

MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT-SECOND QUARTER 1994

by

J A Chase

Westinghouse Savannah River Company
Savannah River Site
Aiken, South Carolina 29808

DOE Contract No. DE-AC09-89SR18035

This paper was prepared in connection with work done under the above contract number with the U. S. Department of Energy. By acceptance of this paper, the publisher and/or recipient acknowledges the U. S. Government's right to retain a nonexclusive, royalty-free license in and to any copyright covering this paper, along with the right to reproduce and to authorize others to reproduce all or part of the copyrighted paper.

MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

SECOND QUARTER 1994

Publication Date: September 1994

Authorized Derivative Classifier:

Joseph P. Kangalet, Engineer 9-26-94

UNCLASSIFIED

Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

SECOND QUARTER 1994

Publication Date: September 1994

Authorized Derivative Classifier:

UNCLASSIFIED
Does Not Contain Unclassified
Controlled Nuclear Information

**Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808**

Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-89SR18035

DISCLAIMER

This report was prepared by Westinghouse Savannah River Company (WSRC) for the United States Department of Energy under Contract No. DE-AC09-89SR18035 and is an account of work performed under that contract. Neither the United States Department of Energy, nor WSRC, nor any of their employees makes any warranty, expressed or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed herein or represents that its use will not infringe on privately owned rights. Reference herein to any specific commercial product, process, or service by trademark, name, manufacturer, or otherwise does not necessarily constitute or imply endorsement, recommendation, or favoring of same by WSRC or by the United States Government or any agency thereof. The views and opinions of the authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

SECOND QUARTER 1994

Publication Date: September 1994

Key Words

aluminum
BGO wells
FSS wells
trichloroethylene
tritium

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-89SR18035

THIS PAGE LEFT BLANK INTENTIONALLY.

Abstract

During second quarter 1994, seven constituents exceeded final Primary Drinking Water Standards (PDWS) in groundwater samples from downgradient monitoring wells at the Mixed Waste Management Facility, the Old Burial Ground, the E-Area Vaults, the proposed Hazardous Waste/Mixed Waste Disposal Vaults, and the F-Area Sewage Sludge Application Site. Only one constituent, tritium, exceeded PDWS in samples from the upgradient monitoring wells.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. Chloroethene (vinyl chloride), 1,1-dichloroethylene, gross alpha, lead, or tetrachloroethylene also exceeded standards in one or more wells. Elevated constituents were found in numerous Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) wells. No elevated constituents were found in Aquifer Unit IIA (Congaree) wells.

The groundwater flow directions and rates in the three hydrostratigraphic units were similar to those of previous quarters.

THIS PAGE LEFT BLANK INTENTIONALLY.

Contents

	Page
Abstract	iii
List of Figures	vi
List of Tables	vii
Executive Summary	1
Introduction	3
Description of Facilities	3
Hydrostratigraphic Units	4
Discussion	5
Groundwater Monitoring Data	5
Integrity of the Monitoring Well Network	5
Analytical Results Exceeding Standards	7
Trichloroethylene and Tritium Time-Trend Data	8
Water Levels	10
Groundwater Flow Rates and Directions	10
Upgradient Versus Downgradient Results	12
Quality Control Results	13
Conclusions	14
References Cited	15
Errata	17
Appendix A—Final Primary Drinking Water Standards	A-1
Appendix B—Flagging Criteria	B-1
Appendix C—Figures	C-1
Appendix D—Groundwater Monitoring Results Tables	D-1
Appendix E—Data Quality/Useability Assessment	E-1
Appendix F—Time Series Plots	F-1
Appendix G—Hydrographs	G-1

List of Figures

	Page
1. Location of the Mixed Waste Management Facility at the Savannah River Site	C-3
2. Location of the Groundwater Monitoring Wells at the Mixed Waste Management Facility, the Old Burial Ground, the E-Area Vaults, and the Hazardous Waste/Mixed Waste Disposal Vaults (the Burial Ground Complex), and the F-Area Sewage Sludge Application Site	C-4
3. Hydrostratigraphic Nomenclature	C-5
4. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclature	C-6
5. Location of Aquifer Zone IIB ₂ (Water Table) Wells at the Burial Ground Complex	C-7
6. Location of Aquifer Zone IIB ₁ (Barnwell/McBean) Wells at the Burial Ground Complex	C-8
7. Location of Aquifer Unit IIA (Congaree) Wells at the Burial Ground Complex	C-9
8. Lead Concentrations in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, Second Quarter 1994	C-10
9. Lead Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994	C-11
10. Lead Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994	C-12
11. pH Values in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, Second Quarter 1994	C-13
12. pH Values in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994	C-14
13. pH Values in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994	C-15
14. Specific Conductance in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, Second Quarter 1994	C-16
15. Specific Conductance in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994	C-17
16. Specific Conductance in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994	C-18

17.	Trichloroethylene Concentrations in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, Second Quarter 1994	C-19
18.	Trichloroethylene Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994	C-20
19.	Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994	C-21
20.	Tritium Activities in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, Second Quarter 1994	C-22
21.	Tritium Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994	C-23
22.	Tritium Activities in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994	C-24
23.	Piezometric Surface Map of Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex	C-25
24.	Potentiometric Surface Map of Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex	C-26
25.	Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the Burial Ground Complex	C-27

List of Tables

	Page
1. Maximum Levels of Constituents Exceeding the Final Primary Drinking Water Standards	D-6
2. Maximum Levels of Constituents Exceeding Other Flag 2 Criteria	D-11
3. Groundwater Monitoring Results for Individual Wells	D-15

THIS PAGE LEFT BLANK INTENTIONALLY.

Executive Summary

Currently, 125 wells monitor groundwater quality in the uppermost aquifer beneath the Mixed Waste Management Facility (MWMF) at the Savannah River Site as required by the South Carolina Hazardous Waste Management Regulations and settlement agreements 87-52-SW and 91-51-SW. Samples from the wells are analyzed for selected heavy metals, indicator parameters, radionuclides, volatile organic compounds, and other constituents.

During second quarter 1994, chloroethene (vinyl chloride), 1,1-dichloroethylene, gross alpha, lead, tetrachloroethylene, trichloroethylene, or tritium exceeded final Primary Drinking Water Standards (PDWS) in approximately half of the downgradient wells at the MWMF. Consistent with historical trends, elevated constituent levels were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean). No elevated constituents occurred in the Aquifer Unit IIA (Congaree) wells.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents during second quarter 1994. Sixty-two (50%) of the 125 monitoring wells contained elevated tritium activities. Trichloroethylene concentrations exceeded the final PDWS in 23 (18%) wells. Chloroethene, 1,1-dichloroethylene, lead, and tetrachloroethylene, elevated in one or more wells during second quarter 1994, also occurred in elevated levels during first quarter 1994. These constituents generally were elevated in the same wells during both quarters. Gross alpha, which was not elevated in any well during first quarter 1994, was elevated in one well during second quarter. Copper, mercury, and nonvolatile beta were elevated during first quarter 1994 but not during second quarter.

Groundwater flow directions and rates in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) were generally similar to those of previous quarters.

THIS PAGE LEFT BLANK INTENTIONALLY.

Introduction

Description of Facilities

The Mixed Waste Management Facility (MWMF) is part of the Burial Ground Complex, which also includes the Old Burial Ground, the Low-Level Radioactive Waste Disposal Facility (LLRWDF), the E-Area Vaults, and the proposed Hazardous Waste/Mixed Waste Disposal Vaults (HWMWDV). The Burial Ground Complex is located in the central part of the Savannah River Site (SRS) (Figures 1 and 2, Appendix C) within the General Separations Area. The following description outlines important events in the history of the MWMF:

- In 1972, the MWMF began receiving various radioactive and nonradioactive wastes (Heffner and Exploration Resources, 1991).
- A closure plan for the MWMF was filed November 23, 1985, with the South Carolina Department of Health and Environmental Control (SCDHEC) (Jaegge et al., 1987). The closure plan included placing a low permeability cap and final vegetative cover over the facility.
- The MWMF became inactive in 1986 (WSRC, 1993b).
- A consent decree between the U.S. Department of Energy and the Natural Resources Defense Council et al. (Civil Action 1:85-2583-6, U.S. District Court, District of South Carolina, Aiken Division), signed May 26, 1988, and effective June 1, 1988, identified the MWMF as subject to the requirements of Subtitle C of the Resource Conservation and Recovery Act (RCRA).
- SCDHEC approved an interim status closure plan for the MWMF in December 1990 and accepted the closure certification in April 1991 in accordance with South Carolina Hazardous Waste Management Regulations (SCHWMR), Subpart G (SCDHEC, 1993).
- A RCRA Part B post-closure care permit application renewal was submitted to SCDHEC in November 1992 (WSRC, 1992). This permit application includes the 58-acre MWMF and the 13-acre Solvent Rag Portions of the LLRWDF as agreed upon by SRS and SCDHEC in settlement agreements 87-52-SW (May 10, 1991) and 91-51-SW (August 26, 1991).
- A closure plan for the Solvent Rag Portions was submitted to SCDHEC in August 1993 (WSRC, 1993b).
- A revised RCRA Part B post-closure care permit application renewal, containing a groundwater corrective-action plan, was submitted to SCDHEC on November 30, 1993 (WSRC, 1993c).
- Revision 1 of the field investigation plan (FIP) for the Burial Ground Complex (WSRC, 1993a) was submitted to SCDHEC in September 1993. Phases 1A, 1B, and 4D were approved January 31, 1994; Phase 1C was approved March 8, 1994; and Phase 2A was approved on August 11, 1994. The FIP addresses data uncertainties that were identified during the preparation of the MWMF RCRA Part B post-closure care permit application renewal.

- Phase 1 of the FIP field work has been divided in the following subphases: 1A—installation of 12 groundwater monitoring wells; 1B—exploratory work in the southwest corner of the Burial Ground Complex using direct-push technology and exploratory borings; 1C—exploratory work in the northeast corner of the Burial Ground Complex using direct-push technology and exploratory borings; 1D—soil gas survey. Subphases 1B and 1C will determine the horizontal and vertical extent of groundwater contamination away from the Burial Ground Complex. Phase 1A well drilling began May 3, 1994.
- Beginning first quarter 1994, wells FSS 1D, 2D, 3D, and 4D, located at the F-Area Sewage Sludge Application Site, were added to the MWMF monitoring well network. As a conditional requirement for the closure of the F-Area Sewage Sludge Application Site, the FSS monitoring wells are to be monitored for radionuclides related to the Burial Ground Complex.

Currently, the Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) conducts quarterly sampling of the 125 wells monitoring the groundwater beneath the MWMF as part of the SRS Groundwater Monitoring Program. The Environmental Restoration Department provides a quarterly report to SCDHEC describing the monitoring results to meet the requirements of SCHWMR (SCDHEC, 1993).

Hydrostratigraphic Units

Historically, groundwater quality assessment reports for the MWMF have used the lithostratigraphic nomenclature *Water Table*, *Barnwell*, *McBean*, and *Congaree* to identify hydrologic units. However, an interim alphanumeric system developed by Aadland and Bledsoe (1990) (Figure 3, Appendix C) defines the aquifer and aquitard units at SRS using hydrostratigraphic designations. Figure 4 (Appendix C) shows a correlation of these designations. This report uses both nomenclatures. The November 1992 MWMF RCRA Part B post-closure care permit application renewal includes an in-depth explanation of this nomenclature and a detailed description of the geologic and hydrogeologic systems at the Burial Ground Complex (WSRC, 1992).

The MWMF well network monitors three distinct hydrostratigraphic units in the uppermost aquifer beneath the facility: Aquifer Zone IIB₂ (Water Table), which is underlain by Confining Zone IIB₁–IIB₂ (Tan Clay); the semi-confined Aquifer Zone IIB₁ (Barnwell/McBean); and the semi-confined Aquifer Unit IIA (Congaree), which is separated from the overlying Aquifer Zone IIB₁ by Confining Unit IIA–IIB (Green Clay). The boundary between the uppermost aquifer and the principal confining unit is the uppermost confining bed of Confining System I–II (Ellenton Formation), which lies approximately 300 ft below the surface of the Burial Ground Complex.

Discussion

Groundwater Monitoring Data

The EPD/EMS sampling procedure (EPD/EMS, 1992) requires evacuation of a minimum of two well volumes and stabilization of pH, specific conductance, and turbidity prior to sample collection. Stability is established when a minimum of three successive measurements, taken within a given time period, are within a specified tolerance range. If a well pumps dry before two well volumes are purged or before stabilization is achieved, it must be revisited within 24 hours for the data to be considered from a single sampling event. On the second visit within 24 hours, samples are taken without purging or stability measurements; thus, these samples may not be representative of groundwater quality.

All of the wells in the BGO, BGX, FSS, and HMD series and in cluster HSB 85 have single-speed centrifugal downhole pumps.

During second quarter 1994, groundwater samples from the MWMF were analyzed for selected indicator parameters, heavy metals, radionuclides, and other constituents. This report describes the results that equaled or exceeded the Safe Drinking Water Act final Primary Drinking Water Standards (PDWS) or drinking water screening levels, as established by the U.S. Environmental Protection Agency (EPA) (Appendix A); the South Carolina final PDWS for lead (Appendix A); or SRS flagging criteria based on PDWS, Secondary Drinking Water Standards, or method detection limits (Appendix B). For simplicity, results that equaled or exceeded standards are described as *exceeding or above standards* or as *elevated*.

Both field and laboratory pH results are provided in this report. The field measurements are considered more reflective of actual groundwater conditions; however, laboratory pH measurements are required by current regulations. Because SCDHEC allows only 15 minutes to elapse between sampling and analysis of pH, laboratory pH measurements always exceed the holding time (the time between sample collection and analysis) prescribed in the analytical method.

The final PDWS for individual analytes provided in Appendix A may not always match the SRS flagging criteria provided in Appendix B. The final PDWS are used as guidelines in this compliance report to meet regulatory requirements; the flagging criteria are used by EPD/EMS to identify relative levels of constituents in the groundwater and as guides for scheduling groundwater sampling.

Integrity of the Monitoring Well Network

The current groundwater monitoring well network at the MWMF (Figure 2, Appendix C) is composed of the following:

- 55 Aquifer Zone IIB₂ (Water Table) wells (Figure 5, Appendix C):

BGO 1D, 2D, 3D, 4D, 5D, 6D, 7D, 8D, 9D, 10DR, 11D, 12D, 14DR, 15D, 16D, 17DR, 18D, 19D, 20D, 21D, 22DR, 23D, 24D, 26D, 27D, 28D, 29D, 30D, 31D, 32D, 33D, 34D, 35D, 36D,

37D, 38D, 39D, 40D, 44D, 45D, 46D, 47D, 48D, 49D, 50D; **BGX 1D, 9D, 10D, 11D, 12D;**
FSS 1D, 2D, 3D, 4D; HSB 85C

- 46 Aquifer Zone IIB₁ (Barnwell/McBean) wells (Figure 6, Appendix C):

BGO 5C, 6B, 6C, 8C, 10B, 10C, 12CR, 13DR, 14CR, 16B, 27C, 29C, 30C, 31C, 33C, 35C,
37C, 42C, 43CR, 43D, 44B, 44C, 45B, 45C, 46B, 46C, 47C, 48C, 49C, 50C; BGX 1C, 2B,
2D, 3D, 4C, 4D, 5D, 6D, 7D, 8DR, 12C; HMD 1D, 2D, 3D, 4D; HSB 85B

- 24 Aquifer Unit IIA (Congaree) wells (Figure 7, Appendix C):

BGO 6A, 8AR, 9AA, 10AA, 10AR, 12AR, 14AR, 16AR, 18A, 25A, 26A, 29A, 41A, 43A, 43AA,
44A, 44AA, 45A, 47A, 49A, 50A; BGX 1A, 4A; HSB 85A

SRS has a program in place to rehabilitate and replace wells that do not produce representative samples from the units being monitored. A complete record of well installations, replacements, and abandonments at the MWMF is found in the EPD/EMS well inventory (EPD/EMS, 1994).

The designated background wells for Aquifer Zone IIB₂ (Water Table) are BGO 1D and 2D, and HSB 85C; HSB 85B is the background well for Aquifer Zone IIB₁ (Barnwell/McBean); and HSB 85A is the background well for Aquifer Unit IIA (Congaree).

Table 3 (Appendix D) lists the number of well volumes purged from each of the BGO, BGX, FSS, and HMD series wells and the HSB 85 well cluster during second quarter 1994 and provides statements that describe unusual sampling events. Unusual sampling events occurred as follows.

- Wells that went dry during purging:

BGO 1D, 3D, 5C, 5D, 6B, 6D, 9AA, 10B, 10C, 10DR, 12CR, 12D, 13DR, 14CR, 16B, 16D,
17DR, 20D, 21D, 22DR, 24D, 25A, 26D, 27D, 28D, 29A, 29C, 29D, 30C, 30D, 31C, 31D,
32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 40D, 42C, 43CR, 44B, 44C, 45B, 45C, 46C, 49D,
50A, 50C; BGX 1C, 1D, 2B, 2D, 10D, 11D, 12D; FSS 1D, 2D, 3D, 4D; HMD 1D, 4D;
HSB 85B

- Wells that could not be sampled because they were inaccessible to the samplers:

BGO 4D

- Wells that could not be sampled because they had mechanical problems:

BGO 47C

- Wells that could not be sampled because they are in the Purge Water Containment (PWC) Program. The PWC program was instituted at SRS in 1991 to contain and dispose of purge water from wells that exhibits constituents 100 times their standards. Currently, MWMF does not have a method for containing and disposing of purged water; thus, these wells have only water-level measurements taken during sampling.

Wells in the Purge Water Containment Program

Well	Quarter Last Sampled	Constituent Exceeding Limit	Level at Last Sample	Completion Date of Next Evaluation
BGO 26A	3Q91	pH	11.6 pH units ^a	June 30, 1994
BGO 37C	1Q91	trichloroethylene	690 µg/L	June 30, 1994
BGO 41A	2Q93	pH	12.3 pH units	June 30, 1994
BGO 43A	2Q93	pH	12.6 pH units	June 30, 1994
BGX 1A	1Q93	pH	12.4 pH units	June 30, 1994

^a Field measurements.

Analytical Results Exceeding Standards

Results for analytes that exceeded the final PDWS during second quarter 1994 are summarized in Table 1 (Appendix D) and described below. In the text description, the maximum level for each constituent is indicated in parentheses following the well in which it was detected.

Aquifer Zone IIB₂ (Water Table): 40 of the 54 wells sampled contained elevated constituents during second quarter 1994.

- Tritium was elevated in 39 wells: BGO 2D, 3D, 6D, 7D, 9D, 10DR, 11D, 12D, 15D, 16D, 19D, 20D, 21D, 22DR, 23D, 27D, 28D (maximum activity at 1.6E+05 pCi/mL), 29D, 30D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 44D, 45D, 46D, 47D, 48D, 49D, and 50D; BGO 1D, 11D, and 12D; and FSS 2D and 3D.
- Trichloroethylene was elevated in 13 wells: BGO 6D, 7D, 12D, 14DR, 15D, 16D, 28D (maximum concentration at 208 µg/L), 30D, 32D, 46D, 47D, 48D, and 50D.
- Tetrachloroethylene was elevated in 5 wells: BGO 7D, 15D, 32D, 46D, and 48D (maximum concentration at 68 µg/L).
- Chloroethene (vinyl chloride) was elevated in 3 wells: BGO 28D (maximum concentration at 96 µg/L), 30D, and 46D.
- 1,1-Dichloroethylene was elevated in well BGO 30D at 13 µg/L.
- Lead was elevated in well FSS 3D at 956 µg/L.
- Gross alpha was elevated in well BGO 32D at 1.5E+01 pCi/L.

Aquifer Zone IIB₁ (Barnwell/McBean): 25 of the 44 wells sampled contained elevated constituents during second quarter 1994.

- Tritium was elevated in 23 wells: BGO 5C, 6B, 6C, 14CR, 27C, 30C, 31C, 33C (maximum activity at 8.8E+03 pCi/mL), 35C, 44B, 44C, 45C, 46C, 48C, 49C, and 50C; BGO 1C, 2D, 3D, 5D, 7D, and 8DR; and HMD 1D.

- Trichloroethylene was elevated in 10 wells: BGO 12CR (maximum concentration at 82 $\mu\text{g/L}$), 14CR, 27C, 30C, 33C, 35C, 42C, 46C, and 50C; and BGX 2D.
- Tetrachloroethylene was elevated in well BGO 33C at 5.2 $\mu\text{g/L}$.

Aquifer Unit IIA (Congaree): None of the 20 wells sampled contained elevated constituents during second quarter 1994.

Results for analytes that exceeded other SRS flagging criteria during second quarter 1994 are summarized in Table 2 (Appendix D).

Table 3 (Appendix D) shows the results for all of the constituents and indicates the analytical laboratories that conducted the analyses, the dilution factors used in the analyses, and the analyses that received modifiers (which help identify laboratory accuracy and precision) or that exceeded the EPA-approved holding times during second quarter 1994. Constituent results in Table 3 that appear to equal the final PDWS but are not marked in the *D* column (exceeded final PDWS or screening level) are below the final PDWS in the database. Database results, the results that are compared to the final PDWS, are entered with more significant digits than the results given in this report. Apparent discrepancies are the result of the rounding of reported results.

In addition to the results tables, Appendix D provides definitions of the abbreviations and the modifiers used in the results tables as well as descriptions of holding times, data rounding, and data qualification practices. Appendix E provides a general assessment of the quality and usability of the data.

Isoconcentration maps of lead, pH, specific conductance, trichloroethylene, and tritium in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) wells during second quarter 1994 appear in Figures 8 through 22 (Appendix C).

Trichloroethylene and Tritium Time-Trend Data

Time series plots from first quarter 1990 through second quarter 1994 for wells containing trichloroethylene and tritium are presented in Appendix F. Statistical analyses of these data have not been conducted; thus, statements concerning changes in constituent concentrations or activities over time are not included in this report. Statements concerning relative concentrations or activities of the constituents are provided below.

Trichloroethylene concentrations have exhibited the following trends since first quarter 1992:

- Trichloroethylene concentrations in wells BGO 6A, 6C, 8AR, 8C, 27D, 29D, 31D, 33D, 44A, 44AA, 44B, 44D, 47A, and 50A have been consistently below or near detection limits.
- Trichloroethylene concentrations in wells BGO 8D, 13DR, 14AR, 29A, 29C, 31C, 32D, 40D, 44C, 46B, 47C, and 48C and BGX 2B have been consistently near or below the final PDWS.
- Wells BGO 6D, 7D, 12AR, 12CR, 12D, 14CR, 14DR, 15D, 16D, 27C, 28D, 30C, 30D, 33C, 42C, 46C, 46D, 47D, 48D, and 50D and BGX 2D have exhibited concentrations of trichloroethylene that consistently exceeded the final PDWS.

- Well **BGO 28D**, screened in Aquifer Zone IIB₂ (Water Table), has consistently exhibited the highest trichloroethylene concentrations, usually ranging from approximately 190 µg/L to 340 µg/L.
- Other wells have exhibited somewhat erratic activities, ranging from relatively high above the final PDWS to below the final PDWS (i.e., wells **BGO 50C** and **BGX 3D**). Data are insufficient to determine trends for other wells. However, trichloroethylene concentrations in wells **BGO 6B**, **16AR**, **16B**, and **41A** have not exceeded the final PDWS since sampling began several quarters ago.

Tritium activities have exhibited the following trends since first quarter 1992:

- Tritium activities in wells **BGO 8AR**, **8C**, **10AR**, **12AR**, **12CR**, **18A**, **25A**, **43AA**, **44A**, **44AA**, **45A**, **47A**, **49A**, and **50A**; **BGX 4A** and **12C**; and **HSB 85C** have been consistently near or below detection limits.
- Tritium activities have not exceeded the final PDWS in upgradient wells **BGO 1D** and **HSB 85A** and **85B**.
- Tritium activities in wells **BGO 2D**, **5C**, **5D**, **8D**, **12D**, **14AR**, **17DR**, **18D**, **20D**, **24D**, **26D**, **29A**, **33D**, **35C**, **40D**, **42C**, **43CR**, **43D**, and **45B**; **BGX 2B**, **4C**, **6D**, **9D**, **10D**, **11D**, and **12D**; **FSS 1D** and **4D**; and **HMD 2D**, **3D**, and **4D** have been consistently near or below the final PDWS.
- Wells **BGO 3D**, **6C**, **6D**, **7D**, **10DR**, **11D**, **14CR**, **15D**, **16D**, **19D**, **21D**, **22DR**, **23D**, **27C**, **27D**, **28D**, **30C**, **30D**, **31C**, **32D**, **33C**, **34D**, **35D**, **36D**, **37D**, **38D**, **39D**, **44B**, **44C**, **44D**, **45C**, **45D**, **46C**, **46D**, **47C**, **47D**, **48C**, **48D**, **49C**, **49D**, **50C**, and **50D**; **BGX 1C**, **1D**, **2D**, **3D**, and **8DR**; and **FSS 2D** and **3D** have exhibited tritium levels that have consistently exceeded the final PDWS.
- Well **BGO 28D**, located in Aquifer Zone IIB₂ (Water Table) at the west edge of the Old Burial Ground, has consistently exhibited the highest tritium activities, exceeding 1.0E+05 pCi/mL during most quarters.
- Some wells have exhibited erratic activities, ranging from relatively high above the final PDWS to below the final PDWS (e.g., wells **BGO 9D**, **10C**, **13DR**, and **46B** and **BGX 7D**). Data are still insufficient to determine trends for other wells. However, tritium activities in wells **BGO 9AA**, **10AA**, **16AR** and **17DR** have been consistently below the final PDWS since sampling began several quarters ago.

Tritium activities in wells **BGO 12D**, **14AR**, **26D**, **29A**, **34D**, **35C**, **36D**, **37D**, **38D**, and **39D** appear to have been anomalously high during fourth quarter 1991 as compared to preceding and more recent quarters.

Time series plots of pH for selected wells also are provided in Appendix F.

Water Levels

Hydrographs for selected wells and well clusters at the MWMF are provided in Appendix G. Average water elevations for all of the wells in each of the three hydrostratigraphic units beneath the MWMF for the past four quarters are shown in the following table.

Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the MWMF

Unit	3Q93	4Q93	1Q94	2Q94
Aquifer Zone IIB ₂ (Water Table)	233.07	231.13	230.70 ^a	230.48
Aquifer Zone IIB ₁ (Barnwell/McBean)	220.34	219.14	218.15	218.79
Aquifer Unit IIA (Congaree)	160.60	160.29	159.45	159.85

^a Average includes water elevations for wells FSS 1D, 2D, and 3D for the first time.

During second quarter 1994, the water level in Aquifer Zone IIB₂ (Water Table) decreased an average of 0.22 ft compared to first quarter 1994, the water level in Aquifer Zone IIB₁ (Barnwell/McBean) rose an average of 0.64 ft, and the water level in Aquifer Unit IIA (Congaree) rose an average of 0.4 ft.

A consistent vertical head relationship exists among the hydrostratigraphic units monitored at the MWMF. Flow potential is downward from Aquifer Zone IIB₂ (Water Table) to Aquifer Zone IIB₁ (Barnwell/McBean) and downward from Aquifer Zone IIB₁ (Barnwell/McBean) to Aquifer Unit IIA (Congaree). This relationship, which was first noted in 1988, exists at all BGO well clusters.

Groundwater Flow Rates and Directions

The groundwater in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) diverges beneath the Burial Ground Complex. Historically the groundwater in Aquifer Zone IIB₂ (Water Table) has discharged either to the north toward Upper Three Runs Creek or to the southwest toward Fourmile Branch (using universal transverse Mercator coordinates [UTM]); the groundwater in Aquifer Zone IIB₁ (Barnwell/McBean) has discharged either to the northwest or to the southwest. Near Upper Three Runs Creek, the upper portion of the saturated zone lies beneath Confining Zone IIB₁-IIB₂ (Tan Clay) in Aquifer Zone IIB₁ (Barnwell/McBean). The historical horizontal groundwater flow direction in Aquifer Unit IIA (Congaree) has been consistently northwest toward Upper Three Runs Creek.

Using universal transverse Mercator coordinates, the second quarter 1994 flow directions in Aquifer Zone IIB₂ (Water Table) were to the west-southwest (flow path A) and north (flow path B). Flow directions in Zone IIB₁ (Barnwell/McBean) were to the west-southwest (flow path A) and north (flow path B), and the flow direction in Aquifer Unit IIA (Congaree) was to the northwest (Figures 23, 24, and 25, Appendix C). Horizontal flow rate estimates for the three hydrostratigraphic units during the past four quarters are provided in the following table.

Estimated Horizontal Groundwater Flow Rates (ft/yr) in the Hydrostratigraphic Units beneath the MWMF

Unit	3Q93	4Q93	1Q94	2Q94
Aquifer Zone IIB ₂ (Water Table)	27–51	17–35	20–31	18–28
Aquifer Zone IIB ₁ (Barnwell/McBean)	5.1–15	8.8–16	8.8–16	8.8–15
Aquifer Unit IIA (Congaree)	190	180	150	220

Horizontal flow rate calculations provide estimates of the transport rate of constituents originating from the MWMF. Flow rates in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) are calculated along two flow paths (designated flow paths A and B) to characterize the divergent groundwater flows toward Upper Three Runs Creek and Fourmile Branch. The flow rate for Aquifer Unit IIA (Congaree) is calculated along a single flow path because flow directions within this unit are generally more uniform than in the overlying units. Flow rates are estimated using the following equation:

$$\text{Flow (ft/day)} = \frac{\text{Hydraulic Conductivity (ft/day)}}{\text{Porosity (unitless)}} \times \frac{dh \text{ (ft)}}{dl \text{ (ft)}}$$

Hydraulic conductivity constants of 3.03 ft/day, 1.50 ft/day, and 45 ft/day are used for Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree), respectively (WSRC, 1992). An effective porosity value of 20% is used for the two upper units, and an effective porosity value of 25% is used for Aquifer Unit IIA (Congaree) (WSRC, 1992). The value dh is the difference in head, and dl is the length of the flow path.

Flow path lengths are calculated to the nearest 50 ft. Flow rate per day is calculated to two significant figures, then multiplied by 365 and rounded to two significant figures for the flow rate per year. Flow rate estimates vary depending on the vertical gradient between wells, the size of the area under consideration, the number of data points, and the length and location of the flow path. Because these are based on inferred or estimated parameters, flow rate estimates should be considered accurate to an order of magnitude only.

The flow rate estimates for groundwater in Aquifer Zone IIB₂ (Water Table) beneath the MWMF during second quarter 1994 are as follows (Figure 23, Appendix C):

- Flow path A (toward Fourmile Branch)

$$\frac{3.03}{0.20} \times \frac{8}{2,450} \approx 0.049 \text{ ft/day}$$

$$0.049 \text{ ft/day} \times 365 \text{ days} \approx 18 \text{ ft/yr}$$

- Flow path B (toward Upper Three Runs Creek)

$$\frac{3.03}{0.20} \times \frac{12}{2,400} \approx 0.076 \text{ ft/day}$$

$$0.076 \text{ ft/day} \times 365 \text{ days} \approx 28 \text{ ft/yr}$$

The flow rate estimates for groundwater in Aquifer Zone IIB₁ (Barnwell/McBean) beneath the MWMF are as follows (Figure 24, Appendix C):

- Flow path A (toward Fourmile Branch)

$$\frac{1.50}{0.20} \times \frac{8}{2,550} \approx 0.024 \text{ ft/day}$$

$$0.024 \text{ ft/day} \times 365 \text{ days} \approx 8.8 \text{ ft/yr}$$

- Flow path B (toward Upper Three Runs Creek)

$$\frac{1.50}{0.20} \times \frac{12}{2,200} \approx 0.041 \text{ ft/day}$$

$$0.041 \text{ ft/day} \times 365 \text{ days} \approx 15 \text{ ft/yr}$$

The flow rate estimate for groundwater in Aquifer Unit IIA (Congaree) beneath the MWMF is as follows (Figure 25, Appendix C):

$$\frac{45}{0.25} \times \frac{5}{1,500} \approx 0.60 \text{ ft/day}$$

$$0.60 \text{ ft/day} \times 365 \text{ days} \approx 220 \text{ ft/yr}$$

Upgradient Versus Downgradient Results

Wells BGO 1D, 2D, and HSB 85C are upgradient wells in Aquifer Zone IIB₂ (Water Table); wells HSB 85A and 85B are upgradient wells in Aquifer Unit IIA (Congaree) and Aquifer Zone IIB₁ (Barnwell/McBean), respectively. The remaining wells in these hydrostratigraphic units monitor downgradient water quality.

Upgradient well BGO 2D contained tritium activity that exceeded the final PDWS during second quarter 1994. No elevated constituents were detected in the remaining upgradient wells. Downgradient wells in the three hydrostratigraphic units contained elevated levels of chloroethene, 1,1-dichloroethylene, gross alpha, lead, tetrachloroethylene, trichloroethylene, or tritium.

Quality Control Results

Wells BGO 8AR, 35C, 46B, and BGX 4A were selected to receive duplicate and blind replicate analyses during second quarter 1994. Blind replicate analyses, representing approximately 5% of the quarter's total groundwater samples, are performed by the analytical laboratories each quarter for wells selected by EPD/EMS as part of the EPD/EMS quality assurance program (see Appendix E). The results of the analyses are used for both intralaboratory and interlaboratory comparisons. As a part of intralaboratory quality assurance procedures, certain analyses were duplicated by the laboratory. The results of duplicate and replicate analyses are reported in Table 3 (Appendix D).

The Savannah River Site's Groundwater Monitoring Program, Second Quarter 1994 (U) (EPD/EMS, 1994) provides a full evaluation of data quality control and an explanation of analytical results for the quarter.

Conclusions

The groundwater at the MWMF contains elevated levels of heavy metals, radionuclides, volatile organic compounds, and other constituents resulting from 40 years of operations at the Burial Ground Complex. During second quarter 1994, chloroethene, 1,1-dichloroethylene, gross alpha, lead, tetrachloroethylene, trichloroethylene, and tritium exceeded their final PDWS in one or more wells at the MWMF. All of these constituents, except gross alpha, also occurred in elevated levels during first quarter 1994. Copper, mercury, and nonvolatile beta, which were elevated in one or two wells during first quarter, were not above standards during second quarter. Elevated lead occurred only in well FSS 3D during the quarter; nearby BGO wells do not have a history of elevated lead concentrations.

As in previous quarters, tritium and trichloroethylene were the most widespread constituents. Sixty-two (50%) of the 125 monitoring wells contained elevated tritium activities, with maximum activity ($1.6\text{E}+05$ pCi/mL) occurring in well BGO 28D in Aquifer Zone IIB₂ (Water Table). Trichloroethylene concentrations exceeded the final PDWS in 24 (19%) of the wells, with the maximum concentration found at 208 $\mu\text{g/L}$ in well BGO 28D in Aquifer Zone IIB₂ (Water Table).

Elevated constituent levels were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean), consistent with historical data. No elevated constituents occurred in wells in Aquifer Unit IIA (Congaree), but past quarters' results have indicated that vertical pathways into this deeper water-bearing unit exist. A current groundwater flow model for the General Separations Area indicates that the vertical component beneath this area is important (GeoTrans, Inc., 1992).

Constituents exceeding the final PDWS were found in upgradient well BGO 2D and in numerous downgradient wells. Generally, elevated levels of constituents found in downgradient wells but not in upgradient wells at a waste management unit are considered products of the waste management unit.

Groundwater in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) diverges beneath the Burial Ground Complex and discharges toward Upper Three Runs Creek or toward Fourmile Branch. During second quarter 1994, flow in these units was to the north toward Upper Three Runs Creek or to the west-southwest toward Fourmile Branch (UTM coordinates). The groundwater flow direction in Aquifer Unit IIA (Congaree) is consistently northwest toward Upper Three Runs Creek.

Groundwater flow rate estimates were in the same order of magnitude as previous quarters. Estimates ranged from 18 ft/yr to 28 ft/yr in Aquifer Zone IIB₂ (Water Table) and from 8.8 ft/yr to 15 ft/yr in Aquifer Zone IIB₁ (Barnwell/McBean); the flow rate estimate in Aquifer Unit IIA (Congaree) was 220 ft/yr.

References Cited

Aadland, R. K., and H. W. Bledsoe, 1990. **Classification of Hydrostratigraphic Units at the Savannah River Site, South Carolina**, WSRC-RP-90-987. Westinghouse Savannah River Company, Savannah River Site, Aiken, SC.

EPD/EMS (Environmental Protection Department/Environmental Monitoring Section), 1992. **Hydrogeologic Data Collection Procedures and Specifications: Sampling Groundwater Monitoring Wells**, Manual 3Q5, Chapter 15, Revision 0. Westinghouse Savannah River Company, Savannah River Site, Aiken, SC.

EPD/EMS (Environmental Protection Department/Environmental Monitoring Section), 1994. **Environmental Protection Department's Well Inventory (through the fourth quarter of 1993)**, ESH-EMS-930262. Westinghouse Savannah River Company, Savannah River Site, Aiken, SC.

EPD/EMS (Environmental Protection Department/Environmental Monitoring Section), 1994. **The Savannah River Site's Groundwater Monitoring Program, Second Quarter 1994 (U)**, ESH-EMS-940515. Westinghouse Savannah River Company, Savannah River Site, Aiken, SC (in preparation).

GeoTrans, Inc., 1992. **Groundwater Flow Model for the General Separations Area, Savannah River Site**. Prepared for Westinghouse Savannah River Company, Environmental Restoration Department, Savannah River Site, Aiken, SC.

Heffner, J. D., and Exploration Resources, Inc., 1991. **Technical Summary of Groundwater Quality Protection Program at the Savannah River Site (1952-1986), Volume I—Site Geohydrology and Waste Sites**, DPSP-88-1002. Westinghouse Savannah River Company, Aiken, SC.

Jaegge, W. J., N. L. Kolb, B. B. Looney, I. W. Marine, O. A. Towler, and J. R. Cook, 1987. **Environmental Information Document: Radioactive Waste Burial Grounds**, DPST-85-694. Savannah River Laboratory, E. I. du Pont de Nemours & Company, Aiken, SC.

SCDHEC (South Carolina Department of Health and Environmental Control), 1993. **South Carolina Hazardous Waste Management Regulations**; R.61-79.124, .260 through .266, .268, and .270. Columbia, SC.

WSRC (Westinghouse Savannah River Company), 1992. **1992 RCRA Part B Permit Renewal Application. Mixed Waste Management Facility (MWMF) Post-Closure**, Volume VII, Revision 0, November 1992, WSRC-IM-91-53. Savannah River Site, Aiken, SC.

WSRC (Westinghouse Savannah River Company), 1993a. **A Field Investigation Plan for the Burial Ground Complex**. September 1993, WSRC-RP-93-848. Savannah River Site, Aiken, SC.

WSRC (Westinghouse Savannah River Company), 1993b. **Mixed Waste Management Facility Closure Plan (LLRWDF)**, Volume II, August 1993, Q-CLP-E-00001. Savannah River Site, Aiken, SC.

WSRC (Westinghouse Savannah River Company), 1993c. **1992 RCRA Part B Permit Application, Mixed Waste Management Facility Postclosure**, Volume VII, Revision 2, November 1993, WSRC-IM-91-53. Savannah River Site, Aiken, SC.

Errata

In tables with four quarters of data, some values for earlier quarters may differ from values for those same quarters presented in earlier reports because some reanalyses may have been performed by the laboratories after the reports were printed.

Second Quarter 1993:

- No errata have been reported.

Third Quarter 1993:

- Page D-5, Table 1: The correct result for trichloroethylene in well BGO 12D during second quarter is 83 $\mu\text{g/L}$.
- Page F-14, Trichloroethylene concentrations, well cluster BGO 6: The symbols were incorrect. The open triangle should be a black square; the black square should be an open triangle.

Fourth Quarter 1993:

- No errata have been reported.

First Quarter 1994:

- No errata have been reported.

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix A

Final Primary Drinking Water Standards

THIS PAGE LEFT BLANK INTENTIONALLY.

Final Primary Drinking Water Standards

Analyte	Unit	Level	Status	Source
Alachlor	µg/L	2	Final	EPA, 1993
Aldicarb ^a	µg/L	3	Final	EPA, 1993
Aldicarb sulfone ^a	µg/L	2	Final	EPA, 1993
Aldicarb sulfoxide ^a	µg/L	4	Final	EPA, 1993
Antimony	µg/L	6	Final	EPA, 1993
Antimony, dissolved	µg/L	6	Final	EPA, 1993
Antimony, total recoverable	µg/L	6	Final	EPA, 1993
Arsenic	µg/L	50	Final	EPA, 1993
Arsenic, dissolved	µg/L	50	Final	EPA, 1993
Arsenic, total recoverable	µg/L	50	Final	EPA, 1993
Asbestos	Fibers/L	7,000,000	Final	EPA, 1993
Atrazine	µg/L	3	Final	EPA, 1993
Barium	µg/L	2,000	Final	EPA, 1993
Barium, dissolved	µg/L	2,000	Final	EPA, 1993
Barium, total recoverable	µg/L	2,000	Final	EPA, 1993
Benzene	µg/L	5	Final	EPA, 1993
Benzo[a]pyrene	µg/L	0.2	Final	EPA, 1993
Beryllium	µg/L	4	Final	EPA, 1993
Beryllium, dissolved	µg/L	4	Final	EPA, 1993
Beryllium, total recoverable	µg/L	4	Final	EPA, 1993
Bis(2-ethylhexyl) phthalate	µg/L	6	Final	EPA, 1993
Bromodichloromethane	µg/L	100	Final	EPA, 1993
Bromoform	µg/L	100	Final	EPA, 1993
2-sec-Butyl-4,6-dinitrophenol	µg/L	7	Final	EPA, 1993
Cadmium	µg/L	5	Final	EPA, 1993
Cadmium, dissolved	µg/L	5	Final	EPA, 1993
Cadmium, total recoverable	µg/L	5	Final	EPA, 1993
Carbofuran	µg/L	40	Final	EPA, 1993
Carbon tetrachloride	µg/L	5	Final	EPA, 1993
Chlordane	µg/L	2	Final	EPA, 1993
Chlorobenzene	µg/L	100	Final	EPA, 1993
Chloroethene (Vinyl chloride)	µg/L	2	Final	EPA, 1993
Chloroform	µg/L	100	Final	EPA, 1993
Chromium	µg/L	100	Final	EPA, 1993
Chromium, dissolved	µg/L	100	Final	EPA, 1993
Chromium, total recoverable	µg/L	100	Final	EPA, 1993
Copper	µg/L	1,300	Final	EPA, 1993
Copper, dissolved	µg/L	1,300	Final	EPA, 1993
Copper, total recoverable	µg/L	1,300	Final	EPA, 1993
Cyanide	µg/L	200	Final	EPA, 1993
Dalapon ^a	µg/L	200	Final	EPA, 1993
Dibromochloromethane	µg/L	100	Final	EPA, 1993
1,2-Dibromo-3-chloropropane	µg/L	0.2	Final	EPA, 1993
1,2-Dibromoethane	µg/L	0.05	Final	EPA, 1993
1,2-Dichlorobenzene	µg/L	600	Final	EPA, 1993
1,4-Dichlorobenzene	µg/L	75	Final	EPA, 1993
1,2-Dichloroethane	µg/L	5	Final	EPA, 1993
1,1-Dichloroethylene	µg/L	7	Final	EPA, 1993
1,2-Dichloroethylene	µg/L	50	Final	EPA, 1993
cis-1,2-Dichloroethylene	µg/L	70	Final	EPA, 1993
trans-1,2-Dichloroethylene	µg/L	100	Final	EPA, 1993
Dichloromethane (Methylene chloride)	µg/L	5	Final	EPA, 1993
2,4-Dichlorophenoxyacetic acid	µg/L	70	Final	EPA, 1993

Analyte	Unit	Level	Status	Source
1,2-Dichloropropane	µg/L	5	Final	EPA, 1993
Di(2-ethylhexyl) adipate ^a	µg/L	400	Final	EPA, 1993
Diquat dibromide ^a	µg/L	20	Final	EPA, 1993
Endothall ^a	µg/L	100	Final	EPA, 1993
Endrin	µg/L	2	Final	EPA, 1993
Ethylbenzene	µg/L	700	Final	EPA, 1993
Fluoride	µg/L	4,000	Final	EPA, 1993
Glyphosate ^a	µg/L	700	Final	EPA, 1993
Gross alpha ^b	pCi/L	1.5E+01	Final	EPA, 1993
Heptachlor	µg/L	0.4	Final	EPA, 1993
Heptachlor epoxide	µg/L	0.2	Final	EPA, 1993
Hexachlorobenzene	µg/L	1	Final	EPA, 1993
Hexachlorocyclopentadiene	µg/L	50	Final	EPA, 1993
Lead	µg/L	50	Final	SCDHEC, 1981
Lead, dissolved	µg/L	50	Final	SCDHEC, 1981
Lead, total recoverable	µg/L	50	Final	SCDHEC, 1981
Lindane	µg/L	0.2	Final	EPA, 1993
Mercury	µg/L	2	Final	EPA, 1993
Mercury, dissolved	µg/L	2	Final	EPA, 1993
Mercury, total recoverable	µg/L	2	Final	EPA, 1993
Methoxychlor	µg/L	40	Final	EPA, 1993
Nickel	µg/L	100	Final	EPA, 1993
Nickel, dissolved	µg/L	100	Final	EPA, 1993
Nickel, total recoverable	µg/L	100	Final	EPA, 1993
Nitrate as nitrogen	µg/L	10,000	Final	EPA, 1993
Nitrate-nitrite as nitrogen	µg/L	10,000	Final	EPA, 1993
Nitrite as nitrogen	µg/L	1,000	Final	EPA, 1993
Nonvolatile beta	pCi/L	5E+01	Interim Final	EPA, 1977
Oxamyl ^a	µg/L	200	Final	EPA, 1993
PCB 1016	µg/L	0.5	Final	EPA, 1993
PCB 1221	µg/L	0.5	Final	EPA, 1993
PCB 1232	µg/L	0.5	Final	EPA, 1993
PCB 1242	µg/L	0.5	Final	EPA, 1993
PCB 1248	µg/L	0.5	Final	EPA, 1993
PCB 1254	µg/L	0.5	Final	EPA, 1993
PCB 1260	µg/L	0.5	Final	EPA, 1993
PCB 1262	µg/L	0.5	Final	EPA, 1993
Pentachlorophenol	µg/L	1	Final	EPA, 1993
Picloram ^a	µg/L	500	Final	EPA, 1993
Selenium	µg/L	50	Final	EPA, 1993
Selenium, dissolved	µg/L	50	Final	EPA, 1993
Selenium, total recoverable	µg/L	50	Final	EPA, 1993
Simazine ^a	µg/L	4	Final	EPA, 1993
Strontium-89/90 ^c	pCi/L	8E+00	Final	EPA, 1993
Strontium-90	pCi/L	8E+00	Final	EPA, 1993
Styrene	µg/L	100	Final	EPA, 1993
2,3,7,8-TCDD	µg/L	0.00003	Final	EPA, 1993
Tetrachloroethylene	µg/L	5	Final	EPA, 1993
Thallium	µg/L	2	Final	EPA, 1993
Thallium, dissolved	µg/L	2	Final	EPA, 1993
Thallium, total recoverable	µg/L	2	Final	EPA, 1993
Toluene	µg/L	1,000	Final	EPA, 1993
Toxaphene	µg/L	3	Final	EPA, 1993
2,4,5-TP (Silvex)	µg/L	50	Final	EPA, 1993
1,2,4-Trichlorobenzene	µg/L	70	Final	EPA, 1993

<u>Analyte</u>	<u>Unit</u>	<u>Level</u>	<u>Status</u>	<u>Source</u>
1,1,1-Trichloroethane	µg/L	200	Final	EPA, 1993
1,1,2-Trichloroethane	µg/L	5	Final	EPA, 1993
Trichloroethylene	µg/L	5	Final	EPA, 1993
Tritium	pCi/mL	2E+01	Final	EPA, 1993
Xylenes	µg/L	10,000	Final	EPA, 1993

Note: Final PDWS were assigned to alachlor, aldicarb, aldicarb sulfone, aldicarb sulfoxide, atrazine, carbofuran, dalapon, di(2-ethylhexyl) adipate, diquat dibromide, endothall, glyphosate, oxamyl, picloram, and simazine in the SRS Groundwater Monitoring Program for the first time beginning first quarter 1994.

- ^a At present, EMS does not perform this analysis because the constituent is not in the current contract.
- ^b The standard given is for gross alpha including radium-226 but excluding radon and uranium.
- ^c For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

References

EPA (U.S. Environmental Protection Agency), 1977. **National Interim Primary Drinking Water Regulations**, EPA-570/9-76-003. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1993. **National Primary Drinking Water Regulations, Code of Federal Regulations**, Section 40, Part 141, pp. 592-732. Washington, DC.

SCDHEC (South Carolina Department of Health and Environmental Control), 1981. **State Primary Drinking Water Regulations**, R.61-58.5. Columbia, SC.

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix B

Flagging Criteria

THIS PAGE LEFT BLANK INTENTIONALLY.

Flagging Criteria

The Savannah River Site Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) flagging criteria are as follows:

- Flag 2 criteria for constituents equal the Safe Drinking Water Act (SDWA) final Primary Drinking Water Standard (PDWS), the SDWA proposed PDWS, or the SDWA Secondary Drinking Water Standard (SDWS). If a constituent does not have a drinking water standard, the Flag 2 criterion equals 10 times the method detection limit (MDL) calculated as the 90th percentile detection limit obtained recently by one of the primary analytical laboratories.
- Flag 1 criteria for constituents equal one-half of the final PDWS, one-half the proposed PDWS, or one-half the SDWS. If a constituent does not have a drinking water standard, the Flag 1 criterion equals 5 times the MDL calculated as the 90th percentile detection limit obtained recently by one of the primary analytical laboratories.
- Flag 0 criteria are assigned to constituent levels below Flag 1 criteria, constituent levels below the sample detection limits, or constituents having no flagging criteria.

The following parameters are exceptions to the flagging rules:

- EPD/EMS sets flagging criteria for specific conductance and pH. No flags are set for alkalinity, calcium, carbonate, magnesium, potassium, silica, sodium, total dissolved solids, total phosphates (as P), and total phosphorus. Analyses for these parameters are conducted as part of the biennial comprehensive analyses or by special request.
- Aesthetic parameters such as color, corrosivity, Eh, odor, surfactants, and turbidity are not assigned flagging criteria but are analyzed by special request.
- Common laboratory contaminants and cleaners such as dichloromethane (methylene chloride), ketones, phthalates, and toluene are not assigned flagging criteria unless they have primary drinking water standards. These constituents are analyzed by special request.

Analyte	Unit	Flag 1	Flag 2	Source ^a
Acenaphthene	µg/L	50	100	EPA Method 8270
Acenaphthylene	µg/L	50	100	EPA Method 8270
Acetone	µg/L	500	1,000	EPA Method 8240
Acetonitrile (Methyl cyanide)	µg/L	500	1,000	EPA Method 8240
Acetophenone	µg/L	50	100	EPA Method 8270
2-Acetylaminofluorene	µg/L	50	100	EPA Method 8270
Acrolein	µg/L	100	200	EPA Method 8240
Acrylonitrile	µg/L	100	200	EPA Method 8240
Actinium-228	pCi/L	1.64E+03	3.27E+03	Proposed PDWS (EPA, 1991)
Alachlor	µg/L	1	2	Final PDWS (EPA, 1993a)
Aldicarb ^b	µg/L	1.5	3	Final PDWS (EPA, 1993a)
Aldicarb sulfone ^b	µg/L	1	2	Final PDWS (EPA, 1993a)
Aldicarb sulfoxide ^b	µg/L	2	4	Final PDWS (EPA, 1993a)
Aldrin	µg/L	0.25	0.5	EPA Method 8080
Alkalinity (as CaCO ₃)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	250	500	EPA Method 8240
Aluminum	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, dissolved	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, total recoverable	µg/L	25	50	SDWS (EPA, 1993b)

Analyte	Unit	Flag 1	Flag 2	Source
Americium-241	pCi/L	3.17E+00	6.34E+00	Proposed PDWS (EPA, 1991)
Americium-243	pCi/L	3.19E+00	6.37E+00	Proposed PDWS (EPA, 1991)
4-Aminobiphenyl	µg/L	50	100	EPA Method 8270
Ammonia	µg/L	500	1,000	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1
Aniline	µg/L	50	100	EPA Method 8270
Anthracene	µg/L	50	100	EPA Method 8270
Antimony	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony, dissolved	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony, total recoverable	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony-125	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Aramite	µg/L	50	100	EPA Method 8270
Arsenic	µg/L	25	50	Final PDWS (EPA, 1993a)
Arsenic, dissolved	µg/L	25	50	Final PDWS (EPA, 1993a)
Arsenic, total recoverable	µg/L	25	50	Final PDWS (EPA, 1993a)
Asbestos	Fibers/L	3,500,000	7,000,000	Final PDWS (EPA, 1993a)
Atrazine	µg/L	1.5	3	Final PDWS (EPA, 1993a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium, dissolved	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium, total recoverable	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium-140 ^C	pCi/L	4.5E+01	9E+01	Interim Final PDWS (EPA, 1977)
Benzene	µg/L	2.5	5	Final PDWS (EPA, 1993a)
alpha-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
beta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
delta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
Benzidine	µg/L	250	500	EPA Method 8270
Benzo[a]anthracene	µg/L	0.05	0.1	Proposed PDWS (EPA, 1990)
Benzo[b]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzo[k]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzoic acid	µg/L	250	500	EPA Method 8270
Benzo[g,h,i]perylene	µg/L	50	100	EPA Method 8270
Benzo[a]pyrene	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	50	100	EPA Method 8270
Beryllium	µg/L	2	4	Final PDWS (EPA, 1993a)
Beryllium, dissolved	µg/L	2	4	Final PDWS (EPA, 1993a)
Beryllium, total recoverable	µg/L	2	4	Final PDWS (EPA, 1993a)
Beryllium-7	pCi/L	3E+03	6E+03	Interim Final PDWS (EPA, 1977)
Bis(2-chloroethoxy) methane	µg/L	50	100	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	50	100	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	3	6	Final PDWS (EPA, 1993a)
Bismuth-214	pCi/L	9.4E+03	1.89E+04	Proposed PDWS (EPA, 1991)
Boron	µg/L	150	300	EPA Method 6010
Boron, dissolved	µg/L	150	300	EPA Method 6010
Boron, total recoverable	µg/L	150	300	EPA Method 6010
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromodichloromethane	µg/L	50	100	Final PDWS (EPA, 1993a)
Bromoform	µg/L	50	100	Final PDWS (EPA, 1993a)
Bromomethane (Methyl bromide)	µg/L	5	10	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	50	100	EPA Method 8270
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final PDWS (EPA, 1993a)
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS

Analyte	Unit	Flag 1	Flag 2	Source
Cadmium	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Cadmium, dissolved	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Cadmium, total recoverable	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Calcium		No flag	No flag	Set by EPD/EMS
Calcium, dissolved		No flag	No flag	Set by EPD/EMS
Calcium, total recoverable		No flag	No flag	Set by EPD/EMS
Carbon disulfide	µg/L	5	10	EPA Method 8240
Carbofuran	µg/L	20	40	Final PDWS (EPA, 1993a)
Carbon tetrachloride	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Carbon-14	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Cerium-141 ^c	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Cerium-144	pCi/L	1.31E+02	2.61E+02	Proposed PDWS (EPA, 1991)
Cesium-134 ^d	pCi/L	4.07E+01	8.13E+01	Proposed PDWS (EPA, 1991)
Cesium-137	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Chlordane	µg/L	1	2	Final PDWS (EPA, 1993a)
Chloride	µg/L	125,000	250,000	SDWS (EPA, 1993b)
4-Chloroaniline	µg/L	50	100	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final PDWS (EPA, 1993a)
Chlorobenzilate	µg/L	50	100	EPA Method 8270
Chloroethane	µg/L	5	10	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	Final PDWS (EPA, 1993a)
Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
Chloroform	µg/L	50	100	Final PDWS (EPA, 1993a)
4-Chloro-m-cresol	µg/L	50	100	EPA Method 8270
Chloromethane (Methyl chloride)	µg/L	5	10	EPA Method 8240
2-Chloronaphthalene	µg/L	50	100	EPA Method 8240
2-Chlorophenol	µg/L	50	100	EPA Method 8270
4-Chlorophenyl phenyl ether	µg/L	50	100	EPA Method 8270
Chloroprene	µg/L	1,000	2,000	EPA Method 8240
Chromium	µg/L	50	100	Final PDWS (EPA, 1993a)
Chromium, dissolved	µg/L	50	100	Final PDWS (EPA, 1993a)
Chromium, total recoverable	µg/L	50	100	Final PDWS (EPA, 1993a)
Chromium-51 ^c	pCi/L	3E+03	6E+03	Interim Final PDWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Cobalt	µg/L	20	40	EPA Method 6010
Cobalt, dissolved	µg/L	20	40	EPA Method 6010
Cobalt, total recoverable	µg/L	20	40	EPA Method 6010
Cobalt-57	pCi/L	5E+02	1E+03	Interim Final PDWS (EPA, 1977)
Cobalt-58 ^d	pCi/L	4.5E+03	9E+03	Interim Final PDWS (EPA, 1977)
Cobalt-60	pCi/L	5E+01	1E+02	Interim Final PDWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, dissolved	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Corrosivity		No flag	No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	50	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	50	100	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	50	100	EPA Method 8270
Curium-242	pCi/L	6.65E+01	1.33E+02	Proposed PDWS (EPA, 1991)
Curium-243	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA, 1991)
Curium-243/244 ^e	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA, 1991)
Curium-244	pCi/L	4.92E+00	9.84E+00	Proposed PDWS (EPA, 1991)
Curium-245/246 ^e	pCi/L	3.12E+00	6.23E+00	Proposed PDWS (EPA, 1991)

Analyte	Unit	Flag 1	Flag 2	Source
Curium-246	pCi/L	3.14E+00	6.27E+00	Proposed PDWS (EPA, 1991)
Cyanide	µg/L	100	200	Final PDWS (EPA, 1993a)
Dalapon ^b	µg/L	100	200	Final PDWS (EPA, 1993a)
p,p'-DDD	µg/L	0.5	1	EPA Method 8080
p,p'-DDE	µg/L	0.5	1	EPA Method 8080
p,p'-DDT	µg/L	0.5	1	EPA Method 8080
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
Diallate	µg/L	50	100	EPA Method 8270
Dibenz[a,h]anthracene	µg/L	0.15	0.3	Proposed PDWS (EPA, 1990)
Dibenzofuran	µg/L	50	100	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final PDWS (EPA, 1993a)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
1,2-Dibromoethane	µg/L	0.025	0.05	Final PDWS (EPA, 1993a)
Dibromomethane	µg/L	5	10	EPA Method 8240
(Methylene bromide)				
1,2-Dichlorobenzene	µg/L	300	600	Final PDWS (EPA, 1993a)
1,3-Dichlorobenzene	µg/L	50	100	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final PDWS (EPA, 1993a)
3,3'-Dichlorobenzidine	µg/L	50	100	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	150	300	EPA Method 8240
Dichlorodifluoromethane	µg/L	5	10	EPA Method 8240
1,1-Dichloroethane	µg/L	5	10	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
1,1-Dichloroethylene	µg/L	3.5	7	Final PDWS (EPA, 1993a)
1,2-Dichloroethylene	µg/L	25	50	Final PDWS (EPA, 1993a)
cis-1,2-Dichloroethylene	µg/L	35	70	Final PDWS (EPA, 1993a)
trans-1,2-Dichloroethylene	µg/L	50	100	Final PDWS (EPA, 1993a)
Dichloromethane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
(Methylene chloride)				
2,4-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,6-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,4-Dichlorophenoxyacetic acid	µg/L	35	70	Final PDWS (EPA, 1993a)
1,2-Dichloropropane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
cis-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
Di(2-ethylhexyl) adipate	µg/L	200	400	Final PDWS (EPA, 1993a)
Dieldrin	µg/L	2.5	5	EPA Method 8080
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
Dimethoate	µg/L	50	100	EPA Method 8270
p-Dimethylaminoazobenzene	µg/L	50	100	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	50	100	EPA Method 8270
7,12-Dimethylbenz[a]anthracene	µg/L	50	100	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	50	100	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	50	100	EPA Method 8270
2,4-Dimethyl phenol	µg/L	50	100	EPA Method 8270
Dimethyl phthalate		No flag	No flag	Set by EPD/EMS
1,3-Dinitrobenzene	µg/L	50	100	EPA Method 8270
2,4-Dinitrophenol	µg/L	250	500	EPA Method 8270
2,4-Dinitrotoluene	µg/L	50	100	EPA Method 8270
2,6-Dinitrotoluene	µg/L	50	100	EPA Method 8270
Diquat dibromide ^b	µg/L	10	20	Final PDWS (EPA, 1993a)
1,4-Dioxane	µg/L	50	100	EPA Method 8270
Diphenylamine	µg/L	50	100	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
Dissolved organic carbon	µg/L	5,000	10,000	EPA Method 9060
Disulfoton	µg/L	50	100	EPA Method 8270
Eh		No flag	No flag	Set by EPD/EMS
Endosulfan I	µg/L	0.5	1	EPA Method 8080
Endosulfan II	µg/L	0.5	1	EPA Method 8080
Endosulfan sulfate	µg/L	0.5	1	EPA Method 8080
Endothal ^b	µg/L	50	100	Final PDWS (EPA, 1993a)
Endrin	µg/L	1	2	Final PDWS (EPA, 1993a)
Endrin aldehyde	µg/L	0.5	1	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethylbenzene	µg/L	350	700	Final PDWS (EPA, 1993a)
Ethyl methacrylate	µg/L	50	100	EPA Method 8270
Ethyl methanesulfonate	µg/L	50	100	EPA Method 8270
Europium-152	pCi/L	3E+01	6E+01	Interim Final PDWS (EPA, 1977)
Europium-154	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Europium-155	pCi/L	3E+02	6E+02	Interim Final PDWS (EPA, 1977)
Famphur	µg/L	50	100	EPA Method 8270
Fluoranthene	µg/L	50	100	EPA Method 8270
Fluorene	µg/L	50	100	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final PDWS (EPA, 1993a)
Glyphosate ^b	µg/L	350	700	Final PDWS (EPA, 1993a)
Gross alpha	pCi/L	7.5E+00	1.5E+01	Final PDWS (EPA, 1993a)
Heptachlor	µg/L	0.2	0.4	Final PDWS (EPA, 1993a)
Heptachlor epoxide	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.00325	0.0065	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.00325	0.0065	EPA Method 8280
Heptachlorodibenzo-p-furan isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,6,7,8-HPCDF	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Final PDWS (EPA, 1993a)
Hexachlorobutadiene	µg/L	50	100	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final PDWS (EPA, 1993a)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,7,8-HXCDD	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,2,3,4,7,8-HXCDF	µg/L	0.002	0.004	EPA Method 8280
Hexachloroethane	µg/L	50	100	EPA Method 8270
Hexachlorophene	µg/L	250	500	EPA Method 8270
Hexachloropropene	µg/L	50	100	EPA Method 8270
2-Hexanone	µg/L	50	100	EPA Method 8240
Indeno[1,2,3-c,d]pyrene	µg/L	50	100	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	pCi/L	5E-01	1E+00	Interim Final PDWS (EPA, 1977)
Iodine-131 ^c	pCi/L	1.5E+00	3E+00	Interim Final PDWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	75	150	EPA Method 8240
Iron	µg/L	150	300	SDWS (EPA, 1993b)
Iron, dissolved	µg/L	150	300	SDWS (EPA, 1993b)
Iron, total recoverable	µg/L	150	300	SDWS (EPA, 1993b)
Iron-55 ^c	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA, 1977)
Iron-59 ^c	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Isobutyl alcohol	µg/L	500	1,000	EPA Method 8240
Isodrin	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
Isophorone	µg/L	50	100	EPA Method 8270
Isosafrole	µg/L	50	100	EPA Method 8270
Kepone	µg/L	50	100	EPA Method 8270
Lanthanum-140 ^c	pCi/L	3E+01	6E+01	Interim Final PDWS (EPA, 1977)
Lead	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, dissolved	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead-212	pCi/L	6.2E+01	1.23E+02	Proposed PDWS (EPA, 1991)
Lindane	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
Lithium	µg/L	25	50	EPA Method 6010
Lithium, dissolved	µg/L	25	50	EPA Method 6010
Lithium, total recoverable	µg/L	25	50	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Magnesium, dissolved		No flag	No flag	Set by EPD/EMS
Magnesium, total recoverable		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	SDWS (EPA, 1993b)
Manganese, dissolved	µg/L	25	50	SDWS (EPA, 1993b)
Manganese, total recoverable	µg/L	25	50	SDWS (EPA, 1993b)
Manganese-54	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Mercury	µg/L	1	2	Final PDWS (EPA, 1993a)
Mercury, dissolved	µg/L	1	2	Final PDWS (EPA, 1993a)
Mercury, total recoverable	µg/L	1	2	Final PDWS (EPA, 1993a)
Methacrylonitrile	µg/L	250	500	EPA Method 8240
Methapyrilene	µg/L	50	100	EPA Method 8270
Methoxychlor	µg/L	20	40	Final PDWS (EPA, 1993a)
3-Methylcholanthrene	µg/L	50	100	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	250	500	EPA Method 8270
Methyl ethyl ketone		No flag	No flag	Set by EPD/EMS
Methyl isobutyl ketone		No flag	No flag	Set by EPD/EMS
Methyl methacrylate	µg/L	50	100	EPA Method 8270
Methyl methanesulfonate	µg/L	50	100	EPA Method 8270
2-Methylnaphthalene	µg/L	50	100	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010
Molybdenum, dissolved	µg/L	250	500	EPA Method 6010
Molybdenum, total recoverable	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	50	100	EPA Method 8270
1,4-Naphthoquinone	µg/L	50	100	EPA Method 8270
1-Naphthylamine	µg/L	50	100	EPA Method 8270
2-Naphthylamine	µg/L	50	100	EPA Method 8270
Neptunium-237	pCi/L	3.53E+00	7.06E+00	Proposed PDWS (EPA, 1991)
Nickel	µg/L	50	100	Final PDWS (EPA, 1993a)
Nickel, dissolved	µg/L	50	100	Final PDWS (EPA, 1993a)
Nickel, total recoverable	µg/L	50	100	Final PDWS (EPA, 1993a)
Nickel-59 ^c	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Nickel-63 ^c	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Niobium-95 ^c	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1993a)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1993a)
Nitrite as nitrogen	µg/L	500	1,000	Final PDWS (EPA, 1993a)
m-Nitroaniline	µg/L	50	100	EPA Method 8270
o-Nitroaniline	µg/L	50	100	EPA Method 8270
p-Nitroaniline	µg/L	50	100	EPA Method 8270
Nitrobenzene	µg/L	50	100	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
4-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	50	100	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodimethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodipropylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomorpholine	µg/L	50	100	EPA Method 8270
N-Nitrosopiperidine	µg/L	50	100	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	50	100	EPA Method 8270
5-Nitro-o-toluidine	µg/L	50	100	EPA Method 8270
Nonvolatile beta	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Octachlorodibenzo-p-dioxin isomers	µg/L	0.005	0.01	EPA Method 8280
Octachlorodibenzo-p-furan isomers	µg/L	0.005	0.01	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil & Grease	µg/L	5,000	10,000	EPA Method 413.1
Oxamyl ^b	µg/L	100	200	Final PDWS (EPA, 1993a)
Parathion	µg/L	0.25	0.5	EPA Method 8080
Parathion methyl	µg/L	0.25	0.5	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1221	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1232	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1242	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1248	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1254	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1260	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1262	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
Pentachlorobenzene	µg/L	50	100	EPA Method 8270
Pentachlorodibenzo-p-dioxin isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.00275	0.0055	EPA Method 8280
Pentachlorodibenzo-p-furan isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.00275	0.0055	EPA Method 8280
Pentachloroethane	µg/L	50	100	EPA Method 8270
Pentachloronitrobenzene	µg/L	50	100	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1	Final PDWS (EPA, 1993a)
pH	pH	8	10	Set by EPD/EMS
pH	pH	4	3	Set by EPD/EMS
Phenacetin	µg/L	50	100	EPA Method 8270
Phenanthrene	µg/L	50	100	EPA Method 8270
Phenol	µg/L	50	100	EPA Method 8270
Phenols	µg/L	25	50	EPA Method 420.1
p-Phenylenediamine	µg/L	50	100	EPA Method 8270
Phorate	µg/L	0.5	1	EPA Method 8080
Picloram ^b	µg/L	250	500	Final PDWS (EPA, 1993a)
2-Picoline	µg/L	50	100	EPA Method 8270
Plutonium-238	pCi/L	3.51E+00	7.02E+00	Proposed PDWS (EPA, 1991)
Plutonium-239	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA, 1991)
Plutonium-239/240 ^e	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA, 1991)
Plutonium-240	pCi/L	3.11E+01	6.22E+01	Proposed PDWS (EPA, 1991)
Plutonium-241 ^c	pCi/L	3.13E+01	6.26E+01	Proposed PDWS (EPA, 1991)

Analyte	Unit	Flag 1	Flag 2	Source
Plutonium-242 ^c	pCi/L	3.27E+01	6.54E+01	Proposed PDWS (EPA, 1991)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium, dissolved		No flag	No flag	Set by EPD/EMS
Potassium, total recoverable		No flag	No flag	Set by EPD/EMS
Potassium-40	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA, 1986)
Promethium-144	pCi/L	5E+01	1E+02	EPA Method 901.1
Promethium-146	pCi/L	5E+01	1E+02	EPA Method 901.1
Promethium-147	pCi/L	5.24E+03	5.24E+03	Proposed PDWS (EPA, 1991)
Pronamid	µg/L	50	100	EPA Method 8270
Propionitrile	µg/L	1,000	2,000	EPA Method 8240
Pyrene	µg/L	50	100	EPA Method 8270
Pyridine	µg/L	50	100	EPA Method 8270
Radium (alpha-emitting) ^f	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radium-226	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radium-228	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radon-222	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA, 1991)
Ruthenium-103 ^c	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Ruthenium-106	pCi/L	1.5E+01	3E+01	Interim Final PDWS (EPA, 1977)
Safrole	µg/L	50	100	EPA Method 8270
Selenium	µg/L	25	50	Final PDWS (EPA, 1993a)
Selenium, dissolved	µg/L	25	50	Final PDWS (EPA, 1993a)
Selenium, total recoverable	µg/L	25	50	Final PDWS (EPA, 1993a)
Silica		No flag	No flag	Set by EPD/EMS
Silica, dissolved		No flag	No flag	Set by EPD/EMS
Silica, total recoverable		No flag	No flag	Set by EPD/EMS
Silver	µg/L	50	100	SDWS (EPA, 1993b)
Silver, dissolved	µg/L	50	100	SDWS (EPA, 1993b)
Silver, total recoverable	µg/L	50	100	SDWS (EPA, 1993b)
Simazine ^b	µg/L	2	4	Final PDWS (EPA, 1993a)
Sodium		No flag	No flag	Set by EPD/EMS
Sodium, dissolved		No flag	No flag	Set by EPD/EMS
Sodium, total recoverable		No flag	No flag	Set by EPD/EMS
Sodium-22	pCi/L	2.33E+02	4.66E+02	Proposed PDWS (EPA, 1991)
Specific conductance	µS/cm	250	500	Set by EPD/EMS
Strontium-89	pCi/L	1E+01	2E+01	Interim Final PDWS (EPA, 1977)
Strontium-89/90 ^e	pCi/L	4E+00	8E+00	Final PDWS (EPA, 1993a)
Strontium-90	pCi/L	4E+00	8E+00	Final PDWS (EPA, 1993a)
Styrene	µg/L	50	100	Final PDWS (EPA, 1993a)
Sulfate	µg/L	200,000	400,000	Proposed PDWS (EPA, 1990)
Sulfide	µg/L	5,000	10,000	EPA Method 9030
Sulfotep	µg/L	50	100	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.000015	0.00003	Final PDWS (EPA, 1993a)
2,3,7,8-TCDF	µg/L	0.002	0.004	EPA Method 8280
Technetium-99	pCi/L	4.5E+02	9E+02	Interim Final PDWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	50	100	EPA Method 8270
Tetrachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
Tetrachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5	Final PDWS (EPA, 1993a)
2,3,4,6-Tetrachlorophenol	µg/L	50	100	EPA Method 8270
Thallium	µg/L	1	2	Final PDWS (EPA, 1993a)

Analyte	Unit	Flag 1	Flag 2	Source
Thallium, dissolved	µg/L	1	2	Final PDWS (EPA, 1993a)
Thallium, total recoverable	µg/L	1	2	Final PDWS (EPA, 1993a)
Thionazin	µg/L	50	100	EPA Method 8270
Thorium-228	pCi/L	6.25E+01	1.25E+02	Proposed PDWS (EPA, 1991)
Thorium-230	pCi/L	3.96E+01	7.92E+01	Proposed PDWS (EPA, 1991)
Thorium-232	pCi/L	4.4E+01	8.8E+01	Proposed PDWS (EPA, 1991)
Thorium-234	pCi/L	2E+02	4.01E+02	Proposed PDWS (EPA, 1991)
Tin	µg/L	10	20	EPA Method 282.2
Tin, dissolved	µg/L	10	20	EPA Method 282.2
Tin, total recoverable	µg/L	10	20	EPA Method 282.2
Tin-113 ^c	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final PDWS (EPA, 1993a)
o-Toluidine	µg/L	50	100	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
Total coliform		0	0	Final PDWS (EPA, 1993a)
Total dissolved solids		No flag	No flag	Set by EPD/EMS
Total hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total inorganic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic halogens	µg/L	25	50	EPA Method 9020
Total organic nitrogen	µg/L	500	1,000	APHA Method 420
Total petroleum hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total phosphates (as P)		No flag	No flag	Set by EPD/EMS
Total phosphorus		No flag	No flag	Set by EPD/EMS
Toxaphene	µg/L	1.5	3	Final PDWS (EPA, 1993a)
2,4,5-TP (Silvex)	µg/L	25	50	Final PDWS (EPA, 1993a)
Tributyl phosphate	µg/L	50	100	EPA Method 8270
1,2,4-Trichlorobenzene	µg/L	35	70	Final PDWS (EPA, 1993a)
1,1,1-Trichloroethane	µg/L	100	200	Final PDWS (EPA, 1993a)
1,1,2-Trichloroethane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Trichloroethylene	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Trichlorofluoromethane	µg/L	5	10	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	2.5	5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	5	10	EPA Method 8240
O,O,O-Triethyl phosphorothioate	µg/L	50	100	EPA Method 8270
1,3,5-Trinitrobenzene	µg/L	50	100	EPA Method 8270
Tritium	pCi/mL	1E+01	2E+01	Final PDWS (EPA, 1993a)
Turbidity ^g		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed PDWS (EPA, 1991)
Uranium, dissolved	µg/L	10	20	Proposed PDWS (EPA, 1991)
Uranium, total recoverable	µg/L	10	20	Proposed PDWS (EPA, 1991)
Uranium alpha activity	pCi/L	1.5E+01	3E+01	Proposed PDWS (EPA, 1991)
Uranium-233/234 ^e	pCi/L	6.9E+00	1.38E+01	Proposed PDWS (EPA, 1991)
Uranium-234	pCi/L	6.95E+00	1.39E+01	Proposed PDWS (EPA, 1991)
Uranium-235	pCi/L	7.25E+00	1.45E+01	Proposed PDWS (EPA, 1991)
Uranium-238	pCi/L	7.3E+00	1.46E+01	Proposed PDWS (EPA, 1991)
Vanadium	µg/L	40	80	EPA Method 6010
Vanadium, dissolved	µg/L	40	80	EPA Method 6010
Vanadium, total recoverable	µg/L	40	80	EPA Method 6010
Vinyl acetate	µg/L	5	10	EPA Method 8240

Analyte	Unit	Flag 1	Flag 2	Source
Xylenes	µg/L	5,000	10,000	Final PDWS (EPA, 1993a)
Yttrium-88	pCi/L	5E+01	1E+02	EPA Method 901.1
Zinc	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc, dissolved	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc, total recoverable	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc-65	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Zirconium-95 ^c	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Zirconium/Niobium-95 ^c	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)

- ^a References for methods are in Appendix E; references for dated sources are at the end of this appendix.
- ^b EMS is currently unable to perform this analysis.
- ^c EMS discontinued monitoring this radionuclide because it is inappropriate for the SRS Groundwater Monitoring Program.
- ^d EPD/EMS set this flagging criterion using the 1991 proposed PDWS because the final PDWS in 1977 may have been in error.
- ^e For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.
- ^f The applied standard is for radium-226.
- ^g The primary maximum contaminant level range for turbidity is 1–5 NTU, which is inappropriate for the SRS Groundwater Monitoring Program.

References

- EPA (U.S. Environmental Protection Agency), 1977. **National Interim Primary Drinking Water Regulations**, EPA-570/9-76-003. Washington, DC.
- EPA (U.S. Environmental Protection Agency), 1986. *Water Pollution Control; National Primary Drinking Water Regulations, Radionuclides (Proposed)*. **Federal Register**, September 30, 1986, pp. 34835–34862. Washington, DC.
- EPA (U.S. Environmental Protection Agency), 1990. *National Primary and Secondary Drinking Water Regulations; Synthetic Organic Chemicals and Inorganic Chemicals (Proposed Rule)*. **Federal Register**, July 25, 1990, pp. 30369–30448. Washington, DC.
- EPA (U.S. Environmental Protection Agency), 1991. *National Primary Drinking Water Regulations; Radionuclides; Proposed Rule*. **Federal Register**, July 18, 1991, pp. 33052–33127. Washington, DC.
- EPA (U.S. Environmental Protection Agency), 1993a. *National Primary Drinking Water Regulations*. Code of Federal Regulations, Section 40, Part 141, pp. 592–732. Washington, DC.
- EPA (U.S. Environmental Protection Agency), 1993b. *National Secondary Drinking Water Regulations*. Code of Federal Regulations, Section 40, Part 143, pp. 774–777. Washington, DC.
- SCDHEC (South Carolina Department of Health and Environmental Control), 1981. **State Primary Drinking Water Regulations**, R.61–58.5. Columbia, SC.

Appendix C

Figures

THIS PAGE LEFT BLANK INTENTIONALLY.

