,2-Dichloroethane											N.D.	N.D.	4.8	3.5	11	3.1	6.4	8.1	16		10.9					
Chloroform											13	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		N.D.					
1,2-Dichloroethane											N.D.	N.D.	N.D.	7.5	11	N.D.	13	12	22		17.9					
1,1,1-Trichloroethane											N.D.	N.D.	15	N.D.	N.D.	N.D.	N.D.	N.D.	1.3		N.D.					
-----																										
Total Volatiles Including M.C.											15.5	0	19.8	11	26.1	4.7	20.8	25.8	48.6		35.6					
-----																										
Total Volatiles Excluding M.C.											15.5	0	19.8	11	22	4.7	20.8	25.8	46		35.6					
-----																										

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB  
 \* See HSL/PP summary.



Well Number: B-18  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88
Methylene Chloride												N.D.	65	273	70	153	21	80.3	57		
Total Volatiles Including M.C.												0	65	273	70	153	21	80.3	57		
Total Volatiles Excluding M.C.												0	0	0	0	0	0	0	0		

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB  
\* See HSL/PP summary.

Well Number: B-18A  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride												N.D.	2.1	6.2	N.D.	N.D.	1.6	5.8	1.9	N.D.	
Toluene												N.D.	N.D.	N.D.	4.3	10.5	3.9	10.6	7.1	4.61	
Total Volatiles Including M.C.												0	2.1	6.2	4.3	10.5	5.5	16.4	9	4.81	
Total Volatiles Excluding M.C.												0	0	0	4.3	10.5	3.9	10.6	7.1	4.81	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-19  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.2	5.3	1.4	N.D.	
1,1-Dichloroethane											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.3	N.D.	N.D.	
1,2-Dichloroethane											N.D.	N.D.	N.D.	1.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Trichloroethene											1.4	N.D.	N.D.	55	1.6	N.D.	5.7	18.7	5.9	3.87	
Tetrachloroethene											72	36	107	378	36	28	25	N.D.	58	45	
Chlorobenzene											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	214	N.D.	N.D.	
Total Volatiles Including M.C.											73.4	36	107	434.8	37.6	28	31.9	239.3	65.3	48.87	
Total Volatiles Excluding M.C.											73.4	36	107	434.8	37.6	28	30.7	234	63.9	48.87	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-19A  
\*\*\*\*\*

Sampling was attempted from this well on 3/87, 6/87, 9/87, and 12/87 - dry well.  
This well has not been sampled since 3/88 to present.

Well Number: 8-20  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.6	6.1	1.4	N.D.	N.D.
Trichloroethene											1.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Volatiles Including M.C.											1.2	0	0	0	0	0	1.6	6.1	1.4	0	0
Total Volatiles Excluding M.C.											1.2	0	0	0	0	0	0	0	0	0	0

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-20A  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	2.2	N.D.	N.D.	2.1	5.8	1.8	N.D.	N.D.
Trichloroethene											N.D.	4.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Volatiles Including M.C.											0	4.6	0	2.2	0	0	2.1	5.8	1.8	0	0
Total Volatiles Excluding M.C.											0	4.6	0	0	0	0	0	0	0	0	0

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride																						
Total Volatiles Including M.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volatiles Excluding M.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes: N.S. = No Sample N.D. = Non-Detectable M.C. = Methylene Chloride All Concentrations in PPB																						

Well Number: U-21  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride												N.D.	N.D.	1.5	N.D.	N.D.	2	7.5	1.6	N.D.	N.D.
1,1,1-Trichloroethane												N.D.	3.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Volatiles Including M.C.												0	3.1	1.5	0	0	2	7.5	1.6	0	0
Total Volatiles Excluding M.C.												0	3.1	0	0	0	0	0	0	0	0

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88	
Methylene Chloride												N.S.	11	92	N.S.	N.S.	9	58.8	11			27
1,1-Dichloroethene												N.S.	50	58	N.S.	N.S.	17	65	5.9			24
1,1-Dichloroethane												N.S.	35	128	N.S.	N.S.	30	162	19			99.5
1,2-Dichloroethene												N.S.	189	460	N.S.	N.S.	150	1070	258			535
Chloroform												N.S.	N.D.	84	N.S.	N.S.	N.D.	N.D.	18			N.D.
1,2-Dichloroethane												N.S.	200	940	N.S.	N.S.	89	1130	176			505
1,1,1-Trichloroethane												N.S.	27	690	N.S.	N.S.	64	170	71			133
Trichloroethene												N.S.	10	350	N.S.	N.S.	N.D.	10.4	40			31
Tetrachloroethene												N.S.	6.3	N.D.	N.S.	N.S.	N.D.	8.3	7.3			13
Benzene												N.S.	N.D.	3.6	N.S.	N.S.	N.D.	7.9	N.D.			N.D.
Toluene												N.S.	7.5	55	N.S.	N.S.	3.6	17.7	4.2			13.5
Ethylbenzene												N.S.	N.D.	N.D.	N.S.	N.S.	N.D.	4.8	N.D.			N.D.
T. Xylene												N.S.	N.D.	N.D.	N.S.	N.S.	N.D.	5.8	N.D.			N.D.
Total Volatiles Including M.C.												0	535.8	2860.6	0	0	362.6	2710.7	610.4			1381
Total Volatiles Excluding M.C.												0	524.8	2768.6	0	0	353.6	2651.9	599.4			1354

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB  
\* See HSL/PP summary.

Well Number: B-21B  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	1.3	N.D.	N.D.	N.D.	4.2	1.5	N.D.	N.S.
1,1-Dichloroethene											N.D.	N.D.	N.D.	7.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.
1,1-Dichloroethane											21	20	13	N.D.	N.D.	14.5	4.7	8.9	10	3.84	N.S.
1,2-Dichloroethene											1.9	5.9	6.7	N.D.	5.3	3.1	1.4	1.5	2.5	N.D.	N.S.
1,2-Dichloroethane											2.8	N.D.	9.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.
Trichloroethene											2.5	2.2	N.D.	N.D.	N.D.	N.D.	N.D.	1.1	N.D.	N.D.	N.S.
Total Volatiles Including M.C.											28.2	28.1	29.3	9.1	5.3	17.6	6.1	15.7	14	3.84	0
Total Volatiles Excluding M.C.											28.2	28.1	29.3	7.8	5.3	17.6	6.1	11.5	12.5	3.84	0

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-21C  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											5.3	N.D.	N.D.	N.D.	N.D.	N.D.	1	4.3	1.8	N.D.	
1,1-Dichloroethane											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	14	7.2	1.45	
1,2-Dichloroethene											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.8	1.3	1.28	
Chloroform											1.3	N.D.	N.D.	N.D.	4.4	N.D.	N.D.	N.D.	N.D.	N.D.	
1,2-Dichloroethane											3.2	2.6	N.D.	2.5	N.D.	N.D.	2.1	N.D.	4	10.2	
Toluene											N.D.	N.D.	N.D.	N.D.	6.2	N.D.	N.D.	N.D.	N.D.	N.D.	
Total Volatiles Including M.C.											9.8	2.6	0	2.5	10.6	0	3.1	21.1	14.3	12.93	
Total Volatiles Excluding M.C.											4.5	2.6	0	2.5	10.6	0	2.1	16.8	12.5	12.93	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-22  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.		N.D.	N.D.	N.D.	N.D.	N.D.	4.6	1.6	N.D.	
1,2-Dichloroethene											N.D.		N.D.	N.D.	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	
1,2-Dichloroethane											N.D.		N.D.	N.D.	5.9	N.D.	N.D.	N.D.	N.D.	N.D.	
1,1,1-Trichloroethane											N.D.		N.D.	N.D.	3.4	N.D.	N.D.	N.D.	N.D.	N.D.	
Total Volatiles Including M.C.											0		0	0	11.8	0	0	4.6	1.6	0	
Total Volatiles Excluding M.C.											0		0	0	11.8	0	0	0	0	0	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride																						
Trichloroethene																						
Total Volatiles Including M.C.																						
Total Volatiles Excluding M.C.																						

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-22B  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.		N.D.	N.D.	N.D.	N.D.	1.4	4.4	1.7	N.D.	
Toluene											N.D.		N.D.	2.3	N.D.	N.D.	N.D.	N.D.	N.D.	3.7	
Carbon Tetrachloride											N.D.		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.5	
Total Volatiles Including M.C.											0		0	2.3	0	0	1.4	4.4	1.7	5.2	
Total Volatiles Excluding M.C.											0		0	2.3	0	0	0	0	0	5.2	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-23  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride											N.D.	N.D.	N.D.	1.4	N.D.	N.D.	1.6	6.3	1.5	N.D.		
Total Volatiles Including M.C.											0	0	0	1.4	0	0	1.6	6.3	1.5	0		
Total Volatiles Excluding M.C.											0	0	0	0	0	0	0	0	0	0	0	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-23A  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride											N.D.	N.D.	N.D.	2.2	N.D.	N.D.	1.2	5.7	1.7	N.D.		
Total Volatiles Including M.C.											0	0	0	2.2	0	0	1.2	5.7	1.7	0		
Total Volatiles Excluding M.C.											0	0	0	0	0	0	0	0	0	0	0	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB



Well Number: B-24A  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.		1.8	1.5	N.S.		5.7	1.6	N.D.	N.D.
Toluene											N.D.	N.D.		N.D.	N.D.	N.S.		4.3	N.D.	N.D.	N.D.
Total Volatiles Including M.C.											0	0		1.8	1.5	0		10	1.6	0	0
Total Volatiles Excluding M.C.											0	0		0	0	0		4.3	0	0	0

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-248  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	1.8	N.D.	N.S.	1.4	5.6	1.2	N.D.	
Toluene											N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	2.7	53.4	N.D.	N.D.	
Total Volatiles Including M.C.											0	0	0	1.8	0	0	4.1	59	1.2	0	
Total Volatiles Excluding M.C.											0	0	0	0	0	0	2.7	53.4	0	0	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-25  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride											N.D.	N.D.	N.D.	1.3	N.D.	N.D.	1.1	5	1.8	N.D.	1.4	
Total Volatiles Including M.C.											0	0	0	1.3	0	0	1.1	5	1.8	0	1.4	
Total Volatiles Excluding M.C.											0	0	0	0	0	0	0	0	0	0	0	1.4

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-25A  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	1.1	N.D.	N.D.	1	3.9	1.6	N.D.	
Total Volatiles Including M.C.											0	0	0	1.1	0	0	1	3.9	1.6	0	
Total Volatiles Excluding M.C.											0	0	0	0	0	0	0	0	0	0	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.1	7.1	1.4	N.D.	
1,1,1-Trichloroethane											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.4	N.D.	
Toluene											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5.4	N.D.	N.D.	N.D.	
-----																					
Total Volatiles Including M.C.											0	0	0	0	0	0	6.5	7.1	3.8	0	
-----																					
Total Volatiles Excluding M.C.											0	0	0	0	0	0	5.4	0	2.4	0	
-----																					

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB



Well Number: B-27  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.4	5.7	1.8	N.D.	1.8
1,2-Dichloroethane											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.1	N.D.	N.D.	N.D.
Trichloroethene											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	1.1	N.D.	N.D.
Total Volatiles Including M.C.											0	0	0	0	0	0	1.4	9.3	2.9	0	1.8
Total Volatiles Excluding M.C.											0	0	0	0	0	0	0	3.6	1.1	0	0

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride	N.D.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.												
1,2-Dichloroethene	5.8	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.												
Chloroform	2.2	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.												
Trichloroethene	1.7	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.												
Tetrachloroethene	1.9	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.												
1,1-Dichloroethane	N.D.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.												
Total Volatiles Including M.C.	28.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24.65	24.65
Total Volatiles Excluding M.C.	22.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24.65	24.65

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-28  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.2	6.5	1.5	N.D.	
1,2-Dichloroethene											6.2	N.D.	N.D.	N.D.	2.7	2.3	N.D.	N.D.	N.D.	N.D.	
1,1,1-Trichloroethane											N.D.	N.D.	N.D.	N.D.	1.7	N.D.	N.D.	N.D.	N.D.	N.D.	
Chloroform																					1.75
Total Volatiles Including M.C.											6.2	0	0	0	4.4	2.3	1.2	6.5	1.5		1.75
Total Volatiles Excluding M.C.											6.2	0	0	0	4.4	2.3	0	0	0		1.75

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											N.D.	N.D.	N.D.	1.7	N.D.	N.D.	1.1	N.D.	1.1	1.17	
Vinyl Chloride											4.5	N.D.	N.D.	5.3	52	N.D.	3.6	N.D.	N.D.	N.D.	
1,1-Dichloroethene											N.O.	N.D.	N.D.	1.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
1,1-Dichloroethane											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.4	N.D.	N.D.	N.D.	
1,2-Dichloroethene											7.3	5.6	N.D.	6.3	16	3.5	9.9	1.1	2.2	1.44	
1,1,1-Trichloroethane											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.1	N.D.	
Toluene											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4.3	N.D.	
Chloroform											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7.34	
Total Volatiles Including M.C.											11.8	5.6	0	14.7	68	3.5	17	1.1	8.7	9.95	
Total Volatiles Excluding M.C.											11.8	5.6	0	13	68	3.5	15.9	1.1	7.6	8.78	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-29

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride											19	N.D.	N.D.	1.5	N.D.	N.D.	1.1	6.8	N.D.	N.D.		
Trichloroethene											N.D.	N.D.	7.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
-----																						
Total Volatiles Including M.C.											19	0	7.5	1.5	0	0	1.1	6.8	0	0		
Total Volatiles Excluding M.C.											0	0	7.5	0	0	0	0	0	0	0	0	
-----																						

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-29A  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride											3	N.D.	N.D.	1.3	N.D.	N.D.	1.7	1.8	1.3	N.D.	
Toluene											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.4	N.D.	N.D.	N.D.	
Total Volatiles Including M.C.											3	0	0	1.3	0	0	4.1	1.8	1.3	0	
Total Volatiles Excluding M.C.											0	0	0	0	0	0	2.4	0	0	0	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-30  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride												N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	1.4	N.D.		
Total Volatiles Including M.C.												0	0	0	0	0	0	5	1.4	0		
Total Volatiles Excluding M.C.												0	0	0	0	0	0	0	0	0	0	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-31  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride													N.D.	N.D.		N.S.	2.1	4.5	2.8		N.D.
Total Volatiles Including M.C.													0	0		0	2.1	4.5	2.8		0
Total Volatiles Excluding M.C.													0	0		0	0	0	0		0

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-32  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride												N.D.	N.D.	N.D.	4.6	N.D.	2.1	4.3	1.8	N.D.		
T. Xylene												N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.73	
Total Volatiles Including M.C.												0	0	0	4.6	0	2.1	4.3	1.8	2.73		
Total Volatiles Excluding M.C.												0	0	0	0	0	0	0	0	0	2.73	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-33  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride												N.D.	N.D.	N.D.	N.D.	N.D.	2.2	4.4	1.9	N.D.		
Total Volatiles Including M.C.												0	0	0	0	0	2.2	4.4	1.9	0		
Total Volatiles Excluding M.C.												0	0	0	0	0	0	0	0	0	0	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-34  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride												N.D.	N.D.	N.D.	N.D.	2.6	1.9	4.4	3	N.D.		
1,2-Dichloroethane												N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	N.D.	N.D.	3.5	
Toluene												N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6.8	
-----																						
Total Volatiles Including M.C.												0	0	0	0	3.6	1.9	4.4	3	10.3		
-----																						
Total Volatiles Excluding M.C.												0	0	0	0	1	0	0	0	10.3		
-----																						

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: B-35  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride												N.D.	N.D.	N.D.	10	N.D.	2.2	4.1	1.7	N.D.	
Chloroform												N.D.	N.D.	N.D.	2.6	N.D.	N.D.	N.D.	N.D.	N.D.	
Total Volatiles Including M.C.												0	0	0	12.6	0	2.2	4.1	1.7	0	
Total Volatiles Excluding M.C.												0	0	0	2.6	0	0	0	0	0	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: B-36  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride												N.D.	N.D.	N.D.	N.D.	4	2	3.8	3	N.D.	
Toluene												N.D.	N.D.	5.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Total Volatiles Including M.C.												0	0	5.2	0	4	2	3.8	3	0	
Total Volatiles Excluding M.C.												0	0	5.2	0	0	0	0	0	0	

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Well Number: P-1  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-2  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-3  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-6  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-5  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: □-6  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-7  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-8  
XXXXXXXXXX

This well has not been sampled from 6/83 to present.

Well Number: p-9  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-10  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: SP-1  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride	N.D.		N.D.	60	61	20	N.D.	N.D.	N.D.	N.D.											
Chloroethane	N.D.		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	9.5	N.D.											
1,1-Dichloroethane	N.D.		50	28	550	1280	17	25	310	37											
1,1-Dichloroethane	60		17	54	690	1170	30	67	1100	20											
1,2-Dichloroethane	N.D.		N.D.	N.D.	N.D.	N.D.	2.9	6.4	13	3.3											
Chloroform	N.D.		N.D.	15	N.D.	N.D.	N.D.	N.D.	1.8	N.D.											
1,2-Dichloroethane	N.D.		N.D.	9	N.D.	20	N.D.	N.D.	4.8	N.D.											
1,1,1-Trichloroethane	5500		1680	510	7100	18300	210	450	480	400											
Trichloroethane	170		15	N.D.	120	205	9.6	13	70	26											
1,1,2-Trichloroethane	N.D.		N.D.	N.D.	N.D.	36	N.D.	N.D.	21	N.D.											
Tetrachloroethane	5800		210	320	2200	10900	1010	350	3700	1300											
Benzene	N.D.		N.D.	N.D.	N.D.	2.7	N.D.	N.D.	N.D.	N.D.											
Toluene	210		N.D.	N.D.	23	N.D.	N.D.	N.D.	17	1.6											
Ethylbenzene	2		N.D.	N.D.	N.D.	6.6	N.D.	N.D.	N.D.	N.D.											
T. Xylene	3		N.D.	N.D.	N.D.	2.4	N.D.	N.D.	N.D.	N.D.											
Styrene	N.D.		N.D.	N.D.	N.D.	3.5	N.D.	N.D.	N.D.	N.D.											
-----																					
Total Volatiles Including M.C.	11745		1972	996	10744	31946.2	1279.5	911.4	5727.1	1787.9											
Total Volatiles Excluding M.C.	11745		1972	936	10683	31926.2	1279.5	911.4	5727.1	1787.9											
-----																					

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: SP-2  
\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	8		N.D.	N.D.	N.D.		N.D.	N.D.														
Tetrachloroethene	N.D.		N.D.	N.D.	4.8		N.D.	57														
Toluene	N.D.		N.D.	N.D.	N.D.		N.D.	2														
-----																						
Total Volatiles Including M.C.	8		0	0	4.8		0	59														
Total Volatiles Excluding M.C.	0		0	0	4.8		0	59														
-----																						

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88
Methylene Chloride	180		N.D.	7.2	200		5.6	N.S.													
1,1-Dichloroethene	N.D.		N.D.	N.D.	N.D.		3.2	N.S.													
1,1-Dichloroethane	N.D.	15	N.D.	N.D.	N.D.		9.3	N.S.													
1,2-Dichloroethene	22400		640	150	19500		1350	N.S.													
Chloroform	3300		7	33	2700		170	N.S.													
1,2-Dichloroethane	240		77	1.8	180		44	N.S.													
1,1,1-Trichloroethane	50		49	1.5	110		22	N.S.													
Trichloroethene	50400		26400	360	N.D.		5200	N.S.													
1,1,1-Trichloroethane	N.D.		N.D.	N.D.	84000		N.D.	N.S.													
Tetrachloroethene	60		23	N.D.	N.D.		18	N.S.													
1,2-Dichlorobenzene (o)	7		N.D.	5	N.D.		N.D.	N.S.													
1,4-Dichlorobenzene (p)	10		N.D.	N.D.	N.D.		N.D.	N.S.													
Benzene	550		80	480	540		19	N.S.													
Toluene	310		18	310	460		4.6	N.S.													
Ethylbenzene	23		2	14	17		N.D.	N.S.													
T. Xylene	97		N.D.	61	76		N.D.	N.S.													
Styrene	3		N.D.	3.8	7.4		N.D.	N.S.													
n-Propylbenzene	1		N.D.	N.D.	N.D.		N.D.	N.S.													
Total Volatiles Including M.C.	77631		27311	1427.3	107790.4		6845.7	0													
Total Volatiles Excluding M.C.	77451		27311	1420.1	107590.4		6840.1	0													

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB  
 \* See HSL/PP summary

Well Number: SP-4

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride		3980	8060		2100																	
Vinyl Chloride		510	980		870																	
1,1-Dichloroethene		290	300		110																	
1,1-Dichloroethane		1870	2270		1100																	
1,2-Dichloroethene		31600	35500		27000																	
Chloroform		5690	7800		4700																	
1,2-Dichloroethane		1450	1470		730																	
1,1,1-Trichloroethane		800	1870		690																	
Trichloroethene		8720	14200		N.D.																	
1,1,2-Trichloroethane		N.D.	N.D.		6700																	
Tetrachloroethene		9330	6770		6400																	
1,3-Dichlorobenzene (m)		150	N.D.		N.D.																	
1,2-Dichlorobenzene (o)		3	N.D.		N.D.																	
1,4-Dichlorobenzene (p)		4	N.D.		N.D.																	
Benzene		480	220		720																	
Toluene		9070	1320		7000																	
Ethylbenzene		28	3		33																	
T. Xylene		55	6		67																	
Styrene		62	5		15																	
n-Propylbenzene		12	N.D.		N.D.																	
Total Volatiles Including M.C.		74104	80774		58235																	
Total Volatiles Excluding M.C.		70124	72714		56135																	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: SP-5  
 \*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride	16		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											
1,1-Dichloroethene	N.D.		N.D.	N.D.	N.D.	N.D.	1.4	N.D.	N.D.	N.D.											
1,1-Dichloroethane	N.D.		N.D.	N.D.	N.D.	N.D.	2.8	N.D.	N.D.	N.D.											
1,2-Dichloroethene	N.D.		N.D.	N.D.	N.D.	N.D.	12	N.D.	N.D.	N.D.											
1,2-Dichloroethane	N.D.		N.D.	N.D.	N.D.	N.D.	17	N.D.	N.D.	N.D.											
1,1,1-Trichloroethane	N.D.		N.D.	N.D.	N.D.	N.D.	5.9	N.D.	N.D.	N.D.											
Trichloroethene	N.D.	6	N.D.	N.D.	N.D.	N.D.	3	N.D.	N.D.	N.D.											
1,1,2-Trichloroethane	N.D.		N.D.	N.D.	1.3	N.D.	N.D.	N.D.	N.D.	N.D.											
Tetrachloroethene	N.D.		N.D.	N.D.	N.D.	N.D.	2.1	N.D.	N.D.	N.D.											
Toluene	N.D.		N.D.	N.D.	3.6	N.D.	2	1.6	N.D.	N.D.											

-----  
 Total Volatiles Including M.C.    16                    6            0            4.9            0            46.2            1.6            0            0

Total Volatiles Excluding M.C.    0                    6            0            4.9            0            46.2            1.6            0            0  
 -----

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: SP-6  
\*\*\*\*\*

This well sampled 12/83, 3/84, 12/84, 3/85 - all volatiles non-detectable.

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	1400	21	24	N.D.	29	20		11		N.D.												
Vinyl Chloride	N.D.	550	43	N.D.	N.D.	240		78		N.D.												
Fluorotrichloromethane	N.D.	N.D.	7	N.D.	N.D.	N.D.		2.3		N.D.												
1,1-Dichloroethene	N.D.	320	150	2.3	110	290		120		6.5												
1,1-Dichloroethane	540	330	180	2.2	110	330		200		15												
1,2-Dichloroethene	13000	4400	1850	2.9	1400	3670		990		73												
Chloroform	2960	160	62	N.D.	N.D.	N.D.		6.2		N.D.												
1,2-Dichloroethane	380	102	31	N.D.	21	84		56		1.4												
1,1,1-Trichloroethane	440	2950	2810	52	2200	2950		1190		150												
Trichloroethene	4110	1300	540	19	630	680		310		22												
Tetrachloroethene	4380	220	85	4.4	230	240		160		8.3												
1,4-Dichlorobenzene (p)	6	N.D.	N.D.	N.D.	N.D.	N.D.		N.D.		N.D.												
Benzene	15	33	15	N.D.	1.4	33		5		N.D.												
Toluene	N.D.	2	N.D.	N.D.	N.D.	N.D.		1.9		N.D.												
T. Xylene	2	92	1	N.D.	N.D.	4.9		N.D.		N.D.												
Total Volatiles Including M.C.	27233	10488	5798	82.8	4731.4	8541.9		3138.4		276.2												
Total Volatiles Excluding M.C.	25833	10459	5774	82.8	4702.4	8521.9		3119.4		276.2												

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: W-1

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride	8	N.D.	N.D.	N.D.	N.D.	N.D.					4.1	N.D.	N.D.	N.D.	N.S.	N.D.	1.3	5.1	1.4	N.D.		
1,1-Dichloroethene	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.					2.3	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
1,1-Dichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.					6.7	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
1,2-Dichloroethene	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.					5.2	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
1,2-Dichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.					7.3	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
1,1,1-Trichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.					8.2	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
Trichloroethene	N.D.	N.D.	9	N.D.	N.D.	N.D.					2.9	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
Tetrachloroethene	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.					1.2	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
Benzene	N.D.	N.D.	N.D.	4.3	N.D.	N.D.					N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
Toluene	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.					1.4	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.		
Total Volatiles Including M.C.	8	0	9	4.3	0	0					39.3	0	0	0	0	0	1.3	5.1	1.4	0		
Total Volatiles Excluding M.C.	0	0	9	4.3	0	0					35.2	0	0	0	0	0	0	0	0	0	0	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
Methylene Chloride	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.4	N.D.	N.D.	N.D.	N.D.	1.3	N.D.	N.D.
Vinyl Chloride	N.D.	N.D.	N.D.	N.D.	N.D.	4.1	N.D.	N.D.	N.D.												
1,1-Dichloroethene	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
1,1-Dichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6.1	N.D.	N.D.	N.D.	N.D.	4.6	1	N.D.	N.D.	1.5	N.D.
1,2-Dichloroethene	N.D.	3	N.D.	4.6	N.D.	3.8	2.6	6.3	16	16	12	20	33	22	8.8	51	27	3.7	39	34	N.D.
Chloroform	N.D.	N.D.	N.D.	N.D.	N.D.	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
1,2-Dichloroethane	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.1	N.D.	N.D.	12	3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Trichloroethene	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrachloroethene	N.D.	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzene	N.D.	1	N.D.	8.1	N.D.	N.D.	N.D.	N.D.	N.D.												
Toluene	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Volatiles Including M.C.	0	11	0	12.7	0	8.8	2.6	8.4	16	16	39.7	23	33	23.4	8.8	55.6	28	7.8	40.3	35.5	
Total Volatiles Excluding M.C.	0	11	0	12.7	0	8.8	2.6	8.4	16	16	39.7	23	33	22	8.8	55.6	28	7.8	39	35.5	

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Well Number: W-3

\*\*\*\*\*

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88
Methylene Chloride	90	110	16	180	140	60	N.D.	86	44	62	21	20	20	60	38	16	19	N.S.	10.4		
1,1-Dichloroethene	20	61	7	60	44	34	N.D.	78	53	44	29	39	31	70	53	30	21	N.S.	11		
1,1-Dichloroethane	40	72	27	99	87	70	N.D.	N.D.	140	128	75	115	92	190	280	105	54	N.S.	41		
1,2-Dichloroethene	180	420	130	470	790	600	2.5	510	58	450	250	532	556	910	1230	604	317	N.S.	500		
Chloroform	20	14	N.D.	130	N.D.	N.D.	N.D.	43	36	27	33	N.D.	2.5	N.D.	N.D.	16	N.D.	N.S.	230		
1,2-Dichloroethane	1020	1510	240	1440	1300	940	N.D.	1950	680	590	800	652	472	1500	1150	661	274	N.S.	N.D.		
1,1,1-Trichloroethane	470	510	31	600	400	200	N.D.	690	460	330	710	352	165	730	520	174	107	N.S.	70		
Trichloroethene	290	380	53	470	240	140	N.D.	260	230	150	84	61	45	210	91	48	26	N.S.	25		
Tetrachloroethene	60	99	5	120	58	6.7	N.D.	104	72	59	33	30	19	78	24	15	5	N.S.	5.8		
Benzene	4	5	2	1.8	2.9	1.3	N.D.	7.2	3.7	5.3	4.2	N.D.	5.7	7.7	N.D.	4.8	N.D.	N.S.	N.D.		
Toluene	100	69	19	120	100	N.D.	N.D.	130	72	54	32	33	45	63	58	20	1	N.S.	9.8		
Ethylbenzene	1	1	N.D.	1.5	1.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.		
T. Xylene	11	8	N.D.	15.3	11.3	6.5	N.D.	N.D.	N.D.	5.5	4.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.		
n-Propylbenzene	3	2	N.D.	3.2	N.D.	1.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.		
Total Volatiles Including M.C.	2259	3261	530	3710.8	3174.4	2059.8	2.5	3858.2	1848.7	1904.8	2076.1	1834	1443.2	3818.7	3444	1693.8	824	0	903		
Total Volatiles Excluding M.C.	2169	3151	514	3530.8	3034.4	1999.8	2.5	3772.2	1804.7	1842.8	2055.1	1814	1423.2	3758.7	3406	1677.8	805	0	892.6		

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB  
\* See HSL/PP summary.

Organic Parameter 6/83 9/83 12/83 3/84 6/84 9/84 12/84 3/85 6/85 9/85 12/85 3/86 6/86 9/86 12/86 3/87 6/87 9/87 12/87 3/88 6/88  
\*\*\*\*\*

Toluene 3  
\*\*\*\*\*

Total Volatiles, Including M.C. 3  
\*\*\*\*\*

Total Volatiles Excluding M.C. 3  
\*\*\*\*\*

Notes: N.S. = No Sample  
M.D. = Non-Detectable  
M.C. = Methylene Chloride  
All Concentrations in PPB

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride																						1.8
1,1-Dichloroethene																						31.6
1,1-Dichloroethane																						75.6
1,2-Dichloroethene																						83.8
Chloroform																						2.2
1,2-Dichloroethane																						1800
Tetrachloroethene																						10.3
Benzene																						6.8
Toluene																						20.3
Trichloroethylene																						27.2
-----																						
Total Volatiles Including M.C.																						2059.6
Total Volatiles Excluding M.C.																						2057.8

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB

Organic Parameter	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
Methylene Chloride																					209	
1,1-Dichloroethene																					28	
1,1-Dichloroethane																					18.7	
1,2-Dichloroethene																					83.5	
Chloroform																					57.4	
1,2-Dichloroethane																					1880	
1,1,1-Trichloroethane																					4.8	
Trichloroethene																					75.1	
1,1,2-Trichloroethane																					22.8	
Tetrachloroethene																					952	
Benzene																					24.2	
Toluene																					19700	
T. Xylene																					2.1	
-----																						
Total Volatiles Including M.C.																					23057.6	
-----																						
Total Volatiles Excluding M.C.																					22848.6	
-----																						

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 M.C. = Methylene Chloride  
 All Concentrations in PPB



**Appendix B**

Well Number: B-1  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
PH	8.3	8.7	8.7	8.15	8.58	9.01	8.5	8.3	8.2	8.3											8.62	N.S.
SPECIFIC CONDUCTIVITY(umho/cm)	243	300	230	444	4000	290	342	300	320	340											555	N.S.
ARSENIC (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	4.9											N.D.	N.S.
COPPER (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	19	N.D.											50	N.S.
ZINC (PPB)	N.D.	70	330	150	70	90	43	260	220	25											N.S.	N.S.
STATIC WATER LEVEL (feet)																					N.D.	N.S.