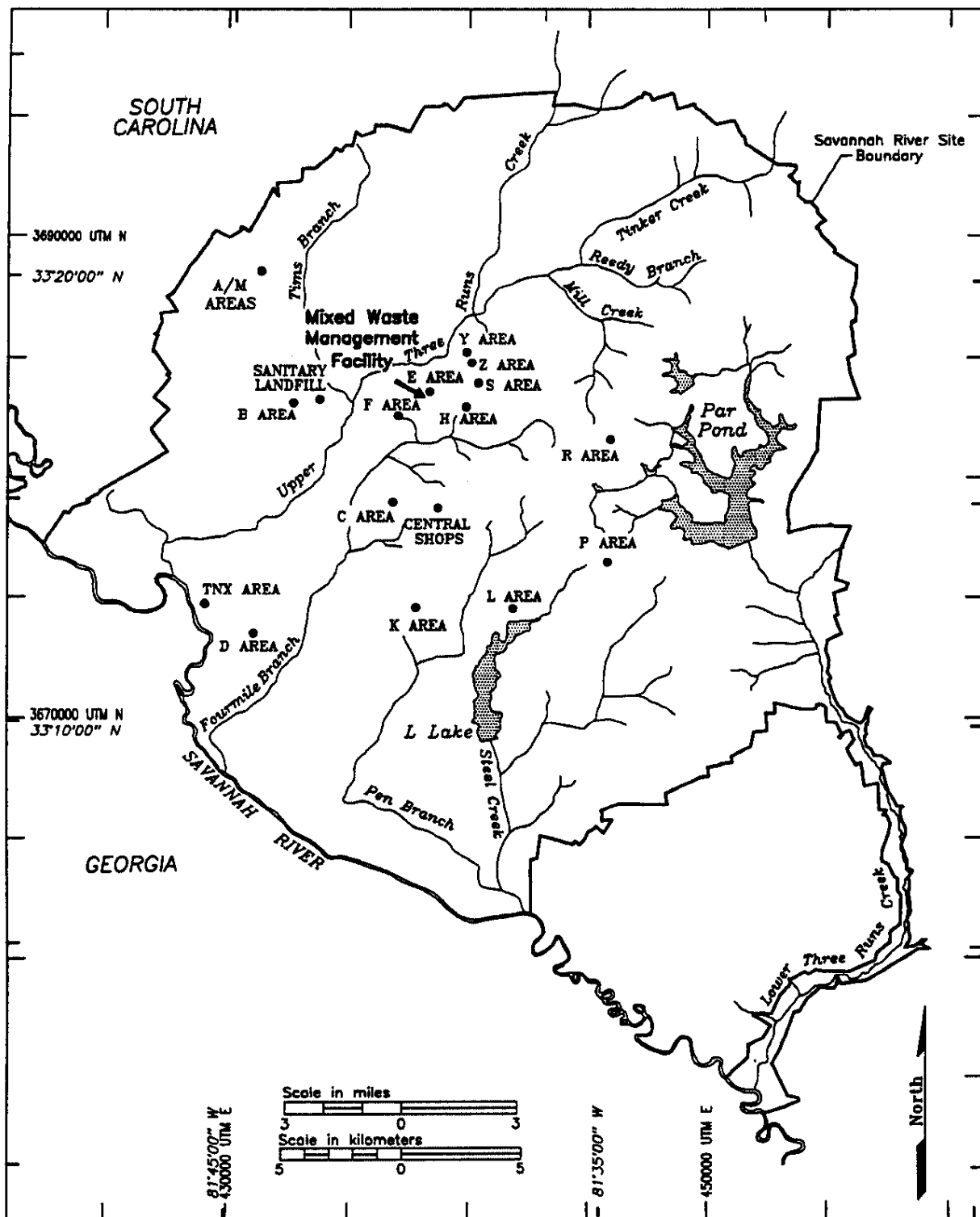


Figure 1. Location of the Mixed Waste Management Facility at the Savannah River Site

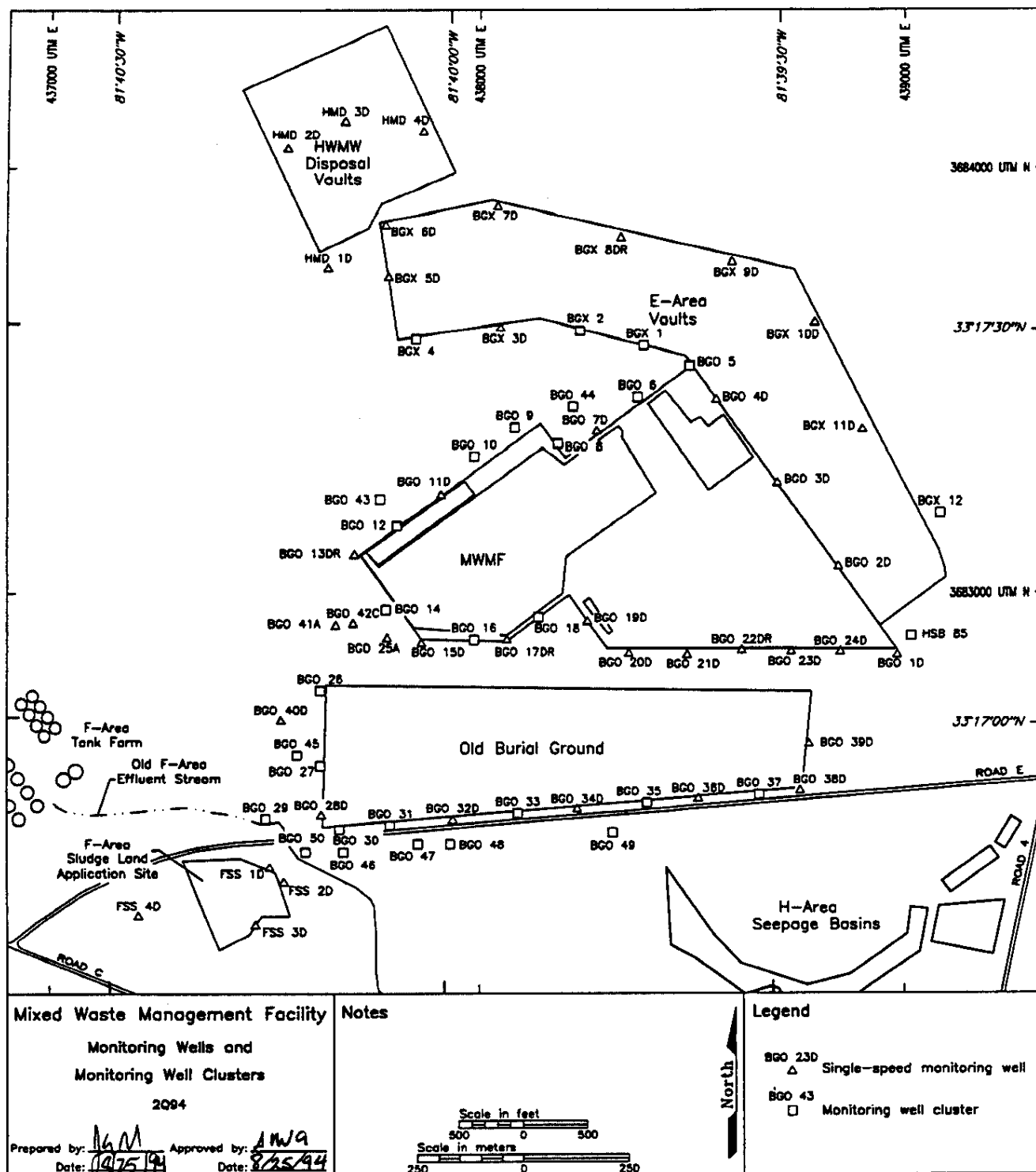


Figure 2. Location of the Groundwater Monitoring Wells at the Mixed Waste Management Facility, the Old Burial Ground, the E-Area Vaults, the Hazardous Waste/Mixed Waste Disposal Vaults (the Burial Ground Complex), and the F-Area Sewage Sludge Application Site

Geologic Age	Lithostratigraphic Units		Hydrostratigraphic Units			
Tertiary	"Upland Unit"		Regulatory Uppermost Aquifer	Aquifer Unit IIB	Aquifer Zone IIB ₂	Aquifer System II
	Barnwell Group	Tobacco Rd Formation			Confining Zone IIB ₁ -IIB ₂	
		Dry Branch Formation				
		Clinchfield Formation			Aquifer Zone IIB ₁	
	Santee Limestone Formation			Confining Unit IIA-IIB		
	Warley Hill Formation					
	Congaree/ Fishburne Formations				Aquifer Unit IIA	
	Williamsburg Formation			Confining System I-II		
	Ellenton Formation					

Aadland, 1990

Figure 3. Hydrostratigraphic Nomenclature

SIPLE (1967)	SRP BASELINE HYDROGEOLOGIC STUDY	GEOTRANS (1988)	AUCOIT (1987)	DUPONT (1989)	AADLAND and BLEDSOE (1990)		
					AQUIFER UNIT I/IC	AQUIFER UNIT IIA-IB	AQUIFER SYSTEM II
HAWTHORNE AQUIFER	UPLAND UNIT			ZONE 8			
BARNWELL AQUIFER	TOBACCO RD FM DRY BRANCH FM	AQUIFER 4	TERTIARY SAND AQUIFER	ZONE 7 7a 7b 7c			
McBEAN AQUITARD GREEN CLAY	McBEAN FORMATION GREEN CLAY			ZONE 6 6a 6b			
CONGAREE AQUIFER	CONGAREE	AQUIFER 3		ZONE 6 6a 6b			
ELLENTON AQUITARD	WILLIAMSBURG FORMATION ELLENTON FORMATION	AQUITARD 2	CONFINING UNIT	ZONE 4			CONFINING SYSTEM I-II
UPPER TUSCALOOSA AQUIFER	PEEDEE FORMATION	AQUIFER 2	BLACK CREEK AQUIFER	ZONE 3 3a 3b			
MID TUSCALOOSA AQUITARD	BLACK CREEK FORMATION	AQUITARD 1	CONFINING UNIT	ZONE 2 2a 2b 2c			
LOWER TUSCALOOSA AQUIFER	MIDDENDORF FORMATION	AQUIFER 1	MIDDENDORF AQUIFER				
BASAL CLAY AQUITARD	CAPE FEAR FORMATION	BASE OF MODEL	CONFINING UNIT	ZONE 1			
TRIASSIC OR PALEOZOIC BASEMENT					PALEOZOIC - TRIASSIC BASEMENT HYDROLOGIC SYSTEM		

Figure 4. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclature

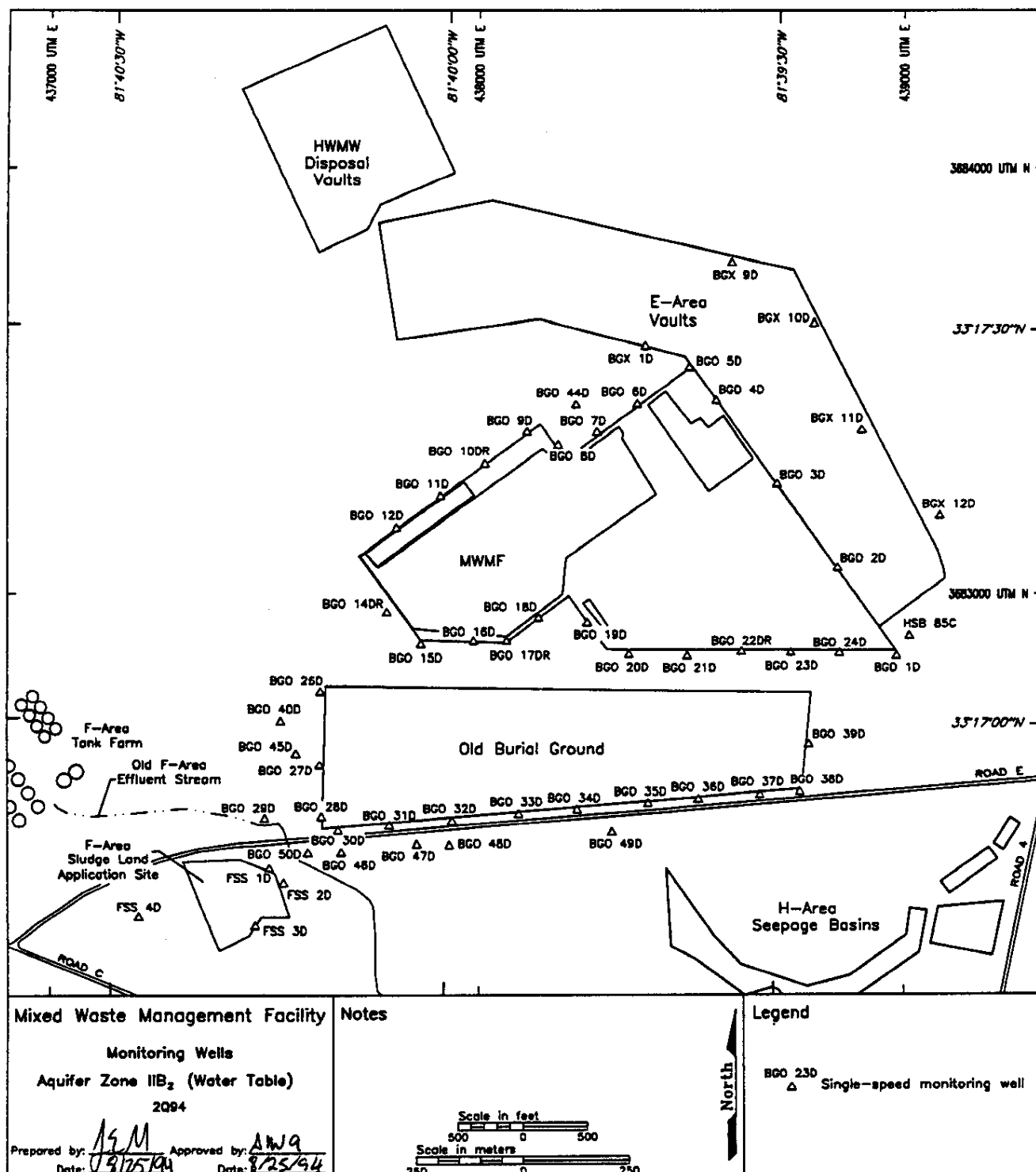


Figure 5. Location of Aquifer Zone IIB₂ (Water Table) Wells at the Burial Ground Complex

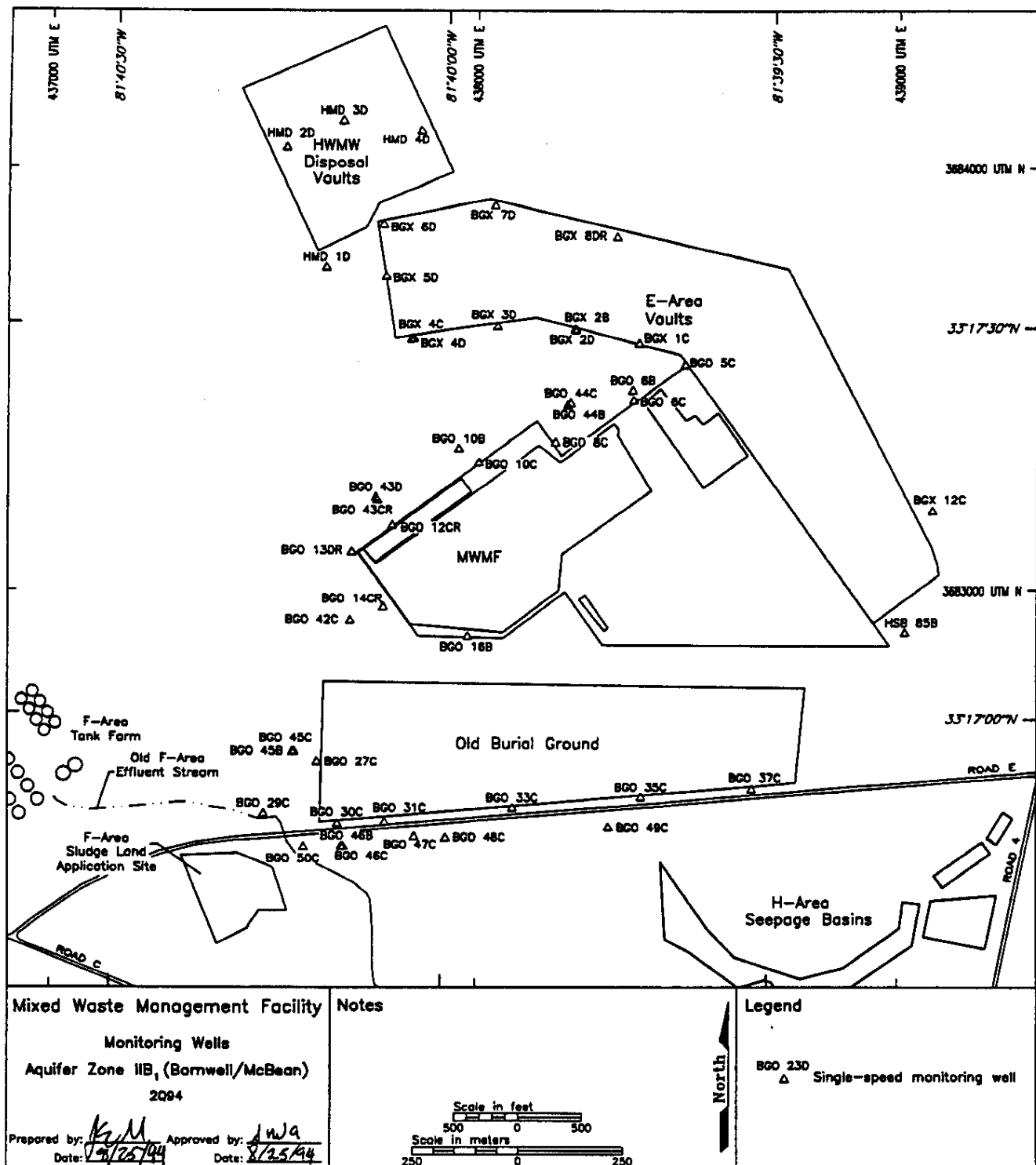


Figure 6. Location of Aquifer Zone IIB, (Barnwell/McBean) Wells at the Burial Ground Complex

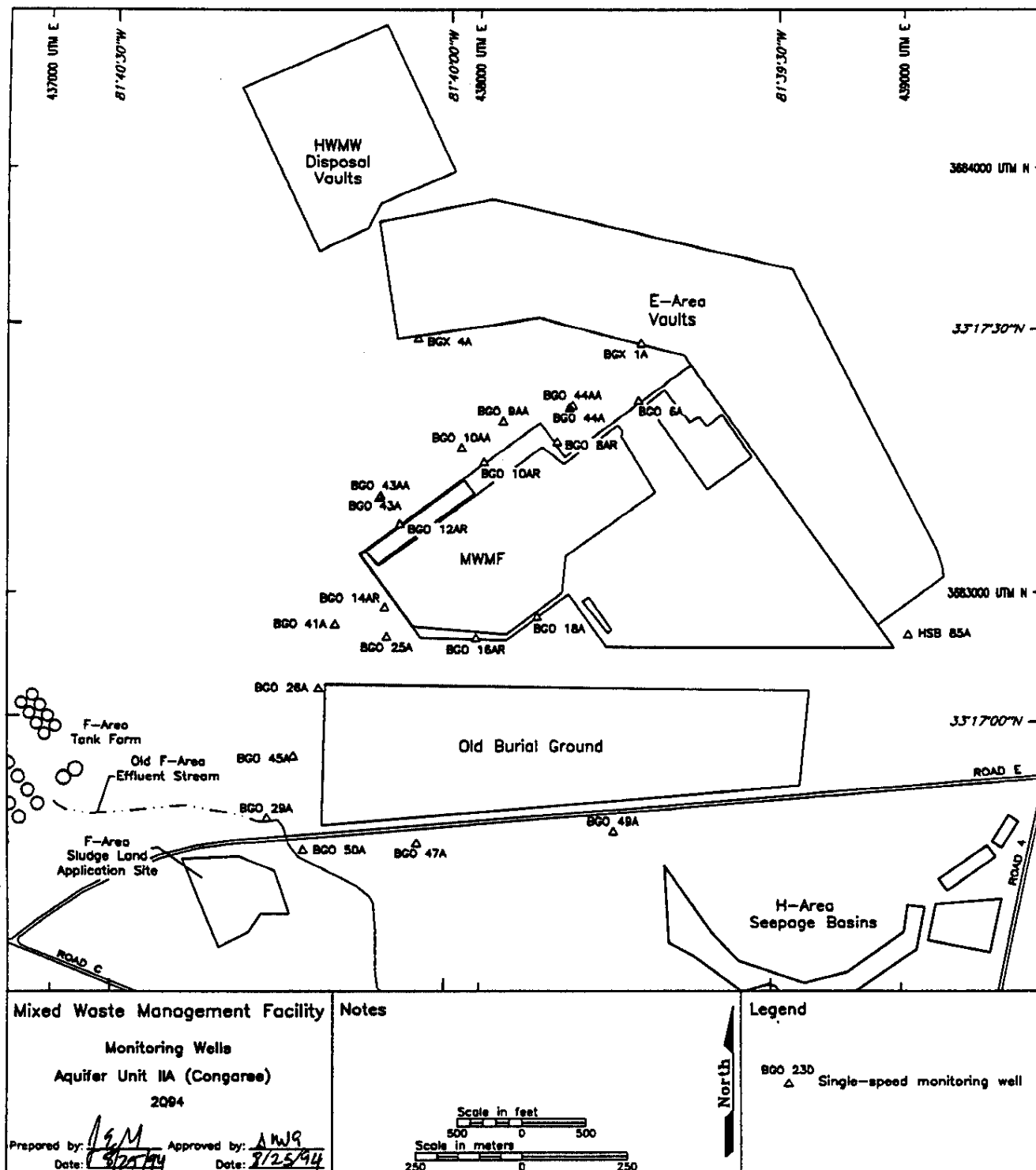


Figure 7. Location of Aquifer Unit IIA (Congaree) Wells at the Burial Ground Complex

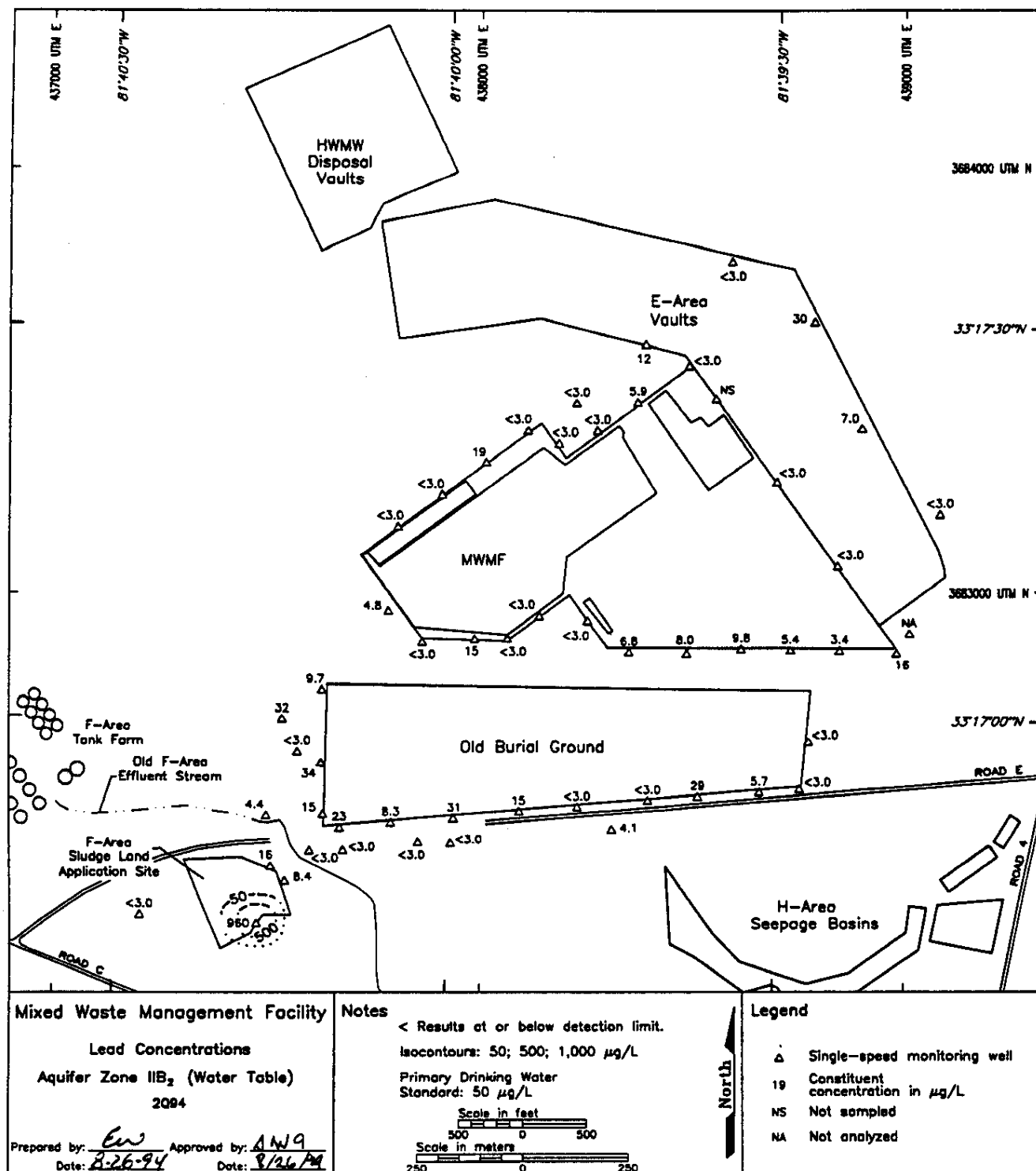


Figure 8. Lead Concentrations in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Second Quarter 1994

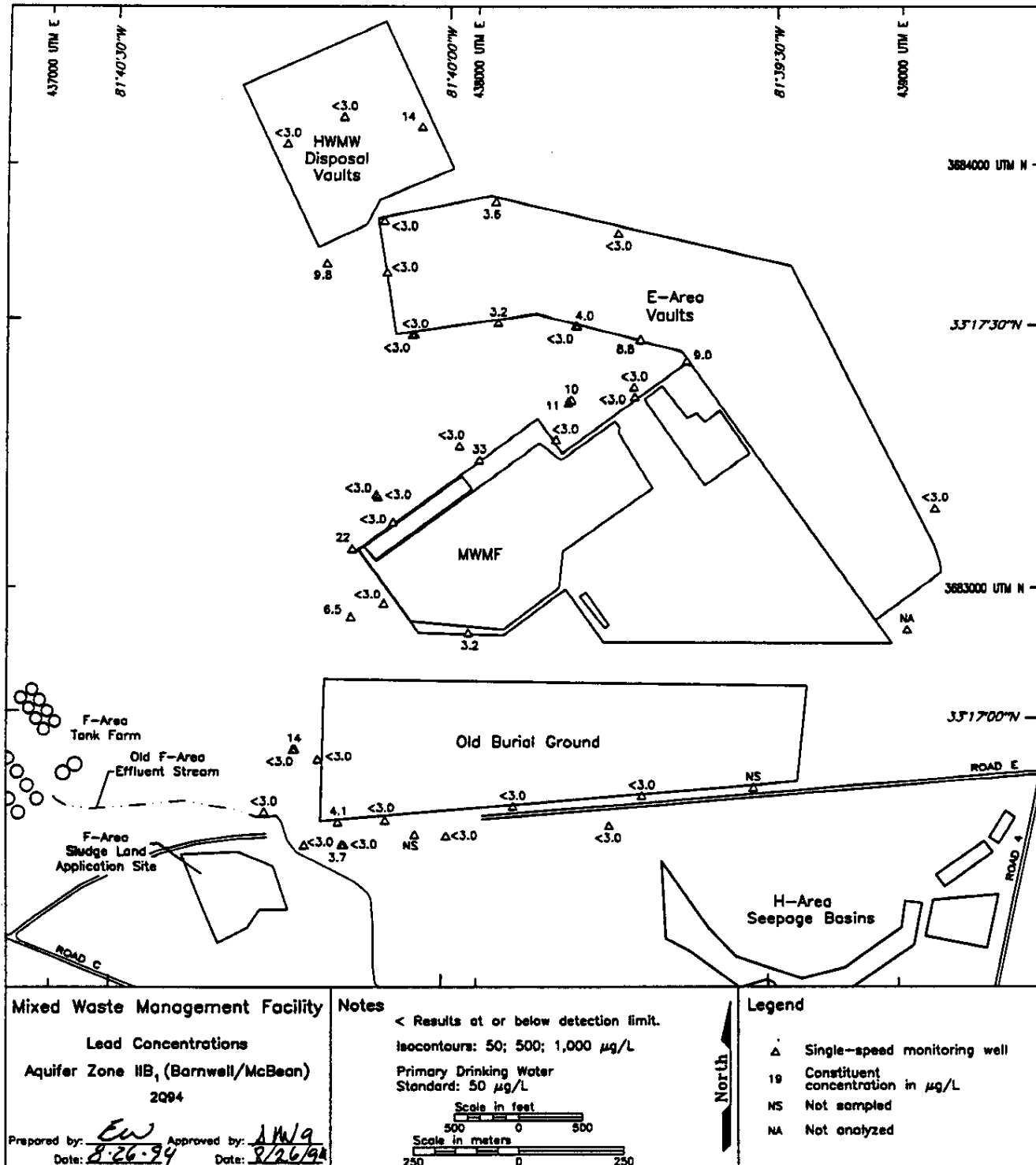


Figure 9. Lead Concentrations in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994

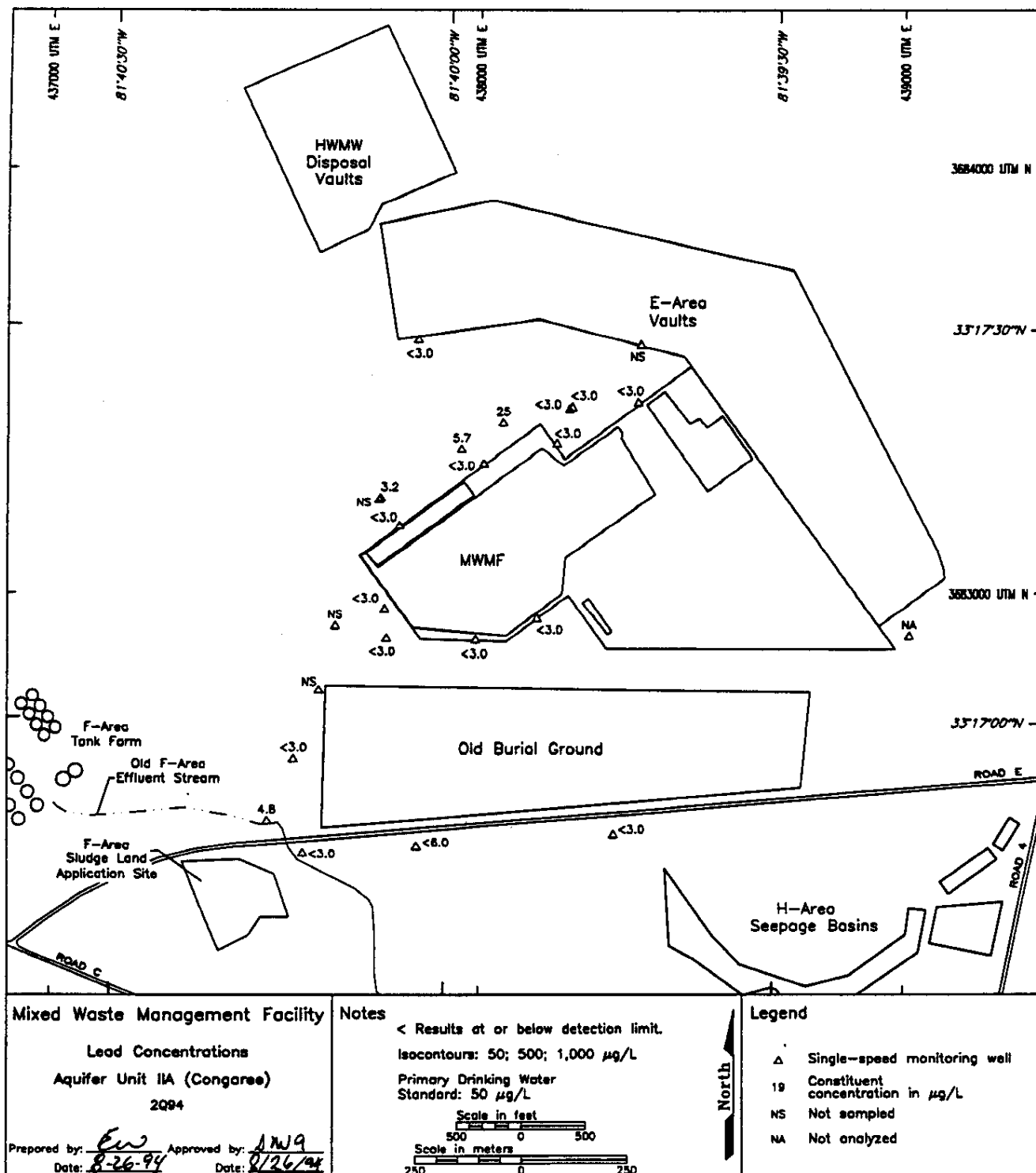


Figure 10. Lead Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994

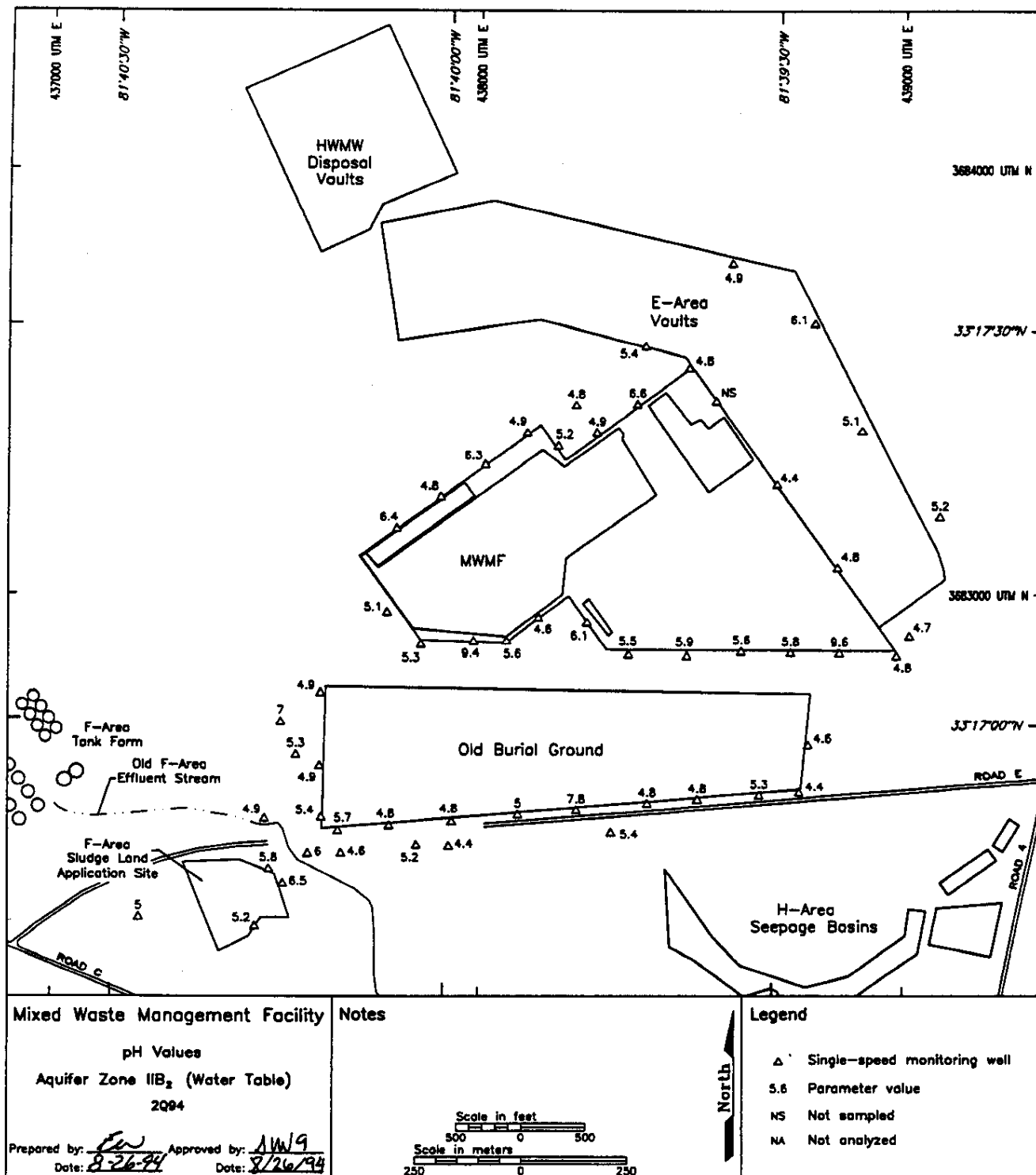


Figure 11. pH Values in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Second Quarter 1994

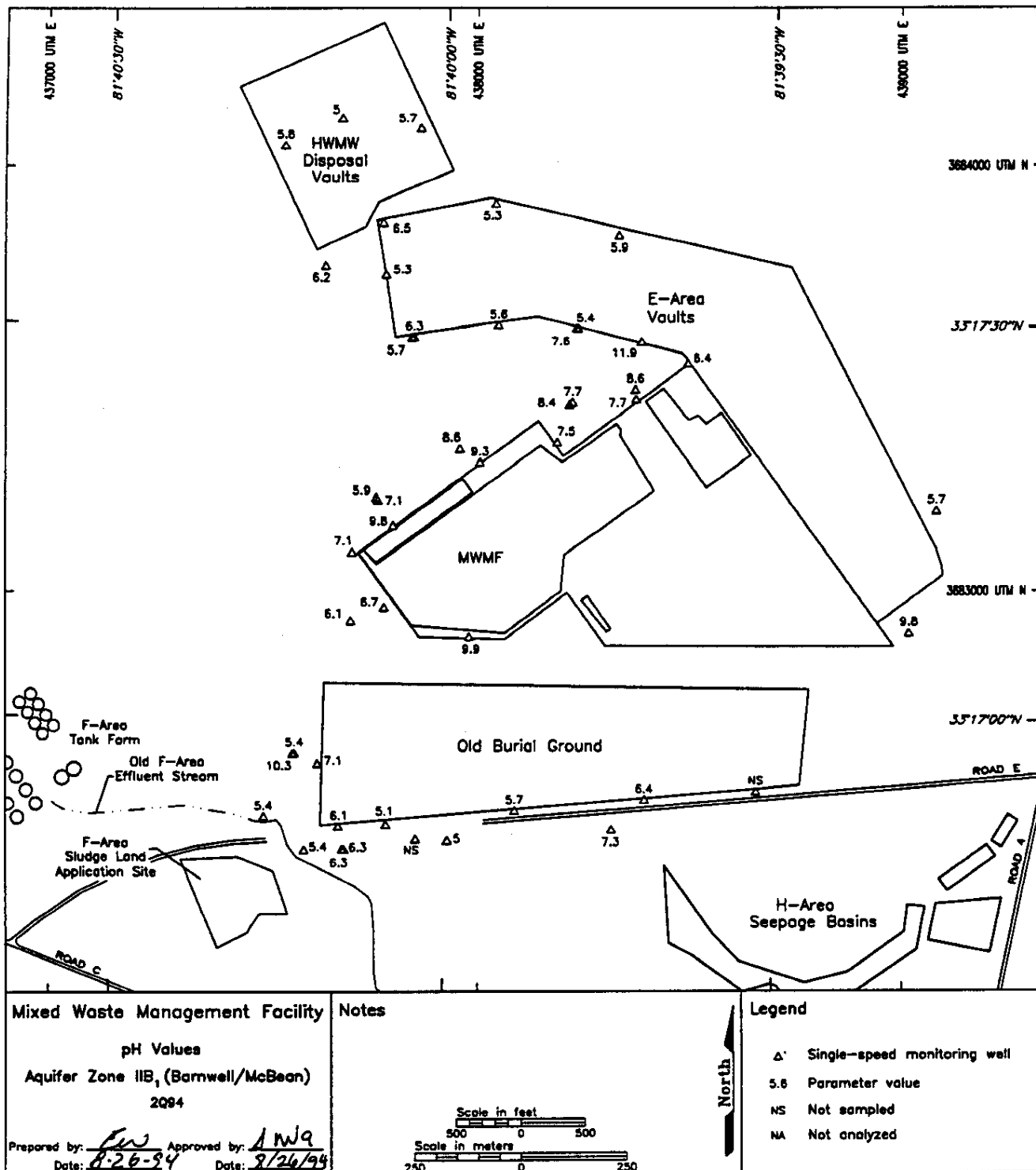


Figure 12. pH Values in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994

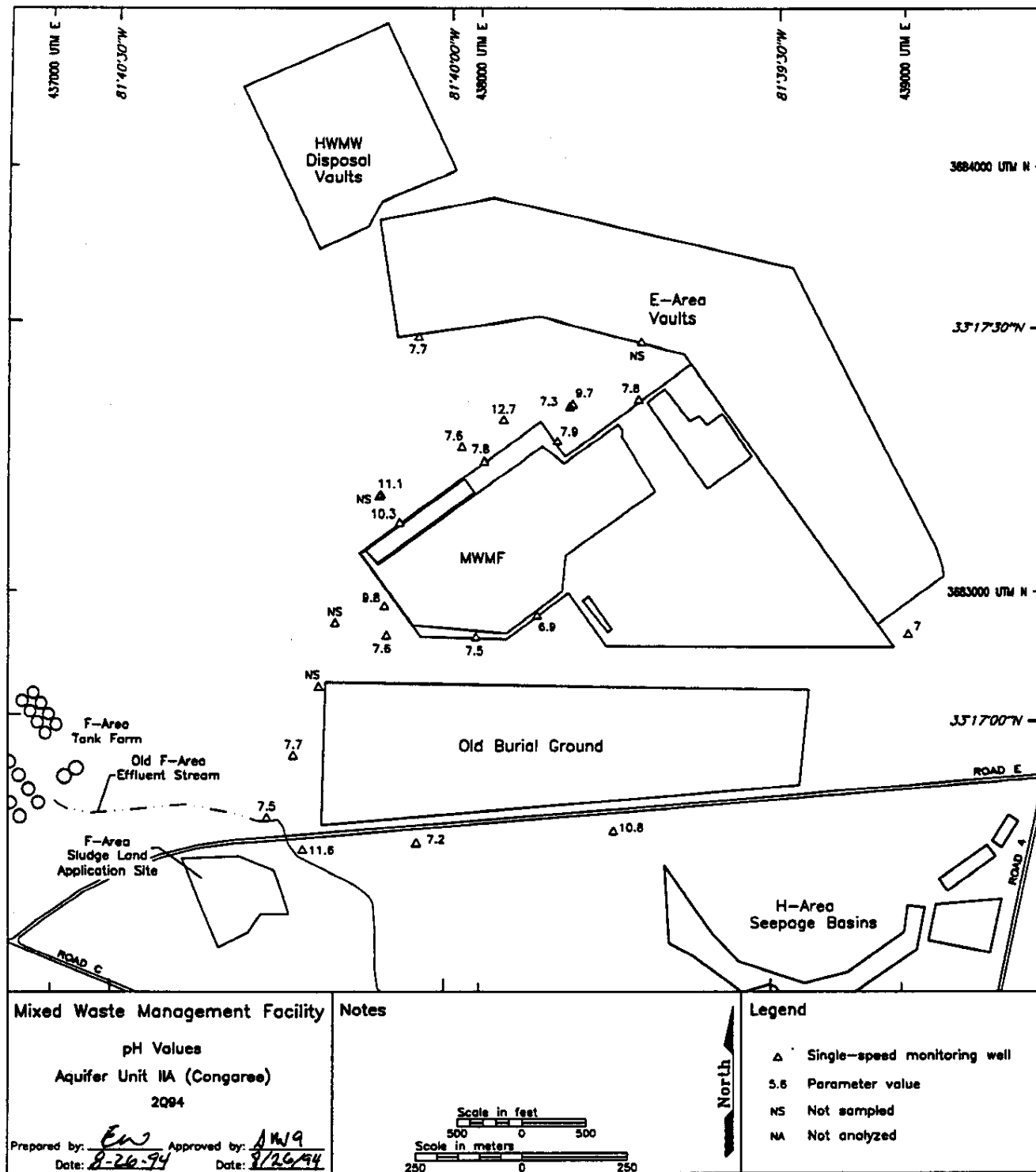


Figure 13. pH Values in Aquifer Zone IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994

**Mixed Waste Management Facility**

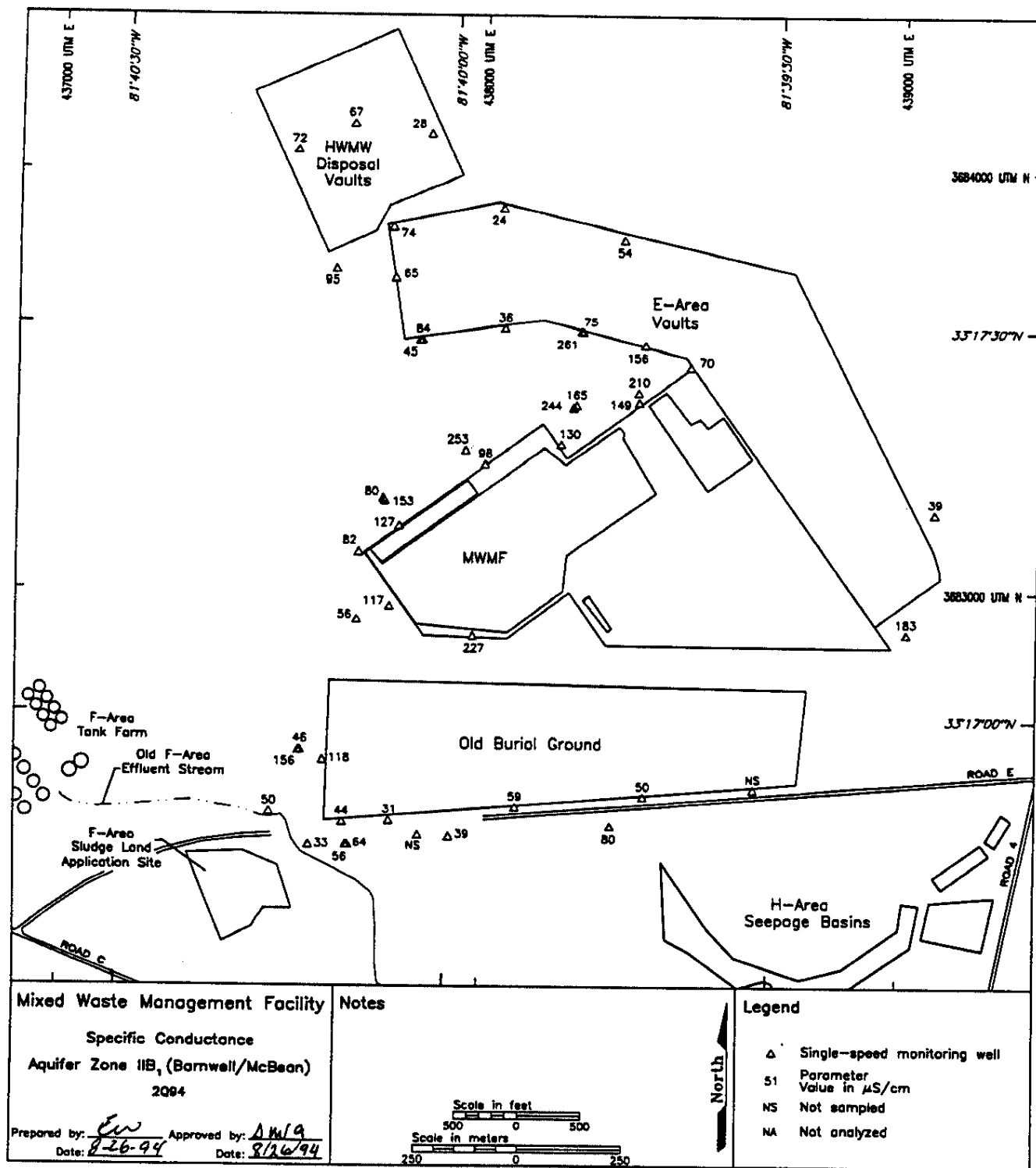


Figure 15. Specific Conductance in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994

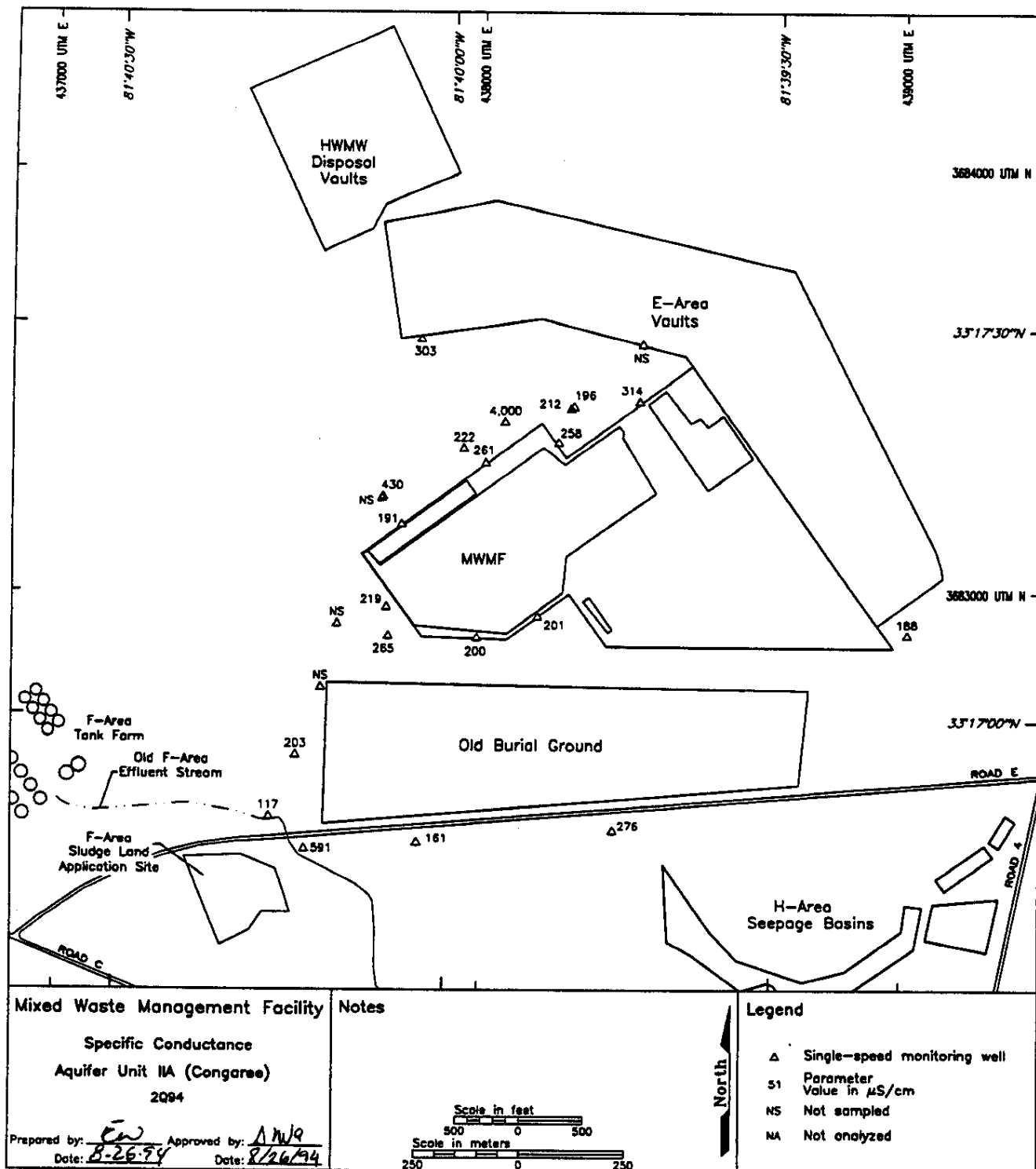


Figure 16. Specific Conductance in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994

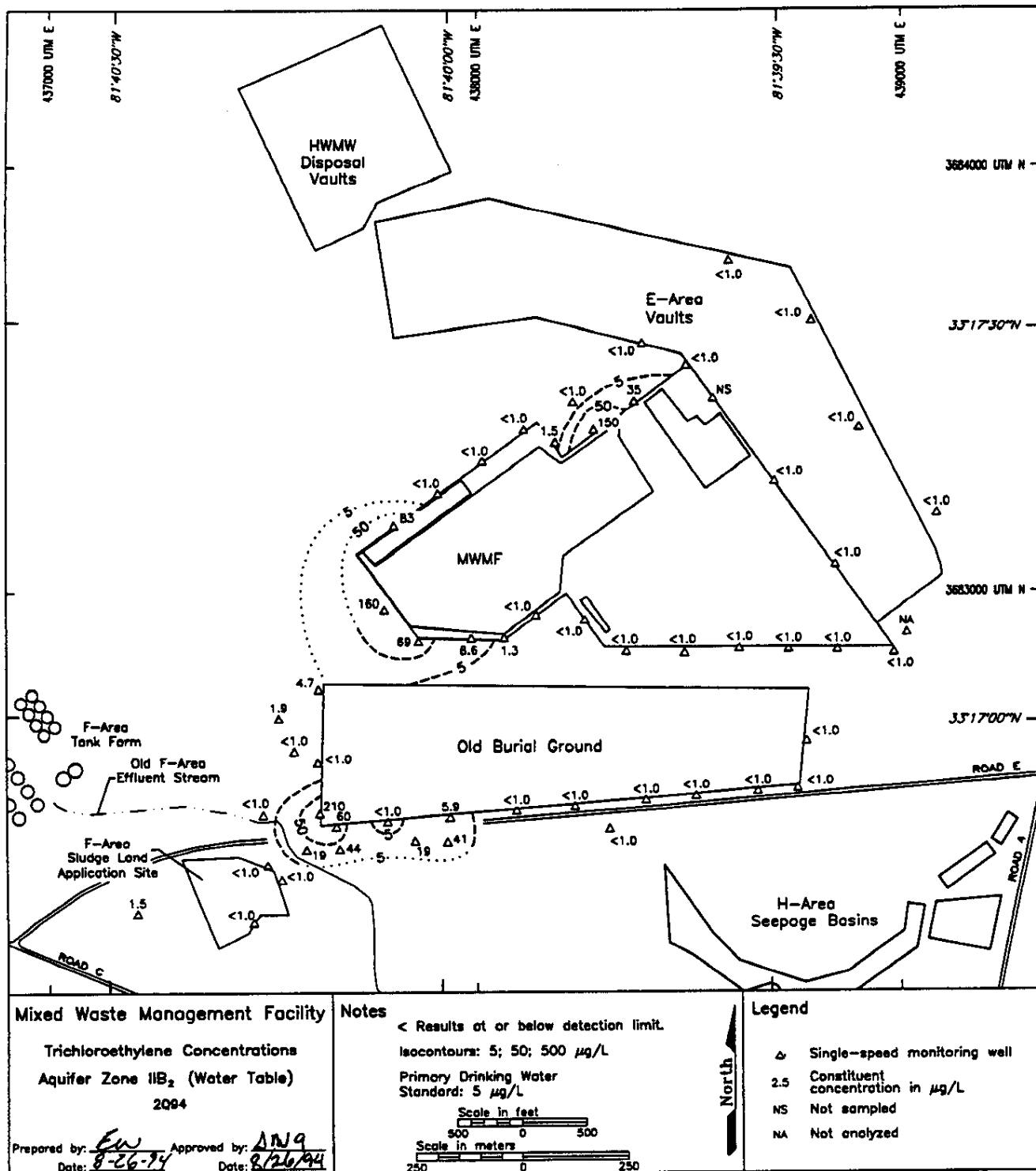


Figure 17. Trichloroethylene Concentrations in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Second Quarter 1994

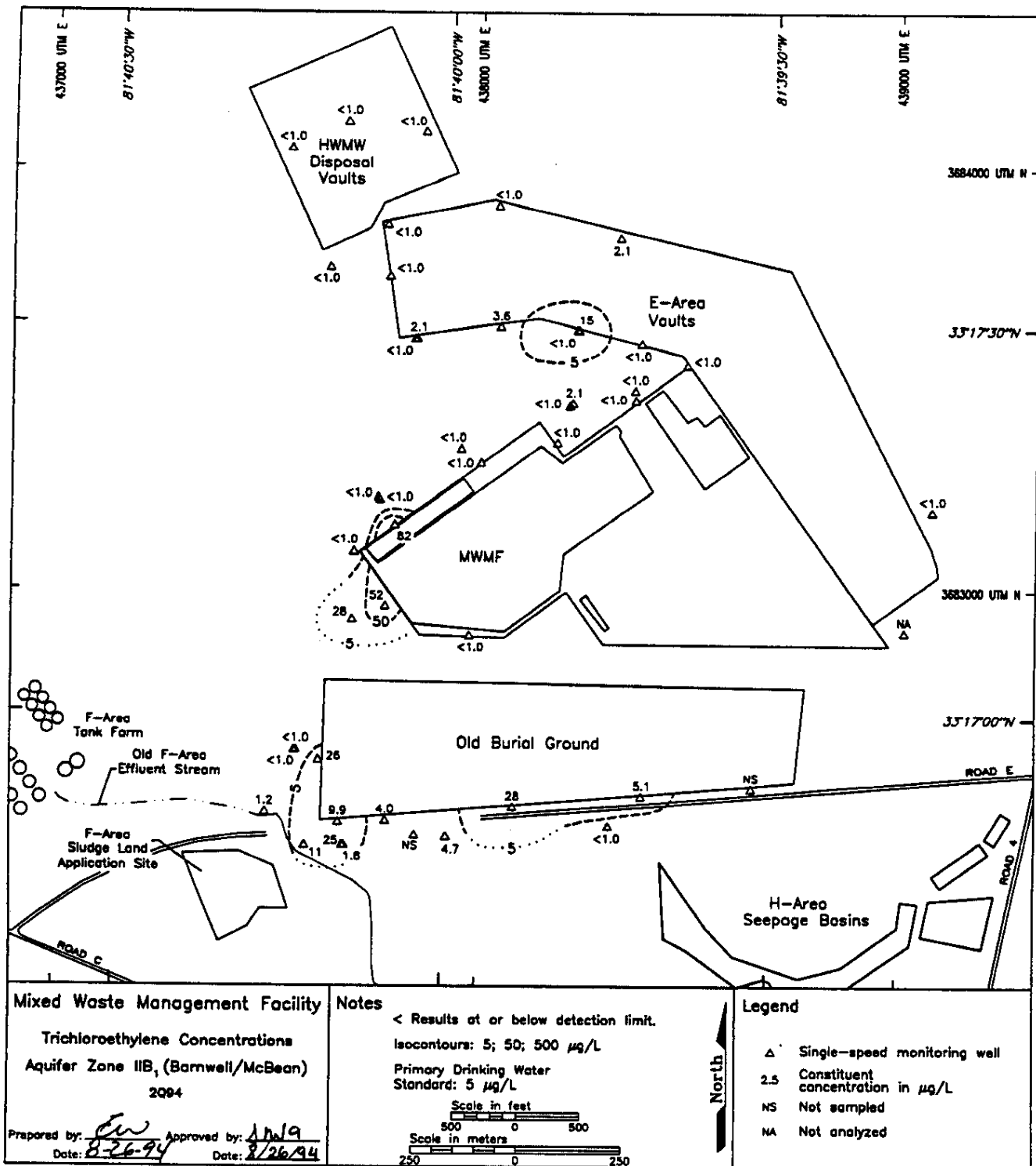


Figure 18. Trichloroethylene Concentrations in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994

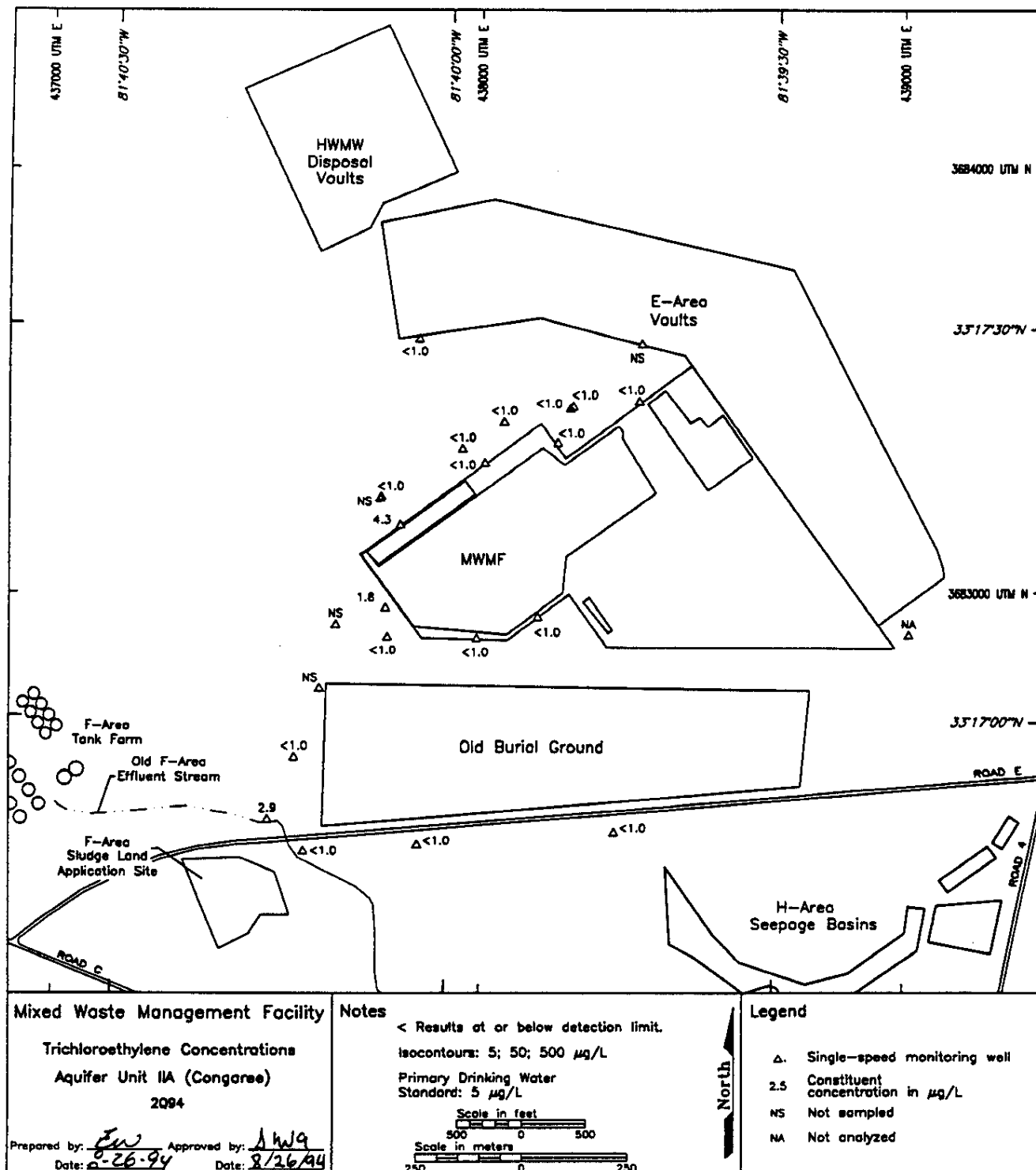


Figure 19. Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994

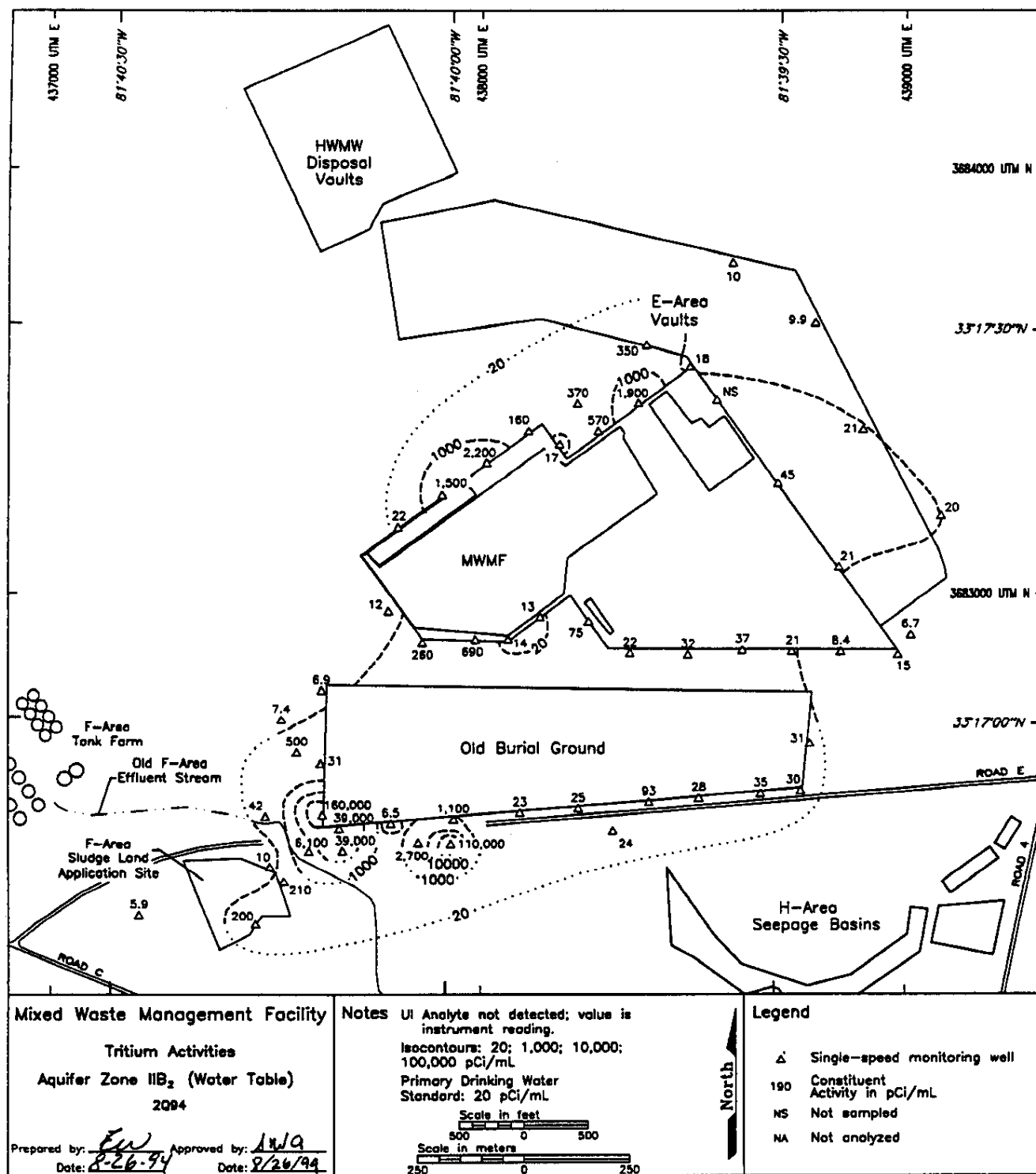


Figure 20. Tritium Activities in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Second Quarter 1994

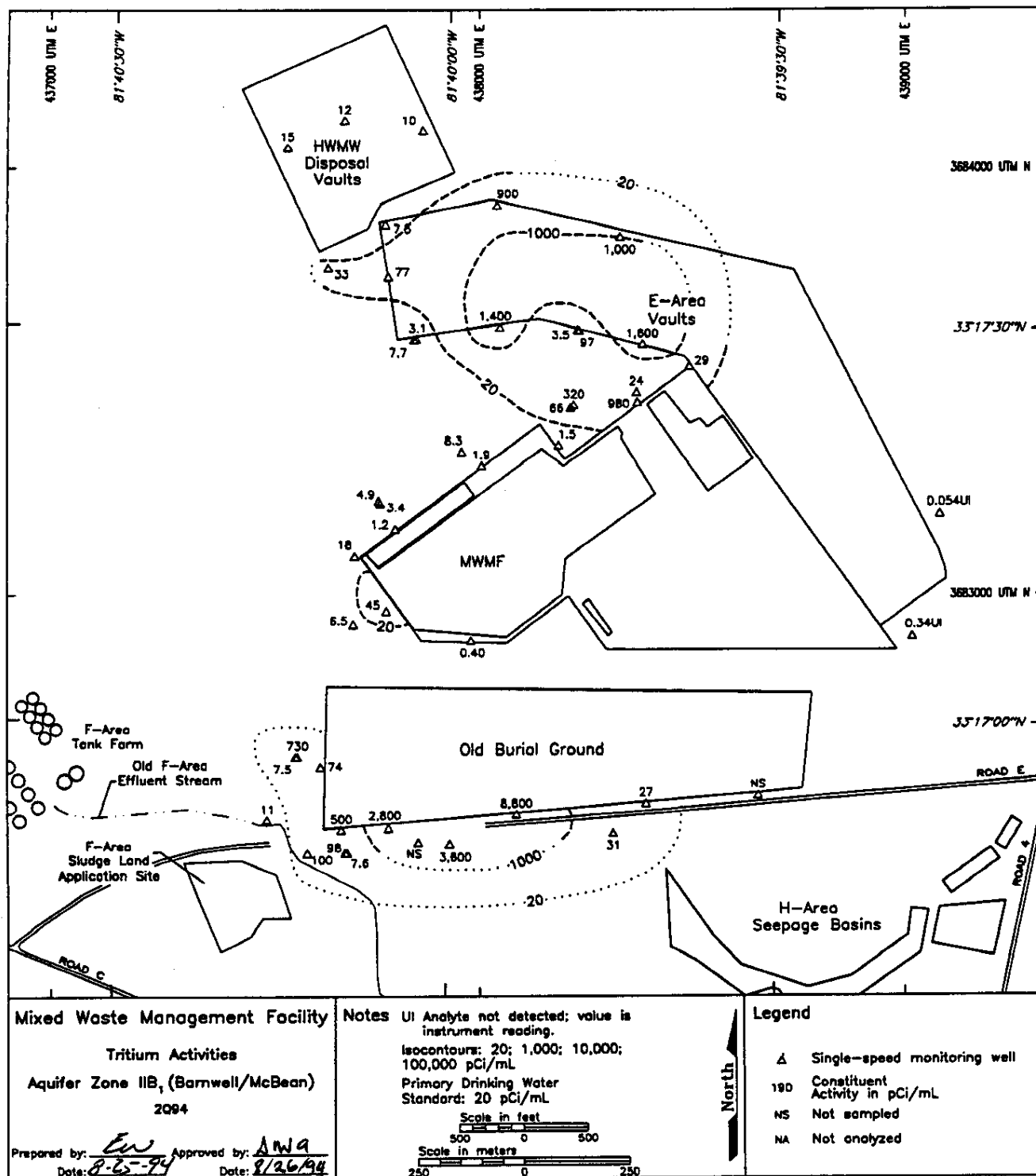


Figure 21. Tritium Activities in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, Second Quarter 1994

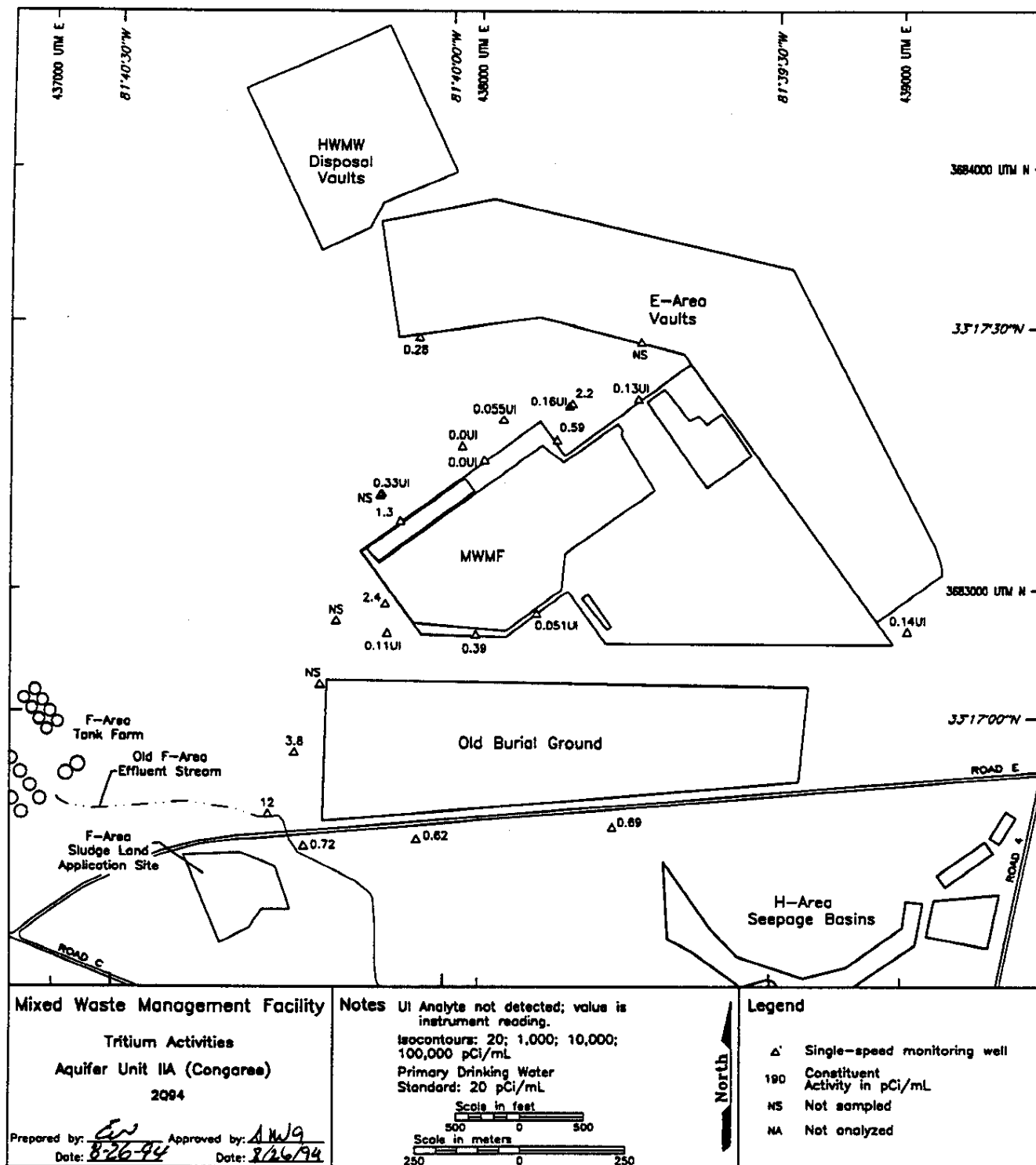


Figure 22. Tritium Activities in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Second Quarter 1994

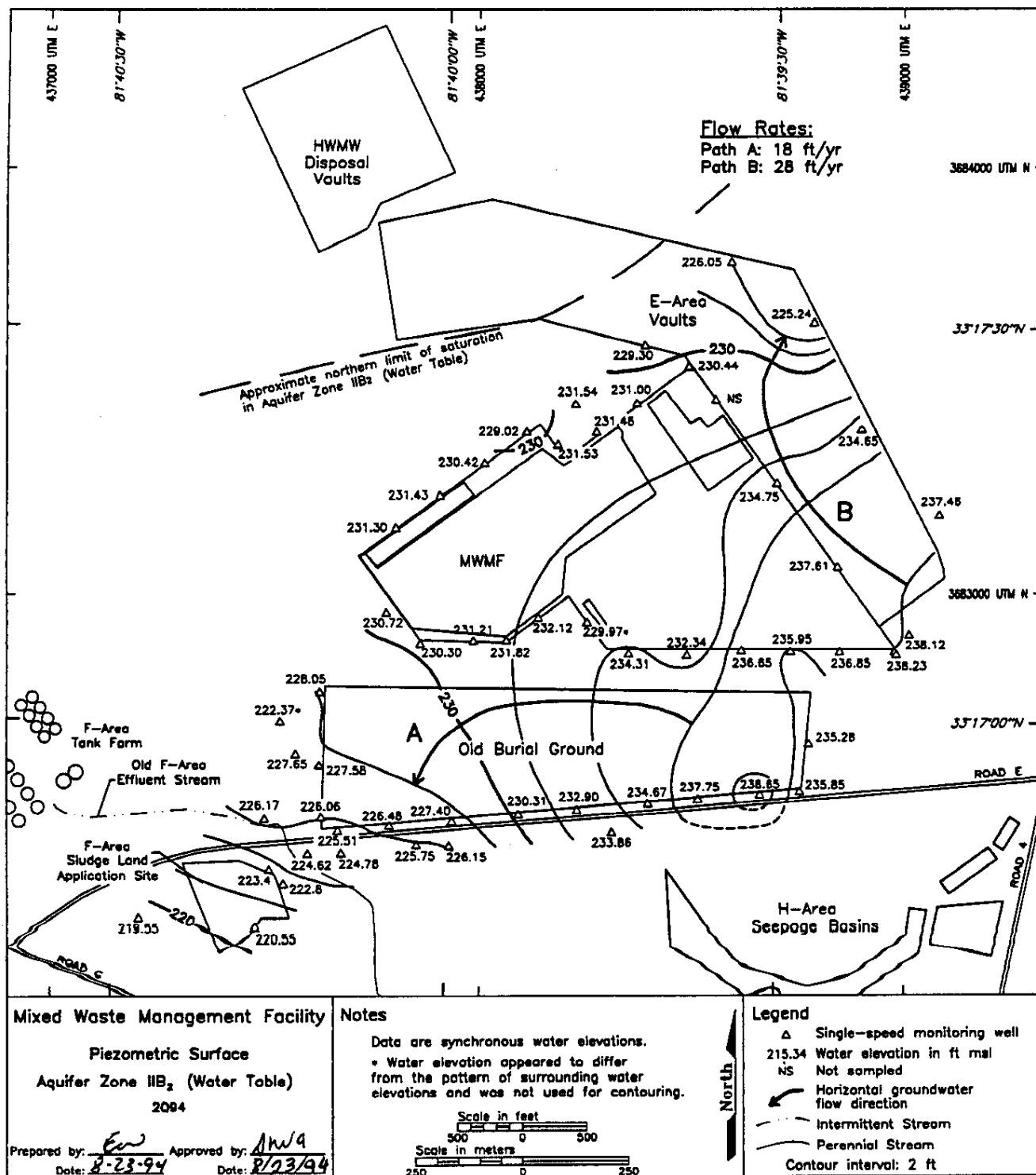


Figure 23. Piezometric Surface Map of Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex

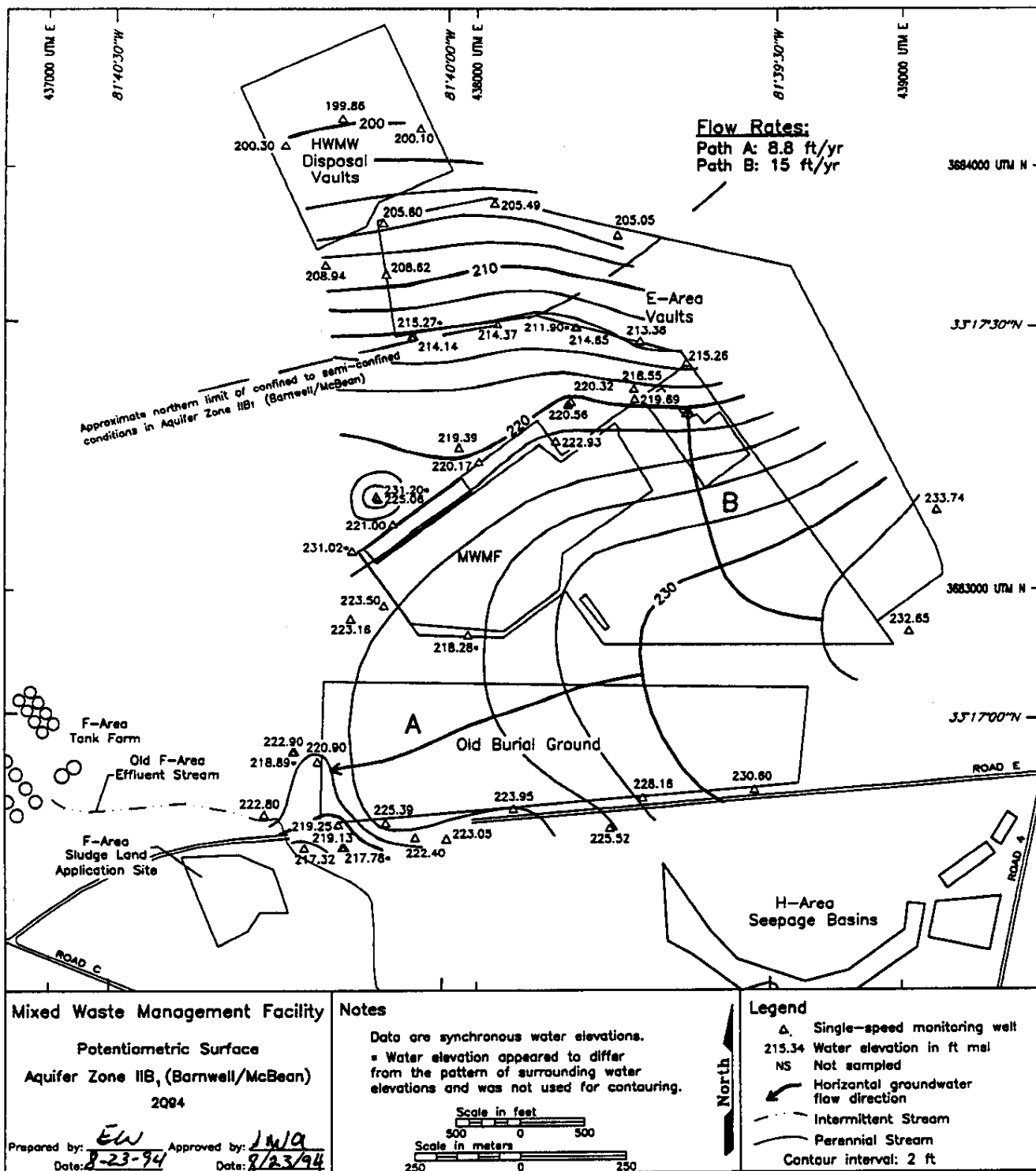


Figure 24. Potentiometric Surface Map of Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex

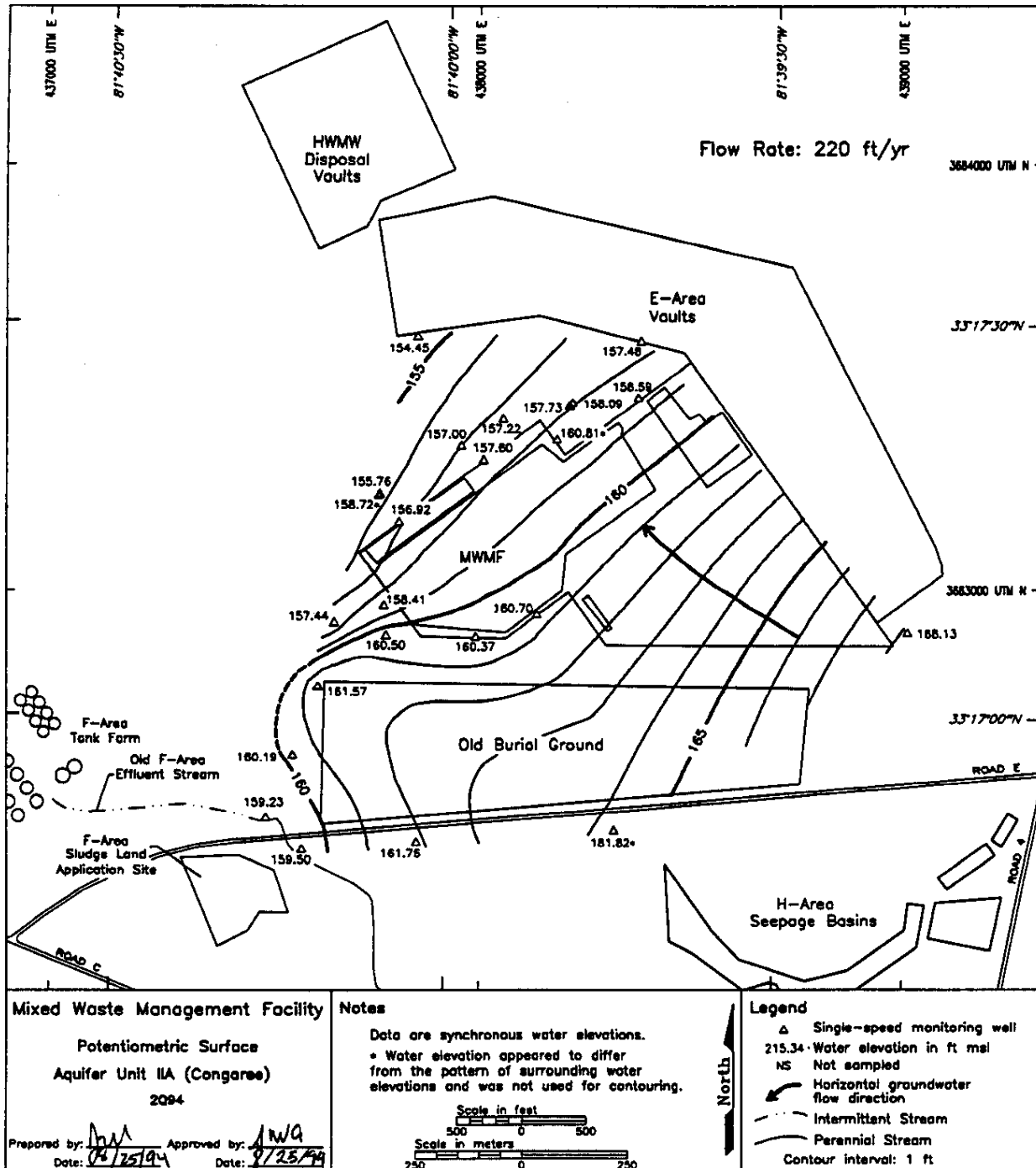


Figure 25. Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the Burial Ground Complex

References

Aadland, R. K., and H. W. Bledsoe, 1990. **Classification of Hydrostratigraphic Units at the Savannah River Site, South Carolina**, WSRC-RP-90-987. Westinghouse Savannah River Company, Savannah River Site, Aiken, SC.

Aucott, W. R., M. E. Davis, and G. K. Speiran, 1987. **Geohydrologic Framework of the Coastal Plain Aquifers of South Carolina**, U.S. Geological Survey Water-Resources Investigations Report 85-4271.

Du Pont (E. I. du Pont de Nemours & Company), 1989. **Final Safety Analysis Report of the Defense Waste Processing Facility**, DPSTSA-200-10. Savannah River Plant, Aiken, SC.

GeoTrans, Inc., 1988. **A Numerical Model of the Hydrogeological System Underlying the Savannah River Plant**, Final report submitted to Savannah River Laboratory. GeoTrans, Inc., Sterling, VA.

Siple, G. E., 1967. **Geology and Ground Water of the Savannah River Plant and Vicinity, South Carolina**. Geological Survey Water-Supply Paper 1841, Reston, VA.

Appendix D

Groundwater Monitoring Results Tables

THIS PAGE LEFT BLANK INTENTIONALLY.

Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

1,2,3,4,6,7,8-HPCDD	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
1,2,3,4,6,7,8-HPCDF	1,2,3,4,6,7,8-heptachlorodibenzo-p-furan
1,2,3,4,7,8-HXCDD	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
1,2,3,4,7,8-HXCDF	1,2,3,4,7,8-hexachlorodibenzo-p-furan
Lindane	gamma-benzene hexachloride
PCB	polychlorinated biphenyl
1,2,3,7,8-PCDD	1,2,3,7,8-pentachlorodibenzo-p-dioxin
1,2,3,7,8-PCDF	1,2,3,7,8-pentachlorodibenzo-p-furan
Sp. conductance	specific conductance
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzo-p-furan

Laboratories

CN	Clemson Technical Center, Inc.
EM	Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) Laboratory
GE and GP	General Engineering Laboratories
SC	Savannah River Technology Center
SP	Spencer Testing Services, Inc.
TM	TMA/Eberline
WA and WS	Roy F. Weston, Inc.

Sampling Codes

B	blank sample was collected
C	well was pumping continuously
D	well was dry
E	equipment blank was collected
I	well went dry during sampling; insufficient water to collect all samples
L	well went dry before sampling began; only depth to water can be determined
P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe; for water level events only
X	well went dry during purging; samples collected after well recovered

Sampling Methods

B	sample collected using an open-bucket bailer
P	sample collected using a bladder pump
S	sample collected using a single-speed centrifugal downhole pump
V	sample collected using a variable-speed pump

Units

E	exponential notation (e.g., $1.1\text{E}-09 = 1.1 \times 10^{-9} = 0.0000000011$)
mg/L	milligrams per liter
msl	mean sea level
MSL	million structures per liter
NTU	turbidity unit
pCi/L	picocuries per liter
pCi/mL	picocuries per milliliter
pH	pH unit
$\mu\text{g/L}$	micrograms per liter
$\mu\text{S/cm}$	microsiemens per centimeter

Other

CS	carbon steel
D	exceeded final Primary Drinking Water Standard (PDWS) or screening level column in data tables
DF	dilution factor column in data tables
GS	groundwater protection standard column in data tables
H	holding time column in data tables
Mod	modifier column in data tables
PDWS	primary drinking water standard
PVC	polyvinyl chloride
TOC	top of casing

Holding Times

Standard analytical methods include a limit, called holding time, on the maximum elapsed time between sample collection and extraction or analysis by the laboratory. In the data tables, a large bullet (•) in the *H* (holding time) column indicates that holding time was exceeded. Analyses performed beyond holding times may not yield valid results.

The South Carolina Department of Health and Environmental Control allows only 15 minutes to elapse between sampling and analysis for pH. Thus, only field pH measurements can meet the holding time criterion; laboratory pH analyses always will exceed it.

The laboratory procedure used for the determination of specific conductance allows one day to elapse between sampling and analysis. Thus, laboratory specific conductance measurements may exceed the holding time criterion.

Data Rounding

Constituent results in analytical results tables that appear to equal the final PDWS but are not marked in the *D* (exceeded the final PDWS or screening level) column are below the final PDWS in the database. Values stored in the database contain more significant digits than the reported results. Apparent discrepancies in the tables are due to the rounding of reported results.

Data Qualification

The contract laboratories continually assess their own accuracy and precision according to U.S. Environmental Protection Agency (EPA) guidelines. They submit sample- or batch-specific quality assurance/quality control information either at the same time as analytical results or in a quarterly summary. Properly defined and used result modifiers (also referred to as qualifiers) can be a key component in assessing data useability. Result modifiers designed by the Environmental Protection Department/Environmental Monitoring Section and provided to the primary laboratories are defined below. These modifiers appear in the data tables under the column *Mod*. The lettered modifiers are based on EPA's STORET codes.

Result modifier

(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
J	Value is estimated because quantitation in the sample or in associated quality control samples did not meet specifications.
I	The value in the result field is the instrument reading, not the sample quantification limit. Always used with the result qualifier <i>U</i> .
L	Value is off-scale high. The actual value is not known but is known to be greater than the value shown.
M	Presence of the analyte is verified but not quantified.
R	Result was rejected because performance requirements in the sample analysis or associated quality control analyses were not met.
T	Analyte was not detected; if present, it was below the criteria for detection.
U	Material analyzed for but not detected. Analytical result reported is less than the sample quantitation limit.
V	Analyte was detected in an associated method blank.
Y	Result was obtained from an unpreserved or improperly preserved sample. Data may not be accurate.
1	Result may be an underestimation of the true value due to analytical bias.
2	Result may be an overestimation of the true value due to analytical bias.
3	The associated result may be of poor precision (high variability) due to analytical bias.
4	Result is associated with QA results indicating matrix interference.
6	The associated result is from a reanalysis performed out of holding time due to problems with an earlier analysis.

Table 1. Maximum Levels of Constituents Exceeding the Final Primary Drinking Water Standards

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>Mod</u>
BGO 2D	Tritium	pCi/mL	— ^a	2.0E+01	2.1E+01	2.1E+01	
BGO 3D	Tritium	pCi/mL	4.0E+01	3.9E+01	3.7E+01	4.5E+01	
BGO 5D	Tritium	pCi/mL	2.7E+01	—	2.4E+01	—	
BGO 6D	Tetrachloroethylene	µg/L	5.2	—	—	—	
	Trichloroethylene	µg/L	40	23	23	35	
	Tritium	pCi/mL	1.4E+03	1.2E+03	1.0E+03	1.9E+03	
BGO 7D	Dichloromethane	µg/L	13	—	—	—	
	Tetrachloroethylene	µg/L	—	7.0	13	9.8	
	Trichloroethylene	µg/L	55	98	175	153	
	Tritium	pCi/mL	1.6E+02	5.2E+02	6.5E+02	5.7E+02	
BGO 8D	Tritium	pCi/mL	2.9E+01	—	—	—	
BGO 9D	Tritium	pCi/mL	2.7E+02	2.1E+02	2.4E+02	1.6E+02	
BGO 10DR	Tritium	pCi/mL	8.6E+02	6.7E+02	1.0E+03	2.2E+03	
BGO 11D	Tritium	pCi/mL	1.4E+03	1.5E+03	1.7E+03	1.5E+03	
BGO 12D	Dichloromethane	µg/L	15	—	—	—	
	Trichloroethylene	µg/L	139	100	127	83	
	Tritium	pCi/mL	2.6E+01	3.1E+01	2.9E+01	2.2E+01	
BGO 14DR	Dichloromethane	µg/L	—	6.6	—	—	
	Trichloroethylene	µg/L	86	252	61	162	
BGO 15D	Tetrachloroethylene	µg/L	8.2	5.0	—	5.8	
	Trichloroethylene	µg/L	105	54	67	69	
	Tritium	pCi/mL	4.6E+02	3.2E+02	2.7E+02	2.6E+02	
BGO 16D	Trichloroethylene	µg/L	16	10	22	8.6	
	Tritium	pCi/mL	1.1E+03	6.9E+02	6.3E+02	6.9E+02	
BGO 19D	Tritium	pCi/mL	NA ^b	4.0E+01	5.6E+01	7.5E+01	
BGO 20D	Tritium	pCi/mL	2.1E+01	2.2E+01	2.3E+01	2.2E+01	
BGO 21D	Tritium	pCi/mL	3.1E+01	3.2E+01	3.0E+01	3.2E+01	
BGO 22DR	Tritium	pCi/mL	4.6E+01	4.4E+01	4.2E+01	3.7E+01	
BGO 23D	Tritium	pCi/mL	2.3E+01	2.4E+01	2.0E+01	2.1E+01	
BGO 26D	Lead	µg/L	—	73	—	—	

Aquifer Zone IIB₂ (Water Table)

Well	Constituent	Unit	3Q93	4Q93	1Q94	2Q94	Mod
BGO 27D	Tritium	pCi/mL	7.5E+01	4.1E+01	2.5E+01	3.1E+01	
BGO 28D	Chloroethene	µg/L	118	60	140	96	Y
	Dichloromethane	µg/L	—	48	—	—	
	Trichloroethylene	µg/L	241	234	190	208	
	Tritium	pCi/mL	1.4E+05	1.3E+05	1.2E+05	1.6E+05	
BGO 29D	Tritium	pCi/mL	—	—	—	4.2E+01	
BGO 30D	Chloroethene	µg/L	4.3	6.3	7.8	5.5	
	1,1-Dichloroethylene	µg/L	17	24	19	13	
	Trichloroethylene	µg/L	61	58	81	60	
	Tritium	pCi/mL	2.6E+04	4.1E+04	4.5E+04	3.9E+04	
BGO 31D	Tritium	pCi/mL	1.1E+02	1.5E+02	3.0E+01	—	
BGO 32D	Gross alpha	pCi/L	—	—	—	1.5E+01	
	Tetrachloroethylene	µg/L	—	—	5.3	6.9	
	Trichloroethylene	µg/L	—	—	5.1	5.9	
	Tritium	pCi/mL	1.6E+02	1.7E+02	6.2E+02	1.1E+03	
BGO 33D	Tritium	pCi/mL	—	2.1E+01	2.1E+01	2.3E+01	
BGO 34D	Tritium	pCi/mL	2.2E+01	2.5E+01	2.3E+01	2.5E+01	
BGO 35D	Tritium	pCi/mL	7.7E+01	1.2E+02	1.0E+02	9.3E+01	
BGO 36D	Tritium	pCi/mL	2.6E+01	2.6E+01	2.5E+01	2.8E+01	
BGO 37D	Tritium	pCi/mL	2.9E+01	3.0E+01	3.0E+01	3.5E+01	
BGO 38D	Tritium	pCi/mL	2.8E+01	2.8E+01	2.6E+01	3.0E+01	
BGO 39D	Tritium	pCi/mL	2.7E+01	2.9E+01	2.9E+01	3.1E+01	
BGO 44D	Tritium	pCi/mL	4.7E+02	4.1E+02	—	3.7E+02	
BGO 45D	Tritium	pCi/mL	1.3E+02	1.6E+02	4.3E+02	5.0E+02	
BGO 46D	Chloroethene	µg/L	9.5	17	—	3.6	
	1,1-Dichloroethylene	µg/L	—	8.3	—	—	
	Dichloromethane	µg/L	—	20	—	—	
	Tetrachloroethylene	µg/L	19	17	6.0	8.3	
	Trichloroethylene	µg/L	69	76	48	44	
	Tritium	pCi/mL	4.5E+04	4.1E+04	—	3.9E+04	
BGO 47D	Trichloroethylene	µg/L	12	6.8	13	19	
	Tritium	pCi/mL	2.8E+03	9.3E+02	—	2.7E+03	

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>Mod</u>
BGO 48D	Carbon tetrachloride	µg/L	—	5.5	—	—	
	Tetrachloroethylene	µg/L	29	304	68	68	
	Trichloroethylene	µg/L	125	300	36	41	
	Tritium	pCi/mL	4.8E+04	8.8E+04	—	1.1E+05	
BGO 49D	Tritium	pCi/mL	2.1E+01	2.1E+01	2.1E+01	2.4E+01	
BGO 50D	Trichloroethylene	µg/L	17	11	12	19	
	Tritium	pCi/mL	4.5E+03	3.1E+03	—	6.1E+03	
BGX 1D	Tritium	pCi/mL	3.3E+02	3.5E+02	—	3.5E+02	
BGX 10D	Lead	µg/L	59	53	—	—	
BGX 11D	Tritium	pCi/mL	—	—	—	2.1E+01	
BGX 12D	Tritium	pCi/mL	—	—	—	2.0E+01	
FSS 1D	Copper	µg/L	NA	NA	1,400	—	
	Lead	µg/L	58	NA	119	—	
FSS 2D	Tritium	pCi/mL	7.7E+01	NA	1.8E+02	2.1E+02	
FSS 3D	Lead	µg/L	329	NA	—	956	
	Tritium	pCi/mL	4.3E+01	NA	9.7E+01	2.0E+02	

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>Mod</u>
BGO 5C	Tritium	pCi/mL	2.5E+01	2.5E+01	2.9E+01	2.9E+01	
BGO 6B	Tritium	pCi/mL	—	2.5E+01	2.1E+01	2.4E+01	
BGO 6C	Tritium	pCi/mL	9.2E+02	8.8E+02	8.9E+02	9.8E+02	
BGO 10B	Tritium	pCi/mL	1.9E+02	7.8E+01	1.1E+02	—	
BGO 10C	Tritium	pCi/mL	1.4E+02	—	1.1E+02	—	
BGO 12CR	Trichloroethylene	µg/L	81	71	79	82	
BGO 13DR	Tritium	pCi/mL	2.6E+01	2.1E+01	—	—	
BGO 14CR	Trichloroethylene	µg/L	52	45	56	52	
	Tritium	pCi/mL	3.4E+01	3.0E+01	3.0E+01	4.5E+01	
BGO 27C	Trichloroethylene	µg/L	25	21	22	26	
	Tritium	pCi/mL	7.8E+01	6.5E+01	6.6E+01	7.4E+01	

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>Mod</u>
BGO 29C	Tritium	pCi/mL	1.2E+02	1.5E+02	1.9E+02	—	
BGO 30C	Trichloroethylene	µg/L	11	11	11	9.9	
	Tritium	pCi/mL	6.2E+02	7.3E+02	6.2E+02	5.0E+02	
BGO 31C	Tritium	pCi/mL	2.4E+03	3.4E+03	3.1E+03	2.8E+03	
BGO 33C	Mercury	µg/L	2.2	2.4	2.8	—	
	Tetrachloroethylene	µg/L	—	—	5.1	5.2	
	Trichloroethylene	µg/L	28	22	26	28	
	Tritium	pCi/mL	8.2E+03	8.0E+03	8.2E+03	8.8E+03	
BGO 35C	Trichloroethylene	µg/L	—	—	—	5.1	
	Tritium	pCi/mL	—	—	—	2.7E+01	
BGO 42C	Dichloromethane	µg/L	—	10	—	—	
	Trichloroethylene	µg/L	61	47	36	28	
BGO 44B	Lead	µg/L	—	—	55	—	
	Tritium	pCi/mL	4.7E+02	2.8E+02	—	6.6E+01	
BGO 44C	Tritium	pCi/mL	4.1E+02	2.9E+02	—	3.2E+02	
BGO 45C	Tritium	pCi/mL	6.9E+02	7.5E+02	7.4E+02	7.3E+02	
BGO 46B	Tritium	pCi/mL	2.2E+01	4.0E+01	—	—	
BGO 46C	Trichloroethylene	µg/L	26	22	24	25	
	Tritium	pCi/mL	7.9E+01	9.0E+01	—	9.8E+01	
BGO 48C	Trichloroethylene	µg/L	—	5.5	—	—	
	Tritium	pCi/mL	3.1E+03	3.2E+03	—	3.6E+03	
BGO 49C	Tritium	pCi/mL	2.6E+01	3.5E+01	2.5E+01	3.1E+01	
BGO 50C	Trichloroethylene	µg/L	12	—	—	11	
	Tritium	pCi/mL	7.9E+01	8.5E+01	—	1.0E+02	
BGX 1C	Tritium	pCi/mL	8.7E+02	1.2E+03	1.5E+03	1.6E+03	
BGX 2D	Trichloroethylene	µg/L	12	12	13	15	
	Tritium	pCi/mL	8.7E+01	8.6E+01	—	9.7E+01	
BGX 3D	Trichloroethylene	µg/L	—	—	36	—	
	Tritium	pCi/mL	1.2E+03	1.2E+03	1.3E+03	1.4E+03	
BGX 5D	Nonvolatile beta	pCi/L	—	—	1.5E+02	—	
	Tritium	pCi/mL	5.3E+01	6.1E+01	7.1E+01	7.7E+01	
BGX 7D	Tritium	pCi/mL	1.6E+03	1.4E+03	—	9.0E+02	
BGX 8DR	Tritium	pCi/mL	9.2E+02	9.7E+02	—	1.0E+03	

Aquifer Zone IIB, (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>Mod</u>
HMD 1D	Tritium	pCi/mL	–	3.1E+01	3.7E+01	3.3E+01	
HMD 4D	Lead	µg/L	–	53	–	–	

Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>Mod</u>
BGO 9AA	Nonvolatile beta	pCi/L	–	–	7.8E+01	–	
BGO 12AR	Trichloroethylene	µg/L	–	5.2	–	–	
BGO 50A	Chloroform	µg/L	–	191	–	–	

Notes: The groundwater samples are unfiltered. Thus, the results for metals are for total recoverable metals.
The modifier column applies to second quarter 1994 results only.

^a – = analyzed but not above final PDWS.

^b NA = not analyzed or result was rejected because performance requirements in the sample analysis or associated quality control analyses were not met.

Table 2. Maximum Levels of Constituents Exceeding Other Flag 2 Criteria

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q94</u>	<u>Mod</u>
BGO 1D	Aluminum	µg/L	297	
BGO 2D	Aluminum	µg/L	70	
BGO 3D	Aluminum	µg/L	199	
BGO 5D	Aluminum	µg/L	78	
BGO 6D	Aluminum	µg/L	277	
BGO 7D	Total organic halogens	µg/L	82	
BGO 10DR	Iron	µg/L	322	
BGO 14DR	Total organic halogens	µg/L	91	
BGO 15D	Total organic halogens	µg/L	53	
BGO 16D	Aluminum	µg/L	216	
BGO 17DR	Aluminum	µg/L	93	
BGO 22DR	Aluminum	µg/L	238	
BGO 24D	Aluminum	µg/L	438	
BGO 26D	Aluminum	µg/L	223	
BGO 27D	Aluminum	µg/L	4,000	
	Iron	µg/L	1,810	
BGO 28D	Aluminum	µg/L	482	
	1,1-Dichloroethane	µg/L	50	Y
	Iron	µg/L	538	
	Manganese	µg/L	73	
	Total organic halogens	µg/L	468	
BGO 29D	Aluminum	µg/L	1,820	
	Iron	µg/L	1,090	
	Manganese	µg/L	66	
BGO 30D	Aluminum	µg/L	249	
	1,1-Dichloroethane	µg/L	67	
	Manganese	µg/L	71	
	Total organic halogens	µg/L	420	J1
BGO 31D	Aluminum	µg/L	1,220	
	Iron	µg/L	685	

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q94</u>	<u>Mod</u>
BGO 32D	Aluminum	µg/L	855	
	Iron	µg/L	393	
BGO 33D	Aluminum	µg/L	332	
BGO 34D	Aluminum	µg/L	146	
BGO 35D	Aluminum	µg/L	184	
BGO 36D	Aluminum	µg/L	1,050	
	Iron	µg/L	356	
BGO 37D	Aluminum	µg/L	179	
BGO 38D	Aluminum	µg/L	263	
BGO 39D	Aluminum	µg/L	108	
BGO 40D	Aluminum	µg/L	619	J3
	Iron	µg/L	497	
	Tin	µg/L	74	
BGO 46D	1,1-Dichloroethane	µg/L	22	
	Total organic halogens	µg/L	199	
BGO 48D	Aluminum	µg/L	121	
	Total organic halogens	µg/L	120	
BGO 49D	Aluminum	µg/L	76	
BGO 50D	Aluminum	µg/L	63	J1
	1,1-Dichloroethane	µg/L	10	
	Total organic halogens	µg/L	227	
BGX 1D	Aluminum	µg/L	165	
BGX 10D	Aluminum	µg/L	159	
	Manganese	µg/L	59	
BGX 11D	Aluminum	µg/L	1,460	
	Iron	µg/L	828	
BGX 12D	Aluminum	µg/L	68	
FSS 1D	Aluminum	µg/L	737	
	Iron	µg/L	845	
FSS 2D	Aluminum	µg/L	555	
	Iron	µg/L	1,370	

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q94</u>	<u>Mod</u>
FSS 3D	Aluminum	µg/L	16,800	
	Iron	µg/L	33,200	
	Manganese	µg/L	391	
FSS 4D	Aluminum	µg/L	418	
	Iron	µg/L	758	

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q94</u>	<u>Mod</u>
BGO 5C	Aluminum	µg/L	1,920	
	Iron	µg/L	338	
	Manganese	µg/L	108	
BGO 10B	Aluminum	µg/L	60	
BGO 10C	Aluminum	µg/L	223	
	Iron	µg/L	1,240	
	Manganese	µg/L	67	
BGO 12CR	Aluminum	µg/L	289	
BGO 13DR	Manganese	µg/L	73	
BGO 14CR	Aluminum	µg/L	229	
BGO 16B	Aluminum	µg/L	82	
	Iron	µg/L	332	
BGO 29C	Aluminum	µg/L	99	
BGO 30C	Aluminum	µg/L	222	
BGO 33C	Total organic halogens	µg/L	134	
BGO 42C	Aluminum	µg/L	51	
BGO 43CR	Aluminum	µg/L	61	
BGO 44B	Aluminum	µg/L	250	
	Manganese	µg/L	171	
BGO 44C	Aluminum	µg/L	391	
	Manganese	µg/L	338	
BGO 45B	Aluminum	µg/L	173	
	pH	pH	11	J1
BGO 50C	Aluminum	µg/L	60	

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q94</u>	<u>Mod</u>
BGX 1C	Aluminum	µg/L	665	J1
	pH	pH	12	
	Specific conductance	µS/cm	1,740	
BGX 5D	Aluminum	µg/L	97	
	Manganese	µg/L	335	
BGX 8DR	Aluminum	µg/L	85	
HMD 1D	Aluminum	µg/L	590	
	Iron	µg/L	642	
HMD 4D	Aluminum	µg/L	152	

Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q94</u>	<u>Mod</u>
BGO 9AA	Aluminum	µg/L	1,210	J1
	pH	pH	12	
	Specific conductance	µS/cm	1,430	
	Tin	µg/L	127	
BGO 12AR	Aluminum	µg/L	264	J1
	pH	pH	10	
BGO 14AR	Aluminum	µg/L	309	
BGO 29A	Aluminum	µg/L	643	
	Iron	µg/L	408	
BGO 43AA	Aluminum	µg/L	148	J1
	pH	pH	11	
	Tin	µg/L	20	
BGO 44AA	Aluminum	µg/L	125	
BGO 49A	Aluminum	µg/L	505	J1
	pH	pH	11	
BGO 50A	Aluminum	µg/L	501	J1
	pH	pH	12	
	Specific conductance	µS/cm	666	
	Tin	µg/L	23	
	Total organic halogens	µg/L	73	

Notes: These results do not include field data.

The groundwater samples are unfiltered. Thus, the results for metals are for total recoverable metals.

Flags are established by EPD/EMS and are based on final PDWS, Secondary Drinking Water Standards, or method detection limits (see Appendix B).

Table 3. Groundwater Monitoring Results for Individual Wells

WELL BGO 1D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N73737.9 E58779.3	33.284765 °N 81.655257 °W	245.0-225.0 ft msl	295.1 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 64.73 ft (19.73 m) below TOC
Water elevation: 230.37 ft (70.22 m) msl
Sp. conductance: 56 µS/cm
Turbidity: 73.3 NTU
Water evacuated before sampling: 9 gal
The well went dry during purging.

Time: 10:03
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 19.3 °C

Volumes purged: 2.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.3	1	J1	pH	0	GE
		Specific conductance	43	1		µS/cm	0	GE
		Specific conductance	45	1		µS/cm	0	GE
		Turbidity	201	10		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.053	1		µg/L	0	GE
		Aluminum, total recoverable	297	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	13	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	102	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,690	1		µg/L	0	GE
		Chloride	1,750	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	29	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.11	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 1D collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.53	1		µg/L	0	GE
		Endrin	<0.0063	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.053	1		µg/L	0	GE
		Iron, total recoverable	164	1		µg/L	1	GE
		Lead, total recoverable	16	1		µg/L	0	GE
		Lindane	<0.0053	1		µg/L	0	GE
		Magnesium, total recoverable	157	1		µg/L	0	GE
		Manganese, total recoverable	26	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.53	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	3,400	5		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	5,710	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	6,590	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	37,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	6.3	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	25	1		µg/L	0	GE
		Carbon-14	4.5E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.8E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
		Tritium	1.5E+01	1		pCi/mL	1	GP
		Tritium	1.5E+01	1		pCi/mL	1	GP
		Uranium-233/234	2.7E-02	1	UI	pCi/L	0	GP
		Uranium-235	-6.3E-03	1	UI	pCi/L	0	GP
		Uranium-238	<0.0E+00	1		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74552.9 E58809.7	33.286617 °N 81.656760 °W	238.9-218.9 ft msl	296.9 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/18/94
Depth to water: 59.05 ft (18.00 m) below TOC
Water elevation: 237.85 ft (72.50 m) msl
Sp. conductance: 50 µS/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 39 gal

Time: 10:00
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 20.2 °C

Volumes purged: 3.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.7	1	J1	pH	0	GE
		Specific conductance	39	1		µS/cm	0	GE
		Turbidity	0.40	1		NTU	0	GE
		Turbidity	0.42	1		NTU	0	GE
•		Acetophenone	<1.0	1	J1	µg/L	0	GE
		Aldrin	<0.049	1		µg/L	0	GE
		Aluminum, total recoverable	70	1		µg/L	2	GE
		Aluminum, total recoverable	69	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	19	1		µg/L	0	GE
		Barium, total recoverable	19	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,040	1		µg/L	0	GE
		Calcium, total recoverable	1,030	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,330	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.098	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 2D collected on 04/18/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.49	1		µg/L	0	GE
		Endrin	<0.0059	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.049	1		µg/L	0	GE
		Iron, total recoverable	5.3	1	J	µg/L	0	GE
		Iron, total recoverable	5.1	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0049	1		µg/L	0	GE
		Magnesium, total recoverable	1,010	1		µg/L	0	GE
		Magnesium, total recoverable	1,010	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.49	1		µg/L	0	GE
•		Naphthalene	<10	1	J1	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,360	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,170	1		µg/L	0	GE
		Silica, total recoverable	6,140	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,150	1		µg/L	0	GE
		Sodium, total recoverable	2,140	1		µg/L	0	GE
		Sulfate	12,400	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	24,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	8.3	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 2D collected on 04/18/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Carbon-14	2.6E+00	1	UI	pCi/L	0	GP
		Gross alpha	3.0E+00	1		pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1		pCi/L	0	GP
■		Tritium	2.1E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.2E-01	1	J	pCi/L	0	GP
		Uranium-235	6.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	8.4E-02	1	UI	pCi/L	0	GP

WELL BGO 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75351.3	33.288382 °N	247.6-227.6 ft msl	292.7 ft msl	4" PVC	S	Water Table (IIB ₂)
E58809.2	81.658312 °W					

FIELD MEASUREMENTS

Sample date: 04/19/94
Depth to water: 57.65 ft (17.57 m) below TOC
Water elevation: 235.05 ft (71.64 m) msl
Sp. conductance: 57 µS/cm
Turbidity: 23.0 NTU
Water evacuated before sampling: 2 gal
The well went dry during purging.

Time: 8:50
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 16.6 °C

Volumes purged: 0.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.6	1	J1	pH	0	GE
		Specific conductance	48	1		µS/cm	0	GE
		Turbidity	16	1		NTU	0	GE
		Acetophenone	<9.8	1		µg/L	0	GE
		Aldrin	<0.049	1		µg/L	0	GE
		Aluminum, total recoverable	199	1		µg/L	2	GE
		Aluminum, total recoverable	198	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	6.7	1		µg/L	0	GE
		Barium, total recoverable	6.8	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	27	1		µg/L	0	GE
		Calcium, total recoverable	27	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	4,460	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 3D collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	6.9	1		µg/L	0	GE
		Copper, total recoverable	6.9	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.098	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.49	1		µg/L	0	GE
		Endrin	<0.0059	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.049	1		µg/L	0	GE
		Iron, total recoverable	42	1		µg/L	0	GE
		Iron, total recoverable	42	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0049	1		µg/L	0	GE
		Magnesium, total recoverable	381	1		µg/L	0	GE
		Magnesium, total recoverable	381	1		µg/L	0	GE
		Manganese, total recoverable	17	1		µg/L	0	GE
		Manganese, total recoverable	17	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.49	1		µg/L	0	GE
		Naphthalene	<9.8	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,400	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,680	1		µg/L	0	GE
		Silica, total recoverable	6,680	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	5,310	1		µg/L	0	GE
		Sodium, total recoverable	5,320	1		µg/L	0	GE
		Sulfate	1,250	1	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	25,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	39	1		µg/L	1	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 3D collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	7.3	1		µg/L	0	GE
		Zinc, total recoverable	7.3	1		µg/L	0	GE
		Carbon-14	5.8E+01	1	J	pCi/L	0	GP
		Gross alpha	3.8E+00	1		pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UI	pCi/L	0	GP
■		Tritium	4.2E+01	1		pCi/mL	2	GP
■		Tritium	4.5E+01	1		pCi/mL	2	GP
		Uranium-233/234	2.4E-01	1	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	2.4E-01	1	J	pCi/L	0	GP

WELL BGO 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76150.1	33.290140 °N	240.6-220.6 ft msl	297.5 ft msl	4" PVC		Water Table (IIB ₂)
E58803.7	81.659878 °W					

FIELD MEASUREMENTS

Sample date: 04/19/94 Time: 16:00
No water evacuated before sampling.
Inaccessibility or pump failure prevented sample collection.

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 5C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76476.9 E58794.5	33.290848 °N 81.660537 °W	193.2-183.2 ft msl	296.1 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/19/94
Depth to water: 80.47 ft (24.53 m) below TOC
Water elevation: 215.63 ft (65.72 m) msl
Sp. conductance: 70 µS/cm
Turbidity: 20.2 NTU
Water evacuated before sampling: 20 gal
The well went dry during purging.

Time: 9:35
pH: 6.4
Alkalinity: 12 mg/L
Water temperature: 19.9 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	J1	pH	0	GE
		Specific conductance	39	1		µS/cm	0	GE
		Specific conductance	40	1		µS/cm	0	GE
		Turbidity	217	10		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	1,920	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	20	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	7,000	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,900	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	12	1		µg/L	0	GE
		Copper, total recoverable	39	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 5C collected on 04/19/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	338	1		µg/L	2	GE
		Lead, total recoverable	9.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	588	1		µg/L	0	GE
		Manganese, total recoverable	108	1		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	7.1	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	990	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	15,000	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,830	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	34,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	1,000	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	104	1		µg/L	0	GE
		Carbon-14	4.0E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.5E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	-2.0E-01	1	UI	pCi/L	0	GP
■		Tritium	2.9E+01	1		pCi/mL	2	GP
		Uranium-233/234	<0.0E+00	1		pCi/L	0	GP
		Uranium-235	-6.3E-03	1	UI	pCi/L	0	GP
		Uranium-238	2.5E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76477.5 E58784.8	33.290833 °N 81.660564 °W	239.3-219.3 ft msl	296.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/19/94
Depth to water: 65.64 ft (20.01 m) below TOC
Water elevation: 230.66 ft (70.31 m) msl
Sp. conductance: 49 µS/cm
Turbidity: 4.3 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 9:17
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 17.8 °C

Volumes purged: 0.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.0	1	J1	pH	0	GE
•		pH	5.1	1	J1	pH	0	GE
		Specific conductance	35	1		µS/cm	0	GE
		Turbidity	3.4	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	78	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	50	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	832	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	4,020	1		µg/L	0	GE
		Chloride	3,970	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	9.4	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 5D collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	30	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,000	1		µg/L	0	GE
		Manganese, total recoverable	23	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,610	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,830	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,310	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	24,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	5.8	1		µg/L	0	GE
		Carbon-14	5.8E+00	1	UI	pCi/L	0	GP
		Gross alpha	3.9E+00	1		pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J	pCi/L	0	GP
		Tritium	1.8E+01	1		pCi/mL	1	GP
		Uranium-233/234	1.2E-02	1	UI	pCi/L	0	GP
		Uranium-235	-1.8E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.8E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76487.2 E58316.8	33.290091 °N 81.661815 °W	117.5-107.5 ft msl	285.6 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/04/94	Time: 13:02
Depth to water: 126.34 ft (38.51 m) below TOC	pH: 7.8
Water elevation: 159.26 ft (48.54 m) msl	Alkalinity: 127 mg/L
Sp. conductance: 314 µS/cm	Water temperature: 19.9 °C
Turbidity: 0.6 NTU	
Water evacuated before sampling: 105 gal	Volumes purged: 3.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.5	1	J1	pH	0	GE
		Specific conductance	300	1		µS/cm	1	GE
		Turbidity	0.22	1		NTU	0	GE
•		Acetophenone	<1.0	1	J1	µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	2.6	1	J	µg/L	0	GE
		Barium, total recoverable	43	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	57,300	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,940	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6A collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	45	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	1,490	1		µg/L	0	GE
		Manganese, total recoverable	3.4	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
•		Naphthalene	<10	1	J1	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	739	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	40,900	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,270	1		µg/L	0	GE
		Sulfate	8,400	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	205,000	1		µg/L	0	GE
		Total organic carbon	1,750	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.36	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	4.8E+01	1	J	pCi/L	0	GP
		Gross alpha	1.0E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
		Tritium	1.3E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	2.2E-01	1	J	pCi/L	0	GP
		Uranium-235	2.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.6E-01	1	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76553.2 E58346.5	33.290286 °N 81.661865 °W	149.7-139.7 ft msl	286.8 ft msl	4" PVC	S	M. B/McB

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 68.47 ft (20.87 m) below TOC
Water elevation: 218.33 ft (66.55 m) msl
Sp. conductance: 210 μ S/cm
Turbidity: 2.4 NTU
Water evacuated before sampling: 42 gal
The well went dry during purging.

Time: 9:29
pH: 8.6
Alkalinity: 73 mg/L
Water temperature: 18.3 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.5	1	J1	pH	1	GE
		Specific conductance	193	1		μ S/cm	0	GE
		Turbidity	0.60	1		NTU	0	GE
		Acetophenone	<10	1		μ g/L	0	GE
		Aldrin	<0.053	1		μ g/L	0	GE
		Aluminum, total recoverable	<20	1		μ g/L	0	GE
		Antimony, total recoverable	<2.0	1	J3	μ g/L	0	GE
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Barium, total recoverable	33	1		μ g/L	0	GE
		Benzene	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	GE
		Calcium, total recoverable	32,800	1		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Chloride	2,490	1		μ g/L	0	GE
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1		μ g/L	0	GE
		Copper, total recoverable	4.2	1	J	μ g/L	0	GE
		Cyanide	<5.0	1		μ g/L	0	GE
		p,p'-DDT	<0.11	1		μ g/L	0	GE
		Dibromochloromethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6B collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.53	1		µg/L	0	GE
		Endrin	<0.0063	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.053	1		µg/L	0	GE
		Iron, total recoverable	99	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0053	1		µg/L	0	GE
		Magnesium, total recoverable	828	1		µg/L	0	GE
		Manganese, total recoverable	3.1	1	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.53	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	630	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	2,230	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1	J3	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	18,600	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,570	1		µg/L	0	GE
		Sulfate	4,940	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	4.2	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	126,000	1	JV2	µg/L	0	GE
		Total organic carbon	1,560	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.38	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.2E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	3.7E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1	J	pCi/L	0	GP
■		Tritium	2.4E+01	1		pCi/mL	2	GP
		Uranium-233/234	2.2E-01	1	J	pCi/L	0	GP
		Uranium-235	-1.2E-03	1	UI	pCi/L	0	GP
		Uranium-238	5.7E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76487.1 E58307.0	33.290075 °N 81.661841 °W	168.0-158.0 ft msl	285.6 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/04/94	Time: 13:28
Depth to water: 65.49 ft (19.96 m) below TOC	pH: 7.7
Water elevation: 220.11 ft (67.09 m) msl	Alkalinity: 52 mg/L
Sp. conductance: 149 µS/cm	Water temperature: 20.5 °C
Turbidity: 0.1 NTU	
Water evacuated before sampling: 115 gal	Volumes purged: 2.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.4	1	J1	pH	0	GE
		Specific conductance	131	1		µS/cm	0	GE
		Turbidity	<0.10	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	10	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	23,400	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,130	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6C collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	<4.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	509	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,040	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	11,300	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,940	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	92,000	1	JV2	µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6C collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	70	1	J	µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.39	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Carbon-14	3.0E+00	1	UI	pCi/L	0	GP
		Gross alpha	3.8E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	4.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Total activity	9.7E+05	1		pCi/L	0	EM
■		Tritium	9.8E+02	1		pCi/mL	2	GP
		Uranium-233/234	2.8E-02	1	UI	pCi/L	0	GP
		Uranium-235	-2.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	7.0E-02	1	UI	pCi/L	0	GP

WELL BGO 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76487.3	33.290059 °N	237.2-217.2 ft msl	285.5 ft msl	4" PVC	S	Water Table (IIB ₂)
E58297.1	81.661867 °W					

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 54.09 ft (16.49 m) below TOC
Water elevation: 231.41 ft (70.53 m) msl
Sp. conductance: 141 µS/cm
Turbidity: 4.7 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 9:00
pH: 6.6
Alkalinity: 44 mg/L
Water temperature: 17.7 °C
Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
●		pH	6.7	1	J1	pH	0	GE
		Specific conductance	144	1		µS/cm	0	GE
		Turbidity	12	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	277	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6D collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	27	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	20,300	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,920	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	1.1	1	J	µg/L	0	GE
		1,1-Dichloroethane	1.1	1	J	µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	74	1		µg/L	0	GE
		Lead, total recoverable	5.9	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,130	1		µg/L	0	GE
		Manganese, total recoverable	18	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	670	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	564	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	10,400	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6D collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,700	1		µg/L	0	GE
		Sulfate	1,830	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	4.3	1		µg/L	1	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	97,000	1		µg/L	0	GE
		Total organic carbon	1,500	1	J	µg/L	0	GE
		Total organic halogens	32	1		µg/L	1	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	1.5	1	J	µg/L	0	GE
		1,1,1-Trichloroethane	1.5	1	J	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	35	1		µg/L	2	GE
		Trichlorofluoromethane	3.7	1		µg/L	0	GE
		2,4,5-T	0.40	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	33	1		µg/L	0	GE
		Carbon-14	2.7E+00	1	UI	pCi/L	0	GP
		Gross alpha	7.2E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J	pCi/L	0	GP
		Total activity	2.0E+06	1		pCi/L	0	EM
■		Tritium	1.9E+03	1		pCi/mL	2	GP
		Uranium-233/234	1.0E-02	1	UI	pCi/L	0	GP
		Uranium-235	2.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	6.2E-02	1	UI	pCi/L	0	GP

WELL BGO 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76494.5 E57917.2	33.289455 °N 81.662882 °W	240.2-220.2 ft msl	287 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/04/94
Depth to water: 54.87 ft (16.72 m) below TOC
Water elevation: 232.13 ft (70.75 m) msl
Sp. conductance: 35 µS/cm
Turbidity: 1.1 NTU
Water evacuated before sampling: 129 gal

Time: 14:13
pH: 4.9
Alkalinity: 0 mg/L
Water temperature: 19.8 °C

Volumes purged: 16.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1	J1	pH	0	GE
		Specific conductance	28	1		µS/cm	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 7D collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Turbidity	0.76	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	50	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	7.1	1		µg/L	0	GE
		Benzene	<2.0	2		µg/L	0	GE
		Bromodichloromethane	<2.0	2		µg/L	0	GE
		Bromoform	<2.0	2		µg/L	0	GE
		Bromomethane (Methyl bromide)	<2.0	2		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	761	1		µg/L	0	GE
		Carbon tetrachloride	<2.0	2		µg/L	0	GE
		Chloride	2,500	1		µg/L	0	GE
		Chloride	2,490	1		µg/L	0	GE
		Chlorobenzene	<2.0	2		µg/L	0	GE
		Chloroethane	<2.0	2		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<2.0	2		µg/L	0	GE
		2-Chloroethyl vinyl ether	<2.0	2		µg/L	0	GE
		Chloroform	4.0	2		µg/L	0	GE
		Chloromethane (Methyl chloride)	<2.0	2		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	11	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<2.0	2		µg/L	0	GE
		1,1-Dichloroethane	<2.0	2		µg/L	0	GE
		1,2-Dichloroethane	<2.0	2		µg/L	0	GE
		1,1-Dichloroethylene	<2.0	2		µg/L	0	GE
		trans-1,2-Dichloroethylene	40	2		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<2.0	2		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<2.0	2		µg/L	0	GE
		cis-1,3-Dichloropropene	<2.0	2		µg/L	0	GE
		cis-1,3-Dichloropropene	<2.0	2		µg/L	0	GE
		trans-1,3-Dichloropropene	<2.0	2		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<2.0	2		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	19	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	492	1		µg/L	0	GE
		Manganese, total recoverable	11	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,050	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 7D collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silica, total recoverable	8,430	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,340	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<2.0	2		µg/L	0	GE
■		Tetrachloroethylene	9.8	2		µg/L	2	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<2.0	2		µg/L	0	GE
		Total dissolved solids	29,000	1	JV2	µg/L	0	GE
		Total organic carbon	1,220	1	J	µg/L	0	GE
		Total organic halogens	82	1		µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<2.0	2		µg/L	0	GE
		1,1,2-Trichloroethane	<2.0	2		µg/L	0	GE
■		Trichloroethylene	153	2		µg/L	2	GE
		Trichlorofluoromethane	<2.0	2		µg/L	0	GE
		2,4,5-T	0.36	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<4.0	2		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	1.2E+01	1	J	pCi/L	0	GP
		Gross alpha	1.2E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	8.1E-01	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J	pCi/L	0	GP
		Total activity	5.5E+05	10		pCi/L	0	EM
■		Tritium	5.7E+02	1		pCi/mL	2	GP
		Uranium-233/234	5.6E-02	1	UI	pCi/L	0	GP
		Uranium-235	-5.0E-03	1	UI	pCi/L	0	GP
		Uranium-238	3.3E-02	1	UI	pCi/L	0	GP

WELL BGO 8AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76598.8	33.289197 °N	104.6-94.6 ft msl	286.6 ft msl	4" PVC	S	U. Congaree (IIA)
E57617.5	81.663874 °W					

FIELD MEASUREMENTS

Sample date: 04/04/94
Depth to water: 125.56 ft (38.27 m) below TOC
Water elevation: 161.04 ft (49.09 m) msl
Sp. conductance: 258 µS/cm
Turbidity: 0.2 NTU
Water evacuated before sampling: 179 gal

Time: 10:32
pH: 7.9
Alkalinity: 105 mg/L
Water temperature: 19.7 °C

Volumes purged: 4.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.8	1	J1	pH	0	GE
•		pH	7.8	1	J1	pH	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8AR collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.8	1	J1	pH	0	GE
•		pH	7.5	1	J	pH	0	WA
•		pH	7.7	1	J	pH	0	WA
		Specific conductance	245	1		µS/cm	0	GE
		Specific conductance	243	1		µS/cm	0	GE
		Specific conductance	236	4		µS/cm	0	WA
		Specific conductance	243	4		µS/cm	0	WA
		Turbidity	0.11	1	J	NTU	0	GE
		Turbidity	<0.10	1		NTU	0	GE
		Turbidity	0.31	1		NTU	0	GE
		Turbidity	0.27	1		NTU	0	WA
		Turbidity	0.33	1		NTU	0	WA
		Turbidity	0.37	1		NTU	0	WA
•		Acetophenone	<11	1	J1	µg/L	0	GE
•		Acetophenone	<10	1	J1	µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	WA
		Acetophenone	<10	1		µg/L	0	WA
		Aldrin	<0.051	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	20	1	J	µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	29	1		µg/L	1	WA
		Aluminum, total recoverable	29	1		µg/L	1	WA
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	23	1		µg/L	0	GE
		Barium, total recoverable	23	1		µg/L	0	GE
		Barium, total recoverable	23	1		µg/L	0	WA
		Barium, total recoverable	24	1		µg/L	0	WA
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<5.0	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8AR collected on 04/04/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	47,300	1		µg/L	0	GE
		Calcium, total recoverable	47,400	1		µg/L	0	GE
		Calcium, total recoverable	46,300	1		µg/L	0	WA
		Calcium, total recoverable	46,600	1		µg/L	0	WA
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,940	1		µg/L	0	GE
		Chloride	2,770	1		µg/L	0	GE
		Chloride	2,700	1		µg/L	0	GE
		Chloride	2,560	1		µg/L	0	WA
		Chloride	2,610	1		µg/L	0	WA
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<5.0	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO BAR collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.6	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.1		µg/L	0	WA
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8AR collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Dieldrin	<0.51	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.10	1.03		µg/L	0	WA
		Endrin	<0.10	1.04		µg/L	0	WA
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Heptachlor	<0.051	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	16	1		µg/L	0	GE
		Iron, total recoverable	20	1		µg/L	0	GE
		Iron, total recoverable	20	1		µg/L	0	WA
		Iron, total recoverable	25	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.0051	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.052	1.03		µg/L	0	WA
		Lindane	<0.052	1.04		µg/L	0	WA
		Magnesium, total recoverable	1,200	1		µg/L	0	GE
		Magnesium, total recoverable	1,200	1		µg/L	0	GE
		Magnesium, total recoverable	1,130	1		µg/L	0	WA
		Magnesium, total recoverable	1,130	1		µg/L	0	WA
		Manganese, total recoverable	22	1		µg/L	0	GE
		Manganese, total recoverable	22	1		µg/L	0	GE
		Manganese, total recoverable	24	1		µg/L	0	WA
		Manganese, total recoverable	24	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.51	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.52	1.03		µg/L	0	WA
		Methoxychlor	<0.52	1.04		µg/L	0	WA
•		Naphthalene	<11	1	J1	µg/L	0	GE
•		Naphthalene	<10	1	J1	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	<20	1		µg/L	0	WA
		Nitrate as nitrogen	<20	1		µg/L	0	WA
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8AR collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	1,170	1		µg/L	0	GE
		Potassium, total recoverable	1,220	1		µg/L	0	GE
		Potassium, total recoverable	1,230	1		µg/L	0	WA
		Potassium, total recoverable	1,250	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	32,200	1		µg/L	0	GE
		Silica, total recoverable	32,200	1		µg/L	0	GE
		Silica, total recoverable	31,000	2.1		µg/L	0	WA
		Silica, total recoverable	31,000	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,120	1		µg/L	0	GE
		Sodium, total recoverable	2,120	1		µg/L	0	GE
		Sodium, total recoverable	2,090	1		µg/L	0	WA
		Sodium, total recoverable	2,090	1		µg/L	0	WA
		Sulfate	6,650	1		µg/L	0	GE
		Sulfate	7,090	1		µg/L	0	GE
		Sulfate	7,070	1		µg/L	0	GE
		Sulfate	8,720	4		µg/L	0	WA
		Sulfate	8,740	4		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<17	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	160,000	1		µg/L	0	GE
		Total dissolved solids	160,000	1		µg/L	0	GE
		Total dissolved solids	160,000	4		µg/L	0	WA
		Total dissolved solids	164,000	4		µg/L	0	WA
		Total organic carbon	1,090	1	J	µg/L	0	GE
		Total organic carbon	1,240	1	J	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8AR collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	13	1		µg/L	0	WA
		Total organic halogens	14	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<1.0	1.03		µg/L	0	WA
		Toxaphene	<1.0	1.04		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.47	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.55	1.09		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.1		µg/L	0	WA
•		Tributyl phosphate	<11	1	J1	µg/L	0	GE
•		Tributyl phosphate	<10	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<5.0	1		µg/L	0	WA
		Trichloroethylene	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		2,4,5-T	<0.47	1	JV2	µg/L	0	GE
		2,4,5-T	0.35	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<5.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	5.2	1		µg/L	0	WA
		Zinc, total recoverable	6.2	1		µg/L	0	WA
		Carbon-14	5.5E-01	1	UI	pCi/L	0	CN

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8AR collected on 04/04/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Carbon-14	-3.9E+00	1	UI	pCi/L	0	CN
		Carbon-14	1.6E-01	1	UI	pCi/L	0	GP
		Carbon-14	2.5E+01	1	J	pCi/L	0	GP
		Gross alpha	-2.5E-02	1	UI	pCi/L	0	GP
		Gross alpha	1.4E-01	1	UI	pCi/L	0	GP
		Gross alpha	<8.1E-01	1		pCi/L	0	TM
		Gross alpha	<8.0E-01	1		pCi/L	0	TM
		Gross alpha	<5.2E-01	1		pCi/L	0	TM
		Nonvolatile beta	1.0E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	7.7E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	8.8E+00	1	J	pCi/L	0	TM
		Nonvolatile beta	2.1E+00	1	J	pCi/L	0	TM
		Nonvolatile beta	3.0E+00	1		pCi/L	0	TM
		Radium-226	1.5E-01	1		pCi/L	0	TM
		Radium-226	8.0E-02	1	UI	pCi/L	0	TM
		Radium-226	2.1E-01	1		pCi/L	0	TM
		Radium-228	<1.8E-01	1		pCi/L	0	TM
		Radium-228	1.0E+00	1		pCi/L	0	TM
		Radium-228	1.1E+00	1		pCi/L	0	TM
		Radium, total alpha-emitting	-1.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J	pCi/L	0	GP
		Tritium	0.0E+00	1	UI	pCi/mL	0	GP
		Tritium	7.8E-02	1	UI	pCi/mL	0	GP
		Tritium	5.9E-01	1		pCi/mL	0	TM
		Tritium	5.5E-01	1		pCi/mL	0	TM
		Tritium	<1.2E-01	1		pCi/mL	0	TM
		Uranium-233/234	1.3E-01	1		pCi/L	0	CN
		Uranium-233/234	7.8E-02	1	UI	pCi/L	0	CN
		Uranium-233/234	9.5E-02	1	J	pCi/L	0	GP
		Uranium-233/234	4.5E-03	1	UI	pCi/L	0	GP
		Uranium-235	-9.5E-03	1	UI	pCi/L	0	CN
		Uranium-235	2.5E-02	1	UI	pCi/L	0	CN
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	9.3E-02	1		pCi/L	0	CN
		Uranium-238	7.8E-02	1	UI	pCi/L	0	CN
		Uranium-238	5.0E-02	1	UI	pCi/L	0	GP
		Uranium-238	9.9E-03	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76579.2 E57618.7	33.289156 °N 81.663832 °W	184.3-174.3 ft msl	287.9 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/04/94
Depth to water: 64.46 ft (19.65 m) below TOC
Water elevation: 223.44 ft (68.11 m) msl
Sp. conductance: 130 µS/cm
Turbidity: 0.3 NTU
Water evacuated before sampling: 138 gal

Time: 12:05
pH: 7.5
Alkalinity: 39 mg/L
Water temperature: 20.2 °C

Volumes purged: 4.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.2	1	J1	pH	0	GE
		Specific conductance	114	1		µS/cm	0	GE
		Turbidity	<0.10	1		NTU	0	GE
•		Acetophenone	<10	1	J1	µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	25	1	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	9.7	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	18,900	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,390	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8C collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	4.7	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	418	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
•		Naphthalene	<10	1	J1	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	940	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	833	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	12,700	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,750	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	64,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	100	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.35	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	3.2	1	J	µg/L	0	GE
		Carbon-14	1.2E+01	1	J	pCi/L	0	GP
		Gross alpha	7.9E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	-1.0E-01	1	UI	pCi/L	0	GP
		Tritium	1.5E+00	1		pCi/mL	0	GP
		Uranium-233/234	4.4E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	4.4E-02	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76588.8	33.289175 °N	240.6-220.6 ft msl	287.8 ft msl	4" PVC	S	Water Table (IIB ₂)
E57617.8	81.663853 °W					

FIELD MEASUREMENTS

Sample date: 04/04/94	Time: 11:08
Depth to water: 55.56 ft (16.93 m) below TOC	pH: 5.2
Water elevation: 232.24 ft (70.79 m) msl	Alkalinity: 0 mg/L
Sp. conductance: 33 µS/cm	Water temperature: 19.7 °C
Turbidity: 5.2 NTU	
Water evacuated before sampling: 241 gal	Volumes purged: 31.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1	J1	pH	0	GE
		Specific conductance	27	1		µS/cm	0	GE
		Turbidity	5.0	1		NTU	0	GE
•		Acetophenone	<10	1	J1	µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	34	1		µg/L	1	GE
		Aluminum, total recoverable	35	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	11	1		µg/L	0	GE
		Barium, total recoverable	12	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	733	1		µg/L	0	GE
		Calcium, total recoverable	739	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,240	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8D collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	34	1		µg/L	0	GE
		Iron, total recoverable	35	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	473	1		µg/L	0	GE
		Magnesium, total recoverable	477	1		µg/L	0	GE
		Manganese, total recoverable	11	1		µg/L	0	GE
		Manganese, total recoverable	11	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
•		Naphthalene	<10	1	J1	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,220	1		µg/L	0	GE
		Phenols	5.8	1	J	µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,510	1		µg/L	0	GE
		Silica, total recoverable	7,570	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,410	1		µg/L	0	GE
		Sodium, total recoverable	2,420	1		µg/L	0	GE
		Sulfate	1,190	1	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	14,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	7.3	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	1.5	1	J	µg/L	0	GE
		Trichlorofluoromethane	7.5	1		µg/L	1	GE
		2,4,5-T	0.37	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8D collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	6.7E+01	1	J	pCi/L	0	GP
		Gross alpha	2.0E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1		pCi/L	0	GP
		Tritium	1.7E+01	1		pCi/mL	1	GP
		Uranium-233/234	1.4E-01	1	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.6E-01	1	J	pCi/L	0	GP

WELL BGO 9AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76975.7 E57371.9	33.289630 °N 81.665252 °W	83.8-73.8 ft msl	284.8 ft msl	4" PVC	S	L. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 126.88 ft (38.67 m) below TOC
Water elevation: 157.92 ft (48.13 m) msl
Sp. conductance: 4000 µS/cm
Turbidity: 2.6 NTU
Water evacuated before sampling: 45 gal
The well went dry during purging.

Time: 10:13
pH: 12.7
Alkalinity: 806 mg/L
Water temperature: 19.0 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	12	1	J1	pH	2	GE
		Specific conductance	1,430	1		µS/cm	2	GE
		Turbidity	0.53	1		NTU	0	GE
		Acetophenone	<9.8	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	1,210	5		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	306	5		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<10	5		µg/L	0	GE
		Calcium, total recoverable	174,000	5		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,630	1		µg/L	0	GE
		Chloride	2,660	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<20	5		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 9AA collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Copper, total recoverable	<20	5		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.099	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0059	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	30	5	J	µg/L	0	GE
		Lead, total recoverable	25	1		µg/L	1	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	<10	5		µg/L	0	GE
		Manganese, total recoverable	<10	5		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<9.8	1		µg/L	0	GE
		Nickel, total recoverable	<20	5		µg/L	0	GE
		Nitrate-nitrite as nitrogen	150	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	62,100	5		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	5,410	5		µg/L	0	GE
		Silver, total recoverable	<10	5		µg/L	0	GE
		Sodium, total recoverable	33,200	5		µg/L	0	GE
		Sulfate	9,630	1		µg/L	0	GE
		Sulfate	9,550	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	127	5		µg/L	2	GE
		Toluene	1.3	1	J	µg/L	0	GE
		Total dissolved solids	372,000	1	JV2	µg/L	0	GE
		Total organic carbon	3,690	1		µg/L	0	GE
		Total organic carbon	3,820	1		µg/L	0	GE
		Total organic halogens	14	1		µg/L	0	GE
		Total phosphates (as P)	160	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.38	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<40	5		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.9E+00	1		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 9AA collected on 04/05/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Nonvolatile beta	1.2E+01	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.8E+00	1		pCi/L	0	GP
		Tritium	5.5E-02	1	UI	pCi/mL	0	GP
		Uranium-233/234	2.7E-02	1	UI	pCi/L	0	GP
		Uranium-235	2.7E-02	1	UI	pCi/L	0	GP
		Uranium-238	4.0E-02	1	UI	pCi/L	0	GP

WELL BGO 9D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N76811.6 E57478.9	33.289442 °N 81.664652 °W	229.2-209.2 ft msl	285.1 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/04/94
Depth to water: 54.96 ft (16.75 m) below TOC
Water elevation: 230.14 ft (70.15 m) msl
Sp. conductance: 35 µS/cm
Turbidity: 0.1 NTU
Water evacuated before sampling: 34 gal

Time: 16:34
pH: 4.9
Alkalinity: 0 mg/L
Water temperature: 20.5 °C

Volumes purged: 2.5 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.3	1	J1	pH	0	GE
		Specific conductance	28	1		µS/cm	0	GE
		Turbidity	0.18	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	11	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,180	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,960	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 9D collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	6.2	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	527	1		µg/L	0	GE
		Manganese, total recoverable	20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,450	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,470	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,390	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	34,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.41	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	5.5E+01	1	J	pCi/L	0	GP
		Gross alpha	3.6E+00	1		pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 9D collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total activity	1.6E+05	1		pCi/L	0	EM
■		Tritium	1.6E+02	1		pCi/mL	2	GP
		Uranium-233/234	1.2E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.0E-01	1	J	pCi/L	0	GP

WELL BGO 10AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76997.9 E56990.5	33.289057 °N 81.666300 °W	90.8-80.8 ft msl	300.7 ft msl	4" PVC	S	L. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/04/94
Depth to water: 142.98 ft (43.58 m) below TOC
Water elevation: 157.72 ft (48.07 m) msl
Sp. conductance: 222 µS/cm
Turbidity: 1.9 NTU
Water evacuated before sampling: 131 gal

Time: 15:50
pH: 7.6
Alkalinity: 74 mg/L
Water temperature: 19.7 °C
Volumes purged: 2.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.7	1	J1	pH	0	GE
		Specific conductance	202	1		µS/cm	0	GE
		Turbidity	0.75	1		NTU	0	GE
•		Acetophenone	<10	1	J1	µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	47	1		µg/L	0	GE
		Barium, total recoverable	47	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	34,500	1		µg/L	0	GE
		Calcium, total recoverable	34,600	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,620	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10AA collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	45	1		µg/L	0	GE
		Iron, total recoverable	45	1		µg/L	0	GE
		Lead, total recoverable	5.7	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	772	1		µg/L	0	GE
		Magnesium, total recoverable	768	1		µg/L	0	GE
		Manganese, total recoverable	4.9	1		µg/L	0	GE
		Manganese, total recoverable	4.9	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
	•	Naphthalene	<10	1	J1	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	4,240	1		µg/L	0	GE
		Potassium, total recoverable	4,240	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	30,100	1	J3	µg/L	0	GE
		Silica, total recoverable	30,000	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,040	1		µg/L	0	GE
		Sodium, total recoverable	4,020	1		µg/L	0	GE
		Sulfate	6,430	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	7.3	1		µg/L	0	GE
		Tin, total recoverable	6.6	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	131,000	1		µg/L	0	GE
		Total dissolved solids	132,000	1		µg/L	0	GE
		Total organic carbon	1,100	1	J	µg/L	0	GE
		Total organic carbon	1,220	1	J	µg/L	0	GE
		Total organic halogens	7.2	1	J	µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10AA collected on 04/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total phosphates (as P)	520	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.35	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	8.4E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	3.8E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J	pCi/L	0	GP
		Tritium	0.0E+00	1	UI	pCi/mL	0	GP
		Uranium-233/234	9.6E-02	1	J	pCi/L	0	GP
		Uranium-235	-5.1E-03	1	UI	pCi/L	0	GP
		Uranium-238	6.7E-02	1	J	pCi/L	0	GP

WELL BGO 10AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76806.0	33.288752 °N	106.5-96.5 ft msl	300.5 ft msl	4" PVC	S	U. Congaree (IIA)
E57063.8	81.665734 °W					

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 142.24 ft (43.36 m) below TOC
Water elevation: 158.26 ft (48.24 m) msl
Sp. conductance: 261 µS/cm
Turbidity: 0.3 NTU
Water evacuated before sampling: 150 gal

Time: 11:43
pH: 7.8
Alkalinity: 99 mg/L
Water temperature: 20.1 °C

Volumes purged: 3.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.0	1	J1	pH	0	GE
		Specific conductance	244	1		µS/cm	0	GE
		Turbidity	0.26	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	18	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	46,000	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10AR collected on 04/05/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloride	2,700	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.5	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	7.6	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	1,210	1		µg/L	0	GE
		Manganese, total recoverable	47	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,610	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	28,400	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,130	1		µg/L	0	GE
		Sulfate	6,570	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	165,000	1	JV2	µg/L	0	GE
		Total organic carbon	1,430	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.46	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10AR collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.46	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	4.1E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.3E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	2.2E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Tritium	0.0E+00	1	UI	pCi/mL	0	GP
		Uranium-233/234	4.7E-01	1	J	pCi/L	0	GP
		Uranium-235	1.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	3.6E-01	1	J	pCi/L	0	GP

WELL BGO 10B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76982.1	33.289003 °N	149.0-139.0 ft msl	301 ft msl	4" PVC	S	Barnwell (IIB ₁)
E56978.8	81.666300 °W					

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 81.05 ft (24.70 m) below TOC
Water elevation: 219.95 ft (67.04 m) msl
Sp. conductance: 253 µS/cm
Turbidity: 1.3 NTU
Water evacuated before sampling: 51 gal
The well went dry during purging.

Time: 9:51
pH: 8.6
Alkalinity: 95 mg/L
Water temperature: 18.4 °C

Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.9	1	J1	pH	0	GE
•		pH	7.9	1	J1	pH	0	GE
		Specific conductance	283	1		µS/cm	1	GE
		Turbidity	2.0	1		NTU	0	GE
		Turbidity	2.2	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	59	1		µg/L	2	GE
		Aluminum, total recoverable	60	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	18	1		µg/L	0	GE
		Barium, total recoverable	18	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10B collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	46,300	1		µg/L	0	GE
		Calcium, total recoverable	46,200	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,510	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	105	1		µg/L	0	GE
		Iron, total recoverable	106	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,560	1		µg/L	0	GE
		Magnesium, total recoverable	1,560	1		µg/L	0	GE
		Manganese, total recoverable	2.8	1	J	µg/L	0	GE
		Manganese, total recoverable	2.9	1	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	5.4	1	J	µg/L	0	GE
		Nickel, total recoverable	5.5	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	3,840	1		µg/L	0	GE
		Potassium, total recoverable	3,780	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	38,300	1		µg/L	0	GE
		Silica, total recoverable	38,200	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10B collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,730	1		µg/L	0	GE
		Sodium, total recoverable	4,750	1		µg/L	0	GE
		Sulfate	4,890	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	6.0	1		µg/L	0	GE
		Tin, total recoverable	5.5	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	205,000	1		µg/L	0	GE
		Total dissolved solids	205,000	1	JV2	µg/L	0	GE
		Total organic carbon	3,240	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.40	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	13	1	J	µg/L	0	GE
		Vanadium, total recoverable	13	1	J	µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	9.8E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Tritium	8.3E+00	1		pCi/mL	0	GP
		Uranium-233/234	5.5E-01	1	J	pCi/L	0	GP
		Uranium-235	5.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	4.6E-01	1	J	pCi/L	0	GP

WELL BGO 10C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76805.2	33.288713 °N	167.3-157.3 ft msl	301.3 ft msl	4" PVC	S	Barnwell (IIB ₁)
E57041.1	81.665792 °W					

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 80.63 ft (24.58 m) below TOC
Water elevation: 220.67 ft (67.26 m) msl
Sp. conductance: 98 µS/cm
Turbidity: 94.4 NTU
Water evacuated before sampling: 40 gal
The well went dry during purging.

Time: 11:19
pH: 9.3
Alkalinity: 40 mg/L
Water temperature: 20.2 °C

Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.9	1	J1	pH	0	GE
•		pH	7.9	1	J1	pH	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10C collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Specific conductance	244	1		µS/cm	0	GE
		Turbidity	39	1		NTU	0	GE
		Turbidity	37	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	223	5		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	74	5		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<10	5		µg/L	0	GE
		Calcium, total recoverable	71,300	5		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,150	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<20	5		µg/L	0	GE
		Copper, total recoverable	66	5		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.099	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0059	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	1,240	5		µg/L	2	GE
		Lead, total recoverable	33	1		µg/L	1	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,210	5		µg/L	0	GE
		Manganese, total recoverable	67	5		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<20	5		µg/L	0	GE
		Nitrate-nitrite as nitrogen	330	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<2,500	5		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10C collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	23,900	5		µg/L	0	GE
		Silver, total recoverable	<10	5		µg/L	0	GE
		Sodium, total recoverable	3,630	5		µg/L	0	GE
		Sulfate	3,930	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<10	5		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	161,000	1		µg/L	0	GE
		Total dissolved solids	161,000	1	JV2	µg/L	0	GE
		Total organic carbon	1,340	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	190	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.39	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<40	5		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	124	5		µg/L	0	GE
		Carbon-14	4.8E+00	1	UI	pCi/L	0	GP
		Gross alpha	8.7E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.0E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UI	pCi/L	0	GP
		Tritium	1.9E+00	1		pCi/mL	0	GP
		Tritium	1.9E+00	1		pCi/mL	0	GP
		Uranium-233/234	6.9E-01	1	J	pCi/L	0	GP
		Uranium-235	4.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	5.2E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76804.8 E57073.7	33.288765 °N 81.665706 °W	238.3-218.3 ft msl	300.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 68.31 ft (20.82 m) below TOC
Water elevation: 232.09 ft (70.74 m) msl
Sp. conductance: 147 µS/cm
Turbidity: 21.4 NTU
Water evacuated before sampling: 3 gal
The well went dry during purging.

Time: 10:51
pH: 6.3
Alkalinity: 44 mg/L
Water temperature: 19.6 °C

Volumes purged: 0.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	J1	pH	0	GE
		Specific conductance	86	1		µS/cm	0	GE
		Turbidity	10.0	1		NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	28	1	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	49	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	6,190	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,140	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	15	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0014	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10DR collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	322	1		µg/L	2	GE
		Lead, total recoverable	19	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	358	1		µg/L	0	GE
		Manganese, total recoverable	19	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	12	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,230	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	3,250	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,610	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	7,730	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	6.3	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	55,000	1		µg/L	0	GE
		Total organic carbon	1,310	1	J	µg/L	0	GE
		Total organic halogens	15	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00043	1		µg/L	0	GE
		1,1,1-Trichloroethane	2.5	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.40	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	92	1		µg/L	0	GE
		Carbon-14	2.8E+02	1	J	pCi/L	0	GP
		Gross alpha	2.3E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1		pCi/L	0	GP
		Total activity	1.6E+06	1		pCi/L	0	EM
■		Tritium	2.2E+03	1		pCi/mL	2	GP
		Uranium-233/234	3.8E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	2.9E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76805.1 E56651.3	33.288077 °N 81.666819 °W	236.3-216.3 ft msl	305.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/05/94	Time: 12:41
Depth to water: 73.47 ft (22.39 m) below TOC	pH: 4.8
Water elevation: 231.83 ft (70.66 m) msl	Alkalinity: 0 mg/L
Sp. conductance: 42 µS/cm	Water temperature: 21.2 °C
Turbidity: 0.3 NTU	
Water evacuated before sampling: 40 gal	Volumes purged: 3.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.9	1	J1	pH	0	GE
		Specific conductance	36	1		µS/cm	0	GE
		Turbidity	0.16	1	J	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	27	1	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	6.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	733	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,460	1		µg/L	0	GE
		Chloride	2,480	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 11D collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	<4.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	633	1		µg/L	0	GE
		Manganese, total recoverable	4.2	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,140	2		µg/L	0	GE
		Phenols	6.9	1	J	µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,820	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,060	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	36,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.39	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	3.2	1	J	µg/L	0	GE
		Carbon-14	1.8E+01	1	J	pCi/L	0	GP
		Gross alpha	4.6E+00	1		pCi/L	0	GP
		Nonvolatile beta	2.4E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.9E+00	1		pCi/L	0	GP
		Total activity	1.5E+06	10		pCi/L	0	EM
■		Tritium	1.5E+03	1		pCi/mL	2	GP
		Uranium-233/234	7.4E-02	1	J	pCi/L	0	GP
		Uranium-235	9.5E-03	1	UI	pCi/L	0	GP
		Uranium-238	8.3E-02	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76803.8 E56259.9	33.287435 °N 81.667847 °W	109.3-99.3 ft msl	313.4 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 155.79 ft (47.49 m) below TOC
Water elevation: 157.61 ft (48.04 m) msl
Sp. conductance: 191 μ S/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 168 gal

Time: 13:56
pH: 10.3
Alkalinity: 66 mg/L
Water temperature: 20.3 °C
Volumes purged: 4.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	10	1	J1	pH	2	GE
		Specific conductance	80	1		μ S/cm	0	GE
		Turbidity	0.44	1		NTU	0	GE
		Acetophenone	<10	1		μ g/L	0	GE
		Aldrin	<0.050	1		μ g/L	0	GE
		Aldrin	<0.050	1		μ g/L	0	GE
		Aluminum, total recoverable	264	1		μ g/L	2	GE
		Aluminum, total recoverable	264	1		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	2.7	1	J	μ g/L	0	GE
		Barium, total recoverable	52	1		μ g/L	0	GE
		Barium, total recoverable	52	1		μ g/L	0	GE
		Benzene	<1.0	1		μ g/L	0	GE
		Benzene	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	GE
		Calcium, total recoverable	30,000	1		μ g/L	0	GE
		Calcium, total recoverable	30,300	1		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Chloride	2,250	1		μ g/L	0	GE
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12AR collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	<4.0	1		µg/L	0	GE
		Iron, total recoverable	<4.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	175	1		µg/L	0	GE
		Magnesium, total recoverable	174	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12AR collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	80	1	J	µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	3,550	1		µg/L	0	GE
		Potassium, total recoverable	3,500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	25,000	1		µg/L	0	GE
		Silica, total recoverable	25,200	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,280	1		µg/L	0	GE
		Sodium, total recoverable	3,270	1		µg/L	0	GE
		Sulfate	5,080	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	6.5	1		µg/L	0	GE
		Tin, total recoverable	6.1	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	72,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	4.2	1		µg/L	1	GE
		Trichloroethylene	4.3	1		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.34	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	1.9E+01	1	J	pCi/L	0	GP
		Gross alpha	1.1E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	4.3E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1	J	pCi/L	0	GP
		Tritium	1.3E+00	1		pCi/mL	0	GP
		Uranium-233/234	9.6E-02	1	J	pCi/L	0	GP
		Uranium-233/234	1.3E-01	1	J	pCi/L	0	GP
		Uranium-235	-9.9E-03	1	UI	pCi/L	0	GP
		Uranium-235	-5.8E-03	1	UI	pCi/L	0	GP
		Uranium-238	1.1E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12AR collected on 04/05/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-238	1.3E-01	1	J	pCi/L	0	GP

WELL BGO 12CR

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N76806.0	33.287367 °N	154.0-144.0 ft msl	314 ft msl	4" PVC	S	Barnwell (IIB ₁)
E56215.2	81.667969 °W					

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 92.57 ft (28.22 m) below TOC
Water elevation: 221.43 ft (67.49 m) msl
Sp. conductance: 127 µS/cm
Turbidity: 1.0 NTU
Water evacuated before sampling: 35 gal
The well went dry during purging.

Time: 9:55
pH: 9.8
Alkalinity: 37 mg/L
Water temperature: 19.0 °C
Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.8	1	J1	pH	1	GE
•		pH	9.8	1	J1	pH	1	GE
		Specific conductance	115	1		µS/cm	0	GE
		Turbidity	0.84	1		NTU	0	GE
		Turbidity	0.86	1		NTU	0	GE
		Acetophenone	<9.9	1		µg/L	0	GE
		Aldrin	<0.049	1		µg/L	0	GE
		Aluminum, total recoverable	289	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	12	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	11,700	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,900	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.097	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12CR collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.4	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.49	1		µg/L	0	GE
		Endrin	<0.0058	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	112	1	J	µg/L	0	GE
		Heptachlor	<0.049	1		µg/L	0	GE
		Iron, total recoverable	58	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0048	1		µg/L	0	GE
		Magnesium, total recoverable	261	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.49	1		µg/L	0	GE
		Naphthalene	<9.9	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	910	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,730	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	17,500	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	8,900	1		µg/L	0	GE
		Sulfate	2,810	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	2.3	1	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	79,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	25	1		µg/L	1	GE
		Total phosphates (as P)	90	1		µg/L	0	GE
		Toxaphene	<0.23	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.43	1		µg/L	0	GE
		Tributyl phosphate	<9.9	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	82	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.43	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	4.2E+00	1	UI	pCi/L	0	GP
		Gross alpha	-3.7E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	3.9E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Tritium	1.2E+00	1		pCi/mL	0	GP
		Uranium-233/234	5.6E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12CR collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Uranium-235	7.4E-02	1	UI	pCi/L	0	GP
		Uranium-238	7.4E-02	1	UI	pCi/L	0	GP

WELL BGO 12D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76805.2	33.287391 °N	237.8-217.8 ft msl	313.7 ft msl	4" PVC	S	Water Table (IB ₂)
E56231.1	81.667925 °W					

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 82.01 ft (25.00 m) below TOC
Water elevation: 231.69 ft (70.62 m) msl
Sp. conductance: 89 µS/cm
Turbidity: 4.5 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 9:40
pH: 6.4
Alkalinity: 12 mg/L
Water temperature: 18.5 °C
Volumes purged: 0.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1	J1	pH	0	GE
		Specific conductance	73	1		µS/cm	0	GE
		Turbidity	4.1	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	25	1	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	39	1		µg/L	0	GE
		Benzene	<5.0	5		µg/L	0	GE
		Bromodichloromethane	<5.0	5		µg/L	0	GE
		Bromoform	<5.0	5		µg/L	0	GE
		Bromomethane (Methyl bromide)	<5.0	5		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	7,350	1		µg/L	0	GE
		Carbon tetrachloride	<5.0	5		µg/L	0	GE
		Chloride	2,690	1		µg/L	0	GE
		Chlorobenzene	<5.0	5		µg/L	0	GE
		Chloroethane	<5.0	5		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<5.0	5		µg/L	0	GE
		2-Chloroethyl vinyl ether	<5.0	5		µg/L	0	GE
		Chloroform	<5.0	5		µg/L	0	GE
		Chloromethane (Methyl chloride)	<5.0	5		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<5.0	5		µg/L	0	GE
		1,1-Dichloroethane	<5.0	5		µg/L	0	GE
		1,2-Dichloroethane	<5.0	5		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	5		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	5		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12D collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	<5.0	5		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<5.0	5		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	5		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	5		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	5		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<5.0	5		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	13	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,150	1		µg/L	0	GE
		Manganese, total recoverable	4.7	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,900	1		µg/L	0	GE
		Phenols	7.1	1	J	µg/L	0	GE
		Potassium, total recoverable	1,050	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	5,900	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,280	1		µg/L	0	GE
		Sulfate	4,520	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	5		µg/L	0	GE
		Tetrachloroethylene	<5.0	5		µg/L	0	GE
		Tin, total recoverable	2.0	1	J	µg/L	0	GE
		Toluene	<5.0	5		µg/L	0	GE
		Total dissolved solids	47,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	49	1		µg/L	1	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	5		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	5		µg/L	0	GE
■		Trichloroethylene	83	5		µg/L	2	GE
		Trichlorofluoromethane	<5.0	5		µg/L	0	GE
		2,4,5-T	0.40	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<10	5		µg/L	0	GE
		Zinc, total recoverable	13	1		µg/L	0	GE
		Carbon-14	2.3E+01	1	J	pCi/L	0	GP
		Gross alpha	6.7E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	9.4E-01	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1	J	pCi/L	0	GP
■		Tritium	2.2E+01	1		pCi/mL	2	GP
		Uranium-233/234	9.8E-02	1	J	pCi/L	0	GP
		Uranium-235	1.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	8.1E-02	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 13DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76824.7 E55840.4	33.286797 °N 81.668992 °W	220.3-210.3 ft msl	319.3 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/19/94
Depth to water: 88.17 ft (26.87 m) below TOC
Water elevation: 231.13 ft (70.45 m) msl
Sp. conductance: 82 µS/cm
Turbidity: 11.8 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 11:17
pH: 7.1
Alkalinity: 20 mg/L
Water temperature: 20.1 °C
Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.5	1	J1	pH	0	GE
		Specific conductance	71	1		µS/cm	0	GE
		Turbidity	2.3	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	35	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	47	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	6,370	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,080	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	6.8	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 13DR collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	189	1		µg/L	1	GE
		Lead, total recoverable	22	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	383	1		µg/L	0	GE
		Manganese, total recoverable	73	1		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	5.8	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	830	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,280	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,970	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	6,000	1		µg/L	0	GE
		Sulfate	5,070	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	2.6	1	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	43,000	1		µg/L	0	GE
		Total dissolved solids	46,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	63	1		µg/L	0	GE
		Carbon-14	2.3E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.8E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	2.5E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	-3.0E-01	1		pCi/L	0	GP
		Tritium	1.8E+01	1		pCi/mL	1	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 13DR collected on 04/19/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-233/234	1.5E-01	1	J	pCi/L	0	GP
		Uranium-235	-6.5E-03	1	UI	pCi/L	0	GP
		Uranium-238	9.7E-02	1	UI	pCi/L	0	GP

WELL BGO 14AR

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N76351.8 E55788.9	33.285667 °N 81.668209 °W	106.8-96.8 ft msl	300.7 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 140.99 ft (42.97 m) below TOC
Water elevation: 159.71 ft (48.68 m) msl
Sp. conductance: 219 µS/cm
Turbidity: 0.5 NTU
Water evacuated before sampling: 215 gal

Time: 15:13
pH: 9.8
Alkalinity: 85 mg/L
Water temperature: 20.2 °C

Volumes purged: 5.2 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.8	1	J1	pH	1	GE
		Specific conductance	191	1		µS/cm	0	GE
		Specific conductance	191	1		µS/cm	0	GE
		Turbidity	0.92	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	309	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	5.6	1		µg/L	0	GE
		Barium, total recoverable	80	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	34,000	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,440	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14AR collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	105	1	J	µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	5.4	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	533	1		µg/L	0	GE
		Manganese, total recoverable	11	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	220	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	7,530	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	24,700	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,860	1		µg/L	0	GE
		Sulfate	4,150	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	15	1		µg/L	1	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	143,000	1	JV2	µg/L	0	GE
		Total organic carbon	1,200	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	160	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	1.8	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.39	1	JV2	µg/L	0	GE
		2,4,5-T	0.36	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	7.0E+00	1	J	pCi/L	0	GP
		Gross alpha	2.2E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	5.6E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14AR collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tritium	2.4E+00	1		pCi/mL	0	GP
		Uranium-233/234	6.6E-02	1	UI	pCi/L	0	GP
		Uranium-235	2.5E-01	1	J	pCi/L	0	GP
		Uranium-238	2.5E-01	1	J	pCi/L	0	GP

WELL BGO 14CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76337.8	33.285636 °N	200.1-190.1 ft msl	300.5 ft msl	4" PVC	S	Barnwell (IIB ₁)
E55789.0	81.668181 °W					

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 76.59 ft (23.34 m) below TOC
Water elevation: 223.91 ft (68.25 m) msl
Sp. conductance: 117 µS/cm
Turbidity: 5.3 NTU
Water evacuated before sampling: 18 gal
The well went dry during purging.