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-2

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH	7.9	8.7	8.2	7.78	8.4	8.29	8.2	8	8.5	7.9											8.64	
SPECIFIC CONDUCTIVITY(umho/cm)	352	275	210	427	400	351	365	400	350	440											625	
COPPER (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											72	
ZINC (PPB)	30	20	N.D.	170	320	42	12	140	160	300											N.S.	
STATIC WATER LEVEL (feet)																					3.5	7.9

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-3

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	7/88	6/88	
pH	8.6	8.4	8.3	7.32	8.11	7.63	7.75	8.1	7.5	7.6											7.77	
SPECIFIC CONDUCTIVITY(umho/cm)	238	250	210	418	429	340	353	425	320	340											540	
ARSENIC (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.1	4											N.D.	
COPPER (PPB)	N.D.	80	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25	N.D.											36	
LEAD (PPB)	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.											12	
ZINC (PPB)	N.D.	30	N.D.	40	N.D.	40	N.D.	100	100	70											N.S.	
STATIC WATER LEVEL (feet)																					4.9	9.2

\*\*\*\*\*

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-4  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: B-5

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH	9	8.5	8.1	6.65	7.3	7.14	7.2	7.6	8.3	7											7.56	
SPECIFIC CONDUCTIVITY(umho/cm)	238	220	200	418	321	295	239	285	250	290											468	
ARSENIC (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	2	N.D.											N.D.	
COPPER (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	19	N.D.											22	
ZINC (PPB)	220	20	390	170	100	290	N.D.	160	170	550											N.S.	
STATIC WATER LEVEL (feet)																					6	10

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-6

ANALYTE 6/83 9/83 12/83 3/84 6/84 9/84 12/84 3/85 6/85 9/85 12/85 3/86 6/86 9/86 12/86 3/87 6/87 9/87 12/87 3/88 6/88

PH  
SPECIFIC CONDUCTIVITY(umho/cm)  
COOPER (ppb)  
STATIC WATER LEVEL (feet)

Notes: N.D. = No Sample  
N.D. = Non-Detectable

7.38  
555  
24  
3  
7.3

Well Number: B-7  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH	8.7	8.4	7.9	7.09	8.63	7.18	7.8	7.45	6.7	6.9											8.61	
SPECIFIC CONDUCTIVITY(umho/cm)	443	450	670	1422	1357	985	707	1000	570	1400											1180	
ARSENIC (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	3.8	4											N.D.	
COPPER (PPB)	N.D.	480	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	19	N.D.												77
LEAD (ppb)	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.												32
ZINC (PPB)	330	250	140	1300	370	3000	23	N.S.	2000	4300												N.S.
STATIC WATER LEVEL (feet)																						5.2
*****																						

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-7A

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH																						
SPECIFIC CONDUCTIVITY (umho/cm)																						
COPPER (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	36																
LEAD (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	6.6																
STATIC WATER LEVEL (feet)																						3.4
																						8.7

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-8

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88		
pH	8	8.8	8.5	7.4	7.97	7.86	8.7	7.95	7.35	8.5											8.33		
SPECIFIC CONDUCTIVITY(umho/cm)	410	400	300	622	643	494	456	525	195	500											520		
ARSENIC (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3.1	N.D.											N.D.		
COPPER (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	19	20											N.D.		
ZINC (PPB)	210	30	50	20	N.D.	520	10	110	200	59											N.S.		
STATIC WATER LEVEL (feet)																						3.8	10.2

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-8A  
\*\*\*\*\*

ANALYTE  
6/83 9/83 12/83 3/84 6/84 9/84 12/84 3/85 6/85 9/85 12/85 3/86 6/86 9/86 12/86 3/87 6/87 9/87 12/87 3/88 6/88

pH

SPECIFIC CONDUCTIVITY(umho/cm)

COPPER (PPB)

LEAD (PPB)

STATIC WATER LEVEL (feet)

Notes: N.S. = No Sample  
N.D. = Non-Detectable

7.69  
700  
29  
28  
5  
11

Well Number: B-9

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH	7.1	6	6.8	6.33	6.55	6.17	6.4	7	6	6.4	6.6	N.S.	N.S.	N.S.	N.S.	N.S.	6.9	6.3	6.82	6.1	
SPECIFIC CONDUCTIVITY(umho/cm)	302	300	225	409	379	308	353	280	260	350	290	N.S.	N.S.	N.S.	N.S.	N.S.	290	360	3500	490	
ARSENIC (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	2	3.9	8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
COPPER (PPB)	N.D.	230	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	39	N.D.	65	62	40	33	29	56	N.D.	109	N.D.	N.D.
ZINC (PPB)	640	1150	240	1100	750	1100	470	1900	2600	12000	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
LEAD (PPB)	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5.1	N.D.	N.D.
STATIC WATER LEVEL (feet)																5.9		12.3	5.5	6.8	9.6

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-9A

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											7.15	N.S.	N.S.	N.S.	N.S.	N.S.	7.2	N.S.	7.42	7.31	
SPECIFIC CONDUCTIVITY(umho/cm)											750	N.S.	N.S.	N.S.	N.S.	N.S.	425	N.S.	2.75	670	
ARSENIC (PPB)											18	4.8	N.D.	2.2	N.D.	N.D.	2.2	N.S.	N.D.	N.D.	
COPPER (PPB)											93	76	56	42	21	83	26	N.S.	40	109	
LEAD (PPB)											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	11	
NICKEL (PPB)											N.D.	41	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	
STATIC WATER LEVEL (feet)																6.1	8.7	DRY WELL	6	4.8	9.9

Notes: N.S. = No Sample  
N.D. = Non-Detectable

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH	6.9	6.9	7.7	7.12	N.S.	7.35																
SPECIFIC CONDUCTIVITY(umho/cm)	499	350	255	409	N.S.	393																
COPPER (PPB)	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.																
ZINC (PPB)	80	10	N.D.	200	N.S.	20																
STATIC WATER LEVEL (feet)																						
*****																						
Notes: N.S. = No Sample																						
N.D. = Non-Detectable																						

7.67  
540  
42  
N.S.  
4.3  
7.8

Well Number: B-11

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88		
pH	7.7	7.9	7.7	7.03	7.89	7.52	7	7.55	7	7.4											8.08		
SPECIFIC CONDUCTIVITY(umho/cm)	265	240	185	329	286	290	262	250	220	260											410		
COPPER (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	110	N.D.	N.D.	19	N.D.											27		
SELENIUM (PPB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	N.D.											N.D.		
ZINC (PPB)	40	130	50	100	N.D.	170	28	340	220	1000											N.S.		
STATIC WATER LEVEL (feet)																						3.7	8.3

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-12

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH	7	7.6	7.6	6.38	7.49	6.89	6.65	6.85	6.7	6.6											7.36	
SPECIFIC CONDUCTIVITY(umho/cm)	254	250	160	311	243	201	228	200	175	200											445	
COPPER (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.											58	
ZINC (ppb)	370	40	N.D.	530	N.D.	120	110	750	320	750											N.S.	
STATIC WATER LEVEL (feet)																					2.8	7.9

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-13  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
SPECIFIC CONDUCTIVITY(umho/cm)																					8.6	
LEAD (PPB)																					875	
STATIC WATER LEVEL (feet)																					13	
																					2.3	5

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-13A  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
SPECIFIC CONDUCTIVITY(umho/cm)																					8.74	
PH																					520	
ARSENIC (PPB)																					2	
LEAD (PPB)																					11	
STATIC WATER LEVEL (feet)																					3.8	6.8

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-14

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH													N.S.	N.S.	N.S.	N.S.	N.S.	8.63	8.9	8.91	
SPECIFIC CONDUCTIVITY(umho/cm)													N.S.	N.S.	N.S.	N.S.	N.S.	2500	2500	1510	
ARSENIC (ppb)													2.2	4	6	N.S.	N.S.	8.4	19.2	N.O.	
LEAD (ppb)													N.D.	N.O.	N.O.	N.S.	N.S.	N.D.	N.O.	18	
STATIC WATER LEVEL (feet)																FROZEN		5.7	1	0.3	2.7

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-14A

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
SPECIFIC CONDUCTIVITY(umho/cm)											8.1	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	7.29	8.49	9.02	
ARSENIC (ppb)											350	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	310	375	410	
COPPER (ppb)											9.2	N.S.	2	N.D.	N.D.	2.8	N.S.	3.2	N.D.	N.D.	
STATIC WATER LEVEL (feet)											N.D.	N.S.	25	30	27	25	N.S.	28	22	29	
																3.3		8.4	2.1	3	7.1

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-15  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											8.75	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	7.67	8.46	8.82	
SPECIFIC CONDUCTIVITY(umho/cm)											1560	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1720	1775	860	
ARSENIC (ppb)											30	N.S.	5.2	3	N.S.	N.S.	N.S.	3	10.8	N.D.	
LEAD (ppb)											N.S.	N.S.	53	N.D.	N.S.	N.S.	N.S.	N.D.	N.D.	N.D.	
STATIC WATER LEVEL (feet)																FROZEN		6.8	1.2	2.8	5.3

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-15A

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											8.35	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	8.64	8.89	9.01	
SPECIFIC CONDUCTIVITY(umho/cm)											450	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	500	550	680	
ARSENIC (ppb)											5	2	N.D.	N.D.	N.D.	N.S.	N.S.	3	N.D.	N.D.	
COPPER (ppb)											N.D.	50	54	53	45	N.D.	N.S.	N.D.	42	24	
LEAD (ppb)											N.D.	67	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	5.4	N.D.	
STATIC WATER LEVEL (feet)																3.4		7	2.5	1.5	7.6

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: 8-16  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH													N.S.	N.S.	N.S.	N.S.	8.1	8.31	8.98	9.04	
SPECIFIC CONDUCTIVITY(umho/cm)													N.S.	N.S.	N.S.	N.S.	1500	3400	1600	990	
ARSENIC (ppb)													3	4	N.S.	N.S.	19.2	9	5.8	N.D.	
COPPER (ppb)													N.D.	20	N.S.	N.S.	N.D.	N.D.	N.D.	N.D.	
LEAD (ppb)													115	N.D.	N.S.	N.S.	N.D.	N.D.	N.D.	N.D.	
STATIC WATER LEVEL (feet)																FROZEN	4.6	6.1	1.1	1.4	5.3

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-17  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88
PH											8.85	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	8.19	8.41		8.22
SPECIFIC CONDUCTIVITY(umho/cm)											810	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	950	625		8.25
ARSENIC (ppb)											11	6.4	11	N.D.	4.8		9	8.2	6.4		8.4
STATIC WATER LEVEL (feet)																3.1		7.9	2.1	2.9	8

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
\* See HSL/PP summary.

Well Number: B-17A

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
P <sup>H</sup>											9.3	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	7.83	8.37	8.71	8.44
SPECIFIC CONDUCTIVITY(umho/cm)											340	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	510	610	680	445
ARSENIC (ppb)											N.D.	N.D.	N.D.	N.D.	N.D.	2	N.S.	N.D.	N.D.	N.D.	N.D.
COPPER (ppb)											N.D.	22	N.D.	21	26	N.D.	N.S.	50	24	23	20
LEAD (ppb)											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	30	N.D.
STATIC WATER LEVEL (feet)																3.8		7.9	1	4.2	9

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-1B  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88
pH												N.S.	N.S.	N.S.	N.S.	N.S.	8.7	8.28	8.74		
SPECIFIC CONDUCTIVITY(umho/cm)												N.S.	N.S.	N.S.	N.S.	N.S.	1230	1280	1250		
ARSENIC (ppb)												4.2	2.4	N.D.	N.D.	N.D.	2	7.8	N.D.		
COPPER (ppb)												39	20	32	N.D.	N.D.	N.D.	N.D.	N.D.		
STATIC WATER LEVEL (feet)																8.4	15.6	11.4	5	15.6	19.3

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
\* See HSL/PP summary.



Well Number: B-19  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											8.55	N.S.	N.S.	N.S.	N.S.	N.S.	8.1	7.57	8.53	7.99	
SPECIFIC CONDUCTIVITY(umho/cm)											3100	N.S.	N.S.	N.S.	N.S.	N.S.	4020	1680	1600	2700	
ARSENIC (ppb)											17	31.2	41	38	21	44.8	80	36.8	20.6	11.3	
COPPER (ppb)											N.D.	N.D.	N.D.	N.D.	23	21	N.D.	N.D.	N.D.	N.D.	
SELENIUM (ppb)											N.D.	N.D.	N.D.	3.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
LEAD (ppb)											N.D.	104	60	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
STATIC WATER LEVEL (feet)																8.4	8.7	9.7	8.3	8.2	8.9

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: 8-20  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
PH											9.2	N.S.	N.S.	N.S.	N.S.	N.S.	8.6	8.49	8.95	9.01	8.73	
SPECIFIC CONDUCTIVITY(umho/cm)											1760	N.S.	N.S.	N.S.	N.S.	N.S.	1850	2000	3800	1710	1925	
ARSENIC (ppb)											N.D.	3.6	2.8	N.D.	N.D.	N.S.	4	4	2.8	N.D.	N.D.	
COPPER (ppb)											N.D.	21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
LEAD (ppb)											N.D.	78	N.D.	N.D.	N.D.	N.D.	N.D.	13	N.D.	N.D.	N.D.	
NICKEL (ppb)											N.D.	50	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
STATIC WATER LEVEL (feet)																	6.7	8.2	11.5	8	6.5	9.1

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-Z0A  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
SPECIFIC CONDUCTIVITY(umho/cm)											9.9	N.S.	N.S.	N.S.	N.S.	N.S.	9.5	9.07	9.49	9.4	9.25
ARSENIC (ppb)											425	N.S.	N.S.	N.S.	N.S.	N.S.	400	360	950	550	340
COPPER (ppb)											2.8	21.4	13.4	3.4	3.2	3	4	2.8	20.6	N.D.	N.D.
LEAD (ppb)											46	27	56	41	N.D.	N.D.	N.D.	N.D.	23	20	N.D.
NICKEL (ppb)											379	562	1250	345	300	291	270	211	343	N.D.	74
STATIC WATER LEVEL (feet)											N.D.	62	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.	49	N.D.	N.D.
																	8	8.8	8	6.7	9.9

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-208  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											6.85	N.S.	N.S.	N.S.	N.S.	N.S.	6.4	6.4	6.8	6.96	
SPECIFIC CONDUCTIVITY(umho/cm)											2800	N.S.	N.S.	N.S.	N.S.	N.S.	3500	3200	3500	3400	
ARSENIC (ppb)											2.8	4.2	3.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
COPPER (ppb)											N.D.	59	37	46	36	N.D.	N.D.	42	32	26	
LEAD (ppb)											379	314	192	260	181	39	119	324	167	180	
NICKEL (ppb)											N.D.	75	N.S.	50	N.D.	N.D.	N.D.	44	56	87	
STATIC WATER LEVEL (feet)																7.4	7.8	9	6	6.6	9.6

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-21  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
PH																						
SPECIFIC CONDUCTIVITY(umho/cm)												N.S.	N.S.	N.S.	N.S.	N.S.	8.6	8.48	8.91	9.05	8.56	
ARSENIC (ppb)												N.S.	N.S.	N.S.	N.S.	N.S.	1650	1520	1225	1250	1055	
COPPER (ppb)												19.4	20.2	6.8	19	22.7	11.6	24.8	18.9	N.D.	N.D.	
STATIC WATER LEVEL (feet)												21	25	22	N.D.	N.D.	N.D.	29	N.D.	N.D.	N.D.	
																4.2	5.4	8.4	6.5	3.9	6.7	

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-21A  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88
pH													N.S.	N.S.	N.S.	N.S.	8.3	7.93	8.1		7.94
SPECIFIC CONDUCTIVITY(umho/cm)													N.S.	N.S.	N.S.	N.S.	410	400	450		345
ARSENIC (ppb)													8	15	N.S.	N.S.	12	24.2	26.2		N.D.
COPPER (ppb)													20	34	N.S.	N.S.	N.D.	N.D.	N.D.		N.D.
LEAD (ppb)													57	130	N.S.	N.S.	95	131	72		51
NICKEL (ppb)													N.S.	63	N.S.	N.S.	N.O.	N.O.	N.D.		N.D.
STATIC WATER LEVEL (feet)															FROZEN	FROZEN	4.6	8	6.5	2.3	6.2

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 \* See HSL/PP Summary.

Well Number: B-21B  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											7.4	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	6.75	7.58	7.36	N.S.
SPECIFIC CONDUCTIVITY(umho/cm)											1025	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1120	1225	1240	N.S.
ARSENIC (ppb)											3	22.8	3.6	N.D.	2.8	N.D.	N.S.	4	5.8	N.D.	N.S.
COPPER (ppb)											N.D.	27	25	23	48	N.D.	N.S.	N.D.	55	N.D.	N.S.
LEAD (ppb)											279	430	271	264	90	103	N.S.	157	156	89	N.S.
NICKEL (ppb)											80	156	N.S.	66	50	N.D.	N.S.	N.D.	N.D.	N.D.	N.S.
STATIC WATER LEVEL (feet)																5.3		6.5	5		5

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-21C  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
SPECIFIC CONDUCTIVITY(umho/cm)	9.1	N.S.	N.S.	N.S.	N.S.																
ARSENIC (ppb)	550	N.S.	N.S.	N.S.	N.S.																
COPPER (ppb)	3.8	6.6	9.8	20	N.D.	336	447	439	N.D.	43	28	379	379	179	298	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
LEAD (ppb)	8.8	3.8	6.6	9.8	20	N.D.	336	447	N.D.	43	28	379	379	179	298	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
STATIC WATER LEVEL (feet)	4.7	2.5	6.5	109	169	178	73	258	109	169	178	73	258	109	169	178	73	258	109	169	178

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-22  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											8.8	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	10.89	9.22	8.98	
SPECIFIC CONDUCTIVITY(umho/cm)											560	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	625	700	700	
COPPER (ppb)											840	N.S.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	
LEAD (ppb)											N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	6.7
STATIC WATER LEVEL (feet)																12.4		18	13.2	12.3	

Notes: N.S. = No Sample  
N.D. = Non-Detectable



Well Number: B-22B  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											8.85	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	10.9	8.57	8.86	
SPECIFIC CONDUCTIVITY(umho/cm)											560	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	325	500	600	
COPPER (ppb)											55	N.S.	20	20	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	
LEAD (ppb)											N.D.	N.S.	N.D.	217	90	53	N.S.	136	74	65	
STATIC WATER LEVEL (feet)																11.2		18.5	12.2	11.2	14.6

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
na/cm)										6.8	N.S.	N.S.	N.S.	N.S.	N.S.	7.3	6.99	7.15	7.02		
										1200	N.S.	N.S.	N.S.	N.S.	N.S.	1180	1200	1230	510		
										6.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
										N.D.	N.D.	N.D.	28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	46	
										N.D.	69	N.D.	N.D.	N.D.	N.D.	4.9	7	11.1	5.7	105	
																			5.5	4.6	8.6

Date	Value	Unit
6/83	9.25	N.S.
6/83	5.75	N.S.
6/83	2.5	N.S.
6/83	2.12	N.D.
6/83	205	N.D.
3/86	168	N.D.
3/86	160	N.S.
9/86	242	N.D.
9/86	27	N.D.
12/86	203	N.D.
3/87	203	N.D.
3/87	3.4	N.D.
6/87	9.6	N.S.
6/87	33.6	N.D.
9/87	9.16	N.D.
9/87	290	N.D.
12/87	9.54	N.D.
3/88	9.15	N.D.
3/88	500	N.D.
3/88	173	N.D.
3/88	3.5	N.D.
6/88	7.5	N.D.

ble

(d/cm)

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
SPECIFIC CONDUCTIVITY(umho/cm)	9.8	2000	N.S.	N.S.	N.S.	N.S.																
ARSENIC (ppb)	9	N.D.	N.D.	N.D.	N.D.	N.D.																
COPPER (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.																
SELENIUM (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.																
LEAD (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.																
STATIC WATER LEVEL (feet)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.																
PH	9.01	1830	8.63	7.6	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

FROZEN

Well Number: B-24A  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											12.3	N.S.	N.S.	N.S.	N.S.	N.S.	10.9	13.6	11.62	11.64	10.79
SPECIFIC CONDUCTIVITY(umho/cm)											3400	N.S.	N.S.	N.S.	N.S.	N.S.	1450	1250	1050	1140	780
ARSENIC (ppb)											N.D.	N.D.	N.S.	N.D.	2.6	N.S.	2.1	4.4	7.4	N.D.	N.D.
COPPER (ppb)											N.D.	N.D.	N.S.	100	39	N.S.	N.D.	N.D.	22	N.D.	259
LEAD (ppb)											3400	84	N.S.	2980	2550	N.S.	644	977	423	303	N.D.
NICKEL (ppb)											51	N.D.	N.S.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.
STATIC WATER LEVEL (feet)																FROZEN	6	10.8	5	4	7.1

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-24B

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											9.9	N.S.	N.S.	N.S.	N.S.	N.S.	9.4	10.1	8.93	9.28	
SPECIFIC CONDUCTIVITY(umho/cm)											360	N.S.	N.S.	N.S.	N.S.	N.S.	295	350	425	520	
COPPER (ppb)											N.D.	N.D.	N.D.	104	31	N.S.	71	23	24	N.D.	
SELENIUM (ppb)											N.D.	N.D.	N.D.	8.6	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	
LEAD (ppb)											N.D.	168	N.D.	71	N.D.	N.S.	71	69	29	59	
STATIC WATER LEVEL (feet)																FROZEN	6.3	10.8	5	4	8.8

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-25

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											11.3	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	8.33	8.48	8.21	8.02
SPECIFIC CONDUCTIVITY(umho/cm)											810	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	880	6500	950	785
ARSENIC (ppb)											6.6	2.8	5.2	N.D.	N.D.	N.S.	N.S.	N.D.	N.D.	N.D.	N.D.
STATIC WATER LEVEL (feet)																6	7	5.3	6	6	7.2

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-25A

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	8.66	9.19	9.97	
SPECIFIC CONDUCTIVITY(umho/cm)											475	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	340	390	510	
ARSENIC (ppb)											12	6.2	7.4	4.6	6	3.6	N.S.	5.2	5	N.D.	
COPPER (ppb)											42	28	32	28	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	
LEAD (ppb)											N.D.	87	80	164	53	39	N.S.	55	108	N.D.	
NICKEL (ppb)											N.D.	N.D.	N.S.	50	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	
STATIC WATER LEVEL (feet)																4.7	4.9	4.9	5	4.2	5.5

Notes: N.S. = No Sample  
 N.D. = Non-Detectable



ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
SPECIFIC CONDUCTIVITY(umho/cm)	9.55	N.S.	N.S.	N.S.	N.S.	N.S.																
ARSENIC (ppb)	760	N.S.	N.S.	N.S.	N.S.	N.S.																
COPPER (ppb)	5	N.S.	N.S.	N.S.	N.S.	N.S.																
LEAD (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.																
STATIC WATER LEVEL (feet)	52	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
PH	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-27  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
SPECIFIC CONDUCTIVITY(umho/cm)	11.9	1925	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	16.3	92	9.6	N.S.	N.S.	9.5	8.89	8.68	8.28	8.45	N.D.
ARSENIC (ppb)	11	N.D.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	16.3	92	9.6	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.
COPPER (ppb)	11	N.D.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	16.3	92	9.6	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.
LEAD (ppb)	67	N.D.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	6.3	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.
NICKEL (ppb)	N.D.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	6.3	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.
STATIC WATER LEVEL (feet)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	13.6	N.D.	N.D.	N.D.	N.D.	12	12.4	11.5	12	12.4	12.4

Notes: N.S. = No Sample  
N.D. = Non-Detectable



Well Number: B-28

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH											8.1	N.S.	N.S.	N.S.	N.S.	N.S.	7.9	7.96	7.39	7.41		
SPECIFIC CONDUCTIVITY(umho/cm)											1225	N.S.	N.S.	N.S.	N.S.	N.S.	1100	1020	1210	1000		
ARSENIC (ppb)											2.6	N.D.	N.D.	N.D.	N.D.	4.2	5.2	6	N.D.	N.D.		
COPPER (ppb)											N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	37	
LEAD (ppb)											N.D.	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	13	44	
STATIC WATER LEVEL (feet)																7.6	8.5	9.8	7	7		8.5

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-28A

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											7.15	N.D.	N.D.	N.D.	N.D.	N.D.	7.4	6.71	7.09	7.36	
SPECIFIC CONDUCTIVITY(umho/cm)											1425	N.D.	N.D.	N.D.	N.D.	N.D.	1540	1350	1250	1000	
ARSENIC (ppb)											9.2	20.2	44.2	37	15	3.2	9.2	19.4	22	25	
COPPER (ppb)											N.D.	22	N.D.	36	N.D.	N.D.	N.D.	N.D.	N.D.	24	
LEAD (ppb)											N.D.	101	89	N.D.	N.D.	59	N.D.	45	33	44	
NICKEL (ppb)											62	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	61	
STATIC WATER LEVEL (feet)																7.2	7.5	7.5	7	6.7	8.9

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-29  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											10.1	N.S.	N.S.	N.S.	N.S.	N.S.	9.1	8.66	9.02	8.97	
SPECIFIC CONDUCTIVITY(umho/cm)											980	N.S.	N.S.	N.S.	N.S.	N.S.	900	870	950	1000	
ARSENIC (ppb)											32	5.8	2.9	N.D.	N.D.	2.1	2.2	3	3.8	N.D.	
COPPER (ppb)											35	N.D.	N.D.	23	N.D.	N.D.	N.D.	89	N.D.	21	
SELENIUM (ppb)											N.D.	N.D.	N.D.	68	N.D.	N.D.	N.D.	N.D.	N.D.	8.4	
LEAD (ppb)											N.D.	78	N.D.	81	N.D.	N.D.	N.D.	8.3	6	9.2	
STATIC WATER LEVEL (feet)																11.3	11.5	12	10.3	11	11.9

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: B-29A

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH											8.7	N.S.	N.S.	N.S.	N.S.	N.S.	10.3	8.99	9.79	9.35	
SPECIFIC CONDUCTIVITY(umho/cm)											575	N.S.	N.S.	N.S.	N.S.	N.S.	264	250	320	500	
ARSENIC (ppb)											2.6	N.D.	2.4	N.D.	N.D.	N.D.	N.D.	2.2	N.D.	N.D.	
COPPER (ppb)											N.D.	33	N.D.	20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
LEAD (ppb)											N.D.	122	N.D.	N.D.	65	51	74	118	86	42	
NICKEL (ppb)											77	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
STATIC WATER LEVEL (feet)															7.7	9.2	10.5	6	6.2	10	

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: B-30

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH												N.S.	N.S.	N.S.	N.S.	N.S.	8.1	8.4	8.32	8.8	
SPECIFIC CONDUCTIVITY(umho/cm)												N.S.	N.S.	N.S.	N.S.	N.S.	1750	820	650	710	
ARSENIC (ppb)												3.6	10	N.D.	6.4	9.4	9.8	13.9	16	N.D.	
LEAD (ppb)												N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7
STATIC WATER LEVEL (feet)																7.5	9.1	13.7	8.1	7.3	10.6

Notes: N.S. = No Sample  
N.D. = Non-Detectable



Well Number: B-32

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH												N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	7.78	7.93			
SPECIFIC CONDUCTIVITY(usho/cm)												N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	3400	250			
ARSENIC (ppb)												3	N.D.	N.D.	N.D.	2.2	N.S.	N.D.	2.6			
LEAD (ppb)												100	57	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.			
STATIC WATER LEVEL (feet)																5.6		12.6	3.5		6	10.6

Notes: N.S. = No Sample  
N.D. = Non-Detectable



Well Number: B-34  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH																						
SPECIFIC CONDUCTIVITY(umho/cm)												N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	8.79	9.05			
ARSENIC (ppb)												N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1120	1000			
LEAD (ppb)												4.8	N.D.	N.D.	N.D.	2.4	N.S.	5.4	10.6			
STATIC WATER LEVEL (feet)												67	N.D.	N.D.	N.D.	N.D.	N.S.	N.D.	N.D.	7.8	10	
																		13	8.5			

Notes: N.S. = No Sample  
 N.D. = Non-Detectable



Well Number: B-36  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH																						
SPECIFIC CONDUCTIVITY(umho/cm)																						
ARSENIC (ppb)																						
COPPER (ppb)																						
STATIC WATER LEVEL (feet)																						
*****																						

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: P-2  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: p-4  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-6  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: p-7  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-0  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

Well Number: P-10  
\*\*\*\*\*

This well has not been sampled from 6/83 to present.

\*\*\*\*\*

9/87 12/87 3/88 6/88  
\*\*\*\*\*



\*\*\*\*\*

\*\*\*\*\*  
12/87 3/88 6/88

Well Number: SP-1  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
pH	6.9	N.S.	6.9	6.82	7.25	7.05	7.35	7.3	6.7	7.4												
SPECIFIC CONDUCTIVITY(umho/cm)	1199	N.S.	860	1244	1671	1100	903	810	850	870												
ARSENIC (ppb)	6	N.S.	N.D.	N.D.	5	37	N.D.	3.1	N.D.	4												
CHROMIUM, TOTAL (ppb)	80	N.S.	N.D.																			
COPPER (ppb)	240	N.S.	N.D.	40																		
SELENIUM (ppb)	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	2	N.D.	N.D.	N.D.												
ZINC (ppb)	750	N.S.	20	20	110	60	18	190	89	170												
STATIC WATER LEVEL (feet)																						
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: SP-2

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH	7.1	N.S.	6.8	6.78	7.78	N.S.	7.2	7.3	N.S.	N.S.											
SPECIFIC CONDUCTIVITY(usmho/cm)	686	N.S.	380	782	757	N.S.	791	600	N.S.	N.S.											
ARSENIC (ppb)	N.D.	N.S.	N.D.	N.D.	N.D.	N.S.	N.D.	3.6	N.S.	N.S.											
ZINC (ppb)	90	N.S.	N.D.	10	180	N.S.	N.D.	60	N.S.	N.S.											
STATIC WATER LEVEL (feet)																					

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: SP-3  
 \*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88	
pH	6.7	N.S.	6.8	6.49	7.23	N.S.	7	N.S.	N.S.	N.S.												
SPECIFIC CONDUCTIVITY(umho/cm)	1361	N.S.	1000	1600	1929	N.S.	1484	N.S.	N.S.	N.S.												
ARSENIC (ppb)	N.D.	N.S.	N.D.	N.D.	12	N.S.	N.D.	N.S.	N.S.	N.S.												
SELENIUM (ppb)	N.D.	N.S.	7	14	25	N.S.	13	N.S.	N.S.	N.S.												
ZINC (ppb)	130	N.S.	40	10	60	N.S.	24	N.S.	N.S.	N.S.												
STATIC WATER LEVEL (feet)																						7.5

Notes: N.S. = No Sample  
 N.D. = Non-Detectable  
 \* See HSL/PP summary.