Time: 9:17
pH: 6.7
Alkalinity: 24 mg/L
Water temperature: 19.1 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.2	1	J1	pH	0	GE
		Specific conductance	72	1		µS/cm	0	GE
		Turbidity	6.0	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	229	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	12	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	4,660	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,620	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	8.2	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14CR collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	134	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	837	1		µg/L	0	GE
		Manganese, total recoverable	18	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,030	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	7,480	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	10,500	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	7,850	1		µg/L	0	GE
		Sulfate	7,440	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	16	1		µg/L	1	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	52,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	26	1		µg/L	1	GE
		Total organic halogens	25	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	1.3	1	J	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	52	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.44	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	55	1		µg/L	0	GE
		Carbon-14	4.8E+00	1	UI	pCi/L	0	GP
		Gross alpha	8.5E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14CR collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	2.3E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
■		Tritium	4.5E+01	1		pCi/mL	2	GP
		Uranium-233/234	5.4E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.2E-01	1	J	pCi/L	0	GP
		Uranium-238	1.1E-01	1	J	pCi/L	0	GP

WELL BGO 14DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76322.1 E55789.4	33.285602 °N 81.668150 °W	238.1-218.1 ft msl	300.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/05/94
Depth to water: 69.34 ft (21.14 m) below TOC
Water elevation: 230.96 ft (70.40 m) msl
Sp. conductance: 45 µS/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 53 gal

Time: 14:42
pH: 5.1
Alkalinity: 1 mg/L
Water temperature: 20.4 °C
Volumes purged: 6.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.5	1	J1	pH	0	GE
		Specific conductance	35	1		µS/cm	0	GE
		Turbidity	<0.10	1		NTU	0	GE
		Acetophenone	<9.9	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	6.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	823	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	4,010	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	15	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14DR collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<5.0	5		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	25	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	12	1		µg/L	0	GE
		Lead, total recoverable	4.8	1	J	µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	635	1		µg/L	0	GE
		Manganese, total recoverable	12	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<9.9	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,180	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,710	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,990	1		µg/L	0	GE
		Sulfate	1,740	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	44,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	91	1		µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		Tributyl phosphate	<9.9	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	162	5		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.36	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	6.3	1		µg/L	0	GE
		Carbon-14	2.4E+00	1	UI	pCi/L	0	GP
		Carbon-14	2.0E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.8E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	8.4E-01	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.8E+00	1		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14DR collected on 04/05/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tritium	1.2E+01	1		pCi/mL	1	GP
		Uranium-233/234	8.8E-02	1	J	pCi/L	0	GP
		Uranium-235	6.8E-02	1	J	pCi/L	0	GP
		Uranium-238	1.3E-01	1	J	pCi/L	0	GP

WELL BGO 15D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75973.5	33.284945 °N	238.7-218.7 ft msl	298.7 ft msl	4" PVC	S	Water Table (IIB ₂)
E55859.1	81.667289 °W					

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 68.06 ft (20.74 m) below TOC
Water elevation: 230.64 ft (70.30 m) msl
Sp. conductance: 35 µS/cm
Turbidity: 2.3 NTU
Water evacuated before sampling: 49 gal

Time: 14:43
pH: 5.3
Alkalinity: 1 mg/L
Water temperature: 21.1 °C

Volumes purged: 6.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1	J1	pH	0	GE
		Specific conductance	27	1		µS/cm	0	GE
		Specific conductance	27	1		µS/cm	0	GE
		Turbidity	2.0	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	49	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	9.1	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,750	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,210	1		µg/L	0	GE
		Chloride	2,260	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 15D collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0015	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	12	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	427	1		µg/L	0	GE
		Manganese, total recoverable	7.8	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,140	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,930	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,160	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
■		Tetrachloroethylene	5.8	1		µg/L	2	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	26,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	53	1		µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.00046	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	69	1		µg/L	2	GE
		Trichlorofluoromethane	1.4	1	J	µg/L	0	GE
•		2,4,5-T	<0.00046	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	1.9E+00	1	UI	pCi/L	0	GP
		Gross alpha	2.1E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.2E+00	1		pCi/L	0	GP
		Total activity	2.7E+05	1		pCi/L	0	EM
■		Tritium	2.6E+02	1		pCi/mL	2	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 15D collected on 04/06/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-233/234	1.8E-02	1	UI	pCi/L	0	GP
		Uranium-233/234	8.9E-02	1	J	pCi/L	0	GP
		Uranium-235	9.0E-03	1	UI	pCi/L	0	GP
		Uranium-235	1.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	6.5E-02	1	J	pCi/L	0	GP
		Uranium-238	-2.3E-02	1	UI	pCi/L	0	GP

WELL BGO 16AR

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N75743.2 E56217.1	33.285020 °N 81.665899 °W	113.7-103.7 ft msl	303.7 ft msl	4" PVC	S	Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/07/94
Depth to water: 142.75 ft (43.51 m) below TOC
Water elevation: 160.95 ft (49.06 m) msl
Sp. conductance: 200 µS/cm
Turbidity: 0.1 NTU
Water evacuated before sampling: 103 gal

Time: 13:46
pH: 7.5
Alkalinity: 78 mg/L
Water temperature: 19.8 °C
Volumes purged: 2.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.6	1	J1	pH	0	GE
		Specific conductance	180	1		µS/cm	0	GE
		Turbidity	<0.10	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	39	1		µg/L	0	GE
		Barium, total recoverable	38	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	29,000	1		µg/L	0	GE
		Calcium, total recoverable	28,700	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,030	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16AR collected on 04/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0015	1	J1	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0015	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	5.0	1	J	µg/L	0	GE
		Iron, total recoverable	4.8	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,080	1		µg/L	0	GE
		Magnesium, total recoverable	1,080	1		µg/L	0	GE
		Manganese, total recoverable	9.4	1		µg/L	0	GE
		Manganese, total recoverable	9.3	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	760	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,430	1		µg/L	0	GE
		Potassium, total recoverable	1,400	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	23,500	1		µg/L	0	GE
		Silica, total recoverable	23,300	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	7,010	1		µg/L	0	GE
		Sodium, total recoverable	6,970	1		µg/L	0	GE
		Sulfate	3,110	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	2.2	1	J	µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	131,000	1	JV2	µg/L	0	GE
		Total organic carbon	1,010	1	J	µg/L	0	GE
		Total organic halogens	5.2	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16AR collected on 04/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toxaphene	<0.24	1		µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.00045	1	J1	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.00045	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
•		2,4,5-T	<0.00045	1	J1	µg/L	0	GE
•		2,4,5-T	<0.00045	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	1.3E+00	1	UI	pCi/L	0	GP
		Gross alpha	8.2E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J	pCi/L	0	GP
		Tritium	3.9E-01	1	J	pCi/mL	0	GP
		Uranium-233/234	5.0E-01	1	J	pCi/L	0	GP
		Uranium-235	1.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	2.2E-01	1	J	pCi/L	0	GP

WELL BGO 16B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75767.5 E56183.8	33.285019 °N 81.666034 °W	146.0-136.0 ft msl	305.1 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/08/94
Depth to water: 86.47 ft (26.36 m) below TOC
Water elevation: 218.63 ft (66.64 m) msl
Sp. conductance: 227 µS/cm
Turbidity: 18.8 NTU
Water evacuated before sampling: 46 gal
The well went dry during purging.

Time: 10:16
pH: 9.9
Alkalinity: 85 mg/L
Water temperature: 18.1 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.0	1	J1	pH	0	GE
		Specific conductance	232	1		µS/cm	0	GE
		Specific conductance	231	1		µS/cm	0	GE
•		Turbidity	4.4	1	J1	NTU	0	GE
		Acetophenone	<9.7	1		µg/L	0	GE
		Aldrin	<0.049	1		µg/L	0	GE
		Aluminum, total recoverable	82	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	61	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16B collected on 04/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	39,800	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,110	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	4.4	1	J	µg/L	0	GE
		Copper, total recoverable	15	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.098	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.49	1		µg/L	0	GE
		Endrin	<0.0059	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.049	1		µg/L	0	GE
		Iron, total recoverable	332	1		µg/L	2	GE
		Lead, total recoverable	3.2	1	J	µg/L	0	GE
		Lindane	<0.0049	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16B collected on 04/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Magnesium, total recoverable	907	1		µg/L	0	GE
		Manganese, total recoverable	9.8	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.49	1		µg/L	0	GE
		Naphthalene	<9.7	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	590	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	5,250	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	15,000	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	7,980	1		µg/L	0	GE
		Sulfate	1,260	1	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	8.9	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	142,000	1		µg/L	0	GE
		Total organic carbon	1,320	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.40	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	60	1		µg/L	0	GE
		Carbon-14	4.7E+00	1	UI	pCi/L	0	GP
		Gross alpha	9.1E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Tritium	4.0E-01	1	J	pCi/mL	0	GP
		Uranium-233/234	1.2E-01	1	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	2.1E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75751.4 E56202.1	33.285013 °N 81.665954 °W	237.3-217.3 ft msl	304.6 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/08/94
Depth to water: 73.37 ft (22.36 m) below TOC
Water elevation: 231.23 ft (70.48 m) msl
Sp. conductance: 198 μ S/cm
Turbidity: 2.8 NTU
Water evacuated before sampling: 3 gal
The well went dry during purging.

Time: 10:04
pH: 9.4
Alkalinity: 78 mg/L
Water temperature: 17.8 °C

Volumes purged: 0.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.2	1	J1	pH	1	GE
		Specific conductance	155	1		μ S/cm	0	GE
•		Turbidity	3.2	1	J1	NTU	0	GE
•		Turbidity	3.2	1	J1	NTU	0	GE
		Acetophenone	<10	1		μ g/L	0	GE
		Aldrin	<0.050	1		μ g/L	0	GE
		Aluminum, total recoverable	216	1		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Barium, total recoverable	26	1		μ g/L	0	GE
		Benzene	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	GE
		Calcium, total recoverable	4,390	1		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Chloride	1,310	1		μ g/L	0	GE
		Chloride	1,230	1		μ g/L	0	GE
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1		μ g/L	0	GE
		Copper, total recoverable	72	1		μ g/L	0	GE
		Cyanide	<5.0	1		μ g/L	0	GE
		p,p'-DDT	<0.10	1		μ g/L	0	GE
		Dibromochloromethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16D collected on 04/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	237	1		µg/L	1	GE
		Lead, total recoverable	15	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	564	1		µg/L	0	GE
		Manganese, total recoverable	9.1	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	360	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	7,020	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,940	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	27,800	1		µg/L	0	GE
		Sulfate	2,000	1		µg/L	0	GE
		Sulfate	1,980	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	15	1		µg/L	1	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	97,000	1		µg/L	0	GE
		Total dissolved solids	100,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	15	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	8.6	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.32	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	49	1		µg/L	0	GE
		Carbon-14	3.4E+00	1	UI	pCi/L	0	GP
		Gross alpha	4.7E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	3.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	J	pCi/L	0	GP
		Total activity	4.7E+05	1		pCi/L	0	EM
■		Tritium	6.9E+02	1		pCi/mL	2	GP
		Uranium-233/234	8.5E-02	1	UI	pCi/L	0	GP
		Uranium-233/234	8.9E-02	1	UI	pCi/L	0	GP
		Uranium-235	-1.4E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.8E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.4E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16D collected on 04/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Uranium-238	5.8E-02	1	UI	pCi/L	0	GP

WELL BGO 17DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75604.0 E56407.2	33.285022 °N 81.665128 °W	236.9-216.9 ft msl	299.2 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/08/94
Depth to water: 65.89 ft (20.08 m) below TOC
Water elevation: 233.31 ft (71.11 m) msl
Sp. conductance: 26 µS/cm
Turbidity: 15.5 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 9:49
pH: 5.6
Alkalinity: 2 mg/L
Water temperature: 17.3 °C
Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	J1	pH	0	GE
•		pH	5.8	1	J1	pH	0	GE
		Specific conductance	19	1		µS/cm	0	GE
•		Turbidity	38	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	93	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	8.4	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,130	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,470	1		µg/L	0	GE
		Chloride	2,460	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 17DR collected on 04/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.6	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	29	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	351	1		µg/L	0	GE
		Manganese, total recoverable	12	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,250	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,210	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,500	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	17,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.47	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	1.3	1	J	µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.47	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	6.1	1		µg/L	0	GE
		Carbon-14	3.2E-01	1	UI	pCi/L	0	GP
		Gross alpha	1.4E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Tritium	1.4E+01	1		pCi/mL	1	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 17DR collected on 04/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-233/234	2.1E-01	1	J	pCi/L	0	GP
		Uranium-235	2.2E-02	1	UI	pCi/L	0	GP
		Uranium-238	2.1E-01	1	J	pCi/L	0	GP

WELL BGO 18A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N75599.9 E56699.7	33.285490 °N 81.664350 °W	109.5-99.5 ft msl	295.2 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/07/94
Depth to water: 133.91 ft (40.82 m) below TOC
Water elevation: 161.29 ft (49.16 m) msl
Sp. conductance: 201 µS/cm
Turbidity: 0.1 NTU
Water evacuated before sampling: 192 gal

Time: 11:36
pH: 6.9
Alkalinity: 75 mg/L
Water temperature: 19.4 °C

Volumes purged: 4.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.0	1	J1	pH	0	GE
		Specific conductance	182	1		µS/cm	0	GE
		Turbidity	<0.10	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	32	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	33,100	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,440	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 18A collected on 04/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0016	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	19	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	1,020	1		µg/L	0	GE
		Manganese, total recoverable	40	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,070	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	33,500	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,290	1		µg/L	0	GE
		Sulfate	7,240	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 18A collected on 04/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	137,000	1	JV2	µg/L	0	GE
		Total organic carbon	1,170	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	100	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.00047	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
•		2,4,5-T	<0.00047	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	6.9E+00	1	J	pCi/L	0	GP
		Gross alpha	1.3E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J	pCi/L	0	GP
		Tritium	5.1E-02	1	UI	pCi/mL	0	GP
		Uranium-233/234	1.5E-01	1	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.7E-01	1	J	pCi/L	0	GP

WELL BGO 18D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75600.0	33.285509 °N	239.6-219.6 ft msl	294.9 ft msl	4" PVC	S	Water Table (IIB ₂)
E56711.2	81.664320 °W					

FIELD MEASUREMENTS

Sample date: 04/07/94
Depth to water: 62.71 ft (19.11 m) below TOC
Water elevation: 232.19 ft (70.77 m) msl
Sp. conductance: 29 µS/cm
Turbidity: 0.1 NTU
Water evacuated before sampling: 131 gal

Time: 11:25
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 19.3 °C

Volumes purged: 15.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.3	1	J1	pH	0	GE
		Specific conductance	24	1		µS/cm	0	GE
		Turbidity	<0.10	1		NTU	0	GE
		Acetophenone	<9.7	1		µg/L	0	GE
		Aldrin	<0.053	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 18D collected on 04/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aluminum, total recoverable	38	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	8.7	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	672	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,920	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.11	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0016	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.53	1		µg/L	0	GE
		Endrin	<0.0063	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.053	1		µg/L	0	GE
		Iron, total recoverable	<4.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0053	1		µg/L	0	GE
		Magnesium, total recoverable	300	1		µg/L	0	GE
		Manganese, total recoverable	12	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.53	1		µg/L	0	GE
		Naphthalene	<9.7	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,340	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,160	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,920	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 18D collected on 04/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	26,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	6.8	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.00047	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
•		2,4,5-T	<0.00047	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	<2.0	1		µg/L	0	GE
		Carbon-14	6.5E+00	1	UI	pCi/L	0	GP
		Gross alpha	2.2E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.2E+00	1		pCi/L	0	GP
		Tritium	1.3E+01	1		pCi/mL	1	GP
		Uranium-233/234	1.4E-01	1	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.5E-02	1	UI	pCi/L	0	GP

WELL BGO 19D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75350.0	33.285423 °N	213.9-193.9 ft msl	287.2 ft msl	4" PVC	S	Water Table (IIB ₂)
E56997.3	81.663081 °W					

FIELD MEASUREMENTS

Sample date: 04/07/94
Depth to water: 57.29 ft (17.46 m) below TOC
Water elevation: 229.91 ft (70.08 m) msl
Sp. conductance: 40 µS/cm
Turbidity: 2.1 NTU
Water evacuated before sampling: 160 gal

Time: 10:56
pH: 6.1
Alkalinity: 5 mg/L
Water temperature: 19.3 °C
Volumes purged: 6.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	J1	pH	0	GE
		Specific conductance	31	1		µS/cm	0	GE
		Turbidity	9.9	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	38	1		µg/L	1	GE
		Aluminum, total recoverable	36	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	21	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 19D collected on 04/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	21	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	3,410	1		µg/L	0	GE
		Calcium, total recoverable	3,420	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,300	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0016	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	22	1		µg/L	0	GE
		Iron, total recoverable	22	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	320	1		µg/L	0	GE
		Magnesium, total recoverable	323	1		µg/L	0	GE
		Manganese, total recoverable	13	1		µg/L	0	GE
		Manganese, total recoverable	13	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,340	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 19D collected on 04/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silica, total recoverable	8,940	1		µg/L	0	GE
		Silica, total recoverable	8,980	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,890	1		µg/L	0	GE
		Sodium, total recoverable	2,920	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	39,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
●		2,4,5-TP (Silvex)	<0.00049	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
●		2,4,5-T	<0.00049	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	7.6	1		µg/L	0	GE
		Zinc, total recoverable	7.5	1		µg/L	0	GE
		Carbon-14	2.6E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.1E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	5.5E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J	pCi/L	0	GP
■		Tritium	7.5E+01	1		pCi/mL	2	GP
		Uranium-233/234	2.3E-02	1	UI	pCi/L	0	GP
		Uranium-235	-1.6E-03	1	UI	pCi/L	0	GP
		Uranium-238	5.9E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 20D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74962.2 E57113.8	33.284755 °N 81.662021 °W	236.3-216.3 ft msl	283.7 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/08/94
Depth to water: 49.54 ft (15.10 m) below TOC
Water elevation: 234.16 ft (71.37 m) msl
Sp. conductance: 82 µS/cm
Turbidity: 5.2 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 10:32
pH: 5.5
Alkalinity: 3 mg/L
Water temperature: 17.2 °C

Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	J1	pH	0	GE
		Specific conductance	59	1		µS/cm	0	GE
•		Turbidity	1.3	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.049	1		µg/L	0	GE
		Aluminum, total recoverable	24	1	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	44	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	5,060	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,960	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.097	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.49	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 20D collected on 04/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0058	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.049	1		µg/L	0	GE
		Iron, total recoverable	90	1		µg/L	0	GE
		Lead, total recoverable	6.8	1		µg/L	0	GE
		Lindane	<0.0049	1		µg/L	0	GE
		Magnesium, total recoverable	1,220	1		µg/L	0	GE
		Manganese, total recoverable	37	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.49	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,980	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	721	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,650	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,490	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	38,000	1		µg/L	0	GE
		Total organic carbon	1,620	1	J	µg/L	0	GE
		Total organic halogens	6.8	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.23	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.39	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	26	1		µg/L	0	GE
		Carbon-14	-3.7E-01	1	UI	pCi/L	0	GP
		Gross alpha	1.5E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J	pCi/L	0	GP
■		Tritium	2.2E+01	1		pCi/mL	2	GP
		Uranium-233/234	8.5E-02	1	UI	pCi/L	0	GP
		Uranium-235	3.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	-1.8E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 21D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74688.5 E57470.7	33.284732 °N 81.660549 °W	237.7-217.7 ft msl	285.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/08/94
Depth to water: 50.47 ft (15.38 m) below TOC
Water elevation: 234.93 ft (71.61 m) msl
Sp. conductance: 87 µS/cm
Turbidity: 27.3 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 9:31
pH: 5.9
Alkalinity: 2 mg/L
Water temperature: 15.7 °C
Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	J1	pH	0	GE
		Specific conductance	69	1		µS/cm	0	GE
•		Turbidity	6.4	1	J1	NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	29	1	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	45	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	2,020	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	5,810	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 21D collected on 04/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	79	1		µg/L	0	GE
		Lead, total recoverable	8.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	647	1		µg/L	0	GE
		Manganese, total recoverable	15	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,780	2		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,780	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	5,200	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,420	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	7,660	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	11	1		µg/L	1	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	52,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	8.6	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.41	1		µg/L	0	GE
		2,4,5-T	0.43	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	19	1		µg/L	0	GE
		Carbon-14	1.4E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.2E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	5.1E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1	J	pCi/L	0	GP
■		Tritium	3.2E+01	1		pCi/mL	2	GP
		Uranium-233/234	3.9E-02	1	UI	pCi/L	0	GP
		Uranium-235	3.9E-02	1	UI	pCi/L	0	GP
		Uranium-238	5.1E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 22DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74471.5 E57831.5	33.284841 °N 81.659178 °W	239.2-219.2 ft msl	286.1 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/08/94
Depth to water: 49.06 ft (14.95 m) below TOC
Water elevation: 237.04 ft (72.25 m) msl
Sp. conductance: 26 µS/cm
Turbidity: 219 NTU
Water evacuated before sampling: 14 gal
The well went dry during purging.

Time: 9:16
pH: 5.6
Alkalinity: 3 mg/L
Water temperature: 17.9 °C

Volumes purged: 1.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1	J1	pH	0	GE
		Specific conductance	25	1		µS/cm	0	GE
•		Turbidity	77	2	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	238	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	9.3	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	960	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,260	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	18	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 22DR collected on 04/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	118	1		µg/L	0	GE
		Lead, total recoverable	9.8	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	788	1		µg/L	0	GE
		Manganese, total recoverable	8.1	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	4.7	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	900	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	934	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,680	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,270	1		µg/L	0	GE
		Sulfate	1,370	1	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	2.6	1	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	22,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.42	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	28	1		µg/L	0	GE
		Carbon-14	-2.4E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.1E+00	1	J	pCi/L	0	GP
		Gross alpha	1.4E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.5E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1	J	pCi/L	0	GP
■		Tritium	3.7E+01	1		pCi/mL	2	GP
		Uranium-233/234	6.7E-02	1	UI	pCi/L	0	GP
		Uranium-235	-2.0E-02	1	UI	pCi/L	0	GP
		Uranium-238	6.7E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 23D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74238.1 E58133.0	33.284817 °N 81.657930 °W	242.0-222.0 ft msl	289.2 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/07/94	Time: 12:41
Depth to water: 53.10 ft (16.19 m) below TOC	pH: 5.8
Water elevation: 236.10 ft (71.96 m) msl	Alkalinity: 4 mg/L
Sp. conductance: 40 µS/cm	Water temperature: 20.8 °C
Turbidity: 0.3 NTU	
Water evacuated before sampling: 34 gal	Volumes purged: 3.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1	J1	pH	0	GE
		Specific conductance	33	1		µS/cm	0	GE
		Turbidity	0.16	1	J	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	7.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,190	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	961	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	20	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0016	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 23D collected on 04/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	4.7	1	J	µg/L	0	GE
		Lead, total recoverable	5.4	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	369	1		µg/L	0	GE
		Manganese, total recoverable	5.8	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,600	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	824	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,350	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,130	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	2.3	1	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	30,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
●		2,4,5-TP (Silvex)	<0.00047	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
●		2,4,5-T	<0.00047	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	25	1		µg/L	0	GE
		Carbon-14	8.5E-01	1	UI	pCi/L	0	GP
		Gross alpha	-1.4E+00	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	J	pCi/L	0	GP
■		Tritium	2.1E+01	1		pCi/mL	2	GP
		Uranium-233/234	<0.0E+00	1		pCi/L	0	GP
		Uranium-235	-7.3E-03	1	UI	pCi/L	0	GP
		Uranium-238	8.1E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 24D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74012.4 E58438.8	33.284816 °N 81.656687 °W	241.0-221.0 ft msl	293.2 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/08/94
Depth to water: 56.35 ft (17.18 m) below TOC
Water elevation: 236.85 ft (72.19 m) msl
Sp. conductance: 80 µS/cm
Turbidity: 18.8 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 8:57
pH: 9.6
Alkalinity: 23 mg/L
Water temperature: 17.1 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.0	1	J1	pH	0	GE
		Specific conductance	58	1		µS/cm	0	GE
•		Turbidity	9.0	1	J1	NTU	0	GE
•		Turbidity	9.0	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.053	1		µg/L	0	GE
		Aluminum, total recoverable	438	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	14	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	8,210	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,550	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.11	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 24D collected on 04/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.53	1		µg/L	0	GE
		Endrin	<0.0064	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.053	1		µg/L	0	GE
		Iron, total recoverable	87	1		µg/L	0	GE
		Lead, total recoverable	3.4	1	J	µg/L	0	GE
		Lindane	<0.0053	1		µg/L	0	GE
		Magnesium, total recoverable	125	1		µg/L	0	GE
		Manganese, total recoverable	11	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.53	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	900	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	610	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,070	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,910	1		µg/L	0	GE
		Sulfate	2,770	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	39,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.26	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.25	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Zinc, total recoverable	11	1		µg/L	0	GE
		Carbon-14	1.3E+00	1	UI	pCi/L	0	GP
		Gross alpha	5.2E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
		Tritium	8.4E+00	1		pCi/mL	0	GP
		Tritium	8.2E+00	1		pCi/mL	0	GP
		Uranium-233/234	3.6E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	3.6E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 25A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76158.5 E55668.1	33.285042 °N 81.668151 °W	114.1-104.1 ft msl	296.5 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/06/94	Time: 8:33
Depth to water: 135.64 ft (41.34 m) below TOC	pH: 7.6
Water elevation: 160.86 ft (49.03 m) msl	Alkalinity: 101 mg/L
Sp. conductance: 265 µS/cm	Water temperature: 18.9 °C
Turbidity: 0.9 NTU	
Water evacuated before sampling: 23 gal	Volumes purged: 0.6 well volumes
The well went dry during purging.	

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.7	1	J1	pH	0	GE
		Specific conductance	243	1		µS/cm	0	GE
		Specific conductance	245	1		µS/cm	0	GE
		Turbidity	0.32	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	37	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	47,600	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,240	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	5.7	1	J	µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 25A collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	47	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	802	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	716	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	43,300	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,240	1		µg/L	0	GE
		Sulfate	7,800	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
•		Total dissolved solids	177,000	1	J1	µg/L	0	GE
		Total organic carbon	1,270	1	J	µg/L	0	GE
		Total organic carbon	1,200	1	J	µg/L	0	GE
		Total organic halogens	2.6	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 25A collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.42	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	-7.6E-02	1	UI	pCi/L	0	GP
		Nonvolatile beta	6.4E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Tritium	1.1E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	7.3E-02	1	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.3E-01	1	J	pCi/L	0	GP

WELL BGO 26D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76128.0	33.283910 °N	233.5-213.4 ft msl	285.5 ft msl	4" PVC	S	Water Table (IIB ₂)
E55015.2	81.669811 °W					

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 57.21 ft (17.44 m) below TOC
Water elevation: 228.29 ft (69.58 m) msl
Sp. conductance: 30 µS/cm
Turbidity: 7.7 NTU
Water evacuated before sampling: 9 gal
The well went dry during purging.

Time: 9:56
pH: 4.9
Alkalinity: 0 mg/L
Water temperature: 19.1 °C
Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1	J1	pH	0	GE
		Specific conductance	26	1		µS/cm	0	GE
		Turbidity	23	1		NTU	0	GE
		Turbidity	22	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	223	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	6.4	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 26D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,020	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,460	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	37	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	151	1		µg/L	1	GE
		Lead, total recoverable	9.7	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	430	1		µg/L	0	GE
		Manganese, total recoverable	12	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	0.24	1	J	µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	910	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,840	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,140	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	1.3	1	J	µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	22,000	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 26D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	10	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	4.7	1		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.8E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1	J	pCi/L	0	GP
		Tritium	6.9E+00	1		pCi/mL	0	GP
		Uranium-233/234	<0.0E+00	1		pCi/L	0	GP
		Uranium-235	5.7E-02	1	UI	pCi/L	0	GP
		Uranium-238	4.9E-02	1	UI	pCi/L	0	GP

WELL BGO 27C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75666.3	33.282328 °N	163.9-154.9 ft msl	276 ft msl	4" PVC	S	McBean (IIB ₁)
E54671.4	81.669820 °W					

FIELD MEASUREMENTS

Sample date: 04/11/94
Depth to water: 54.79 ft (16.70 m) below TOC
Water elevation: 221.21 ft (67.43 m) msl
Sp. conductance: 118 µS/cm
Turbidity: 0.7 NTU
Water evacuated before sampling: 150 gal

Time: 14:08
pH: 7.1
Alkalinity: 35 mg/L
Water temperature: 19.8 °C
Volumes purged: 3.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1	J1	pH	0	GE
•		pH	7.3	1	J1	pH	0	GE
		Specific conductance	106	1		µS/cm	0	GE
		Turbidity	0.29	1		NTU	0	GE
		Acetophenone	<9.7	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	39	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	3.3	1	J	µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 27C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	18,700	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,860	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	114	1	J	µg/L	0	GE
		Fluoride	114	1	J	µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 27C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	9.9	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	297	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<9.7	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,280	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	9,210	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,630	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	68,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	14	1		µg/L	0	GE
		Total organic halogens	16	1		µg/L	0	GE
		Total phosphates (as P)	280	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<9.7	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	26	1		µg/L	2	GE
■		Trichloroethylene	26	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.40	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	4.1E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
■		Tritium	7.4E+01	1		pCi/mL	2	GP
		Uranium-233/234	5.1E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	5.5E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 27D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75677.3 E54680.2	33.282366 °N 81.669818 °W	229.3-209.3 ft msl	276.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 48.31 ft (14.73 m) below TOC
Water elevation: 227.99 ft (69.49 m) msl
Sp. conductance: 37 µS/cm
Turbidity: 35.2 NTU
Water evacuated before sampling: 13 gal
The well went dry during purging.

Time: 10:21
pH: 4.9
Alkalinity: 0 mg/L
Water temperature: 19.4 °C

Volumes purged: 1.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.5	1	J1	pH	0	GE
		Specific conductance	29	1		µS/cm	0	GE
		Turbidity	24	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	4,000	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	18	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,030	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,630	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	6.6	1	J	µg/L	0	GE
		Copper, total recoverable	112	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 27D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	1,810	1		µg/L	2	GE
		Lead, total recoverable	34	1		µg/L	1	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,220	1		µg/L	0	GE
		Manganese, total recoverable	29	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	4.4	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,840	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	990	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	47,000	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,380	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	23,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	15	1		µg/L	0	GE
		Total organic halogens	16	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.9E+00	1		pCi/L	0	GP
		Nonvolatile beta	3.2E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1		pCi/L	0	GP
■		Tritium	3.1E+01	1		pCi/mL	2	GP
		Uranium-233/234	8.3E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.0E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 28D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75348.3 E54457.9	33.281276 °N 81.669764 °W	230.1-210.1 ft msl	277.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 50.72 ft (15.46 m) below TOC
Water elevation: 226.68 ft (69.09 m) msl
Sp. conductance: 108 µS/cm
Turbidity: 51.7 NTU
Water evacuated before sampling: 10 gal
The well went dry during purging.

Time: 10:40
pH: 5.4
Alkalinity: 7 mg/L
Water temperature: 20.6 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1	J1	pH	0	GE
		Specific conductance	91	1		µS/cm	0	GE
•		Turbidity	32	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.053	1		µg/L	0	GE
		Aluminum, total recoverable	482	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	36	1		µg/L	0	GE
		Benzene	<5.0	5		µg/L	0	GE
		Benzene	<5.0	5	Y	µg/L	0	GE
		Bromodichloromethane	<5.0	5		µg/L	0	GE
		Bromodichloromethane	<5.0	5	Y	µg/L	0	GE
		Bromoform	<5.0	5		µg/L	0	GE
		Bromoform	<5.0	5	Y	µg/L	0	GE
		Bromomethane (Methyl bromide)	<5.0	5		µg/L	0	GE
		Bromomethane (Methyl bromide)	<5.0	5	Y	µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	4,960	1		µg/L	0	GE
		Carbon tetrachloride	<5.0	5		µg/L	0	GE
		Carbon tetrachloride	<5.0	5	Y	µg/L	0	GE
		Chloride	10,700	1		µg/L	0	GE
		Chlorobenzene	<5.0	5		µg/L	0	GE
		Chlorobenzene	<5.0	5	Y	µg/L	0	GE
		Chloroethane	<5.0	5		µg/L	0	GE
		Chloroethane	<5.0	5	Y	µg/L	0	GE
■		Chloroethene (Vinyl chloride)	94	5		µg/L	2	GE
■		Chloroethene (Vinyl chloride)	96	5	Y	µg/L	2	GE
		2-Chloroethyl vinyl ether	<5.0	5		µg/L	0	GE
		2-Chloroethyl vinyl ether	<5.0	5	Y	µg/L	0	GE
		Chloroform	<5.0	5		µg/L	0	GE
		Chloroform	<5.0	5	Y	µg/L	0	GE
		Chloromethane (Methyl chloride)	<5.0	5		µg/L	0	GE
		Chloromethane (Methyl chloride)	<5.0	5	Y	µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	9.5	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.11	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 28D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dibromochloromethane	<5.0	5		µg/L	0	GE
		Dibromochloromethane	<5.0	5	Y	µg/L	0	GE
		1,1-Dichloroethane	48	5		µg/L	2	GE
		1,1-Dichloroethane	50	5	Y	µg/L	2	GE
		1,2-Dichloroethane	<5.0	5		µg/L	0	GE
		1,2-Dichloroethane	<5.0	5	Y	µg/L	0	GE
		1,1-Dichloroethylene	<5.0	5		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	5	Y	µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	5		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	5	Y	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	5		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	5	Y	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<5.0	5		µg/L	0	GE
		1,2-Dichloropropane	<5.0	5	Y	µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	5		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	5	Y	µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	5		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	5	Y	µg/L	0	GE
		Dieldrin	<0.53	1		µg/L	0	GE
		Endrin	<0.0064	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<5.0	5	Y	µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.053	1		µg/L	0	GE
		Iron, total recoverable	538	1		µg/L	2	GE
		Lead, total recoverable	15	1		µg/L	0	GE
		Lindane	<0.0053	1		µg/L	0	GE
		Magnesium, total recoverable	739	1		µg/L	0	GE
		Manganese, total recoverable	73	1		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.53	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	11	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	700	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	784	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,000	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	10,400	1		µg/L	0	GE
		Sulfate	5,860	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	5		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	5	Y	µg/L	0	GE
		Tetrachloroethylene	<5.0	5		µg/L	0	GE
		Tetrachloroethylene	<5.0	5	Y	µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<5.0	5		µg/L	0	GE
		Toluene	<5.0	5	Y	µg/L	0	GE
		Total dissolved solids	65,000	1	JV2	µg/L	0	GE
		Total organic carbon	3,120	1		µg/L	0	GE
		Total organic halogens	468	4		µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.26	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 28D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tributyl phosphate	15	1	J	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	5		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	5	Y	µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	5		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	5	Y	µg/L	0	GE
■		Trichloroethylene	208	5		µg/L	2	GE
■		Trichloroethylene	204	5	Y	µg/L	2	GE
		Trichlorofluoromethane	<5.0	5		µg/L	0	GE
		Trichlorofluoromethane	<5.0	5	Y	µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<10	5		µg/L	0	GE
		Xylenes	<10	5	Y	µg/L	0	GE
		Gross alpha	2.2E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	2.8E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J	pCi/L	0	GP
		Total activity	2.2E+08	100		pCi/L	0	EM
■		Tritium	1.6E+05	1		pCi/mL	2	GP
		Uranium-233/234	7.7E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.6E-02	1	UI	pCi/L	0	GP

WELL BGO 29A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75560.0	33.281166 °N	112.5-102.5 ft msl	264.2 ft msl	4" PVC	S	U. Congaree (IIA)
E54103.5	81.671108 °W					

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 104.47 ft (31.84 m) below TOC
Water elevation: 159.73 ft (48.69 m) msl
Sp. conductance: 117 µS/cm
Turbidity: 14.9 NTU
Water evacuated before sampling: 38 gal
The well went dry during purging.

Time: 9:05
pH: 7.5
Alkalinity: 37 mg/L
Water temperature: 19.0 °C
Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
●		pH	7.9	1	J1	pH	0	GE
		Specific conductance	115	1		µS/cm	0	GE
		Turbidity	20	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	643	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1	J3	µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	21	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29A collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	20,100	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,780	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	408	1		µg/L	2	GE
		Lead, total recoverable	4.8	1	J	µg/L	0	GE
		Lead, total recoverable	4.8	1	J	µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	603	1		µg/L	0	GE
		Manganese, total recoverable	15	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	910	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1	J3	µg/L	0	GE
		Silica, total recoverable	15,500	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,330	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	76,000	1		µg/L	0	GE
		Total organic carbon	1,590	1	J	µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29A collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	320	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	2.9	1		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	7.3E-02	1	UI	pCi/L	0	GP
		Gross alpha	2.4E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	5.6E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	3.6E-02	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
		Tritium	1.2E+01	1		pCi/mL	1	GP
		Uranium-233/234	-5.3E-03	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	8.3E-02	1	UI	pCi/L	0	GP

WELL BGO 29C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75577.8	33.281198 °N	186.8-176.8 ft msl	264.8 ft msl	4" PVC	S	Barnwell (IIB ₁)
E54099.1	81.671154 °W					

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 41.59 ft (12.68 m) below TOC
Water elevation: 223.21 ft (68.04 m) msl
Sp. conductance: 50 µS/cm
Turbidity: 1.3 NTU
Water evacuated before sampling: 26 gal
The well went dry during purging.

Time: 8:47
pH: 5.4
Alkalinity: 1 mg/L
Water temperature: 18.9 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	J1	pH	0	GE
		Specific conductance	36	1		µS/cm	0	GE
		Turbidity	1.8	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	99	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	18	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29C collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	2,780	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,180	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	62	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	617	1		µg/L	0	GE
		Manganese, total recoverable	11	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,150	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,290	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,080	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	28,000	1		µg/L	0	GE
		Total organic carbon	1,010	1	J	µg/L	0	GE
		Total organic halogens	9.4	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29C collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	1.2	1	J	µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.0E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J	pCi/L	0	GP
		Tritium	1.1E+01	1		pCi/mL	1	GP
		Uranium-233/234	5.7E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	<0.0E+00	1		pCi/L	0	GP

WELL BGO 29D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75592.5	33.281231 °N	228.5-208.5 ft msl	265.5 ft msl	4" PVC	S	Water Table (IIB ₂)
E54099.4	81.671182 °W					

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 38.88 ft (11.85 m) below TOC
Water elevation: 226.62 ft (69.07 m) msl
Sp. conductance: 72 µS/cm
Turbidity: 15.7 NTU
Water evacuated before sampling: 11 gal
The well went dry during purging.

Time: 8:31
pH: 4.9
Alkalinity: 0 mg/L
Water temperature: 18.6 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.3	1	J1	pH	0	GE
		Specific conductance	48	1		µS/cm	0	GE
		Turbidity	35	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	1,820	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	35	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	3,570	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,310	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	7.5	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	1,090	1		µg/L	2	GE
		Lead, total recoverable	4.4	1	J	µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	949	1		µg/L	0	GE
		Manganese, total recoverable	66	1		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	8.8	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	870	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	709	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	12,200	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,430	1		µg/L	0	GE
		Sulfate	8,800	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	2.9	1	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	34,000	1		µg/L	0	GE
		Total organic carbon	1,250	1	J	µg/L	0	GE
		Total organic halogens	9.4	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	3.1E+00	1		pCi/L	0	GP
		Nonvolatile beta	3.8E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.6E+00	1		pCi/L	0	GP
■		Tritium	4.2E+01	1		pCi/mL	2	GP
		Uranium-233/234	-5.8E-03	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	9.1E-02	1	UI	pCi/L	0	GP

WELL BGO 30C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75181.0	33.280995 °N	188.4-178.4 ft msl	274.5 ft msl	4" PVC	S	McBean (IIB ₁)
E54512.3	81.669296 °W					

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 54.81 ft (16.71 m) below TOC
Water elevation: 219.69 ft (66.96 m) msl
Sp. conductance: 44 µS/cm
Turbidity: 26.5 NTU
Water evacuated before sampling: 25 gal
The well went dry during purging.

Time: 11:00
pH: 6.1
Alkalinity: 8 mg/L
Water temperature: 21.2 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.0	1	J1	pH	0	GE
		Specific conductance	38	1		µS/cm	0	GE
•		Turbidity	19	1	J1	NTU	0	GE
•		Turbidity	19	1	J1	NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	222	1		µg/L	2	GE
		Aluminum, total recoverable	220	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	12	1		µg/L	0	GE
		Barium, total recoverable	12	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	3,150	1		µg/L	0	GE
		Calcium, total recoverable	3,150	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,260	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 30C collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	4.0	1	J	µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	171	1		µg/L	1	GE
		Iron, total recoverable	171	1		µg/L	1	GE
		Lead, total recoverable	4.1	1	J	µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	260	1		µg/L	0	GE
		Magnesium, total recoverable	259	1		µg/L	0	GE
		Manganese, total recoverable	18	1		µg/L	0	GE
		Manganese, total recoverable	18	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	430	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	946	1		µg/L	0	GE
		Potassium, total recoverable	949	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	9,280	1		µg/L	0	GE
		Silica, total recoverable	9,250	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,110	1		µg/L	0	GE
		Sodium, total recoverable	3,090	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 30C collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	29,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	18	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<11	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	9.9	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	7.5E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	6.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
		Total activity	5.0E+05	1		pCi/L	0	EM
■		Tritium	5.0E+02	1		pCi/mL	2	GP
		Uranium-233/234	9.2E-02	1	UI	pCi/L	0	GP
		Uranium-235	4.9E-02	1	UI	pCi/L	0	GP
		Uranium-238	4.3E-02	1	UI	pCi/L	0	GP

WELL BGO 30D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75187.7 E54499.2	33.280988 °N 81.669343 °W	227.8-207.8 ft msl	274.8 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 48.57 ft (14.80 m) below TOC
Water elevation: 226.23 ft (68.96 m) msl
Sp. conductance: 156 µS/cm
Turbidity: 7.9 NTU
Water evacuated before sampling: 14 gal
The well went dry during purging.

Time: 11:16
pH: 5.7
Alkalinity: 17 mg/L
Water temperature: 21.8 °C

Volumes purged: 1.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1	J1	pH	0	GE
		Specific conductance	133	1		µS/cm	0	GE
•		Turbidity	2.6	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	249	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 30D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	57	1		µg/L	0	GE
		Benzene	1.3	1	J	µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	11,400	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
•		Chloride	16,900	2	J1	µg/L	0	GE
•		Chloride	17,000	2	J1	µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
■		Chloroethene (Vinyl chloride)	5.5	1		µg/L	2	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	33	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	67	1		µg/L	2	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
■		1,1-Dichloroethylene	13	1		µg/L	2	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.2	1	J	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	85	1		µg/L	0	GE
		Lead, total recoverable	23	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	1,270	1		µg/L	0	GE
		Manganese, total recoverable	71	1		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,540	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,080	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	11,900	1		µg/L	0	GE
		Sulfate	1,270	1	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	3.9	1		µg/L	1	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 30D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	97,000	1	JV2	µg/L	0	GE
		Total organic carbon	3,750	1		µg/L	0	GE
		Total organic carbon	3,730	1		µg/L	0	GE
•		Total organic halogens	420	10	J1	µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	60	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	7.2	1		µg/L	0	GE
		Gross alpha	5.9E+00	1		pCi/L	0	GP
		Nonvolatile beta	3.7E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.5E+00	1		pCi/L	0	GP
		Total activity	3.9E+07	50		pCi/L	0	EM
■		Tritium	3.9E+04	1		pCi/mL	2	GP
		Uranium-233/234	6.0E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	5.0E-02	1	UI	pCi/L	0	GP

WELL BGO 31C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74978.0 E54816.2	33.281042 °N 81.668101 °W	186.4-176.4 ft msl	273.1 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 47.10 ft (14.36 m) below TOC
Water elevation: 226.00 ft (68.89 m) msl
Sp. conductance: 31 µS/cm
Turbidity: 4.1 NTU
Water evacuated before sampling: 27 gal
The well went dry during purging.

Time: 11:44
pH: 5.1
Alkalinity: 0 mg/L
Water temperature: 22.0 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1	J1	pH	0	GE
		Specific conductance	25	1		µS/cm	0	GE
•		Turbidity	2.3	1	J1	NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1	J3	µg/L	0	GE
		Aluminum, total recoverable	29	1	J	µg/L	1	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 31C collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	7.4	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,530	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,990	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	4.6	1	J	µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1	J3	µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1	J3	µg/L	0	GE
		Endrin	<0.0060	1	J3	µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1	J3	µg/L	0	GE
		Iron, total recoverable	14	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1	J3	µg/L	0	GE
		Magnesium, total recoverable	511	1		µg/L	0	GE
		Manganese, total recoverable	8.2	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1	J3	µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,100	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,320	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,680	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	2.4	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 31C collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	29,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
•		Total organic halogens	12	1	J1	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<11	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	4.0	1		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.7E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J	pCi/L	0	GP
		Total activity	2.9E+06	10		pCi/L	0	EM
■		Tritium	2.8E+03	1		pCi/mL	2	GP
		Uranium-233/234	3.3E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.7E-02	1	UI	pCi/L	0	GP
		Uranium-238	-5.9E-03	1	UI	pCi/L	0	GP

WELL BGO 31D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74985.3	33.281099 °N	231.1-211.1 ft msl	273.7 ft msl	4" PVC	S	Water Table (IIB ₂)
E54841.7	81.668048 °W					

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 46.46 ft (14.16 m) below TOC
Water elevation: 227.24 ft (69.26 m) msl
Sp. conductance: 37 µS/cm
Turbidity: 28.1 NTU
Water evacuated before sampling: 6 gal
The well went dry during purging.

Time: 11:59
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 21.3 °C
Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1	J1	pH	0	GE
		Specific conductance	30	1		µS/cm	0	GE
		Turbidity	9.9	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	1,220	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 31D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	7.7	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	512	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,270	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	15	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	685	1		µg/L	2	GE
		Lead, total recoverable	8.3	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,480	1		µg/L	0	GE
		Manganese, total recoverable	8.3	1		µg/L	0	GE
		Mercury, total recoverable	0.37	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,120	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	9,430	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,260	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 31D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	26,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	27	1		µg/L	1	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.3E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.9E+00	1		pCi/L	0	GP
		Tritium	6.5E+00	1		pCi/mL	0	GP
		Uranium-233/234	3.7E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.3E-01	1	UI	pCi/L	0	GP
		Uranium-238	1.1E-01	1	UI	pCi/L	0	GP

WELL BGO 32D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74727.0	33.281195 °N	234.5-214.5 ft msl	281.7 ft msl	4" PVC	S	Water Table (IIB ₂)
E55250.2	81.666471 °W					

FIELD MEASUREMENTS

Sample date: 04/15/94
Depth to water: 53.67 ft (16.36 m) below TOC
Water elevation: 228.03 ft (69.50 m) msl
Sp. conductance: 86 µS/cm
Turbidity: 65.1 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 8:41
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 20.3 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.0	1	J1	pH	0	GE
		Specific conductance	73	1		µS/cm	0	GE
		Specific conductance	73	1		µS/cm	0	GE
•		Turbidity	79	8	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	855	1		µg/L	2	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 32D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	90	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	794	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	6,730	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	308	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	393	1		µg/L	2	GE
		Lead, total recoverable	31	1		µg/L	1	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	1,430	1		µg/L	0	GE
		Manganese, total recoverable	18	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	5.5	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	4,100	10		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,050	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,430	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	7,430	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 32D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
■		Tetrachloroethylene	6.9	1		µg/L	2	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	63,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	170	1		µg/L	0	GE
		Total phosphates (as P)	150	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	5.9	1		µg/L	2	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.057	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
■		Gross alpha	1.5E+01	1		pCi/L	2	GP
		Nonvolatile beta	9.6E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	6.3E+00	1		pCi/L	0	GP
■		Tritium	1.1E+03	1		pCi/mL	2	GP
		Uranium-233/234	7.0E-02	1	UI	pCi/L	0	GP
		Uranium-235	-1.7E-02	1	UI	pCi/L	0	GP
		Uranium-238	8.6E-02	1	J	pCi/L	0	GP

WELL BGO 33C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74479.7 E55681.4	33.281351 °N 81.664855 °W	187.8-177.8 ft msl	279.4 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/11/94
Depth to water: 53.88 ft (16.42 m) below TOC
Water elevation: 225.52 ft (68.74 m) msl
Sp. conductance: 59 µS/cm
Turbidity: 0.6 NTU
Water evacuated before sampling: 220 gal

Time: 10:33
pH: 5.7
Alkalinity: 4 mg/L
Water temperature: 19.9 °C

Volumes purged: 7.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1	J1	pH	0	GE
		Specific conductance	50	1		µS/cm	0	GE
		Specific conductance	50	1		µS/cm	0	GE
•		Turbidity	0.29	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE

• = exceeded timing time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 33C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aluminum, total recoverable	38	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	11	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	4,370	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	5,970	1		µg/L	0	GE
		Chloride	5,990	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	14	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1	J3	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1	J1	µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	6.4	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	671	1		µg/L	0	GE
		Manganese, total recoverable	30	1		µg/L	1	GE
		Mercury, total recoverable	1.4	1		µg/L	1	GE
		Mercury, total recoverable	1.3	1		µg/L	1	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	990	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	10,600	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,280	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 33C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
■		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	5.2	1		µg/L	2	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	43,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	134	1		µg/L	2	GE
		Total organic halogens	116	1		µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1	J3	µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	28	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1	J3	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	9.2E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.0E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Total activity	9.0E+06	10		pCi/L	0	EM
■		Tritium	8.8E+03	1		pCi/mL	2	GP
		Uranium-233/234	3.2E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	8.0E-02	1	J	pCi/L	0	GP

WELL BGO 33D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74468.7	33.281350 °N	233.1-213.1 ft msl	280.3 ft msl	4" PVC	S	Water Table (IIB ₂)
E55695.4	81.664797 °W					

FIELD MEASUREMENTS

Sample date: 04/15/94
Depth to water: 49.45 ft (15.07 m) below TOC
Water elevation: 230.85 ft (70.36 m) msl
Sp. conductance: 75 µS/cm
Turbidity: 29.6 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 9:10
pH: 5.0
Alkalinity: 0 mg/L
Water temperature: 19.9 °C
Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.5	1	J1	pH	0	GE
		Specific conductance	59	1		µS/cm	0	GE
•		Turbidity	28	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 33D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aluminum, total recoverable	332	1		µg/L	2	GE
		Aluminum, total recoverable	329	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1	J3	µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	16	1		µg/L	0	GE
		Barium, total recoverable	16	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,380	1		µg/L	0	GE
		Calcium, total recoverable	1,390	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	8,630	1		µg/L	0	GE
		Chloride	8,640	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	66	1		µg/L	0	GE
		Copper, total recoverable	67	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	260	1		µg/L	1	GE
		Iron, total recoverable	259	1		µg/L	1	GE
		Lead, total recoverable	15	1		µg/L	0	GE
		Lead, total recoverable	15	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,580	1		µg/L	0	GE
		Magnesium, total recoverable	1,610	1		µg/L	0	GE
		Manganese, total recoverable	6.0	1		µg/L	0	GE
		Manganese, total recoverable	6.0	1		µg/L	0	GE
		Mercury, total recoverable	0.21	1	J	µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 33D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	4.9	1	J	µg/L	0	GE
		Nickel, total recoverable	5.5	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	3,240	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,590	1		µg/L	0	GE
		Potassium, total recoverable	1,650	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	5,630	1		µg/L	0	GE
		Silica, total recoverable	5,690	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,730	1		µg/L	0	GE
		Sodium, total recoverable	4,790	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	2.7	1	J	µg/L	0	GE
		Tin, total recoverable	2.9	1	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	55,000	1		µg/L	0	GE
		Total dissolved solids	42,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	9.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	5.4E+00	1		pCi/L	0	GP
		Nonvolatile beta	4.4E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.6E+00	1		pCi/L	0	GP
■		Tritium	2.3E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.4E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	5.1E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 34D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74228.8 E56082.6	33.281451 °N 81.663311 °W	232.7-212.7 ft msl	274.9 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/15/94
Depth to water: 41.25 ft (12.57 m) below TOC
Water elevation: 233.65 ft (71.22 m) msl
Sp. conductance: 100 µS/cm
Turbidity: 5.1 NTU
Water evacuated before sampling: 13 gal
The well went dry during purging.

Time: 9:37
pH: 7.8
Alkalinity: 27 mg/L
Water temperature: 19.9 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.8	1	J1	pH	0	GE
		Specific conductance	92	1		µS/cm	0	GE
•		Turbidity	1.5	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	146	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	49	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	14,200	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,630	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 34D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	36	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,210	1		µg/L	0	GE
		Manganese, total recoverable	2.6	1	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	940	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,580	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,910	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	60,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.3E+00	1	J	pCi/L	0	GP
		Gross alpha	1.5E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1		pCi/L	0	GP
■		Tritium	2.5E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.5E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	3.5E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73953.9 E56545.7	33.281598 °N 81.661558 °W	171.9-161.9 ft msl	273.4 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/11/94
Depth to water: 44.73 ft (13.63 m) below TOC
Water elevation: 228.67 ft (69.70 m) msl
Sp. conductance: 50 µS/cm
Turbidity: 0.3 NTU
Water evacuated before sampling: 207 gal

Time: 11:11
pH: 6.4
Alkalinity: 9 mg/L
Water temperature: 20.1 °C

Volumes purged: 4.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.5	1	J1	pH	0	GE
•		pH	6.6	1	J1	pH	0	GE
•		pH	6.2	1	J	pH	0	WA
•		pH	6.4	1	J	pH	0	WA
		Specific conductance	40	1		µS/cm	0	GE
		Specific conductance	39	1		µS/cm	0	GE
		Specific conductance	37	1		µS/cm	0	WA
		Specific conductance	42	1		µS/cm	0	WA
		Specific conductance	43	1		µS/cm	0	WA
		Turbidity	0.11	1	J	NTU	0	GE
		Turbidity	0.18	1		NTU	0	GE
•		Turbidity	<0.20	1	J	NTU	0	WA
•		Turbidity	<0.20	1	J	NTU	0	WA
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<11	1.1		µg/L	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aldrin	<0.050	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	27	1	J	µg/L	1	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	26	1	3	µg/L	1	WA
		Aluminum, total recoverable	29	1		µg/L	1	WA
		Aluminum, total recoverable	44	1	J3	µg/L	1	WA
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	10	1		µg/L	0	GE
		Barium, total recoverable	10	1		µg/L	0	GE
		Barium, total recoverable	9.9	1		µg/L	0	WA
		Barium, total recoverable	11	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	11	1		µg/L	0	WA
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<5.0	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	5,070	1		µg/L	0	GE
		Calcium, total recoverable	5,000	1		µg/L	0	GE
		Calcium, total recoverable	4,790	1		µg/L	0	WA
		Calcium, total recoverable	5,070	1		µg/L	0	WA
		Calcium, total recoverable	5,160	1		µg/L	0	WA
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	1,910	1		µg/L	0	GE
		Chloride	1,880	1		µg/L	0	GE
		Chloride	1,860	1		µg/L	0	WA
		Chloride	1,870	1		µg/L	0	WA
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<5.0	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	15	1		µg/L	0	GE
		Copper, total recoverable	6.3	1	J	µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.099	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<30	1	JV	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.12		µg/L	0	WA
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Dieldrin	<0.50	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0059	1		µg/L	0	GE
		Endrin	<0.11	1.09		µg/L	0	WA
		Endrin	<0.11	1.11		µg/L	0	WA
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Heptachlor	<0.050	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	11	1		µg/L	0	GE
		Iron, total recoverable	4.3	1	J	µg/L	0	GE
		Iron, total recoverable	13	1	3	µg/L	0	WA
		Iron, total recoverable	<34	1	JV	µg/L	0	WA
		Iron, total recoverable	<34	1	JV3	µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.055	1.09		µg/L	0	WA
		Lindane	<0.056	1.11		µg/L	0	WA
		Magnesium, total recoverable	389	1		µg/L	0	GE
		Magnesium, total recoverable	384	1		µg/L	0	GE
		Magnesium, total recoverable	382	1		µg/L	0	WA
		Magnesium, total recoverable	403	1		µg/L	0	WA
		Magnesium, total recoverable	412	1		µg/L	0	WA
		Manganese, total recoverable	8.2	1		µg/L	0	GE
		Manganese, total recoverable	6.8	1		µg/L	0	GE
		Manganese, total recoverable	7.3	1		µg/L	0	WA
		Manganese, total recoverable	7.5	1		µg/L	0	WA
		Manganese, total recoverable	7.7	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.55	1.09		µg/L	0	WA
		Methoxychlor	<0.56	1.11		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	1,070	2		µg/L	0	WA
		Nitrate as nitrogen	1,100	2		µg/L	0	WA
		Nitrate-nitrite as nitrogen	1,360	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,370	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	WA
		Potassium, total recoverable	<500	1		µg/L	0	WA
		Potassium, total recoverable	<500	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	9,060	1		µg/L	0	GE
		Silica, total recoverable	9,090	1		µg/L	0	GE
		Silica, total recoverable	8,930	2.1		µg/L	0	WA
		Silica, total recoverable	9,100	2.1	J3	µg/L	0	WA
		Silica, total recoverable	9,370	2.1	J3	µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,970	1		µg/L	0	GE
		Sodium, total recoverable	1,810	1		µg/L	0	GE
		Sodium, total recoverable	1,880	1		µg/L	0	WA
		Sodium, total recoverable	1,890	1		µg/L	0	WA
		Sodium, total recoverable	1,930	1		µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<17	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	32,000	1		µg/L	0	GE
		Total dissolved solids	33,000	1		µg/L	0	GE
		Total dissolved solids	13,000	1		µg/L	0	WA
		Total dissolved solids	18,000	1		µg/L	0	WA
		Total organic carbon	2,130	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	7.8	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	7.9	1		µg/L	0	WA
		Total organic halogens	10	1		µg/L	0	WA
		Total organic halogens	11	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	81	1		µg/L	0	WA
		Total phosphates (as P)	92	1		µg/L	0	WA
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<1.1	1.09		µg/L	0	WA
		Toxaphene	<1.1	1.11		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.55	1.09		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.56	1.12		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
■		Trichloroethylene	5.0	1		µg/L	2	GE
■		Trichloroethylene	5.1	1		µg/L	2	GE
		Trichloroethylene	4.1	1	J	µg/L	1	WA
		Trichloroethylene	4.4	1	J	µg/L	1	WA
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		2,4,5-T	0.39	1	JV2	µg/L	0	GE
		2,4,5-T	0.39	1	JV2	µg/L	0	GE
		2,4,5-T	0.44	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<5.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	4.0E-01	1	J	pCi/L	0	GP
		Gross alpha	2.3E-01	1	UI	pCi/L	0	GP
		Gross alpha	1.3E+00	1		pCi/L	0	TM
		Gross alpha	<4.0E-01	1		pCi/L	0	TM
		Gross alpha	<4.0E-01	1		pCi/L	0	TM
		Nonvolatile beta	2.1E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	7.3E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	2.0E+00	1		pCi/L	0	TM
		Nonvolatile beta	2.0E+00	1		pCi/L	0	TM
		Nonvolatile beta	<7.5E-01	1		pCi/L	0	TM
		Radium-226	<1.6E-01	1		pCi/L	0	TM
		Radium-226	2.9E-01	1		pCi/L	0	TM
		Radium-226	1.4E-01	1		pCi/L	0	TM
		Radium-228	4.0E-01	1	UI	pCi/L	0	TM
		Radium-228	<9.0E-02	1		pCi/L	0	TM
		Radium-228	<8.0E-02	1		pCi/L	0	TM
		Radium, total alpha-emitting	-1.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
■		Tritium	2.6E+01	1		pCi/mL	2	GP
■		Tritium	2.5E+01	1		pCi/mL	2	GP
■		Tritium	2.7E+01	1		pCi/mL	2	TM
■		Tritium	2.6E+01	1		pCi/mL	2	TM
■		Tritium	2.3E+01	1		pCi/mL	2	TM
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	CN
		Uranium-233/234	3.8E-01	1		pCi/L	0	CN
		Uranium-233/234	4.9E-02	1	UI	pCi/L	0	GP
		Uranium-233/234	1.0E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	CN
		Uranium-235	-1.0E-01	1	UI	pCi/L	0	CN
		Uranium-235	-1.2E-02	1	UI	pCi/L	0	GP
		Uranium-235	-1.5E-03	1	UI	pCi/L	0	GP
		Uranium-238	8.0E-02	1	UI	pCi/L	0	CN
		Uranium-238	4.7E-02	1	UI	pCi/L	0	CN
		Uranium-238	9.4E-02	1	J	pCi/L	0	GP
		Uranium-238	1.0E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73946.0 E56556.5	33.281599 °N 81.661514 °W	239.4-219.4 ft msl	273.5 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/15/94
Depth to water: 38.38 ft (11.70 m) below TOC
Water elevation: 235.12 ft (71.67 m) msl
Sp. conductance: 45 µS/cm
Turbidity: 37.5 NTU
Water evacuated before sampling: 11 gal
The well went dry during purging.

Time: 10:06
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 20.5 °C

Volumes purged: 1.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	J1	pH	0	GE
		Specific conductance	34	1		µS/cm	0	GE
•		Turbidity	24	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	184	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	13	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	180	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,970	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	11	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	113	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	349	1		µg/L	0	GE
		Manganese, total recoverable	2.1	1	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,060	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,290	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,530	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	32,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	9.0E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	8.4E-01	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	UI	pCi/L	0	GP
■		Tritium	9.3E+01	1		pCi/mL	2	GP
		Uranium-233/234	8.1E-02	1	J	pCi/L	0	GP
		Uranium-235	-9.9E-03	1	UI	pCi/L	0	GP
		Uranium-238	2.3E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 36D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73743.8 E56888.1	33.281692 °N 81.660248 °W	243.3-223.3 ft msl	275.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/15/94
Depth to water: 37.68 ft (11.49 m) below TOC
Water elevation: 237.72 ft (72.46 m) msl
Sp. conductance: 35 µS/cm
Turbidity: 161 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 10:31
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 20.6 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.3	1	J1	pH	0	GE
		Specific conductance	30	1		µS/cm	0	GE
•		Turbidity	47	2	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.049	1		µg/L	0	GE
		Aluminum, total recoverable	1,050	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	17	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	82	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,650	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	192	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.097	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.49	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 36D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0058	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.049	1		µg/L	0	GE
		Iron, total recoverable	356	1		µg/L	2	GE
		Lead, total recoverable	29	1		µg/L	1	GE
		Lindane	<0.0049	1		µg/L	0	GE
		Magnesium, total recoverable	435	1		µg/L	0	GE
		Manganese, total recoverable	12	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.49	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	850	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	900	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,930	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,410	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	25,000	1		µg/L	0	GE
		Total dissolved solids	25,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	8.3	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.23	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.9E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J	pCi/L	0	GP
■		Tritium	2.8E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.3E-01	1	J	pCi/L	0	GP
		Uranium-235	1.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	7.8E-02	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 37D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73490.8 E57292.9	33.281793 °N 81.658691 °W	246.1-226.1 ft msl	287.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/15/94
Depth to water: 49.80 ft (15.18 m) below TOC
Water elevation: 237.50 ft (72.39 m) msl
Sp. conductance: 39 µS/cm
Turbidity: 13.8 NTU
Water evacuated before sampling: 5 gal
The well went dry during purging.

Time: 10:59
pH: 5.3
Alkalinity: 1 mg/L
Water temperature: 19.5 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	J1	pH	0	GE
		Specific conductance	30	1		µS/cm	0	GE
•		Turbidity	30	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	179	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	8.9	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	285	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,740	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	13	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 37D collected on 04/15/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	82	1		µg/L	0	GE
		Lead, total recoverable	5.7	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	285	1		µg/L	0	GE
		Manganese, total recoverable	12	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,160	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,290	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,380	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	27,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00044	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.6E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	-1.7E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
■		Tritium	3.5E+01	1		pCi/mL	2	GP
		Uranium-233/234	2.3E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	2.7E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 38D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73329.3 E57557.5	33.281868 °N 81.657681 °W	242.3-222.3 ft msl	291.6 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/15/94
Depth to water: 56.60 ft (17.25 m) below TOC
Water elevation: 235.00 ft (71.63 m) msl
Sp. conductance: 42 µS/cm
Turbidity: 20.5 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 11:28
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 20.3 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.8	1	J1	pH	0	GE
		Specific conductance	30	1		µS/cm	0	GE
•		Turbidity	428	20	J1	NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	263	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	12	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	104	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,420	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 38D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	46	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	673	1		µg/L	0	GE
		Manganese, total recoverable	7.9	1		µg/L	0	GE
		Mercury, total recoverable	0.52	1	JV2	µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,830	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	5,600	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,240	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
•		Total dissolved solids	20,000	1	J1	µg/L	0	GE
		Total dissolved solids	23,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<11	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.4E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	2.3E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E+00	1		pCi/L	0	GP
■		Tritium	3.0E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.5E-01	1	J	pCi/L	0	GP
		Uranium-235	-5.3E-03	1	UI	pCi/L	0	GP
		Uranium-238	7.3E-02	1	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 39D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73583.5 E57831.0	33.282876 °N 81.657454 °W	244.7-224.7 ft msl	295.7 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/15/94
Depth to water: 60.81 ft (18.54 m) below TOC
Water elevation: 234.89 ft (71.60 m) msl
Sp. conductance: 38 µS/cm
Turbidity: 20.4 NTU
Water evacuated before sampling: 5 gal
The well went dry during purging.

Time: 12:01
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 20.1 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.0	1	J1	pH	0	GE
		Specific conductance	28	1		µS/cm	0	GE
•		Turbidity	19	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	108	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	5.5	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	35	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,130	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 39D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	33	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	104	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,220	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,060	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,560	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 39D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	20,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.2E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.4E+00	1		pCi/L	0	GP
■		Tritium	3.1E+01	1		pCi/mL	2	GP
		Uranium-233/234	8.4E-02	1	J	pCi/L	0	GP
		Uranium-235	-4.8E-03	1	UI	pCi/L	0	GP
		Uranium-238	1.3E-01	1	J	pCi/L	0	GP

WELL BGO 40D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76125.8	33.283290 °N	226.5-216.6 ft msl	288.4 ft msl	4" PVC	S	Water Table (IIB ₂)
E54638.6	81.670799 °W					

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 65.61 ft (20.00 m) below TOC
Water elevation: 222.79 ft (67.91 m) msl
Sp. conductance: 348 µS/cm
Turbidity: 9.6 NTU
Water evacuated before sampling: 2 gal
The well went dry during purging.

Time: 12:36
pH: 7.0
Alkalinity: 132 mg/L
Water temperature: 21.5 °C
Volumes purged: 0.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.2	1	J1	pH	0	GE
		Specific conductance	309	1		µS/cm	1	GE
		Turbidity	23	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 40D collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aldrin	<0.050	1	J3	µg/L	0	GE
		Aluminum, total recoverable	560	1		µg/L	2	GE
		Aluminum, total recoverable	619	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1	J3	µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	103	1		µg/L	0	GE
		Barium, total recoverable	104	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	9,680	1		µg/L	0	GE
		Calcium, total recoverable	9,780	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,150	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	1.4	1	J	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	9.3	1		µg/L	0	GE
		Copper, total recoverable	9.2	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1	J3	µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1	J3	µg/L	0	GE
		Endrin	<0.0060	1	J3	µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1	J3	µg/L	0	GE
		Iron, total recoverable	470	1		µg/L	2	GE
		Iron, total recoverable	497	1	J3	µg/L	2	GE
		Lead, total recoverable	32	1		µg/L	1	GE
		Lead, total recoverable	31	1		µg/L	1	GE
		Lindane	<0.0050	1	J3	µg/L	0	GE
		Magnesium, total recoverable	1,820	1		µg/L	0	GE
		Magnesium, total recoverable	1,840	1		µg/L	0	GE
		Manganese, total recoverable	46	1		µg/L	1	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 40D collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Manganese, total recoverable	47	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1	J3	µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	7.5	1		µg/L	0	GE
		Nickel, total recoverable	7.4	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,480	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	33,600	1		µg/L	0	GE
		Potassium, total recoverable	33,900	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,060	1		µg/L	0	GE
		Silica, total recoverable	7,350	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	37,900	1		µg/L	0	GE
		Sodium, total recoverable	38,300	1		µg/L	0	GE
		Sulfate	4,050	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	74	1		µg/L	2	GE
		Tin, total recoverable	74	1		µg/L	2	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	208,000	1	JV2	µg/L	0	GE
		Total organic carbon	1,720	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	1.9	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00048	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	4.5E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.6E+01	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1		pCi/L	0	GP
		Tritium	7.4E+00	1		pCi/mL	0	GP
		Uranium-233/234	<0.0E+00	1		pCi/L	0	GP
		Uranium-235	-1.7E-02	1	UI	pCi/L	0	GP
		Uranium-238	2.3E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 42C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76404.7 E55522.3	33.285349 °N 81.669014 °W	195.9-185.9 ft msl	297.9 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 74.31 ft (22.65 m) below TOC
Water elevation: 223.59 ft (68.15 m) msl
Sp. conductance: 56 µS/cm
Turbidity: 21.0 NTU
Water evacuated before sampling: 18 gal
The well went dry during purging.

Time: 8:55
pH: 6.1
Alkalinity: 10 mg/L
Water temperature: 18.3 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	J1	pH	0	GE
		Specific conductance	38	1		µS/cm	0	GE
		Turbidity	3.2	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	51	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	14	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,360	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,880	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	18	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.5	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 42C collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	225	1		µg/L	1	GE
		Lead, total recoverable	6.5	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	513	1		µg/L	0	GE
		Manganese, total recoverable	10	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,070	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	549	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	10,400	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,110	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	34,000	1		µg/L	0	GE
		Total dissolved solids	34,000	1		µg/L	0	GE
		Total organic carbon	1,100	1	J	µg/L	0	GE
		Total organic halogens	16	1		µg/L	0	GE
		Total phosphates (as P)	180	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.46	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	28	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.46	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	8.3E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	-1.0E-01	1	UI	pCi/L	0	GP
		Tritium	6.5E+00	1		pCi/mL	0	GP
		Uranium-233/234	-1.2E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.4E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.5E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77066.0	33.288029 °N	72.2-62.2 ft msl	314.3 ft msl	4" PVC	S	L. Congaree (IIA)
E56268.6	81.668333 °W					

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 157.87 ft (48.12 m) below TOC
Water elevation: 156.43 ft (47.68 m) msl
Sp. conductance: 430 μ S/cm
Turbidity: 1.0 NTU
Water evacuated before sampling: 161 gal

Time: 11:20
pH: 11.1
Alkalinity: 122 mg/L
Water temperature: 20.0 °C
Volumes purged: 2.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	11	1	J1	pH	2	GE
•		pH	11	1	J1	pH	2	GE
		Specific conductance	155	1		μ S/cm	0	GE
		Turbidity	31	1		NTU	0	GE
		Turbidity	29	1		NTU	0	GE
		Acetophenone	<11	1		μ g/L	0	GE
		Aldrin	<0.052	1		μ g/L	0	GE
		Aluminum, total recoverable	148	1		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Barium, total recoverable	74	1		μ g/L	0	GE
		Benzene	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	GE
		Calcium, total recoverable	35,000	1		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Chloride	2,500	1		μ g/L	0	GE
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1		μ g/L	0	GE
		Copper, total recoverable	<4.0	1		μ g/L	0	GE
		Cyanide	<5.0	1		μ g/L	0	GE
		p,p'-DDT	<0.10	1		μ g/L	0	GE
		Dibromochloromethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43AA collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	4.9	1	J	µg/L	0	GE
		Lead, total recoverable	3.2	1	J	µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	488	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	10,400	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	24,500	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	8,060	1		µg/L	0	GE
		Sulfate	6,420	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	20	1		µg/L	2	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	91,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.40	1		µg/L	0	GE
		2,4,5-T	0.45	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.0E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	5.5E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J	pCi/L	0	GP
		Tritium	3.3E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	2.1E-01	1	J	pCi/L	0	GP
		Uranium-235	2.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	2.3E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77035.2 E56237.2	33.287910 °N 81.668356 °W	188.4-178.4 ft msl	315.3 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 89.78 ft (27.37 m) below TOC
Water elevation: 225.52 ft (68.74 m) msl
Sp. conductance: 153 μ S/cm
Turbidity: 4.2 NTU
Water evacuated before sampling: 23 gal
The well went dry during purging.

Time: 10:30
pH: 7.1
Alkalinity: 36 mg/L
Water temperature: 18.8 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.8	1	J1	pH	0	GE
		Specific conductance	131	1		μ S/cm	0	GE
		Turbidity	2.3	1		NTU	0	GE
		Acetophenone	<9.9	1		μ g/L	0	GE
		Aldrin	<0.052	1		μ g/L	0	GE
		Aluminum, total recoverable	61	1		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Barium, total recoverable	23	1		μ g/L	0	GE
		Benzene	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	GE
		Calcium, total recoverable	16,800	1		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Chloride	2,650	1		μ g/L	0	GE
		Chloride	2,640	1		μ g/L	0	GE
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1		μ g/L	0	GE
		Copper, total recoverable	<4.0	1		μ g/L	0	GE
		Cyanide	<5.0	1		μ g/L	0	GE
		p,p'-DDT	<0.10	1		μ g/L	0	GE
		Dibromochloromethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43CR collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	99	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	1,800	1		µg/L	0	GE
		Manganese, total recoverable	18	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<9.9	1		µg/L	0	GE
		Nickel, total recoverable	4.7	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	300	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	2,330	1		µg/L	0	GE
		Selenium, total recoverable	2.7	1	J	µg/L	0	GE
		Silica, total recoverable	8,910	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,120	1		µg/L	0	GE
		Sulfate	15,600	1		µg/L	0	GE
		Sulfate	15,700	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	3.8	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	81,000	1		µg/L	0	GE
		Total organic carbon	1,550	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.44	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.3E+01	1		pCi/L	1	GP
		Nonvolatile beta	1.0E+01	1		pCi/L	0	GP
		Radium, total alpha-emitting	7.4E+00	1		pCi/L	0	GP
		Tritium	3.4E+00	1		pCi/mL	0	GP
		Uranium-233/234	1.3E-01	1	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.1E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77056.7 E56238.8	33.287960 °N 81.668394 °W	208.2-198.2 ft msl	315.3 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 83.75 ft (25.53 m) below TOC
Water elevation: 231.55 ft (70.58 m) msl
Sp. conductance: 80 µS/cm
Turbidity: 0.6 NTU
Water evacuated before sampling: 103 gal

Time: 10:57
pH: 5.9
Alkalinity: 4 mg/L
Water temperature: 19.1 °C

Volumes purged: 4.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	J1	pH	0	GE
		Specific conductance	86	1		µS/cm	0	GE
		Turbidity	0.55	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	21	1	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	12	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	5,000	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,170	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0016	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43D collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	5.0	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,020	1		µg/L	0	GE
		Manganese, total recoverable	7.5	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	610	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,690	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,090	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,380	1		µg/L	0	GE
		Sulfate	13,100	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	3.0	1	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	45,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.00047	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
•		2,4,5-T	<0.00047	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	5.7E+00	1		pCi/L	0	GP
		Nonvolatile beta	6.1E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	5.2E+00	1		pCi/L	0	GP
		Tritium	4.9E+00	1		pCi/mL	0	GP
		Tritium	4.7E+00	1		pCi/mL	0	GP
		Uranium-233/234	8.9E-02	1	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	8.4E-02	1	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76755.2 E57851.2	33.289924 °N 81.663562 °W	108.0-98.0 ft msl	285.3 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/06/94

Depth to water: 126.89 ft (38.68 m) below TOC

Water elevation: 158.41 ft (48.28 m) msl

Sp. conductance: 212 µS/cm

Turbidity: 0.2 NTU

Water evacuated before sampling: 289 gal

Time: 13:37

pH: 7.3

Alkalinity: 77 mg/L

Water temperature: 19.8 °C

Volumes purged: 7.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1	J1	pH	0	GE
		Specific conductance	188	1		µS/cm	0	GE
		Turbidity	0.38	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1	J3	µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	27	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	34,400	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,440	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0016	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44A collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	114	1	J	µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	<4.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	820	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	748	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<10	5	J3	µg/L	0	GE
		Silica, total recoverable	28,500	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,810	1		µg/L	0	GE
		Sulfate	5,210	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	146,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	220	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.00046	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
•		2,4,5-T	<0.00046	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.4E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J	pCi/L	0	GP
		Tritium	1.6E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	1.3E-01	1	J	pCi/L	0	GP
		Uranium-235	1.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	8.4E-02	1	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76757.0 E57880.5	33.289976 °N 81.663488 °W	71.3-61.2 ft msl	285.3 ft msl	4" PVC	S	L. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/06/94

Depth to water: 126.74 ft (38.63 m) below TOC

Water elevation: 158.56 ft (48.33 m) msl

Sp. conductance: 196 μ S/cm

Turbidity: 0.4 NTU

Water evacuated before sampling: 324 gal

Time: 13:16

pH: 9.7

Alkalinity: 75 mg/L

Water temperature: 20.0 °C

Volumes purged: 5.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.4	1	J1	pH	1	GE
		Specific conductance	163	1		μ S/cm	0	GE
		Turbidity	0.23	1		NTU	0	GE
		Acetophenone	<9.7	1		μ g/L	0	GE
		Aldrin	<0.051	1		μ g/L	0	GE
		Aluminum, total recoverable	124	1		μ g/L	2	GE
		Aluminum, total recoverable	125	1		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Barium, total recoverable	66	1		μ g/L	0	GE
		Barium, total recoverable	66	1		μ g/L	0	GE
		Benzene	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	GE
		Calcium, total recoverable	27,700	1		μ g/L	0	GE
		Calcium, total recoverable	27,800	1		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Chloride	2,120	1		μ g/L	0	GE
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1		μ g/L	0	GE
		Copper, total recoverable	<4.0	1		μ g/L	0	GE
		Copper, total recoverable	<4.0	1		μ g/L	0	GE
		Cyanide	<5.0	1		μ g/L	0	GE
		Cyanide	<5.0	1		μ g/L	0	GE
		p,p'-DDT	<0.10	1		μ g/L	0	GE
		Dibromochloromethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44AA collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	17	1		µg/L	0	GE
		Iron, total recoverable	17	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	537	1		µg/L	0	GE
		Magnesium, total recoverable	536	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<9.7	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	60	1	J	µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	4,650	1		µg/L	0	GE
		Potassium, total recoverable	4,660	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	27,700	1		µg/L	0	GE
		Silica, total recoverable	27,700	1	J3	µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,440	1		µg/L	0	GE
		Sodium, total recoverable	4,440	1		µg/L	0	GE
		Sulfate	8,890	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	8.4	1		µg/L	0	GE
		Tin, total recoverable	8.3	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	127,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.00046	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
•		2,4,5-T	<0.00046	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.2E+00	1	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44AA collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	1.8E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1		pCi/L	0	GP
		Tritium	2.2E+00	1		pCi/mL	0	GP
		Uranium-233/234	1.9E-01	1	J	pCi/L	0	GP
		Uranium-235	5.4E-02	1	UI	pCi/L	0	GP
		Uranium-238	3.1E-01	1	J	pCi/L	0	GP

WELL BGO 44B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76756.0 E57865.8	33.289950 °N 81.663525 °W	158.1-148.1 ft msl	285.2 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 64.04 ft (19.52 m) below TOC
Water elevation: 221.16 ft (67.41 m) msl
Sp. conductance: 244 µS/cm
Turbidity: 211 NTU
Water evacuated before sampling: 40 gal
The well went dry during purging.

Time: 12:28
pH: 8.4
Alkalinity: 121 mg/L
Water temperature: 19.5 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.5	1	J1	pH	1	GE
		Specific conductance	211	1		µS/cm	0	GE
		Turbidity	53	2		NTU	0	GE
		Acetophenone	<9.8	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	250	2		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	3.8	1		µg/L	0	GE
		Barium, total recoverable	138	2		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<4.0	2		µg/L	0	GE
		Calcium, total recoverable	114,000	2		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,220	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44B collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<8.0	2		µg/L	0	GE
		Copper, total recoverable	<8.0	2		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.0016	1	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	221	2		µg/L	1	GE
		Lead, total recoverable	11	2		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,370	2		µg/L	0	GE
		Manganese, total recoverable	171	2		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<9.8	1		µg/L	0	GE
		Nickel, total recoverable	<8.0	2		µg/L	0	GE
		Nitrate-nitrite as nitrogen	150	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	3,500	2		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	49,000	2		µg/L	0	GE
		Silver, total recoverable	<4.0	2		µg/L	0	GE
		Sodium, total recoverable	6,310	2		µg/L	0	GE
		Sulfate	8,880	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44B collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<4.0	2		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	169,000	1	JV2	µg/L	0	GE
		Total organic carbon	2,780	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.00046	1	J1	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
•		2,4,5-T	<0.00046	1	J1	µg/L	0	GE
		Vanadium, total recoverable	<16	2		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.5E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	3.2E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Total activity	7.1E+04	1		pCi/L	0	EM
■		Tritium	6.6E+01	1		pCi/mL	2	GP
		Uranium-233/234	7.2E-01	1	J	pCi/L	0	GP
		Uranium-235	-7.4E-03	1	UI	pCi/L	0	GP
		Uranium-238	6.7E-01	1	J	pCi/L	0	GP

WELL BGO 44C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76757.8 E57894.9	33.290001 °N 81.663452 °W	200.6-190.6 ft msl	285.6 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 64.58 ft (19.68 m) below TOC
Water elevation: 221.02 ft (67.37 m) msl
Sp. conductance: 165 µS/cm
Turbidity: 11.6 NTU
Water evacuated before sampling: 20 gal
The well went dry during purging.

Time: 12:45
pH: 7.7
Alkalinity: 61 mg/L
Water temperature: 19.5 °C
Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.1	1	J1	pH	1	GE
		Specific conductance	132	1		µS/cm	0	GE
		Turbidity	27	1		NTU	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44C collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Acetophenone	<9.9	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	391	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	74	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	15,100	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,120	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.5	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	257	1		µg/L	1	GE
		Lead, total recoverable	9.2	2	J	µg/L	0	GE
		Lead, total recoverable	10	2		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	965	1		µg/L	0	GE
		Manganese, total recoverable	338	1		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<9.9	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	800	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	5,360	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44C collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,050	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	9,970	1		µg/L	0	GE
		Sulfate	1,830	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	11	1		µg/L	1	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	89,000	1	JV2	µg/L	0	GE
		Total organic carbon	2,140	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	90	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.46	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	2.1	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.46	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	6.9E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	3.7E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1	J	pCi/L	0	GP
		Total activity	4.0E+05	1		pCi/L	0	EM
■		Tritium	3.2E+02	1		pCi/mL	2	GP
		Uranium-233/234	2.6E-01	1	J	pCi/L	0	GP
		Uranium-235	2.0E-02	1	UI	pCi/L	0	GP
		Uranium-238	3.2E-01	1	J	pCi/L	0	GP

WELL BGO 44D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76759.5	33.290030 °N	233.4-223.4 ft msl	285.4 ft msl	4" PVC	S	Water Table (IIB ₂)
E57910.0	81.663415 °W					

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 52.85 ft (16.11 m) below TOC
Water elevation: 232.55 ft (70.88 m) msl
Sp. conductance: 34 µS/cm
Turbidity: 0.6 NTU
Water evacuated before sampling: 96 gal

Time: 14:01
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 20.0 °C

Volumes purged: 16.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	J1	pH	0	GE
•		pH	5.2	1	J1	pH	0	GE
		Specific conductance	24	1		µS/cm	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44D collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Turbidity	0.50	1		NTU	0	GE
		Turbidity	0.52	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	36	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	64	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	936	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,240	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	5.5	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	531	1		µg/L	0	GE
		Manganese, total recoverable	12	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,220	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,080	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44D collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,740	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	29,000	1		µg/L	0	GE
		Total dissolved solids	28,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	11	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.40	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	5.9E+00	1		pCi/L	0	GP
		Nonvolatile beta	2.6E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E+00	1		pCi/L	0	GP
		Total activity	3.8E+05	1		pCi/L	0	EM
■		Tritium	3.7E+02	1		pCi/mL	2	GP
		Uranium-233/234	1.3E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.3E-01	1	UI	pCi/L	0	GP

WELL BGO 45A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75830.0	33.282492 °N	126.9-116.9 ft msl	278.9 ft msl	4" PVC	S	U. Congaree (IIA)
E54550.1	81.670457 °W					

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 118.16 ft (36.02 m) below TOC
Water elevation: 160.74 ft (48.99 m) msl
Sp. conductance: 203 µS/cm
Turbidity: 0.1 NTU
Water evacuated before sampling: 103 gal

Time: 15:48
pH: 7.7
Alkalinity: 72 mg/L
Water temperature: 19.6 °C
Volumes purged: 3.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.0	1	J1	pH	0	GE
		Specific conductance	177	1		µS/cm	0	GE
		Turbidity	0.93	1		NTU	0	GE
		Acetophenone	<9.8	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45A collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	34	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	31,900	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,960	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.099	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0059	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	39	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	449	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<9.8	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	880	1		µg/L	0	GE
		Phenols	6.2	1	J	µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	605	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	17,700	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,230	1		µg/L	0	GE
		Sulfate	1,650	1	J	µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45A collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
•		Total dissolved solids	117,000	1	J1	µg/L	0	GE
		Total organic carbon	1,170	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1		µg/L	0	GE
		Tributyl phosphate	<9.8	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.42	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	3.8E-02	1	UI	pCi/L	0	GP
		Nonvolatile beta	7.2E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J	pCi/L	0	GP
		Tritium	3.8E+00	1		pCi/mL	0	GP
		Uranium-233/234	1.7E-01	1	J	pCi/L	0	GP
		Uranium-235	7.3E-02	1	J	pCi/L	0	GP
		Uranium-238	1.8E-01	1	J	pCi/L	0	GP

WELL BGO 45B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75840.3	33.282536 °N	147.0-137.0 ft msl	278.6 ft msl	4" PVC	S	McBean (IIB ₁)
E54563.6	81.670441 °W					

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 59.06 ft (18.00 m) below TOC
Water elevation: 219.54 ft (66.92 m) msl
Sp. conductance: 156 µS/cm
Turbidity: 1.1 NTU
Water evacuated before sampling: 44 gal
The well went dry during purging.

Time: 13:27
pH: 10.3
Alkalinity: 49 mg/L
Water temperature: 20.4 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	11	1	J1	pH	2	GE
		Specific conductance	227	1		µS/cm	0	GE
		Turbidity	0.65	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	173	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45B collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	44	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	14,600	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,070	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	4.5	1	J	µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	7.4	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	262	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	830	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	5,380	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45B collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	11,100	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	5,510	1		µg/L	0	GE
		Sulfate	1,280	1	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	11	1		µg/L	1	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	82,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	12	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	5.2E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	4.2E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1	J	pCi/L	0	GP
		Tritium	7.5E+00	1		pCi/mL	0	GP
		Uranium-233/234	4.5E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	5.1E-02	1	UI	pCi/L	0	GP

WELL BGO 45C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75835.0 E54577.4	33.282547 °N 81.670395 °W	200.5-190.5 ft msl	278.6 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 55.23 ft (16.83 m) below TOC
Water elevation: 223.37 ft (68.08 m) msl
Sp. conductance: 46 µS/cm
Turbidity: 4.4 NTU
Water evacuated before sampling: 21 gal
The well went dry during purging.

Time: 13:10
pH: 5.4
Alkalinity: 4 mg/L
Water temperature: 20.7 °C
Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1	J1	pH	0	GE
•		pH	6.4	1	J1	pH	0	GE
		Specific conductance	32	1		µS/cm	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45C collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		Turbidity	1.6	1	J1	NTU	0	GE
•		Turbidity	1.5	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	47	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	8.7	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	2,050	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,460	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	16	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	35	1		µg/L	0	GE
		Lead, total recoverable	14	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	525	1		µg/L	0	GE
		Manganese, total recoverable	14	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	830	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	927	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45C collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,670	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,500	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	29,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.3E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	4.1E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Total activity	6.5E+05	1		pCi/L	0	EM
■		Tritium	7.3E+02	1		pCi/mL	2	GP
		Uranium-233/234	4.1E-02	1	UI	pCi/L	0	GP
		Uranium-235	-3.9E-03	1	UI	pCi/L	0	GP
		Uranium-238	1.4E-01	1	J	pCi/L	0	GP

WELL BGO 45D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75854.3	33.282603 °N	229.6-209.6 ft msl	278.6 ft msl	4" PVC	S	Water Table (IIB ₂)
E54585.6	81.670411 °W					

FIELD MEASUREMENTS

Sample date: 04/06/94
Depth to water: 50.53 ft (15.40 m) below TOC
Water elevation: 228.07 ft (69.52 m) msl
Sp. conductance: 35 µS/cm
Turbidity: 1.3 NTU
Water evacuated before sampling: 33 gal

Time: 15:28
pH: 5.3
Alkalinity: 1 mg/L
Water temperature: 20.1 °C

Volumes purged: 2.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
●		pH	6.1	1	J1	pH	0	GE
		Specific conductance	29	1		µS/cm	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45D collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Turbidity	0.67	1		NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	44	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1	J3	µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	9.8	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,760	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,140	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.5	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	18	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	546	1		µg/L	0	GE
		Manganese, total recoverable	6.1	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,090	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45D collected on 04/06/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Selenium, total recoverable	<2.0	1	J3	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,190	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,050	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	37,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	6.4	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.46	1		µg/L	0	GE
		Tributyl phosphate	<11	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.46	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	8.8E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	3.0E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J	pCi/L	0	GP
■		Tritium	5.0E+02	1		pCi/mL	2	GP
		Uranium-233/234	1.6E-01	1	J	pCi/L	0	GP
		Uranium-235	5.9E-02	1	UI	pCi/L	0	GP
		Uranium-238	8.1E-02	1	J	pCi/L	0	GP

WELL BGO 46B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75012.1	33.280511 °N	150.4-140.4 ft msl	265.4 ft msl	4" PVC	S	McBean (IIB ₁)
E54444.7	81.669146 °W					

FIELD MEASUREMENTS

Sample date: 04/12/94 Time: 15:10
 Depth to water: 47.39 ft (14.44 m) below TOC pH: 6.3
 Water elevation: 218.01 ft (66.45 m) msl Alkalinity: 16 mg/L
 Sp. conductance: 64 µS/cm Water temperature: 20.1 °C
 Turbidity: 0.3 NTU
 Water evacuated before sampling: 335 gal Volumes purged: 6.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.6	1	J1	pH	0	GE
•		pH	6.6	1	J1	pH	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46B collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.7	1	J	pH	0	WA
•		pH	6.7	1	J	pH	0	WA
		Specific conductance	56	1		µS/cm	0	GE
		Specific conductance	57	1		µS/cm	0	GE
		Specific conductance	59	1		µS/cm	0	WA
		Specific conductance	62	1		µS/cm	0	WA
		Turbidity	<0.10	1		NTU	0	GE
		Turbidity	<0.10	1		NTU	0	GE
•		Turbidity	0.26	1	J	NTU	0	WA
•		Turbidity	0.29	1	J	NTU	0	WA
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	WA
		Acetophenone	<10	1		µg/L	0	WA
		Aldrin	<0.051	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	WA
		Aluminum, total recoverable	21	1		µg/L	0	WA
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	<3.0	1		µg/L	0	GE
		Barium, total recoverable	<3.0	1		µg/L	0	GE
		Barium, total recoverable	<3.0	1		µg/L	0	GE
		Barium, total recoverable	<4.0	1		µg/L	0	WA
		Barium, total recoverable	<4.0	1		µg/L	0	WA
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<5.0	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	8,400	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46B collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Calcium, total recoverable	8,400	1		µg/L	0	GE
		Calcium, total recoverable	8,530	1		µg/L	0	GE
		Calcium, total recoverable	8,920	1		µg/L	0	WA
		Calcium, total recoverable	9,120	1		µg/L	0	WA
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,020	1		µg/L	0	GE
		Chloride	2,030	1		µg/L	0	GE
		Chloride	1,910	1		µg/L	0	WA
		Chloride	1,970	1		µg/L	0	WA
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<5.0	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46B collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<20	1	JV	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<60	1	JV	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.11		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.3	2.25		µg/L	0	WA
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Dieldrin	<0.51	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Endrin	<0.11	1.09		µg/L	0	WA
		Endrin	<0.11	1.09		µg/L	0	WA
		Endrin	<0.21	2.13		µg/L	0	WA
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	157	1	J	µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	153	1		µg/L	0	WA
		Fluoride	156	1		µg/L	0	WA
		Heptachlor	<0.051	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	6.4	1	J	µg/L	0	GE
		Iron, total recoverable	5.6	1	J	µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46B collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	5.7	1	J	µg/L	0	GE
		Iron, total recoverable	<126	1	JV	µg/L	0	WA
		Iron, total recoverable	<34	1	JV	µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.0051	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Lindane	<0.055	1.09		µg/L	0	WA
		Lindane	<0.055	1.09		µg/L	0	WA
		Lindane	<0.11	2.13		µg/L	0	WA
		Magnesium, total recoverable	325	1		µg/L	0	GE
		Magnesium, total recoverable	325	1		µg/L	0	GE
		Magnesium, total recoverable	330	1		µg/L	0	GE
		Magnesium, total recoverable	350	1		µg/L	0	WA
		Magnesium, total recoverable	392	1		µg/L	0	WA
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	WA
		Manganese, total recoverable	2.5	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.51	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Methoxychlor	<1.1	2.13		µg/L	0	WA
		Methoxychlor	<1.1	2.13		µg/L	0	WA
		Methoxychlor	<0.55	1.09		µg/L	0	WA
		Methoxychlor	<0.55	1.09		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nickel, total recoverable	4.9	1		µg/L	0	WA
		Nitrate as nitrogen	635	1		µg/L	0	WA
		Nitrate as nitrogen	645	1		µg/L	0	WA
		Nitrate-nitrite as nitrogen	650	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	660	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	509	1	J	µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	WA
		Potassium, total recoverable	515	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46B collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	12,500	1		µg/L	0	GE
		Silica, total recoverable	12,400	1		µg/L	0	GE
		Silica, total recoverable	12,600	1		µg/L	0	GE
		Silica, total recoverable	11,900	2.1		µg/L	0	WA
		Silica, total recoverable	12,200	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,790	1		µg/L	0	GE
		Sodium, total recoverable	1,770	1		µg/L	0	GE
		Sodium, total recoverable	1,800	1		µg/L	0	GE
		Sodium, total recoverable	1,800	1		µg/L	0	WA
		Sodium, total recoverable	1,840	1		µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<17	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	1.9	1		µg/L	0	GE
		Toluene	1.9	1		µg/L	0	GE
		Toluene	1.5	1	J	µg/L	0	WA
		Toluene	1.6	1	J	µg/L	0	WA
		Total dissolved solids	52,000	1		µg/L	0	GE
		Total dissolved solids	45,000	1		µg/L	0	GE
		Total dissolved solids	50,000	1		µg/L	0	WA
		Total dissolved solids	82,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	8.0	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	6.1	1		µg/L	0	WA
		Total organic halogens	9.0	1		µg/L	0	WA
		Total phosphates (as P)	620	1		µg/L	0	GE
		Total phosphates (as P)	660	1		µg/L	0	GE
		Total phosphates (as P)	823	2		µg/L	0	WA
		Total phosphates (as P)	862	2		µg/L	0	WA
		Toxaphene	<0.24	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46B collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toxaphene	<0.25	1		µg/L	0	GE
		Toxaphene	<1.1	1.09		µg/L	0	WA
		Toxaphene	<1.1	1.09		µg/L	0	WA
		Toxaphene	<2.1	2.13		µg/L	0	WA
		Toxaphene	<2.1	2.13		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<1.1	2.25		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.56	1.11		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		Trichloroethylene	1.8	1		µg/L	0	GE
		Trichloroethylene	1.8	1		µg/L	0	GE
		Trichloroethylene	1.2	1	J	µg/L	0	WA
		Trichloroethylene	1.5	1	J	µg/L	0	WA
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		2,4,5-T	<0.00046	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<5.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	9.0E-02	1	UI	pCi/L	0	GP
		Gross alpha	3.9E-01	1	UI	pCi/L	0	GP
		Gross alpha	6.0E-01	1		pCi/L	0	TM
		Gross alpha	1.2E+00	1		pCi/L	0	TM
		Nonvolatile beta	1.1E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	2.0E+00	1		pCi/L	0	TM
		Nonvolatile beta	1.8E+00	1		pCi/L	0	TM
		Radium-226	1.4E-01	1		pCi/L	0	TM
		Radium-226	<1.5E-01	1		pCi/L	0	TM
		Radium-228	7.0E-01	1		pCi/L	0	TM
		Radium-228	3.0E-01	1	UI	pCi/L	0	TM
		Radium, total alpha-emitting	-1.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Tritium	6.5E+00	1		pCi/mL	0	GP
		Tritium	1.6E-01	1	UI	pCi/mL	0	GP
		Tritium	6.8E+00	1		pCi/mL	0	TM

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46B collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tritium	7.6E+00	1		pCi/mL	0	TM
		Uranium-233/234	-1.3E-02	1	UI	pCi/L	0	CN
		Uranium-233/234	1.2E-01	1	UI	pCi/L	0	CN
		Uranium-233/234	<0.0E+00	1		pCi/L	0	GP
		Uranium-233/234	1.0E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	CN
		Uranium-235	1.2E-01	1		pCi/L	0	CN
		Uranium-235	-1.3E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.0E-01	1	UI	pCi/L	0	GP
		Uranium-238	9.9E-02	1	UI	pCi/L	0	CN
		Uranium-238	9.1E-02	1	UI	pCi/L	0	CN
		Uranium-238	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.0E-01	1	UI	pCi/L	0	GP

WELL BGO 46C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75022.2 E54433.9	33.280515 °N 81.669194 °W	188.0-178.0 ft msl	265.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 45.43 ft (13.85 m) below TOC
Water elevation: 219.67 ft (66.96 m) msl
Sp. conductance: 56 µS/cm
Turbidity: 12.7 NTU
Water evacuated before sampling: 30 gal
The well went dry during purging.

Time: 8:26
pH: 6.3
Alkalinity: 11 mg/L
Water temperature: 18.3 °C
Volumes purged: 1.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.0	1	J1	pH	0	GE
		Specific conductance	46	1		µS/cm	0	GE
		Turbidity	13	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	46	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	6.8	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,440	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46C collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloride	2,390	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	4.4	1	J	µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	132	1		µg/L	0	GE
		Lead, total recoverable	3.7	1	J	µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	320	1		µg/L	0	GE
		Manganese, total recoverable	8.3	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	640	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,360	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46C collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silica, total recoverable	8,300	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	6,500	1		µg/L	0	GE
		Sulfate	2,730	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	3.3	1	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	37,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	5.9	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
	■	Trichloroethylene	25	1		µg/L	2	GE
	■	Trichloroethylene	25	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	4.9E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	5.7E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
	■	Tritium	9.8E+01	1		pCi/mL	2	GP
		Uranium-233/234	5.2E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	5.2E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75033.8 E54420.0	33.280518 °N 81.669253 °W	212.1-202.1 ft msl	265.1 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/12/94
Depth to water: 39.56 ft (12.06 m) below TOC
Water elevation: 225.54 ft (68.75 m) msl
Sp. conductance: 49 µS/cm
Turbidity: 0.1 NTU
Water evacuated before sampling: 118 gal

Time: 14:26
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 20.6 °C
Volumes purged: 7.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1	J1	pH	0	GE
		Specific conductance	43	1		µS/cm	0	GE
•		Turbidity	<0.10	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	23	1	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	6.7	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	584	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	6,930	1		µg/L	0	GE
		Chloride	7,080	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
■		Chloroethene (Vinyl chloride)	3.6	1		µg/L	2	GE
■		Chloroethene (Vinyl chloride)	2.7	1		µg/L	2	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	3.5	1		µg/L	0	GE
		Chloroform	2.7	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	22	1		µg/L	2	GE
		1,1-Dichloroethane	18	1		µg/L	2	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	1.5	1	J	µg/L	0	GE
		1,1-Dichloroethylene	1.1	1	J	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	5.3	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	429	1		µg/L	0	GE
		Manganese, total recoverable	17	1		µg/L	0	GE
		Mercury, total recoverable	0.31	1	J	µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	780	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,760	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	5,890	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
■		Tetrachloroethylene	8.3	1		µg/L	2	GE
■		Tetrachloroethylene	7.5	1		µg/L	2	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46D collected on 04/12/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	33,000	1	JV2	µg/L	0	GE
		Total organic carbon	2,300	1		µg/L	0	GE
		Total organic halogens	199	1		µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	44	1		µg/L	2	GE
■		Trichloroethylene	44	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	3.3	1	J	µg/L	0	GE
		Xylenes	2.7	1	J	µg/L	0	GE
		Gross alpha	1.8E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J	pCi/L	0	GP
		Total activity	3.8E+07	50		pCi/L	0	EM
■		Tritium	3.9E+04	1		pCi/mL	2	GP
		Uranium-233/234	1.4E-01	1	J	pCi/L	0	GP
		Uranium-235	4.9E-03	1	UI	pCi/L	0	GP
		Uranium-238	9.8E-02	1	J	pCi/L	0	GP

WELL BGO 47A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74728.8 E54914.0	33.280650 °N 81.667360 °W	96.8-86.8 ft msl	266.9 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/11/94
Depth to water: 104.60 ft (31.88 m) below TOC
Water elevation: 162.30 ft (49.47 m) msl
Sp. conductance: 161 µS/cm
Turbidity: 0.7 NTU
Water evacuated before sampling: 262 gal

Time: 15:58
pH: 7.2
Alkalinity: 49 mg/L
Water temperature: 20.1 °C

Volumes purged: 5.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1	J1	pH	0	GE
		Specific conductance	145	1		µS/cm	0	GE
		Turbidity	0.15	1	J	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 47A collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aluminum, total recoverable	44	1		µg/L	1	GE
		Antimony, total recoverable	<10	5		µg/L	0	GE
		Antimony, total recoverable	<10	5		µg/L	0	GE
		Arsenic, total recoverable	<10	5		µg/L	0	GE
		Arsenic, total recoverable	<10	5		µg/L	0	GE
		Barium, total recoverable	41	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	24,800	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,490	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	12	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.099	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0059	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	129	1	J	µg/L	0	GE
		Fluoride	129	1	J	µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	15	1		µg/L	0	GE
		Lead, total recoverable	<6.0	2		µg/L	0	GE
		Lead, total recoverable	<6.0	2		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	560	1		µg/L	0	GE
		Manganese, total recoverable	41	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	90	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,590	1		µg/L	0	GE
		Selenium, total recoverable	<10	5		µg/L	0	GE
		Selenium, total recoverable	<10	5		µg/L	0	GE
		Silica, total recoverable	21,900	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 47A collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,580	1		µg/L	0	GE
		Sulfate	5,940	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	103,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	7.5	1	J	µg/L	0	GE
		Total phosphates (as P)	300	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	0.38	1	JV2	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	9.8E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Tritium	6.2E-01	1	J	pCi/mL	0	GP
		Uranium-233/234	2.3E-01	1	J	pCi/L	0	GP
		Uranium-235	1.5E-01	1	J	pCi/L	0	GP
		Uranium-238	1.5E-01	1	J	pCi/L	0	GP

WELL BGO 47C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74752.0	33.280733 °N	188.6-178.6 ft msl	267.6 ft msl	4" PVC	S	Barnwell (IIB ₁)
E54933.4	81.667354 °W					

FIELD MEASUREMENTS

Sample date: 04/11/94 Time: 15:23
 Depth to water: 44.82 ft (13.66 m) below TOC
 Water elevation: 222.78 ft (67.90 m) msl
 No water evacuated before sampling.
 Inaccessibility or pump failure prevented sample collection.

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 47D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74739.7 E54922.9	33.280689 °N 81.667357 °W	213.4-203.4 ft msl	267.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/11/94	Time: 15:40
Depth to water: 40.94 ft (12.48 m) below TOC	pH: 5.2
Water elevation: 226.46 ft (69.03 m) msl	Alkalinity: 2 mg/L
Sp. conductance: 47 µS/cm	Water temperature: 20.6 °C
Turbidity: 0.3 NTU	
Water evacuated before sampling: 192 gal	Volumes purged: 12.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1	J1	pH	0	GE
		Specific conductance	40	1		µS/cm	0	GE
•		Turbidity	<0.10	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	14	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	2,360	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,090	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	4.7	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 47D collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
●		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1	J1	µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	<4.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	858	1		µg/L	0	GE
		Manganese, total recoverable	12	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,910	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,500	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,940	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	33,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	29	1		µg/L	1	GE
		Total organic halogens	22	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	19	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.0E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.7E+00	1		pCi/L	0	GP
		Total activity	2.8E+06	10		pCi/L	0	EM
■		Tritium	2.7E+03	1		pCi/mL	2	GP
		Uranium-233/234	1.6E-01	1	J	pCi/L	0	GP
		Uranium-235	1.0E-01	1	J	pCi/L	0	GP
		Uranium-238	1.0E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 48C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74599.6 E55124.4	33.280708 °N 81.666555 °W	186.7-176.7 ft msl	276.6 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/11/94
Depth to water: 53.11 ft (16.19 m) below TOC
Water elevation: 223.49 ft (68.12 m) msl
Sp. conductance: 39 µS/cm
Turbidity: 0.5 NTU
Water evacuated before sampling: 160 gal

Time: 12:34
pH: 5.0
Alkalinity: 1 mg/L
Water temperature: 20.6 °C

Volumes purged: 5.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.5	1	J1	pH	0	GE
		Specific conductance	33	1		µS/cm	0	GE
•		Turbidity	0.26	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	11	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,680	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,280	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	1.3	1	J	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 48C collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
•		Fluoride	<100	1	J1	µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	14	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	655	1		µg/L	0	GE
		Manganese, total recoverable	10	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,820	1		µg/L	0	GE
•		Phenols	<5.0	1	J1	µg/L	0	GE
•		Phenols	<5.0	1	J1	µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,030	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,600	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	2.2	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	26,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	41	1		µg/L	1	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	4.7	1		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	4.6E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	7.5E-01	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1	J	pCi/L	0	GP
		Total activity	3.7E+06	10		pCi/L	0	EM
■		Tritium	3.6E+03	1		pCi/mL	2	GP
		Uranium-233/234	1.6E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	6.0E-02	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 48D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74586.4 E55121.0	33.280673 °N 81.666538 °W	212.0-202.0 ft msl	276.9 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/11/94
Depth to water: 50.11 ft (15.27 m) below TOC
Water elevation: 226.79 ft (69.13 m) msl
Sp. conductance: 65 µS/cm
Turbidity: 1.4 NTU
Water evacuated before sampling: 236 gal

Time: 12:49
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 21.0 °C

Volumes purged: 14.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.8	1	J1	pH	0	GE
		Specific conductance	54	1		µS/cm	0	GE
•		Turbidity	0.12	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	121	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	76	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	778	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	6,050	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	3.9	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	2.2	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 48D collected on 04/11/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.50	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
•		Fluoride	<100	1	J1	µg/L	0	GE
•		Fluoride	<100	1	J1	µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	5.4	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	1,050	1		µg/L	0	GE
		Manganese, total recoverable	10	1		µg/L	0	GE
		Mercury, total recoverable	0.42	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,600	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	524	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,360	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	5,380	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
■		Tetrachloroethylene	68	1		µg/L	2	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	37,000	1		µg/L	0	GE
		Total dissolved solids	43,000	1		µg/L	0	GE
		Total organic carbon	1,640	1	J	µg/L	0	GE
		Total organic halogens	120	1		µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	41	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	7.4E+00	1		pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	5.8E+00	1		pCi/L	0	GP
		Total activity	1.2E+08	50		pCi/L	0	EM
■		Tritium	1.1E+05	1		pCi/mL	2	GP
		Uranium-233/234	9.1E-02	1	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	1.2E-01	1	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73902.8 E56205.1	33.280930 °N 81.662356 °W	85.1-75.1 ft msl	271.2 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/13/94	Time: 11:58
Depth to water: Not available	pH: 10.8
Water elevation: Not available	Alkalinity: 97 mg/L
Sp. conductance: 276 µS/cm	Water temperature: 19.9 °C
Turbidity: 0.3 NTU	
Water evacuated before sampling: 230 gal	

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	11	1	J1	pH	2	GE
•		pH	11	1	J1	pH	2	GE
		Specific conductance	213	1		µS/cm	0	GE
		Turbidity	0.11	1	J	NTU	0	GE
		Turbidity	0.11	1	J	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	505	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	50	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	37,700	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,280	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49A collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.5	1	J3	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	4.9	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	449	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	6,330	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,340	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,000	1		µg/L	0	GE
		Sulfate	2,450	1		µg/L	0	GE
		1,1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	14	1		µg/L	1	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	116,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	90	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49A collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.46	1	J3	µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.46	1	J3	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.0E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	5.0E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J	pCi/L	0	GP
		Tritium	6.9E-01	1	J	pCi/mL	0	GP
		Uranium-233/234	-1.3E-02	1	UI	pCi/L	0	GP
		Uranium-235	-6.3E-03	1	UI	pCi/L	0	GP
		Uranium-238	5.2E-02	1	UI	pCi/L	0	GP

WELL BGO 49C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73917.2	33.280957 °N	176.0-166.0 ft msl	271.1 ft msl	4" PVC	S	Barnwell (IIB,)
E56202.2	81.662391 °W					

FIELD MEASUREMENTS

Sample date: 04/13/94
Depth to water: 42.89 ft (13.07 m) below TOC
Water elevation: 228.21 ft (69.56 m) msl
Sp. conductance: 80 µS/cm
Turbidity: 0.2 NTU
Water evacuated before sampling: 154 gal

Time: 11:34
pH: 7.3
Alkalinity: 20 mg/L
Water temperature: 19.2 °C
Volumes purged: 3.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.5	1	J1	pH	0	GE
		Specific conductance	69	1		µS/cm	0	GE
		Turbidity	0.11	1	J	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	21	1	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	34	1		µg/L	0	GE
		Benzene	<1.0	1	J3	µg/L	0	GE
		Bromodichloromethane	<1.0	1	J3	µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49C collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromoform	<1.0	1	J3	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1	J3	µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	7,020	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1	J3	µg/L	0	GE
		Chloride	2,470	1		µg/L	0	GE
		Chloride	2,540	1		µg/L	0	GE
		Chlorobenzene	<1.0	1	J3	µg/L	0	GE
		Chloroethane	<1.0	1	J3	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1	J3	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1	J3	µg/L	0	GE
		Chloroform	<1.0	1	J3	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1	J3	µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1	J3	µg/L	0	GE
		1,1-Dichloroethane	<1.0	1	J3	µg/L	0	GE
		1,2-Dichloroethane	<1.0	1	J3	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1	J3	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1	J3	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1	J3	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1	J3	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1	J3	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1	J3	µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1	J3	µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	<4.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	426	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	560	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	550	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	2,930	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	9,580	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	4,380	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49C collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1	J3	µg/L	0	GE
		Tetrachloroethylene	<1.0	1	J3	µg/L	0	GE
		Tin, total recoverable	6.0	1		µg/L	0	GE
		Toluene	<1.0	1	J3	µg/L	0	GE
		Total dissolved solids	47,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1	J3	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1	J3	µg/L	0	GE
		Trichloroethylene	<1.0	1	J3	µg/L	0	GE
		Trichlorofluoromethane	<1.0	1	J3	µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1	J3	µg/L	0	GE
		Gross alpha	2.3E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J	pCi/L	0	GP
■		Tritium	3.1E+01	1		pCi/mL	2	GP
		Uranium-233/234	-1.1E-02	1	UI	pCi/L	0	GP
		Uranium-235	3.8E-02	1	UI	pCi/L	0	GP
		Uranium-238	-5.3E-03	1	UI	pCi/L	0	GP

WELL BGO 49D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73931.5	33.280983 °N	238.5-218.5 ft msl	271.5 ft msl	4" PVC	S	Water Table (IIB ₂)
E56198.8	81.662428 °W					

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 36.91 ft (11.25 m) below TOC
Water elevation: 234.59 ft (71.50 m) msl
Sp. conductance: 39 µS/cm
Turbidity: 9.9 NTU
Water evacuated before sampling: 9 gal
The well went dry during purging.

Time: 9:34
pH: 5.4
Alkalinity: 1 mg/L
Water temperature: 17.7 °C
Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.5	1	J1	pH	0	GE
		Specific conductance	30	1		µS/cm	0	GE
		Turbidity	4.6	1		NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Aldrin	<0.050	1	J3	µg/L	0	GE
		Aluminum, total recoverable	76	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49D collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	7.8	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	417	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,620	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1	J3	µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1	J3	µg/L	0	GE
		Endrin	<0.0060	1	J3	µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1	J3	µg/L	0	GE
		Iron, total recoverable	113	1		µg/L	0	GE
		Lead, total recoverable	4.1	1	J	µg/L	0	GE
		Lindane	<0.0050	1	J3	µg/L	0	GE
		Magnesium, total recoverable	354	1		µg/L	0	GE
		Manganese, total recoverable	2.7	1	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1	J3	µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,000	2		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,120	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,550	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49D collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	27,000	1	JV2	µg/L	0	GE
		Total organic carbon	3,530	1		µg/L	0	GE
		Total organic halogens	7.0	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		Tributyl phosphate	<11	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.1E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	9.7E-01	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
■		Tritium	2.4E+01	1		pCi/mL	2	GP
		Uranium-233/234	5.0E-02	1	UI	pCi/L	0	GP
		Uranium-235	-6.0E-03	1	UI	pCi/L	0	GP
		Uranium-238	3.3E-02	1	UI	pCi/L	0	GP

WELL BGO 50A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75201.2 E54179.8	33.280497 °N 81.670210 °W	100.5-90.5 ft msl	255.4 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 95.37 ft (29.07 m) below TOC
Water elevation: 160.03 ft (48.78 m) msl
Sp. conductance: 591 µS/cm
Turbidity: 2.6 NTU
Water evacuated before sampling: 40 gal
The well went dry during purging.

Time: 9:07
pH: 11.6
Alkalinity: 132 mg/L
Water temperature: 18.6 °C
Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	12	1	J1	pH	2	GE
		Specific conductance	666	1		µS/cm	2	GE
		Turbidity	0.64	1		NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Aldrin	<0.053	1		µg/L	0	GE
		Aluminum, total recoverable	501	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	2.2	1	J	µg/L	0	GE
		Barium, total recoverable	166	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50A collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	43,700	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	6,710	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	32	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	4.5	1	J	µg/L	0	GE
		Copper, total recoverable	32	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.11	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.53	1		µg/L	0	GE
		Endrin	<0.0064	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.053	1		µg/L	0	GE
		Iron, total recoverable	18	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0053	1		µg/L	0	GE
		Magnesium, total recoverable	39	1		µg/L	0	GE
		Manganese, total recoverable	<2.0	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.53	1		µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	330	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	11,500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	17,700	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	22,900	1		µg/L	0	GE
		Sulfate	2,870	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	23	1		µg/L	2	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	213,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	73	1		µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50A collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toxaphene	<0.26	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1		µg/L	0	GE
		Tributyl phosphate	<11	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00047	1		µg/L	0	GE
		Vanadium, total recoverable	8.3	1	J	µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.0E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	9.4E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.9E+00	1		pCi/L	0	GP
		Tritium	7.2E-01	1	J	pCi/mL	0	GP
		Uranium-233/234	5.8E-02	1	UI	pCi/L	0	GP
		Uranium-235	-7.1E-03	1	UI	pCi/L	0	GP
		Uranium-238	1.1E-01	1	UI	pCi/L	0	GP

WELL BGO 50C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75190.4 E54197.0	33.280501 °N 81.670144 °W	172.5-162.5 ft msl	255.5 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 47.54 ft (14.49 m) below TOC
Water elevation: 207.96 ft (63.39 m) msl
Sp. conductance: 33 µS/cm
Turbidity: 10.7 NTU
Water evacuated before sampling: 38 gal
The well went dry during purging.

Time: 8:50
pH: 5.4
Alkalinity: 1 mg/L
Water temperature: 11.7 °C

Volumes purged: 1.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1	J1	pH	0	GE
		Specific conductance	37	1		µS/cm	0	GE
		Turbidity	8.0	1		NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	60	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	5.6	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,310	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,320	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50C collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloride	2,340	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	47	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	389	1		µg/L	0	GE
		Manganese, total recoverable	14	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	620	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	9,160	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,230	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	28,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	12	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50C collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tributyl phosphate	<11	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	11	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.3E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	6.2E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
■		Tritium	1.0E+02	1		pCi/mL	2	GP
		Uranium-233/234	1.4E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1		pCi/L	0	GP
		Uranium-238	4.7E-02	1	UI	pCi/L	0	GP

WELL BGO 50D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75181.3	33.280501 °N	228.0-208.0 ft msl	256 ft msl	4" PVC	S	Water Table (IIB ₂)
E54209.1	81.670095 °W					

FIELD MEASUREMENTS

Sample date: 04/13/94
Depth to water: 30.57 ft (9.32 m) below TOC
Water elevation: 225.43 ft (68.71 m) msl
Sp. conductance: 74 µS/cm
Turbidity: 1.0 NTU
Water evacuated before sampling: 49 gal

Time: 9:57
pH: 6.0
Alkalinity: 14 mg/L
Water temperature: 20.0 °C
Volumes purged: 4.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
●		pH	6.0	1	J1	pH	0	GE
●		pH	6.0	1	J1	pH	0	GE
		Specific conductance	58	1		µS/cm	0	GE
		Turbidity	0.34	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	63	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	11	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	7,700	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,010	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50D collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	1.1	1	J	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	10	1		µg/L	2	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	5.3	1	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	419	1		µg/L	0	GE
		Manganese, total recoverable	3.7	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	900	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	587	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,060	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,430	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	1.5	1	J	µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	45,000	1		µg/L	0	GE
		Total dissolved solids	44,000	1	JV2	µg/L	0	GE
		Total organic carbon	2,090	1		µg/L	0	GE
•		Total organic halogens	227	4	J1	µg/L	2	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50D collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
■		Trichloroethylene	19	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.4E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1		pCi/L	0	GP
		Total activity	6.3E+06	10		pCi/L	0	EM
■		Tritium	6.1E+03	1		pCi/mL	2	GP
		Uranium-233/234	5.1E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	4.1E-02	1	UI	pCi/L	0	GP

WELL BGX 1C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76820.0	33.291289 °N	186.0-176.0 ft msl	291.3 ft msl	4" PVC	S	Barnwell (IIB ₁)
E58599.8	81.661716 °W					

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 75.54 ft (23.02 m) below TOC
Water elevation: 215.76 ft (65.76 m) msl
Sp. conductance: 156 µS/cm
Turbidity: 3.9 NTU
Water evacuated before sampling: 16 gal
The well went dry during purging.

Time: 11:45
pH: 11.9
Alkalinity: 358 mg/L
Water temperature: 19.6 °C

Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
●		pH	12	1	J1	pH	2	GE
		Specific conductance	1,740	1		µS/cm	2	GE
●		Turbidity	3.0	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	665	2		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	199	2		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<4.0	2		µg/L	0	GE
		Calcium, total recoverable	158,000	2		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	935	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 1C collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<8.0	2		µg/L	0	GE
		Copper, total recoverable	<8.0	2		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	11	2	J	µg/L	0	GE
		Lead, total recoverable	8.1	1		µg/L	0	GE
		Lead, total recoverable	8.8	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	170	2		µg/L	0	GE
		Manganese, total recoverable	<4.0	2		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<8.0	2		µg/L	0	GE
		Nitrate-nitrite as nitrogen	380	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	5,710	2		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,600	2		µg/L	0	GE
		Silver, total recoverable	<4.0	2		µg/L	0	GE
		Sodium, total recoverable	5,220	2		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	4.7	2	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	412,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	60	1	J	µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 1C collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<16	2		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.8E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	3.5E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1		pCi/L	0	GP
		Total activity	1.5E+06	10		pCi/L	0	EM
■		Tritium	1.6E+03	1		pCi/mL	2	GP

WELL BGX 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76809.5	33.291280 °N	234.7-214.7 ft msl	291.3 ft msl	4" PVC	S	Water Table (IIB ₂)
E58608.6	81.661673 °W					

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 61.49 ft (18.74 m) below TOC
Water elevation: 229.81 ft (70.05 m) msl
Sp. conductance: 109 µS/cm
Turbidity: 45.0 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 12:01
pH: 5.4
Alkalinity: 4 mg/L
Water temperature: 19.8 °C

Volumes purged: 0.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	J1	pH	0	GE
		Specific conductance	65	1		µS/cm	0	GE
		Specific conductance	68	1		µS/cm	0	GE
•		Turbidity	23	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	165	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	27	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	6,020	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,080	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 1D collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	198	1		µg/L	1	GE
		Lead, total recoverable	12	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	836	1		µg/L	0	GE
		Manganese, total recoverable	42	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	4.1	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,100	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,750	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,700	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,470	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	3.8	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	46,000	1		µg/L	0	GE
		Total organic carbon	1,560	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	7.3E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	2.6E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
		Total activity	3.5E+05	1		pCi/L	0	EM

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 1D collected on 04/14/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
■		Tritium	3.5E+02	1		pCi/mL	2	GP

WELL BGX 2B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N77203.4 E58256.5	33.291577 °N 81.663365 °W	147.2-137.2 ft msl	291.3 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 78.92 ft (24.06 m) below TOC
Water elevation: 212.38 ft (64.73 m) msl
Sp. conductance: 261 µS/cm
Turbidity: 17.3 NTU
Water evacuated before sampling: 50 gal
The well went dry during purging.

Time: 10:56
pH: 7.6
Alkalinity: 99 mg/L
Water temperature: 19.1 °C
Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.8	1	J1	pH	0	GE
		Specific conductance	235	1		µS/cm	0	GE
		Specific conductance	235	1		µS/cm	0	GE
		Turbidity	1.0	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	29	1	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	61	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	47,500	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,550	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 2B collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	54	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	645	1		µg/L	0	GE
		Manganese, total recoverable	2.2	1	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	580	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	745	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	25,700	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,560	1		µg/L	0	GE
		Sulfate	3,470	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	160,000	1	JV2	µg/L	0	GE
		Total organic carbon	1,740	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	3.9E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Tritium	3.5E+00	1		pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77192.4 E58265.6	33.291567 °N 81.663320 °W	191.1-181.1 ft msl	291.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 75.88 ft (23.13 m) below TOC
Water elevation: 215.22 ft (65.60 m) msl
Sp. conductance: 75 µS/cm
Turbidity: 2.3 NTU
Water evacuated before sampling: 20 gal
The well went dry during purging.

Time: 11:12
pH: 5.4
Alkalinity: 3 mg/L
Water temperature: 19.2 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	J1	pH	0	GE
•		pH	5.8	1	J1	pH	0	GE
		Specific conductance	33	1		µS/cm	0	GE
		Turbidity	0.75	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	37	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	5.1	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	2,590	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,090	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	42	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 2D collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	34	1		µg/L	0	GE
		Lead, total recoverable	4.0	1	J	µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	422	1		µg/L	0	GE
		Manganese, total recoverable	10	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,450	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,450	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	571	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,470	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,790	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	35,000	1	JV2	µg/L	0	GE
		Total dissolved solids	31,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	19	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
■		Trichloroethylene	15	1		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.9E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.5E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	-2.0E-01	1	UI	pCi/L	0	GP
■		Tritium	9.7E+01	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77577.0 E57780.1	33.291626 °N 81.665346 °W	221.6-201.6 ft msl	291.2 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/13/94	Time: 15:16
Depth to water: 76.18 ft (23.22 m) below TOC	pH: 5.6
Water elevation: 215.02 ft (65.54 m) msl	Alkalinity: 4 mg/L
Sp. conductance: 36 µS/cm	Water temperature: 19.7 °C
Turbidity: 0.6 NTU	
Water evacuated before sampling: 46 gal	Volumes purged: 5.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	J1	pH	0	GE
		Specific conductance	29	1		µS/cm	0	GE
		Turbidity	<0.10	1		NTU	0	GE
		Turbidity	<0.10	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	14	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,790	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,990	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	23	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 3D collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	13	1		µg/L	0	GE
		Lead, total recoverable	3.2	1	J	µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	673	1		µg/L	0	GE
		Manganese, total recoverable	14	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	880	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	733	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,590	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,780	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	2.1	1	J	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	32,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	6.0	1	J	µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	3.6	1		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00048	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	6.1E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	2.6E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Total activity	1.4E+06	10		pCi/L	0	EM
■		Tritium	1.4E+03	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77879.2 E57215.6	33.291373 °N 81.667419 °W	116.8-106.8 ft msl	290.9 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 135.81 ft (41.40 m) below TOC
Water elevation: 155.09 ft (47.27 m) msl
Sp. conductance: 303 μ S/cm
Turbidity: 0.7 NTU
Water evacuated before sampling: 108 gal

Time: 15:32
pH: 7.7
Alkalinity: 119 mg/L
Water temperature: 20.0 °C

Volumes purged: 3.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.7	1	J1	pH	0	GE
•		pH	7.7	1	J1	pH	0	GE
•		pH	7.5	1	J	pH	0	WA
•		pH	7.6	1	J	pH	0	WA
		Specific conductance	267	1		μ S/cm	1	GE
		Specific conductance	266	1		μ S/cm	1	GE
		Specific conductance	256	1		μ S/cm	1	WA
		Specific conductance	258	1		μ S/cm	1	WA
		Turbidity	0.26	1		NTU	0	GE
		Turbidity	0.40	1		NTU	0	GE
•		Turbidity	0.27	1	J	NTU	0	WA
•		Turbidity	0.35	1	J	NTU	0	WA
		Acetophenone	<10	1		μ g/L	0	GE
		Acetophenone	<10	1		μ g/L	0	GE
		Acetophenone	<10	1		μ g/L	0	GE
		Acetophenone	<10	1		μ g/L	0	WA
		Acetophenone	<10	1		μ g/L	0	WA
		Aldrin	<0.052	1		μ g/L	0	GE
		Aldrin	<0.053	1		μ g/L	0	GE
		Aluminum, total recoverable	<20	1		μ g/L	0	GE
		Aluminum, total recoverable	<20	1		μ g/L	0	GE
		Aluminum, total recoverable	<20	1		μ g/L	0	WA
		Aluminum, total recoverable	<20	1		μ g/L	0	WA
		Aluminum, total recoverable	24	1		μ g/L	0	WA
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Antimony, total recoverable	<3.0	1		μ g/L	0	WA
		Antimony, total recoverable	<3.0	1		μ g/L	0	WA
		Antimony, total recoverable	<3.0	1		μ g/L	0	WA
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	2.0	1		μ g/L	0	WA
		Arsenic, total recoverable	<2.0	1		μ g/L	0	WA
		Arsenic, total recoverable	<2.0	1		μ g/L	0	WA
		Barium, total recoverable	38	1		μ g/L	0	GE
		Barium, total recoverable	39	1		μ g/L	0	GE
		Barium, total recoverable	39	1		μ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4A collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	40	1		µg/L	0	WA
		Barium, total recoverable	41	1		µg/L	0	WA
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<5.0	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	52,900	1		µg/L	0	GE
		Calcium, total recoverable	52,700	1		µg/L	0	GE
		Calcium, total recoverable	54,300	1	J3	µg/L	0	WA
		Calcium, total recoverable	54,800	1		µg/L	0	WA
		Calcium, total recoverable	56,000	1	J3	µg/L	0	WA
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,950	1		µg/L	0	GE
		Chloride	2,940	1		µg/L	0	GE
		Chloride	2,640	1		µg/L	0	WA
		Chloride	2,640	1		µg/L	0	WA
		Chloride	2,700	1		µg/L	0	WA
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4A collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		p,p'-DDT	<0.10	1		µg/L	0	GE
		p,p'-DDT	<0.11	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.9	2.86		µg/L	0	WA
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4A collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Dieldrin	<0.52	1		µg/L	0	GE
		Dieldrin	<0.53	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Endrin	<0.0064	1		µg/L	0	GE
		Endrin	<0.11	1.09		µg/L	0	WA
		Endrin	<0.11	1.09		µg/L	0	WA
		Endrin	<0.22	2.17		µg/L	0	WA
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Heptachlor	<0.052	1		µg/L	0	GE
		Heptachlor	<0.053	1		µg/L	0	GE
		Iron, total recoverable	16	1		µg/L	0	GE
		Iron, total recoverable	16	1		µg/L	0	GE
		Iron, total recoverable	18	1		µg/L	0	WA
		Iron, total recoverable	18	1		µg/L	0	WA
		Iron, total recoverable	21	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.0052	1		µg/L	0	GE
		Lindane	<0.0053	1		µg/L	0	GE
		Lindane	<0.055	1.09		µg/L	0	WA
		Lindane	<0.055	1.09		µg/L	0	WA
		Lindane	<0.11	2.17		µg/L	0	WA
		Magnesium, total recoverable	1,260	1		µg/L	0	GE
		Magnesium, total recoverable	1,250	1		µg/L	0	GE
		Magnesium, total recoverable	1,260	1		µg/L	0	WA
		Magnesium, total recoverable	1,270	1		µg/L	0	WA
		Magnesium, total recoverable	1,310	1		µg/L	0	WA
		Manganese, total recoverable	10.0	1		µg/L	0	GE
		Manganese, total recoverable	9.6	1		µg/L	0	GE
		Manganese, total recoverable	11	1		µg/L	0	WA
		Manganese, total recoverable	12	1		µg/L	0	WA
		Manganese, total recoverable	12	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.52	1		µg/L	0	GE
		Methoxychlor	<0.53	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4A collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Methoxychlor	<1.1	2.17		µg/L	0	WA
		Methoxychlor	<1.1	2.17		µg/L	0	WA
		Methoxychlor	<0.55	1.09		µg/L	0	WA
		Methoxychlor	<0.55	1.09		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	<20	1		µg/L	0	WA
		Nitrate as nitrogen	<20	1		µg/L	0	WA
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	1,430	1		µg/L	0	GE
		Potassium, total recoverable	1,500	1		µg/L	0	GE
		Potassium, total recoverable	1,270	1		µg/L	0	WA
		Potassium, total recoverable	1,550	1		µg/L	0	WA
		Potassium, total recoverable	1,590	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1	J3	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	35,000	1		µg/L	0	GE
		Silica, total recoverable	34,900	1		µg/L	0	GE
		Silica, total recoverable	32,600	2.1	J3	µg/L	0	WA
		Silica, total recoverable	33,100	2.1		µg/L	0	WA
		Silica, total recoverable	33,600	2.1	J3	µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,420	1		µg/L	0	GE
		Sodium, total recoverable	2,420	1		µg/L	0	GE
		Sodium, total recoverable	2,510	1		µg/L	0	WA
		Sodium, total recoverable	2,540	1		µg/L	0	WA
		Sodium, total recoverable	2,550	1		µg/L	0	WA
		Sulfate	8,160	1		µg/L	0	GE
		Sulfate	8,110	1		µg/L	0	GE
		Sulfate	9,940	4		µg/L	0	WA
		Sulfate	10,200	4		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4A collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<17	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	188,000	1	JV2	µg/L	0	GE
		Total dissolved solids	211,000	1	JV2	µg/L	0	GE
		Total dissolved solids	179,000	1		µg/L	0	WA
		Total dissolved solids	186,000	1		µg/L	0	WA
		Total organic carbon	1,010	1	J	µg/L	0	GE
		Total organic carbon	1,260	1	J	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	WA
		Total organic halogens	13	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Toxaphene	<0.25	1		µg/L	0	GE
		Toxaphene	<0.26	1		µg/L	0	GE
		Toxaphene	<1.1	1.09		µg/L	0	WA
		Toxaphene	<1.1	1.09		µg/L	0	WA
		Toxaphene	<2.2	2.17		µg/L	0	WA
		Toxaphene	<2.2	2.17		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<1.4	2.86		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.09		µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<5.0	1		µg/L	0	WA
		Trichloroethylene	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4A collected on 04/14/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2,4,5-T	<0.00046	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<5.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	4.8E-01	1	UI	pCi/L	0	GP
		Gross alpha	5.8E-01	1	UI	pCi/L	0	GP
		Gross alpha	<4.9E-01	1		pCi/L	0	TM
		Gross alpha	<3.5E-01	1		pCi/L	0	TM
		Nonvolatile beta	1.4E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	7.1E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	5.1E+00	1		pCi/L	0	TM
		Nonvolatile beta	3.1E+00	1		pCi/L	0	TM
		Radium-226	2.1E-01	1		pCi/L	0	TM
		Radium-226	2.0E-01	1		pCi/L	0	TM
		Radium-226	1.8E-01	1		pCi/L	0	TM
		Radium-228	1.0E+00	1		pCi/L	0	TM
		Radium-228	1.5E+00	1		pCi/L	0	TM
		Radium-228	5.0E-01	1	UI	pCi/L	0	TM
		Radium, total alpha-emitting	-1.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Tritium	2.8E-01	1	UI	pCi/mL	0	GP
		Tritium	9.7E-02	1	UI	pCi/mL	0	GP
		Tritium	2.8E-01	1		pCi/mL	0	TM
		Tritium	2.3E-01	1	UI	pCi/mL	0	TM
		Tritium	2.8E-01	1		pCi/mL	0	TM

WELL BGX 4C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N77886.2	33.291367 °N	180.7-170.7 ft msl	290.8 ft msl	4" PVC	S	McBean (IIB ₁)
E57202.2	81.667468 °W					

FIELD MEASUREMENTS

Sample date: 04/13/94
Depth to water: 76.14 ft (23.21 m) below TOC
Water elevation: 214.66 ft (65.43 m) msl
Sp. conductance: 84 µS/cm
Turbidity: 0.7 NTU
Water evacuated before sampling: 191 gal

Time: 14:33
pH: 6.3
Alkalinity: 24 mg/L
Water temperature: 19.4 °C

Volumes purged: 6.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.7	1	J1	pH	0	GE
		Specific conductance	72	1		µS/cm	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4C collected on 04/13/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Turbidity	0.23	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	6.9	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	10,600	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,410	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	<4.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	597	1		µg/L	0	GE
		Manganese, total recoverable	2.5	1	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	780	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	11,100	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4C collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sodium, total recoverable	2,560	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	47,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	9.1	1		µg/L	0	GE
		Total phosphates (as P)	140	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	2.1	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00048	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	5.0E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	5.8E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Tritium	3.1E+00	1		pCi/mL	0	GP

WELL BGX 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77893.9 E57186.2	33.291358 °N 81.667525 °W	223.8-203.8 ft msl	290.9 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/13/94
Depth to water: 75.00 ft (22.86 m) below TOC
Water elevation: 215.90 ft (65.81 m) msl
Sp. conductance: 45 µS/cm
Turbidity: 1.2 NTU
Water evacuated before sampling: 32 gal

Time: 14:13
pH: 5.7
Alkalinity: 5 mg/L
Water temperature: 19.8 °C

Volumes purged: 4.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1	J1	pH	0	GE
		Specific conductance	55	1		µS/cm	0	GE
		Specific conductance	55	1		µS/cm	0	GE
		Turbidity	0.32	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	23	1	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4D collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	9.1	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	2,420	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,430	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	5.1	1	J	µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	14	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4D collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	515	1		µg/L	0	GE
		Manganese, total recoverable	13	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,140	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	614	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,200	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,330	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	33,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	160	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00048	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	7.7E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Tritium	7.7E+00	1		pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N78402.0 E57308.6	33.292681 °N 81.668190 °W	215.0-195.0 ft msl	285 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/13/94
Depth to water: 76.19 ft (23.22 m) below TOC
Water elevation: 208.81 ft (63.65 m) msl
Sp. conductance: 65 µS/cm
Turbidity: 1.1 NTU
Water evacuated before sampling: 37 gal

Time: 13:44
pH: 5.3
Alkalinity: 1 mg/L
Water temperature: 19.7 °C

Volumes purged: 4.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1	J1	pH	0	GE
		Specific conductance	55	1		µS/cm	0	GE
		Turbidity	0.58	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	97	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	24	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	2,270	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	4,040	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 5D collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	12	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	1,080	1		µg/L	0	GE
		Manganese, total recoverable	335	1		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	5.8	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,270	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,390	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	7,090	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,860	1		µg/L	0	GE
		Sulfate	6,840	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	3.4	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	44,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	9.3	1		µg/L	0	GE
		Total phosphates (as P)	100	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	2.6	1		µg/L	0	GE
		2,4,5-T	<0.00048	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.9E+00	1	J	pCi/L	0	GP
		Gross alpha	3.6E+00	1		pCi/L	0	GP
		Nonvolatile beta	2.9E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	2.9E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.6E+00	1		pCi/L	0	GP
■		Tritium	7.7E+01	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N78740.1 E57524.9	33.293782 °N 81.668277 °W	211.0-191.0 ft msl	277 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/18/94
Depth to water: 71.76 ft (21.87 m) below TOC
Water elevation: 205.24 ft (62.56 m) msl
Sp. conductance: 74 µS/cm
Turbidity: 1.4 NTU
Water evacuated before sampling: 41 gal

Time: 11:03
pH: 6.5
Alkalinity: 14 mg/L
Water temperature: 19.1 °C

Volumes purged: 4.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.5	1				
		Specific conductance	65	1	J1	pH	0	GE
		Turbidity	0.26	1		µS/cm	0	GE
		Acetophenone	<10	1		NTU	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	17	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	8,120	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,780	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 6D collected on 04/18/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	156	1	J	µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	30	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	526	1		µg/L	0	GE
		Manganese, total recoverable	22	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	840	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	636	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	9,120	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,020	1		µg/L	0	GE
		Sulfate	1,710	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	44,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	5.1	1	J	µg/L	0	GE
		Total phosphates (as P)	630	1		µg/L	0	GE
		Total phosphates (as P)	580	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	4.3E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	-1.3E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UI	pCi/L	0	GP
		Tritium	7.5E+00	1		pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N78349.3 E58312.8	33.294203 °N 81.665443 °W	214.1-194.1 ft msl	279.2 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/18/94
Depth to water: 74.02 ft (22.56 m) below TOC
Water elevation: 205.18 ft (62.54 m) msl
Sp. conductance: 24 µS/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 51 gal

Time: 11:49
pH: 5.3
Alkalinity: 0 mg/L
Water temperature: 19.3 °C

Volumes purged: 7.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1	J1	pH	0	GE
		Specific conductance	19	1		µS/cm	0	GE
•		Turbidity	0.18	1	J1	NTU	0	GE
		Acetophenone	<1.0	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	25	1	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	6.7	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	440	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,860	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 7D collected on 04/18/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	45	1		µg/L	0	GE
		Lead, total recoverable	3.6	1	J	µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	377	1		µg/L	0	GE
		Manganese, total recoverable	10	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,480	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,560	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	15,000	1		µg/L	0	GE
		Total organic carbon	1,010	1	J	µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	9.3E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1	J	pCi/L	0	GP
		Total activity	9.4E+05	10		pCi/L	0	EM
■		Tritium	9.0E+02	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 8DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77589.6 E58942.5	33.293550 °N 81.662309 °W	203.1-183.1 ft msl	278.2 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/19/94
Depth to water: 73.03 ft (22.26 m) below TOC
Water elevation: 205.17 ft (62.54 m) msl
Sp. conductance: 54 µS/cm
Turbidity: 2.4 NTU
Water evacuated before sampling: 49 gal

Time: 12:50
pH: 5.9
Alkalinity: 10 mg/L
Water temperature: 20.0 °C

Volumes purged: 3.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1	J1	pH	0	GE
		Specific conductance	55	1		µS/cm	0	GE
		Turbidity	1.2	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	85	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	275	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	76,700	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,400	1		µg/L	0	GE
		Chloride	2,530	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	7.2	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 8DR collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	34	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	813	1		µg/L	0	GE
		Manganese, total recoverable	48	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,380	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,660	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,080	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	40,000	1		µg/L	0	GE
		Total organic carbon	1,130	1	J	µg/L	0	GE
		Total organic halogens	14	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	2.1	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.2E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	9.5E-01	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	-7.0E-01	1		pCi/L	0	GP
		Radium, total alpha-emitting	-7.0E-01	1		pCi/L	0	GP
		Total activity	1.0E+06	10		pCi/L	0	EM
■		Tritium	1.0E+03	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76936.0 E59522.1	33.293050 °N 81.659513 °W	232.4-212.4 ft msl	279.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/19/94	Time: 12:01
Depth to water: 52.87 ft (16.11 m) below TOC	pH: 4.9
Water elevation: 226.53 ft (69.05 m) msl	Alkalinity: 0 mg/L
Sp. conductance: 30 µS/cm	Water temperature: 19.1 °C
Turbidity: 0.1 NTU	
Water evacuated before sampling: 87 gal	Volumes purged: 9.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	J1	pH	0	GE
		Specific conductance	24	1		µS/cm	0	GE
		Turbidity	<0.10	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	45	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	5.1	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	799	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,880	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	7.3	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 9D collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	9.6	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	461	1		µg/L	0	GE
		Manganese, total recoverable	3.6	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,360	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	5,750	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,980	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	16,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.7E+00	1		pCi/L	0	GP
		Gross alpha	1.8E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	8.2E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	9.8E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	-2.0E-01	1	UI	pCi/L	0	GP
		Tritium	1.0E+01	1		pCi/mL	1	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 10D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N76183.3 E59765.5	33.291783 °N 81.657410 °W	236.2-216.2 ft msl	276.9 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 04/19/94
Depth to water: 51.57 ft (15.72 m) below TOC
Water elevation: 225.33 ft (68.68 m) msl
Sp. conductance: 39 μ S/cm
Turbidity: 13.6 NTU
Water evacuated before sampling: 3 gal
The well went dry during purging.

Time: 10:30
pH: 6.1
Alkalinity: 4 mg/L
Water temperature: 18.8 °C

Volumes purged: 0.5 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.6	1	J1	pH	0	GE
		Specific conductance	38	1		μ S/cm	0	GE
		Turbidity	19	1		NTU	0	GE
		Acetophenone	<10	1		μ g/L	0	GE
		Aldrin	<0.053	1		μ g/L	0	GE
		Aluminum, total recoverable	159	1		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	GE
		Barium, total recoverable	11	1		μ g/L	0	GE
		Benzene	<1.0	1		μ g/L	0	GE
		Benzene	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	GE
		Calcium, total recoverable	918	1		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Chloride	1,730	1		μ g/L	0	GE
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1		μ g/L	0	GE
		Copper, total recoverable	38	1		μ g/L	0	GE
		Cyanide	<5.0	1		μ g/L	0	GE
		p,p'-DDT	<0.11	1		μ g/L	0	GE
		Dibromochloromethane	<1.0	1		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 10D collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.53	1		µg/L	0	GE
		Endrin	<0.0063	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.053	1		µg/L	0	GE
		Iron, total recoverable	281	1		µg/L	1	GE
		Lead, total recoverable	30	1		µg/L	1	GE
		Lindane	<0.0053	1		µg/L	0	GE
		Magnesium, total recoverable	715	1		µg/L	0	GE
		Manganese, total recoverable	59	1		µg/L	2	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.53	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	5.1	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,550	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,560	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	633	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,700	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,450	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	24,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	100	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 10D collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00048	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.1E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	2.0E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	-2.0E-01	1	UI	pCi/L	0	GP
		Tritium	9.9E+00	1		pCi/mL	0	GP

WELL BGX 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75300.7	33.289530 °N	236.7-216.7 ft msl	276.3 ft msl	4" PVC	S	Water Table (IIB ₂)
E59581.4	81.656180 °W					

FIELD MEASUREMENTS

Sample date: 04/19/94
Depth to water: 41.03 ft (12.51 m) below TOC
Water elevation: 235.27 ft (71.71 m) msl
Sp. conductance: 44 µS/cm
Turbidity: 69.4 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 10:05
pH: 5.1
Alkalinity: 0 mg/L
Water temperature: 18.4 °C
Volumes purged: 0.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1	J1	pH	0	GE
		Specific conductance	37	1		µS/cm	0	GE
		Turbidity	205	10		NTU	0	GE
		Acetophenone	<9.9	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	1,130	1		µg/L	2	GE
		Aluminum, total recoverable	1,460	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	19	1		µg/L	0	GE
		Barium, total recoverable	22	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	2,590	1		µg/L	0	GE
		Calcium, total recoverable	2,590	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 11D collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,150	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	7.9	1		µg/L	0	GE
		Copper, total recoverable	7.9	1	J3	µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	623	1		µg/L	2	GE
		Iron, total recoverable	828	1		µg/L	2	GE
		Lead, total recoverable	7.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	752	1		µg/L	0	GE
		Magnesium, total recoverable	758	1		µg/L	0	GE
		Manganese, total recoverable	2.7	1	J	µg/L	0	GE
		Manganese, total recoverable	3.0	1	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<9.9	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,970	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	8,350	1		µg/L	0	GE
		Silica, total recoverable	9,120	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	2,550	1		µg/L	0	GE
		Sodium, total recoverable	2,550	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 11D collected on 04/19/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	30,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	360	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	4.4E+00	1		pCi/L	0	GP
		Nonvolatile beta	8.6E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
■		Tritium	2.1E+01	1		pCi/mL	2	GP

WELL BGX 12C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74427.9 E59675.3	33.287753 °N 81.654237 °W	184.1-174.1 ft msl	275.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/13/94
Depth to water: 40.48 ft (12.34 m) below TOC
Water elevation: 234.62 ft (71.51 m) msl
Sp. conductance: 39 µS/cm
Turbidity: 0.9 NTU
Water evacuated before sampling: 107 gal

Time: 13:03
pH: 5.7
Alkalinity: 7 mg/L
Water temperature: 19.5 °C

Volumes purged: 2.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1	J1	pH	0	GE
		Specific conductance	30	1		µS/cm	0	GE
		Turbidity	0.38	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	8.9	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 12C collected on 04/13/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	1,090	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,470	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	23	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	341	1		µg/L	0	GE
		Manganese, total recoverable	16	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	130	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	552	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	12,400	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	3,760	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	23,000	1		µg/L	0	GE
		Total dissolved solids	27,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	6.1	1	J	µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 12C collected on 04/13/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total phosphates (as P)	110	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.5E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	7.2E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Tritium	5.4E-02	1	UI	pCi/mL	0	GP

WELL BGX 12D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N74410.9	33.287714 °N	243.7-223.7 ft msl	275.2 ft msl	4" PVC	S	Water Table (IIB ₂)
E59674.3	81.654207 °W					

FIELD MEASUREMENTS

Sample date: 04/14/94
Depth to water: 36.18 ft (11.03 m) below TOC
Water elevation: 239.02 ft (72.85 m) msl
Sp. conductance: 24 µS/cm
Turbidity: 17.4 NTU
Water evacuated before sampling: 9 gal
The well went dry during purging.

Time: 10:31
pH: 5.2
Alkalinity: 0 mg/L
Water temperature: 19.2 °C
Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.6	1	J1	pH	0	GE
		Specific conductance	17	1		µS/cm	0	GE
		Turbidity	20	1		NTU	0	GE
		Acetophenone	<11	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	68	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	17	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	493	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 12D collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	1,800	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	14	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	183	1		µg/L	1	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	509	1		µg/L	0	GE
		Manganese, total recoverable	11	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<11	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	80	1	J	µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	552	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 12D collected on 04/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silica, total recoverable	5,220	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,210	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	20,000	1	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	7.1E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J	pCi/L	0	GP
■		Tritium	2.0E+01	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75257.6 E53897.6	33.280161 °N 81.671063 °W	229.9-209.9 ft msl	266 ft msl	4" PVC	S	Water Table

FIELD MEASUREMENTS

Sample date: 04/27/94
Depth to water: 41.89 ft (12.77 m) below TOC
Water elevation: 224.11 ft (68.31 m) msl
Sp. conductance: 81 μ S/cm
Turbidity: 27.9 NTU
Water evacuated before sampling: 5 gal
The well went dry during purging.

Time: 10:05
pH: 5.8
Alkalinity: 23 mg/L
Water temperature: 18.9 °C

Volumes purged: 0.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	J	pH	0	WA
		Specific conductance	106	1		μ S/cm	0	WA
		Specific conductance	106	1		μ S/cm	0	WA
		Turbidity	16	1		NTU	0	GE
		Acetophenone	<10	1		μ g/L	0	GE
		Aluminum, total recoverable	737	1		μ g/L	2	WA
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	WA
		Barium, total recoverable	5.9	1		μ g/L	0	WA
		Benzene	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	WA
		Calcium, total recoverable	6,260	1		μ g/L	0	WA
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Chloride	2,780	1		μ g/L	0	WA
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE
		Chromium, total recoverable	4.3	1		μ g/L	0	WA
		Copper, total recoverable	119	1		μ g/L	0	GE
		Cyanide	<5.0	1		μ g/L	0	GE
		Dibromochloromethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.1		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.2	2.17		μ g/L	0	WA
		1,2-Dichloropropane	<1.0	1		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE
		Endrin	<0.11	1.1		μ g/L	0	WA
		Ethylbenzene	<1.0	1		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 1D collected on 04/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	845	1		µg/L	2	WA
		Lead, total recoverable	16	1		µg/L	0	WA
		Lindane	<0.055	1.1		µg/L	0	WA
		Magnesium, total recoverable	326	1		µg/L	0	WA
		Manganese, total recoverable	17	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.55	1.1		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate as nitrogen	312	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	<500	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	4,270	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,380	1		µg/L	0	WA
		Sulfate	1,720	1		µg/L	0	WA
		Sulfate	1,720	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	63,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	<5.0	1		µg/L	0	WA
		Total phosphates (as P)	55	1		µg/L	0	WA
		Toxaphene	<1.1	1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1	2.17		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.1		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.6E+00	1		pCi/L	0	TM
		Gross alpha	2.4E+00	1		pCi/L	0	TM
		Nonvolatile beta	2.8E+00	1		pCi/L	0	TM
		Nonvolatile beta	2.3E+00	1		pCi/L	0	TM
		Radium-226	4.4E-01	1		pCi/L	0	TM
		Radium-226	2.5E-01	1		pCi/L	0	TM
		Radium-228	8.0E-01	1		pCi/L	0	TM
		Radium-228	3.0E-01	1	UI	pCi/L	0	TM
		Tritium	9.9E+00	1		pCi/mL	0	TM
		Tritium	1.0E+01	1		pCi/mL	1	TM
		Uranium-233/234	3.7E-02	1	UI	pCi/L	0	GP
		Uranium-235	3.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	5.0E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75103.5 E53918.9	33.279855 °N 81.670708 °W	224.4-204.4 ft msl	261.6 ft msl	4" PVC	S	Water Table

FIELD MEASUREMENTS

Sample date: 04/27/94
Depth to water: 38.07 ft (11.60 m) below TOC
Water elevation: 223.53 ft (68.13 m) msl
Sp. conductance: 146 μ S/cm
Turbidity: 48.8 NTU
Water evacuated before sampling: 12 gal
The well went dry during purging.

Time: 9:31
pH: 6.5
Alkalinity: 38 mg/L
Water temperature: 20.3 °C

Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.5	1	J	pH	0	WA
		Specific conductance	124	1		μ S/cm	0	WA
		Turbidity	19	1		NTU	0	GE
		Acetophenone	<10	1		μ g/L	0	GE
		Aluminum, total recoverable	555	1		μ g/L	2	WA
		Antimony, total recoverable	<2.0	1		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1		μ g/L	0	WA
		Barium, total recoverable	46	1		μ g/L	0	WA
		Benzene	<1.0	1		μ g/L	0	GE
		Bromodichloromethane	<1.0	1		μ g/L	0	GE
		Bromoform	<1.0	1		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1		μ g/L	0	WA
		Calcium, total recoverable	14,100	1		μ g/L	0	WA
		Carbon tetrachloride	<1.0	1		μ g/L	0	GE
		Chloride	2,770	1		μ g/L	0	WA
		Chlorobenzene	<1.0	1		μ g/L	0	GE
		Chloroethane	<1.0	1		μ g/L	0	GE
		Chloroethane (Vinyl chloride)	<1.0	1		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		μ g/L	0	GE
		Chloroform	<1.0	1		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1		μ g/L	0	WA
		Copper, total recoverable	6.2	1	J	μ g/L	0	GE
		Cyanide	<5.0	1		μ g/L	0	GE
		Dibromochloromethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09		μ g/L	0	WA
		1,2-Dichloropropane	<1.0	1		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		μ g/L	0	GE
		Endrin	<0.11	1.1		μ g/L	0	WA
		Ethylbenzene	<1.0	1		μ g/L	0	GE
		Fluoride	<100	1		μ g/L	0	WA
		Iron, total recoverable	1,370	1		μ g/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 2D collected on 04/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead, total recoverable	8.4	1		µg/L	0	WA
		Lindane	<0.055	1.1		µg/L	0	WA
		Magnesium, total recoverable	714	1		µg/L	0	WA
		Manganese, total recoverable	40	1		µg/L	1	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.55	1.1		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate as nitrogen	745	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	766	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	4,080	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	3,880	1		µg/L	0	WA
		Sulfate	12,100	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	42,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	6.9	1		µg/L	0	WA
		Total phosphates (as P)	65	1		µg/L	0	WA
		Toxaphene	<1.1	1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.09		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	3.9E+00	1		pCi/L	0	TM
		Nonvolatile beta	3.1E+00	1		pCi/L	0	TM
		Radium-226	1.6E+00	1		pCi/L	0	TM
		Radium-228	<5.0E-02	1		pCi/L	0	TM
■		Tritium	2.1E+02	1		pCi/mL	2	TM
		Uranium-233/234	5.8E-02	1	UI	pCi/L	0	GP
		Uranium-235	-1.4E-02	1	UI	pCi/L	0	GP
		Uranium-238	5.8E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74960.5 E53548.0	33.278933 °N 81.671406 °W	225.8-205.8 ft msl	258.2 ft msl	4" PVC	S	Water Table

FIELD MEASUREMENTS

Sample date: 04/27/94	Time: 8:57
Depth to water: 36.92 ft (11.25 m) below TOC	pH: 5.2
Water elevation: 221.28 ft (67.45 m) msl	Alkalinity: 2 mg/L
Sp. conductance: 66 µS/cm	Water temperature: 19.2 °C
Turbidity: 26.0 NTU	
Water evacuated before sampling: 8 gal	Volumes purged: 0.8 well volumes
The well went dry during purging.	

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	J	pH	0	WA
		Specific conductance	52	1		µS/cm	0	WA
		Turbidity	3.3	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aluminum, total recoverable	16,800	1		µg/L	2	WA
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	2.0	1		µg/L	0	WA
		Barium, total recoverable	403	1		µg/L	0	WA
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	1,230	1		µg/L	0	WA
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	3,240	1		µg/L	0	WA
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	41	1		µg/L	0	WA
		Copper, total recoverable	25	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08		µg/L	0	WA
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Endrin	<0.11	1.09		µg/L	0	WA
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	33,200	1		µg/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 3D collected on 04/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
■		Lead, total recoverable	956	20		µg/L	2	WA
		Lindane	<0.055	1.09		µg/L	0	WA
		Magnesium, total recoverable	1,730	1		µg/L	0	WA
		Manganese, total recoverable	391	1		µg/L	2	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.55	1.09		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate as nitrogen	884	2		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	1,270	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	27,600	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	4,830	1		µg/L	0	WA
		Sulfate	10,800	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	2,000	1	3	µg/L	0	WA
		Total dissolved solids	3,000	1	3	µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	8.1	1		µg/L	0	WA
		Total phosphates (as P)	351	1		µg/L	0	WA
		Toxaphene	<1.1	1.09		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	2.1E+00	1		pCi/L	0	TM
		Nonvolatile beta	2.7E+00	1		pCi/L	0	TM
		Radium-226	1.3E+00	1		pCi/L	0	TM
		Radium-228	3.0E-01	1	UI	pCi/L	0	TM
■		Tritium	2.0E+02	1		pCi/mL	2	TM
		Uranium-233/234	8.0E-02	1	J	pCi/L	0	GP
		Uranium-235	8.0E-02	1	J	pCi/L	0	GP
		Uranium-238	8.0E-02	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75537.8 E52876.1	33.279114 °N 81.674297 °W	222.6-202.6 ft msl	291.8 ft msl	4" PVC	S	Water Table

FIELD MEASUREMENTS

Sample date: 04/27/94
Depth to water: 71.83 ft (21.89 m) below TOC
Water elevation: 219.97 ft (67.05 m) msl
Sp. conductance: 54 µS/cm
Turbidity: 31.0 NTU
Water evacuated before sampling: 13 gal
The well went dry during purging.