Well Number: SP-4  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH		N.S.	6.7	N.S.	7.47																	
SPECIFIC CONDUCTIVITY(umho/cm)		N.S.	4300	N.S.	5429																	
ARSENIC (ppb)		N.S.	11	N.S.	13																	
SELENIUM (ppb)		N.S.	25	N.S.	71																	
STATIC WATER LEVEL (feet)																						

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: SP-5  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH	7.1	N.S.	6.8	6.9	7.62	7.79	7.3	7.7	7.1	7.6											
SPECIFIC CONDUCTIVITY(umho/cm)	9290	N.S.	5150	5333	7143	3264	5600	4200	5500	6600											
ARSENIC (ppb)	N.D.	N.S.	115	17	N.D.	N.D.	2	5.2	4.1	7											
COPPER (ppb)	80	N.S.	N.D.	N.D.	N.D.	70	N.D.	N.D.	25	52											
ZINC (ppb)	230	N.S.	50	10	N.D.	370	N.D.	53	54	64											
STATIC WATER LEVEL (feet)																					

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: SP-6

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH		N.S.	6.7	6.64			7	7.35														
SPECIFIC CONDUCTIVITY(umho/cm)		N.S.	1410	2133			2275	1000														
ARSENIC (ppb)		N.S.	N.D.	N.D.			2	N.D.														
SELENIUM (ppb)		N.S.	N.D.	N.D.			N.D.	N.D.														
ZINC (ppb)		N.S.	N.D.	6			42	N.D.														
STATIC WATER LEVEL (feet)				30				43														
DRY																						

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: SP-7  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH	7		7	7.59	7.43	7.08		7.45		7.4												
SPECIFIC CONDUCTIVITY(umho/cm)	1366		890	818	2276	1922		1100		1500												
ARSENIC (ppb)	N.D.		93	52	N.D.	N.D.		12		34												
CHROMIUM, TOTAL (ppb)	N.D.		N.D.	N.D.	N.D.	N.D.		N.D.		62												
COPPER (ppb)	N.D.		N.D.	N.D.	N.D.	N.D.		N.D.		99												
SELENIUM (ppb)	N.D.		N.D.	N.D.	N.D.	3		N.D.		N.D.												
ZINC (ppb)	30		N.D.	N.D.	N.D.	20		74		190												
STATIC WATER LEVEL (feet)																						

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: W-1

\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
pH	9.7		9.8	9.59	9.75	10.04					9.2	N.S.	N.S.	N.S.	N.S.	N.S.	9	7.77	8.84	8.96	
SPECIFIC CONDUCTIVITY(umho/cm)	3670		300	640	543	378					740	N.S.	N.S.	N.S.	N.S.	N.S.	710	440	600	100	
ARSENIC (ppb)	N.D.		N.D.	N.D.	N.D.	N.D.					7.4	7.4	5.2	N.D.	N.S.	N.S.	3.8	3.2	3	N.D.	
COPPER (ppb)	N.D.		N.D.	N.D.	N.D.	N.D.					N.D.	21	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	35	22	
ZINC (ppb)	50		N.D.	10	N.D.	20					N.S.	N.D.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
LEAD (ppb)	N.S.		N.S.	N.S.	N.S.	N.S.					N.D.	N.S.	N.D.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	6.7	N.D.
NICKEL (ppb)	N.S.		N.S.	N.S.	N.S.	N.S.					N.D.	58	N.S.	N.D.	N.S.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
STATIC WATER LEVEL (feet)															FROZEN	7.2	8.9	10	7.2	7.3	10.1

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: W-2

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH	8		8.1	7.82	8.29	8.08	8.3	7.8	8	8.2	8.5	N.S.	N.S.	N.S.	N.S.	N.S.		8.22	8.49	8.32		
SPECIFIC CONDUCTIVITY(umho/cm)	2810		230	427	386	317	224	950	340	380	290	N.S.	N.S.	N.S.	N.S.	N.S.		375	450	650		
ARSENIC (ppb)	N.D.		N.D.	6	N.D.	35	6	8.2	13	11	8.6	8.2	6.1	2.4	4.2	6.8		7	6.6	N.D.		
COPPER (ppb)	N.D.		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	27	N.D.	21	N.D.	N.D.		N.D.	N.D.	N.D.		
NICKEL (ppb)	N.S.		N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.		N.S.	N.S.	41		
ZINC (ppb)	N.D.		N.D.	N.D.	N.D.	10	N.D.	11	21	N.D.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.		N.S.	N.S.	N.S.		
STATIC WATER LEVEL (feet)																		7.8	12.8	9	7.3	11.4

Notes: N.S. = No Sample  
 N.D. = Non-Detectable

Well Number: W-3

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88*	6/88
pH	N.S.	11.6	11.3	10.74	11.5	11.48	10.2	9.2	10.8	11.2	10.35	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	9.08	
SPECIFIC CONDUCTIVITY(umho/cm)	1610	1225	570	747	1000	676	616	450	580	760	510	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
ARSENIC (ppb)	14	32	44	35	35	40	30	25	28	39	29	41.6	50.6	43	30	31	N.S.	N.S.	N.S.	34.8	
COPPER (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	21	N.D.	N.D.	N.D.	N.D.	N.S.	N.S.	N.S.	N.D.	
ZINC (ppb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	24	N.D.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
STATIC WATER LEVEL (feet)																4.9		DAMAGED	5	4.6	8.8

Notes: N.S. = No Sample  
N.D. = Non-Detectable  
\* See HSL/PP summary.

Well Number: U-3A(1)  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH																					8.96	
SPECIFIC CONDUCTIVITY(umho/cm)																					700	
COPPER (PPB)																					38	
LEAD (PPB)																					6	
STATIC WATER LEVEL (feet)																					2.8	10.5

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: W-3A(2)  
\*\*\*\*\*

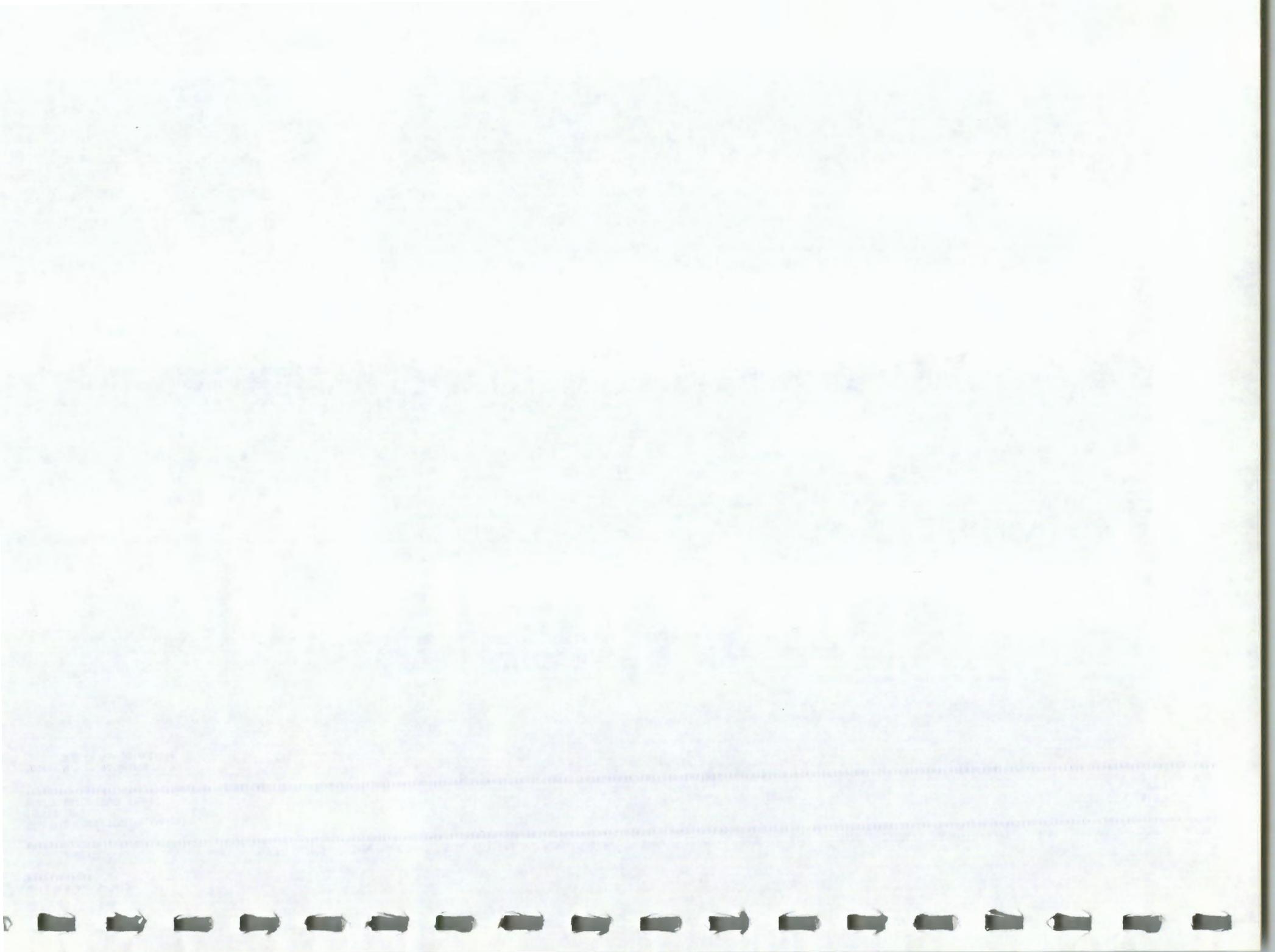
ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
SPECIFIC CONDUCTIVITY(umho/cm)																					8.15	
PH																					555	
COPPER (PPB)																					20	
SELENIUM (PPB)																					16.4	
LEAD (PPB)																					5.4	
STATIC WATER LEVEL (feet)																					3.1	10.6

Notes: N.S. = No Sample  
N.D. = Non-Detectable

Well Number: W-3A(3)  
\*\*\*\*\*

ANALYTE	6/83	9/83	12/83	3/84	6/84	9/84	12/84	3/85	6/85	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88	
pH																					7.84	
SPECIFIC CONDUCTIVITY(umho/cm)																					615	
COPPER (PPB)																					20	
STATIC WATER LEVEL (feet)																					2.7	7.8

Notes: N.S. = No Sample  
N.D. = Non-Detectable



**Appendix C**



© 1998

Well #B-17  
Sampled 3/88

**HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING**

<u>Inorganic</u>	<u>Units</u>	<u>Value</u>
pH	pH units	8.31
Specific Conductance	umhos/cm	9.65
Aluminum	ppb	140
Arsenic	ppb	2
Calcium	ppb	9,030
Iron	ppb	8,320
Magnesium	ppb	3,990
Manganese	ppb	65
Potassium	ppb	6,820
Sodium	ppb	121,000
Zinc	ppb	8,320
<u>HSL Pesticides/PCB's</u>	ppb	N.D.
<u>Method 8240-HSL</u>		
1,2-Dichloroethane	ppb	8.3
<u>Method 8270 - HSL</u>		
Bis (2-ethylhexyl) phthalate	ppb	41.4

Well #B-18  
Sampled 3/88

**HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING**

<u>Inorganic</u>	<u>Units</u>	<u>Value</u>
pH	pH units	8.67
Specific Conductance	umhos/cm	110
Alumimum	ppb	350
Barium	ppb	110
Calcium	ppb	4,160
Cobalt	ppb	82
Copper	ppb	21
Iron	ppb	16,900
Magnesium	ppb	986
Manganese	ppb	108
Potassium	ppb	6,700
Sodium	ppb	217,000
Zinc	ppb	16,900
<u>HSL Pesticides/PCB's</u>	ppb	N.D.
<u>Method 8240 HSL</u>		
Methylene Chloride	ppb	9.5
<u>Method 8270 HSL</u>		
Bis (2-ethylhexyl) phthalate	ppb	53.5

Well #B-21A  
Sampled 3/88

### HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING

<u>Inorganic</u>	<u>Units</u>	<u>Value</u>
pH	pH units	8.09
Specific Conductance	umhos/cm	625
Aluminum	ppb	650
Arsenic	ppb	26.8
Barium	ppb	110
Cadmium	ppb	36
Calcium	ppb	20,900
Copper	ppb	31
Iron	ppb	771
Lead	ppb	59
Magnesium	ppb	11,600
Manganese	ppb	76
Potassium	ppb	3,580
Sodium	ppb	39,600
Zinc	ppb	5,010
<u>HSL Pesticides/PCB's</u>	ppb	N.D.
<u>Method 8240 HSL</u>		
Methylene Chloride	ppb	85.3
Acetone	ppb	57.7
1,1-Dichloroethlene	ppb	118
1,1-Dichloroethane	ppb	148
Trans-1,2-Dichloroethene	ppb	1,170
Chloroform	ppb	87.8
2-Butanone	ppb	60.7
1,2-Dichloroethane	ppb	1,075
1,1,1-Trichloroethane	ppb	770
Carbon Tetrachloride	ppb	100
Trichloroethylene	ppb	309
1,1,2-Trichloroethane	ppb	5.3
Benzene	ppb	16.6
4-Methyl-2-pentanone (MIBK)	ppb	66.8
Tetrachloroethene	ppb	98.1
Toluene	ppb	105
Chlorobenzene	ppb	10.5
m-xylene	ppb	8.8
o & p xylene	ppb	8.2
<u>Method 8270 - HSL</u>		
Bis (2-ethylhexyl) phthalate	ppb	57.4

Well #SP-3  
Sampled 3/88

### HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING

<u>Inorganic</u>	<u>Units</u>	<u>Value</u>
pH	pH units	6.71
Specific Conductance	umhos/cm	1,250
Aluminum	ppb	720
Barium	ppb	290
Calcium	ppb	228,000
Iron	ppb	1,340
Lead	ppb	7.5
Magnesium	ppb	60,200
Manganese	ppb	1,480
Potassium	ppb	22,000
Sodium	ppb	36,600
Thallium	ppb	250
Zinc	ppb	1,340
<u>HSL Pesticides/PCB's</u>		N.D
<u>Method 8240 - HSL</u>		
Vinyl Chloride	ppb	93.3
Methylene Chloride	ppb	53.3
1,1-Dichloroethene	ppb	44.2
1,1-Dichloroethane	ppb	56.1
Trans - 1,2-Dichloroethene	ppb	23,100
Chloroform	ppb	441
1,2-Dichloroethane	ppb	185
1,1,1-Trichloroethane	ppb	114
Trichloroethylene	ppb	59,700
Tetrachloroethylene	ppb	463
Toluene	ppb	837
<u>Method 8270-HSL</u>		
Bis (2-ethylhexyl) pthalate	ppb	63.2

Well #W-3  
Sampled 3/88

### HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING

<u>Inorganic</u>	<u>Units</u>	<u>Value</u>
pH	pH units	9.86
Specific Conductance	umhos/cm	760
Aluminum	ppb	990
Arsenic	ppb	27.2
Calcium	ppb	4,800
Copper	ppb	31
Magnesium	ppb	390
Manganese	ppb	33
Potassium	ppb	2,850
Sodium	ppb	87,900
Zinc	ppb	2,640
<u>HSL Pesticides/PCB's</u>	ppb	N.D.
<u>Method 8240 HSL</u>		
Methylene Chloride	ppb	12.5
Acetone	ppb	95.2
1,1-Dichloroethylene	ppb	38.8
1,1-Dichloroethane	ppb	97.9
Trans-1,2-Dichloroethene	ppb	500
Chloroform	ppb	4.6
1,2-Dichloroethane	ppb	487
1,1,1-Trichloroethane	ppb	153
Carbon Tetrachloride	ppb	20.5
Trichloroethylene	ppb	23.3
Benzene	ppb	4.4
Tetrachloroethene	ppb	8.2
Toluene	ppb	18.5
<u>Method 8270 - HSL</u>		
Bis (2-ethylhexyl) phthalate	ppb	60.7

10/1/81  
10/1/81

STANDARDIZATION OF THE INSTRUMENT

Wavelength (nm)	Concentration (mg/ml)	Absorbance
254	0.1	0.15
254	0.2	0.30
254	0.3	0.45
254	0.4	0.60
254	0.5	0.75
254	0.6	0.90
254	0.7	1.05
254	0.8	1.20
254	0.9	1.35
254	1.0	1.50
254	1.1	1.65
254	1.2	1.80
254	1.3	1.95
254	1.4	2.10
254	1.5	2.25
254	1.6	2.40
254	1.7	2.55
254	1.8	2.70
254	1.9	2.85
254	2.0	3.00
254	2.1	3.15
254	2.2	3.30
254	2.3	3.45
254	2.4	3.60
254	2.5	3.75
254	2.6	3.90
254	2.7	4.05
254	2.8	4.20
254	2.9	4.35
254	3.0	4.50
254	3.1	4.65
254	3.2	4.80
254	3.3	4.95
254	3.4	5.10
254	3.5	5.25
254	3.6	5.40
254	3.7	5.55
254	3.8	5.70
254	3.9	5.85
254	4.0	6.00
254	4.1	6.15
254	4.2	6.30
254	4.3	6.45
254	4.4	6.60
254	4.5	6.75
254	4.6	6.90
254	4.7	7.05
254	4.8	7.20
254	4.9	7.35
254	5.0	7.50
254	5.1	7.65
254	5.2	7.80
254	5.3	7.95
254	5.4	8.10
254	5.5	8.25
254	5.6	8.40
254	5.7	8.55
254	5.8	8.70
254	5.9	8.85
254	6.0	9.00
254	6.1	9.15
254	6.2	9.30
254	6.3	9.45
254	6.4	9.60
254	6.5	9.75
254	6.6	9.90
254	6.7	10.05
254	6.8	10.20
254	6.9	10.35
254	7.0	10.50
254	7.1	10.65
254	7.2	10.80
254	7.3	10.95
254	7.4	11.10
254	7.5	11.25
254	7.6	11.40
254	7.7	11.55
254	7.8	11.70
254	7.9	11.85
254	8.0	12.00
254	8.1	12.15
254	8.2	12.30
254	8.3	12.45
254	8.4	12.60
254	8.5	12.75
254	8.6	12.90
254	8.7	13.05
254	8.8	13.20
254	8.9	13.35
254	9.0	13.50
254	9.1	13.65
254	9.2	13.80
254	9.3	13.95
254	9.4	14.10
254	9.5	14.25
254	9.6	14.40
254	9.7	14.55
254	9.8	14.70
254	9.9	14.85
254	10.0	15.00

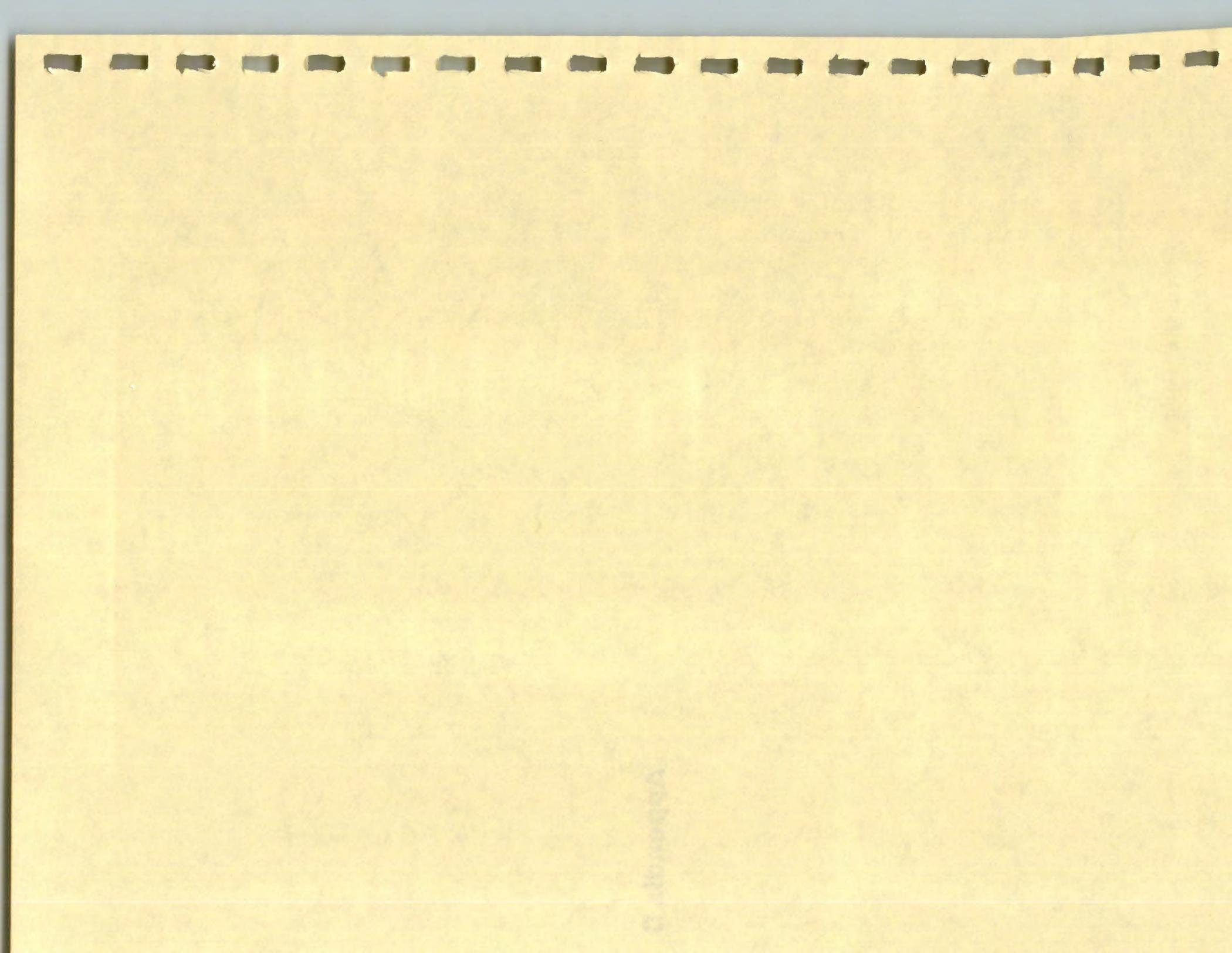
STANDARDIZATION OF THE INSTRUMENT

Wavelength (nm)	Concentration (mg/ml)	Absorbance
254	0.1	0.15
254	0.2	0.30
254	0.3	0.45
254	0.4	0.60
254	0.5	0.75
254	0.6	0.90
254	0.7	1.05
254	0.8	1.20
254	0.9	1.35
254	1.0	1.50
254	1.1	1.65
254	1.2	1.80
254	1.3	1.95
254	1.4	2.10
254	1.5	2.25
254	1.6	2.40
254	1.7	2.55
254	1.8	2.70
254	1.9	2.85
254	2.0	3.00
254	2.1	3.15
254	2.2	3.30
254	2.3	3.45
254	2.4	3.60
254	2.5	3.75
254	2.6	3.90
254	2.7	4.05
254	2.8	4.20
254	2.9	4.35
254	3.0	4.50
254	3.1	4.65
254	3.2	4.80
254	3.3	4.95
254	3.4	5.10
254	3.5	5.25
254	3.6	5.40
254	3.7	5.55
254	3.8	5.70
254	3.9	5.85
254	4.0	6.00
254	4.1	6.15
254	4.2	6.30
254	4.3	6.45
254	4.4	6.60
254	4.5	6.75
254	4.6	6.90
254	4.7	7.05
254	4.8	7.20
254	4.9	7.35
254	5.0	7.50
254	5.1	7.65
254	5.2	7.80
254	5.3	7.95
254	5.4	8.10
254	5.5	8.25
254	5.6	8.40
254	5.7	8.55
254	5.8	8.70
254	5.9	8.85
254	6.0	9.00
254	6.1	9.15
254	6.2	9.30
254	6.3	9.45
254	6.4	9.60
254	6.5	9.75
254	6.6	9.90
254	6.7	10.05
254	6.8	10.20
254	6.9	10.35
254	7.0	10.50
254	7.1	10.65
254	7.2	10.80
254	7.3	10.95
254	7.4	11.10
254	7.5	11.25
254	7.6	11.40
254	7.7	11.55
254	7.8	11.70
254	7.9	11.85
254	8.0	12.00
254	8.1	12.15
254	8.2	12.30
254	8.3	12.45
254	8.4	12.60
254	8.5	12.75
254	8.6	12.90
254	8.7	13.05
254	8.8	13.20
254	8.9	13.35
254	9.0	13.50
254	9.1	13.65
254	9.2	13.80
254	9.3	13.95
254	9.4	14.10
254	9.5	14.25
254	9.6	14.40
254	9.7	14.55
254	9.8	14.70
254	9.9	14.85
254	10.0	15.00

STANDARDIZATION OF THE INSTRUMENT

Wavelength (nm)	Concentration (mg/ml)	Absorbance
254	0.1	0.15
254	0.2	0.30
254	0.3	0.45
254	0.4	0.60
254	0.5	0.75
254	0.6	0.90
254	0.7	1.05
254	0.8	1.20
254	0.9	1.35
254	1.0	1.50
254	1.1	1.65
254	1.2	1.80
254	1.3	1.95
254	1.4	2.10
254	1.5	2.25
254	1.6	2.40
254	1.7	2.55
254	1.8	2.70
254	1.9	2.85
254	2.0	3.00
254	2.1	3.15
254	2.2	3.30
254	2.3	3.45
254	2.4	3.60
254	2.5	3.75
254	2.6	3.90
254	2.7	4.05
254	2.8	4.20
254	2.9	4.35
254	3.0	4.50
254	3.1	4.65
254	3.2	4.80
254	3.3	4.95
254	3.4	5.10
254	3.5	5.25
254	3.6	5.40
254	3.7	5.55
254	3.8	5.70
254	3.9	5.85
254	4.0	6.00
254	4.1	6.15
254	4.2	6.30
254	4.3	6.45
254	4.4	6.60
254	4.5	6.75
254	4.6	6.90
254	4.7	7.05
254	4.8	7.20
254	4.9	7.35
254	5.0	7.50
254	5.1	7.65
254	5.2	7.80
254	5.3	7.95
254	5.4	8.10
254	5.5	8.25
254	5.6	8.40
254	5.7	8.55
254	5.8	8.70
254	5.9	8.85
254	6.0	9.00
254	6.1	9.15
254	6.2	9.30
254	6.3	9.45
254	6.4	9.60
254	6.5	9.75
254	6.6	9.90
254	6.7	10.05
254	6.8	10.20
254	6.9	10.35
254	7.0	10.50
254	7.1	10.65
254	7.2	10.80
254	7.3	10.95
254	7.4	11.10
254	7.5	11.25
254	7.6	11.40
254	7.7	11.55
254	7.8	11.70
254	7.9	11.85
254	8.0	12.00
254	8.1	12.15
254	8.2	12.30
254	8.3	12.45
254	8.4	12.60
254	8.5	12.75
254	8.6	12.90
254	8.7	13.05
254	8.8	13.20
254	8.9	13.35
254	9.0	13.50
254	9.1	13.65
254	9.2	13.80
254	9.3	13.95
254	9.4	14.10
254	9.5	14.25
254	9.6	14.40
254	9.7	14.55
254	9.8	14.70
254	9.9	14.85
254	10.0	15.00

**Appendix D**



Well Number B-1  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA	7/82 L/C	9/82 RECRA	9/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C
Conductivity	umhos/cm	409	275	220	222	285	324	232	207	353	333
pH	pH Units		8.45	8.32	7.90	9.30	8.10	8.5	8.10	8.3	8.7
Redox Potential	mV				+396.5				+541.0		
Temperature	Deg. C.								11.5		
II. Inorganic Metallic Constituents											
Aluminum	ug/l	1.0									
Cadmium	ug/l	0.020									
Copper	ug/l	0.008				0.01	0.006	ND		ND	ND
Iron	ug/l	0.16									
Manganese	ug/l	0.10									
Mercury	ug/l	0.0005	ND	ND							
Selenium	ug/l	ND	0.0096	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	ug/l	0.039	0.013	0.596	ND	0.05	0.076	0.08	0.016	0.17	0.04
III. Inorganic Nonmetallic Constituents											
Alkalinity	ug/l as CaCO3		160	180	190	84	165	212	160	212	154
Chloride	ug/l	10.6	6.0	ND	1.9	4.73	2.6	5.41	2.4	6.38	4.4
Soluble Arsenic	ug/l	ND	ND	ND	ND	ND	ND	0.006	ND	ND	ND
Soluble Boron	ug/l	3									
Sulfate	ug/l	20.2									
Total Cyanide	ug/l	0.055									
Total Inorganic Carbon	ug/l	42.0									
IV. Organics (Gas Chromatography)											
Total Organic Scan (FID)	#	13.1									
Total Halogenated Organics (ECO)	**	8.12	0.41	0.47	0.90		ND		0.23		
Volatile Halogenated Organics	***		88	9.6	4.9				40		
Chloroform	ug/l					21	ND	ND		ND	ND
1,1 Dichloroethane	ug/l					45	ND	5.3		ND	13
1,2 Dichloroethane	ug/l					14	ND	ND		ND	ND
1,1 Dichloroethylene	ug/l					7.4	ND	ND		ND	ND
trans-1,2 Dichloroethylene	ug/l					160	ND	ND		14	14
Methylene Chloride	ug/l	ND				6.6	ND	ND		ND	25
Perchloroethylene	ug/l	ND				91	ND	7.3		ND	16
Trichloroethylene	ug/l	ND				230	ND	ND		7	22
1,1,1-Trichloroethane	ug/l	ND				32	ND	ND		5	ND
Toluene	ug/l	ND			ND	25	ND	ND	17	ND	7
V. Organics (Miscellaneous)											
Total Organic Carbon	ug/l	14.5	ND	ND	9	1	1.8	1.0	2.3	1.0	6.0
Phenol	ug/l	ND	0.01	ND	ND	ND	0.021	ND	0.014	ND	12

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
# ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-2  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

		5/79 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA	7/82 L/C	9/82 RECRA	9/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C
<b>I. Physical Parameters</b>											
Conductivity	umhos/cm	2500	410	248	295	381		372	262	435	295
pH	pH Units		8.06	8.43	7.80	9.30		8.1	6.55	8.0	7.9
Redox Potential	mV				+419.0				+274.0		
Temperature	Deg. C.								12.5		
<b>II. Inorganic Metallic Constituents</b>											
Aluminum	ug/l	0.4									
Cadmium	ug/l	0.049									
Chromium	ug/l	ND			0.006	ND		ND	ND	ND	ND
Copper	ug/l	0.005				0.01		ND		ND	ND
Iron	ug/l	0.45									
Manganese	ug/l	0.46									
Mercury	ug/l	0.0008	ND	ND							
Nickel	ug/l	0.12									
Silver	ug/l				ND	ND		ND	0.005	ND	ND
Zinc	ug/l	0.21	0.068	0.330	0.051	0.14		0.62	0.232	0.31	0.10
<b>III. Inorganic Nonmetallic Constituents</b>											
Alkalinity	ug/l as CaCO3		69	380	390	58		124	260	136	124
Chloride	ug/l	1000	97	80	61	50.8		52.2	55	52.6	4.4
Soluble Arsenic	ug/l	ND	ND	0.014	ND	ND		ND	ND	ND	ND
Soluble Boron	ug/l	2									
Sulfate	ug/l	48.0									
Total Inorganic Carbon	ug/l	24.0									
<b>IV. Organics (Gas Chromatography)</b>											
Total Halogenated Organics (ECD)	**	0.86	0.18	0.51	0.36				ND		
Volatile Halogenated Organics	***		130	3.0	2.1				4.3		
Benzene	ug/l				ND	120	ND	ND	ND	ND	ND
Chloroform	ug/l					41	ND	ND		10	ND
1,1 Dichloroethane	ug/l					19	ND	ND		ND	ND
1,2 Dichloroethane	ug/l					23	ND			ND	ND
1,1 Dichloroethylene	ug/l					6.7	ND			ND	ND
trans-1,2 Dichloroethylene	ug/l					270	ND	ND		40	ND
Methylene Chloride	ug/l	0.3				16	ND			5	26
Perchloroethylene	ug/l	ND				110	ND	ND		9	ND
Trichloroethylene	ug/l	ND				260	ND	ND		9	19
1,1,1-Trichloroethane	ug/l	ND				31	ND	ND		ND	ND
Toluene	ug/l	ND				41	ND	ND	ND	10	ND
<b>V. Organics (Miscellaneous)</b>											
Total Organic Carbon	ug/l	8.0	ND	7.5	7.5	ND		4.0	6.8	2.0	6.7
Phenol	ug/l	0.05	0.02	0.010	ND	ND		ND	0.016	ND	8

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number B-3  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

		5/79	7/81	12/81	3/82	7/82	9/82	9/82	11/82	12/82	3/83
	Units	RECRA	RECRA	RECRA	RECRA	L/C	RECRA	L/C	RECRA	L/C	L/C
<b>I. Physical Parameters</b>											
Conductivity	umhos/cm	760	330	262	275	330	335	330	204	314	323
pH	pH Units		8.02	7.46	7.97	7.80	11.05	8.0	7.50	8.4	7.97
Redox Potential	mV				+430.5				+274.9		
Temperature	Deg. C.								14		
<b>II. Inorganic Metallic Constituents</b>											
Aluminum	ug/l	0.4									
Cadmium	ug/l	0.037									
Chromium	ug/l	ND				ND	ND	ND	0.004	ND	ND
Copper	ug/l	0.021				ND	ND	0.02		ND	ND
Iron	ug/l	0.1									
Manganese	ug/l	0.22									
Mercury	ug/l	0.0009	ND	ND							
Nickel	ug/l	0.04									
Zinc	ug/l	0.26	0.463	0.215	0.065	0.11	1.8	0.55	0.014	0.05	0.02
<b>III. Inorganic Nonmetallic Constituents</b>											
Alkalinity	ug/l as CaCO3		160	450	240	98	170	448	180	156	136
Chloride	ug/l	132	190	25	16	16.9	16	19.1	17	20.2	16.0
Soluble Arsenic	ug/l	ND	ND	0.043	ND	ND	ND	ND	ND	ND	ND
Sulfate	ug/l	16.0									
Total Inorganic Carbon	ug/l	44.0									
<b>IV. Organics (Gas Chromatography)</b>											
Total Halogenated Organics (ECD)	**	2.2	0.26	ND	0.67		ND		0.12		
Volatile Halogenated Organics	***		20	120	2.1				13		
1,2 Dichloroethane	ug/l					3.6	ND	ND		ND	ND
trans-1,2 Dichloroethylene	ug/l					28	ND	ND		ND	ND
Perchloroethylene	ug/l	ND				17	ND	ND		ND	ND
Trichloroethylene	ug/l	ND				230	ND	ND		ND	10
1,1,1-Trichloroethane	ug/l	ND				2.1	ND	ND		ND	ND
Toluene	ug/l	ND			ND	6.4	ND	ND	ND	ND	ND
<b>V. Organics (Miscellaneous)</b>											
Total Organic Carbon	ug/l	24.0	ND	ND	7	3.2	1.6	6.0	10	4.0	5.4
Phenol	ug/l	0.01	ND	0.012	0.069	5	0.014	ND	ND	ND	12

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA	11/82 RECRA
Conductivity	umhos/cm	462	290	240	227	208
pH	pH Units		8.11	7.87	7.99	7.95
Redox Potential	mV				+437.3	+254.4
Temperature	Deg. C.					11
II. Inorganic Metallic Constituents						
Aluminum	ug/l	0.2				
Cadmium	ug/l	0.007				
Copper	ug/l	0.007				
Iron	ug/l	0.10				
Manganese	ug/l	0.09				
Silver	ug/l				ND	0.004
Zinc	ug/l	0.022	0.042	0.031	ND	0.013
III. Inorganic Nonmetallic Constituents						
Alkalinity	ug/l as CaCO3		160	170	360	149
Chloride	ug/l	42.2	17	11	9.5	9.0
Soluble Boron	ug/l	2				
Sulfate	ug/l	48.2				
Total Inorganic Carbon	ug/l	31.5				
IV. Organics (Gas Chromatography)						
Total Halogenated Organics (ECD)	**	1.70	0.82	1.0	1.2	0.52
Volatile Halogenated Organics	***		20	13	7.7	10
Benzene	ug/l				16	6.0
Ethylbenzene	ug/l				3.5	11
Methylene Chloride	ug/l	191				
Perchloroethylene	ug/l	84.5				
Trichloroethylene	ug/l	22.1				
Toluene	ug/l	ND			3.0	4.9
V. Organics (Miscellaneous)						
Total Organic Carbon	ug/l	22.5	ND	ND	8	7.0
Phenol	ug/l	0.08	ND	0.012	0.012	0.026

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals; L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
 \*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-5  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

		5/79	7/81	12/81	3/82	7/82	9/82	9/82	11/82	12/82	3/83
	Units	RECRA	RECRA	RECRA	RECRA	L/C	RECRA	L/C	RECRA	L/C	L/C
<b>I. Physical Parameters</b>											
Conductivity	umhos/cm	399	290	225	209	278	288	209	192	308	328
pH	pH Units		8.12	7.34	7.83	7.83	6.90	7.9	6.70	8.3	7.8
Redox Potential	mV				+116.5				+300.0		
Temperature	Deg. C.								11.5		
<b>II. Inorganic Metallic Constituents</b>											
Aluminum	ug/l	0.6									
Cadmium	ug/l	0.042									
Copper	ug/l	0.016				0.01	ND	ND		ND	ND
Iron	ug/l	0.13									
Manganese	ug/l	0.15									
Selenium	ug/l	ND	0.017	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/l				ND	ND	ND	ND	0.008	ND	ND
Zinc	ug/l	0.41	0.648	0.057	0.057	0.21	0.183	1.56	0.078	0.26	0.10
<b>III. Inorganic Nonmetallic Constituents</b>											
Alkalinity	ug/l as CaCO3		130	160	140	98	150	184	140	154	126
Chloride	ug/l	21.1	10	9.2	6	8.52	8.0	8.78	7.4	11.2	8.9
Soluble Arsenic	ug/l	ND	0.014	0.015	ND	0.005	ND	ND	ND	ND	ND
Soluble Boron	ug/l	2									
Sulfate	ug/l	30.8									
Total Inorganic Carbon	ug/l	38.0									
<b>IV. Organics (Gas Chromatography)</b>											
Total Halogenated Organics (ECD)	***	1.00	0.25	0.51	ND		0.95		0.25		
Volatile Halogenated Organics	***		8.8	0.48	2.2				4.1		
Chloroform	ug/l					17	ND	ND		ND	ND
1,1 Dichloroethane	ug/l					6.3	ND	ND		ND	ND
1,2 Dichloroethane	ug/l					7.9	ND	ND		ND	ND
1,1 Dichloroethylene	ug/l					1.8	ND	ND		ND	ND
trans-1,2 Dichloroethylene	ug/l					99	ND	ND		9	ND
Methylene Chloride	ug/l	ND				4.3	ND	ND		ND	4.3
Perchloroethylene	ug/l	ND				78	ND	ND		8	ND
Trichloroethylene	ug/l	ND				190	ND	ND		6	ND
1,1,1-Trichloroethane	ug/l	ND				14	ND	ND		ND	ND
Toluene	ug/l	ND			ND	22	ND	ND		ND	ND
<b>V. Organics (Miscellaneous)</b>											
Total Organic Carbon	ug/l	32.0	ND	ND	6	1	ND	3.0	4.3	1.0	5.6
Phenol	ug/l	ND	ND	ND	ND	ND		ND	ND	ND	14

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-6  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

		5/79 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA	11/82 RECRA
<b>I. Physical Parameters</b>						
Conductivity	umhos/cm		270	200	220	201
pH	pH Units		8.20	7.54	8.00	7.35
Redox Potential	mV				+385.0	+296.2
Temperature	Deg. C.					12
<b>II. Inorganic Metallic Constituents</b>						
Chromium	mg/l		0.044	0.025	NO	0.004
Zinc	mg/l				0.050	0.017
<b>III. Inorganic Nonmetallic Constituents</b>						
Alkalinity	mg/l as CaCO3		110	200	160	140
Chloride	mg/l		17	14	8.5	8.0
Soluble Arsenic	mg/l		NO	0.014	NO	NO
<b>IV. Organics (Gas Chromatography)</b>						
Total Organic Scan (FID)	µ	11.4				
Total Halogenated Organics (ECD)	**	14.2	0.27	NO	NO	0.50
Volatile Halogenated Organics	***		4.3	NO	2.2	3.6
<b>V. Organics (Miscellaneous)</b>						
Total Organic Carbon	mg/l		19	1.0	4	6.8
Phenol	mg/l		0.07	NO	NO	0.047

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camp Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
 \*\*\*\* ug/l as Chlorine - Napthalene Standard

I. Physical Parameters	Units	5/80 RECRA	3/82 RECRA	7/82 L/C	9/82 RECRA	9/82 L/C	11/82 RECRA	12/82 L/C
Conductivity	umhos/cm	268	161	1301	440	396	409	694
pH	pH Units	9.78	8.68	8.00	7.35	9.3	6.75	7.6
Redox Potential	mV		+403.3				+402.7	
Temperature	Deg. C.						12	
II. Inorganic Metallic Constituents								
Aluminum	ug/l	0.4						
Chromium	ug/l	ND	ND	0.05	ND	ND	ND	ND
Copper	ug/l	ND		0.16	0.006	0.01		ND
Silver	ug/l		ND	0.01	ND	ND	0.004	ND
Zinc	ug/l	0.005	0.006	5.86	3.6	3.39	6.4	1.06
III. Inorganic Nonmetallic Constituents								
Alkalinity	ug/l as CaCO3		67	14	93	180	110	157
Ammonia	ug/l	0.71						
Chloride	ug/l	26.8	19	282	22	16.8	120	130
Free Cyanide	ug/l	0.096						
Soluble Arsenic	ug/l	ND	ND	0.010	ND	ND	ND	ND
Sulfate	ug/l	57						
Total Inorganic Carbon	ug/l	37.5						
IV. Organics (Gas Chromatography)								
Total Organic Scan (FID)	****	66						
Total Halogenated Organics (ECD)	**	0.90	ND		7.1		2.6	
Volatile Halogenated Organics	***		2.2				13	
Chloroform	ug/l			3.7	ND	ND		ND
1,2 Dichloroethane	ug/l			2.0	ND	ND		ND
trans-1,2 Dichloroethylene	ug/l			24	ND	ND		ND
Methylene Chloride	ug/l	67		ND	ND	ND		ND
Perchloroethylene	ug/l	1.7		15	ND	ND		ND
Trichloroethylene	ug/l	ND		64	ND	ND		ND
1,1,1-Trichloroethane	ug/l	2.7		1.7	ND	ND		ND
V. Organics (Miscellaneous)								
Total Organic Carbon	ug/l	14.5	4	4.5	24	10.0	20	6.0
Phenol	ug/l	0.039	0.016	28	ND	ND	ND	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

I. Physical Parameters	Units	5/80 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA
*****	*****	*****	*****	*****	*****
Conductivity	umhos/cm	1830	2200	1500	1220
pH	pH Units	7.42	6.66	7.04	7.40
Redox Potential	mV				+407.0
Temperature	Deg. C.				
II. Inorganic Metallic Constituents					
*****	*****	*****	*****	*****	*****
Aluminum	ug/l	0.3			
Iron	ug/l	2.57			
Manganese	ug/l	1.5			
Zinc	ug/l	38.5	1.6	0.559	0.144
III. Inorganic Nonmetallic Constituents					
*****	*****	*****	*****	*****	*****
Alkalinity	ug/l as CaCO3		240	230	260
Ammonia	ug/l	0.63			
Chloride	ug/l	236	390	390	290
Free Cyanide	ug/l	0.043			
Sulfate	ug/l	670			
Total Inorganic Carbon	ug/l	80.0			
IV. Organics (Gas Chromatography)					
*****	*****	*****	*****	*****	*****
Total Halogenated Organics (ECD)	**	0.86	0.07	ND	ND
Volatile Halogenated Organics	***		73	19	2.6
Methylene Chloride	ug/l	175			
Perchloroethylene	ug/l	3.2			
V. Organics (Miscellaneous)					
*****	*****	*****	*****	*****	*****
Total Organic Carbon	ug/l	19.5	ND	1.5	4
Phenol	ug/l	0.011	ND	ND	ND

Notes: RECRA = Recla Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-7  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

	Units	5/80 RECRA	3/82 RECRA	7/82 L/C	9/82 RECRA	9/82 L/C	11/82 RECRA	12/82 L/C
<b>I. Physical Parameters</b>								
Conductivity	umhos/cm	268	161	1301	440	396	409	694
pH	pH Units	9.78	8.68	8.00	7.35	9.3	6.75	7.6
Redox Potential	mV		+403.3				+402.7	
Temperature	Deg. C.						12	
<b>II. Inorganic Metallic Constituents</b>								
Aluminum	ug/l	0.4						
Chromium	ug/l	ND	ND	0.05	ND	ND	ND	ND
Copper	ug/l	ND		0.16	0.086	0.01		ND
Silver	ug/l		ND	0.01	ND	ND	0.004	ND
Zinc	ug/l	0.005	0.006	5.86	3.6	3.39	6.4	1.06
<b>III. Inorganic Nonmetallic Constituents</b>								
Alkalinity	ug/l as CaCO3		67	14	93	180	110	157
Ammonia	ug/l	0.71						
Chloride	ug/l	26.6	19	282	22	16.6	120	130
Free Cyanide	ug/l	0.096						
Soluble Arsenic	ug/l	ND	ND	0.010	ND	ND	ND	ND
Sulfate	ug/l	57						
Total Inorganic Carbon	ug/l	37.5						
<b>IV. Organics (Gas Chromatography)</b>								
Total Organic Scan (FID)	****	66						
Total Halogenated Organics (ECD)	**	0.90	ND		7.1		2.6	
Volatile Halogenated Organics	***		2.2				13	
Chloroform	ug/l			3.7	ND	ND		ND
1,2 Dichloroethane	ug/l			2.0	ND	ND		ND
trans-1,2 Dichloroethylene	ug/l			24	ND	ND		ND
Methylene Chloride	ug/l	67		ND	ND	ND		ND
Perchloroethylene	ug/l	1.7		15	ND	ND		ND
Trichloroethylene	ug/l	ND		64	ND	ND		ND
1,1,1-Trichloroethane	ug/l	2.7		1.7	ND	ND		ND
<b>V. Organics (Miscellaneous)</b>								
Total Organic Carbon	ug/l	14.5	4	4.5	24	10.0	20	6.0
Phenol	ug/l	0.039	0.016	28	ND	ND	ND	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camp Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

I. Physical Parameters	Units	5/80 RECRA	12/81 RECRA	3/82 RECRA	7/82 L/C	9/82 RECRA	9/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C
Conductivity	umhos/cm		1000	358	495	515	507	315	580	556
pH	pH Units		7.31	8.10	7.60	7.15	7.80	6.75	7.7	7.9
Redox Potential	mV			+342.8				+210.5		
Temperature	Deg. C.							11		
II. Inorganic Metallic Constituents										
Chromium	ug/l			ND	ND	0.008	0.07	ND	ND	ND
Copper	ug/l				0.01	0.004	0.10		ND	ND
Silver	ug/l			ND	0.01	ND	ND	ND	ND	ND
Zinc	ug/l		0.892	0.033	0.40	4.1	34.0	0.258	0.36	0.09
III. Inorganic Nonmetallic Constituents										
Alkalinity	ug/l as CaCO3		230	220	122	200	198	670	225	196
Chloride	ug/l		240	32	46.0	32	38.0	32	37.5	32.9
Soluble Arsenic	ug/l		ND	ND	ND	ND	0.011	ND	ND	ND
IV. Organics (Gas Chromatography)										
Total Halogenated Organics (ECD)	**	2.0	ND	ND		1.8		0.36		
Volatile Halogenated Organics	***		ND	2.9				9.3		
Chloroform	ug/l				13	ND	ND		ND	ND
1,1 Dichloroethane	ug/l				3.3	ND	ND		ND	ND
1,2 Dichloroethane	ug/l				5.2	ND	ND		ND	ND
trans-1,2 Dichloroethylene	ug/l				65	ND	ND		ND	ND
Methylene Chloride	ug/l	1.4			2.0	ND	ND		ND	ND
Perchloroethylene	ug/l	ND			53	ND	ND		ND	ND
Trichloroethylene	ug/l	ND			180	ND	ND		ND	29
1,1,1-Trichloroethane	ug/l	ND			6.1	ND	ND		ND	ND
Toluene	ug/l	ND		ND	5.2	ND	ND	ND	ND	ND
V. Organics (Miscellaneous)										
Total Organic Carbon	ug/l		1.5	2.5	ND	46	2.0	7.9	1.0	7.0
Phenol	ug/l		ND	ND	13	0.030	7.5	ND	ND	12

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-8A  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

	Units	5/80 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA
<b>I. Physical Parameters</b>					
Conductivity	umhos/cm	930	395	400	1010
pH	pH Units	7.91	8.03	7.39	7.39
Redox Potential	mV				+379.0
Temperature	Deg. C.				
<b>II. Inorganic Metallic Constituents</b>					
Aluminum	mg/l	0.4			
Chromium	mg/l	ND			0.010
Manganese	mg/l	0.34			
Zinc	mg/l	13.2	0.026	0.022	0.999
<b>III. Inorganic Nonmetallic Constituents</b>					
Alkalinity	mg/l as CaCO3		160	1100	180
Ammonia	mg/l	0.07			
Chloride	mg/l	148	72	39	320
Soluble Arsenic	mg/l	ND	ND	0.020	ND
Sulfate	mg/l	103			
Total Inorganic Carbon	mg/l	45.5			
<b>IV. Organics (Gas Chromatography)</b>					
Total Halogenated Organics (ECD)	**	1.3	0.31	1.7	ND
Volatile Halogenated Organics	***		57	0.27	2.2
Freon TF	ug/l	158			
Methylene Chloride	ug/l	30			
Perchloroethylene	ug/l	1.9			
<b>V. Organics (Miscellaneous)</b>					
Total Organic Carbon	mg/l	7.0	30	ND	2
Phenol	ug/l	0.020	ND	ND	ND

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
 \*\*\*\* ug/l as Chlorine - Napthalene Standard

		5/80	7/81	12/81	3/82	7/82	9/82	9/82	11/82	12/82	3/83
		RECRA	RECRA	RECRA	RECRA	L/C	RECRA	L/C	RECRA	L/C	L/C
I. Physical Parameters											
Conductivity	umhos/cm		510	390	350	425		447	265	378	425
pH	pH Units		7.04	6.93	7.13	8.65		7.0	6.05	6.7	7.1
Redox Potential	mV				+140.7				+206.8		
Temperature	Deg. C.								11		
II. Inorganic Metallic Constituents											
Chromium	ug/l				0.014	ND		ND	ND	ND	ND
Copper	ug/l					0.01		0.02	ND	ND	ND
Silver	ug/l				ND	ND		ND	0.005	ND	ND
Zinc	ug/l		0.817	0.425	1.3	1.29		4.94	1.6	0.70	0.47
III. Inorganic Nonmetallic Constituents											
Alkalinity	ug/l as CaCO3		170	150	2800	146		224	250	124	128
Chloride	ug/l		64	56	44	50.6		61.0	47	47.9	31.9
IV. Organics (Gas Chromatography)											
Total Halogenated Organics (ECD)	**	1.1	0.23	0.37	0.48				0.60		
Volatile Halogenated Organics	***		57	ND	2.9				8.8		
Chloroform	ug/l					4.0	ND	ND		ND	ND
1,2 Dichloroethane	ug/l					1.3	ND	ND		ND	ND
trans-1,2 Dichloroethylene	ug/l					16	ND	ND		11	ND
Freon TF	ug/l	660									
Methylene Chloride	ug/l	1.6				ND	ND	ND		ND	ND
Perchloroethylene	ug/l	ND				15	ND	ND		6	ND
Trichloroethylene	ug/l	ND				69	ND	ND		ND	21
1,1,1-Trichloroethane	ug/l	ND				1.8	ND	ND		ND	ND
Toluene	ug/l	ND			ND	7.2	ND	ND	ND	ND	ND
V. Organics (Miscellaneous)											
Total Organic Carbon	ug/l		37	9	6.5	1		11	9	8	9.5
Phenol	ug/l		ND	ND	ND	12		ND	ND	ND	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-9A  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

	Units	5/80 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA	11/82 RECRA
<b>I. Physical Parameters</b> *****						
Conductivity	umhos/cm		380	290	278	322
pH	pH Units		7.80	6.89	6.89	6.90
Redox Potential	mV				+197.4	+212.2
Temperature	Deg. C.					12
<b>II. Inorganic Metallic Constituents</b> *****						
Chromium	ug/l				0.008	ND
Zinc	ug/l		0.851		1.1	1.8
<b>III. Inorganic Nonmetallic Constituents</b> *****						
Alkalinity	mg/l as CaCO3		160	1400	1700	250
Chloride	mg/l			9.1	8.0	11
<b>IV. Organics (Gas Chromatography)</b> *****						
Total Halogenated Organics (ECD)	**	0.5	ND	ND	ND	3.3
Volatile Halogenated Organics	***		37	48	2.5	8.1
Freon TF	ug/l	1900				
Methylene Chloride	ug/l	92				
Trichloroethylene	ug/l	3.2				
<b>V. Organics (Miscellaneous)</b> *****						
Total Organic Carbon	ug/l			ND	5	4.2

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camp Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
 \*\*\*\* ug/l as Chlorine - Napthalene Standard

		5/80	7/81	12/81	3/82	7/82	9/82	9/82	11/82	12/82
		RECRA	RECRA	RECRA	RECRA	L/C	RECRA	L/C	RECRA	L/C
<b>I. Physical Parameters</b>										
Conductivity	umhos/cm		525	280	222	438	410	487	332	383
pH	pH Units		8.14	7.90	7.74	7.50	7.35	7.50	6.65	7.1
Redox Potential	mV				+226.0					
Temperature	Deg. C.								13	
<b>II. Inorganic Metallic Constituents</b>										
Chromium	ug/l				0.010	0.06	ND	ND		ND
Copper	ug/l					0.14	ND	0.02		ND
Silver	ug/l				ND	0.01	ND	0.05		ND
Zinc	ug/l			0.029	0.025	0.95	0.050	0.06		0.86
<b>III. Inorganic Nonmetallic Constituents</b>										
Alkalinity	ug/l as CaCO3		180	7400	850	146	760	150		200
Chloride	ug/l			7.6	4.8	14.2	5.1	6.99		10.6
Soluble Arsenic	ug/l			0.016	ND	0.016	ND	ND		ND
<b>IV. Organics (Gas Chromatography)</b>										
Total Halogenated Organics (ECQ)	**	1.3	2.4	3.1	0.45		1.6		0.53	
Volatile Halogenated Organics	***		90	19	4				20	
Benzene	ug/l				ND	25	ND	ND	ND	ND
Chloroform	ug/l					39	ND	ND	ND	ND
1,1 Dichloroethane	ug/l					3.9	ND	ND	ND	ND
1,2 Dichloroethane	ug/l					19	ND	ND	ND	ND
trans-1,2 Dichloroethylene	ug/l					290	ND	ND	ND	15
Methylene Chloride	ug/l	200				11	ND	ND	ND	ND
Perchloroethylene	ug/l	34				32	ND	ND	ND	ND
Trichloroethylene	ug/l	ND				290	ND	ND	ND	13
1,1,1-Trichloroethane	ug/l	ND				7.2	ND	ND	ND	ND
Toluene	ug/l	42			11	46	22	5	9.1	5
<b>V. Organics (Miscellaneous)</b>										
Total Organic Carbon	ug/l			47	20	61.5	46	38.0		33.0
Phenol	ug/l			0.049	0.039	40		8		ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Cano Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

	Units	5/79 RECRA	5/80 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA	7/82 L/C	9/82 RECRA	9/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C
I. Physical Parameters												
Conductivity	umhos/cm		340	300	350	195	258	272	186	175	295	8
pH	pH Units		8.44	7.56	7.22	7.35	7.65	7.10	7.60	7.00	7.7	7.5
Redox Potential	mV					+235.0				+219.7		
Temperature	Deg. C.									12		
II. Inorganic Metallic Constituents												
Aluminum	ug/l		0.4									
Chromium	ug/l		ND			0.017	ND	ND	ND	0.003	ND	ND
Copper	ug/l		ND				ND	ND	0.01		ND	ND
Manganese	ug/l		0.22									
Zinc	ug/l		0.090	0.148	0.035	0.032	0.17	0.131	0.20	0.050	0.06	295
III. Inorganic Nonmetallic Constituents												
Alkalinity	ug/l as CaCO3			140	150	130	96	140	160	120	156	124
Ammonia	ug/l		4.27									
Chloride	ug/l		18.7	12	6.3	4.8	6.83	5.0	6.88	4.2	7.64	2.7
Free Cyanide	ug/l		0.120									
Sulfate	ug/l		10									
Total Inorganic Carbon	ug/l		46.0									
IV. Organics (Gas Chromatography)												
Total Halogenated Organics (ECD)	**	3.94		0.25	0.47	ND		0.68		0.52		
Volatile Halogenated Organics	***			64	11	7.4				7.9		
1,1 Dichloroethane	ug/l						8.8	ND	ND		10	8
1,2 Dichloroethane	ug/l						ND	16	13		11	ND
trans-1,2 Dichloroethylene	ug/l						1.6	ND	ND		ND	31
Methylene Chloride	ug/l	140					110	ND	ND		ND	ND
Perchloroethylene	ug/l	80					20	ND	ND		8	7
Trichloroethylene	ug/l	11					11	ND	ND		6	145
Toluene	ug/l	ND				ND	14	14	ND	9.1	13	ND
V. Organics (Miscellaneous)												
Total Organic Carbon	ug/l		17.0	18	6.0	5.6	3.5	3.3	22.0	4.7	18.5	8.3
Phenol	ug/l		0.022	ND	ND	ND	4		ND	ND	ND	8

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lazier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

		5/79	5/80	7/81	12/81	3/82	7/82	9/82	9/82	11/82	12/82	3/83
		RECRA	RECRA	RECRA	RECRA	RECRA	L/C	RECRA	L/C	RECRA	L/C	L/C
<b>I. Physical Parameters</b>												
Conductivity	umhos/cm		282	240	220	197	275	280	194	194	301	ND
pH	pH Units		9.20	9.00	7.34	7.47	8.45	6.60	7.4	6.85	7.6	8.1
Redox Potential	mV					+177.0				+226.9		
Temperature	Deg. C.									12.5		
<b>II. Inorganic Metallic Constituents</b>												
Aluminum	mg/l		0.4									
Copper	mg/l		ND				0.01	ND	0.01		ND	ND
Iron	mg/l		0.02									
Mercury	mg/l		0.0017	ND	ND							
Zinc	mg/l		0.025	0.041	0.037	0.119	0.06	0.194	0.91	0.063	0.08	423
<b>III. Inorganic Nonmetallic Constituents</b>												
Alkalinity	mg/l as CaCO3			120	150	160	84	150	184	140	156	104
Ammonia	mg/l		0.3									
Chloride	mg/l			94	2.8	2.5	4.63	4.2	5.15	2.9	6.76	46.5
Sulfate	mg/l		26									
Total Inorganic Carbon	mg/l		23.5									
<b>IV. Organics (Gas Chromatography)</b>												
Total Halogenated Organics (ECD)	**	0.52		ND	0.69	ND		ND		0.28		
Volatile Halogenated Organics	***			95	42	2.3				2.8		
trans-1,2 Dichloroethylene	ug/l						1.6	ND	ND		15	31
Methylene Chloride	ug/l	100					ND	ND	ND		ND	27
Perchloroethylene	ug/l	2.7					60	ND	ND		ND	7
Trichloroethylene	ug/l	ND					17	ND	ND		21	145
1,1,1-Trichloroethane	ug/l	ND					4.9	ND	ND		ND	ND
<b>V. Organics (Miscellaneous)</b>												
Total Organic Carbon	mg/l		10.5	ND	ND	ND	1.5	ND	11.0	2.8	10.0	8.3
Phenol	mg/l		0.032	ND	ND	ND	ND		ND	ND	ND	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lazier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

I. Physical Parameters	Units	11/83 RECRA	2/84 RECRA
*****	*****	*****	*****
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents			
*****	*****	*****	*****
Chromium	ug/l	ND	0.004
Zinc	ug/l	ND	0.014
III. Inorganic Nonmetallic Constituents			
*****	*****	*****	*****
Alkalinity	ug/l as CaCO3	231	196
Chloride	ug/l	71	55
Soluble Arsenic	ug/l	0.005	ND
IV. Organics (Gas Chromatography)			
*****	*****	*****	*****
Total Halogenated Organics (ECD)	**	0.64	ND
Volatile Halogenated Organics	***	41	330
Benzene	ug/l	ND	6.9
Toluene	ug/l	ND	20
V. Organics (Miscellaneous)			
*****	*****	*****	*****
Total Organic Carbon	ug/l	1.0	ND
Phenol	ug/l	0.033	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-13A  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

		11/83	2/84
		RECRA	RECRA
I. Physical Parameters *****			
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents *****			
Zinc	ug/l	0.007	0.036
III. Inorganic Nonmetallic Constituents *****			
Alkalinity	ug/l as CaCO3	152	161
Chloride	ug/l	6.9	4.6
Soluble Arsenic	ug/l	0.010	ND
IV. Organics (Gas Chromatography) *****			
Total Halogenated Organics (ECD)	**	4.1	ND
Volatile Halogenated Organics	***	5.2	ND
V. Organics (Miscellaneous) *****			
Total Organic Carbon	ug/l	2.3	1.5
Phenol	ug/l	0.056	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camp Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

I. Physical Parameters	Units	11/83 RECRA	2/84 RECRA
*****	*****	*****	*****
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents			
*****	*****	*****	*****
Chromium	ug/l	ND	0.004
Zinc	ug/l	0.018	0.015
III. Inorganic Nonmetallic Constituents			
*****	*****	*****	*****
Alkalinity	ug/l as CaCO3	390	391
Chloride	ug/l	613	630
Soluble Arsenic	ug/l	0.017	0.023
IV. Organics (Gas Chromatography)			
*****	*****	*****	*****
Total Halogenated Organics (ECD)	**	1.3	ND
Volatile Halogenated Organics	***	14	ND
Toluene	ug/l	1.7	ND
V. Organics (Miscellaneous)			
*****	*****	*****	*****
Total Organic Carbon	ug/l	4.0	12.5
Phenol	ug/l	0.053	0.018

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camp Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
 \*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-14A  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	11/83 RECRA	2/84 RECRA
*****	*****	*****	*****
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents			
*****	*****	*****	*****
Zinc	ug/l	0.065	0.017
III. Inorganic Nonmetallic Constituents			
*****	*****	*****	*****
Alkalinity	ug/l as CaCO3	167	123
Chloride	ug/l	7.1	4.3
Soluble Arsenic	ug/l	0.033	ND
IV. Organics (Gas Chromatography)			
*****	*****	*****	*****
Total Halogenated Organics (ECD)	**	1.1	ND
Volatile Halogenated Organics	***	4.3	ND
V. Organics (Miscellaneous)			
*****	*****	*****	*****
Total Organic Carbon	ug/l	1.1	ND
Phenol	ug/l	0.036	0.017

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-15  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	11/83 RECRA	2/84 RECRA
*****	*****	*****	*****
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents			
*****	*****	*****	*****
Chromium	mg/l	ND	0.004
Zinc	mg/l	ND	0.01
III. Inorganic Nonmetallic Constituents			
*****	*****	*****	*****
Alkalinity	mg/l as CaCO3	258	263
Chloride	mg/l	296	430
Soluble Arsenic	mg/l	0.009	0.009
IV. Organics (Gas Chromatography)			
*****	*****	*****	*****
Total Halogenated Organics (ECD)	**	0.50	ND
Volatile Halogenated Organics	***	5.2	ND
V. Organics (Miscellaneous)			
*****	*****	*****	*****
Total Organic Carbon	mg/l	2.5	ND
Phenol	mg/l	0.040	0.018

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
 \*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-15A  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

	Units	11/83 RECRA	2/84 RECRA
I. Physical Parameters *****			
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents *****			
Zinc	ug/l	ND	0.011
III. Inorganic Nonmetallic Constituents *****			
Alkalinity	ug/l as CaCO3	137	163
Chloride	ug/l	37	23
IV. Organics (Gas Chromatography) *****			
Total Halogenated Organics (ECD)	**	2.1	ND
Volatile Halogenated Organics	***	5.7	ND
V. Organics (Miscellaneous) *****			
Total Organic Carbon	ug/l	7.9	1.0
Phenol	ug/l	0.55	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