Time: 10:40
pH: 5.0
Alkalinity: 0 mg/L
Water temperature: 20.5 °C

Volumes purged: 1.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1	J	pH	0	WA
		Specific conductance	50	1		µS/cm	0	WA
		Turbidity	6.5	1		NTU	0	GE
		Turbidity	6.4	1		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aluminum, total recoverable	418	1		µg/L	2	WA
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	11	1		µg/L	0	WA
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	1,140	1		µg/L	0	WA
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	4,190	1		µg/L	0	WA
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	4.1	1		µg/L	0	WA
		Copper, total recoverable	28	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09		µg/L	0	WA
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Endrin	<0.11	1.1		µg/L	0	WA
		Endrin	<0.22	2.2		µg/L	0	WA
		Ethylbenzene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 4D collected on 04/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	758	1		µg/L	2	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.055	1.1		µg/L	0	WA
		Lindane	<0.11	2.2		µg/L	0	WA
		Magnesium, total recoverable	524	1		µg/L	0	WA
		Manganese, total recoverable	14	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<1.1	2.2		µg/L	0	WA
		Methoxychlor	<1.1	2.2		µg/L	0	WA
		Methoxychlor	<0.55	1.1		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate as nitrogen	2,120	5		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	<500	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	5,700	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,890	1		µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	35,000	1		µg/L	0	WA
		Total dissolved solids	36,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	<5.0	1		µg/L	0	WA
		Total phosphates (as P)	64	1		µg/L	0	WA
		Toxaphene	<1.1	1.1		µg/L	0	WA
		Toxaphene	<2.2	2.2		µg/L	0	WA
		Toxaphene	<2.2	2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.09		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	1.5	1	J	µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.0E+00	1		pCi/L	0	TM
		Nonvolatile beta	1.1E+00	1	UI	pCi/L	0	TM
		Radium-226	3.5E-01	1		pCi/L	0	TM
		Radium-228	1.3E+00	1		pCi/L	0	TM
		Tritium	5.9E+00	1		pCi/mL	0	TM
		Uranium-233/234	4.0E-02	1	UI	pCi/L	0	GP
		Uranium-235	-7.1E-03	1	UI	pCi/L	0	GP
		Uranium-238	7.0E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N78731.7 E56973.3	33.292863 °N 81.669714 °W	219.7-199.7 ft msl	264.5 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/20/94
Depth to water: 55.28 ft (16.85 m) below TOC
Water elevation: 209.22 ft (63.77 m) msl
Sp. conductance: 95 µS/cm
Turbidity: 14.7 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 9:32
pH: 6.2
Alkalinity: 28 mg/L
Water temperature: 16.9 °C

Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1	J1	pH	0	GE
•		pH	6.4	1	J1	pH	0	GE
		Specific conductance	82	1		µS/cm	0	GE
		Turbidity	16	1		NTU	0	GE
		Turbidity	16	1		NTU	0	GE
		Acetophenone	<1.0	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	590	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	6.8	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	887	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,100	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	18	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 1D collected on 04/20/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	642	1		µg/L	2	GE
		Lead, total recoverable	9.8	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	202	1		µg/L	0	GE
		Manganese, total recoverable	44	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	5.5	1	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	543	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	4,760	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	16,600	1		µg/L	0	GE
		Sulfate	10,900	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	47,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		2,4,5-T	<0.00045	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	8.8E-01	1	J	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	-3.0E-01	1		pCi/L	0	GP
■		Tritium	3.3E+01	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N79665.8 E57269.7	33.295413 °N 81.670748 °W	210.8-190.8 ft msl	261.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/15/94
Depth to water: 61.29 ft (18.68 m) below TOC
Water elevation: 199.81 ft (60.90 m) msl
Sp. conductance: 72 µS/cm
Turbidity: 0.8 NTU
Water evacuated before sampling: 72 gal

Time: 13:30
pH: 5.8
Alkalinity: 9 mg/L
Water temperature: 19.8 °C

Volumes purged: 12.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	J1	pH	0	GE
		Specific conductance	64	1		µS/cm	0	GE
•		Turbidity	0.32	1	J1	NTU	0	GE
•		Turbidity	0.29	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.050	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	<3.0	1		µg/L	0	GE
		Barium, total recoverable	<3.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	257	1		µg/L	0	GE
		Calcium, total recoverable	257	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,400	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	<4.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 2D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.50	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.050	1		µg/L	0	GE
		Iron, total recoverable	77	1		µg/L	0	GE
		Iron, total recoverable	77	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Magnesium, total recoverable	77	1		µg/L	0	GE
		Magnesium, total recoverable	76	1		µg/L	0	GE
		Manganese, total recoverable	3.9	1		µg/L	0	GE
		Manganese, total recoverable	3.9	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	190	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	5,140	1		µg/L	0	GE
		Silica, total recoverable	5,130	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	10,900	1		µg/L	0	GE
		Sodium, total recoverable	10,900	1		µg/L	0	GE
		Sulfate	10,600	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	41,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	12	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	6.3E-01	1	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 2D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	3.6E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Tritium	1.5E+01	1		pCi/mL	1	GP

WELL HMD 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N79578.7	33.295996 °N	207.7-187.7 ft msl	259.5 ft msl	4" PVC	S	Barnwell (IIB ₁)
E57745.2	81.669327 °W					

FIELD MEASUREMENTS

Sample date: 04/15/94

Depth to water: 60.33 ft (18.39 m) below TOC

Water elevation: 199.17 ft (60.71 m) msl

Sp. conductance: 67 µS/cm

Turbidity: 1.5 NTU

Water evacuated before sampling: 80 gal

Time: 12:53

pH: 5.0

Alkalinity: 0 mg/L

Water temperature: 14.0 °C

Volumes purged: 10.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	J1	pH	0	GE
		Specific conductance	57	1		µS/cm	0	GE
		Specific conductance	57	1		µS/cm	0	GE
•		Turbidity	4.6	1	J1	NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.051	1		µg/L	0	GE
		Aluminum, total recoverable	40	1		µg/L	1	GE
		Aluminum, total recoverable	40	1		µg/L	1	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	8.6	1		µg/L	0	GE
		Barium, total recoverable	8.6	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	935	1		µg/L	0	GE
		Calcium, total recoverable	940	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,870	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	6.8	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 3D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Copper, total recoverable	6.8	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.51	1		µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.051	1		µg/L	0	GE
		Iron, total recoverable	46	1		µg/L	0	GE
		Iron, total recoverable	46	1		µg/L	0	GE
		Lead, total recoverable	<3.0	1		µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Magnesium, total recoverable	587	1		µg/L	0	GE
		Magnesium, total recoverable	585	1		µg/L	0	GE
		Manganese, total recoverable	16	1		µg/L	0	GE
		Manganese, total recoverable	16	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	420	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	516	1	J	µg/L	0	GE
		Potassium, total recoverable	515	1	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Silica, total recoverable	6,550	1		µg/L	0	GE
		Silica, total recoverable	6,560	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	7,340	1		µg/L	0	GE
		Sodium, total recoverable	7,300	1		µg/L	0	GE
		Sulfate	14,200	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Tin, total recoverable	<2.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	46,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 3D collected on 04/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	3.3	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.6E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.0E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1	J	pCi/L	0	GP
		Tritium	1.2E+01	1		pCi/mL	1	GP

WELL HMD 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N79160.4	33.295794 °N	208.9-188.9 ft msl	250.9 ft msl	4" PVC	S	Barnwell (IIB ₁)
E58188.5	81.667346 °W					

FIELD MEASUREMENTS

Sample date: 04/20/94
Depth to water: 51.07 ft (15.57 m) below TOC
Water elevation: 199.83 ft (60.91 m) msl
Sp. conductance: 28 µS/cm
Turbidity: 19.9 NTU
Water evacuated before sampling: 6 gal
The well went dry during purging.

Time: 9:05
pH: 5.7
Alkalinity: 4 mg/L
Water temperature: 18.1 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	J1	pH	0	GE
		Specific conductance	29	1		µS/cm	0	GE
		Turbidity	256	10		NTU	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Aldrin	<0.052	1		µg/L	0	GE
		Aluminum, total recoverable	152	1		µg/L	2	GE
		Antimony, total recoverable	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<2.0	1	J3	µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1		µg/L	0	GE
		Barium, total recoverable	20	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 4D collected on 04/20/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Cadmium, total recoverable	<2.0	1		µg/L	0	GE
		Calcium, total recoverable	999	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Chloride	2,350	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Copper, total recoverable	27	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		p,p'-DDT	<0.10	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		Dieldrin	<0.52	1		µg/L	0	GE
		Endrin	<0.0062	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Fluoride	<100	1		µg/L	0	GE
		Heptachlor	<0.052	1		µg/L	0	GE
		Iron, total recoverable	119	1		µg/L	0	GE
		Lead, total recoverable	14	1		µg/L	0	GE
		Lead, total recoverable	13	1		µg/L	0	GE
		Lindane	<0.0052	1		µg/L	0	GE
		Magnesium, total recoverable	406	1		µg/L	0	GE
		Manganese, total recoverable	26	1		µg/L	1	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Methoxychlor	<0.52	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 4D collected on 04/20/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nitrate-nitrite as nitrogen	440	1		µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Potassium, total recoverable	1,910	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1		µg/L	0	GE
		Selenium, total recoverable	<2.0	1	J3	µg/L	0	GE
		Silica, total recoverable	6,720	1		µg/L	0	GE
		Silver, total recoverable	<2.0	1		µg/L	0	GE
		Sodium, total recoverable	1,270	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tin, total recoverable	3.8	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Total dissolved solids	18,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic halogens	<5.0	1		µg/L	0	GE
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		2,4,5-T	<0.00046	1		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Gross alpha	1.6E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.9E+00	1		pCi/L	0	GP
		Tritium	1.0E+01	1		pCi/mL	1	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73791.9 E58943.4	33.285152 °N 81.654930 °W	71.1-61.1 ft msl	294.4 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 05/04/94	Time: 13:20
Depth to water: 125.81 ft (38.35 m) below TOC	pH: 7.0
Water elevation: 168.59 ft (51.39 m) msl	Alkalinity: 68 mg/L
Sp. conductance: 188 µS/cm	Water temperature: 19.7 °C
Turbidity: 0.4 NTU	
Water evacuated before sampling: 233 gal	Volumes purged: 3.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.0	1	J1	pH	0	GE
		Specific conductance	177	1		µS/cm	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Nitrate as nitrogen	<50	1		µg/L	0	GE
		Gross alpha	2.3E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1	J	pCi/L	0	GP
		Tritium	1.4E-01	1	UI	pCi/mL	0	GP

WELL HSB 85B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73789.3 E58953.3	33.285162 °N 81.654898 °W	143.2-133.2 ft msl	294.5 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 04/29/94	Time: 8:14
Depth to water: 61.18 ft (18.65 m) below TOC	pH: 9.8
Water elevation: 233.32 ft (71.12 m) msl	Alkalinity: 73 mg/L
Sp. conductance: 183 µS/cm	Water temperature: 19.0 °C
Turbidity: 1.4 NTU	
Water evacuated before sampling: 51 gal	Volumes purged: 0.8 well volumes
The well went dry during purging.	

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.9	1	J1	pH	0	GE
		Specific conductance	203	1		µS/cm	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Gross alpha	4.7E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	J	pCi/L	0	GP
		Tritium	3.4E-01	1	UI	pCi/mL	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73802.3 E58947.4	33.285182 °N 81.654939 °W	224.2-214.2 ft msl	294.1 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 05/04/94	Time: 12:48
Depth to water: 55.46 ft (16.90 m) below TOC	pH: 4.7
Water elevation: 238.64 ft (72.74 m) msl	Alkalinity: 0 mg/L
Sp. conductance: 38 µS/cm	Water temperature: 20.0 °C
Turbidity: 0.2 NTU	
Water evacuated before sampling: 99 gal	Volumes purged: 6.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1	J1	pH	0	GE
		Specific conductance	32	1		µS/cm	0	GE
		Mercury, total recoverable	<0.20	1		µg/L	0	GE
		Nitrate as nitrogen	2,060	2		µg/L	0	GE
		Gross alpha	2.5E+00	1	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	J	pCi/L	0	GP
		Tritium	6.7E+00	1		pCi/mL	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix E

Data Quality/Useability Assessment

THIS PAGE LEFT BLANK INTENTIONALLY.

Data Quality/Useability Assessment

Quality assurance/quality control (QA/QC) procedures relating to accuracy and precision of analyses performed on groundwater samples are followed in the field and laboratory and are reviewed prior to publication of results. The review by the Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) of the volume of analytical data acquired each quarter and presented in various reports is an ongoing process; its review of the QA/QC data cannot be completed in time to meet the deadlines for the reports required by the Resource Conservation and Recovery Act and associated regulations. Other site and regulatory personnel can obtain further information on the data quality and useability in a variety of ways, including those described below.

Data Qualification

The contract laboratories continually assess their own accuracy and precision according to U.S. Environmental Protection Agency (EPA) guidelines. They submit sample- or batch-specific QA/QC information either at the same time as analytical results or in quarterly summaries. Properly defined and used result modifiers (also referred to as qualifiers) can be a key component in assessing data useability. Result modifiers designed by EPD/EMS and used by the primary laboratories are presented in Appendix D.

Assessment of Accuracy of the Data

Accuracy, or the nearness of the reported result to the true concentration of a constituent in a sample, can be assessed in several ways.

A laboratory's general accuracy can be judged by analysis of results obtained from known samples. The non-radionuclide contract laboratories analyze commercial reference samples every quarter at EPD/EMS' request. The results of these analyses are presented in the EPD/EMS groundwater monitoring quarterly reports. The primary laboratories also seek or maintain state certification by participating periodically in performance studies; reference samples and analysis of results are provided by EPA. Results of these studies also are published in the EPD/EMS quarterly reports.

Analysis of blanks provides a tool for assessing the accuracy of both sampling and laboratory analysis. Results for all field blanks for the quarter can be found in the EPD/EMS quarterly reports. Any field or laboratory blanks that exceed established minimums are identified in the same reports, in tables associating them with groundwater samples analyzed in the same batches.

Surrogates, organic compounds similar in chemical behavior to the compounds of interest but not normally found in environmental samples, are used to monitor the effect of the matrix on the accuracy of analyses for organic parameters. For example, for analyses of volatile organics by EPA Method 8240, three surrogate compounds are added to all samples and blanks in each analytical batch. In analyses of semivolatile organics, three acid compounds and three base/neutral compounds are used. Two surrogates are used in organochlorine pesticides analyses. Percent recoveries for surrogate analyses are calculated by laboratory personnel, reported to EPD/EMS, reviewed, and entered into the database, but they are not published. If recoveries are not within specified limits, the laboratory is expected to reanalyze the samples or attach qualifiers to the data identifying the anomalous results.

Sample-specific accuracy for both organic and inorganic parameters can be assessed by examination of matrix spike/matrix spike duplicate results. A sample is analyzed unspiked to determine a baseline set of values. A second portion of the sample is spiked with known concentrations of compounds appropriate to the analyses being performed, typically five volatile organic compounds for volatile organics analyses, eleven semivolatile compounds for semivolatiles, six pesticide compounds for pesticides, all metals for metals analyses by SW-846 methods (EPA, 1986), and a known quantity of cyanide for cyanide analysis. The percentage of the spike compound that is recovered (i.e., measured in excess of the value obtained for the unspiked sample) is a direct measure of analytical accuracy. EPA requires matrix spike/matrix spike duplicates to be run at least once per 20 samples of similar matrix.

Matrix spike/matrix spike duplicate results are reported to EPD/EMS but are not published. For organic compounds, according to EPA guidelines, no action is taken on the basis of matrix spike/matrix spike duplicate data alone (i.e., no result modifiers are assigned solely on the basis of matrix spike results); however, the results can indicate if a laboratory is having a systematic problem in the analysis of one or more analytes.

In the case of inorganic compounds, such as metals, the matrix spike sample analysis provides information about the effect of each sample matrix on the digestion and measurement methodology. Data qualifiers assigned by the laboratories on the basis of the percentage of spike recovery are reported in the published results tables.

Assessment of Precision

Precision of the analyses, or agreement of a set of replicate results among themselves, is assessed through the use of duplicates initiated by the laboratory and blind replicates (provided by EPD/EMS). The results of duplicate and replicate analyses are presented in the results tables of these reports for the first, second, and third quarters of each year. Duplicate and replicate results are not presented in fourth-quarter reports; the results tables present instead only the highest result for each analyte for each quarter of the year.

The laboratories assess precision by calculating the relative percent difference, or RPD, for each pair of laboratory-initiated duplicate results. One of the contract laboratories uses a data qualifier (J3) to modify metals analyses when the RPD for laboratory duplicates is greater than 20%.

Additional statistical comparisons of laboratory duplicate and blind replicate results, both intra- and interlaboratory, are presented in the EPD/EMS quarterly reports. The calculation used for these reports is the MRD, or mean relative difference, which is similar to EPA's RPD except that the MRD provides a single value for all of the analyses of a particular compound, either intra- or interlaboratory, during one quarter. Because detection limits may vary among samples, the MRD requires calculation of a reference detection limit, which is the detection limit at the 90th percentile of the array of limits in the population of all duplicate and replicate analyses for a given analyte during a particular quarter. The MRD is not method-specific.

Method-Specific Accuracy and Precision

The contract laboratories' EPA-approved laboratory procedures include QA/QC requirements as an integral part of the methods. Thus, knowledge of the method used in obtaining data is an important component of determining data useability. EPA has conducted extensive research and development on the methods approved for the analysis of water and waste water; information on the accuracy and precision of a method is available from EPA publications, as is full information on required QA/QC procedures. A listing of the methods used by the primary laboratories during

fourth quarter 1993 is given below along with the source for the method description. Many, if not all, of these sources include presentations of representative accuracy and precision results.

Methods Used by the Contract Laboratories

<u>Method</u>	<u>Used to Analyze</u>	<u>Source</u>
EPA120.1	Specific conductance	EPA EMSL 1983
EPA150.1	pH	EPA EMSL 1983
EPA160.1	Total dissolved solids	EPA EMSL 1983
EPA160.2	Total dissolved solids, total suspended solids	EPA EMSL 1983
EPA180.1	Turbidity	EPA EMSL 1983
EPA200.7	Metals	EPA EMSL 1983
EPA204.2	Antimony	EPA EMSL 1983
EPA206.2	Arsenic	EPA EMSL 1983
EPA239.2	Lead	EPA EMSL 1983
EPA245.1	Mercury	EPA EMSL 1983
EPA270.2	Selenium	EPA EMSL 1983
EPA279.2	Thallium	EPA EMSL 1983
EPA300.0	Chloride, nitrite, sulfate	EPA EMSL 1991
EPA310.1	Alkalinity	EPA EMSL 1983
EPA325.2	Chloride	EPA EMSL 1983
EPA335.3	Cyanide	EPA EMSL 1983
EPA340.2	Fluoride	EPA EMSL 1983
EPA353.1	Nitrogen, nitrate-nitrite	EPA EMSL 1983
EPA353.2	Nitrogen, nitrate, nitrite, or combined	EPA EMSL 1983
EPA365.1	Phosphorus, all forms (reported as total phosphates)	EPA EMSL 1983
EPA365.2	Phosphorus, all forms (reported as total phosphates)	EPA EMSL 1983
EPA376.2	Sulfide	EPA EMSL 1983
EPA413.1	Oil & grease	EPA EMSL 1983
EPA415.1	Dissolved organic carbon, total inorganic carbon, total organic carbon	EPA EMSL 1983
EPA418.1	Total petroleum hydrocarbons	EPA EMSL 1983
EPA420.2	Phenols	EPA EMSL 1983
EPA900.0	Gross alpha, nonvolatile beta	EPA EMSL 1980
EPA900.1	Total alpha-emitting radium	EPA EMSL 1980
EPA906.0	Tritium	EPA EMSL 1980
EPA6010	Metals	EPA 1986
EPA7041	Antimony	EPA 1986
EPA7060	Arsenic	EPA 1986
EPA7421	Lead	EPA 1986
EPA7470	Mercury	EPA 1986
EPA7740	Selenium	EPA 1986
EPA7841	Thallium	EPA 1986
EPA8010	Chlorinated volatile organics	EPA 1986
EPA8080	Organochlorine pesticides and PCBs	EPA 1986
EPA8150	Chlorinated herbicides	EPA 1986
EPA8240	GCMS volatiles	EPA 1986
EPA8270	GCMS semivolatiles	EPA 1986
EPA8280	Dioxins and furans	EPA 1986
EPA9012	Cyanide	EPA 1986
EPA9020	Total organic halogens	EPA 1986
EPA9020A	Total organic halogens	EPA 1986
EPA9030	Sulfide	EPA 1986
EPA9060	Dissolved organic carbon, total inorganic carbon, total organic carbon	EPA 1986

An example of available method-specific QA/QC information is that for the analysis of metals by EPA Method 6010/200.7 (EPA, 1986/EPA EMSL, 1983). The primary laboratories, General Engineering Laboratories (GE) and Roy F. Weston, Inc. (Weston), use this inductively coupled plasma (ICP) atomic emission spectrometric method.

The following precision and accuracy data are based on the experience of seven laboratories that applied the ICP technique to acid-distilled water matrices that had been spiked with various metal concentrates. (Note: Not all seven laboratories analyzed all 14 elements.) The references give results for samples having three concentration ranges; the results here are for samples having the lowest values, similar to actual groundwater results for SRS.

ICP Precision and Accuracy Data

<u>Element</u>	<u>True value (µg/L)</u>	<u>Mean reported value (µg/L)</u>	<u>Mean percent RSD^a</u>
Aluminum	60	62	33
Arsenic	22	19	23
Beryllium	20	20	9.8
Cadmium	2.5	2.9	16
Chromium	10	10	18
Cobalt	20	20	4.1
Copper	11	11	40
Iron	20	19	15
Lead	24	30	32
Manganese	15	15	6.7
Nickel	30	28	11
Selenium	6	8.5	42
Vanadium	70	69	2.9
Zinc	16	19	45

^a Relative standard deviation. In EPA (1986), the column heading is Mean Standard Deviation (%).

As another example, EPA Method 601/8010 (EPA, 1991/EPA, 1986) is used by both GE and Weston for analyses of halogenated volatile organics. In the presentation of the method in both references, the following table gives method-specific accuracy and precision as functions of concentration. Contract laboratories are expected to achieve or at least approach these limits.

Accuracy and Precision as Functions of Concentration for EPA Method 601/8010

<u>Parameter</u>	<u>Accuracy as recovery, \bar{X}^a (µg/L)</u>	<u>Single analyst precision (µg/L)^b</u>	<u>Overall precision (µg/L)^c</u>
Bromodichloromethane	1.12C-1.02 ^d	0.11 \bar{X} +0.04 ^e	0.20 \bar{X} +1.00
Bromoform	0.96C-2.05	0.12 \bar{X} +0.58	0.21 \bar{X} +2.41
Bromomethane	0.76C-1.27	0.28 \bar{X} +0.27	0.36 \bar{X} +0.94
Carbon tetrachloride	0.98C-1.04	0.15 \bar{X} +0.38	0.20 \bar{X} +0.39
Chlorobenzene	1.00C-1.23	0.15 \bar{X} -0.02	0.18 \bar{X} +1.21
Chloroethane	0.99C-1.53	0.14 \bar{X} -0.13	0.17 \bar{X} +0.63
2-Chloroethyl vinyl ether ^f	1.00C	0.20 \bar{X}	0.35 \bar{X}
Chloroform	0.93C-0.39	0.13 \bar{X} +0.15	0.19 \bar{X} -0.02
Chloromethane	0.77C+0.18	0.28 \bar{X} -0.31	0.52 \bar{X} +1.31
Dibromochloromethane	0.94C+2.72	0.11 \bar{X} +1.10	0.24 \bar{X} +1.68
1,2-Dichlorobenzene	0.93C+1.70	0.20 \bar{X} +0.97	0.13 \bar{X} +6.13
1,3-Dichlorobenzene	0.95C+0.43	0.14 \bar{X} +2.33	0.26 \bar{X} +2.34
1,4-Dichlorobenzene	0.93C-0.09	0.15 \bar{X} +0.29	0.20 \bar{X} +0.41

<u>Parameter</u>	<u>Accuracy as recovery, X' ($\mu\text{g/L}$)</u>	<u>Single analyst precision ($\mu\text{g/L}$)</u>	<u>Overall precision ($\mu\text{g/L}$)</u>
1,1-Dichloroethane	0.95C-1.08	0.09 \bar{X} +0.17	0.14 \bar{X} +0.94
1,2-Dichloroethane	1.04C-1.06	0.11 \bar{X} +0.70	0.15 \bar{X} +0.94
1,1-Dichloroethene	0.98C-0.87	0.21 \bar{X} -0.23	0.29 \bar{X} -0.40
trans-1,2-Dichloroethene	0.97C-0.16	0.11 \bar{X} +1.46	0.17 \bar{X} +1.46
Dichloromethane (Methylene chloride)	0.91C-0.93	0.11 \bar{X} +0.33	0.21 \bar{X} +1.43
1,2-Dichloropropane ^f	1.00C	0.13 \bar{X}	0.23 \bar{X}
cis-1,3-Dichloropropene ^f	1.00C	0.18 \bar{X}	0.32 \bar{X}
trans-1,3-Dichloropropene ^f	1.00C	0.18 \bar{X}	0.32 \bar{X}
1,1,2,2-Tetrachloroethane	0.95C+0.19	0.14 \bar{X} +2.41	0.23 \bar{X} +2.79
Tetrachloroethylene	0.94C+0.06	0.14 \bar{X} +0.38	0.18 \bar{X} +2.21
1,1,1-Trichloroethane	0.90C-0.16	0.15 \bar{X} +0.04	0.20 \bar{X} +0.37
1,1,2-Trichloroethane	0.86C+0.30	0.13 \bar{X} -0.14	0.19 \bar{X} +0.67
Trichloroethylene	0.87C+0.48	0.13 \bar{X} -0.03	0.23 \bar{X} +0.30
Trichlorofluoromethane	0.89C-0.07	0.15 \bar{X} +0.67	0.26 \bar{X} +0.91
Vinyl chloride	0.97C-0.36	0.13 \bar{X} +0.65	0.27 \bar{X} +0.40

- a X' = expected recovery for one or more measurements of a sample containing a concentration of C, in $\mu\text{g/L}$.
b Expected single analyst standard deviation of measurements.
c Expected interlaboratory standard deviation of measurements.
d C = true value for the concentration, in $\mu\text{g/L}$.
e \bar{X} = average recovery found for measurements of samples containing a concentration of C, in $\mu\text{g/L}$.
f Estimates based on performance of a single laboratory.

References

- EPA (U.S. Environmental Protection Agency), 1986. **Test Methods for Evaluating Solid Waste (SW-846)**, Volumes IA-IC. Washington, DC.
- EPA (U.S. Environmental Protection Agency), 1991. *Guidelines Establishing Test Procedures for the Analysis of Pollutants*, **Code of Federal Regulations**, Title 40, Part 136, Appendix A. Washington, DC.
- EPA EMSL (U.S. Environmental Protection Agency, Environmental Monitoring and Systems Laboratory), 1980. **Prescribed Procedures for Measurement of Radioactivity in Drinking Water**, EPA-600/4-80-032. Cincinnati, OH.
- EPA EMSL (U.S. Environmental Protection Agency, Environmental Monitoring and Systems Laboratory), 1983. **Methods for Chemical Analysis of Water and Wastes**. Cincinnati, OH.
- EPA EMSL (U.S. Environmental Protection Agency, Environmental Monitoring and Systems Laboratory), 1991. **Test Method, The Determination of Inorganic Anions in Water by Ion Chromatography—Method 300.0**. Cincinnati, OH.

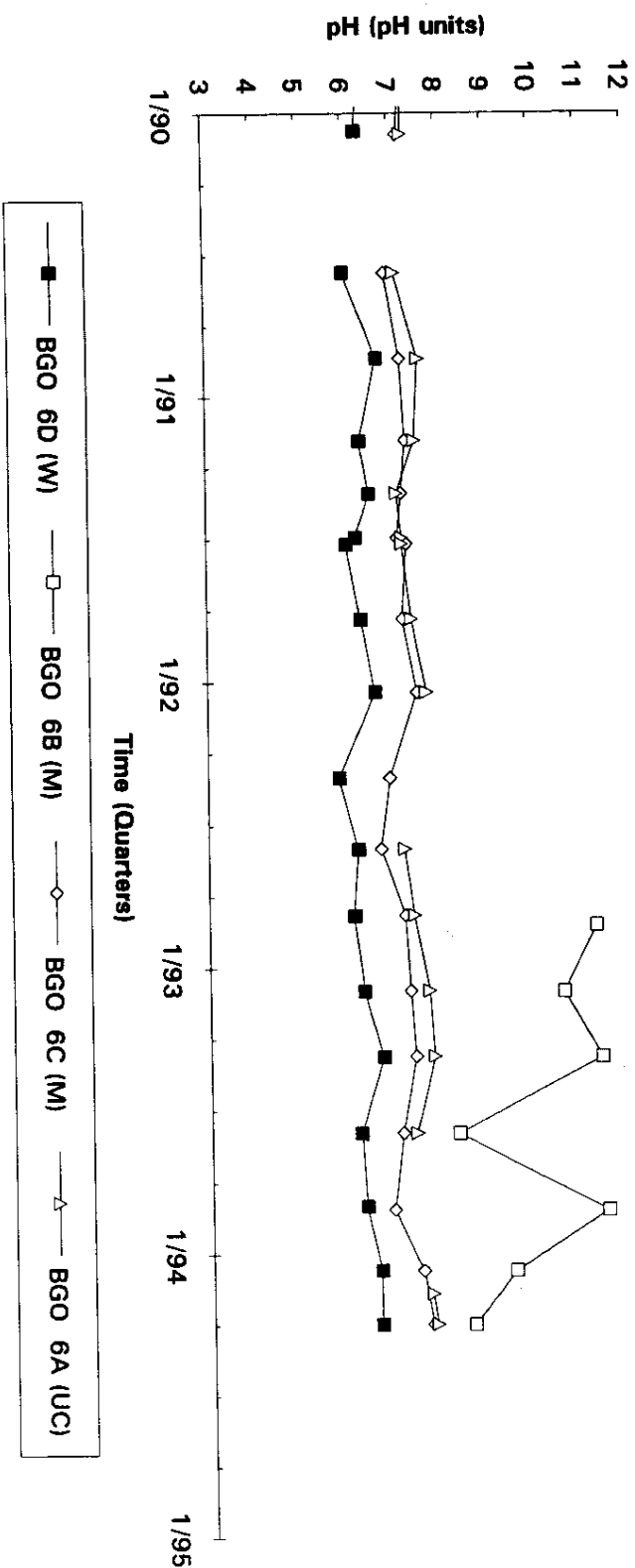
THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix F

Time Series Plots

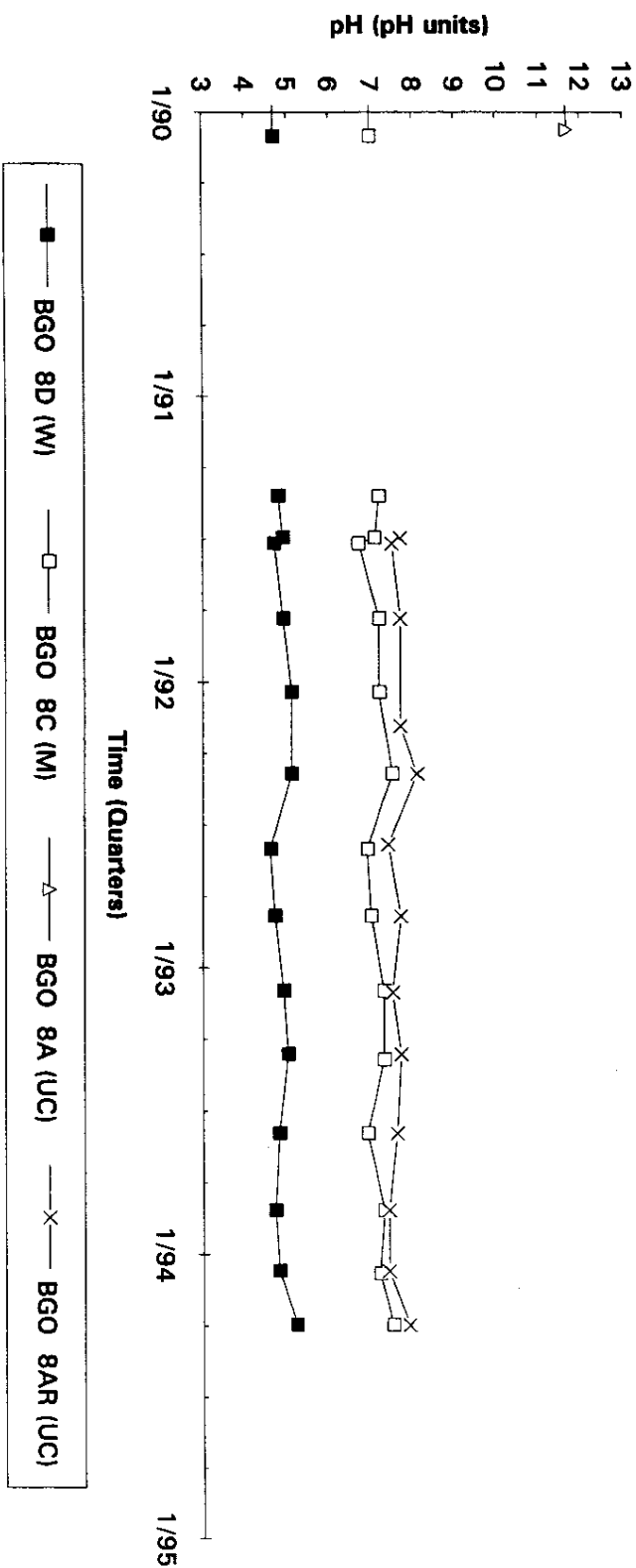
THIS PAGE LEFT BLANK INTENTIONALLY.

pH Well Cluster BGO 6



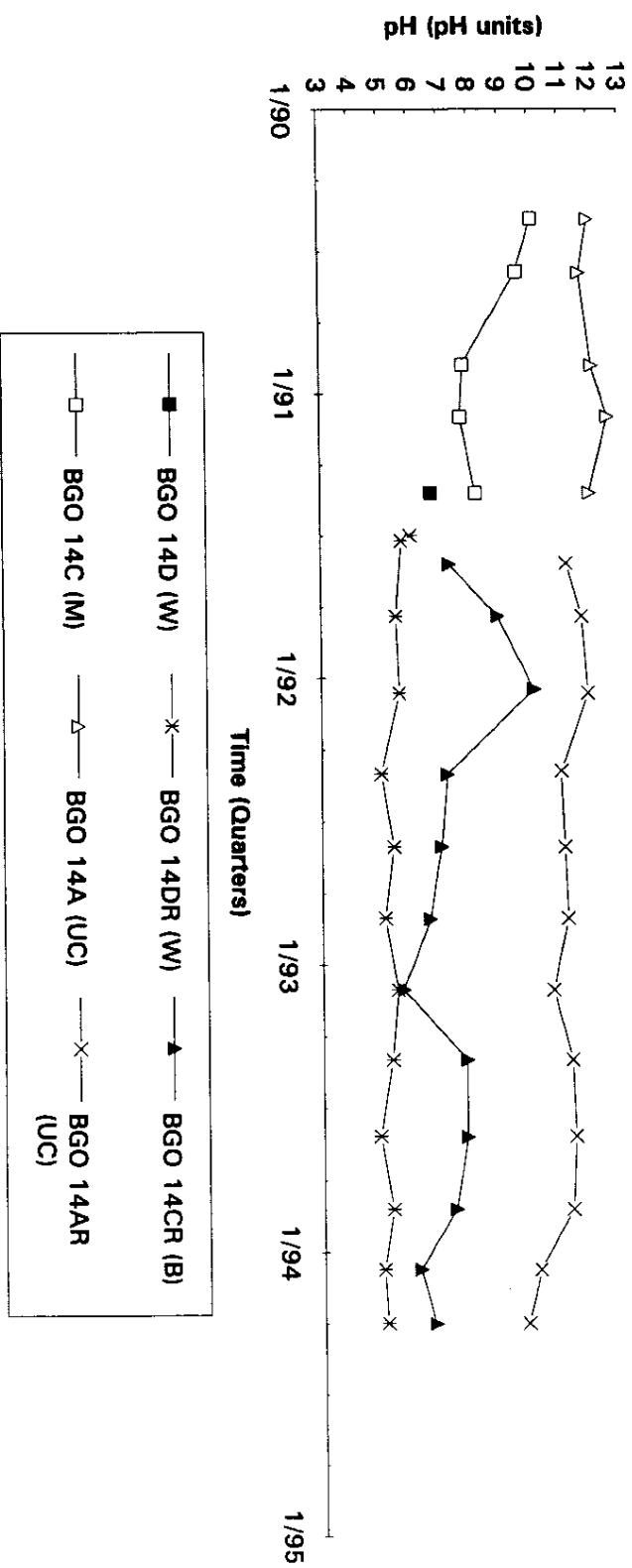
Note: W=Water Table (IB2); M=McBean (IB1); B=Barnwell (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

pH Well Cluster BGO 8



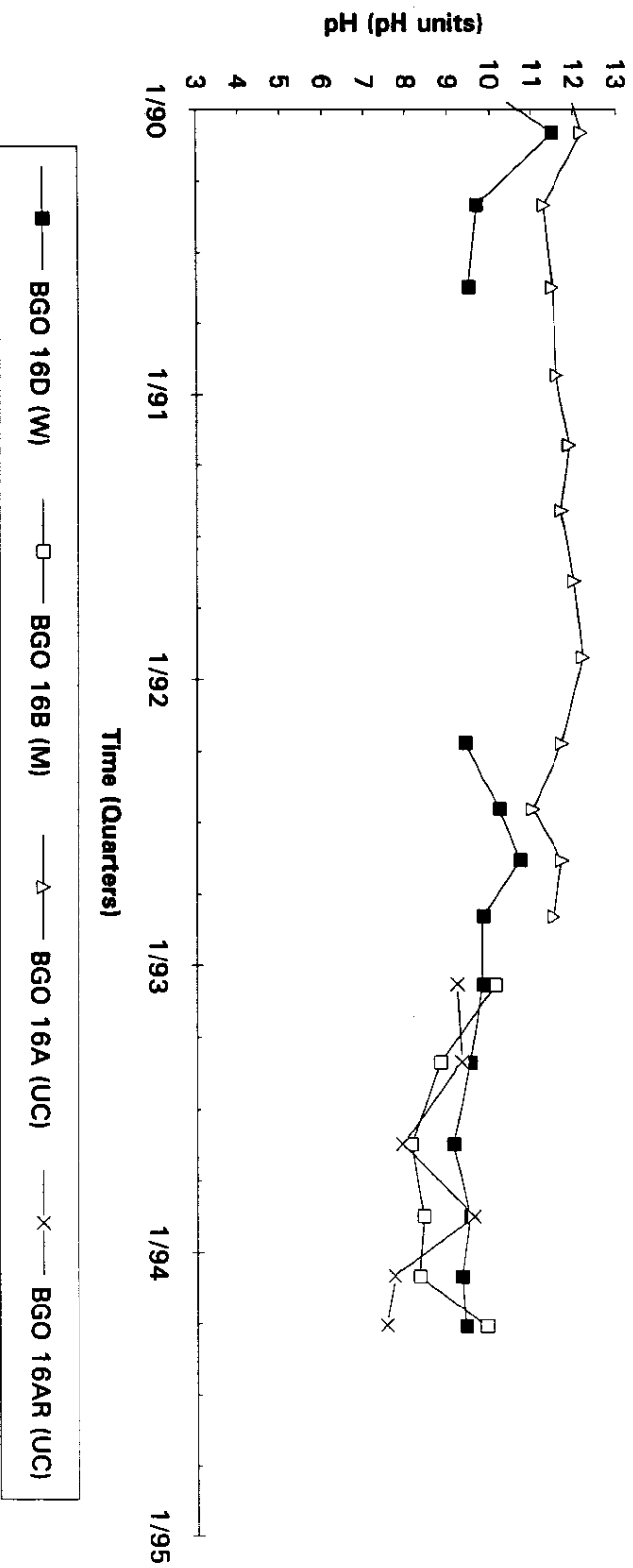
Note: W=Water Table (IIB2); M=McBean (IIB1); B=Barnwell (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

pH Well Cluster BGO 14



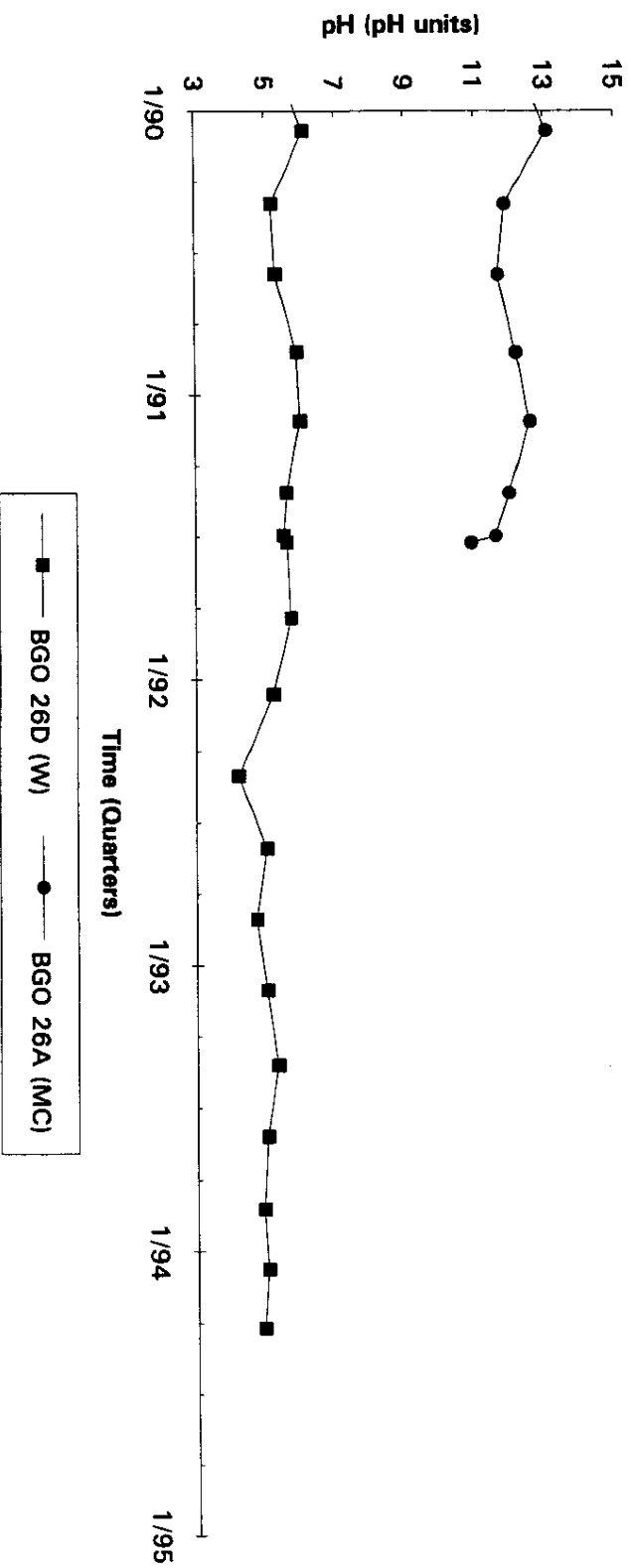
Note: W=Water Table (IIB2); M=McBean (IIB1); B=Barwell (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

pH Well Cluster BGO 16



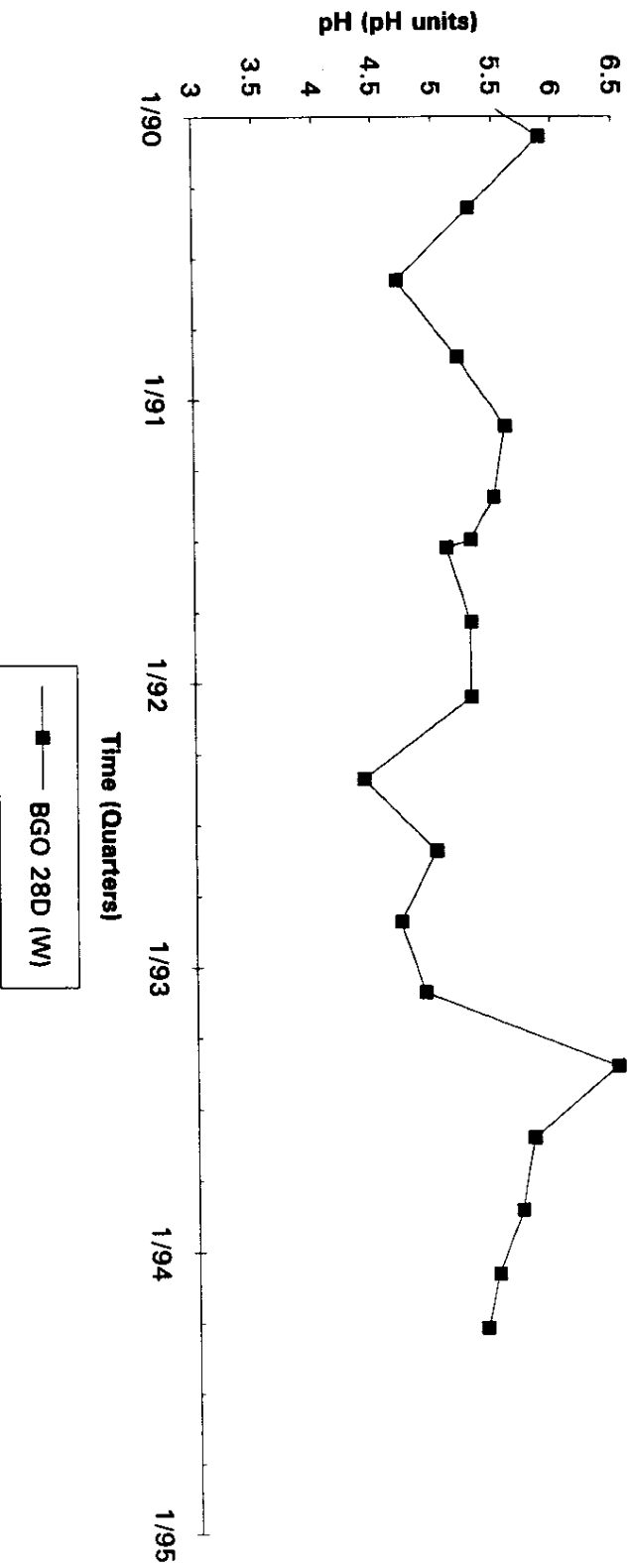
Note: W=Water Table (11B2); M=McBean (11B1); B=Barnwell (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

pH Well Cluster BGO 26



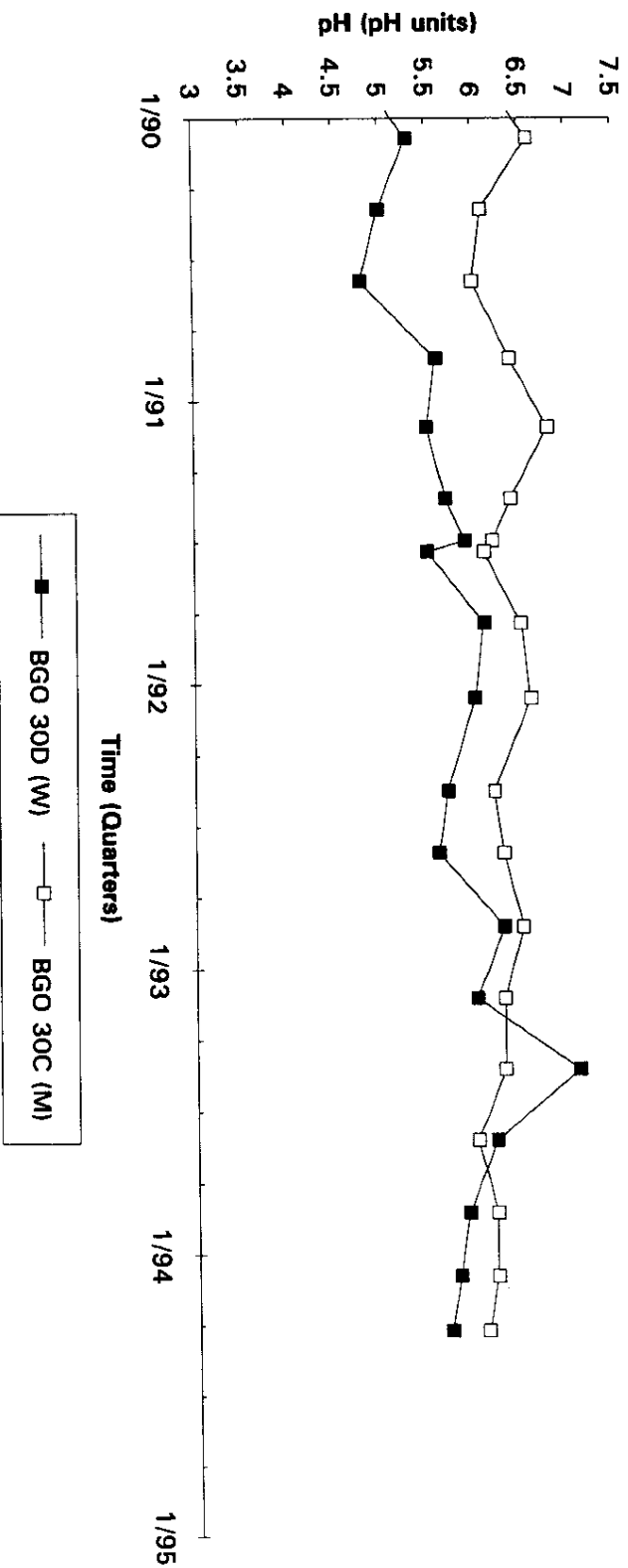
Note: W=Water Table (IIB2); M=McBean (IIB1); B=Barwell (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

pH Well BGO 28D



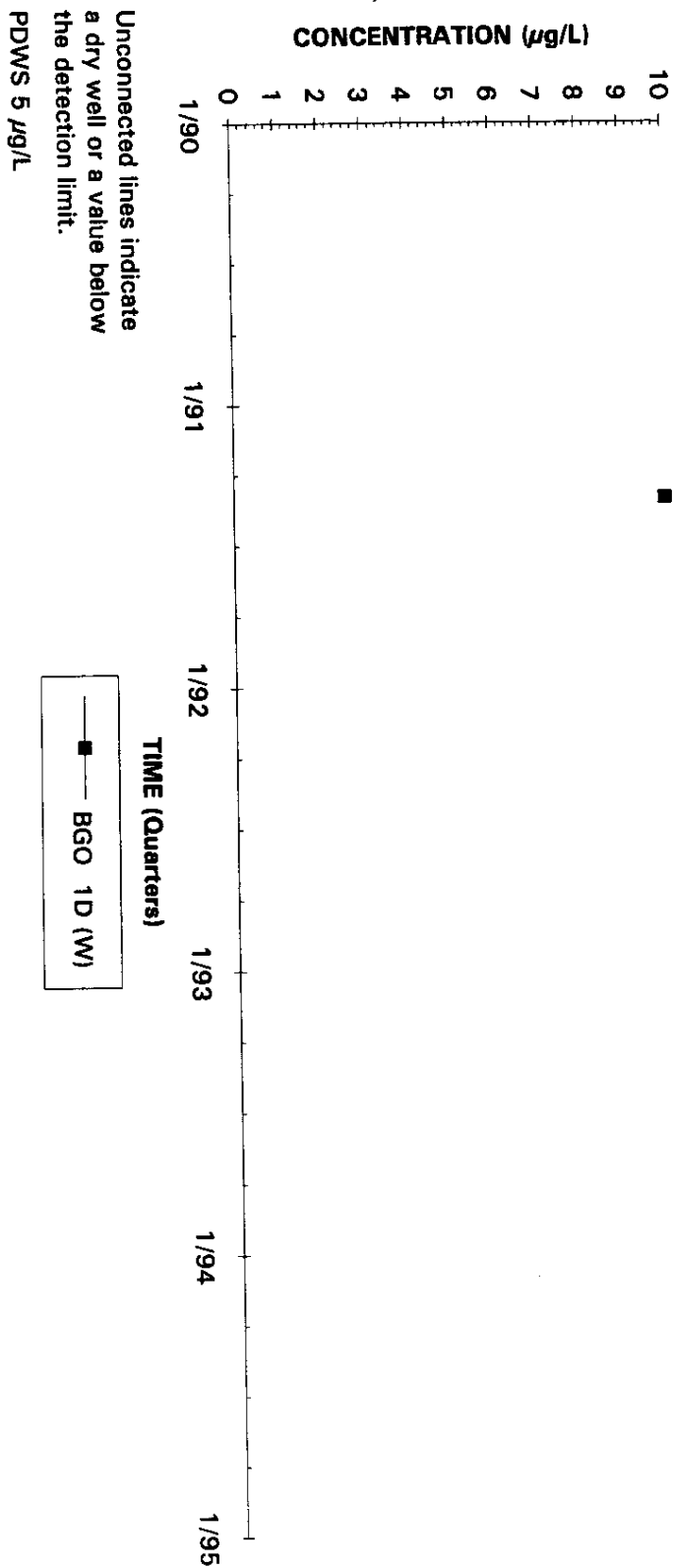
Note: W=Water Table (IIB2); M=McBean (IIB1); B=Barnwell (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

pH Well Cluster BGO 30



Note: W=Water Table (IIB2); M=McBean (IIB1); B=Barnwell (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 1D

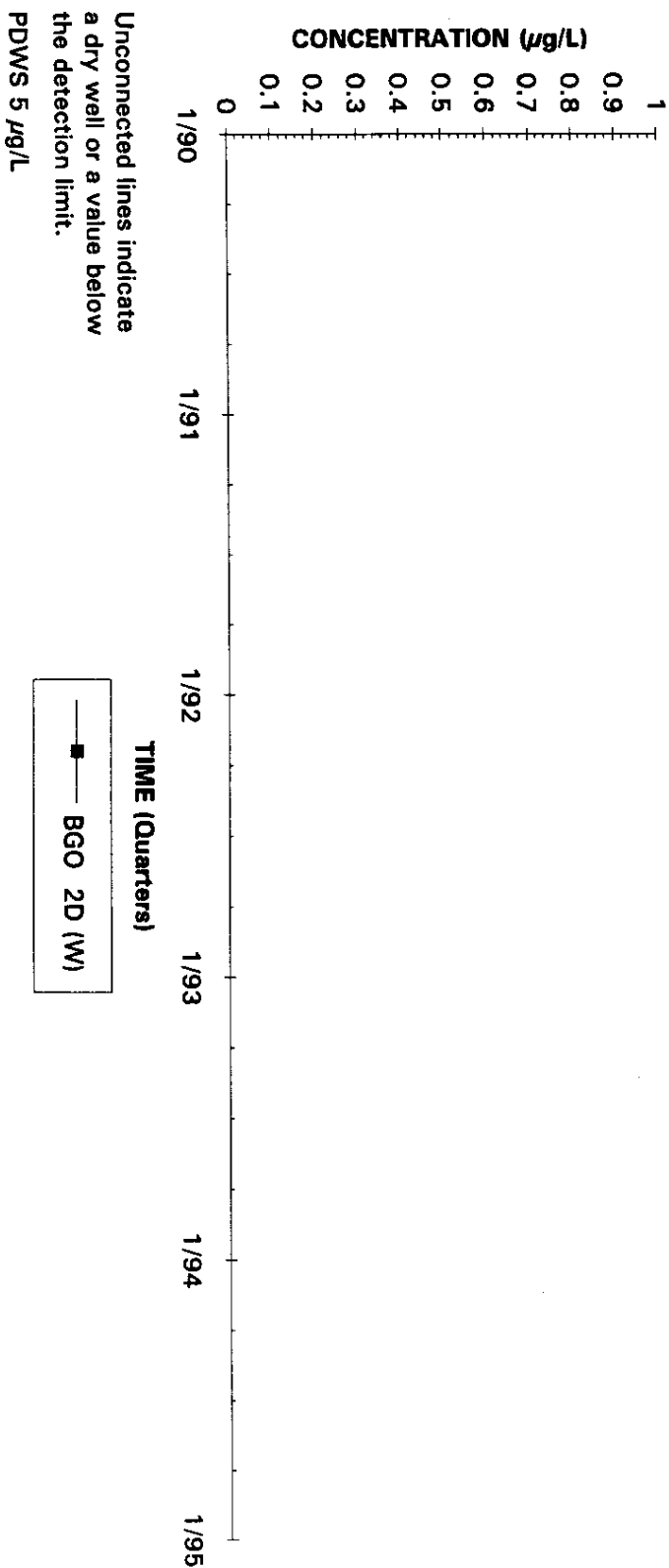


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

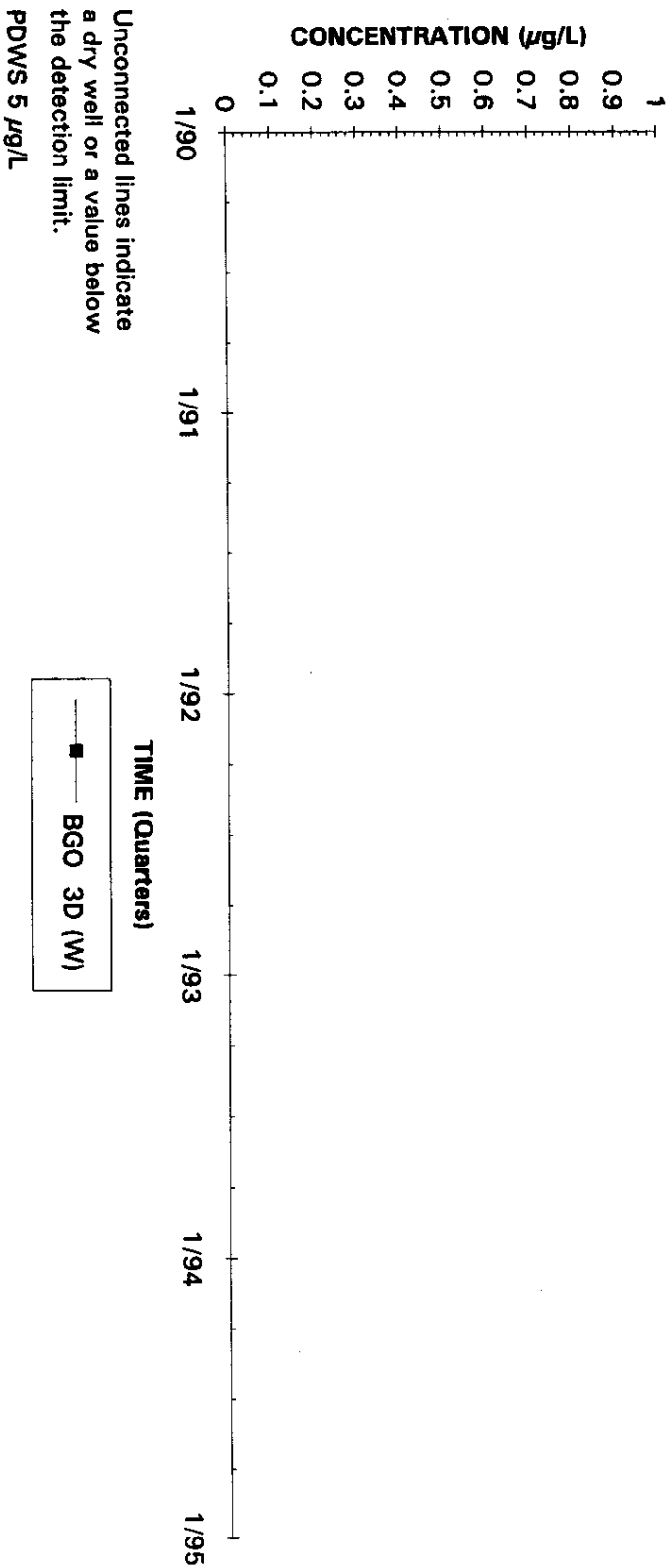
Second Quarter 1994

Trichloroethylene Concentrations Well BGO 2D



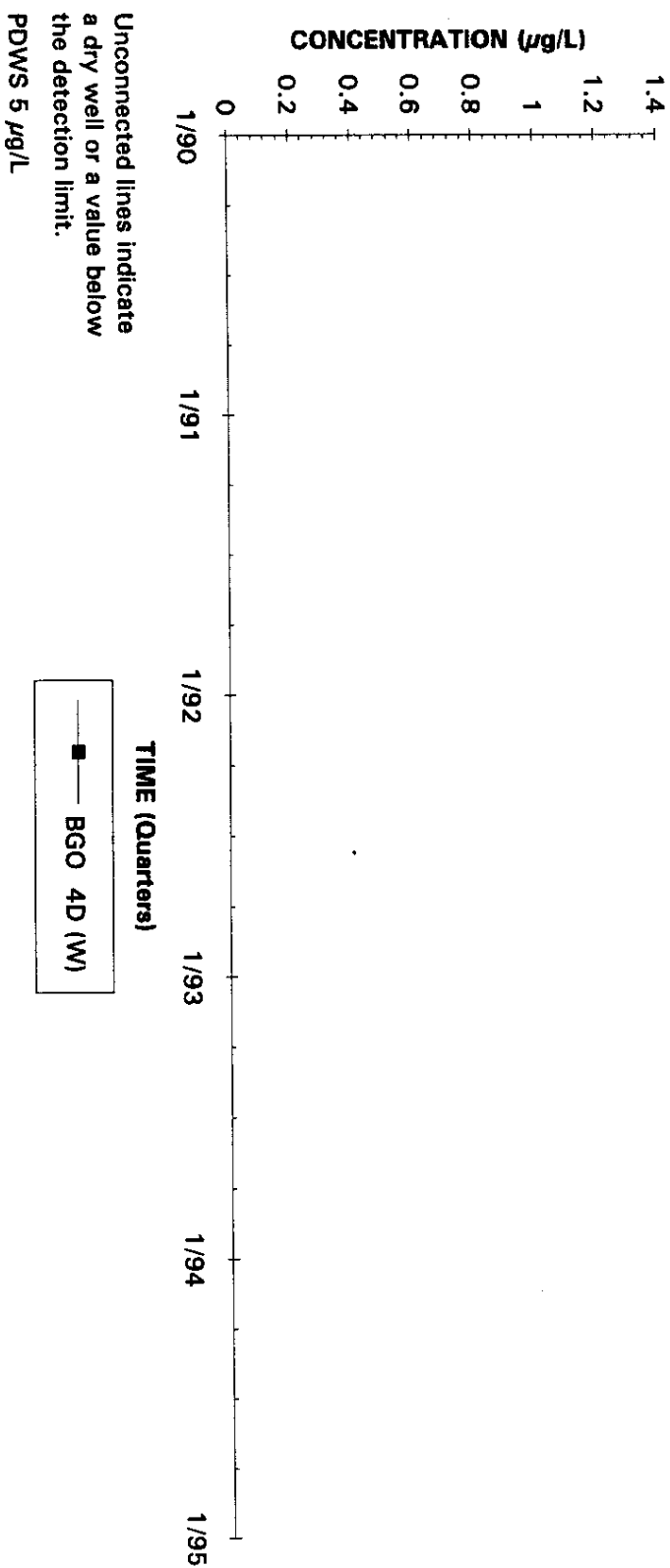
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 3D



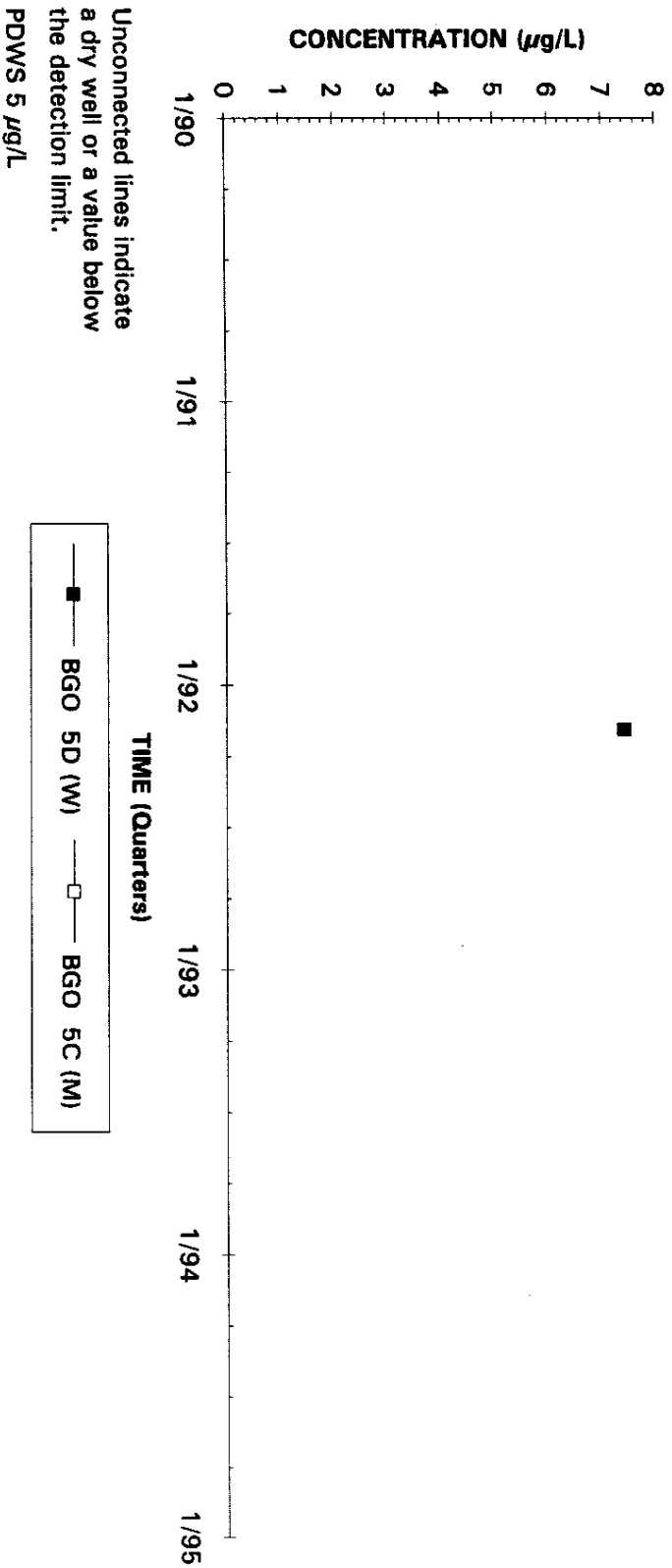
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 4D



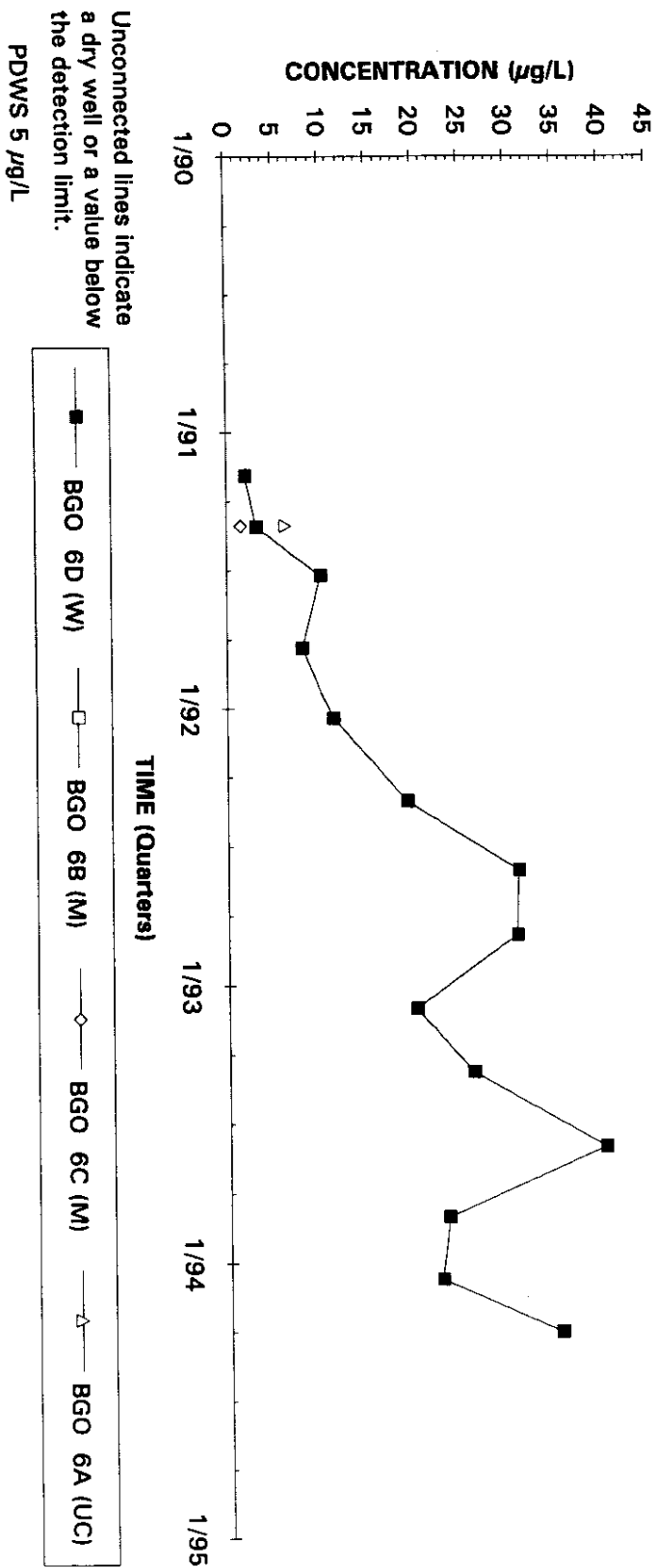
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 5



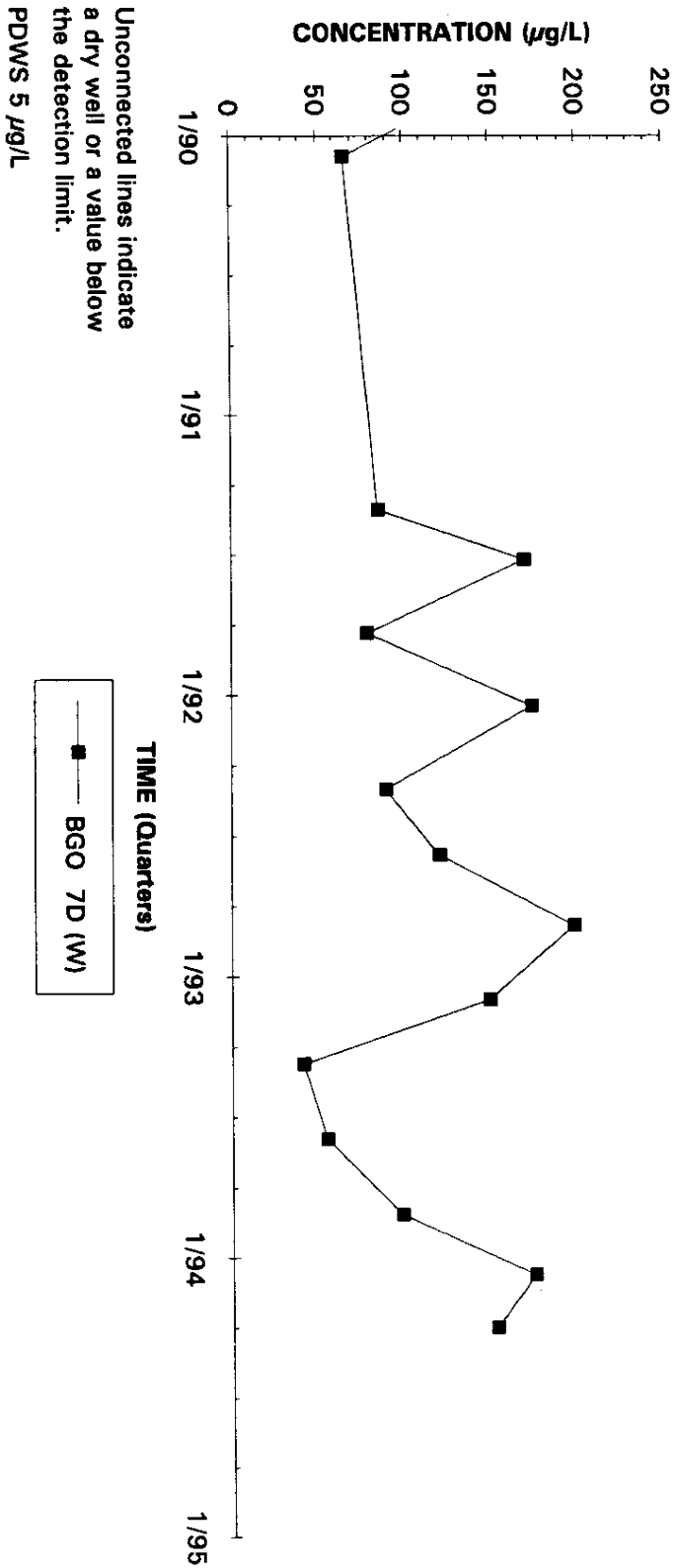
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 6



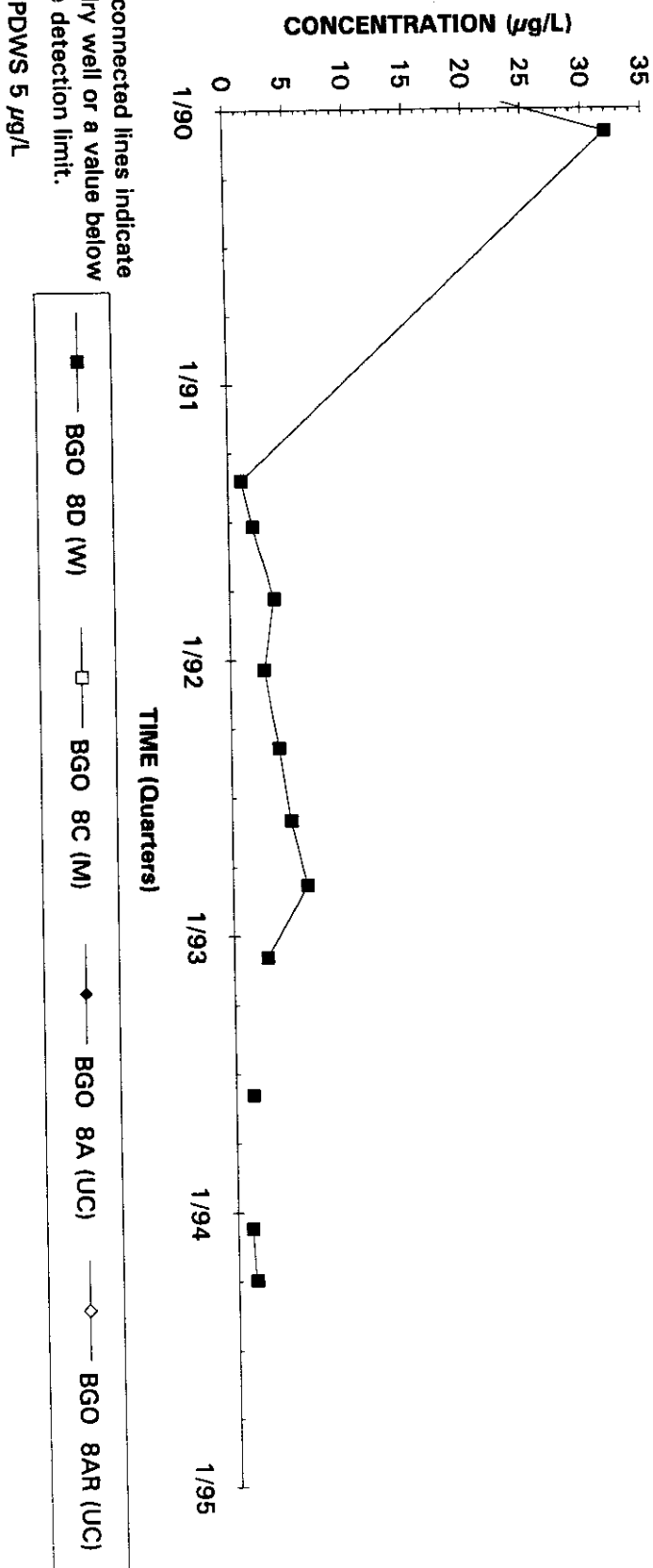
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 7D



Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 8

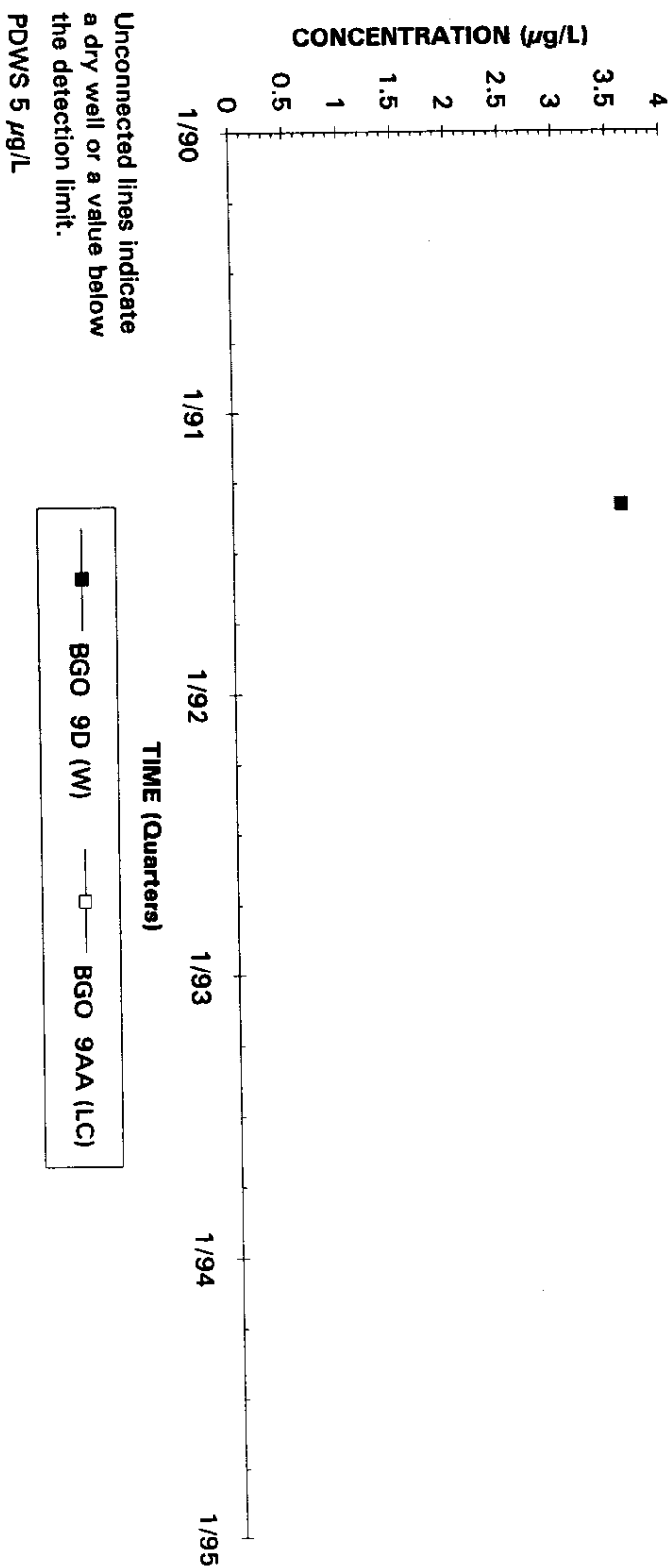


Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

MWMF

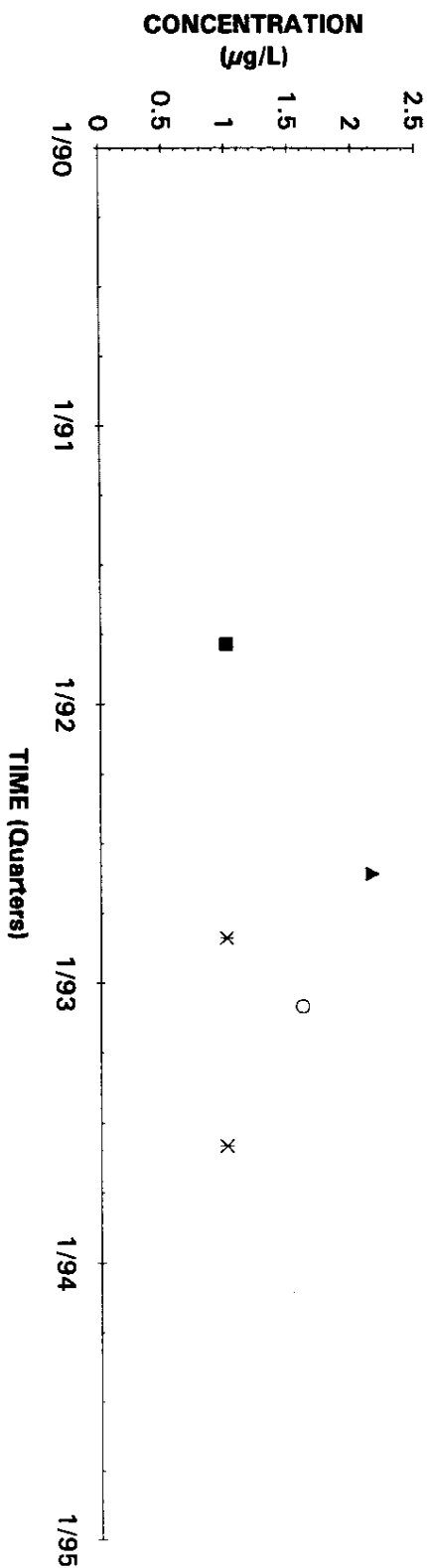
Second Quarter 1994

Trichloroethylene Concentrations Well Cluster BGO 9



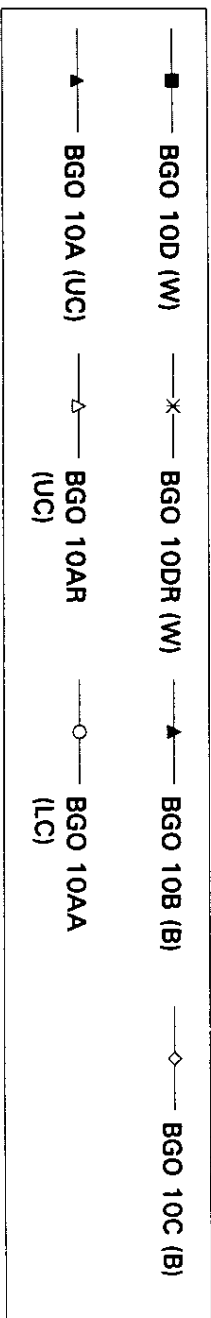
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 10



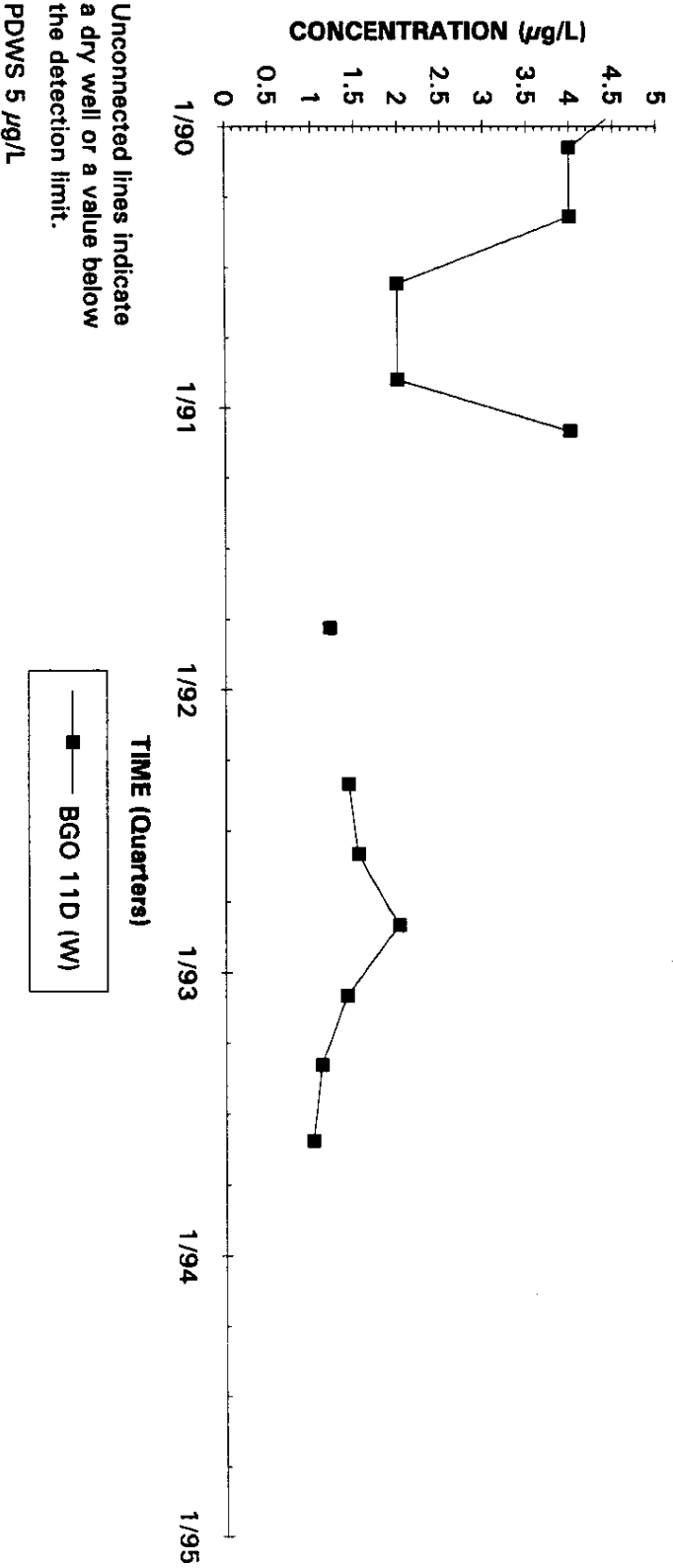
Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L



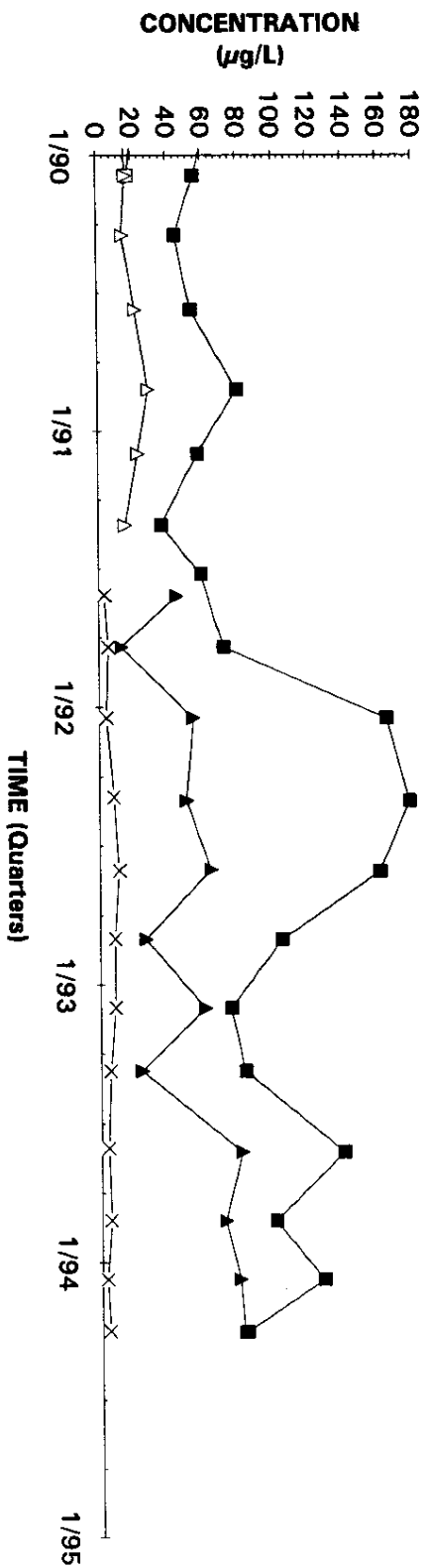
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 11D



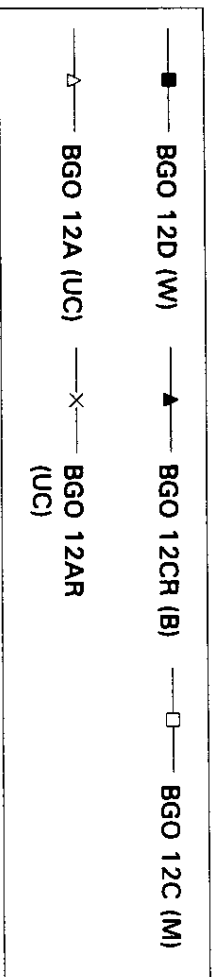
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 12



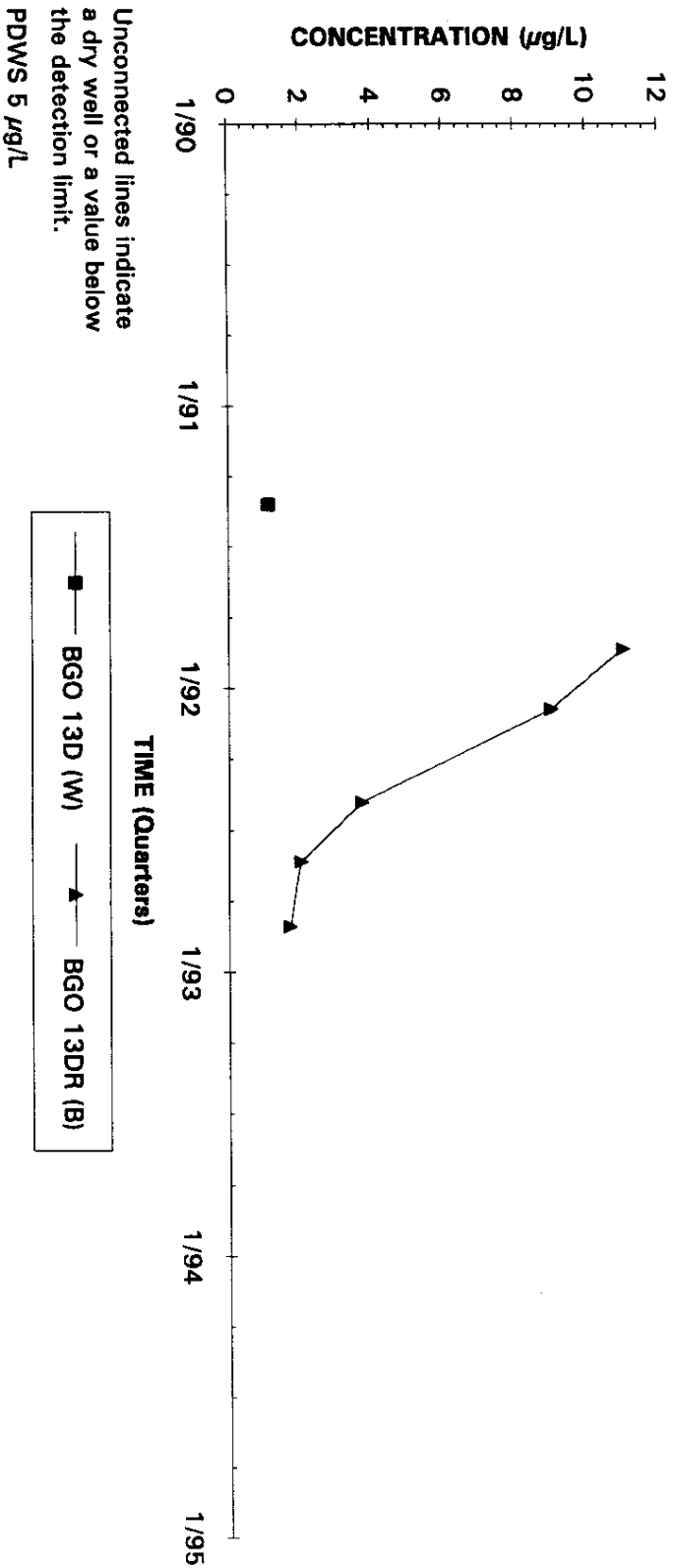
Unconnected lines indicate a dry well or a value below the detection limit.