I. Physical Parameters	Units	11/83 RECRA	2/84 RECRA
*****	*****	*****	*****
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents			
*****	*****	*****	*****
Zinc	ug/l	0.146	0.008
III. Inorganic Nonmetallic Constituents			
*****	*****	*****	*****
Alkalinity	ug/l as CaCO3	220	248
Chloride	ug/l	1680	1580
		0.007	ND
IV. Organics (Gas Chromatography)			
*****	*****	*****	*****
Total Halogenated Organics (ECD)	**	1.3	ND
Volatile Halogenated Organics	***	4.0	ND
V. Organics (Miscellaneous)			
*****	*****	*****	*****
Total Organic Carbon	ug/l	ND	1.5
Phenol	ug/l	0.033	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lazier/Camp Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-17  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	11/83 RECRA	2/84 RECRA
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents			
Zinc	ug/l	0.022	0.010
III. Inorganic Nonmetallic Constituents			
Alkalinity	ug/l as CaCO3	215	186
Chloride	ug/l	141	137
		0.005	0.008
IV. Organics (Gas Chromatography)			
Total Halogenated Organics (ECD)	**	4.0	0.88
Volatile Halogenated Organics	***	7.5	5.6
V. Organics (Miscellaneous)			
Total Organic Carbon	ug/l	ND	ND
Phenol	ug/l	0.046	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camp Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number B-17A  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters  
\*\*\*\*\*  
Conductivity

11/83  
RECRA

2/84

I. Physical Parameters	Units	11/83 RECRA	2/84 RECRA
*****	*****	*****	*****
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents			
*****	*****	*****	*****
Chromium	ug/l	ND	0.006
Zinc	ug/l	0.006	0.027
III. Inorganic Nonmetallic Constituents			
*****	*****	*****	*****
Alkalinity	ug/l as CaCO3	93	69
Chloride	ug/l	36	40
Soluble Arsenic	ug/l	0.005	ND
IV. Organics (Gas Chromatography)			
*****	*****	*****	*****
Volatile Halogenated Organics	***	7.3	ND
V. Organics (Miscellaneous)			
*****	*****	*****	*****
Total Organic Carbon	ug/l	5.5	7.0
Phenol	ug/l	0.036	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camp Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
\*\*\*\* ug/l as Chlorine - Napthalene Standard

I. Physical Parameters *****	Units	11/83	2/84
		RECRA	RECRA
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents *****			
Zinc	ug/l	0.012	0.017
III. Inorganic Nonmetallic Constituents *****			
Alkalinity	ug/l as CaCO3	262	248
Chloride	ug/l	43	66
IV. Organics (Gas Chromatography) *****			
Volatile Halogenated Organics	***	5.5	ND
V. Organics (Miscellaneous) *****			
Total Organic Carbon	ug/l	1.8	1.0
Phenol	ug/l	0.061	0.017

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Cano Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard  
 \*\*\*\* ug/l as Chlorine - Napthalene Standard

Well Number P-1  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA
<b>I. Physical Parameters</b>				
Conductivity	umhos/cm	8120	10000	6200
pH	pH Units		7.60	8.02
Redox Potential	mV			
Temperature	Deg. C.			
<b>II. Inorganic Metallic Constituents</b>				
Aluminum	ug/l	0.6		
Cadmium	ug/l	0.005		
Chromium	ug/l	0.002		
Copper	ug/l	0.012		
Iron	ug/l	0.02		
Manganese	ug/l	0.08		
Selenium	ug/l	0.0046	ND	ND
Zinc	ug/l	25	10	7.38
<b>III. Inorganic Nonmetallic Constituents</b>				
Alkalinity	ug/l as CaCO3		150	110
Ammonia	ug/l	4.6	3800	2.8
Chloride	ug/l	3307		
Free Cyanide	ug/l	0.039		
Soluble Boron	ug/l	4		
Sulfate	ug/l	178		
Total Inorganic Carbon	ug/l	2.0		
<b>IV. Organics (Gas Chromatography)</b>				
Total Halogenated Organics (ECD)	**	0.64	ND	ND
Volatile Halogenated Organics	***		870	90
Freon TF	ug/l	4670		
Methylene Chloride	ug/l	59.7		
Perchloroethylene	ug/l	223		
Trichloroethylene	ug/l	147		
1,1,1-Trichloroethane	ug/l	2.61		
<b>V. Organics (Miscellaneous)</b>				
Total Organic Carbon	ug/l	21.0	14	2.5

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Cawo Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number P-2  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA
Conductivity	umhos/cm	278	250	330
pH	pH Units		10.41	10.80
Redox Potential	mV			
Temperature	Deg. C.			
II. Inorganic Metallic Constituents				
Aluminum	ug/l	0.8		
Cadmium	ug/l	0.003		
Copper	ug/l	0.014		
Iron	ug/l	0.03		
Manganese	ug/l	0.02		
Zinc	ug/l	0.13	0.564	0.061
III. Inorganic Nonmetallic Constituents				
Alkalinity	ug/l as CaCO3		83	22
Ammonia	ug/l	0.6	25	20
Chloride	ug/l	10.6		
Free Cyanide	ug/l	0.069		
Sulfate	ug/l	16.2		
Total Inorganic Carbon	ug/l	7.2		
IV. Organics (Gas Chromatography)				
Total Halogenated Organics (ECD)	**	0.59	ND	ND
Volatile Halogenated Organics	***		590	430
Freon TF	ug/l	21.4		
Methylene Chloride	ug/l	98.3		
Perchloroethylene	ug/l	3.0		
Trichloroethylene	ug/l	169		
1,1,1-Trichloroethane	ug/l	0.4		
V. Organics (Miscellaneous)				
Total Organic Carbon	ug/l	28.0	ND	ND
Phenol	ug/l	0.06	0.01	0.031

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals; L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number P-3  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA
*****	*****	*****	*****	*****
Conductivity	umhos/cm		2500	1900
pH	pH Units		7.30	7.65
Redox Potential	mV			
Temperature	Deg. C.			
II. Inorganic Metallic Constituents				
*****	*****			
Zinc	ug/l		1.9	3.70
III. Inorganic Nonmetallic Constituents				
*****	*****			
Alkalinity	ug/l as CaCO3		480	470
Chloride	ug/l		500	520
IV. Organics (Gas Chromatography)				
*****	*****			
Total Halogenated Organics (ECD)	**	0.54	0.07	ND
Volatile Halogenated Organics	***		3200	860
Methylene Chloride	ug/l		27	
Perchloroethylene	ug/l		74.7	
Trichloroethylene	ug/l		19.5	
V. Organics (Miscellaneous)				
*****	*****			
Total Organic Carbon	ug/l		36	33

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camp Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA
Conductivity	umhos/cm	1190	1750	930
pH	pH Units		7.60	7.91
Redox Potential	mV			
Temperature	Deg. C.			
II. Inorganic Metallic Constituents				
Aluminum	ug/l	0.6		
Copper	ug/l	0.019		
Iron	ug/l	0.04		
Manganese	ug/l	0.39		
Nickel	ug/l	0.05		
Zinc	ug/l	5.9	13	1.45
III. Inorganic Nonmetallic Constituents				
Alkalinity	ug/l as CaCO3		240	410
Chloride	ug/l	217	480	50
Free Cyanide	ug/l	0.174		
Sulfate	ug/l	25.4		
Total Inorganic Carbon	ug/l	71.5		
IV. Organics (Gas Chromatography)				
Total Organic Scan (FID)	#	1.8		
Total Halogenated Organics (ECD)	##	0.54	0.2	0.4
Volatile Halogenated Organics	###		80	1.3
Freon TF	ug/l	13.7		
Methylene Chloride	ug/l	0.9		
Perchloroethylene	ug/l	28.4		
Trichloroethylene	ug/l	30.7		
V. Organics (Miscellaneous)				
Total Organic Carbon	ug/l	29.5	ND	ND

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 # ug/l as Carbon - Lindane Standard  
 ## ug/l as Chlorine - Lindane Standard  
 ### ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number P-5

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA
Conductivity	umhos/cm		950	245
pH	pH Units		7.40	7.60
Redox Potential	mV			
Temperature	Deg. C.			
II. Inorganic Metallic Constituents				
Selenium	mg/l		0.150	0.074
Zinc	mg/l		9.1	1.53
III. Inorganic Nonmetallic Constituents				
Alkalinity	mg/l as CaCO3		370	130
Chloride	mg/l		350	17
IV. Organics (Gas Chromatography)				
Total Halogenated Organics (ECD)	**	1.52	0.18	ND
Volatile Halogenated Organics	***		1500	100
Freon TF	ug/l	59.6		
Methylene Chloride	ug/l	6.0		
Perchloroethylene	ug/l	2670.0		
Trichloroethylene	ug/l	223		
1,1,1-Trichloroethane	ug/l	81.0		

V. Organics (Miscellaneous)

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Cano Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard

I. Physical Parameters	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA
Conductivity	umhos/cm	310	525	210
pH	pH Units		10.60	10.44
Redox Potential	mV			
Temperature	Deg. C.			
II. Inorganic Metallic Constituents				
Chromium	ug/l	0.022		
Iron	ug/l	0.06		
Manganese	ug/l	0.02		
Mercury	ug/l	0.0005		
Nickel	ug/l	0.04		
Selenium	ug/l	0.0008		
Zinc	ug/l	0.16	0.167	0.080
III. Inorganic Nonmetallic Constituents				
Alkalinity	ug/l as CaCO3	0.8	83	74
Chloride	ug/l	5.3	180	5.8
Free Cyanide	ug/l	0.045		
Soluble Arsenic	ug/l	0.0033	ND	ND
Soluble Boron	ug/l	3		
Sulfate	ug/l	28.0		
Total Inorganic Carbon	ug/l	7.0		
IV. Organics (Gas Chromatography)				
Total Halogenated Organics (ECD)	**	0.92	0.31	ND
Volatile Halogenated Organics	***		21	170
V. Organics (Miscellaneous)				
Total Organic Carbon	ug/l	22.0	ND	ND
Phenol	ug/l	ND	0.01	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camp Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number P-7  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA
*****				
Conductivity	umhos/cm	278	670	410
pH	pH Units		8.56	7.55
Redox Potential	mV			
Temperature	Deg. C.			
II. Inorganic Metallic Constituents				
*****				
Cadmium	ug/l	0.003		
Chromium	ug/l	0.219		
Iron	ug/l	0.05		
Manganese	ug/l	0.02		
Nickel	ug/l	0.08		
Selenium	ug/l	0.030	0.016	0.038
Zinc	ug/l	0.09	0.658	0.238
III. Inorganic Nonmetallic Constituents				
*****				
Alkalinity	ug/l as CaCO3	0.4	180	150
Ammonia	ug/l	3.0		
Chloride	ug/l	21.1	49	45
Free Cyanide	ug/l	0.159		
Sulfate	ug/l	22.4		
Total Inorganic Carbon	ug/l	19.5		
IV. Organics (Gas Chromatography)				
*****				
Total Halogenated Organics (ECD)	**	0.63	8.63	ND
Volatile Halogenated Organics	***		100000	48000
Methylene Chloride	ug/l	20600		
Perchloroethylene	ug/l	1230.0		
Trichloroethylene	ug/l	3300		
IV. Organics (Miscellaneous)				
*****				
Total Organic Carbon	ug/l	150	220	160
Phenol	ug/l	0.08	0.24	0.18

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79 RECRA	7/81 RECRA	12/81 RECRA
Conductivity	umhos/cm	396	470	283
pH	pH Units		10.95	10.25
Redox Potential	mV			
Temperature	Deg. C.			
II. Inorganic Metallic Constituents				
Cadmium	ug/l	0.003		
Chromium	ug/l	0.101		
Iron	ug/l	0.20		
Selenium	ug/l	0.0013	ND	ND
Zinc	ug/l	0.12	0.146	0.099
III. Inorganic Nonmetallic Constituents				
Alkalinity	ug/l as CaCO3	0.4	100	100
Ammonia	ug/l	0.7		
Chloride	ug/l	22.2	65	32
Free Cyanide	ug/l	0.570		
Soluble Arsenic	ug/l	0.005	ND	ND
Soluble Boron	ug/l	3		
Sulfate	ug/l	28.2		
Total Cyanide	ug/l	0.761		
Total Inorganic Carbon	ug/l	4.5		
IV. Organics (Gas Chromatography)				
Total Halogenated Organics (ECD)	**	0.07	0.27	1.1
Volatile Halogenated Organics	***		2800	13
Freon TF	ug/l	371		
Methylene Chloride	ug/l	112		
Perchloroethylene	ug/l	431		
Trichloroethylene	ug/l	2.5		
IV. Organics (Miscellaneous)				
Total Organic Carbon	ug/l	24.5	11	ND
Phenol	ug/l	0.01	0.04	0.01

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals; L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number P-10  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	5/79 RECRA
*****		
Conductivity	uMhos/cm	265
pH	pH Units	
Redox Potential	mV	
Temperature	Deg. C.	
II. Inorganic Metallic Constituents		
*****		
Cadmium	ug/l	0.006
Chromium	ug/l	0.011
Iron	ug/l	0.07
Manganese	ug/l	0.03
Mercury	ug/l	0.0012
Nickel	ug/l	0.03
Zinc	ug/l	0.49
III. Inorganic Nonmetallic Constituents		
*****		
Alkalinity	ug/l as CaCO3	0.6
Ammonia	ug/l	1.0
Chloride	ug/l	21.1
Free Cyanide	ug/l	0.047
Soluble Boron	ug/l	2
Sulfate	ug/l	28.2
Total Inorganic Carbon	ug/l	14.0
IV. Organics (Gas Chromatography)		
*****		
Total Halogenated Organics (ECD)	**	0.15
Methylene Chloride	ug/l	0.7
Trichloroethylene	ug/l	0.7
V. Organics (Miscellaneous)		
*****		
Total Organic Carbon	ug/l	46.0

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

	Units	5/79 RECRA
<b>I. Physical Parameters</b>		
*****		
Conductivity	umhos/cm	399
pH	pH Units	
Redox Potential	mV	
Temperature	Deg. C.	
<b>II. Inorganic Metallic Constituents</b>		
*****		
Cadmium	ug/l	0.003
Chromium	ug/l	0.024
Iron	ug/l	0.51
Nickel	ug/l	0.05
Zinc	ug/l	0.16
<b>III. Inorganic Nonmetallic Constituents</b>		
*****		
Alkalinity	ug/l as CaCO3	0.4
Chloride	ug/l	5.3
Free Cyanide	ug/l	0.020
Soluble Arsenic	ug/l	0.0068
Sulfate	ug/l	51.0
Total Inorganic Carbon	ug/l	21.5
<b>IV. Organics (Gas Chromatography)</b>		
*****		
Total Halogenated Organics (ECD)	**	0.06
Freon TF	ug/l	14.5
Methylene Chloride	ug/l	13.4
Perchloroethylene	ug/l	11.7
Trichloroethylene	ug/l	3.2
1,1,1-Trichloroethane	ug/l	0.5
<b>V. Organics (Miscellaneous)</b>		
*****		
Total Organic Carbon	ug/l	41.0
Phenol	ug/l	0.02

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals; L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number SP-1  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

	Units	3/82 RECRA	7/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C	11/83 RECRA
<b>I. Physical Parameters</b>							
Conductivity	umhos/cm	790	1248	930	1310	ND	
pH	pH Units	7.15	6.95	6.85	7.1	7.2	
Redox Potential	mV	+216.9		+518.0			
Temperature	Deg. C.			13			
<b>II. Inorganic Metallic Constituents</b>							
Copper	ug/l		0.01		ND	ND	
Zinc	ug/l	0.586	0.19	0.075	0.03	1268	
<b>III. Inorganic Nonmetallic Constituents</b>							
Alkalinity	ug/l as CaCO3	370	220	470	452	340	
Chloride	ug/l	44	86.9	56	71.3	53.2	
Soluble Arsenic	ug/l	ND	ND	ND	ND	0.006	
<b>IV. Organics (Gas Chromatography)</b>							
Total Halogenated Organics (ECD)	**	ND		0.13			ND
Volatile Halogenated Organics	***	3700		15000			4300
Carbon Tetrachloride	ug/l		ND		21	ND	
Chloroform	ug/l		ND		13	15	
2-Chloroethylvinyl ether	ug/l		ND		1	ND	
1,1 Dichloroethane	ug/l		110		320	310	
1,2 Dichloroethane	ug/l		11		12	ND	
1,1 Dichloroethylene	ug/l		ND		540	1500	
trans-1,2 Dichloroethylene	ug/l		36		26	58	
Ethylbenzene	ug/l	8.6	5.5	ND	ND	ND	ND
Methylene Chloride	ug/l		1.9		ND	ND	
Perchloroethylene	ug/l		3800		28000	14000	
Trichloroethylene	ug/l		320		580	520	
1,1,1-Trichloroethane	ug/l		310		5700	5600	
1,1,2-Trichloroethane	ug/l		ND		7	ND	
Toluene	ug/l	460	ND	250	1200	33	ND
Xylenes	ug/l	15		ND			ND
<b>V. Organics (Miscellaneous)</b>							
Total Organic Carbon	ug/l	10	9.5	26	11	55	
Phenol	ug/l	ND	ND	0.01	20	ND	

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Cama Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number SP-2  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	3/82 RECRA	7/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C	11/83 RECRA	2/84 RECRA
Conductivity	umhos/cm	520	656	410	849	6559		
pH	pH Units	7.74	7.45	7.15	7.4	7.6		
Redox Potential	mV	+278.1						
Temperature	Deg. C.			13				
II. Inorganic Metallic Constituents								
Chromium	ug/l	0.008	ND		ND	ND		ND
Copper	ug/l		0.01		ND	ND		
Zinc	ug/l	0.028	0.05		0.02	0.02		0.032
III. Inorganic Nonmetallic Constituents								
Alkalinity	ug/l as CaCO3	170	220		252	200		226
Chloride	ug/l	19	18.1		14.4	12.5		11
IV. Organics (Gas Chromatography)								
Total Halogenated Organics (ECD)	**	ND		0.93			ND	ND
Volatile Halogenated Organics	***	13		240			14	35
trans-1,2 Dichloroethylene	ug/l		4.3		ND	ND		
Methylene Chloride	ug/l		ND		ND	22		
Perchloroethylene	ug/l		6.2		47	7		
Trichloroethylene	ug/l		29		ND	9		
1,1,1-Trichloroethane	ug/l		1.4		ND	6		
V. Organics (Miscellaneous)								
Total Organic Carbon	ug/l	5	9.5		ND	8.3		1.1
Phenol	ug/l	ND	ND		ND	ND		0.013

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number SP-3  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

		3/82 RECRA	7/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C	11/83 RECRA	2/84 RECRA
<b>I. Physical Parameters</b>								
Conductivity	umhos/cm	970	1044	900	1370	1483		
pH	pH Units	7.15	6.85	7.3	7.2	7.3		
Redox Potential	mV	+167.0						
Temperature	Deg. C.			13				
<b>II. Inorganic Metallic Constituents</b>								
Chromium	ug/l	ND	ND		ND	ND		0.004
Copper	ug/l		0.04		ND	ND		
Selenium	ug/l	ND	ND		0.010	0.011		0.008
Zinc	ug/l	0.024	0.13		0.03	0.16		0.025
<b>III. Inorganic Nonmetallic Constituents</b>								
Alkalinity	ug/l as CaCO3	550	90		488	546		627
Chloride	ug/l	59	119		128	90.2		88
Soluble Arsenic	ug/l	ND	0.006		ND	ND		ND
<b>IV. Organics (Gas Chromatography)</b>								
Total Halogenated Organics (ECD)	**	ND		1.2			ND	0.91
Volatile Halogenated Organics	***	9000		13000			5100	59000
Benzene	ug/l	300	680	320	83	660	170	240
Bromodichloromethane	ug/l		30		ND	ND		
Carbon Tetrachloride	ug/l		ND		50	ND		
Chlorobenzene	ug/l		ND		ND	24		
Chloroform	ug/l		1400		1200	1700		
1,1 Dichloroethane	ug/l		92		120	160		
1,2 Dichloroethane	ug/l		440		430	750		
1,1 Dichloroethylene	ug/l		38		100	130		
trans-1,2 Dichloroethylene	ug/l		6900		11000	14000		
Ethylbenzene	ug/l	ND	13	47	ND	24	15	6.8
Methylene Chloride	ug/l		1300		100	350		
Perchloroethylene	ug/l		90		200	390		
Trichloroethylene	ug/l		33000		44000	97000		
1,1,1-Trichloroethane	ug/l		160		240	280		
Toluene	ug/l	64	240	130	ND	380	ND	7.7
Vinyl Chloride	ug/l		ND		ND	370		
Xylenes	ug/l	ND		24			30.4	22.1
<b>V. Organics (Miscellaneous)</b>								
Total Organic Carbon	ug/l	13	13.8		15.3	19		12.2
Phenol	ug/l	0.011	4		ND	20		0.012

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number SP-4  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	3/82 RECRA	7/82 L/C	11/82 RECRA	12/82 L/C	11/83 RECRA
*****						
Conductivity	umhos/cm	2230	3350	2430	4810	
pH	pH Units	7.18	7.85	6.95	7.0	
Redox Potential	mV	+203.5		+475.1		
Temperature	Deg. C.			13		
II. Inorganic Metallic Constituents						
*****						
Chromium	mg/l	0.008	ND	ND	ND	0.009
Copper	mg/l		0.02		ND	
Selenium	mg/l	ND	0.09	ND	0.013	0.023
Silver	mg/l	ND	ND	ND	0.02	ND
Zinc	mg/l	0.130	0.08	0.030	0.01	0.238
III. Inorganic Nonmetallic Constituents						
*****						
Alkalinity	mg/l as CaCO3	240	220	350	404	596
Chloride	mg/l	160	288	210	390	205
Soluble Arsenic	mg/l	ND	0.01	ND	ND	ND
IV. Organics (Gas Chromatography)						
*****						
Total Halogenated Organics (ECD)	**	ND		0.8		4.7
Volatile Halogenated Organics	***	25000		42000		36000
Benzene	ug/l	970	2100	990	2300	1500
Bromodichloromethane	ug/l		61		ND	
Carbon Tetrachloride	ug/l		ND		700	
Chloroform	ug/l		15000		8900	
1,1 Dichloroethane	ug/l		2800		4100	
1,2 Dichloroethane	ug/l		2700		3900	
1,1 Dichloroethylene	ug/l		1100		1300	
trans-1,2 Dichloroethylene	ug/l		25000		70000	
1,2-Dichloropropane	ug/l		21		ND	
Ethylbenzene	ug/l	ND	ND	42	110	41
Methylene Chloride	ug/l		4200		6900	
Perchloroethylene	ug/l		14000		32000	
Trichloroethylene	ug/l		19000		47000	
1,1,1-Trichloroethane	ug/l		2700		4400	
1,1,2-Trichloroethane	ug/l		ND		120	
Trichlorofluoromethane	ug/l		27		ND	
Toluene	ug/l	8600	4800	7200	25000	11000
Xylenes	ug/l	ND		21		46.1
V. Organics (Miscellaneous)						
*****						
Total Organic Carbon	mg/l	150	75	240	57.0	319
Phenol	mg/l	1.2	7	1.7	4	1.29

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number SP-5  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

		3/82	7/82	11/82	12/82	3/83	11/83	2/84
	Units	RECRA	L/C	RECRA	L/C	L/C	RECRA	RECRA
<b>I. Physical Parameters</b>								
Conductivity	umhos/cm	3620	4760	5800	11700	10200		
pH	pH Units	7.56	7.25	7.1	7.2	7.0		
Redox Potential	mV	+201.1		+469.0				
Temperature	Deg. C.			12.5				
<b>II. Inorganic Metallic Constituents</b>								
Chromium	ug/l	0.012	ND	0.004	ND	ND	ND	ND
Copper	ug/l		0.01		ND	0.02		
Silver	ug/l	ND	0.01	0.04	0.02	0.01	ND	ND
Zinc	ug/l	0.028	0.05	0.09	0.04	0.04	0.331	0.018
<b>III. Inorganic Nonmetallic Constituents</b>								
Alkalinity	ug/l as CaCO3	300	212	250	304	224	327	328
Chloride	ug/l	1400	1400	4000	4000	3533	2360	1500
Soluble Arsenic	ug/l	ND	ND	ND	ND	ND	0.009	0.011
<b>IV. Organics (Gas Chromatography)</b>								
Total Halogenated Organics (ECD)	**	ND		0.33			ND	ND
Volatile Halogenated Organics	***	17		240		ND	19	48
Bromodichloromethane	ug/l		3.1		ND	ND		
Chloroform	ug/l		19		ND	ND		
1,1 Dichloroethane	ug/l		1.3		ND	ND		
1,2 Dichloroethane	ug/l		7.9		ND	ND		
trans-1,2 Dichloroethylene	ug/l		100		ND	11		
Methylene Chloride	ug/l		5.3		ND	29		
Perchloroethylene	ug/l		29		ND	15		
Trichloroethylene	ug/l		590		ND	36		
1,1,1-Trichloroethane	ug/l		4.5		ND	6		
Toluene	ug/l	ND	ND	ND	ND	47	ND	ND
<b>V. Organics (Miscellaneous)</b>								
Total Organic Carbon	ug/l	3	2.5	5.3	3	14.5	5.1	5.4
Phenol	ug/l	ND	21.0	0.014	ND	ND	0.015	ND

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number SP-6  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	7/82 L/C	12/82 L/C	3/83 L/C
*****				
Conductivity	umhos/cm	2040	2540	2270
pH	pH Units	7.35	7.4	7
Redox Potential	mV			
Temperature	Deg. C.			
II. Inorganic Metallic Constituents				
*****				
Chromium	ug/l	0.03	ND	ND
Copper	ug/l	0.01	ND	0.02
Silver	ug/l	0.01	ND	ND
Zinc	ug/l	0.07	0.05	0.08
III. Inorganic Nonmetallic Constituents				
*****				
Alkalinity	ug/l as CaCO3	214	746	518
Chloride	ug/l	654	415	317
IV. Organics (Gas Chromatography)				
*****				
Bromodichloromethane	ug/l	3.0	ND	ND
Chloroform	ug/l	3.2	ND	ND
1,1 Dichloroethane	ug/l	1.2	ND	ND
1,2 Dichloroethane	ug/l	3.2	ND	ND
trans-1,2 Dichloroethylene	ug/l	4.2	18	ND
Methylene Chloride	ug/l	1.5	ND	21
Perchloroethylene	ug/l	ND	7	ND
Trichloroethylene	ug/l	24	5	ND
1,1,1-Trichloroethane	ug/l	3.5	ND	ND
V. Organics (Miscellaneous)				
*****				
Total Organic Carbon	ug/l	8	11.5	20

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camp Laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number SP-7

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	7/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C	11/83 RECRA	2/84 RECRA
Conductivity	umhos/cm	748	1150	1890	1624		
pH	pH Units	8.60	6.9	7.2	7.1		
Redox Potential	mV		+485.7				
Temperature	Deg. C.		14				
II. Inorganic Metallic Constituents							
Chromium	mg/l	0.79	ND	ND	ND	ND	ND
Copper	mg/l	0.01	ND	ND	ND	ND	ND
Zinc	mg/l	0.30	0.028	0.03	ND	0.199	0.030
III. Inorganic Nonmetallic Constituents							
Alkalinity	mg/l as CaCO3	68	730	379	198	334	340
Chloride	mg/l	140	350	400	165	500	216
Soluble Arsenic	mg/l	ND	ND	0.030	0.01	ND	ND
IV. Organics (Gas Chromatography)							
Volatile Halogenated Organics	***		5300			1600	4000
Benzene	ug/l	ND	ND	16	23	6.8	6.1
Chloroform	ug/l	ND		33	38		
1,1 Dichloroethane	ug/l	33		220	370		
1,2 Dichloroethane	ug/l	33		48	160		
1,1 Dichloroethylene	ug/l	31		320	1500		
trans-1,2 Dichloroethylene	ug/l	157		1500	1800		
Methylene Chloride	ug/l	7.5		26	80		
Perchloroethylene	ug/l	130		1300	370		
Trichloroethylene	ug/l	230		730	1100		
1,1,1-Trichloroethane	ug/l	490		2400	6700		
Trichlorofluoromethane	ug/l	ND		17	ND		
Toluene	ug/l	ND	ND	ND	ND	ND	1.0
Vinyl Chloride	ug/l	ND		ND	100		
Xylenes	ug/l		ND			ND	1.6
V. Organics (Miscellaneous)							
Total Organic Carbon	mg/l	4	7.0	3.5	8.0	6.0	3.1
Phenol	mg/l	ND	ND	ND	ND	0.014	0.012

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/80 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA	7/82 L/C	9/82 RECRA	9/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C	11/83 RECRA	2/84 RECRA
Conductivity	umhos/cm	478	660	365	330	513	460	413	272	450	454		
pH	pH Units	11.94	11.10	9.08	9.93	10.70	9.90	10.4	8.70	9.5	9.6		
Redox Potential	mV				+155.0				+465.0				
Temperature	Deg. C.								12				
II. Inorganic Metallic Constituents													
Aluminum	ug/l	0.4											
Copper	ug/l				ND		ND	ND	ND	ND	ND	ND	ND
Iron	ug/l	0.03				0.05	0.014	0.07		0.04	ND	ND	ND
Selenium	ug/l	ND	ND	ND	ND	0.030	ND	ND	ND	ND	ND	ND	ND
Silver	ug/l				ND	ND	ND	ND	ND	ND	ND	ND	0.011
Zinc	ug/l	0.014	0.011	0.008	0.006	0.17	0.083	0.18	0.012	0.10	0.01	ND	0.008
III. Inorganic Nonmetallic Constituents													
Alkalinity	ug/l as CaCO3		230	160	150	120	130	156	170	154	132	115	141
Ammonia	ug/l	2.32											
Chloride	ug/l	16.6	80	27	28	42.9	25	38.0	29	33.1	25.7	24	23.4
Soluble Arsenic	ug/l	ND	0.017	0.014	ND	0.012	ND	0.003	ND	ND	ND	0.006	0.010
Sulfate	ug/l	29.0											
Total Inorganic Carbon	ug/l	19.5											
IV. Organics (Gas Chromatography)													
Total Organic Scan (FID)	*	26											
Total Halogenated Organics (ECD)	**	0.68	0.08	ND	ND		ND		0.11			ND	ND
Volatile Halogenated Organics	***		4.7	22	2.9				20			2.0	ND
Methylene Chloride	ug/l	12				ND	ND	ND		ND	ND		
Perchloroethylene	ug/l	2.1				ND	ND	ND		ND	ND		
Trichloroethylene	ug/l	ND				ND	ND	ND		ND	9		
Toluene	ug/l	ND			ND	ND	ND	ND	ND	6	ND	ND	ND
V. Organics (Miscellaneous)													
Total Organic Carbon	ug/l	7.2	ND	ND	1	2.5	1.2	8.0	1.4	6.0	9.5	1.2	ND
Phenol	ug/l	0.013	ND	ND	ND	ND	0.021	ND	ND	10	8	0.021	0.012

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Chlorine - Napthalene Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number W-2  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	5/80 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA	7/82 L/C	9/82 RECRA	9/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C	11/83 RECRA	2/84 RECRA
Conductivity	umhos/cm	275	255	265	220	283	322	313	211	358	358		
pH	pH Units	8.66	8.45	8.58	8.07	8.20	7.80	8.9	7.75	8.5	8.1		
Redox Potential	mV				+203.1				+475.9				
Temperature	Deg. C.								11				
II. Inorganic Metallic Constituents													
Aluminum	mg/l	0.4											
Chromium	mg/l	ND			ND	ND	ND	ND	0.002	ND	ND	ND	ND
Copper	mg/l	0.008				0.01	ND	0.01	0.01	ND	ND	0.020	0.015
Zinc	mg/l	0.018	0.028	0.029	ND	0.02	0.019	0.01	0.034	0.01	ND		
III. Inorganic Nonmetallic Constituents													
Alkalinity	mg/l as CaCO3		130	130	130	66	140	176	130	164	116	134	132
Ammonia	mg/l	0.15											
Chloride	mg/l	5.75	80	9.6	17	12.5	14	17.3	20	24.1	23.5	15	18.0
Soluble Arsenic	mg/l	ND	0.0087	0.023	ND	0.016	ND	0.007	ND	ND	0.007	ND	0.016
Sulfate	mg/l	18.0											
Total Inorganic Carbon	mg/l	29.5											
IV. Organics (Gas Chromatography)													
Total Halogenated Organics (ECD)	**	1.3	ND	ND	ND		ND		0.14			ND	ND
Volatile Halogenated Organics	***		12	5.2	5.6				6.2			6.1	3.6
trans-1,2 Dichloroethylene	ug/l					ND		ND		9			
Freon TF	ug/l	74											
Methylene Chloride	ug/l	66					ND	ND		ND	71		
Perchloroethylene	ug/l	3.3					ND	ND		6	ND		
Trichloroethylene	ug/l	23					ND	ND		7	ND		
1,1,1-Trichloroethane	ug/l	48					ND	ND		ND	ND		
V. Organics (Miscellaneous)													
Total Organic Carbon	mg/l	2.5	ND	ND	ND	ND	ND	4.0	1.2	3.0	8	2.7	ND
Phenol	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND	8	0.037	0.019