PDWS 5 µg/L



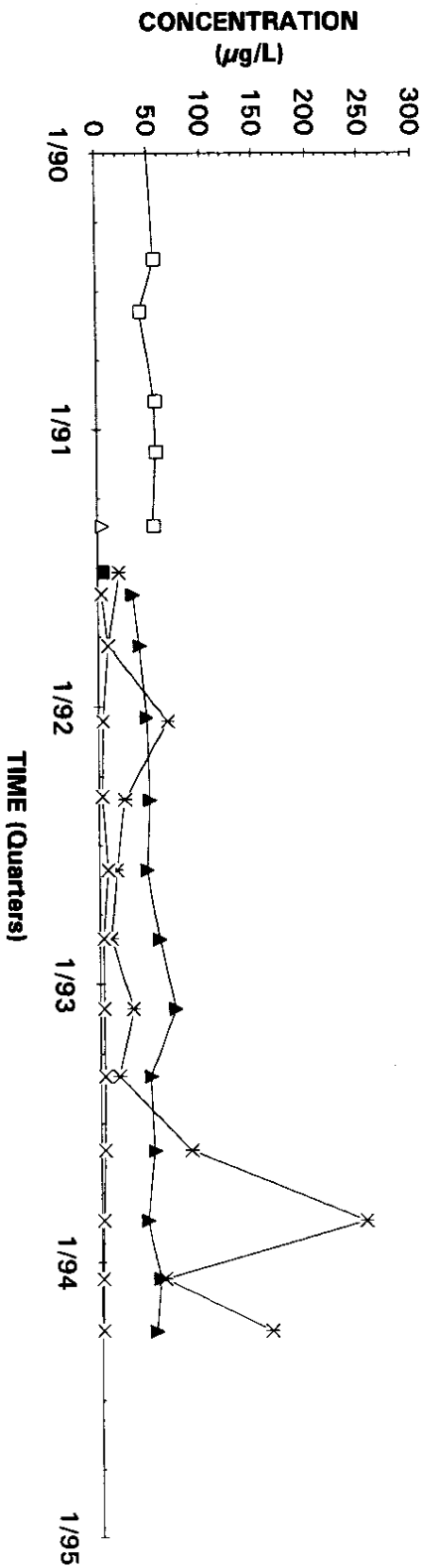
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 13



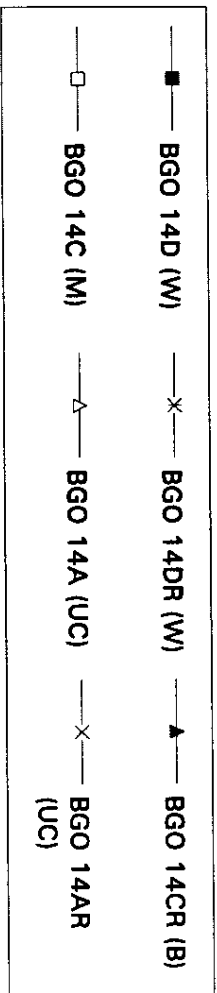
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 14



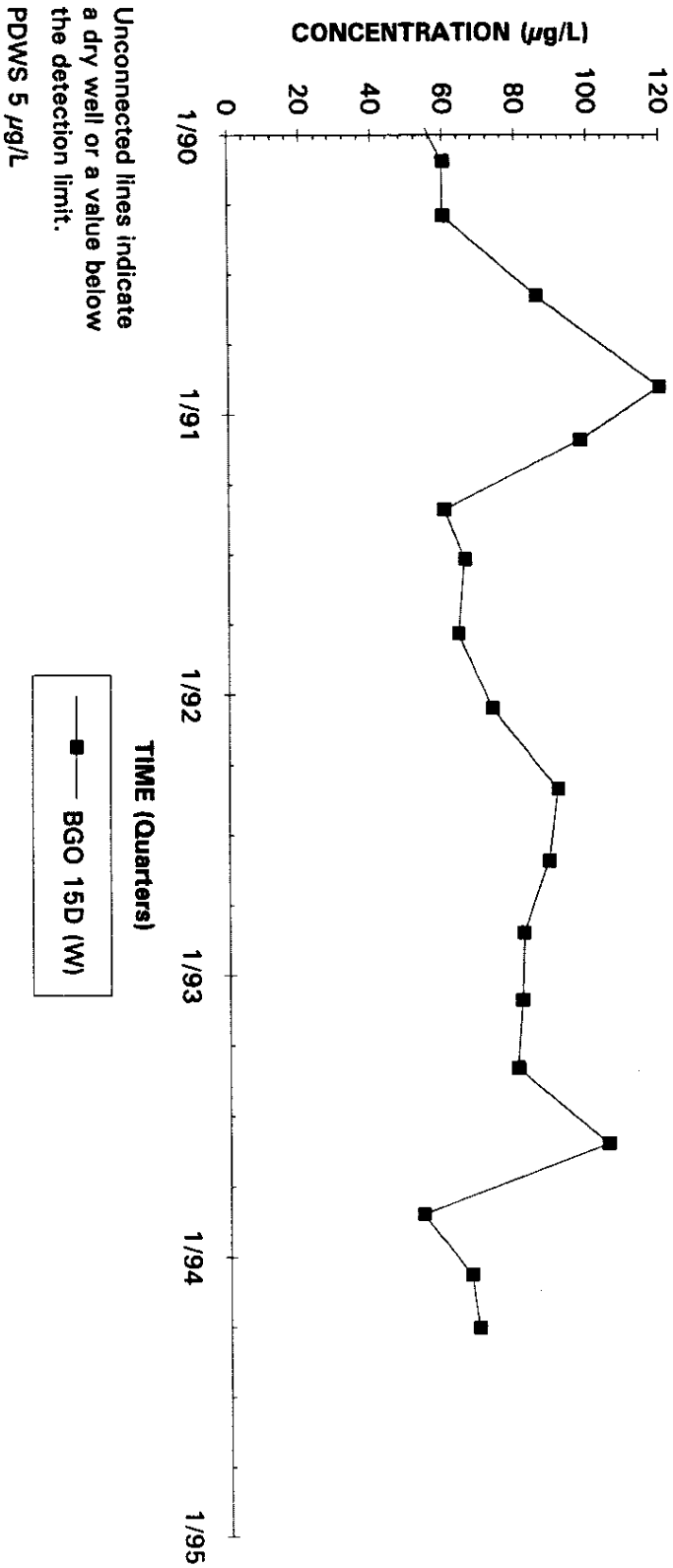
Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L



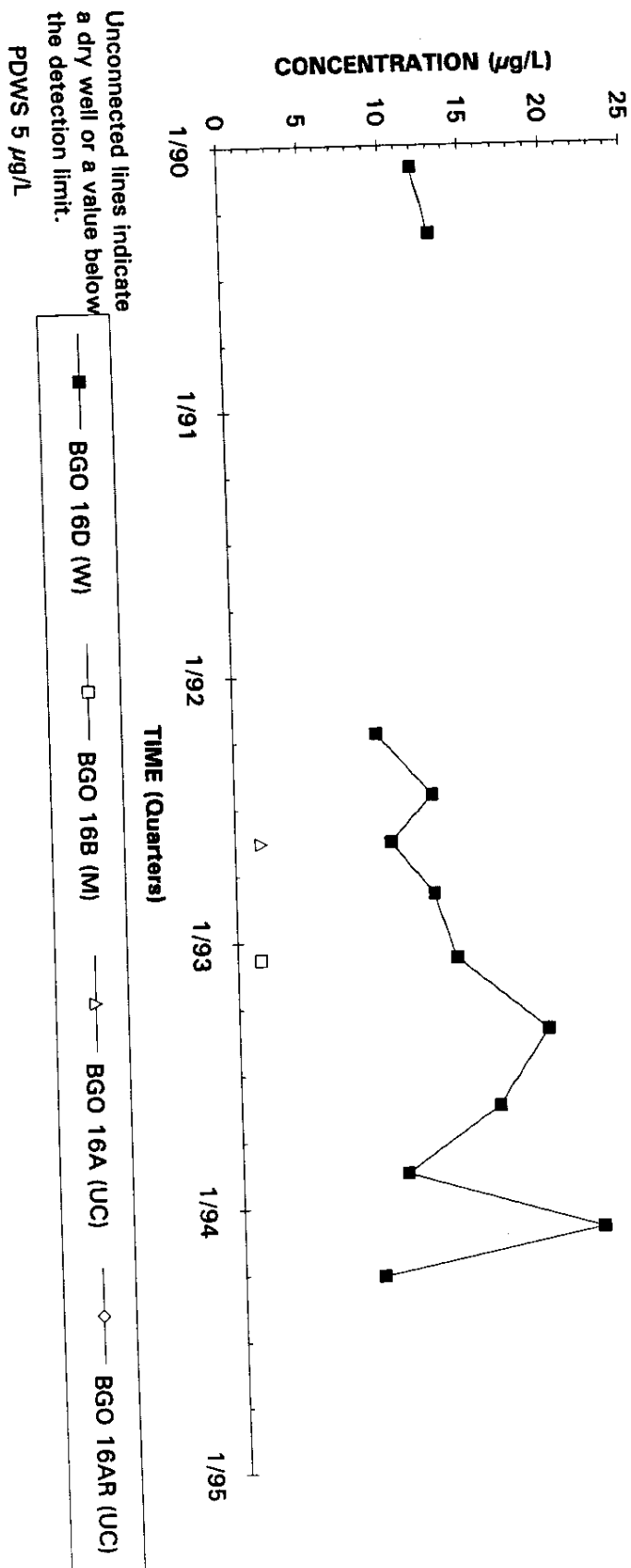
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 15D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 16

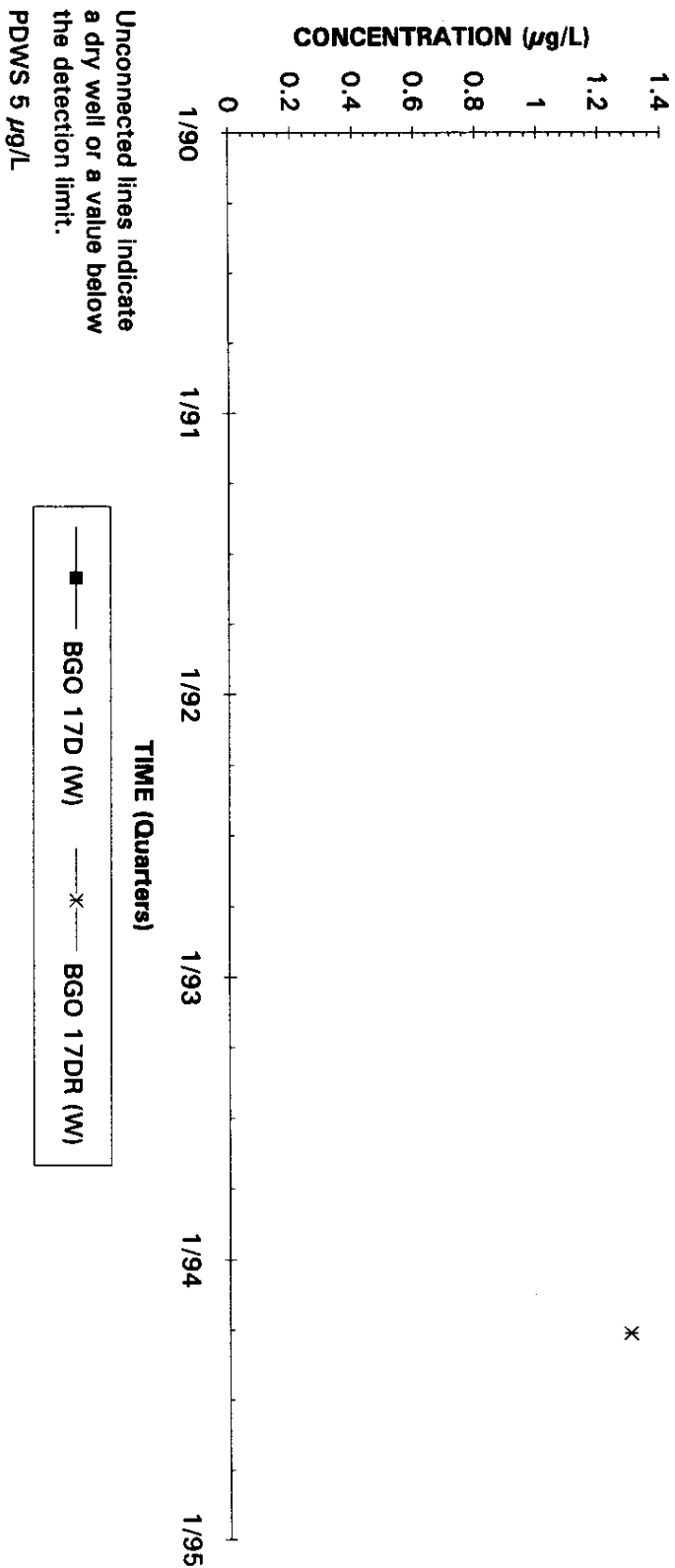


Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MW/MF

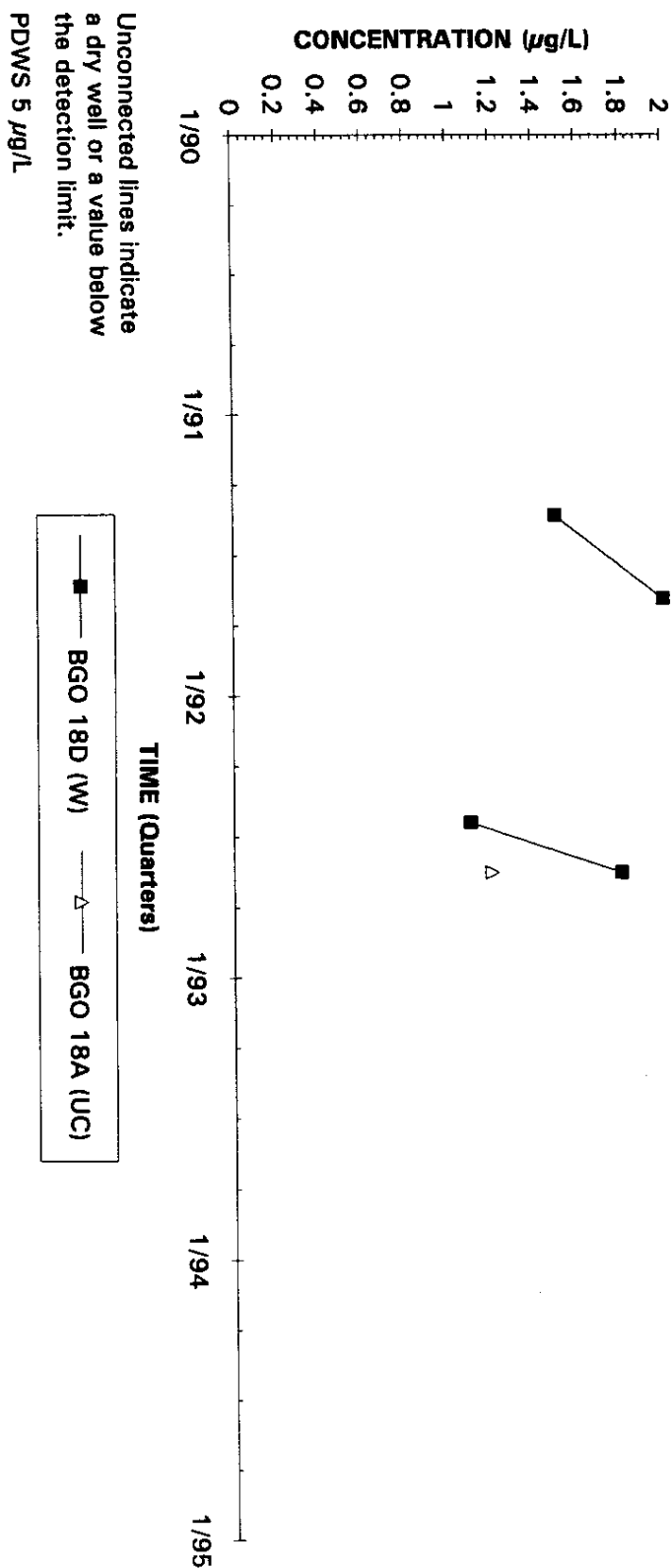
Second Quarter 1994

Trichloroethylene Concentrations Well Cluster BGO 17



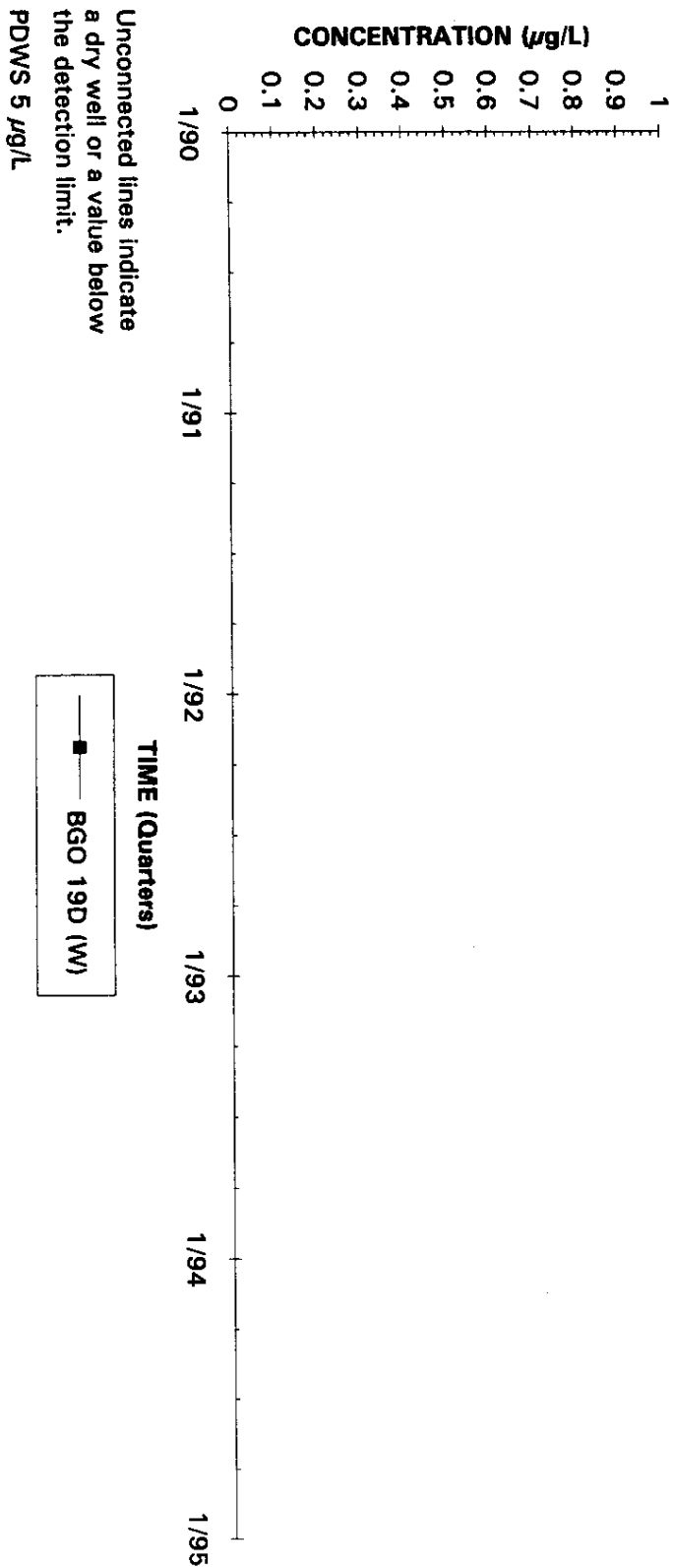
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 18



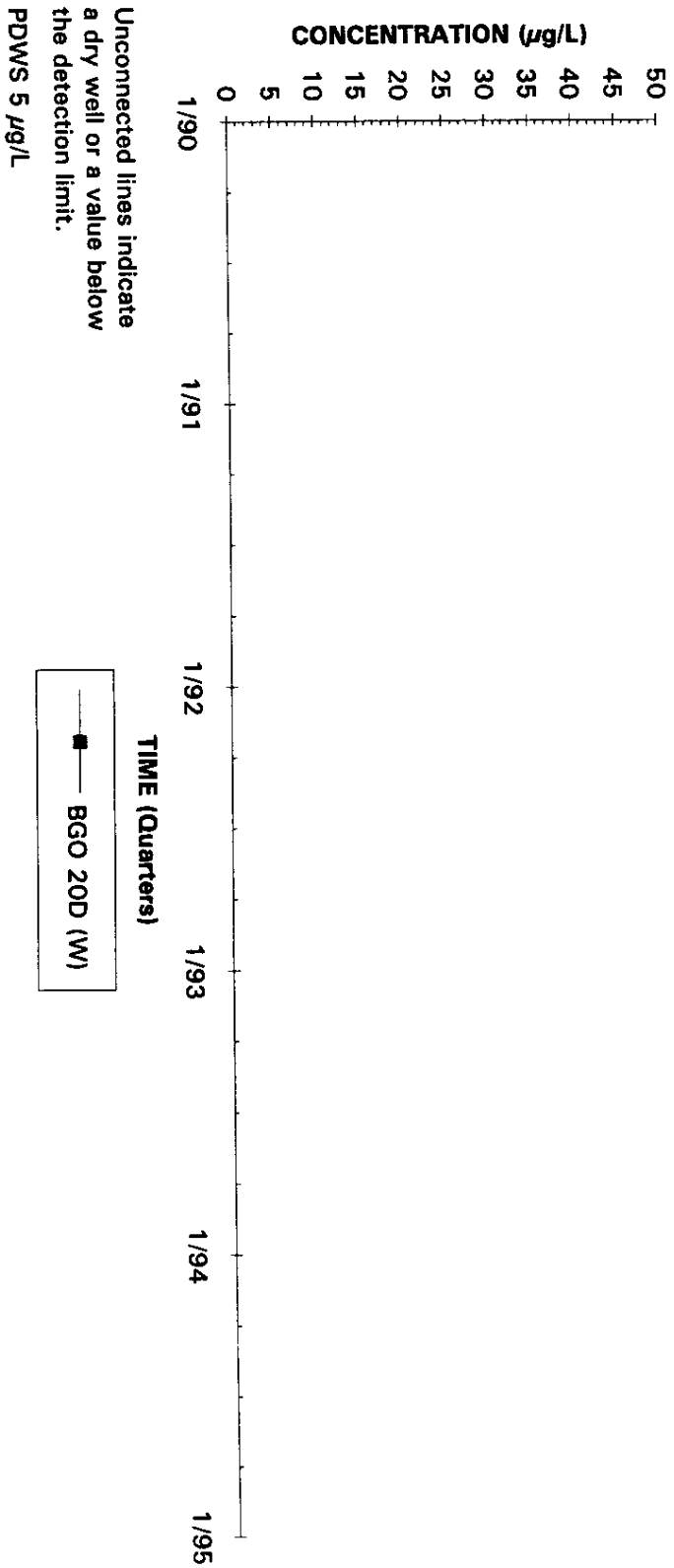
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 19D



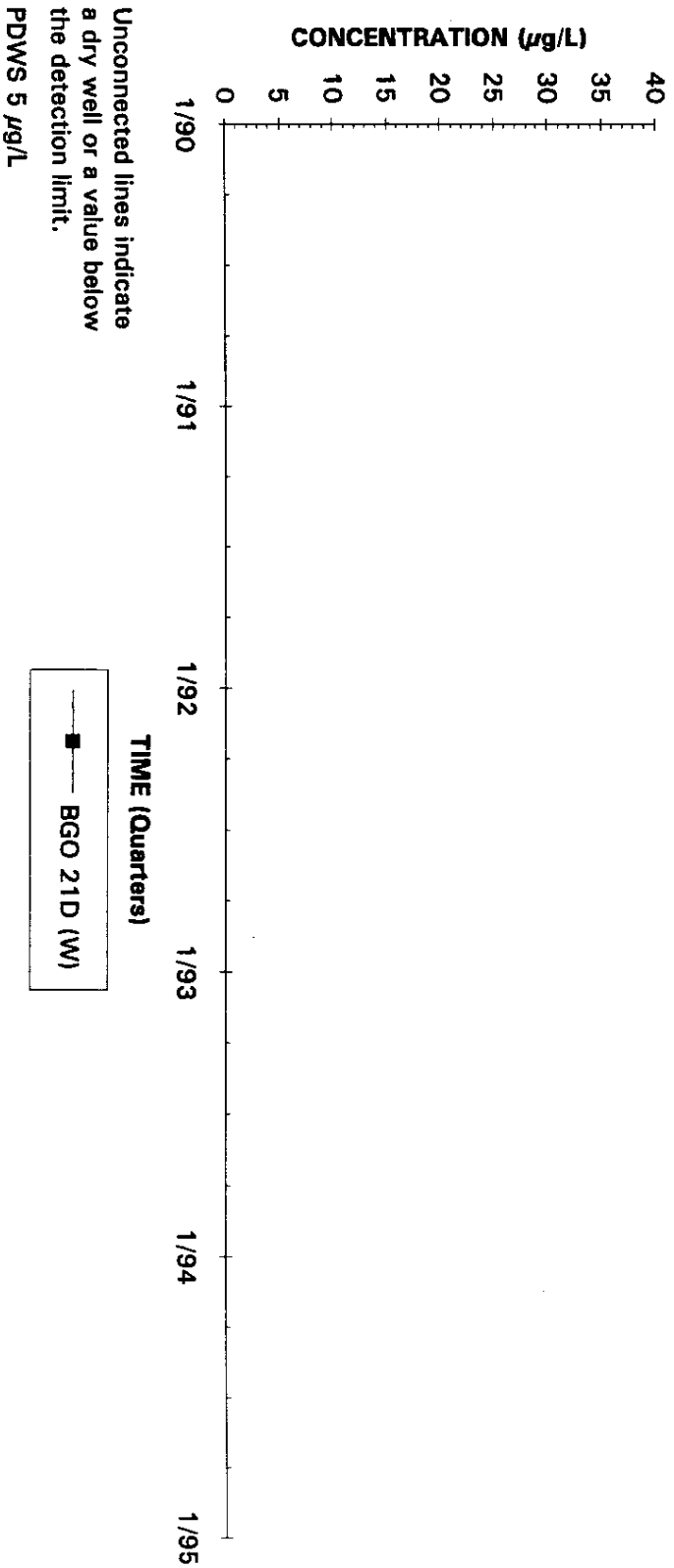
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 20D



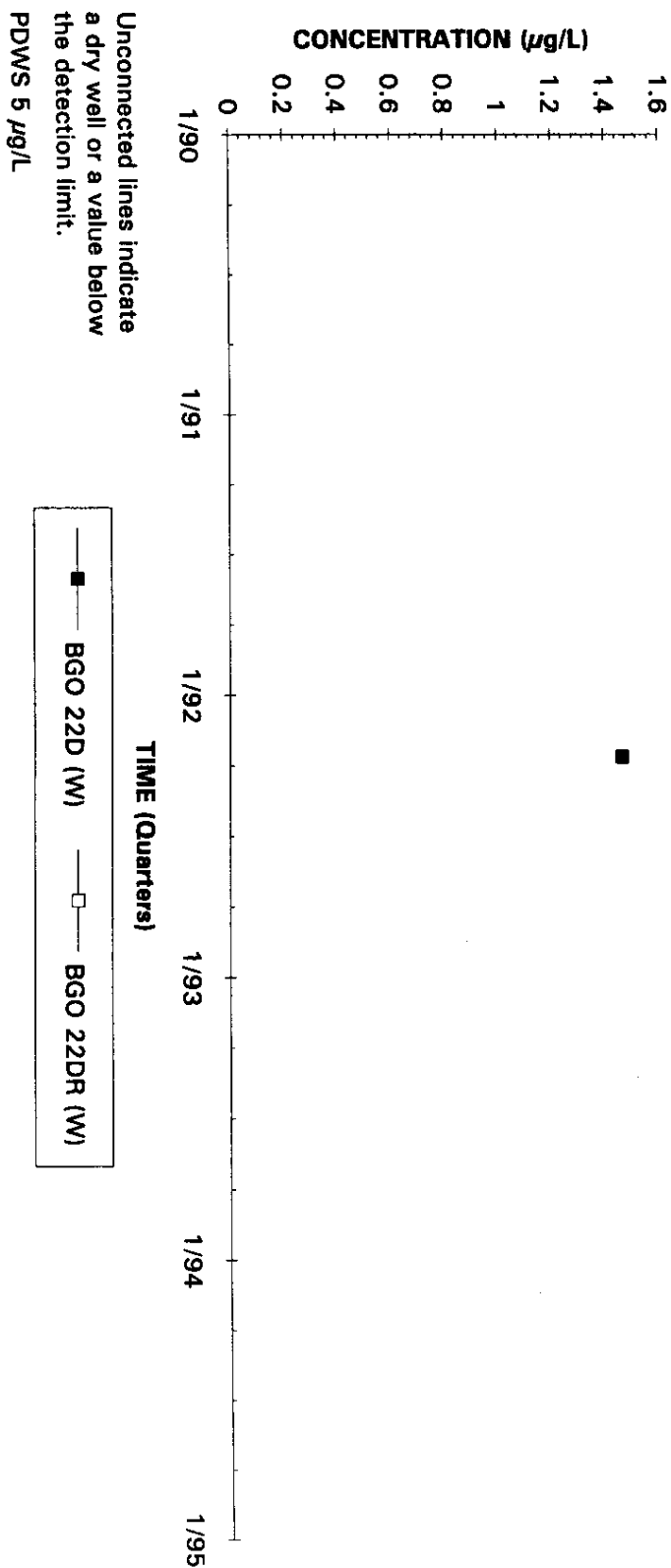
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 21D



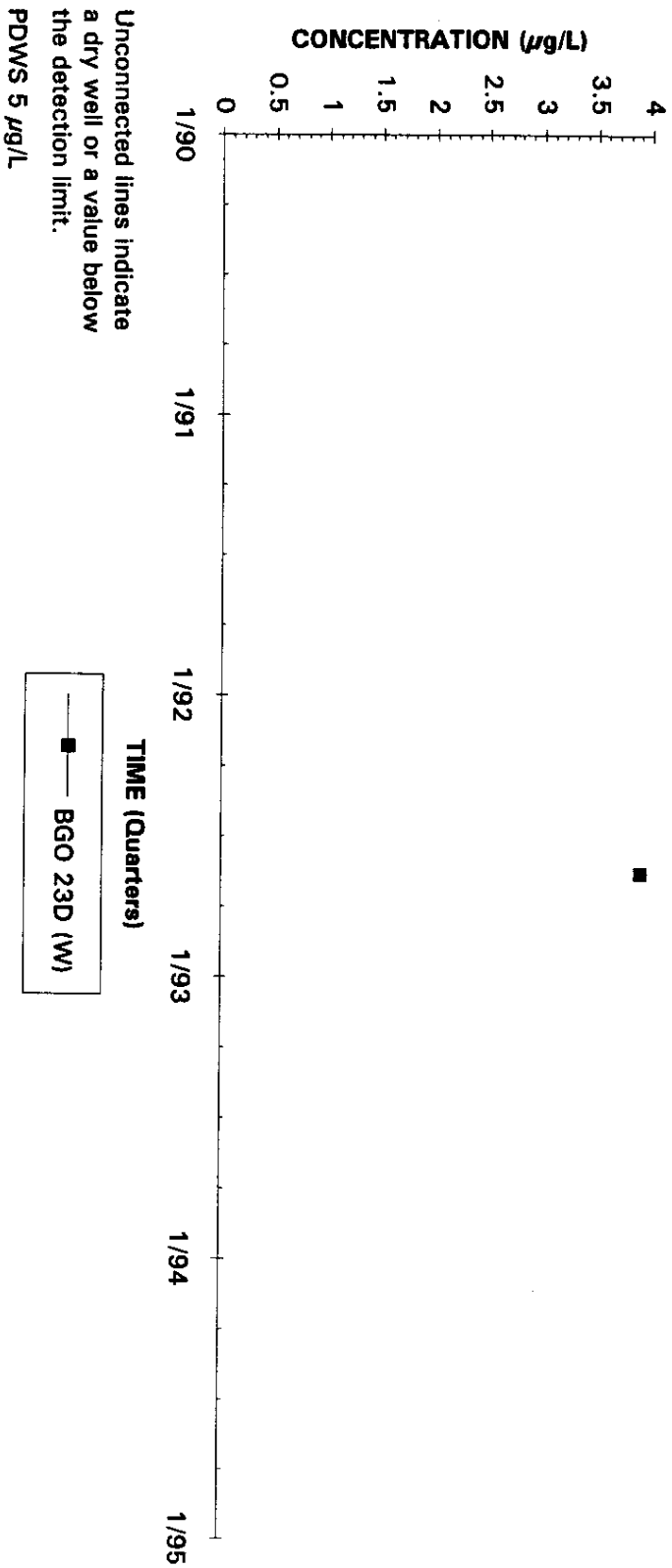
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 22



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 23D

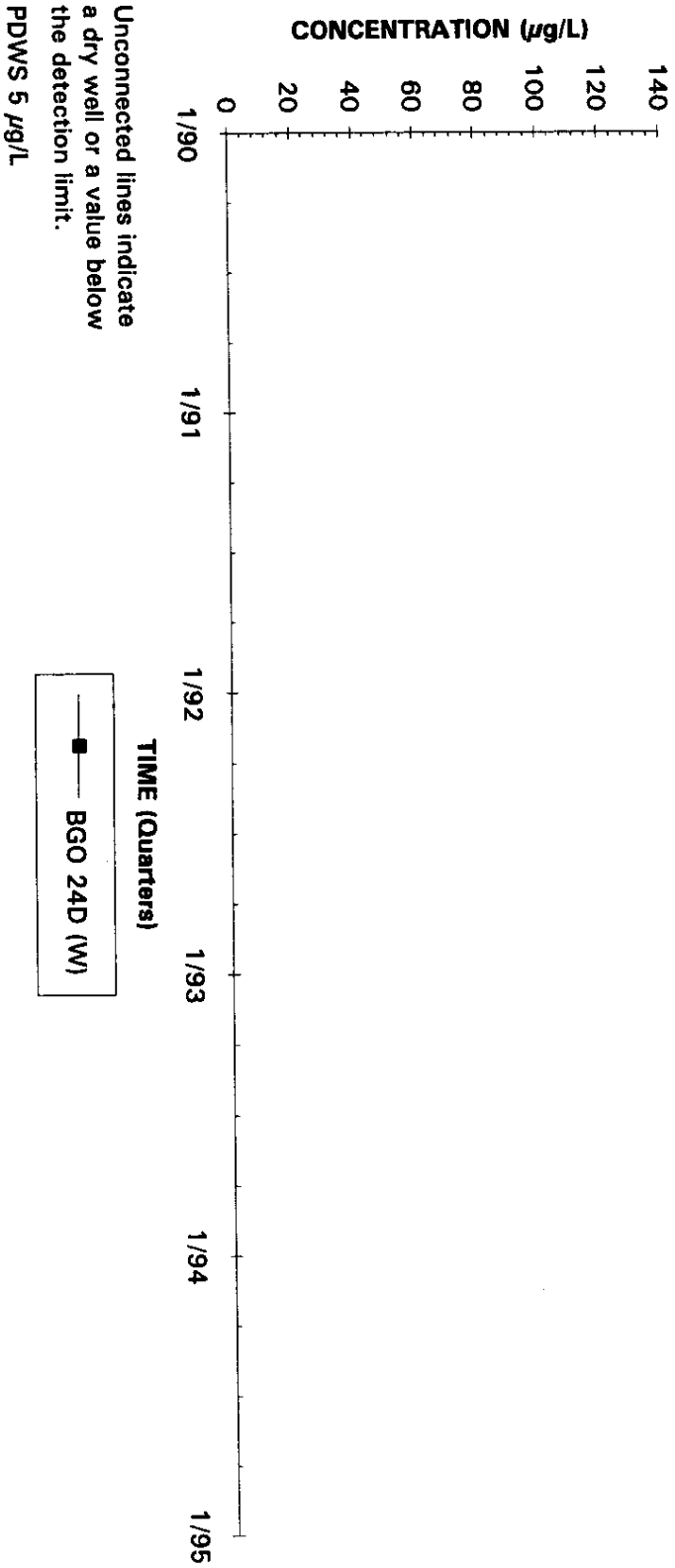


Note: W=Water Table (IIB2); B=Barnwell (IIB3); M=McBean (IIB3); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MMMF

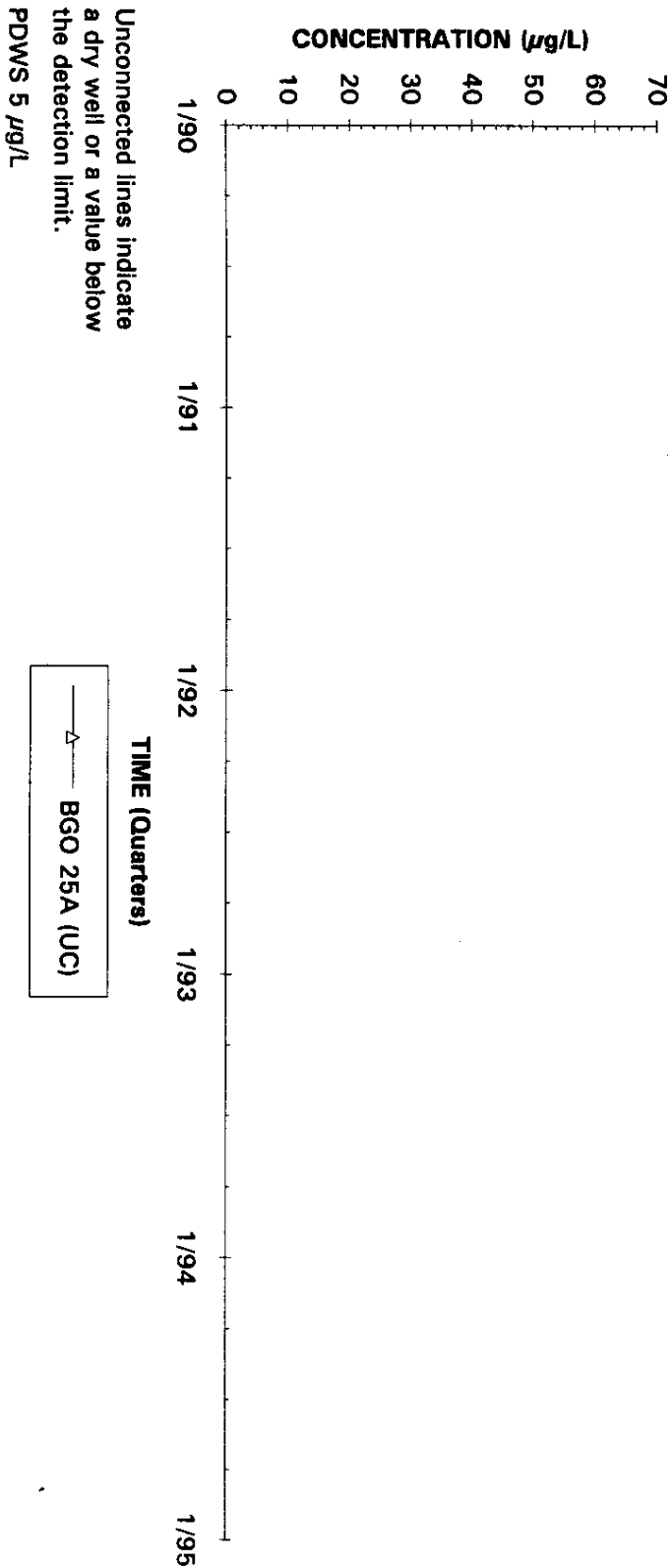
Second Quarter 1994

Trichloroethylene Concentrations Well BGO 24D



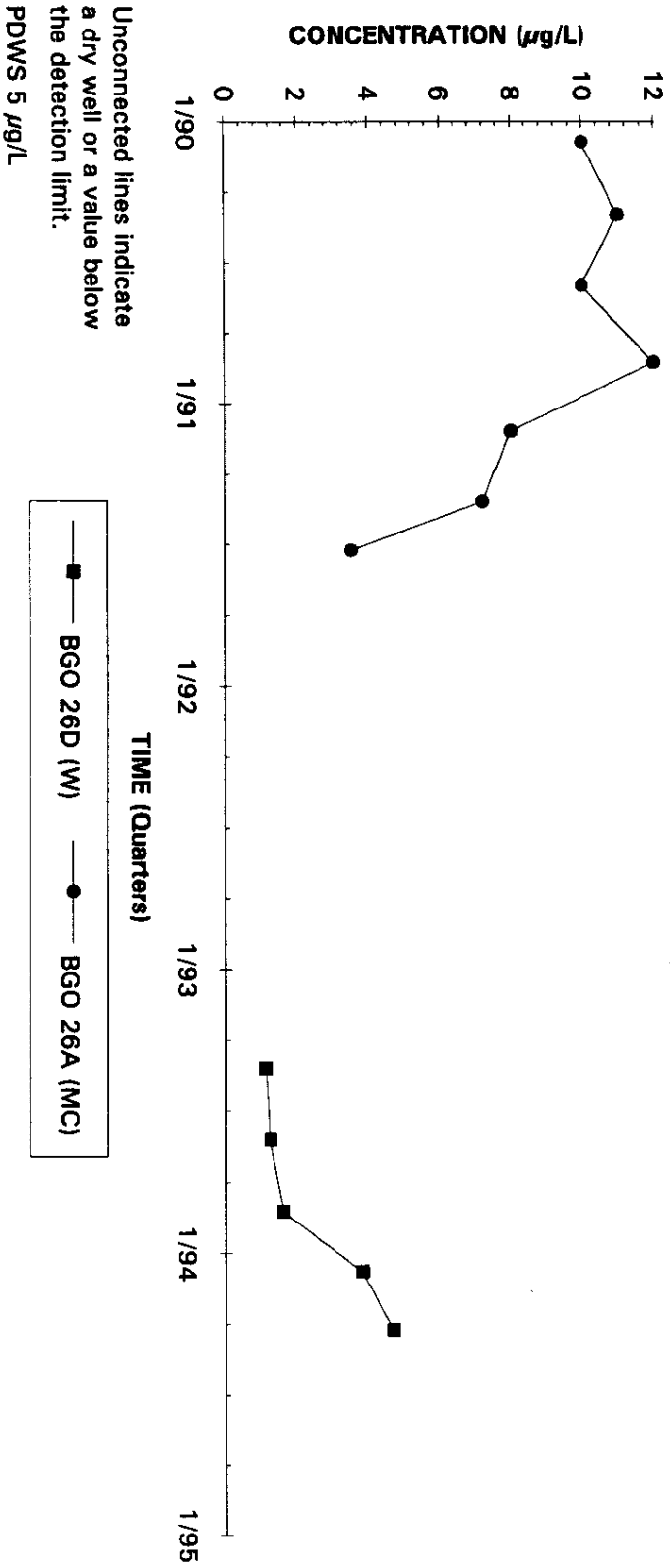
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 25A



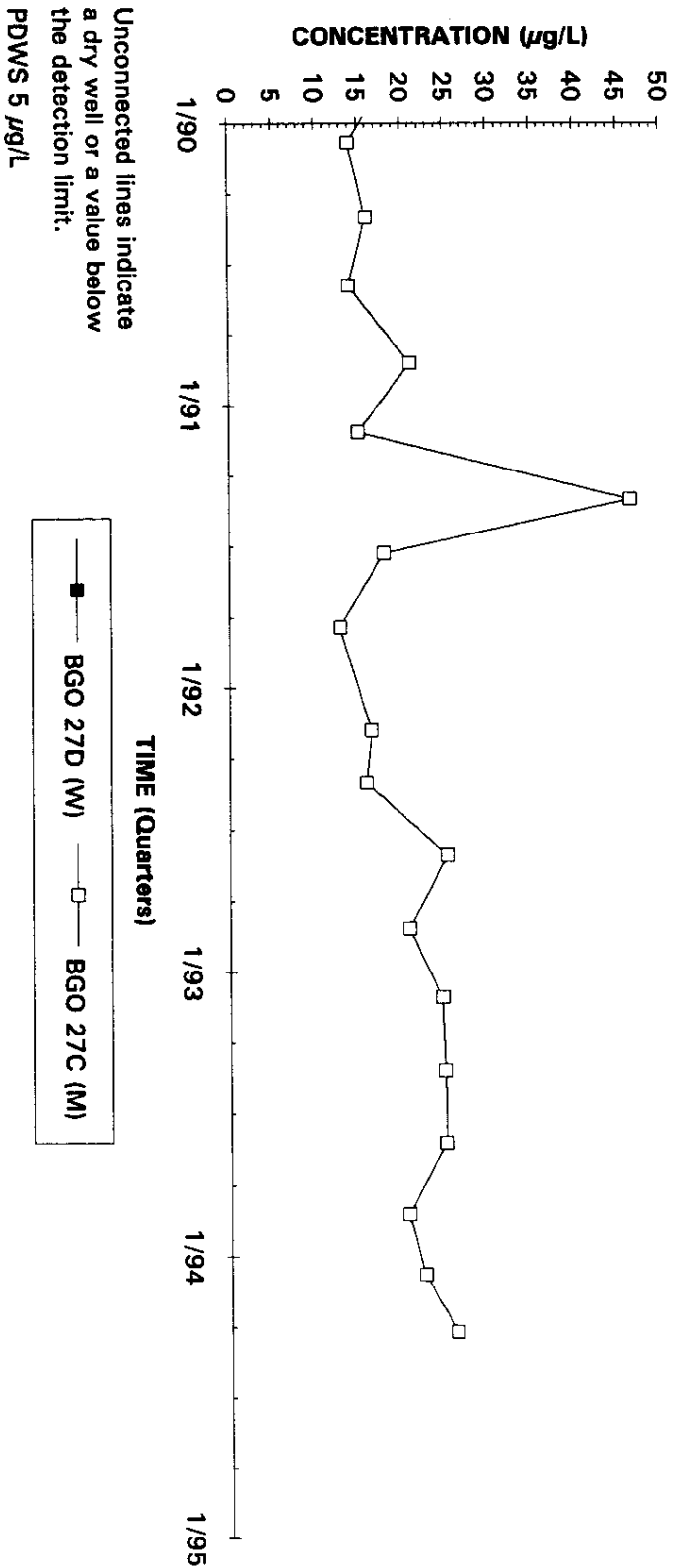
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 26



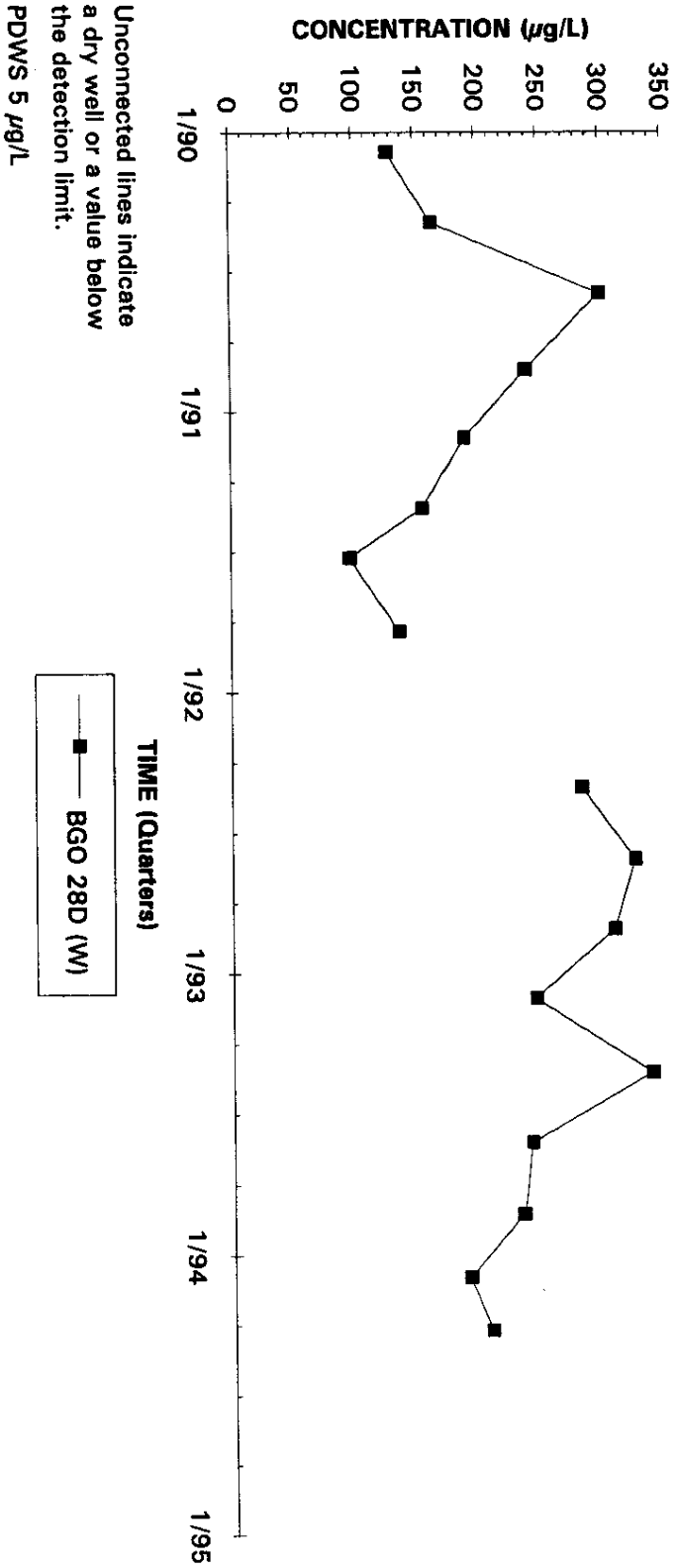
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 27



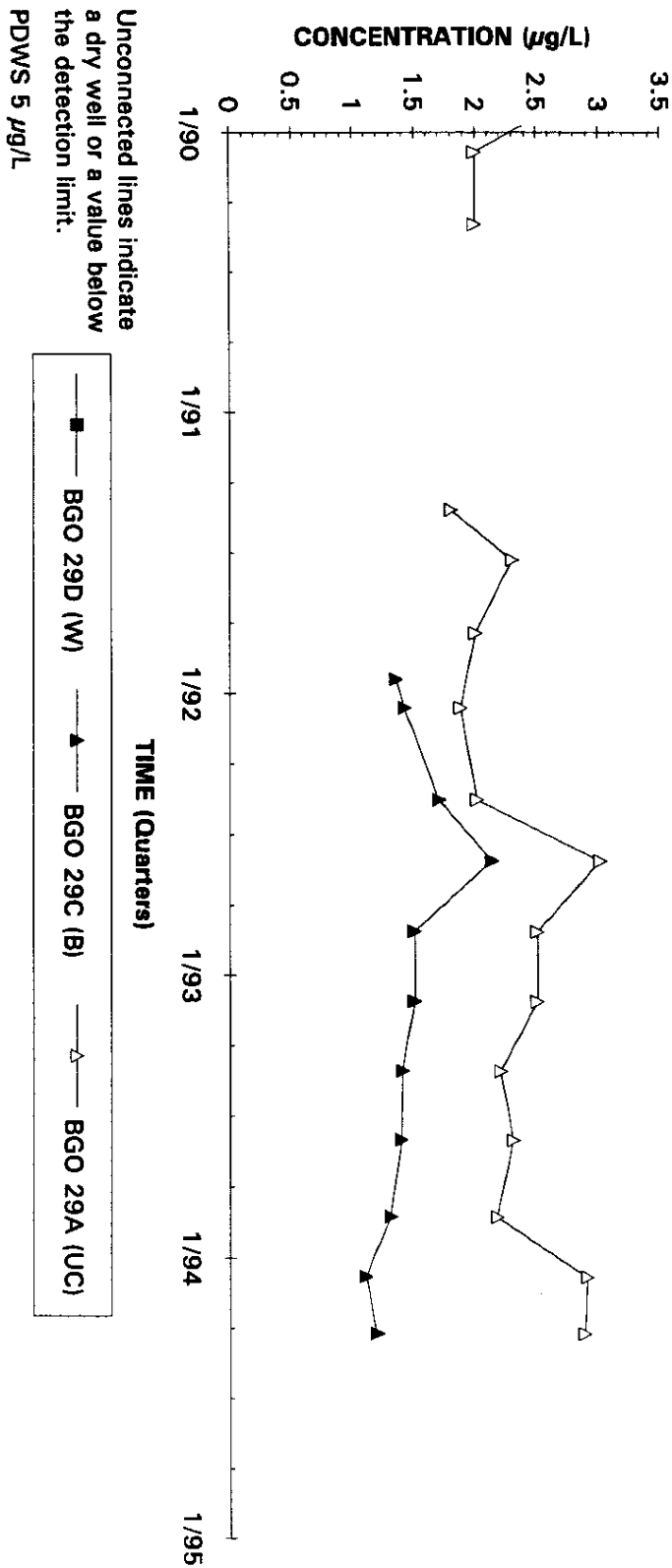
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 28D



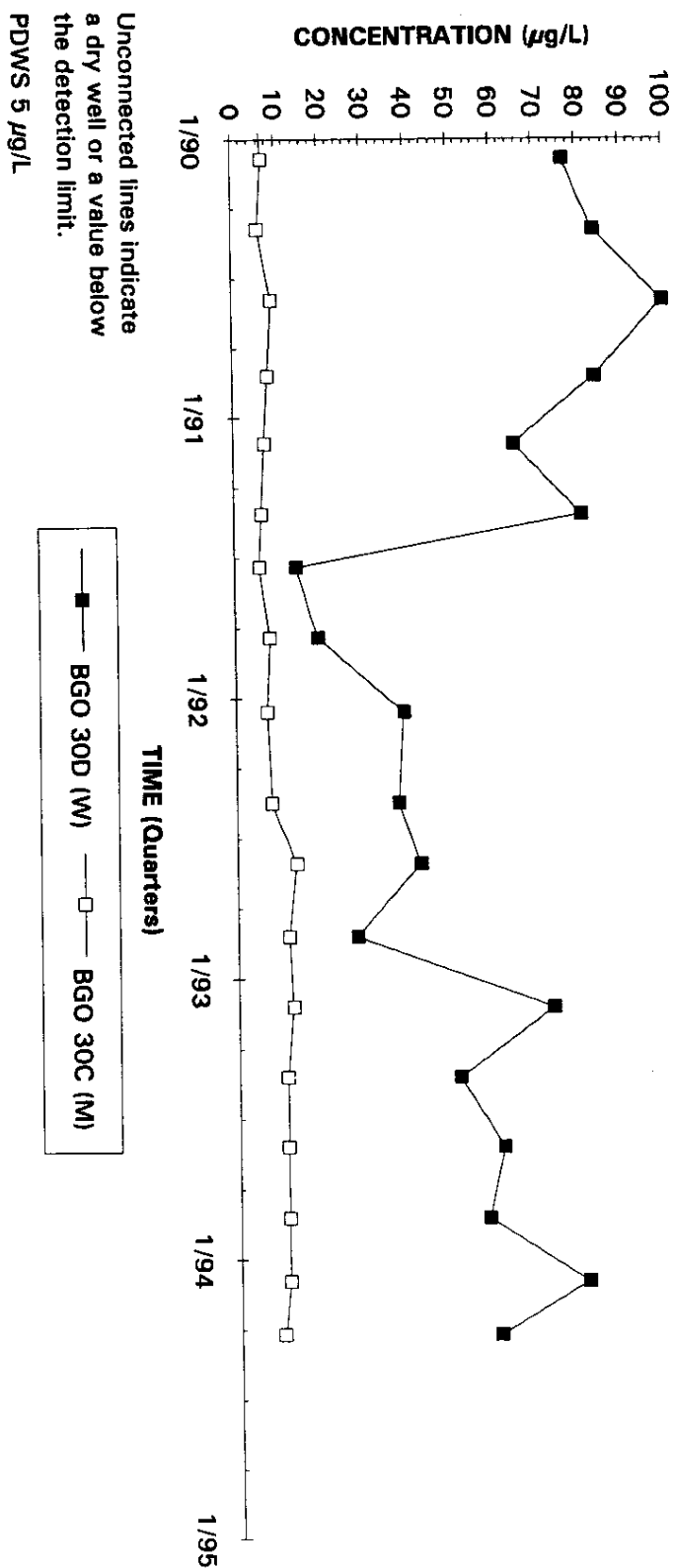
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 29



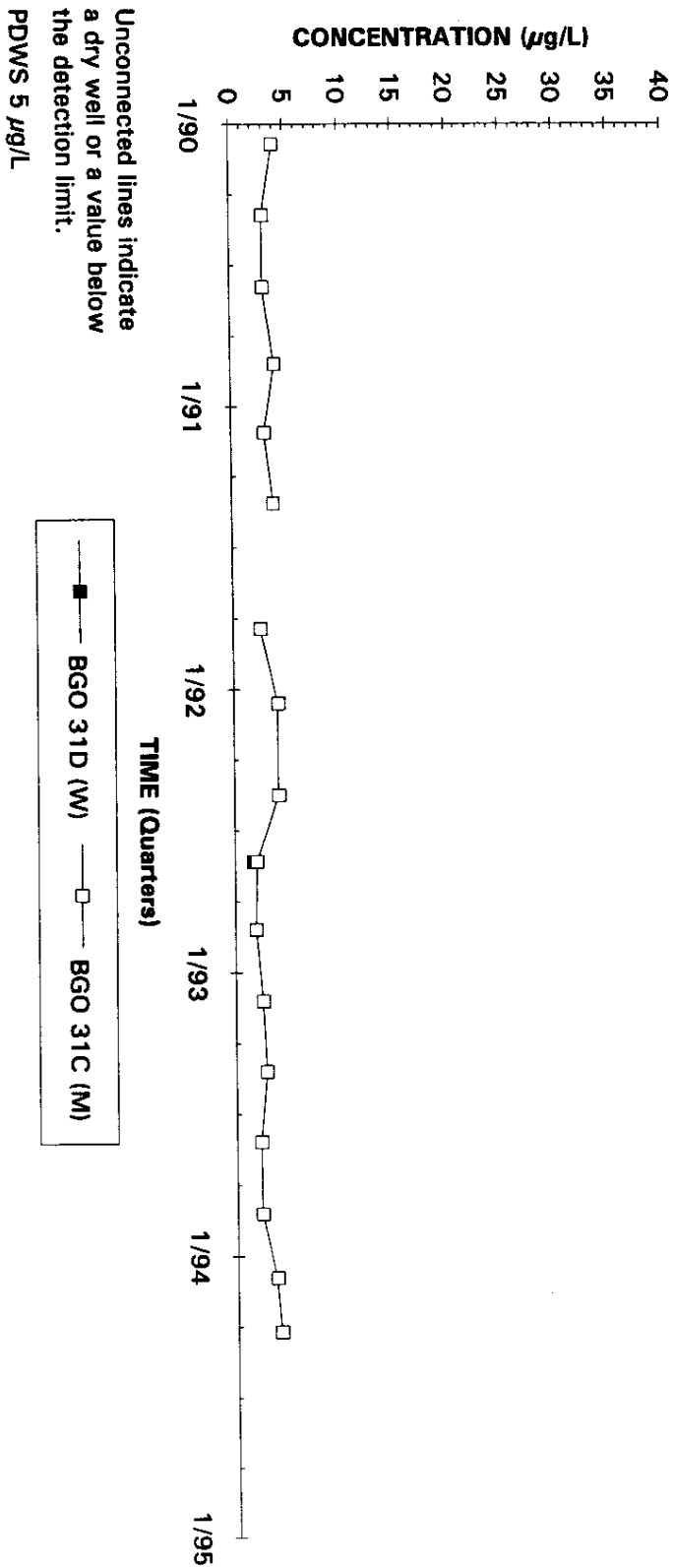
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 30



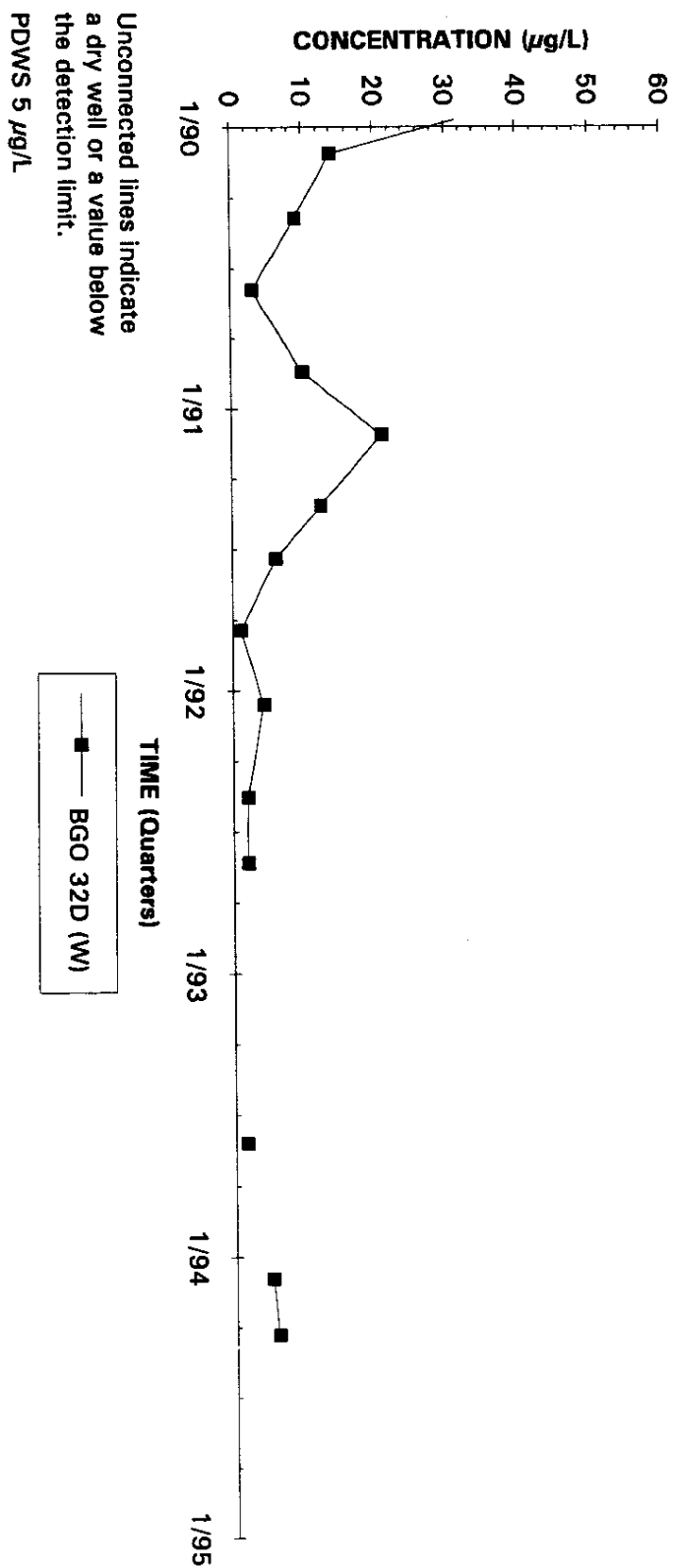
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 31



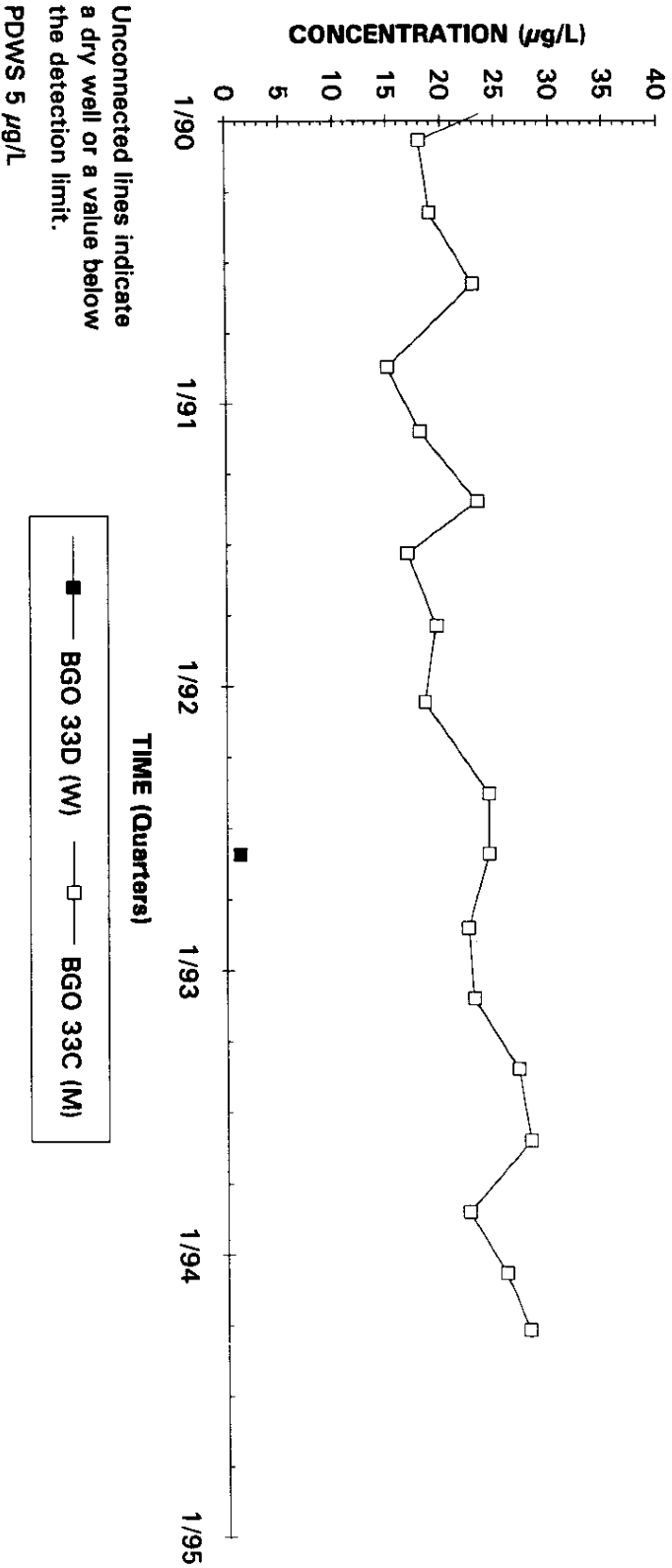
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 32D



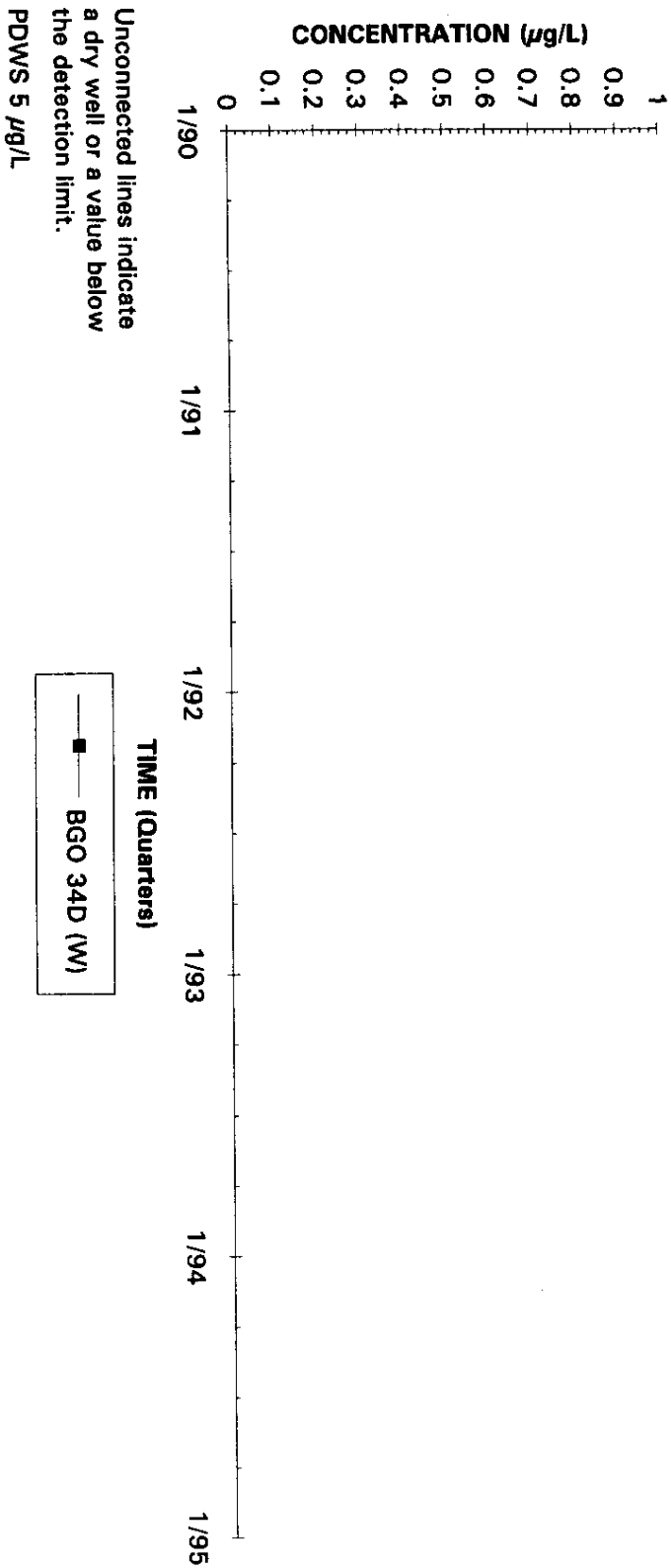
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 33



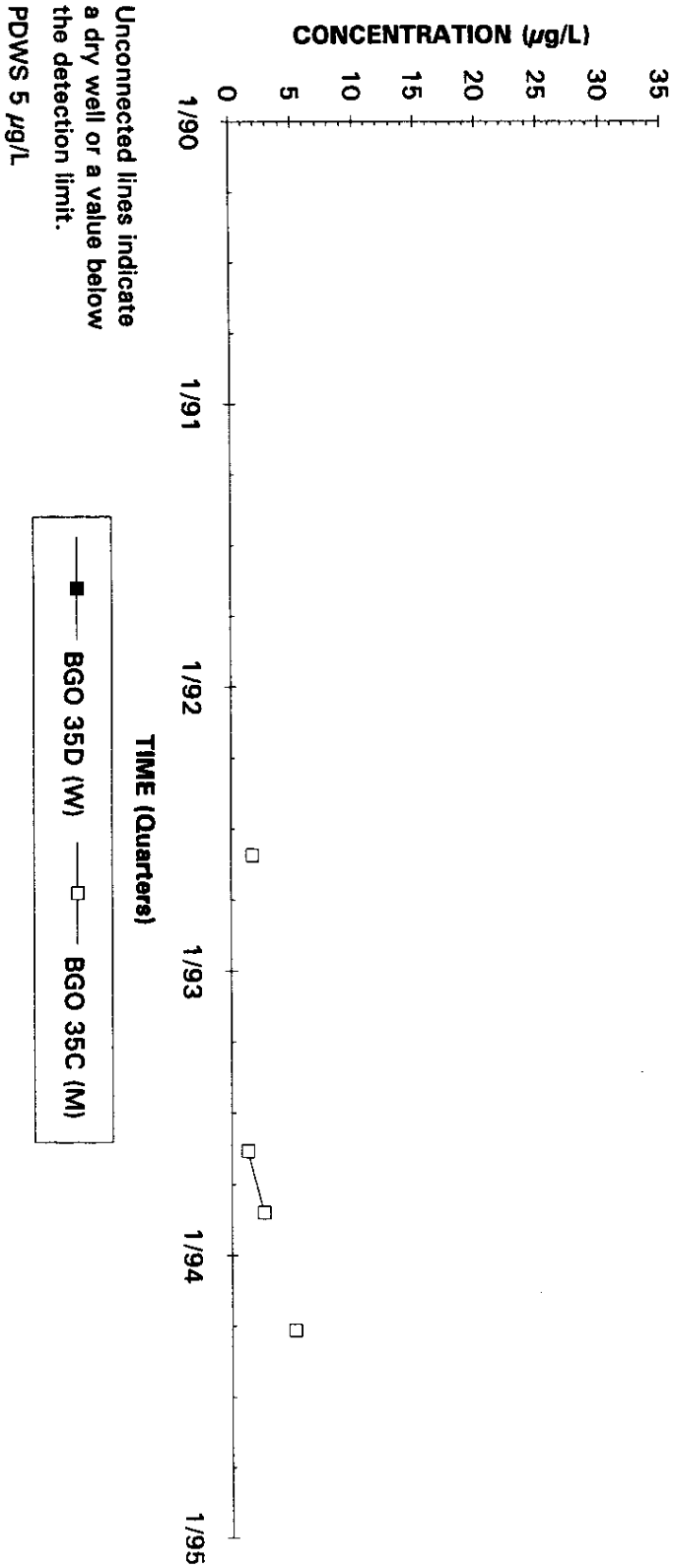
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 34D