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Cano Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number W-3

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	5/80 RECRA	7/81 RECRA	12/81 RECRA	3/82 RECRA	7/82 L/C	9/82 RECRA	9/82 L/C	11/82 RECRA	12/82 L/C	3/83 L/C	11/83 RECRA	2/84 RECRA
Conductivity	umhos/cm	2450	1750	1750	845	1692	1610	1140	870	1410	803		
pH	pH Units	12.04	12.00	11.92	11.31	11.75	11.05	12.0	11.15	11.4	11.3		
Redox Potential	mV				+102.8				+220.3				
Temperature	Deg. C.								11				
II. Inorganic Metallic Constituents													
Aluminum	ug/l	0.9											
Copper	ug/l	0.006				0.04	0.004	ND		ND			
Iron	ug/l	0.02									ND		
Selenium	ug/l	ND	ND	ND	ND	0.040	ND	ND	ND	ND	ND	ND	ND
Zinc	ug/l	0.016	0.006		ND	0.05	0.017	0.01	0.004	ND	ND	0.009	0.026
III. Inorganic Nonmetallic Constituents													
Alkalinity	ug/l as CaCO3		530	550	330	170	390	464	320	350	224	227	278
Ammonia	ug/l	2.96											
Chloride	ug/l	12.3	44	9.6	13	19.3	12	21.0	17	28.9	16.0	24	17.8
Free Cyanide	ug/l	0.021											
Soluble Arsenic	ug/l	ND	ND	ND	ND	0.054	ND	0.063	0.011	0.004	0.013	0.026	0.025
Sulfate	ug/l	11.6											
Total Inorganic Carbon	ug/l	4.5											
IV. Organics (Gas Chromatography)													
Total Halogenated Organics (ECD)	**	1.6	0.11	ND	ND		ND		0.38			ND	ND
Volatile Halogenated Organics	***		1200	630	1100				770			440	4400
Benzene	ug/l				8.5	24	ND	ND	1.3		8	ND	3.7
Carbon Tetrachloride	ug/l					ND	ND	ND		14	ND		
Chlorobenzene	ug/l					ND	ND	ND		ND	6		
Chloroform	ug/l					22	ND	7		ND	69		
1,1 Dichloroethane	ug/l					150	94	81		49	120		
1,2 Dichloroethane	ug/l					2000	1400	1200		520	1900		
1,1 Dichloroethylene	ug/l					170	32	60		16	43		
trans-1,2 Dichloroethylene	ug/l					370	210	175		300	380		
Ethylbenzene	ug/l			ND		ND	ND	ND		ND	ND	2.3	1.3
Freon TF	ug/l	130											
Methylene Chloride	ug/l	70				33	39	54		20	150		
Perchloroethylene	ug/l	5.7				94	59	70		36	250		
Trichloroethylene	ug/l	33				360	180	186		65	720		
1,1,1-Trichloroethane	ug/l	170				620	200	236		65	1000		
Toluene	ug/l	ND				72	59	70		33	110		
Xylenes	ug/l	ND			54	ND			76			16	160
V. Organics (Miscellaneous)													
Total Organic Carbon	ug/l	6.0	ND	2.0	2	3	1.8	4.0	2.8	3.0	12.5	1.0	1.1
Phenol	ug/l	0.015	ND	ND	ND	7	0.012	ND	ND	ND	4	0.029	0.021

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number W-3A(1)  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	11/83 RECRA	2/84 RECRA
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents			
Zinc	ug/l		1.47
III. Inorganic Nonmetallic Constituents			
Alkalinity	ug/l as CaCO3		119
Chloride	ug/l		4.8
IV. Organics (Gas Chromatography)			
Volatile Halogenated Organics	***	12	14

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lazier/Camo Laboratories  
RECRA lists soluble metals, L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

Well Number W-3A(2)  
\*\*\*\*\*

Data Gathered Prior to General Testing Corporation Quarterly Sampling  
Groundwater Samples

I. Physical Parameters	Units	11/83	2/84
		RECRA	RECRA
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents			
Zinc	ug/l		0.125
III. Inorganic Nonmetallic Constituents			
Alkalinity	ug/l as CaCO3		109
Chloride	ug/l		5.3
IV. Organics (Gas Chromatography)			
Volatile Halogenated Organics	***	6.9	ND
Toluene	ug/l	1.4	ND

Notes: RECRA = Recra Environmental Laboratories  
L/C = Lozier/Camo Laboratories  
RECRA lists soluble metals; L/C lists total metals  
\* ug/l as Carbon - Lindane Standard  
\*\* ug/l as Chlorine - Lindane Standard  
\*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters *****	Units	11/83	2/84
		RECRA	RECRA
Conductivity	umhos/cm		
pH	pH Units		
Redox Potential	mV		
Temperature	Deg. C.		
II. Inorganic Metallic Constituents *****			
Zinc	mg/l		1.81
III. Inorganic Nonmetallic Constituents *****			
Alkalinity	mg/l as CaCO3		125
Chloride	mg/l		13.7
IV. Organics (Gas Chromatography) *****			
Halogenated Organics Scat (ECD)	**	ND	0.76
Volatile Halogenated Organics	***	49	27
Toluene	mg/l	4.8	3.0
V. Organics (Miscellaneous) *****			
Total Organic Carbon	mg/l		1.0

Notes: RECRA = Recra Environmental Laboratories  
 L/C = Lozier/Camo laboratories  
 RECRA lists soluble metals, L/C lists total metals  
 \* ug/l as Carbon - Lindane Standard  
 \*\* ug/l as Chlorine - Lindane Standard  
 \*\*\* ug/l as Chlorine - Carbon Tetrachloride Standard



Faint, illegible text centered on the page, possibly bleed-through from the reverse side.

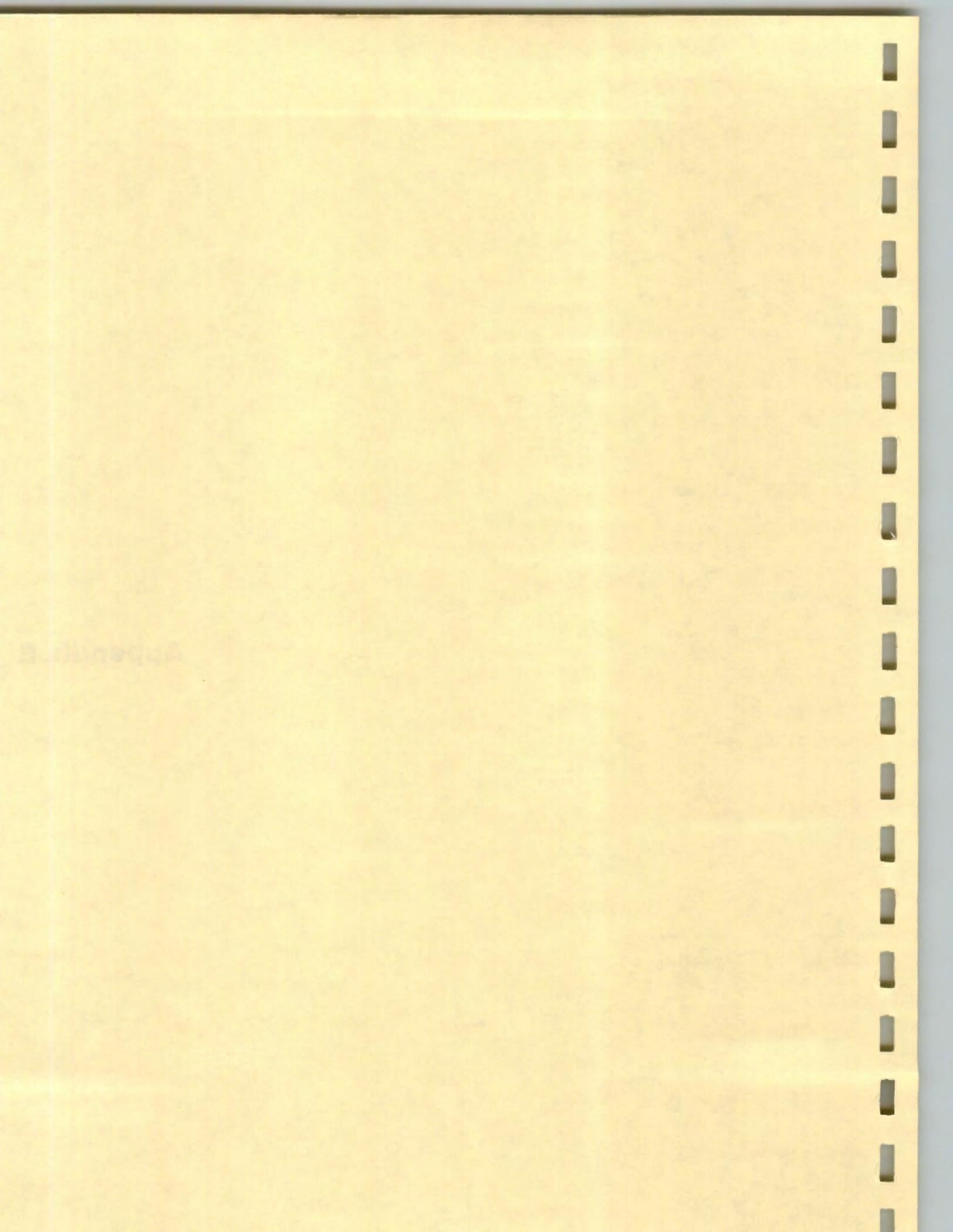
Very faint text at the bottom center, possibly a signature or date.

Faint text at the bottom right, possibly a name or title.

Faint text at the bottom right, possibly a date or reference number.

Faint text at the bottom right, possibly a name or title.

**Appendix E**



I. Physical Parameters	Units	5/79	5/80
*****	*****	*****	*****
Specific Conductance	umhos/cm	300	351
pH	pH Units		7.8
II. Inorganic Metallic Constituents			
*****	*****	*****	*****
Soluble Aluminum	ug/l	0.4	0.4
Soluble Cadmium	ug/l	0.003	ND
Soluble Copper	ug/l	0.016	ND
Soluble Iron	ug/l	0.35	0.58
Soluble Manganese	ug/l	0.04	0.11
Soluble Nickel	ug/l	0.04	ND
Soluble Selenium	ug/l	0.0014	ND
Soluble Zinc	ug/l	0.095	0.049
III. Inorganic Nonmetallic Constituents			
*****	*****	*****	*****
Chloride	ug/l	63.4	56.6
Free Cyanide	ug/l	ND	0.016
Sulfate	ug/l	21.8	27
Total Inorganic Carbon	ug/l	23.2	19
IV. Organics (Gas Chromatography)			
*****	*****	*****	*****
Total Organic Scan (FID)	**		50
Halogenated Organics			
Scan (ECD)	***	0.24	0.28
Methylene Chloride	ug/l	13.8	50
V. Organics (Miscellaneous)			
*****	*****	*****	*****
Total Organic Carbon	ug/l	17.5	20.2
Phenol	ug/l	ND	0.016
*****	*****	*****	*****

Notes: #ug/l as Carbon - Lindane Standard  
 ##ug/l as Chlorine - Napthalene Standard  
 \*\*\*ug/l as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79	5/80	7/81	12/81	3/82	11/82
Specific Conductance	umhos/cm	1180	720		650	1310	1670
pH	pH Units		8.31		7.34	7.59	7.2
Redox Potential	mV					230.4	477.1
Temperature	Deg. C.						13
II. Inorganic Metallic Constituents							
Soluble Aluminum	ug/l	0.6	0.4				
Soluble Cadmium	ug/l	0.006	ND				
Soluble Total Chromium	ug/l	0.003	ND			ND	ND
Soluble Copper	ug/l	0.03	ND				
Soluble Iron	ug/l	0.08	0.02				
Soluble Manganese	ug/l	0.04	0.02				
Soluble Nickel	ug/l	0.03	ND				
Soluble Selenium	ug/l	0.0007	ND		ND	ND	ND
Soluble Silver	ug/l					ND	0.004
Soluble Zinc	ug/l	0.08	0.027		0.045	0.041	0.052
III. Inorganic Nonmetallic Constituents							
Alkalinity	ug/l as CaCO3				51	120	200
Chloride	ug/l	211	122		200	440	700
Sulfate	ug/l	79	55				
Total Inorganic Carbon	ug/l	37	23.5				
IV. Organics (Gas Chromatography)							
Halogenated Organics							
Scan (ECD)	***	0.05	0.13		0.3	0.34	
Volatile Halogenated Organic							
Scan	****				0.92	11	
Freon TF	ug/l	9.5	ND				
Methylene Chloride	ug/l	3	240				
Perchloroethylene	ug/l	6	ND				
Trichloroethylene	ug/l	1.1	ND				
1,1,1-Trichloroethane	ug/l	2.7	ND				
V. Organics (Miscellaneous)							
Total Organic Carbon	ug/l	22.5	3.75		ND	3	9.2
Phenol	ug/l	ND	0.011		ND	ND	ND

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/l as Chlorine - Naphthalene Standard  
 \*\*\*ug/l as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79	5/80	7/81	12/81	3/82	11/82
*****							
Specific Conductance	umhos/cm	1040	750		640	1770	925
pH	pH Units		8.15		7.31	7.66	7.65
Redox Potential	mV					228.8	481
Temperature	Deg. C.						13
II. Inorganic Metallic Constituents							
*****							
Soluble Aluminum	ug/l	0.4	0.4				
Soluble Cadmium	ug/l	0.009	ND				
Soluble Copper	ug/l	0.017	ND				
Soluble Iron	ug/l	0.04	0.02				
Soluble Manganese	ug/l	0.02	ND				
Soluble Nickel	ug/l	0.03	ND				
Soluble Zinc	ug/l	0.061	0.164		0.034	0.051	0.08
III. Inorganic Nonmetallic Constituents							
*****							
Alkalinity	ug/l as CaCO3				63	140	150
Chloride	ug/l	221	135		210	580	290
Soluble Boron	ug/l	4	ND				
Sulfate	ug/l	71.2	54				
Total Cyanide	ug/l	ND	ND				
Total Inorganic Carbon	ug/l	35	23				
IV. Organics (Gas Chromatography)							
*****							
Halogenated Organics							
Scan (ECD)	***	0.98	0.98		0.34	N.D.	
Volatile Halogenated Organic							
Scan	****				1.2	9.6	
Methylene Chloride	ug/l	80.9	340				
Perchloroethylene	ug/l	37.2	ND				
Trichloroethylene	ug/l	57.2	ND				
V. Organics (Miscellaneous)							
*****							
Total Organic Carbon	ug/l	8	10.5		1	5	9.8
Phenol	ug/l	ND	0.022		ND	ND	ND
*****							

Notes: #ug/l as Carbon - Lindane Standard  
 ##ug/l as Chlorine - Napthalene Standard  
 ###ug/l as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point SS-4  
\*\*\*\*\*

Data From RECRA Environmental Laboratories  
Surface Water Samples

I. Physical Parameters	Units	5/79	5/80	7/81	12/81	3/82	11/82
*****	*****	*****	*****	*****	*****	*****	*****
Specific Conductance	umhos/cm	1210	1280		1150	1930	333
pH	pH Units		8.6		7.52	7.83	7.25
Redox Potential	mV					224.3	492.9
Temperature	Deg. C.						13
II. Inorganic Metallic Constituents							
*****	*****	*****	*****	*****	*****	*****	*****
Soluble Aluminum	ug/l	0.4	0.3				
Soluble Copper	ug/l	0.01	0.006				
Soluble Iron	ug/l	0.09	0.02				
Soluble Manganese	ug/l	0.09	0.06				
Soluble Nickel	ug/l	0.03	ND				
Soluble Zinc	ug/l	0.024	0.023		0.048	0.06	0.032
III. Inorganic Nonmetallic Constituents							
*****	*****	*****	*****	*****	*****	*****	*****
Alkalinity	ug/l as CaCO3				61	140	79
Ammonia	ug/l	ND	0.17				
Chloride	ug/l	275	301		410	720	93
Sulfate	ug/l	78.2	74				
Total Inorganic Carbon	ug/l	31.5	33				
IV. Organics (Gas Chromatography)							
*****	*****	*****	*****	*****	*****	*****	*****
Total Organic Scan (FID)	#	N.D.					
Total Organic Scan (FID)	**		8400				
Halogenated Organics Scan (ECD)	***	4.05	0.06		0.58	N.D.	
Volatile Halogenated Organic Scan	****				1.9	20	
Freon TF	ug/l	2.9	ND				
Methylene Chloride	ug/l	6.8	170				
V. Organics (Miscellaneous)							
*****	*****	*****	*****	*****	*****	*****	*****
Total Organic Carbon	ug/l	25	17.5		ND	4	7.5
Phenol	ug/l	ND	0.017		ND	0.01	ND
*****	*****	*****	*****	*****	*****	*****	*****

Notes: #ug/l as Carbon - Lindane Standard  
 \*\*ug/l as Chlorine - Napthalene Standard  
 \*\*\*ug/l as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79	5/80	7/81	12/81	3/82	11/82
*****							
Specific Conductance	umhos/cm	1290	850			1980	460
pH	pH Units		7.78			7.73	7.2
Redox Potential	mV					223.7	485.2
Temperature	Deg. C.						12
II. Inorganic Metallic Constituents							
*****							
Soluble Aluminum	ug/l	0.4	0.5				
Soluble Cadmium	ug/l	0.007	ND				
Soluble Total Chromium	ug/l	0.002	ND			ND	ND
Soluble Copper	ug/l	0.022	ND				
Soluble Iron	ug/l	0.17	0.05				
Soluble Manganese	ug/l	0.19	0.34				
Soluble Nickel	ug/l	0.04	ND				
Soluble Silver	ug/l					ND	0.006
Soluble Zinc	ug/l	0.053	0.245			0.057	0.027
III. Inorganic Nonmetallic Constituents							
*****							
Alkalinity	ug/l as CaCO3					150	110
Ammonia	ug/l	ND	0.2				
Chloride	ug/l	296	122			710	130
Sulfate	ug/l	97	28				
Total Inorganic Carbon	ug/l	41.5	57				
IV. Organics (Gas Chromatography)							
*****							
Total Organic Scan (FID)	*	ND					
Total Organic Scan (FID)	**		120				
Halogenated Organics Scan (ECD)	***	1.38	0.65			ND	
Volatile Halogenated Organic Scan	****					12	
Freon TF	ug/l	238	ND				
Methylene Chloride	ug/l	51.2	72				
V. Organics (Miscellaneous)							
*****							
Total Organic Carbon	ug/l	53	20.5			4	9
Phenol	ug/l	ND	0.025			ND	ND
*****							

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/l as Chlorine - Napthalene Standard  
 \*\*\*ug/l as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79	5/80	7/81	12/81	3/82	11/82
Specific Conductance	umhos/cm	1130	840		785	1320	600
pH	pH Units		8.94		7.41	7.72	8
Redox Potential	mV					225.4	475.2
Temperature	Deg. C.						12
II. Inorganic Metallic Constituents							
Soluble Aluminum	mg/l	0.6	0.4				
Soluble Cadmium	mg/l	0.011	ND				
Soluble Copper	mg/l	0.062	0.006				
Soluble Iron	mg/l	0.14	0.02				
Soluble Manganese	mg/l	0.05	ND				
Soluble Mercury	mg/l	0.0009	ND		7.6		
Soluble Nickel	mg/l	0.07	ND			ND	0.004
Soluble Silver	mg/l						0.029
Soluble Zinc	mg/l	0.044	0.018		0.08	0.028	
III. Inorganic Nonmetallic Constituents							
Alkalinity	mg/l as CaCO3				69	130	120
Chloride	mg/l	243	175		260	450	200
Soluble Boron	mg/l	3	ND				
Sulfate	mg/l	72.4	60				
Total Inorganic Carbon	mg/l	34	27				
IV. Organics (Gas Chromatography)							
Total Organic Scan (FID)	#	ND					
Total Organic Scan (FID)	##		50				
Halogenated Organics Scan (ECD)	###	0.36	0.95		ND	ND	
Volatile Halogenated Organic Scan	####				0.34	2.9	
Freon TF	ug/l	6.4	ND				
Methylene Chloride	ug/l	0.4	ND				
Trichloroethylene	ug/l	0.2	ND				
V. Organics (Miscellaneous)							
Total Organic Carbon	mg/l	27.5	9		ND	3	5.2
Phenol	mg/l	ND	0.011		ND	ND	ND

Notes: #ug/l as Carbon - Lindane Standard  
 ##ug/l as Chlorine - Napthalene Standard  
 ###ug/l as Chlorine - Lindane Standard  
 ####ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point SS-7  
\*\*\*\*\*

Data From RECRA Environmental Laboratories  
Surface Water Samples

1. Physical Parameters	Units	5/79	5/80	7/81	12/81	3/82	11/82
*****							
Specific Conductance	umhos/cm	900	750		940	1590	270
pH	pH Units		8.73		7.5	7.83	7.35
Redox Potential	mV					276.5	488.2
Temperature	Deg. C.						13
II. Inorganic Metallic Constituents							
*****							
Soluble Aluminum	ug/l	0.8	0.3				
Soluble Cadmium	ug/l	0.015	ND				
Soluble Copper	ug/l	0.015	0.008				
Soluble Iron	ug/l	0.07	0.04				
Soluble Manganese	ug/l	0.07	0.06				
Soluble Nickel	ug/l	0.02	ND				
Soluble Zinc	ug/l	0.022	0.014	0.044	0.054	0.034	
III. Inorganic Nonmetallic Constituents							
*****							
Alkalinity	ug/l as CaCO3			58	120	77	
Chloride	ug/l	190	143	330	480	60	
Soluble Boron	ug/l	4	ND				
Sulfate	ug/l	47.2	50				
Total Inorganic Carbon	ug/l	30.5	85				
IV. Organics (Gas Chromatography)							
*****							
Halogenated Organics Scan (ECD)	***	0.08	1.6	4	N.D.		
Volatile Halogenated Organic Scan	****			0.51	54		
Methylene Chloride	ug/l	ND	5.8				
Perchloroethylene	ug/l	ND	140				
V. Organics (Miscellaneous)							
*****							
Total Organic Carbon	ug/l	33	7.5	ND	4.5	4.4	
Phenol	ug/l	ND	0.041	ND	ND	0.011	
*****							

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/l as Chlorine - Napthalene Standard  
 \*\*\*ug/l as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79	5/80
*****			
Specific Conductance	umhos/cm	1660	2050
pH	pH Units		8.22
II. Inorganic Metallic Constituents			
*****			
Soluble Aluminum	mg/l	0.4	0.4
Soluble Cadmium	mg/l	0.003	ND
Soluble Copper	mg/l	0.017	ND
Soluble Iron	mg/l	0.09	0.06
Soluble Manganese	mg/l	0.03	0.07
Soluble Zinc	mg/l	0.014	0.027
III. Inorganic Nonmetallic Constituents			
*****			
Ammonia	mg/l	ND	0.31
Chloride	mg/l	396	470
Soluble Boron	mg/l	4	ND
Sulfate	mg/l	78.4	135
Total Inorganic Carbon	mg/l	52.5	57.5
IV. Organics (Gas Chromatography)			
*****			
Halogenated Organics			
Scan (ECD)	***	0.07	0.12
Freon TF	ug/l	219	ND
Methylene Chloride	ug/l	1.9	480
V. Organics (Miscellaneous)			
*****			
Total Organic Carbon	mg/l	42	19
Phenol	mg/l	ND	0.044
*****			

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/l as Chlorine - Napthalene Standard  
 \*\*\*ug/l as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79	5/80
Specific Conductance	umhos/cm	272	485
pH	pH Units		7.46
II. Inorganic Metallic Constituents			
Soluble Aluminum	ug/l	0.6	0.4
Soluble Cadmium	ug/l	0.006	ND
Soluble Total Chromium	ug/l	0.002	ND
Soluble Copper	ug/l	0.013	ND
Soluble Iron	ug/l	0.29	0.67
Soluble Manganese	ug/l	0.04	0.07
Soluble Zinc	ug/l	0.014	0.058
III. Inorganic Nonmetallic Constituents			
Ammonia	ug/l	ND	0.22
Chloride	ug/l	71.7	153
Free Cyanide	ug/l	0.026	0.054
Soluble Arsenic	ug/l	0.029	ND
Soluble Boron	ug/l	4	ND
Sulfate	ug/l	9.6	9.1
Total Inorganic Carbon	ug/l	23	22
IV. Organics (Gas Chromatography)			
Halogenated Organics	***	1.1	0.06
Scan (ECD)	ug/l	1.5	ND
Freon TF	ug/l	3.3	1100
Methylene Chloride	ug/l	ND	2.5
Trichloroethylene	ug/l		
V. Organics (Miscellaneous)			
Total Organic Carbon	ug/l	11.5	41
Phenol	ug/l	ND	0.01

Notes: #ug/l as Carbon - Lindane Standard  
 ##ug/l as Chlorine - Napthalene Standard  
 ###ug/l as Chlorine - Lindane Standard  
 ####ug/l as Chlorine - Carbon Tetrachloride Standard

I. Physical Parameters	Units	5/79	5/80
Specific Conductance	umhos/cm	2490	11500
pH	pH Units		8.14
*****			
II. Inorganic Metallic Constituents			
*****			
Soluble Aluminum	ug/l	0.4	0.4
Soluble Cadmium	ug/l	0.013	ND
Soluble Total Chromium	ug/l	0.002	ND
Soluble Copper	ug/l	0.029	0.01
Soluble Iron	ug/l	0.1	0.03
Soluble Manganese	ug/l	0.12	0.55
Soluble Nickel	ug/l	0.04	ND
Soluble Selenium	ug/l	0.0026	ND
Soluble Zinc	ug/l	0.049	0.082
*****			
III. Inorganic Nonmetallic Constituents			
*****			
Ammonia	ug/l	ND	0.44
Chloride	ug/l	644	4320
Free Cyanide	ug/l	0.033	0.033
Soluble Boron	ug/l	2	ND
Sulfate	ug/l	140	490
Total Inorganic Carbon	ug/l	52	30.5
*****			
IV. Organics (Gas Chromatography)			
*****			
Halogenated Organics			
Scan (ECD)	***	0.07	1.3
Methylene Chloride	ug/l	4.5	18
Perchloroethylene	ug/l	1.2	ND
Trichloroethylene	ug/l	0.8	6.5
*****			
V. Organics (Miscellaneous)			
*****			
Total Organic Carbon	ug/l	54.5	38.5
Phenol	ug/l	ND	0.019
*****			

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/l as Chlorine - Napthalene Standard  
 \*\*\*ug/l as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

**Appendix F**

Appendix 4

Sample Point B-1  
 \*\*\*\*\*  
 Sample Dates 4/26-27/79  
 \*\*\*\*\*

Data From RECRA Environmental Laboratories  
 Soil Samples

Sample Interval

I. Physical Parameters	Units	(4-6')	(6-6.8')	(25-25.3')
*****	*****	*****	*****	*****
Dry Weight	%	89	95	92
II. Inorganic Metallic Constituents				
*****				
Total Aluminum	ug/g (dry)	5170	4840	3590
Total Cadmium	ug/g (dry)	ND	0.32	3.5
Total Chromium	ug/g (dry)	8.20	10.4	7.20
Total Copper	ug/g (dry)	4.27	4.42	3.26
Total Iron	ug/g (dry)	12000	11000	9100
Total Manganese	ug/g (dry)	370	350	290
Total Mercury	ug/g (dry)	0.064	0.047	0.049
Total Nickel	ug/g (dry)	6.2	6.3	6.4
Total Zinc	ug/g (dry)	21.7	20.5	12.8
III. Inorganic Nonmetallic Constituents				
*****				
Total Arsenic	ug/g (dry)	0.79	1.2	0.91
Total Cyanide	ug/g (dry)	ND	0.53	ND
Water Leachable Chloride	ug/g (dry)	22.9		
Water Leachable Sulfate	ug/g (dry)	48.5		
Water Leachable T. Inorganic Carbon	ug/g (dry)	22.5		
IV. Organics (Gas Chromatography)				
*****				
Total Organic Scan (FID)	**	1.1	ND	ND
Scan (ECD)	***	0.663	0.100	0.040
V. Organics (Miscellaneous)				
*****				
Water Leachable TOC	ug/g (dry)	18.9		

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/g (dry) as Carbon - Napthalene Standard  
 \*\*\*ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point B-2  
\*\*\*\*\*  
Sample Dates 4/26-27/79  
\*\*\*\*\*

Data From RECRA Environmental Laboratories  
Soil Samples

I. Physical Parameters ***** Dry Weight	Units ***** %	Sample Interval	
		(10-10.9')(22-22.4')	***** *****
II. Inorganic Metallic Constituents *****			
Total Aluminum	ug/g (dry)	4040	3780
Total Cadmium	ug/g (dry)	0.85	0.78
Total Chromium	ug/g (dry)	5.64	6.66
Total Copper	ug/g (dry)	3.60	3.39
Total Iron	ug/g (dry)	9100	9800
Total Manganese	ug/g (dry)	290	300
Total Mercury	ug/g (dry)	0.038	ND
Total Nickel	ug/g (dry)	3.7	4.4
Total Zinc	ug/g (dry)	14.9	15.7
III. Inorganic Nonmetallic Constituents *****			
Total Arsenic	ug/g (dry)	0.65	1.2
Water Leachable Chloride	ug/g (dry)	470	
Water Leachable Sulfate	ug/g (dry)	28.9	
Water Leachable T. Inorganic Carbon	ug/g (dry)	11.5	
IV. Organics (Gas Chromatography) *****			
Scan (ECD)	***	0.012	0.033
V. Organics (Miscellaneous) *****			
Water Leachable TOC	ug/g (dry)	16.2	

Notes: \*ug/l as Carbon - Lindane Standard  
\*\*ug/g (dry) as Carbon - Napthalene Standard  
\*\*\*ug/g (dry) as Chlorine - Lindane Standard  
\*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point B-3  
 \*\*\*\*\*  
 Sample Dates 4/26-27/79  
 \*\*\*\*\*

Data From RECRA Environmental Laboratories  
 Soil Samples

Sample Interval

I. Physical Parameters ***** Dry Weight	Units	(6-7')	(20-20.5')
	***** %	***** 91	***** 92
II. Inorganic Metallic Constituents *****			
Total Aluminum	ug/g (dry)	3850	4240
Total Chromium	ug/g (dry)	5.38	6.98
Total Copper	ug/g (dry)	3.90	4.24
Total Iron	ug/g (dry)	9600	9800
Total Manganese	ug/g (dry)	300	280
Total Mercury	ug/g (dry)	NO	0.036
Total Nickel	ug/g (dry)	4.4	5.4
Total Zinc	ug/g (dry)	22.6	17.7
III. Inorganic Nonmetallic Constituents *****			
Total Arsenic	ug/g (dry)	0.84	2.5
Total Cyanide	ug/g (dry)	NO	0.53
Water Leachable Chloride	ug/g (dry)		21.1
Water Leachable Sulfate	ug/g (dry)		115
Water Leachable T. Inorganic Carbon	ug/g (dry)		14.3
IV. Organics (Gas Chromatography) *****			
Scan (ECD)	***	0.035	0.029
V. Organics (Miscellaneous) *****			
Water Leachable TOC	ug/g (dry)		4.8

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/g (dry) as Carbon - Napthalene Standard  
 \*\*\*ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point B-10  
 \*\*\*\*\*  
 Sample Dates 4/23/80  
 \*\*\*\*\*

Data From RECRA Environmental Laboratories  
 Soil Samples

Sample Interval

I. Physical Parameters	Units	0'-1'	4'-5'	8'-9'	16'-17'	22'-23'
***** Dry Weight	**** %	***** 77.7	***** 88.7	***** 92.1	***** 92.6	***** 90.2
II. Inorganic Metallic Constituents						
***** Total Aluminum	ug/g (dry)	7700	3400	3300	3200	4400
Total Chromium	ug/g (dry)	11.2	6.6	6.8	5.7	7.7
Total Copper	ug/g (dry)	5.8	4.6	5.6	6.5	5.7
Total Iron	ug/g (dry)	17000	9900	11000	8400	11000
Total Manganese	ug/g (dry)	130	470	540	360	430
Total Nickel	ug/g (dry)	8.1	7.1	8.0	8.6	9.3
Total Zinc	ug/g (dry)	25.1	21.8	21.3	17.4	19.8
III. Inorganic Nonmetallic Constituents						
***** Total Arsenic	ug/g (dry)	5.2	1.3	1.4	2.3	2.5
Total Cyanide	ug/g (dry)	0.66	ND	ND	ND	ND
Water Leachable Chloride	ug/g (dry)	23.0	33.6	34.5	15.0	17.6
Water Leachable Sulfate	ug/g (dry)	149	85.7	9070	68.3	54.5
Water Leachable T. Inorganic Carbon	ug/g (dry)	ND	14.7	15.2	28.1	18.8
IV. Organics (Gas Chromatography)						
***** Total Organic Scan (FID)	**	1300	880	1100	660	1300
Scan (ECD)	***	0.14	0.04	0.37	0.22	0.05
V. Organics (Miscellaneous)						
***** Phenol	ug/g (dry)	2.29	3.17	1.68	1.67	1.52
Water Leachable TOC	ug/g (dry)	83.7	28.0	81.4	88.6	ND

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/g (dry) as Carbon - Napthalene Standard  
 \*\*\*ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point B-11  
 \*\*\*\*\*  
 Sample Dates 4/23/80  
 \*\*\*\*\*

Data From RECRA Environmental Laboratories  
 Soil Samples

Sample Interval

I. Physical Parameters	Units	2'-3'	8'-9'	22'-23'	28'-29'
*****	*****	*****	*****	*****	*****
Dry Weight	%	87.5	90.3	85.2	89.2
II. Inorganic Metallic Constituents					
*****					
Total Aluminum	ug/g (dry)	5700	3300	3500	4500
Total Chromium	ug/g (dry)	79.3	6.5	5.7	6.8
Total Copper	ug/g (dry)	15.8	4.4	5.0	4.8
Total Iron	ug/g (dry)	29000	10000	9500	13000
Total Manganese	ug/g (dry)	190	250	280	500
Total Mercury	ug/g (dry)	1.1	ND	ND	ND
Total Nickel	ug/g (dry)	6.7	7.4	6.8	8.4
Total Selenium	ug/g (dry)	180	ND	ND	ND
Total Zinc	ug/g (dry)	17.8	12.2	16.2	18.9
III. Inorganic Nonmetallic Constituents					
*****					
Total Arsenic	ug/g (dry)	3.1	2.5	1.9	9.4
Total Cyanide	ug/g (dry)	0.57	ND	ND	ND
Water Leachable Chloride	ug/g (dry)	41.2	26.4	16.2	20.0
Water Leachable Sulfate	ug/g (dry)	191	168	37.5	117
Water Leachable T. Inorganic Carbon	ug/g (dry)	11.4	15.5	25.8	19.0
IV. Organics (Gas Chromatography)					
*****					
Total Organic Scan (FID)	**	4100	1350	1500	1300
Scan (ECD)	***	0.72	ND	0.03	0.02
Perchloroethylene	ug/g (dry)	770	ND	ND	ND
Trichloroethylene	ug/g (dry)	230	ND	ND	ND
1,1,1-Trichloroethane	ug/g (dry)	25.0	ND	ND	ND
V. Organics (Miscellaneous)					
*****					
Phenol	ug/g (dry)	3.09	2.12	1.69	2.15
Water Leachable TOC	ug/g (dry)	48.0	117	71.5	84.0

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/g (dry) as Carbon - Napthalene Standard  
 \*\*\*ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point B-12  
 \*\*\*\*\*  
 Sample Dates 4/23/80  
 \*\*\*\*\*

Data From RECRA Environmental Laboratories  
 Soil Samples

Sample Interval

I. Physical Parameters	Units	4'-5'	8'-9'	15'-16'	23'-24'
*****	*****	*****	*****	*****	*****
Dry Weight	%	85.8	84.0	91.2	90.5
II. Inorganic Metallic Constituents					
*****					
Total Aluminum	ug/g (dry)	3500	3600	3300	3300
Total Chromium	ug/g (dry)	6.2	8.2	6.8	6.6
Total Copper	ug/g (dry)	7.0	4.5	5.2	6.3
Total Iron	ug/g (dry)	12000	11000	10000	8900
Total Manganese	ug/g (dry)	260	510	350	390
Total Nickel	ug/g (dry)	15.2	8.9	7.7	7.5
Total Zinc	ug/g (dry)	23.2	19.4	20.6	19.0
III. Inorganic Nonmetallic Constituents					
*****					
Total Arsenic	ug/g (dry)	5.4	4.0	1.4	1.8
Water Leachable Chloride	ug/g (dry)	24.0	19.8	19.6	15.3
Water Leachable Sulfate	ug/g (dry)	68.0	34.2	68.9	112
Water Leachable T. Inorganic Carbon	ug/g (dry)	10.5	21.4	14.3	15.5
IV. Organics (Gas Chromatography)					
*****					
Total Organic Scan (F10)	**	1400	1300	1300	790
Scan (ECD)	***	0.11	ND	0.07	ND
Perchloroethylene	ug/g (dry)	0.36	ND	ND	ND
Trichloroethylene	ug/g (dry)	0.38	ND	ND	ND
1,1,1-Trichloroethane	ug/g (dry)	0.59	ND	ND	ND
V. Organics (Miscellaneous)					
*****					
Phenol	ug/g (dry)	1.52	1.40	ND	1.73
Water Leachable TOC	ug/g (dry)	86.2	102	52.7	78.9

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/g (dry) as Carbon - Naphthalene Standard  
 \*\*\*ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point TP-5  
\*\*\*\*\*  
Sample Dates 4/4-5/79  
\*\*\*\*\*

Data From RECRA Environmental Laboratories  
Soil Samples

Sample Interval

I. Physical Parameters	Units	(3'10")
*****	*****	*****
Dry Weight	%	84
II. Inorganic Metallic Constituents		
*****		
Total Aluminum	ug/g (dry)	5360
Total Cadmium	ug/g (dry)	3.4
Total Chromium	ug/g (dry)	13.0
Total Copper	ug/g (dry)	5.39
Total Iron	ug/g (dry)	10000
Total Manganese	ug/g (dry)	370
Total Mercury	ug/g (dry)	0.050
Total Nickel	ug/g (dry)	5.4
Total Selenium	ug/g (dry)	0.07
Total Zinc	ug/g (dry)	20.0
III. Inorganic Nonmetallic Constituents		
*****		
Total Arsenic	ug/g (dry)	1.6
Water Leachable Free Cyanide	ug/g (dry)	0.14
Water Leachable Chloride	ug/g (dry)	17.0
Water Leachable Sulfate	ug/g (dry)	28.8
IV. Organics (Gas Chromatography)		
*****		
Scan (ECD)	***	0.017
V. Organics (Miscellaneous)		
*****		
Phenol	ug/g (dry)	0.77
Water Leachable TOC	ug/g (dry)	8.6

Notes: \*ug/l as Carbon - Lindane Standard  
\*\*ug/g (dry) as Carbon - Napthalene Standard  
\*\*\*ug/g (dry) as Chlorine - Lindane Standard  
\*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point TP-6  
\*\*\*\*\*  
Sample Dates 4/4-5/79  
\*\*\*\*\*

Data From RECRA Environmental Laboratories  
Soil Samples

Sample Interval

I. Physical Parameters	Units	(5')
*****	****	*****
Dry Weight	%	91
II. Inorganic Metallic Constituents		
*****		
Total Aluminum	ug/g (dry)	4400
Total Cadmium	ug/g (dry)	1.3
Total Chromium	ug/g (dry)	7.7
Total Copper	ug/g (dry)	3.90
Total Iron	ug/g (dry)	9600
Total Manganese	ug/g (dry)	300
Total Nickel	ug/g (dry)	5.0
Total Zinc	ug/g (dry)	23.8
III. Inorganic Nonmetallic Constituents		
*****		
Total Arsenic	ug/g (dry)	0.65
Water Leachable Free Cyanide	ug/g (dry)	0.09
Water Leachable Chloride	ug/g (dry)	7.2
Water Leachable Sulfate	ug/g (dry)	33.6
IV. Organics (Gas Chromatography)		
*****		
Scan (ECD)	***	0.059
V. Organics (Miscellaneous)		
*****		
Phenol	ug/g (dry)	0.77
Water Leachable TOC	ug/g (dry)	7.5

Notes: #ug/l as Carbon - Lindane Standard  
\*\*ug/g (dry) as Carbon - Napthalene Standard  
\*\*\*ug/g (dry) as Chlorine - Lindane Standard  
\*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

## Sample Interval

I. Physical Parameters	Units	(3'3")
*****	*****	*****
Dry Weight	%	77
II. Inorganic Metallic Constituents		
*****		
Total Aluminum	ug/g (dry)	7400
Total Chromium	ug/g (dry)	11.0
Total Copper	ug/g (dry)	7.19
Total Iron	ug/g (dry)	140000
Total Manganese	ug/g (dry)	370
Total Mercury	ug/g (dry)	0.055
Total Nickel	ug/g (dry)	4.5
Total Zinc	ug/g (dry)	19.2
III. Inorganic Nonmetallic Constituents		
*****		
Total Arsenic	ug/g (dry)	1.6
Water Leachable Chloride	ug/g (dry)	49.9
Water Leachable Sulfate	ug/g (dry)	120
IV. Organics (Gas Chromatography)		
*****		
Total Organic Scan (FID)	**	1.4
Scan (ECD)	***	0.008
1,1,1-Trichloroethane	ug/g (dry)	1.3
V. Organics (Miscellaneous)		
*****		
Phenol	ug/g (dry)	0.36
Water Leachable TOC	ug/g (dry)	6.7

Notes: #ug/l as Carbon - Lindane Standard  
 \*\*ug/g (dry) as Carbon - Naphthalene Standard  
 \*\*\*ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point TP-8  
 \*\*\*\*\*  
 Sample Dates 4/4-5/79  
 \*\*\*\*\*

Data From RECRA Environmental Laboratories  
 Soil Samples

Sample Interval

I. Physical Parameters ***** *****	Units ***** *****	Sample Interval	
		(2'4") *****	(11-12') *****
Dry Weight	%	82	90
II. Inorganic Metallic Constituents *****			
Total Aluminum	ug/g (dry)	5120	4440
Total Chromium	ug/g (dry)	12.0	7.0
Total Copper	ug/g (dry)	6.28	6.39
Total Iron	ug/g (dry)	15000	11000
Total Manganese	ug/g (dry)	190	365
Total Mercury	ug/g (dry)	0.077	0.040
Total Nickel	ug/g (dry)	4.3	6.7
Total Zinc	ug/g (dry)	71.2	17.7
III. Inorganic Nonmetallic Constituents *****			
Total Arsenic	ug/g (dry)	1.7	2.1
Water Leachable Chloride	ug/g (dry)	3.5	5.9
Water Leachable Sulfate	ug/g (dry)	31.2	26.7
Water Leachable T. Inorganic Carbon	ug/g (dry)	ND	6.2
IV. Organics (Gas Chromatography) *****			
Total Organic Scan (FID)	**	13.0	3.8
Scan (ECD)	***	0.035	0.078
V. Organics (Miscellaneous) *****			
Phenol	ug/g (dry)	0.34	ND
Water Leachable TOC	ug/g (dry)	8.3	9.3

Notes: #ug/l as Carbon - Lindane Standard  
 ##ug/g (dry) as Carbon - Naphthalene Standard  
 ###ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point TP-10  
 \*\*\*\*\*  
 Sample Dates 4/4-5/79  
 \*\*\*\*\*

Data From RECRA Environmental Laboratories  
 Soil Samples

Sample Interval

I. Physical Parameters ***** Dry Weight	Units ***** %	(3') ***** 77
II. Inorganic Metallic Constituents *****		
Total Aluminum	ug/g (dry)	4940
Total Cadmium	ug/g (dry)	0.13
Total Chromium	ug/g (dry)	8.50
Total Copper	ug/g (dry)	8.95
Total Iron	ug/g (dry)	14000
Total Manganese	ug/g (dry)	470
Total Mercury	ug/g (dry)	0.051
Total Nickel	ug/g (dry)	6.5
Total Zinc	ug/g (dry)	20.4
III. Inorganic Nonmetallic Constituents *****		
Total Arsenic	ug/g (dry)	2.2
Water Leachable Chloride	ug/g (dry)	3.7
Water Leachable Sulfate	ug/g (dry)	23.7
IV. Organics (Gas Chromatography) *****		
Total Organic Scan (FID)	**	0.2
Scan (ECD)	***	0.006
V. Organics (Miscellaneous) *****		
Phenol	ug/g (dry)	0.57
Water Leachable TOC	ug/g (dry)	15.6

Notes: #ug/l as Carbon - Lindane Standard  
 ##ug/g (dry) as Carbon - Napthalene Standard  
 \*\*\*ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point TP-11  
 \*\*\*\*\*  
 Sample Dates 4/4-5/79  
 \*\*\*\*\*

Data From RECRA Environmental Laboratories  
 Soil Samples

Sample Interval

I. Physical Parameters	Units	(6-8')
*****	*****	*****
Dry Weight	%	87
II. Inorganic Metallic Constituents		
*****		
Total Aluminum	ug/g (dry)	3330
Total Chromium	ug/g (dry)	4.72
Total Copper	ug/g (dry)	4.60
Total Iron	ug/g (dry)	8000
Total Manganese	ug/g (dry)	350
Total Nickel	ug/g (dry)	3.4
Total Zinc	ug/g (dry)	14.1
III. Inorganic Nonmetallic Constituents		
*****		
Total Arsenic	ug/g (dry)	1.1
Total Boron	ug/g (dry)	170
Total Cyanide	ug/g (dry)	0.31
Water Leachable Free Cyanide	ug/g (dry)	0.09
Water Leachable Chloride	ug/g (dry)	6.1
Water Leachable Sulfate	ug/g (dry)	15.2
Water Leachable T. Inorganic Carbon	ug/g (dry)	14.0
IV. Organics (Gas Chromatography)		
*****		
Scan (ECD)	***	0.092
V. Organics (Miscellaneous)		
*****		
Water Leachable TOC	ug/g (dry)	19.3

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/g (dry) as Carbon - Napthalene Standard  
 \*\*\*ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point TP-13  
 \*\*\*\*\*  
 Sample Dates 4/4-5/79  
 \*\*\*\*\*

Data From RECRA Environmental Laboratories  
 Soil Samples

Sample Interval

I. Physical Parameters	Units	(1')
***** Dry Weight	***** %	***** 82
II. Inorganic Metallic Constituents		
*****		
Total Aluminum	ug/g (dry)	6830
Total Chromium	ug/g (dry)	8.16
Total Copper	ug/g (dry)	5.18
Total Iron	ug/g (dry)	14000
Total Manganese	ug/g (dry)	240
Total Mercury	ug/g (dry)	0.048
Total Nickel	ug/g (dry)	6.7
Total Zinc	ug/g (dry)	17.7
III. Inorganic Nonmetallic Constituents		
*****		
Total Arsenic	ug/g (dry)	1.8
Total Boron	ug/g (dry)	180
Total Cyanide	ug/g (dry)	0.51
Water Leachable Chloride	ug/g (dry)	17.4
Water Leachable Sulfate	ug/g (dry)	81.5
IV. Organics (Gas Chromatography)		
*****		
Total Organic Scan (FID)	**	0.3
Scan (ECD)	***	0.010
V. Organics (Miscellaneous)		
*****		
Phenol	ug/g (dry)	0.41
Water Leachable TOC	ug/g (dry)	24.9

Notes: \*ug/l as Carbon - Lindane Standard  
 \*\*ug/g (dry) as Carbon - Napthalene Standard  
 \*\*\*ug/g (dry) as Chlorine - Lindane Standard  
 \*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

Sample Point TP-14  
\*\*\*\*\*  
Sample Dates 4/4-5/79  
\*\*\*\*\*

Data From RECRA Environmental Laboratories  
Soil Samples

Sample Interval

I. Physical Parameters	Units	(7')
*****	*****	*****
Dry Weight	%	87
II. Inorganic Metallic Constituents		
*****		
Total Aluminum	ug/g (dry)	3790
Total Cadmium	ug/g (dry)	0.80
Total Chromium	ug/g (dry)	5.06
Total Copper	ug/g (dry)	3.91
Total Iron	ug/g (dry)	8600
Total Manganese	ug/g (dry)	320
Total Nickel	ug/g (dry)	4.6
Total Zinc	ug/g (dry)	16.3
III. Inorganic Nonmetallic Constituents		
*****		
Total Arsenic	ug/g (dry)	0.37
Water Leachable Chloride	ug/g (dry)	10.3
Water Leachable Sulfate	ug/g (dry)	28.0
Water Leachable T. Inorganic Carbon	ug/g (dry)	7.4
IV. Organics (Gas Chromatography)		
*****		
Scan (ECD)	***	0.126
V. Organics (Miscellaneous)		
*****		
Phenol	ug/g (dry)	0.02
Water Leachable TOC	ug/g (dry)	23.0

Notes: \*ug/l as Carbon - Lindane Standard  
\*\*ug/g (dry) as Carbon - Napthalene Standard  
\*\*\*ug/g (dry) as Chlorine - Lindane Standard  
\*\*\*\*ug/l as Chlorine - Carbon Tetrachloride Standard

**Appendix G**



**DETECTION LIMITS  
QUARTERLY SAMPLING  
GENERAL TESTING CORPORATION**

**Parameter**

**Detection Limit (Range)**

Arsenic	0.0020 - 0.005	ppb
Copper	0.020 - 0.05	ppb
Lead	0.0050 - 0.050	ppb
Nickel	0.040	ppb
Selenium	0.0020 - 0.005	ppb
Total Chromium	0.05	ppb
Silver	0.02	ppb
Zinc	0.01	ppb

**DETECTION LIMITS  
 QUARTERLY SAMPLING  
 GENERAL TESTING CORPORATION  
 (continued)**

<u>Parameter</u>	<u>Detection Limit</u>
Chloromethane	5 ppb
Vinyl Chloride	2 ppb
Bromomethane	5 ppb
Chloroethane	2 ppb
Trichlorofluoromethene	2 ppb
1,1-Dichloroethylene	1 ppb
Methylene Chloride	1 ppb
1,2-Dichloroethylene (trans & cis)	1 ppb
1,1-Dichloroethylene	1 ppb
Chloroform	1 ppb
1,1,1-Trichloroethane	1 ppb
Carbon Tetrachloride	1 ppb
1,2-Dichloroethane	1 ppb
Trichloroethylene	1 ppb
1,2-Dichloropropane	1 ppb
Bromochloromethane	1 ppb
2-Chloroethylvinylether	1 ppb
1,3-Dichloropropene (cis)	1 ppb
1,3-Dichloropropene (trans)	2 ppb
1,1,2-Trichloroethane	2 ppb
Tetrachloroethylene	1 ppb
Dibromochloromethane	2 ppb
Chlorobenzene	2 ppb
Bromoform	2 ppb
1,1,2,2-Tetrachloroethane	2 ppb
1,3-Dichlorobenzene (m)	2 ppb
1,4-Dichlorobenzene (p)	2 ppb
1,2-Dichlorobenzene (o)	2 ppb
Benzene	2 ppb
Toluene	2 ppb
Ethylbenzene	2 ppb
Total Xylene (o,m,p)	2 ppb

**DETECTION LIMITS  
GROUNDWATER SAMPLES FROM RECRA AND LOZIER/CAMO LABORATORIES**

<u>Parameters</u>	<u>Detection Limit (Range)</u>	
Chloromethane	5 - 50	ppb
Bromomethane	10 - 50	ppb
Vinyle Chloride	10 - 50	ppb
Chloroethane	10 - 50	ppb
Methylene Chloride	1 - 50	ppb
Trichlorofluoromethane	1 - 50	ppb
1,1-Dichloroethylene	1 - 50	ppb
1,1-Dichloroethane	1 - 50	ppb
Trans-1,2-Dichloroethylene	1 - 50	ppb
Dichlorodifluoromethane	1 - 50	ppb
Chloroform	1 - 50	ppb
1,2-Dichloroethane	1 - 50	ppb
1,1,1-Trichloroethane	1 - 50	ppb
Carbon Tetrachloride	1 - 50	ppb
Bromodichloromethane	1 - 50	ppb
1,2-Dichloropropane	2 - 50	ppb
Trans-1,3-Dichloropropene	2 - 50	ppb
Trichloroethylene	1 - 50	ppb
Dibromochloromethane	1 - 50	ppb
Cis-1,3-Dichloropropene	2 - 50	ppb
1,1,2-Trichloroethane	1 - 50	ppb
Benzene	4.4 - 10	ppb
2-Chloroethylvinylether	5 - 10	ppb
Bromoform	2 - 50	ppb
Tetrachloroethylene	1 - 50	ppb
1,1,2,2-Tetrachloroethane	1 - 50	ppb
Toluene	5 - 10	ppb
Chlorobenzene	5 - 10	ppb
Ethylbenzene	5 - 10	ppb
Acrolein	100 - 400	ppb
Acrylonitrile	100 - 400	ppb

<u>Parameters</u>	<u>Detection Limits (Range)</u>
Soluble Aluminum	*
Soluble Cadmium	*
Soluble Total Chromium	0.008 - 0.03
Soluble Copper	0.004 - 0.01
Soluble Iron	*
Soluble Manganese	*
Soluble Mercury	*
Soluble Nickel	*
Soluble Selenium	0.005
Soluble Silver	0.004 - 0.01
Soluble Zinc	0.01
Alkalinity	*
Ammonia	*
Chloride	*
Free Cyanide	*
Soluble Arsenic	0.003 - 0.005
Soluble Boron	*
Sulfate	*
Total Cyanide	*
Total Inorganic Carbon	*
As Aroclor 1016	*
As Aroclor 1221	*
As Aroclor 1232	*
As Aroclor 1242	*
As Aroclor 1248	*
As Aroclor 1254	*
As Aroclor 1260	*
As Aroclor 1262	*
As Aroclor 1268	*
Total Organic Carbon	1
Phenol	0.01 - 4

\* Detection Limit Not Available

**DETECTION LIMITS  
HAZARDOUS SUBSTANCE LIST AND PRIORITY POLUTANT TESTING  
MONITOR WELLS**

<u>Method 8240 - HSL</u>	<u>Detection Limit</u>
Chloromethane	10 ppb
Vinyl Chloride	10 ppb
Bromomethane	10 ppb
Chloroethane	10 ppb
Trichlorofluoromethene	5 ppb
1,1-Dichloroethylene	5 ppb
Methylene Chloride	5 ppb
1,2-Dichloroethylene	5 ppb
1,1-Dichloroethlene	5 ppb
Chloroform	5 ppb
1,1,1-Trichloroethane	5 ppb
Carbon Tetrachloride	5 ppb
1,2-Dichloroethane	5 ppb
Trichloroethylene	5 ppb
1,2-Dichloropropane	5 ppb
Bromochloromethane	5 ppb
2-Chloroethylvinylether	5 ppb
1,3-Dichloropropene (cis)	5 ppb
1,3-Dichloropropene (trans)	5 ppb
1,1,2-Trichloroethane	5 ppb
Tetrachloroethylene	5 ppb
Dibromochloromethane	5 ppb
Chlorobenzene	5 ppb
Bromoform	5 ppb
1,1,2,2-Tetrachloroethane	5 ppb
1,3-Dichlorobenzene (m)	5 ppb
1,4-Dichlorobenzene (p)	5 ppb
1,2-Dichlorobenzene (o)	5 ppb
Benzene	5 ppb
Toluene	5 ppb
Ethylbenzene	5 ppb
Total Xylene (o,m,p)	5 ppb
Acrolein	200 ppb
Acetone	50 ppb
Acrylonitrile	100 ppb
Carbon Disulfide	10 ppb
Vinyl Acetate	50 ppb
2-Butanone (MEK)	50 ppb
4-Methyl-2-pentanone (MIBK)	50 ppb
Styrene	50 ppb
2-Hexanone	500 ppb

**DETECTION LIMITS  
HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING  
MONITOR WELLS  
(continued)**

<u>Inorganics</u>	<u>Detection Limits</u>
Total Cyanide	0.02 ppb
Aluminum	*
Antimony	0.010 ppb
Arsenic	0.002 ppb
Benzene	0.10 ppb
Beryllium	0.010 ppb
Cadmium	0.010 ppb
Calcium	*
Total Chromium	0.050 ppb
Cobalt	0.050 ppb
Copper	0.020 ppb
Iron	0.050 ppb
Lead	0.0050 ppb
Magnesium	*
Manganese	*
Mercury	0.00020 ppb
Nickle	0.040 ppb
Potassium	*
Selenium	0.0020 ppb
Silver	0.010 ppb
Sodium	*
Thallium	0.250 ppb
Tin	0.010 ppb
Vanadium	0.250 ppb
Zinc	*

\* Detection Limit Not Available

**DETECTION LIMITS  
HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING  
MONITORING WELLS  
(continued)**

<u>HSL Pesticides/PCB's</u>	<u>Detection Limits</u>
alpha - BHC	0.050 ppb
beta - BHC	0.050 ppb
gamma - BHC	0.050 ppb
Heptachlor	0.050 ppb
delta - BHC	0.050 ppb
Heptachlorepoxyde	0.050 ppb
alpha - endosulfur	0.050 ppb
4,4' - DDE	0.050 ppb
Dieldrin	0.050 ppb
Endrin	0.050 ppb
4,4' - TDE (DDD)	0.050 ppb
beta - Endosulfur	0.10 ppb
4,4' - DDT	0.10 ppb
Endrin Aldehyde	0.10 ppb
Endosulfur Sulfate	0.10 ppb
Mirex	0.20 ppb
Methoxychlor	0.20 ppb
Toxaphene	1.0 ppb
PCB 1016	1.0 ppb
PCB 1221	1.0 ppb
PCB 1232	1.0 ppb
PCB 1242	0.50 ppb
PCB 1248	0.50 ppb
PCB 1254	0.50 ppb
PCB 1260	0.50 ppb

**DETECTION LIMITS  
HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING  
MONITOR WELLS  
(continued)**

<u>Method 8270 - HSL</u>	<u>Detection Limits</u>
Phenol	10 ppb
2-Chlorophenol	10 ppb
2-Nitrophenol	10 ppb
2,4-Dimethylphenol	10 ppb
2,4-Dichlorophenol	10 ppb
4-Chloro-3-methylphenol	20 ppb
2,4,6-Trichlorophenol	10 ppb
2,4-Nitrophenol	50 ppb
4-Nitrophenol	50 ppb
2-Methyl-4,6-dinitrophenol	50 ppb
Pentachlorophenol	50 ppb
2-Methyl Phenol	10 ppb
4-Methyl Phenol	10 ppb
Benzoic Acid	100 ppb
2,4,5-Trichlorophenol	20 ppb
N-Nitrosodimethylamine	10 ppb
Bis(2-chloroethyl)ether	10 ppb
1,3 Dichlorobenzene	10 ppb
1,4 Dichlorobenzene	10 ppb
1,2 Dichlorobenzene	10 ppb
bis(-2-chloroisopropyl)ether	10 ppb
N-Nitroso-Di-n-Propylamine	10 ppb
Hexachloroethane	10 ppb
Nitrobenzene	10 ppb
Isophorone	10 ppb
bis(-2-chloroethoxy)methane	10 ppb
1,2,4-Trichlorobenzene	10 ppb
Naphthalene	10 ppb
Hexachlorobutadiene	10 ppb
Hexachlorocyclopentadiene	10 ppb
2-Chloronaphthalene	10 ppb
Dimethyl phthalate	10 ppb
Acenaphylene	10 ppb
Acenaphthene	10 ppb
2,4-Dinitrotoluene	10 ppb
2,6-Dinitrotoluene	10 ppb
Diethyl phthalate	10 ppb
4-Chlorophenyl-phenyl-ether	10 ppb
Fluorene	10 ppb
1,2-Diphenylhydrazine	10 ppb
N-Nitrosodiphenylamine	10 ppb
4-Bromophenyl-phenylether	10 ppb
Hexachlorobenzene	10 ppb

**DETECTION LIMITS  
HAZARDOUS SUBSTANCE LIST AND PRIORITY POLLUTANT TESTING  
MONITOR WELLS  
(continued)**

<u>Method 8270 - HSL</u>	<u>Detection Limits</u>
Phenanthrene	10 ppb
Anthracene	10 ppb
Di-n-butyl phthalate	10 ppb
Benzidine	20 ppb
Fluoranthene	10 ppb
Pyrene	10 ppb
Butyl benzyl phthalate	10 ppb
3,3'-Dichlorobenzidine	10 ppb
Benzo (a) anthracene	10 ppb
Bis (2-ethylhexyl)phthalate	*
Chrysene	10 ppb
Di-n-octyl phthalate	10 ppb
Benzo (b) Fluoranthene	10 ppb
Benzo (k) fluoranthene	10 ppb
Benzene (a) pyrene	10 ppb
Indeno (1,2,3-cd)pyrene	10 ppb
Dibenzo(a,h)anthracene	10 ppb
Benzo(g,h,i)perylene	10 ppb
Aniline	20 ppb
Benzyl Alcohol	20 ppb
4-Chloroaniline	10 ppb
2-Methyl Naphthalene	10 ppb
2-Nitroaniline	20 ppb
3-Nitroaniline	20 ppb
Dibenzofuran	10 ppb
4-Nitroaniline	50 ppb

\* Detection Limit Not Available

**DETECTION LIMITS  
SURFACE WATER SAMPLES**

<u>Parameter</u>	<u>Detection Limit (Range)</u>
Soluble Aluminum	
Soluble Cadmium	0.002 - 0.003 ppm
Soluble Total Chromium	0.002 - 0.004 ppm
Soluble Copper	0.003 ppm
Soluble Iron	0.002 ppm
Soluble Manganese	0.02 - 0.2 ppm
Soluble Mercury	0.0009 - 0.002 ppm
Soluble Nickel	0.02 ppm
Soluble Selenium	0.0007 - 0.002 ppm
Soluble Silver	0.004 - 0.01 ppm
Soluble Zinc	0.003 ppm
Alkalinity	*
Ammonia	0.1 - 0.5 ppm
Chloride	*
Free Cyanide	0.01 - 0.04 ppm
Soluble Arsenic	0.001 - 0.007 ppm
Soluble Boron	1 - 2 ppm
Sulfate	*
Total Cyanide	0.01 - 0.09 ppm
Total Inorganic Carbon	*
Polychlorinated Biphenyls	0.1 ppb
Total Organic Scan (Lindane Std)	1.5 ppb
Total Halogenated Organic Scan (Lindane Std)	*
Total Organic Scan (Napthalene Std)	10 ppb
Volatile Halogenated Organic Scan (Carbon Tetrachloride Std)	*
Benzene	*
Ethylbenzene	*
Freon TF	0.1 - 1 ppb
Methylene Chloride	0.1 ppb
Perchloroethylene	0.1 - 1 ppb
Trichloroethylene	0.1 - 1 ppb
1,1,1-Trichloroethane	0.1 - 3 ppb
Toluene	20 ppb
Xylene	1 - 50 ppb
TOC	1 - 5 ppm
Phenol	0.01 - 0.02 ppm

\* Detection Limit Not Available

**DETECTION LIMITS  
SOIL SAMPLES**

<u>Parameters</u>	<u>Detection Limits (Range)</u>
<u>Inorganic Metallic Constituents</u>	
Total Aluminum	*
Total Cadmium	0.1 ug/g (dry)
Total Chromium	*
Total Copper	*
Total Iron	*
Total Manganese	*
Total Mercury	0.035 - 0.1 ug/g (dry)
Total Nickel	*
Total Selenium	0.2 - 0.4 ug/g (dry)
Total Zinc	*
<u>Inorganic Nonmetallic Constituents</u>	
Total Arsenic	*
Total Boron	20 - 90 ug/g (dry)
Total Cyanide	0.25 - 1 ug/g (dry)
Water Leachable Total Cyanide	0.1 - 1 ug/g (dry)
Water Leachable Free Cyanide	0.05 - 0.1 ug/g (dry)
Water Leachable Chloride	*
Water Leachable Sulfate	*
Water Leachable T. Inorganic Carbon	5 ug/g (dry)
<u>Polychlorinated Biphenyls</u>	
As Aroclor 1016	0.01 - 1.0 ug/g (dry)
As Aroclor 1221	0.01 - 1.0 ug/g (dry)
As Aroclor 1232	0.01 - 1.0 ug/g (dry)
As Aroclor 1242	0.01 - 1.0 ug/g (dry)
As Aroclor 1248	0.01 - 0.5 ug/g (dry)
As Aroclor 1254	0.01 - 0.5 ug/g (dry)
As Aroclor 1260	0.01 - 0.5 ug/g (dry)
As Aroclor 1262	0.01 - 0.5 ug/g (dry)
As Aroclor 1268	0.01 - 0.5 ug/g (dry)
<u>Organics (Gas Chromatography)</u>	
Total Organic Scan (FID) - Lindane Std.	*
Total Organic Scan (FID) - Napthalene Std.	0.1
Halogenated Organics	*
Scan (ECD) - Lindane Std.	0.03 - 0.04
Volatile Halogenated Organic	*
Scan - Carbon Tetrachloride Std.	*
Perchloroethylene	0.2 - 1 ug/g (dry)

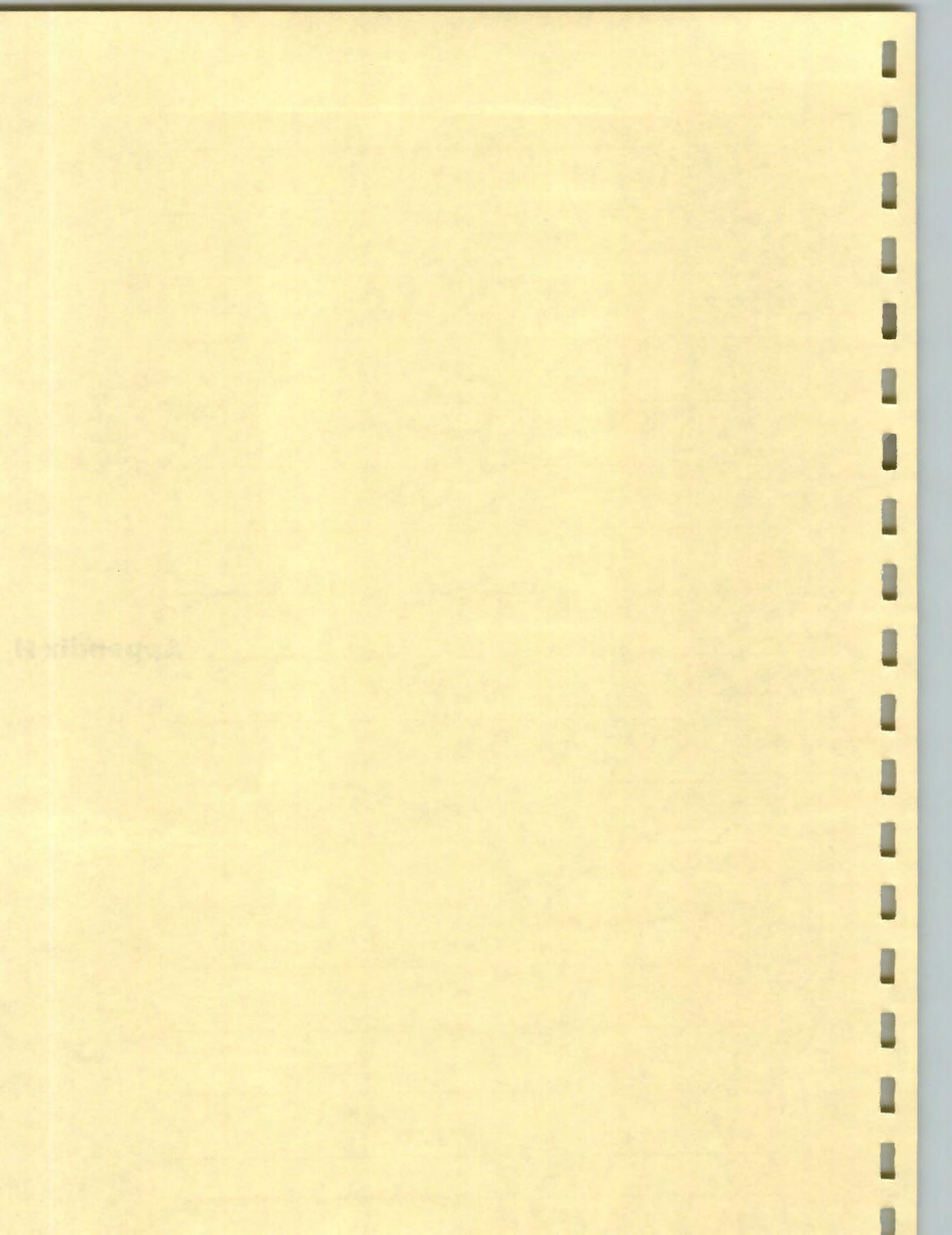
\* Detection Limit Not Available

**DETECTION LIMITS  
SOIL SAMPLES  
(continued)**

<u>Organics (Gas Chromatography)</u>	<u>Detection Limits (Range)</u>
Trichloroethylene	0.2 - 1 ug/g (dry)
1,1,1-Trichloroethane	0.4 - 1 ug/g (dry)
Toluene	1 - 5 ug/g (dry)
Xylenes	0.1 - 5 ug/g (dry)
 <u>Organics (Miscellaneous)</u>	
Phenol	*
Water Leachable TOC	*

\* Detection Limit Not Available

## **Appendix H**



Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Arsenic  
 Standard: 25 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
g-1												
g-2												
g-3												
g-4												
g-5												
g-6												
g-7												
g-7A												
g-8												
g-8A												
g-9												
g-9A												
g-10												
g-11												
g-12												
g-13												
g-13A												
g-14												
g-14A												
g-15		30										
g-15A												
g-16												
g-17												
g-17A												
g-18												
g-18A												
g-19			31.2	41	38		44.8	80	36.8			
g-19A												
g-20												
g-20A												
g-20B												
g-21												
g-21A										26.2	26.8	
g-21B												
g-21C												
g-22												
g-22A												
g-22B												
g-23												
g-23A		25										
g-24												
g-24A												
g-24B												
g-25												
g-25A												
g-26												
g-26A												
g-27				92								
g-27A												
g-28												
g-28A				44.2	37						25	
g-29		32										
g-29A												
g-30												
g-31												
g-32												
g-33												
g-34												
g-35												
g-36												
g-1												
g-2												
g-3												
g-4												
g-5												
g-6												
g-7												
g-8												
g-9												
g-10												
g-1												
g-2												
g-3												
g-4												
g-5												
g-6												
g-7		34										
g-8												
g-9												
g-10												
g-1												
g-2												
g-3		39	29	41.6	50.6	43	30	31		34.8	27.2	
g-3A(1)												
g-3A(2)												
g-3A(3)												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced  
 in 70C 85-11-70 (Cattaraugus Avenue 2, 1985)

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Cadmium  
 Standard: 10 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
*****												
B-1												
B-2												
B-3												
B-4												
B-5												
-----												
B-6												
B-7												
B-7A												
B-8												
B-8A												
-----												
B-9												
B-9A												
B-10												
B-11												
B-12												
-----												
B-13												
B-13A												
B-14												
B-14A												
B-15												
-----												
B-15A												
B-16												
B-17												
B-17A												
B-18												
-----												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
-----												
B-20B												
B-21												
B-21A											36	
B-21B												
B-21C												
-----												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
-----												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
-----												
B-26												
B-26A												
B-27												
B-27A												
B-28												
-----												
B-28A												
B-29												
B-29A												
B-30												
B-31												
-----												
B-32												
B-33												
B-34												
B-35												
B-36												
-----												
B-1												
B-2												
B-3												
B-4												
B-5												
-----												
B-6												
B-7												
B-8												
B-9												
-----												
B-10												
-----												
GP-1												
GP-2												
GP-3												
GP-4												
GP-5												
-----												
GP-6												
GP-7												
W-1												
W-2												
W-3												
-----												
W-3A(1)												
W-3A(2)												
W-3A(3)												
*****												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Iron  
 Standard: 300 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
*****												
g-1												
g-2												
g-3												
g-4												
g-5												
-----												
g-6												
g-7												
g-7A												
g-8												
g-8A												
-----												
g-9												
g-9A												
g-10												
g-11												
g-12												
-----												
g-13												
g-13A												
g-14												
g-14A												
g-15												
-----												
g-15A												
g-16												
g-17											8320	
g-17A												
g-18											16900	
-----												
g-18A												
g-19												
g-19A												
g-20												
g-20A												
-----												
g-20B												
g-21												
g-21A											771	
g-21B												
g-21C												
-----												
g-22												
g-22A												
g-22B												
g-23												
g-23A												
-----												
g-24												
g-24A												
g-24B												
g-25												
g-25A												
-----												
g-26												
g-26A												
g-27												
g-27A												
g-28												
-----												
g-28A												
g-29												
g-29A												
g-30												
g-31												
-----												
g-32												
g-33												
g-34												
g-35												
g-36												
-----												
g-1												
g-2												
g-3												
g-4												
g-5												
-----												
g-6												
g-7												
g-8												
g-9												
P-10												
-----												
g-1												
g-2												
g-3											1340	
g-4												
g-5												
-----												
g-6												
g-7												
g-1												
g-2												
g-3												
-----												
W-3A(1)												
W-3A(2)												
W-3A(3)												
*****												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Magnesium  
 Guidance Value: 35000 PPB

Well Number	9/85	12/85	3/86	5/86	9/86	12/86	3/87	5/87	9/87	12/87	3/88	5/88
*****												
B-1												
B-2												
B-3												
B-4												
B-5												
-----												
B-6												
B-7												
B-7A												
B-8												
B-8A												
-----												
B-9												
B-9A												
B-10												
B-11												
B-12												
-----												
B-13												
B-13A												
B-14												
B-14A												
B-15												
-----												
B-15A												
B-16												
B-17												
B-17A												
B-18												
-----												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
-----												
B-20B												
B-21												
B-21A												
B-21B												
B-21C												
-----												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
-----												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
-----												
B-26												
B-26A												
B-27												
B-27A												
B-28												
-----												
B-28A												
B-29												
B-29A												
B-30												
B-31												
-----												
B-32												
B-33												
B-34												
B-35												
B-36												
-----												
P-1												
P-2												
P-3												
P-4												
P-5												
-----												
P-6												
P-7												
P-8												
P-9												
P-10												
-----												
SP-1												
SP-2												
SP-3												
SP-4											60200	
SP-5												
-----												
SP-6												
SP-7												
U-1												
U-2												
U-3												
-----												
U-3A(1)												
U-3A(2)												
U-3A(3)												
*****												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Manganese  
 Standard: 300 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
*****												
g-1												
g-2												
g-3												
g-4												
g-5												
-----												
g-6												
g-7												
g-7A												
g-8												
g-8A												
-----												
g-9												
g-9A												
g-10												
g-11												
g-12												
-----												
g-13												
g-13A												
g-14												
g-14A												
g-15												
-----												
g-15A												
g-16												
g-17												
g-17A												
g-18												
-----												
g-18A												
g-19												
g-19A												
g-20												
g-20A												
-----												
g-20B												
g-21												
g-21A												
g-21B												
g-21C												
-----												
g-22												
g-22A												
g-22B												
g-23												
g-23A												
-----												
g-24												
g-24A												
g-24B												
g-25												
g-25A												
-----												
g-26												
g-26A												
g-27												
g-27A												
g-28												
-----												
g-28A												
g-29												
g-29A												
g-30												
g-31												
-----												
g-32												
g-33												
g-34												
g-35												
g-36												
-----												
g-4												
g-2												
g-3												
g-6												
g-5												
-----												
g-6												
g-7												
g-8												
g-9												
g-10												
-----												
g-1												
g-2												
g-3												
g-4												
g-5												
-----												
g-6												
g-7												
g-1												
g-2												
g-3												
-----												
g-3A(1)												
g-3A(2)												
g-3A(3)												
*****												

1480

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses which Exceed Water Quality Criteria  
Groundwater Data  
Inactive Landfill Site  
Webster, New York

Contaminant: Lead  
Standard: 25 PPB

Well Number	9/85	12/85	3/86	4/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7											32	
B-7A												
B-8												
B-8A											28	
B-9												
B-9A												
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15				53								
B-15A			67									
B-16				115								
B-17												
B-17A												
B-18												
B-18A												
B-19												
B-19A												
B-20			78									
B-20A	379	562	1250	345	300	291	270	211	343			74
B-20B	379	314	192	260	181	39	119	324	167	180		
B-21								95	131	72	59	51
B-21A			57	130					157	156	89	
B-21B	279	430	271	264	90	103			258	109	169	
B-21C	439	447	336	379	179	298						
B-22												
B-22A				66						79	35	
B-22B				217	90	53			136	74	65	
B-23			69								105	
B-23A			168	160	242	81	203	163	151	178	173	
B-24			50		50							
B-24A	3400	85		2980	2550			644	977	423	303	
B-24B		168		71				71	69	29	59	
B-25												
B-25A			87	80	164	53	39		55	108		
B-26			104									
B-26A			52					36				
B-27											42	
B-27A											26	
B-28			50								44	
B-28A			101	89			59		65	33	44	
B-29			78		81							
B-29A			122			65	51	74	118	36	42	
B-30												
B-31				89								
B-32			100	57								
B-33			50									
B-34			67									
B-35			87									
B-36												
B-37												
B-38												
B-39												
B-40												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7												
W-1												
W-2												
W-3												
W-3A(1)												
W-3A(2)												
W-3A(3)												

Notes: All Concentrations in PPB  
Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Selenium  
 Standard: 20 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A												
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A												
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24								59.6				
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29					68							
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-8												
B-9												
B-10												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7												
W-1												
W-2												
W-3												
W-3A(1)												
W-3A(2)												
W-3A(3)												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria

Groundwater Data  
Inactive Landfill Site  
Webster, New York

Contaminant: Thallium  
Guidance Value: 4 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
*****												
W-1												
W-2												
W-3												
W-4												
W-5												
-----												
W-6												
W-7												
W-7A												
W-8												
W-8A												
-----												
W-9												
W-9A												
W-10												
W-11												
W-12												
-----												
W-13												
W-13A												
W-14												
W-14A												
W-15												
-----												
W-15A												
W-16												
W-17												
W-17A												
W-18												
-----												
W-18A												
W-19												
W-19A												
W-20												
W-20A												
-----												
W-20B												
W-21												
W-21A												
W-21B												
W-21C												
-----												
W-22												
W-22A												
W-22B												
W-23												
W-23A												
-----												
W-24												
W-24A												
W-24B												
W-25												
W-25A												
-----												
W-26												
W-26A												
W-27												
W-27A												
W-28												
-----												
W-28A												
W-29												
W-29A												
W-30												
W-31												
-----												
W-32												
W-33												
W-34												
W-35												
W-36												
-----												
P-1												
P-2												
P-3												
P-4												
P-5												
-----												
P-6												
P-7												
P-8												
P-9												
P-10												
-----												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
-----												
SP-6												
SP-7												
U-1												
U-2												
U-3												
-----												
U-3A(1)												
U-3A(2)												
U-3A(3)												
*****												

Notes: All Concentrations in PPB  
Data: Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria

Groundwater Data  
Inactive Landfill Site  
Webster, New York

Contaminant: Zinc  
Standard: 5000 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
g-1												
g-2												
g-3												
g-4												
g-5												
g-6												
g-7												
g-7A												
g-8												
g-8A												
g-9												
g-9A												
g-10												
g-11												
g-12												
g-13												
g-13A												
g-14												
g-14A												
g-15												
g-15A												
g-16											8320	
g-17												
g-17A											16900	
g-18												
g-18A												
g-19												
g-19A												
g-20												
g-20A												
g-20B												
g-21												
g-21A											5010	
g-21B												
g-21C												
g-22												
g-22A												
g-22B												
g-23												
g-23A												
g-24												
g-24A												
g-24B												
g-25												
g-25A												
g-26												
g-26A												
g-27												
g-27A												
g-28												
g-28A												
g-29												
g-29A												
g-30												
g-31												
g-32												
g-33												
g-34												
g-35												
g-36												
g-1												
g-2												
g-3												
g-4												
g-5												
g-6												
g-7												
g-8												
g-9												
g-10												
g-1												
g-2												
g-3												
g-4												
g-5												
g-6												
g-7												
g-1												
g-2												
g-3												
U-3A(1)												
U-3A(2)												
U-3A(3)												

Notes: All Concentrations in PPB  
Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Benzene  
 Guidance Value: Non-Detectable

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
1-1												
1-2												
1-3												
1-4												
1-5												
1-6												
1-7												
1-7A												
1-8												
1-8A												
1-9												
1-9A												
1-10												
1-11												
1-12												
1-13											7.8	
1-13A												
1-14												
1-14A												
1-15												
1-15A												
1-16												
1-17												
1-17A												
1-18												
1-18A												
1-19												
1-19A												
1-20												
1-20A												
1-20B												
1-21												
1-21A					3.6				7.9			
1-21B												
1-21C												
1-22												
1-22A												
1-22B												
1-23												
1-23A												
1-24												
1-24A												
1-24B												
1-25												
1-25A												
1-26												
1-26A												
1-27												
1-27A												
1-28												
1-28A												
1-29												
1-29A												
1-30												
1-31												
1-32												
1-33												
1-34												
1-35												
1-36												
1-1												
1-2												
1-3												
1-4												
1-5												
1-6												
1-7												
1-8												
1-9												
1-10												
1-1												
1-2												
1-3												
1-4												
1-5												
1-6												
1-7												
1-1												
1-2												
1-3	5.3	4.2		5.7	7.7							4.8
1-3A(1)												
1-3A(2)												6.8
1-3A(3)												24.2

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Chlorobenzene  
 Guidance Value: 20 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A												
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19									214			
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A												
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
P-10												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7												
W-1												
W-2												
W-3												
W-3A(1)												
W-3A(2)												
W-3A(3)												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Chloroform  
 Standard: 100 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A												
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A												
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
P-10												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7												
W-1												
W-2												
W-3												
W-3A(1)												
W-3A(2)												
W-3A(3)												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: 1,1-Dichloroethane  
 Guidance Value: 50 PPB

Well Number	9/85	12/85	3/86	5/86	9/86	12/86	3/87	5/87	9/87	12/87	3/88	5/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A												
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A					128				162			99.5
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-8												
B-9												
B-10												
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-1												
B-2												
B-3												
B-1												
B-2												
B-3	128	75	115	82	190	280	105	54				
U-3A(1)												
U-3A(2)											75.6	
U-3A(3)												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced  
 Page TOC 85-U-38 (Effective August 2, 1985)

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
Groundwater Data  
Inactive Landfill Site  
Webster, New York

Contaminant: 1,1-Dichloroethene  
Guidance Value: 0.07 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
*****												
B-1												
B-2												
B-3												
B-4												
B-5												
-----												
B-6												
B-7												
B-7A												
B-8												
B-8A												
-----												
B-9												
B-9A		15	3		1.4			1.1			1.52	
B-10												
B-11												
B-12												
-----												
B-13												
B-13A												
B-14												
B-14A												
B-15												
-----												
B-15A												
B-16												
B-17												
B-17A							3.9					
B-18												
-----												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
-----												
B-20B												
B-21												
B-21A				50	50			17	65	5.9		24
B-21B					7.8							
B-21C												
-----												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
-----												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
-----												
B-26												
B-26A												
B-27												
B-27A												
B-28												
-----												
B-28A					1.4							
B-29												
B-29A												
B-30												
B-31												
-----												
B-32												
B-33												
B-34												
B-35												
B-36												
-----												
P-1												
P-2												
P-3												
P-4												
P-5												
-----												
P-6												
P-7												
P-8												
P-9												
P-10												
-----												
SP-1	37											
SP-2												
SP-3												
SP-4												
SP-5												
-----												
SP-6												
SP-7	6.5											
W-1		2.3										
W-2		4.1										
W-3	44	29	39	31	70	53	30	21		11		
-----												
W-3A(1)												
W-3A(2)											31.6	
W-3A(3)											28	
*****												

Notes: All Concentrations in PPB  
Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria

Groundwater Data  
Inactive Landfill Site  
Webster, New York

Contaminant: 1,2-Dichloroethane  
Guidance Value: 0.8 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A		7.7	3.5	1.6	5.4	2.6		1.8		1.2	1.51	
B-10												
B-11												
B-12												
B-13											36	
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17					7.5	11	9.2	13	12	22		17.9
B-17A												
B-18												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A				27	690			64	170	71		133
B-21B				9.6								
B-21C		2.8			2.5			2.1		4	10.2	
B-21D		3.2	2.6									
B-22						5.9						
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27									1.1			
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34							1				3.5	
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
P-10												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7	1.4											
U-1		7.3										
U-2		12	3									
U-3	590	800	652	472	1500	1150	661	274				
W-3A(1)												
W-3A(2)											1800	
W-3A(3)											1800	

Notes: All Concentrations in PPB  
Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: 1,2-Dichloroethene  
 Guidance Value: 50 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1	60											
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A		84										
B-10												
B-11	86											
B-12												
B-13										89.4		
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A				189	460			150	1070	258		535
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7												
W-1												
W-2								51				
W-3	450	250	532	556	910	1230	604	317		500		
W-3A(1)												
W-3A(2)												83.8
W-3A(3)												83.5

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria

Groundwater Data  
Inactive Landfill Site  
Webster, New York

Contaminant: Methylene Chloride  
Guidance Value: 50 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A												
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18					273		153		80.3		57	
B-18A												
B-19												
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A					92				58.8			
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
P-10												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7												
U-1												
U-2												
U-3												
U-3A(1)												
U-3A(2)												
U-3A(3)												

Notes: All Concentrations in PPB  
Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
Groundwater Data  
Inactive Landfill Site  
Webster, New York

Contaminant: Tetrachloroethene  
Guidance Value: 0.7 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A												
B-10												
B-11	21											
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19		72	36	107	378	36	28	25		58	45	
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A				6.3					8.3	7.3		13
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A		19									1.14	
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
P-10												
SP-1	1300											
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7	0.3											
W-1		1.2										
W-2		1.3										
W-3	59	33	30	19	78	24	15	5		5.8		
W-3A(1)											10.3	
W-3A(2)											952	
W-3A(3)												

Notes: All Concentrations in PPB  
Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Trichloroethene  
 Standard: 10 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A												
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19					55				18.7			
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A				10	350				10.4	40		31
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
P-10												
SP-1	26											
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7	22											
W-1												
W-2												
W-3	150	84	61	45	210	91	68	26		25		
W-3A(1)												
W-3A(2)											27.2	
W-3A(3)											75.1	

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced  
 from RCRA (Federal Register, August 2, 1985)

Summary of Chemical Analyses Which Exceed Water Quality Criteria

Groundwater Data  
Inactive Landfill Site  
Webster, New York

Contaminant: 1,1,1-Trichloroethane  
Guidance Value: 50 PPB

Well Number	9/85	12/85	3/86	5/86	9/86	12/86	3/87	5/87	9/87	12/87	3/88	6/88
J-1												
J-2												
J-3												
J-4												
J-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A		130	112		69							
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
B-20B												
J-21												
B-21A					350							
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
P-10												
SP-1	400											
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7	150											
W-1												
W-2												
W-3	330	710	352	165	730	520	174	107		70		
W-3A(1)												
W-3A(2)												
W-3A(3)												

Notes: All Concentrations in PPB  
Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: 1,1,2-Trichloroethane  
 Guidance Value: 0.6 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A												
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A												
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B												
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
P-10												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7												
W-1												
W-2												
W-3												
W-3A(1)												
W-3A(2)												
W-3A(3)												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced  
 From TOG 85-W-38 (Effective August 2, 1985).

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Toluene  
 Guidance Value: 50 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
B-1												
B-2												
B-3												
B-4												
B-5												
B-6												
B-7												
B-7A												
B-8												
B-8A												
B-9												
B-9A												
B-10												
B-11												
B-12												
B-13												
B-13A												
B-14												
B-14A												
B-15												
B-15A												
B-16												
B-17												
B-17A												
B-18												
B-18A												
B-19												
B-19A												
B-20												
B-20A												
B-20B												
B-21												
B-21A					55							
B-21B												
B-21C												
B-22												
B-22A												
B-22B												
B-23												
B-23A												
B-24												
B-24A												
B-24B									53.4			
B-25												
B-25A												
B-26												
B-26A												
B-27												
B-27A												
B-28												
B-28A												
B-29												
B-29A												
B-30												
B-31												
B-32												
B-33												
B-34												
B-35												
B-36												
P-1												
P-2												
P-3												
P-4												
P-5												
P-6												
P-7												
P-8												
P-9												
P-10												
SP-1												
SP-2												
SP-3												
SP-4												
SP-5												
SP-6												
SP-7												
W-1												
W-2												
W-3		54				63	58					
W-3A(1)												
W-3A(2)												
W-3A(3)												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

Summary of Chemical Analyses Which Exceed Water Quality Criteria  
 Groundwater Data  
 Inactive Landfill Site  
 Webster, New York

Contaminant: Vinyl Chloride  
 Standard: 5 PPB

Well Number	9/85	12/85	3/86	6/86	9/86	12/86	3/87	6/87	9/87	12/87	3/88	6/88
*****												
G-1												
G-2												
G-3												
G-4												
G-5												
-----												
G-6												
G-7												
G-7A												
G-8												
G-8A												
-----												
G-9						52						
G-9A												
G-10												
G-11												
G-12												
-----												
G-13												
G-13A												
G-14												
G-14A												
G-15												
-----												
G-15A												
G-16												
G-17												
G-17A												
G-18												
-----												
G-18A												
G-19												
G-19A												
G-20												
G-20A												
-----												
G-20B												
G-21												
G-21A												
G-21B												
G-21C												
-----												
G-22												
G-22A												
G-22B												
G-23												
G-23A												
-----												
G-24												
G-24A												
G-24B												
G-25												
G-25A												
-----												
G-26												
G-26A												
G-27												
G-27A												
G-28												
-----												
G-28A					5.3	52						
G-29												
G-29A												
G-30												
G-31												
-----												
G-32												
G-33												
G-34												
G-35												
G-36												
-----												
G-1												
G-2												
G-3												
G-4												
G-5												
-----												
G-6												
G-7												
G-8												
G-9												
G-10												
-----												
G-1												
G-2												
G-3												
G-4												
G-5												
-----												
G-6												
G-7												
G-1												
G-2												
G-3												
-----												
W-3A(1)												
W-3A(2)												
W-3A(3)												
*****												

Notes: All Concentrations in PPB  
 Water Quality Standards and Guidance Values as Referenced

**Attachment B**

PHILLIPS RD.



1008.44'  
S 86° 06' 28" E

776.58'  
S 89° 59' 03" E

CARACAS

DRIVE

N 0° 12' 49" W 362.35'  
337.89'

N 89° 59' 03" W

358.54'

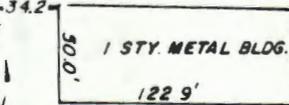
S 89° 51' 01" E  
CLF

359.63'

XEROX CORPORATION

AREA = 3.16 ± ACRES

OTHER LANDS OF  
XEROX CORP.



34.2'  
S 89° 38' 28" W  
112.02'

145.70'

S 0° 01' 44" E

12.8'  
S 0° 01' 44" E 179.76'

N 89° 57' 32" E  
112.02'

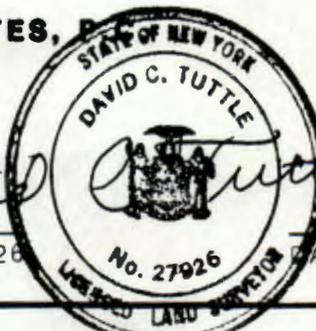
S 0° 01' 44" E  
10.28'

**DONALD J. BERGMANN & ASSOCIATES, P.C.**

ONE SOUTH WASHINGTON STREET

ROCHESTER, NEW YORK 14614

(716) 232-5135



*David C. Tuttle*

7/19/88

DAVID C. TUTTLE, N.Y.S.P.E. & L.S. No. 027926

NO. 27926  
LICENSED LAND SURVEYOR STATE

THE UNIVERSITY OF CHICAGO  
LIBRARY



1950

1950

UNIVERSITY OF CHICAGO

DECLARATION OF COVENANTS AND RESTRICTIONS

WHEREAS, Xerox Corporation (hereinafter Xerox) is a New York corporation with a mailing address of Joseph C. Wilson Center for Technology, Rochester, New York 14644; and

WHEREAS, Xerox is the owner and operator of a facility located on Caracas Drive in the Town of Webster, Monroe County, New York; and

WHEREAS, Xerox has agreed, pursuant to paragraph XXIII of a Consent Agreement with the New York State Department of Environmental Conservation dated \_\_\_\_\_, 1988, identified as index No. B8-0052-84-10, Site ED. No. 828013, to file a Declaration of Covenants and Restrictions.

NOW, THEREFORE:

1. NOTICE IS HEREBY GIVEN to all potential purchasers of the portion of the property described herein which has been used for industrial operations that said property is conveyed subject to the above sited Consent Agreement.

2. Any successor in title to any such portion of the site shall be jointly and severally liable with Xerox for implementing the provisions of the above sited Consent Agreement.

3. The property is more specifically described as all that tract or parcel of land situated in Great Lot 6; Township 14; Range 4; in the Town of Webster, County of Monroe, State of New York, bounded and described as follows:

Commencing at the intersection of the centerline of Phillips Road and the centerline of Caracas Drive; thence, S 86°-06'-28" E, and along the centerline of Caracas Drive for a distance of 1008.44 feet; thence, S89°-59'-03" E, and continuing along the centerline of Caracas Drive for a distance of 776.58 feet; thence, N 00°-12'-49" W, for a distance of 24.46 feet, to the point of beginning of the parcel to be described; thence,

1. N 00°-12'-49" W, and along a chainlink fence for a distance of 337.89 feet to a point; thence,
2. S 89°-51'-01" E, and along a chainlink fence for a distance of 359.63 feet to a point; thence,
3. S 00°-01'-44" E, and along a chainlink fence for a distance of 179.76 feet to a point; thence,
4. N 89°-57'-32" E, and along a chainlink fence for a distance of 112.02 feet to a point; thence,

**Bergmann  
Associates**

5. S 00°01'-44" E, and along a chainlink fence for a distance of 145.70 feet to a point; thence,
6. S 89°-38'-28" W, and along a chainlink fence for a distance of 112.02 feet to a point; thence,
7. S 00°-01'-44" E, and along a chainlink fence for a distance of 10.28 feet to a point; thence,
8. N 89°-54'-03" W, along the northern bound of Caracas Drive, a distance of 358.54 feet to the point of beginning.

Containing 3.16<sup>±</sup> Acres as shown on a map by Donald J. Bergmann and Associates, dated July 19, 1988.

IN WITNESS WHEREOF, the undersigned has executed this declaration the day written below.

Dated:

---

STATE OF NEW YORK )  
 COUNTY OF MONROE ) ss

On this            day of           , 1988 before me personally came to me personally known, who, being by me duly sworn, did depose and say that he resides in            that he is the            of the Xerox Corporation, the corporation described in, and which executed the within instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was affixed by order of the Board of Directors of said corporation; and that he signed            name thereto by like order.

---

**Bergmann  
 Associates**