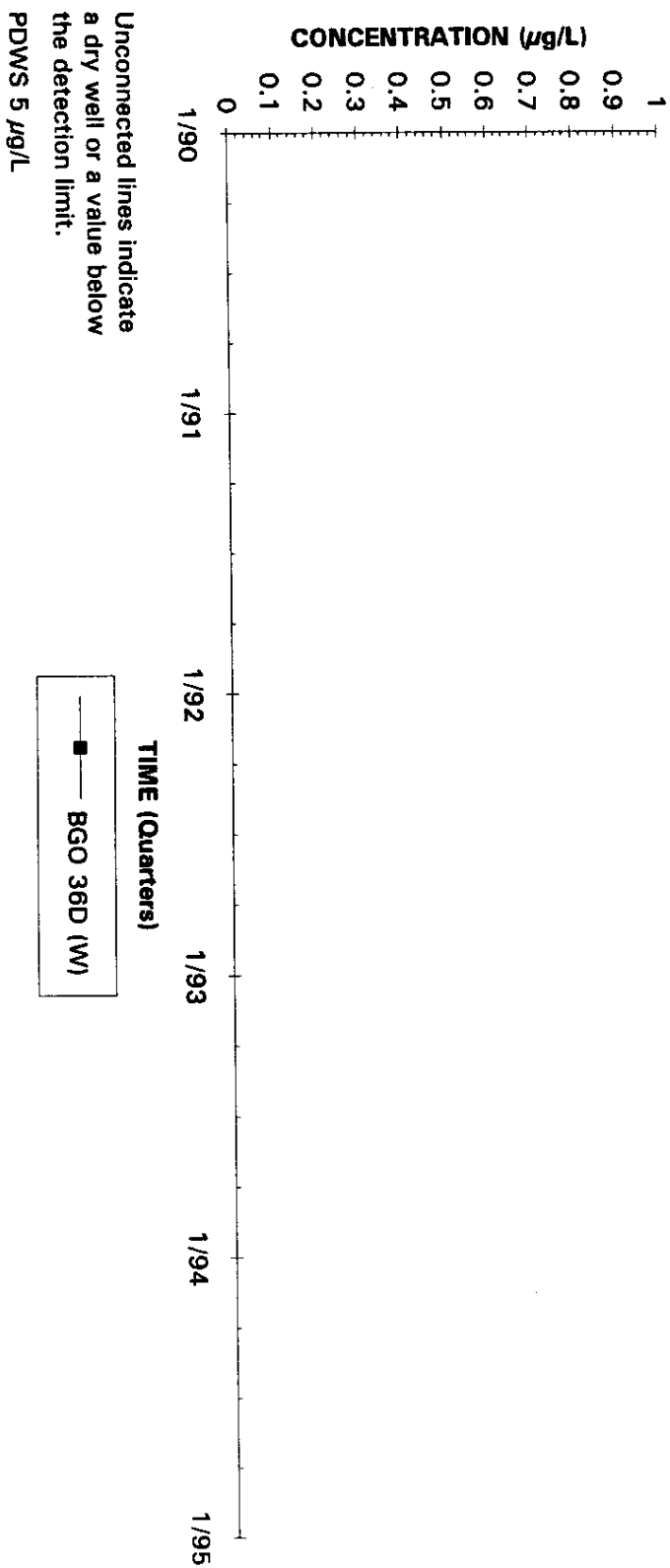
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 35



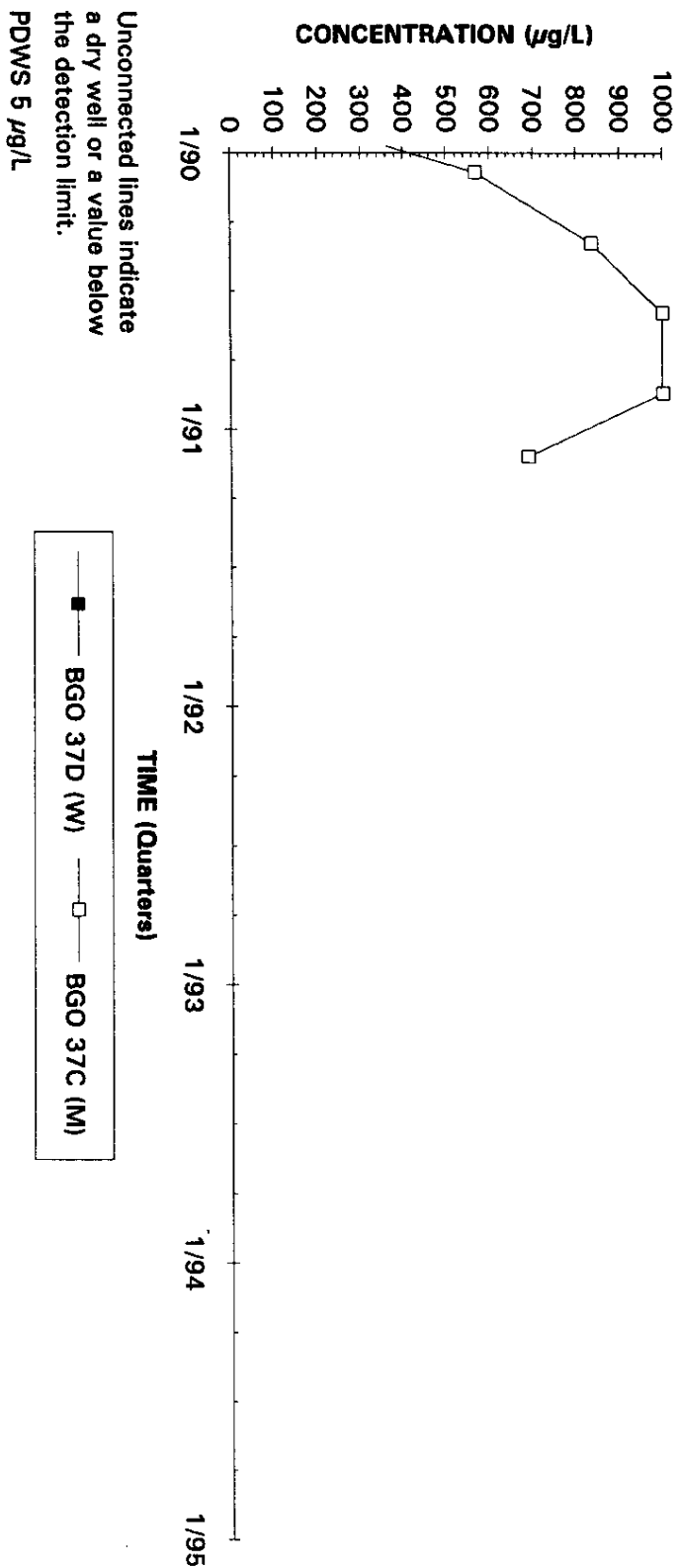
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 36D



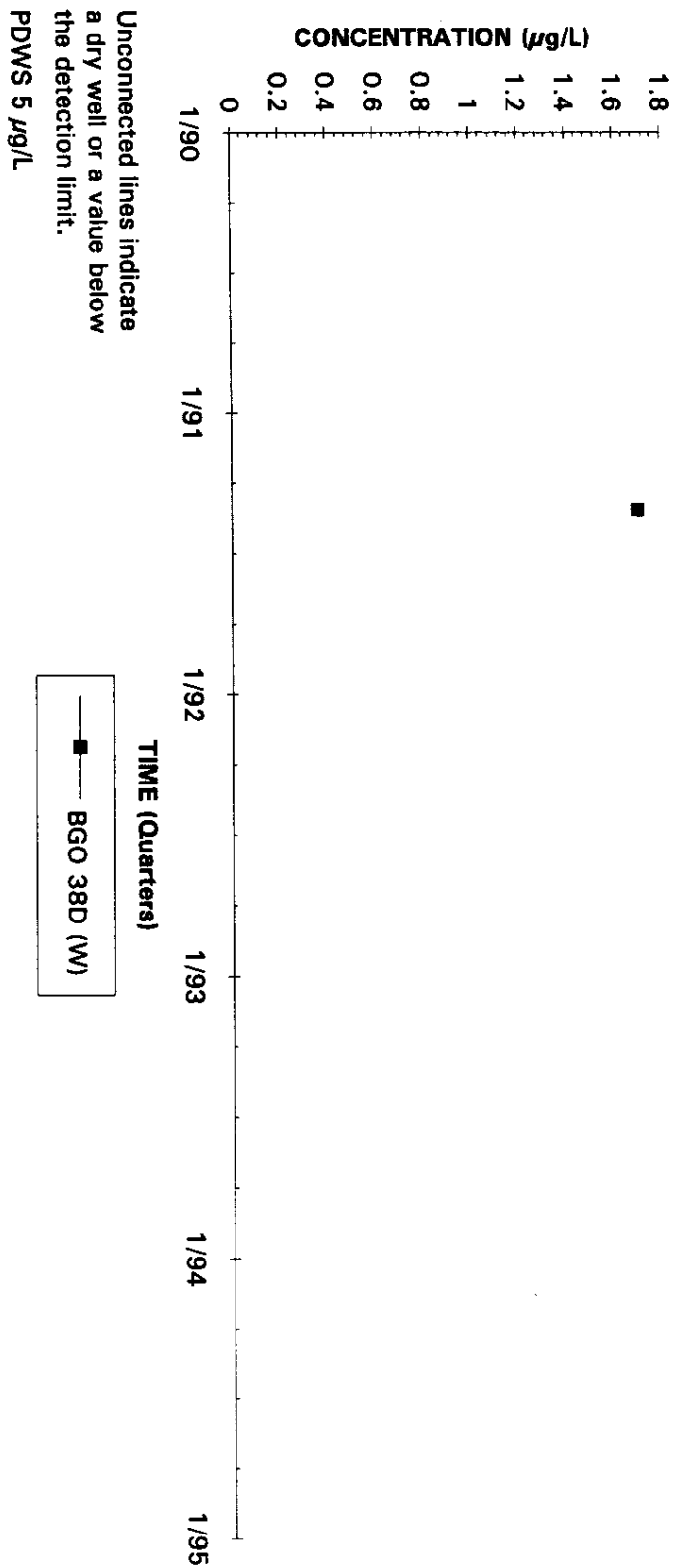
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 37



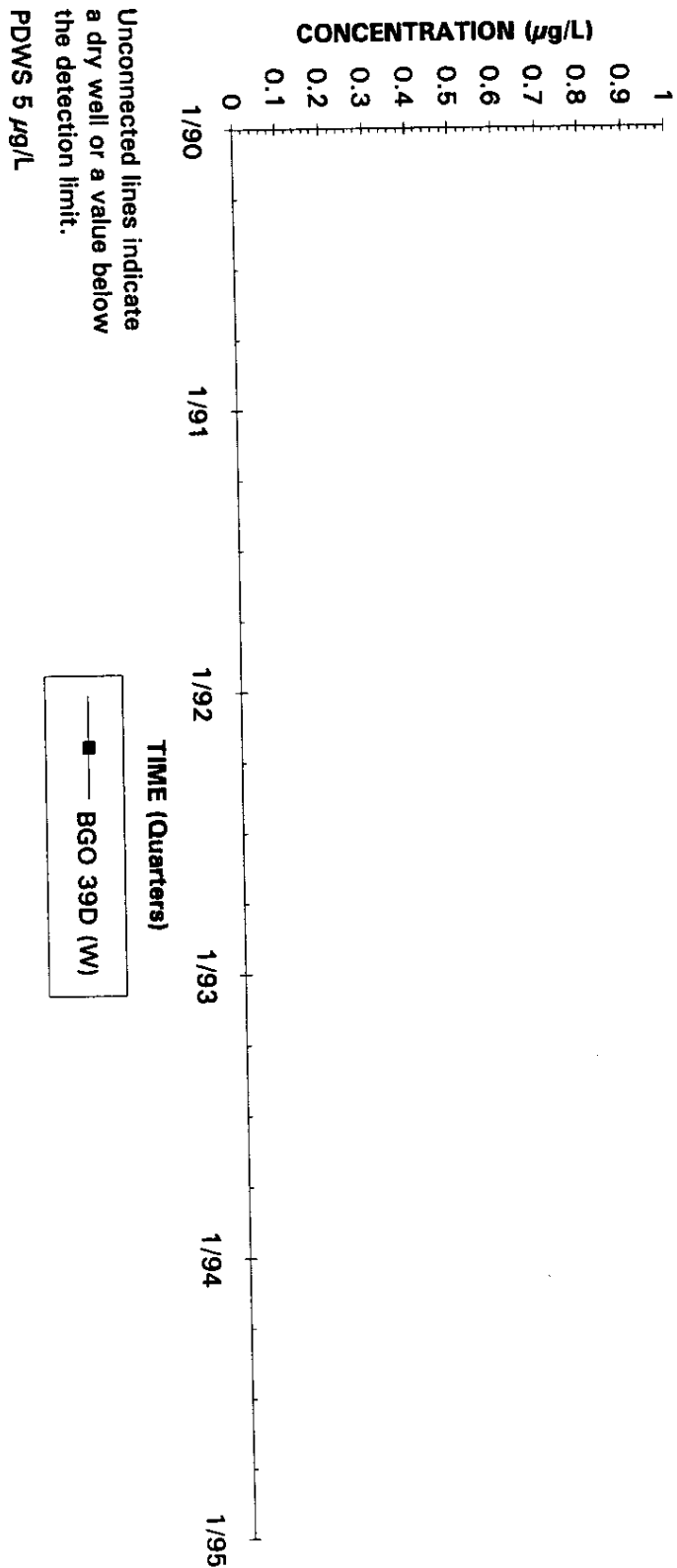
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 38D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 39D

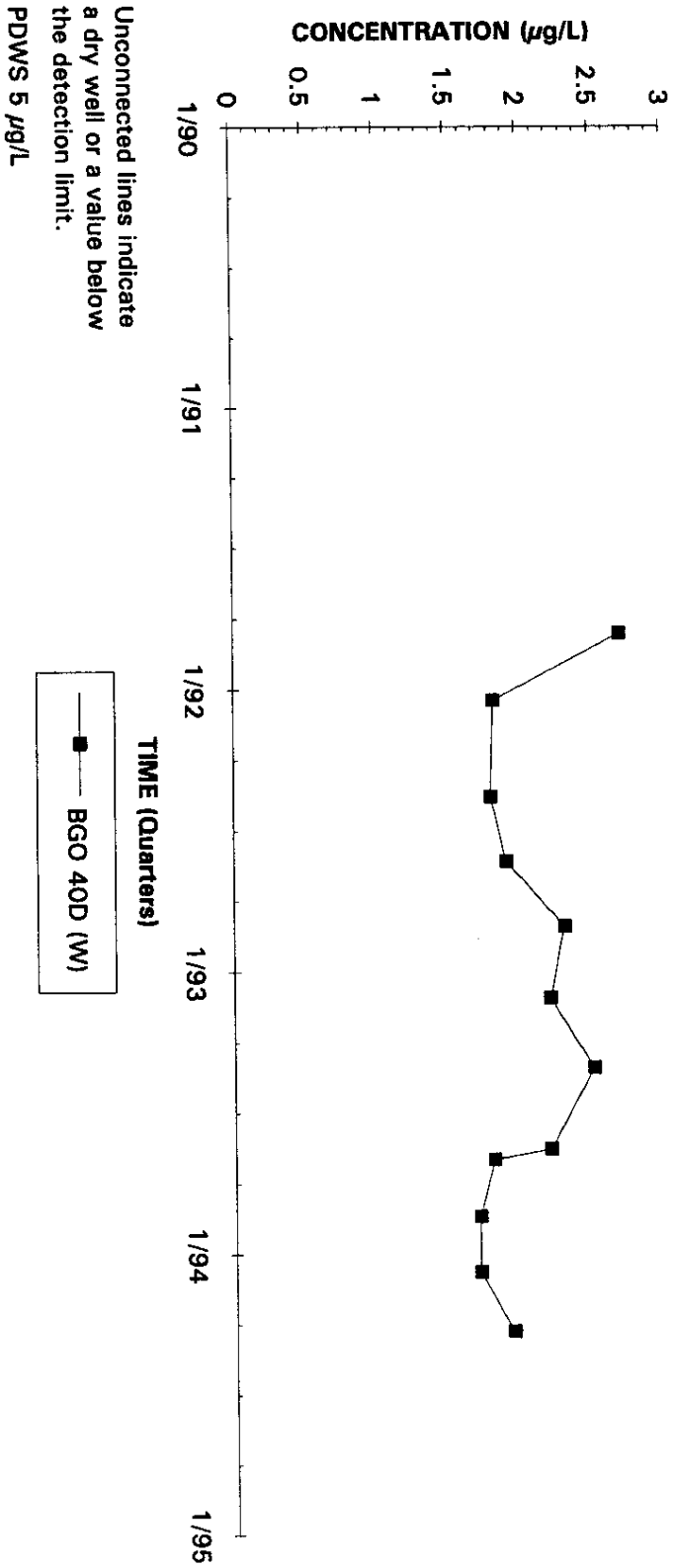


Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWVF

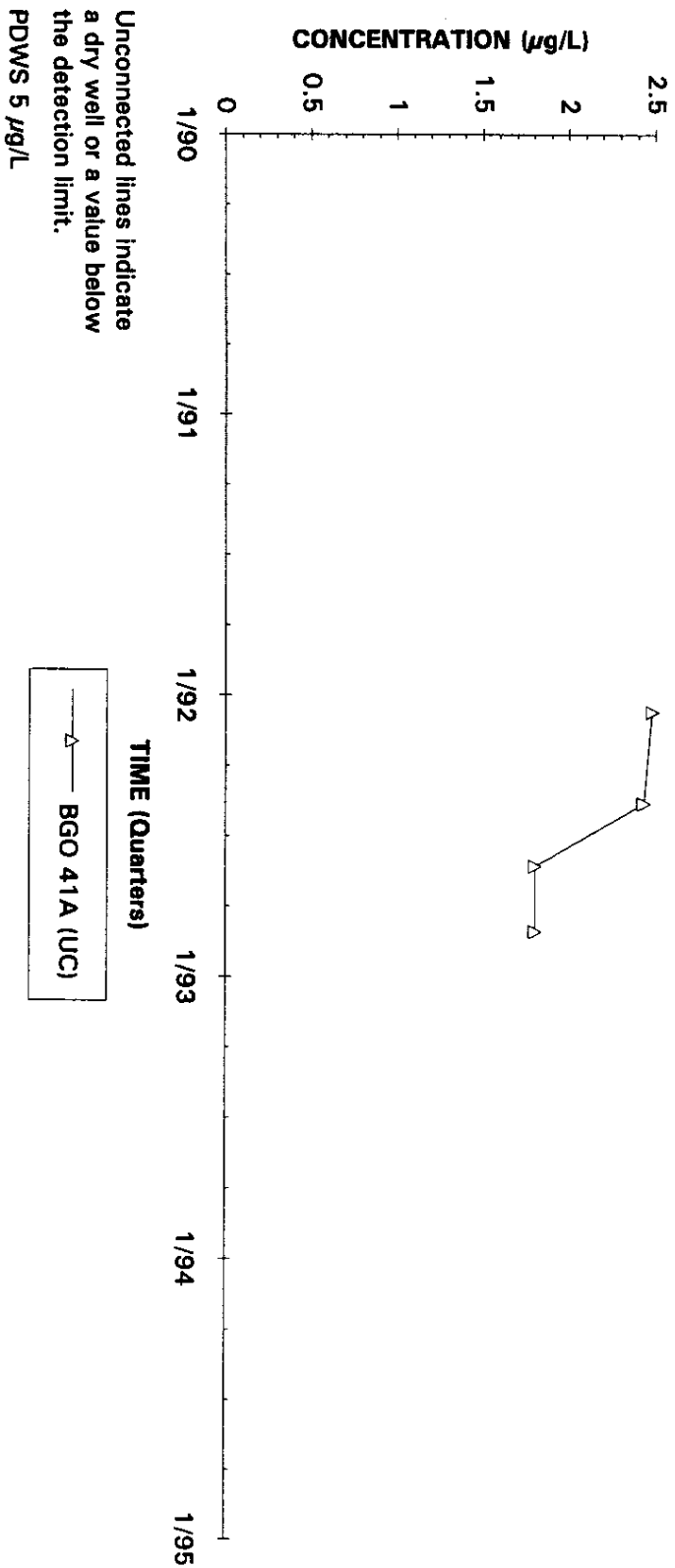
Second Quarter 1994

Trichloroethylene Concentrations Well BGO 40D



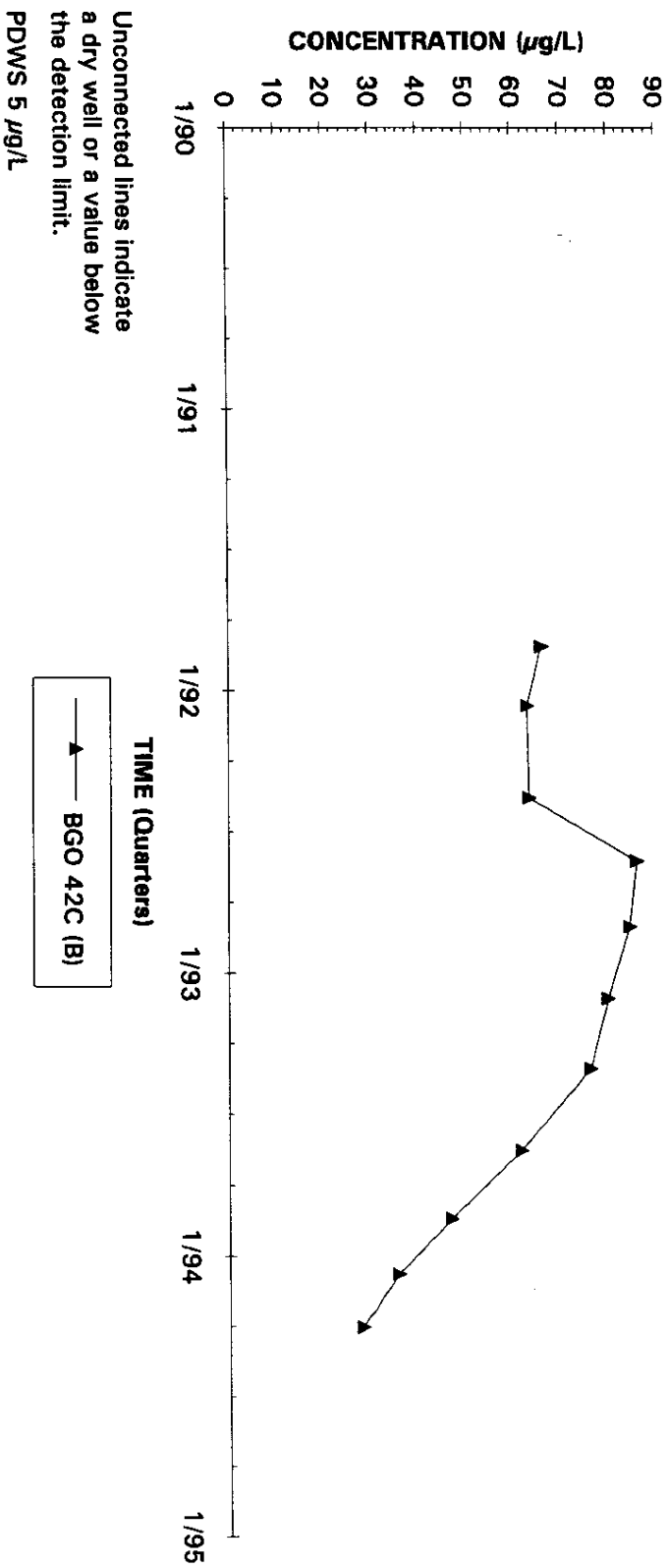
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 41A



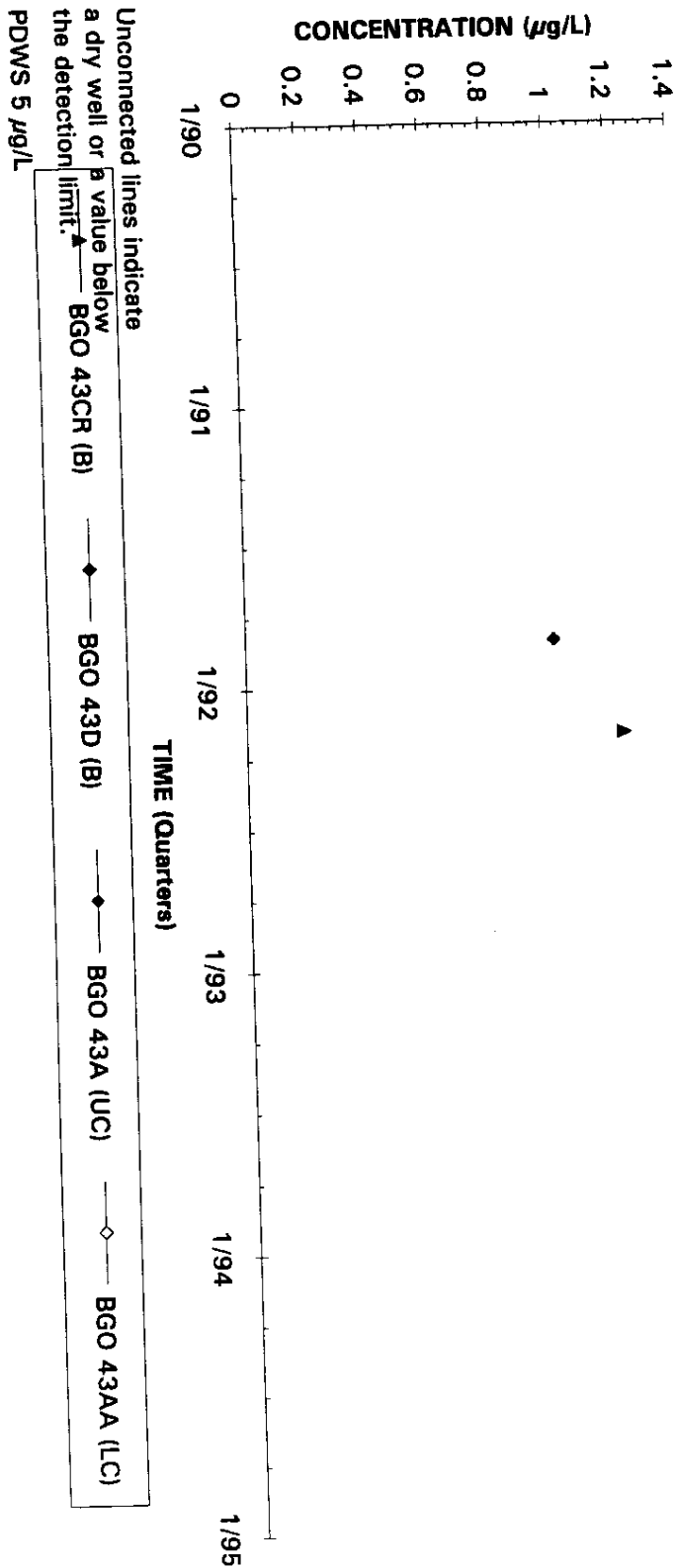
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 42C



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 43

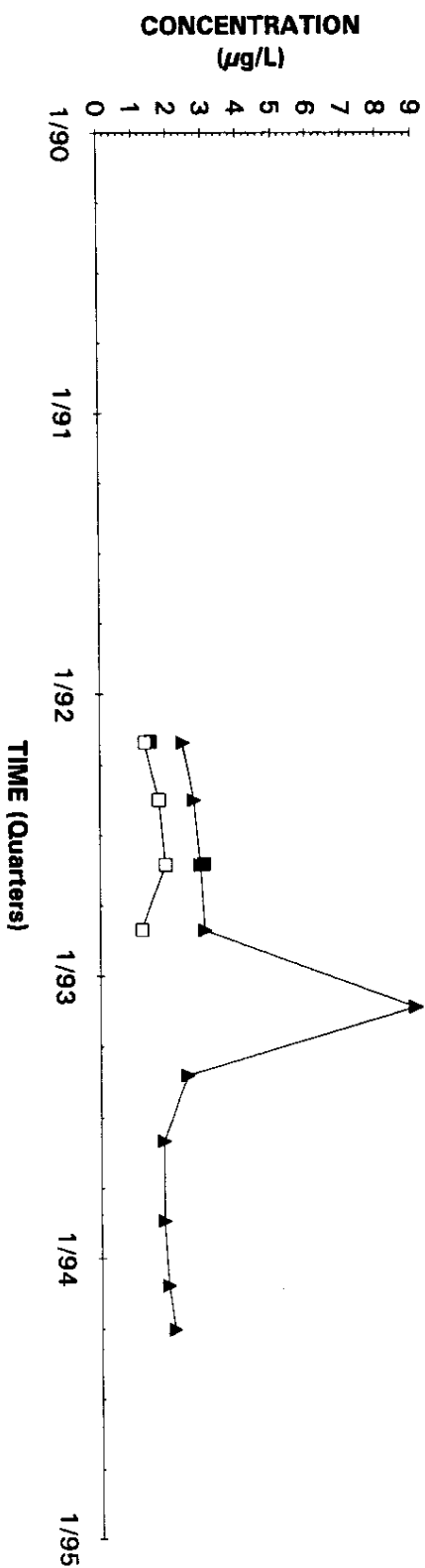


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

Second Quarter 1994

Trichloroethylene Concentrations Well Cluster BGO 44

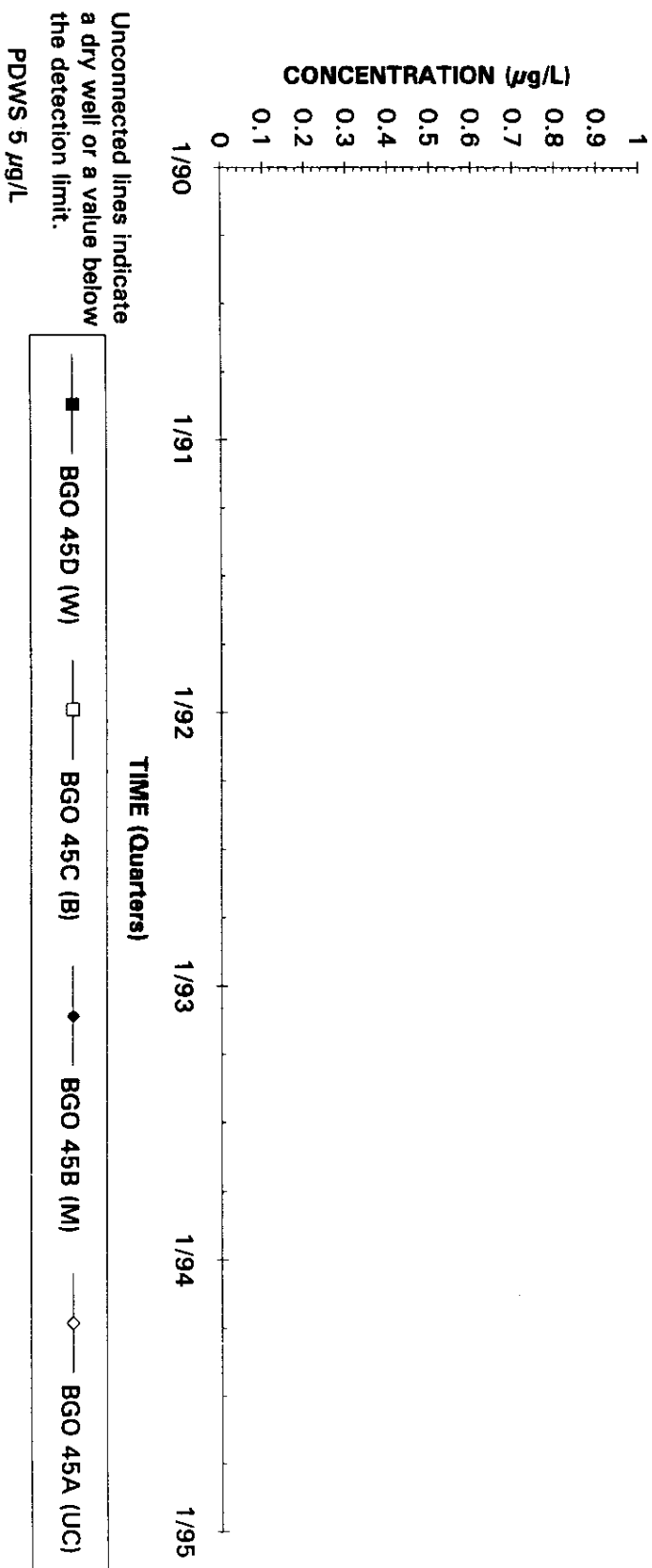


Unconnected lines indicate a dry well or a value below the detection limit.

PDWS 5 µg/L

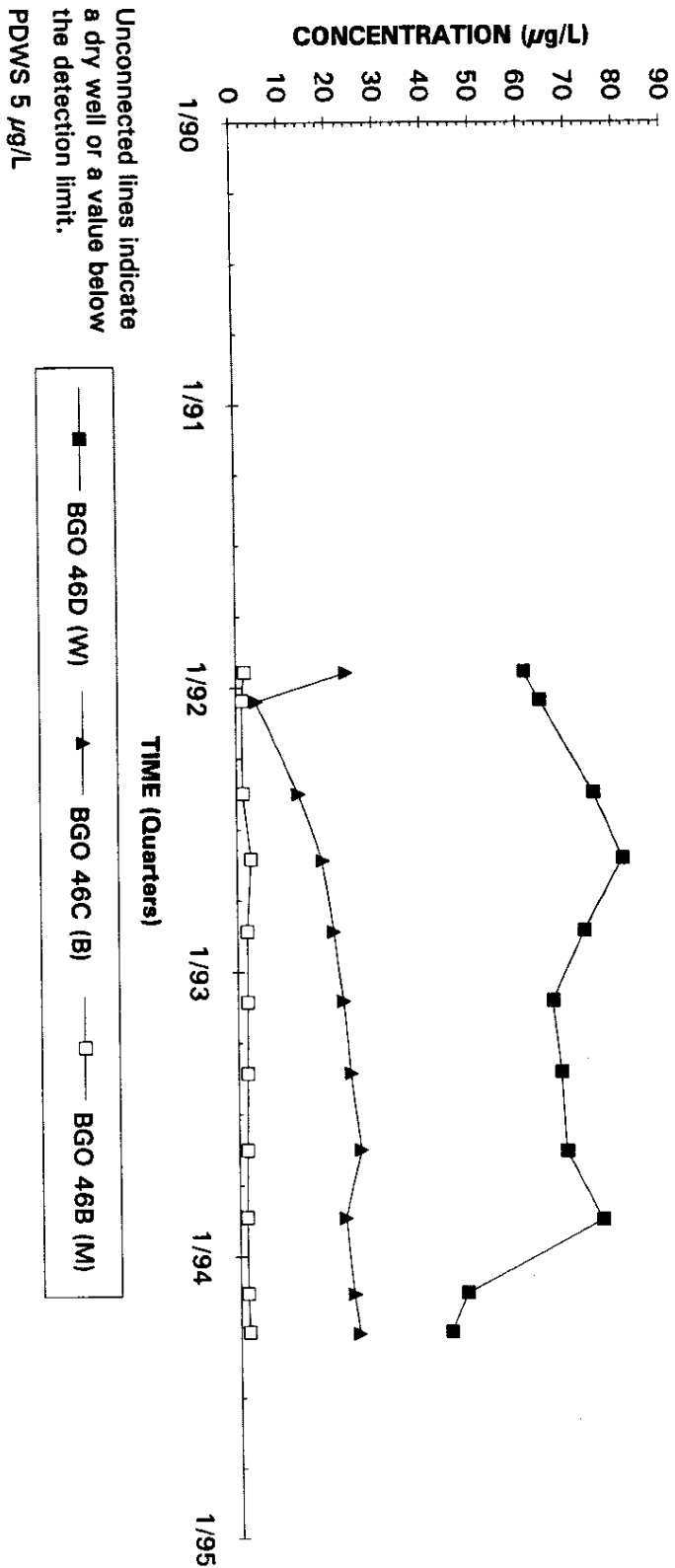
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 45



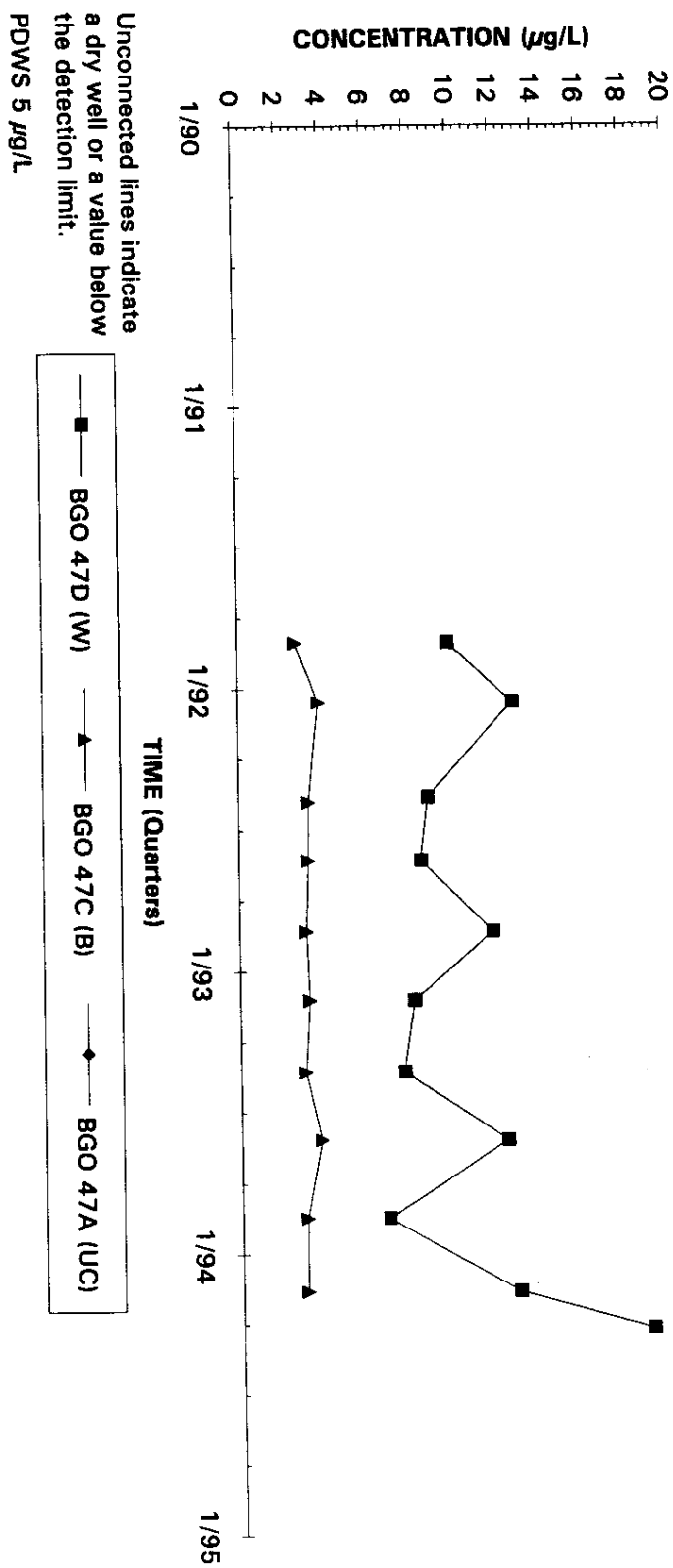
Note: W=Water Table (IIB2); B=Barrwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 46



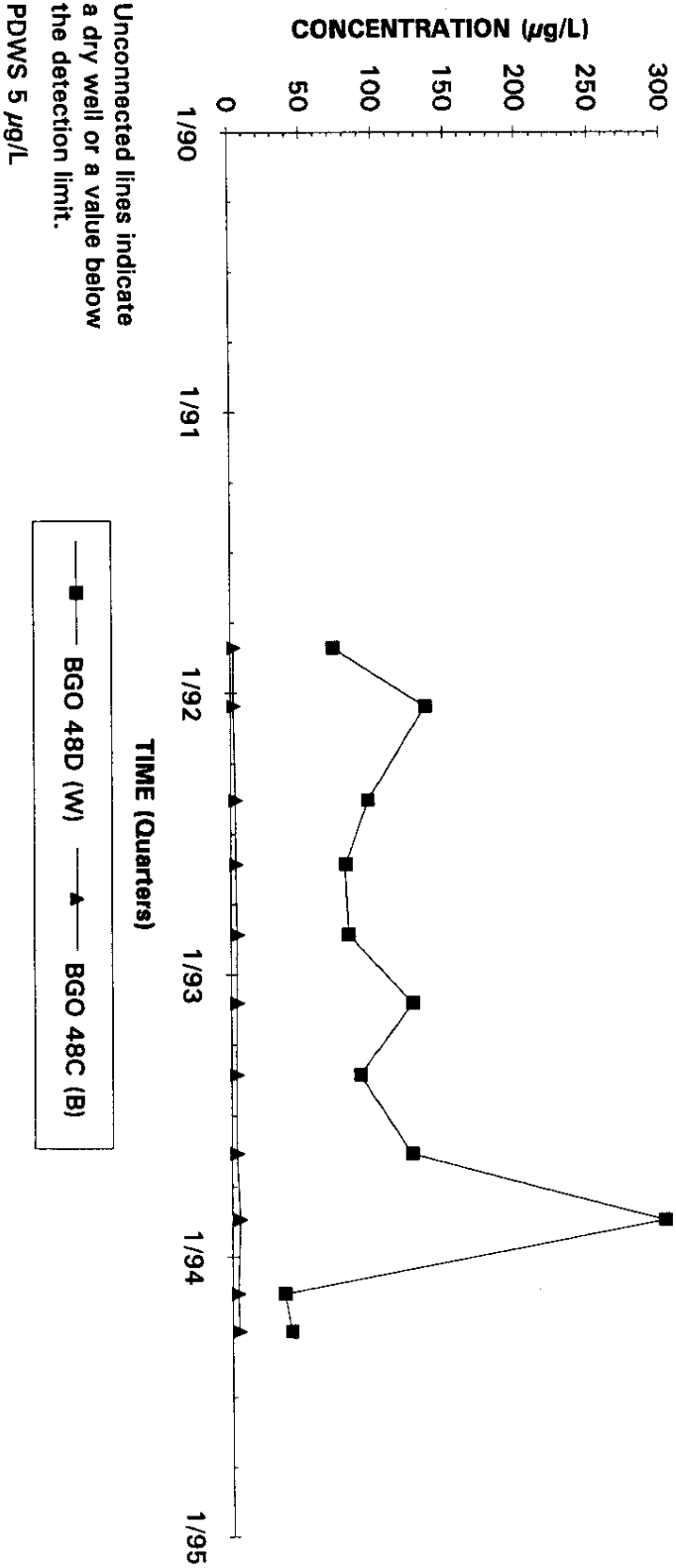
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 47



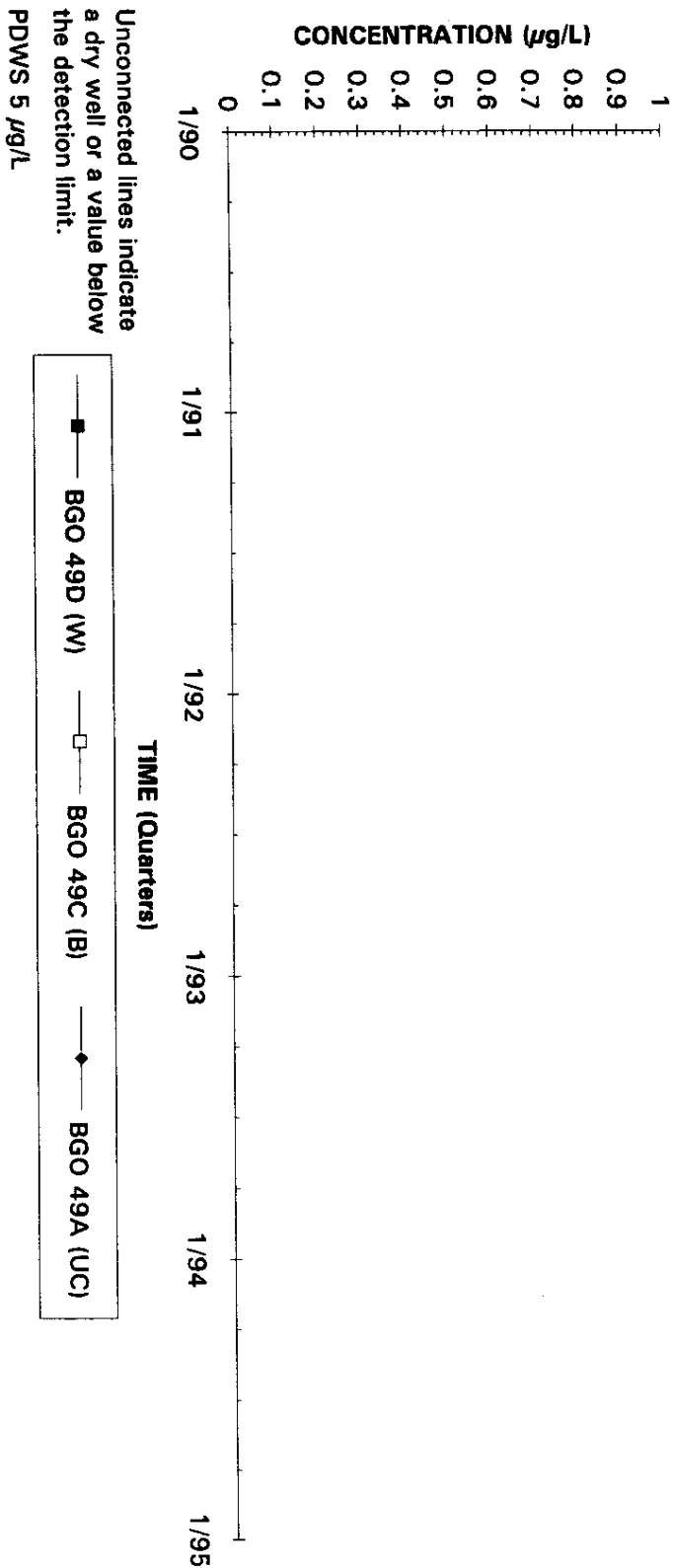
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 48



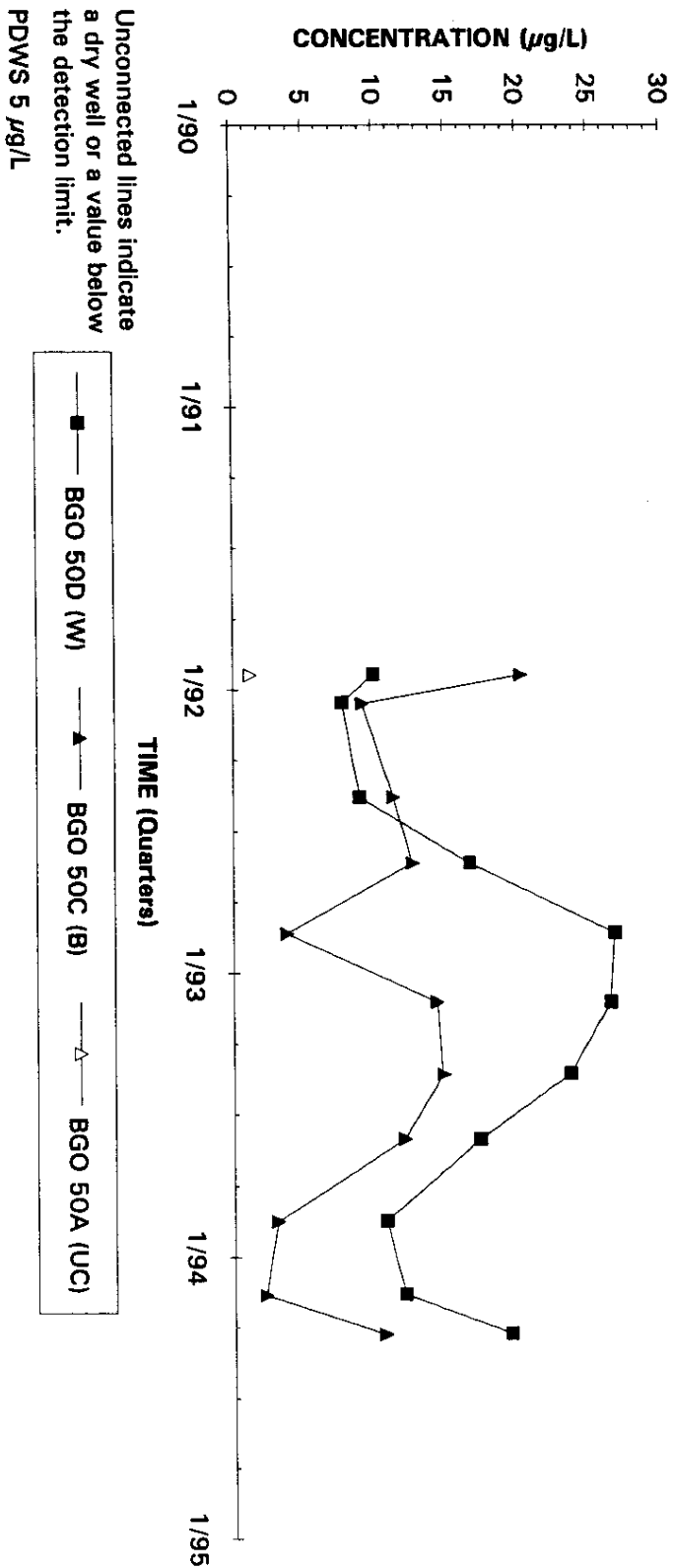
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 49



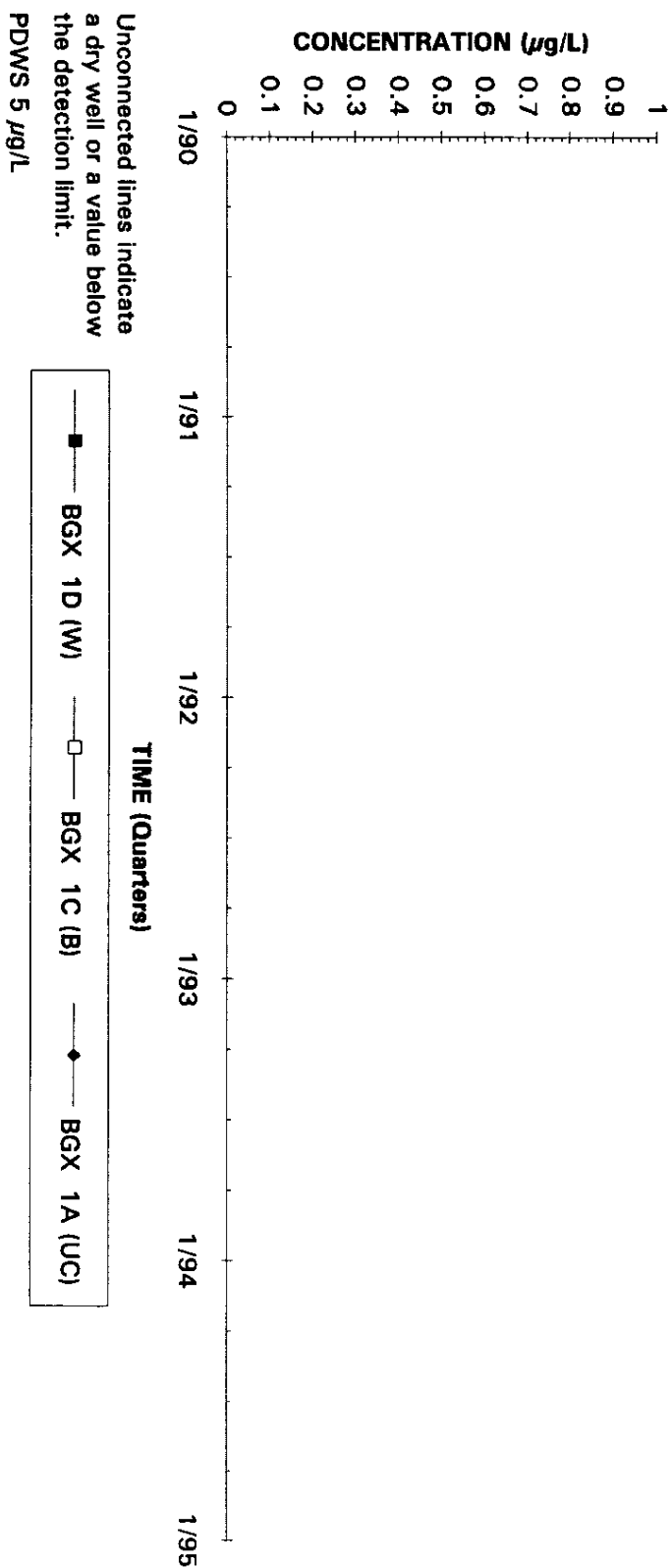
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 50



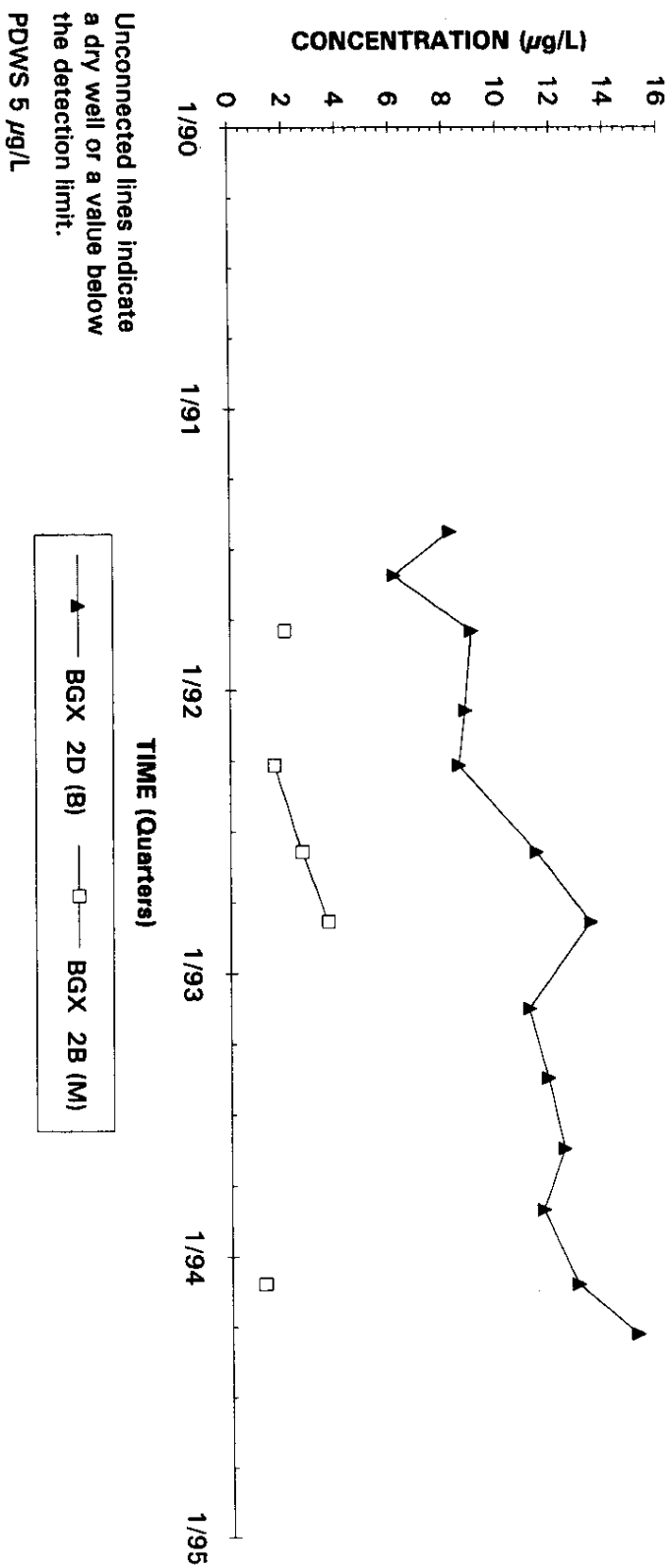
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 1



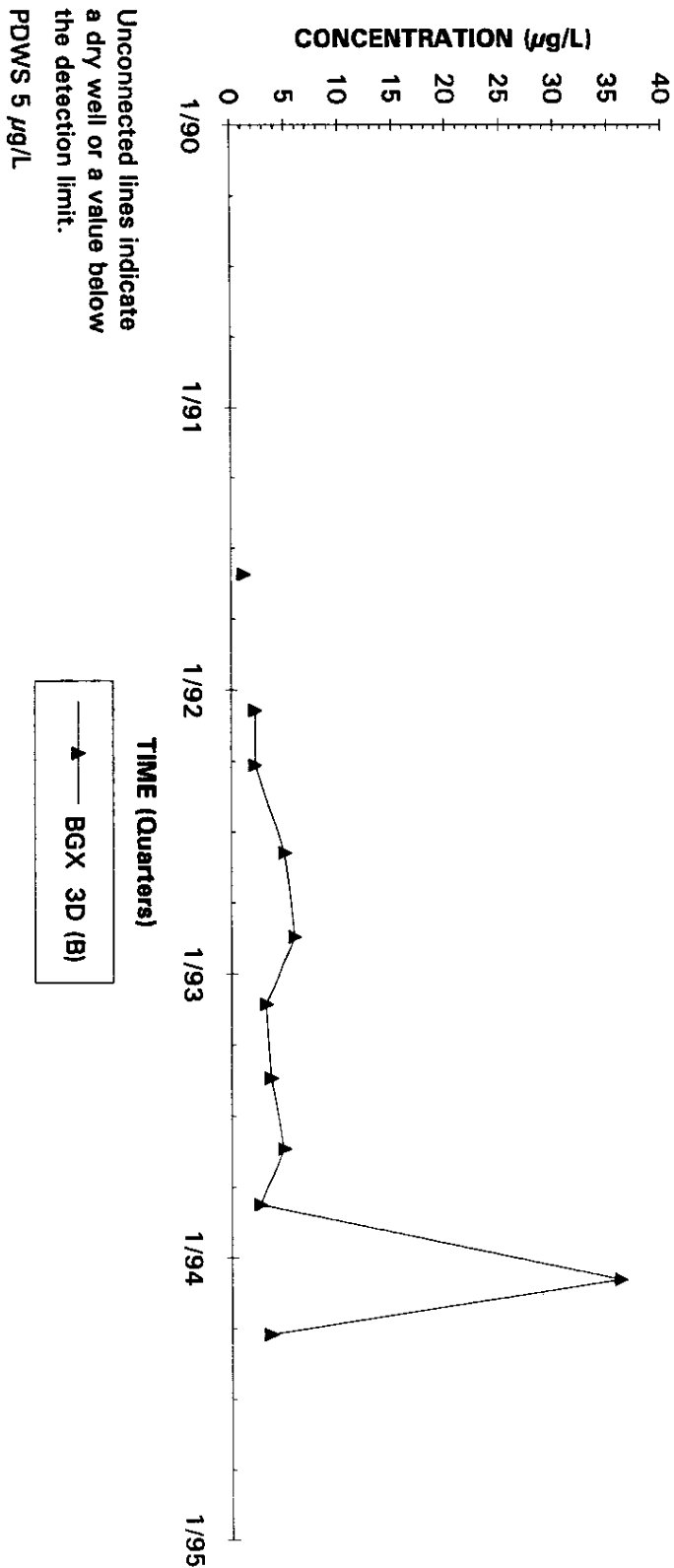
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 2



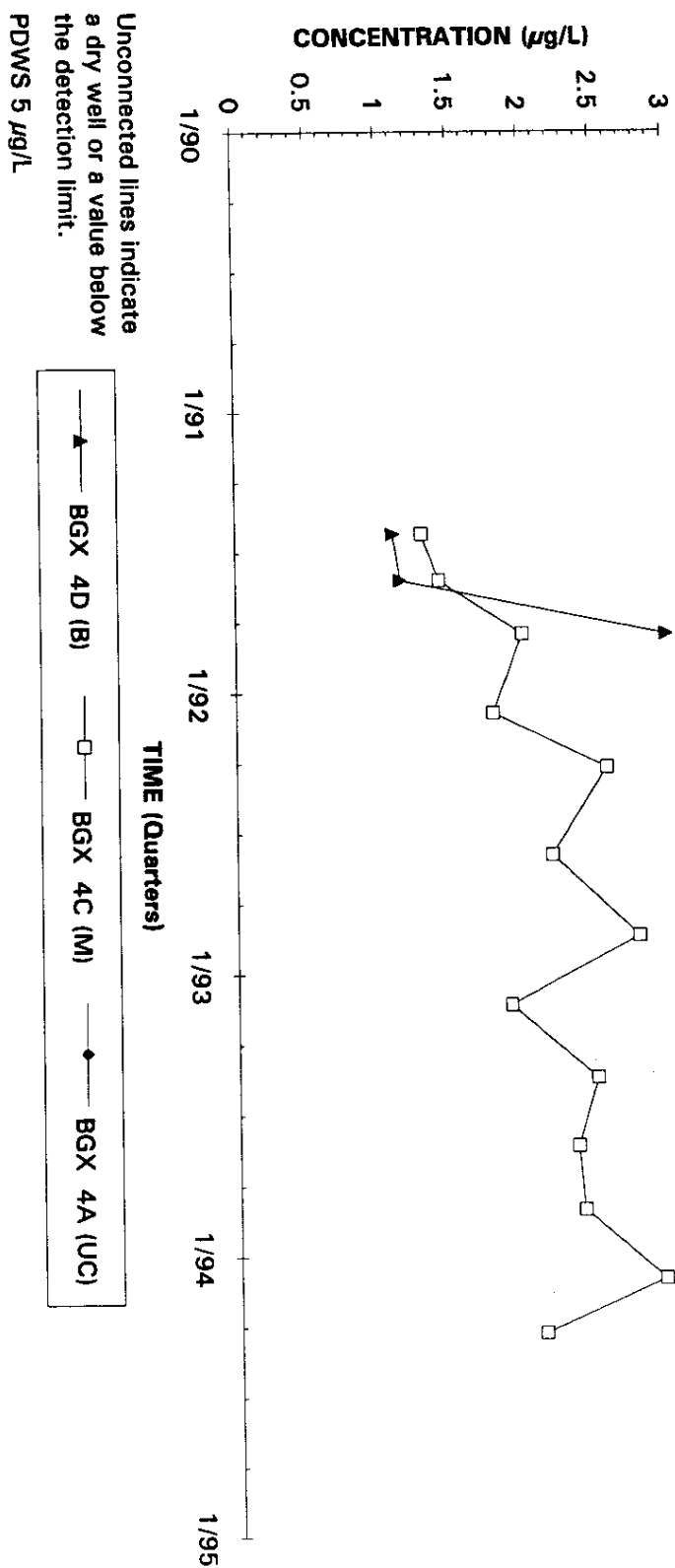
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 3D



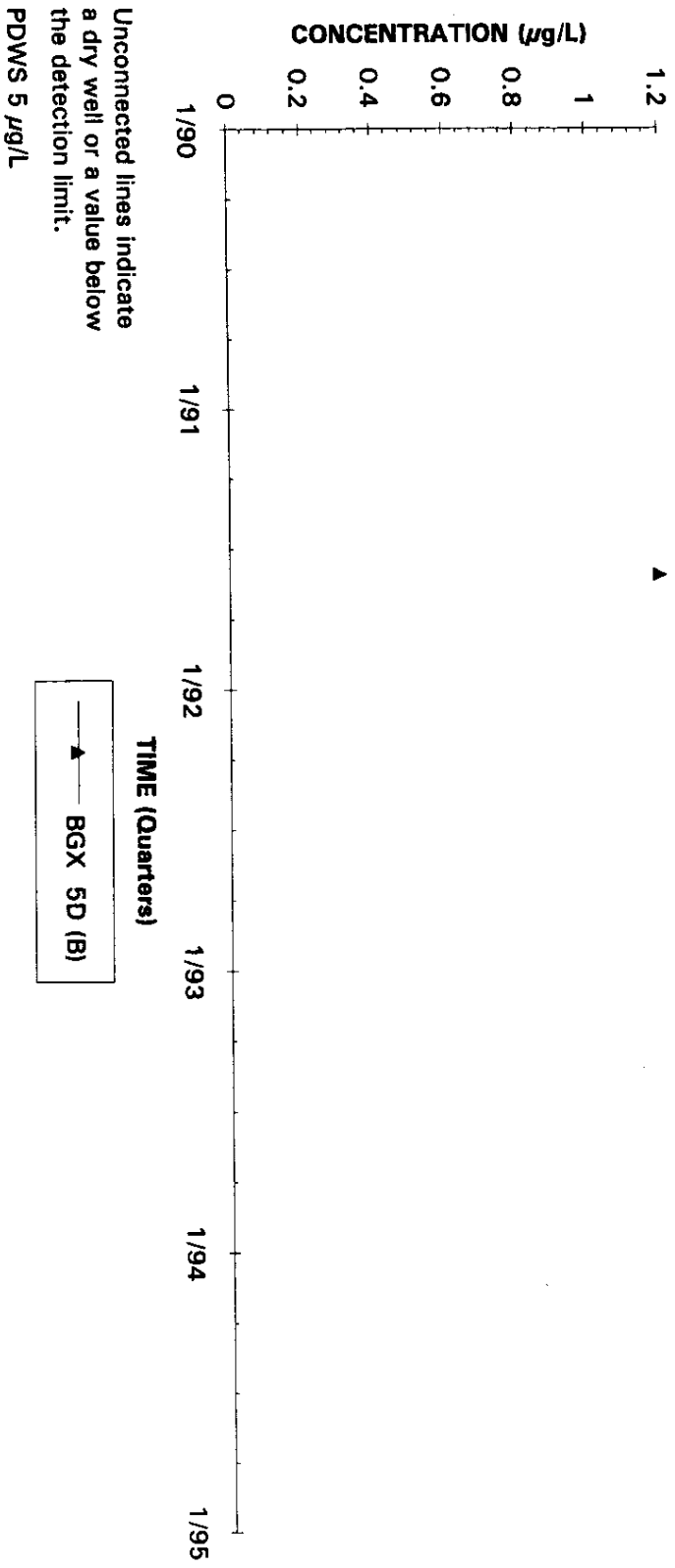
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 4



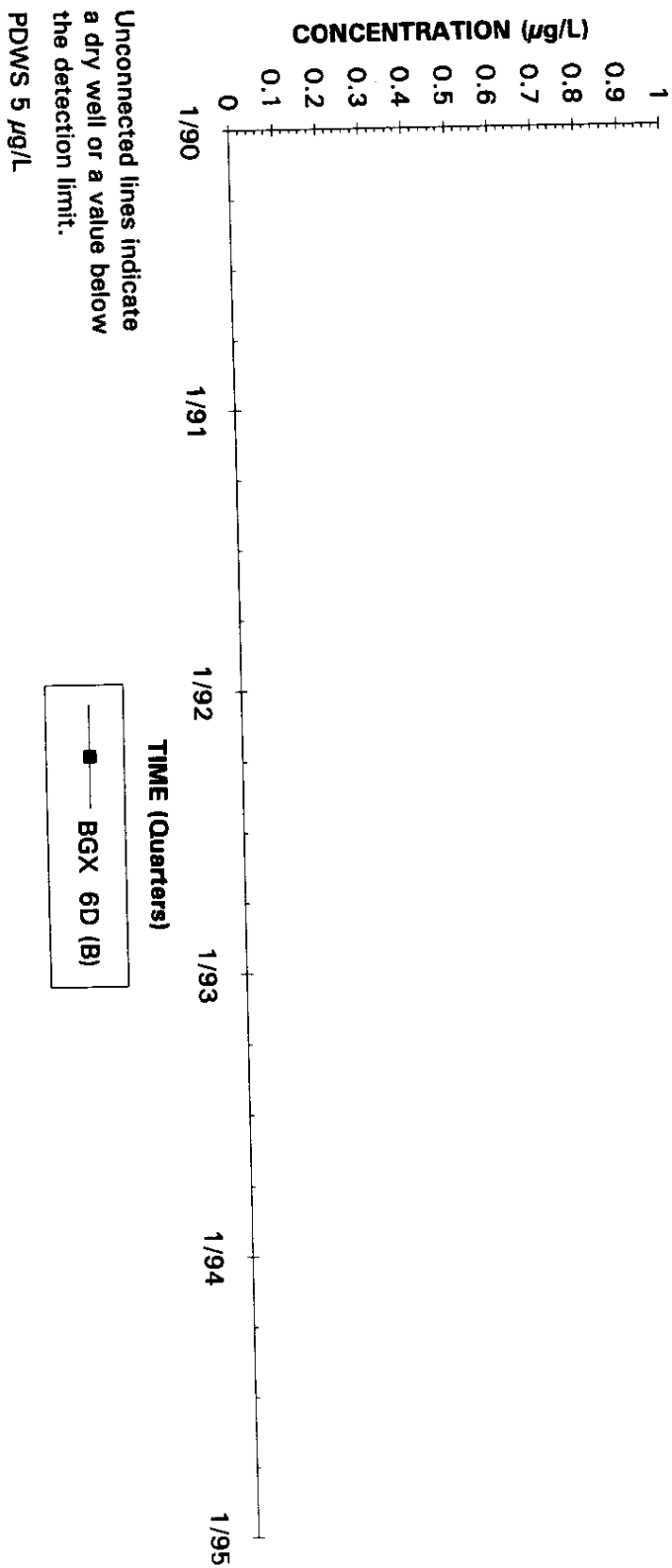
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 5D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 6D

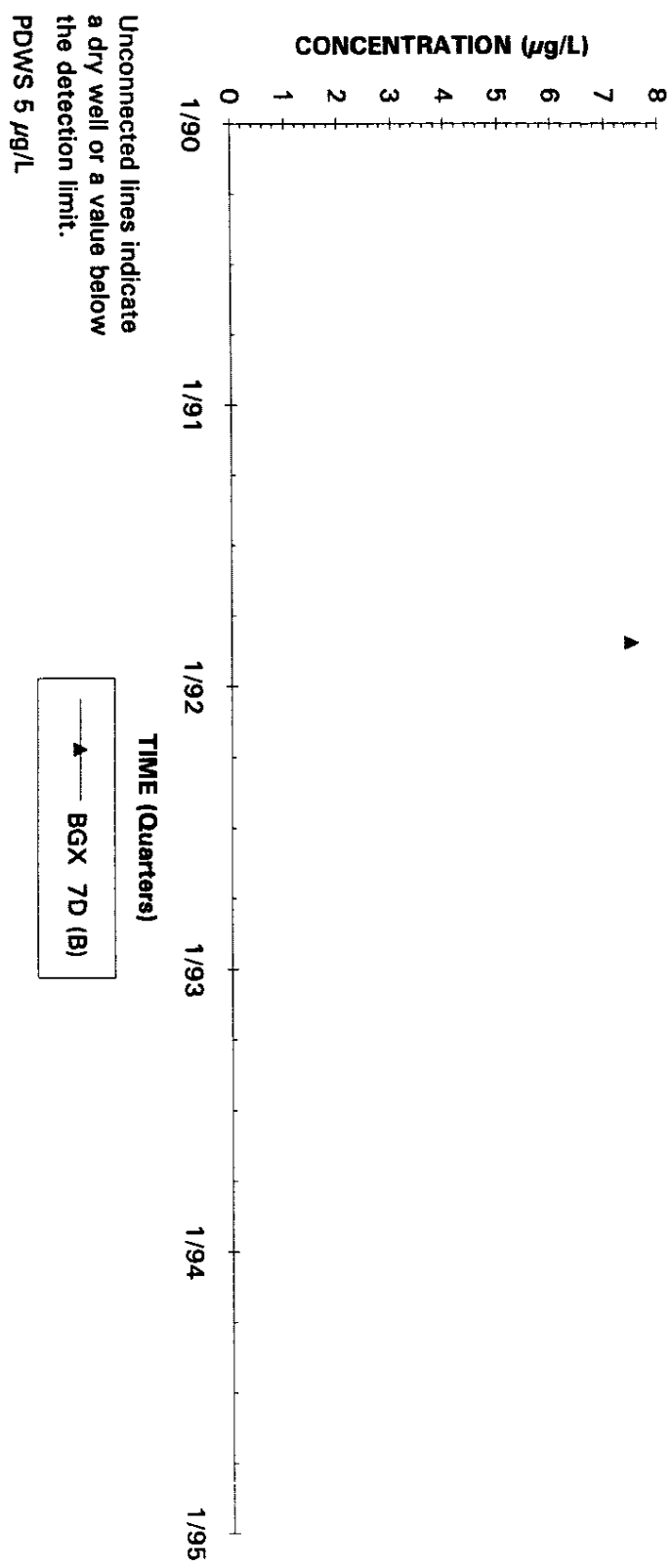


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

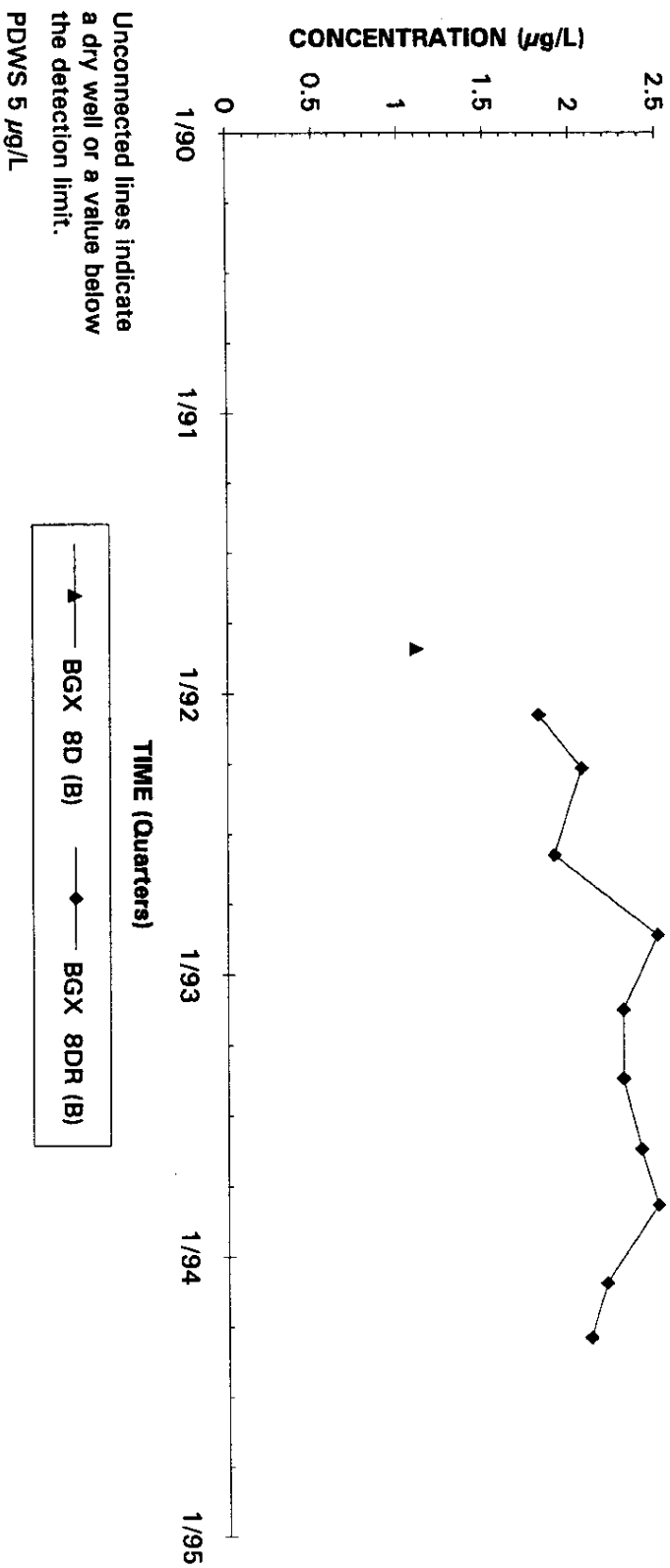
Second Quarter 1994

Trichloroethylene Concentrations Well BGX 7D



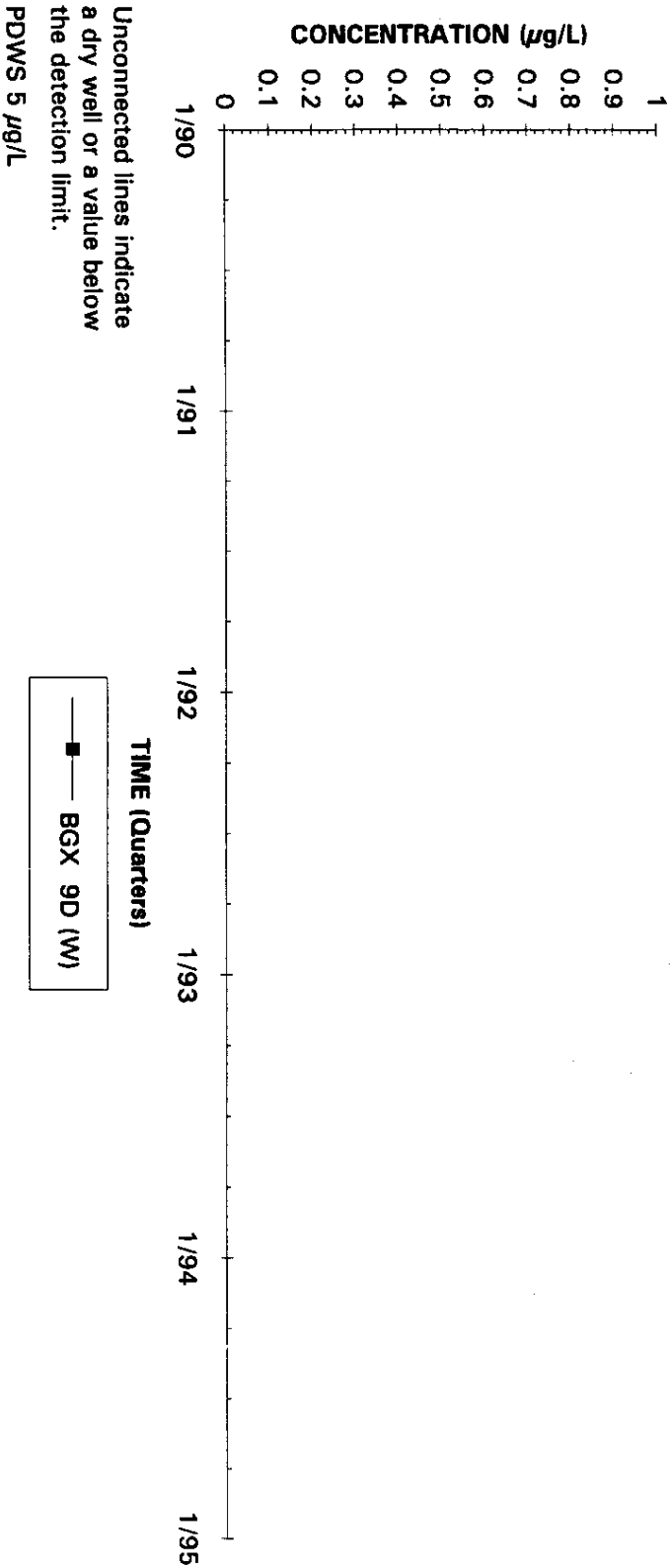
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 8



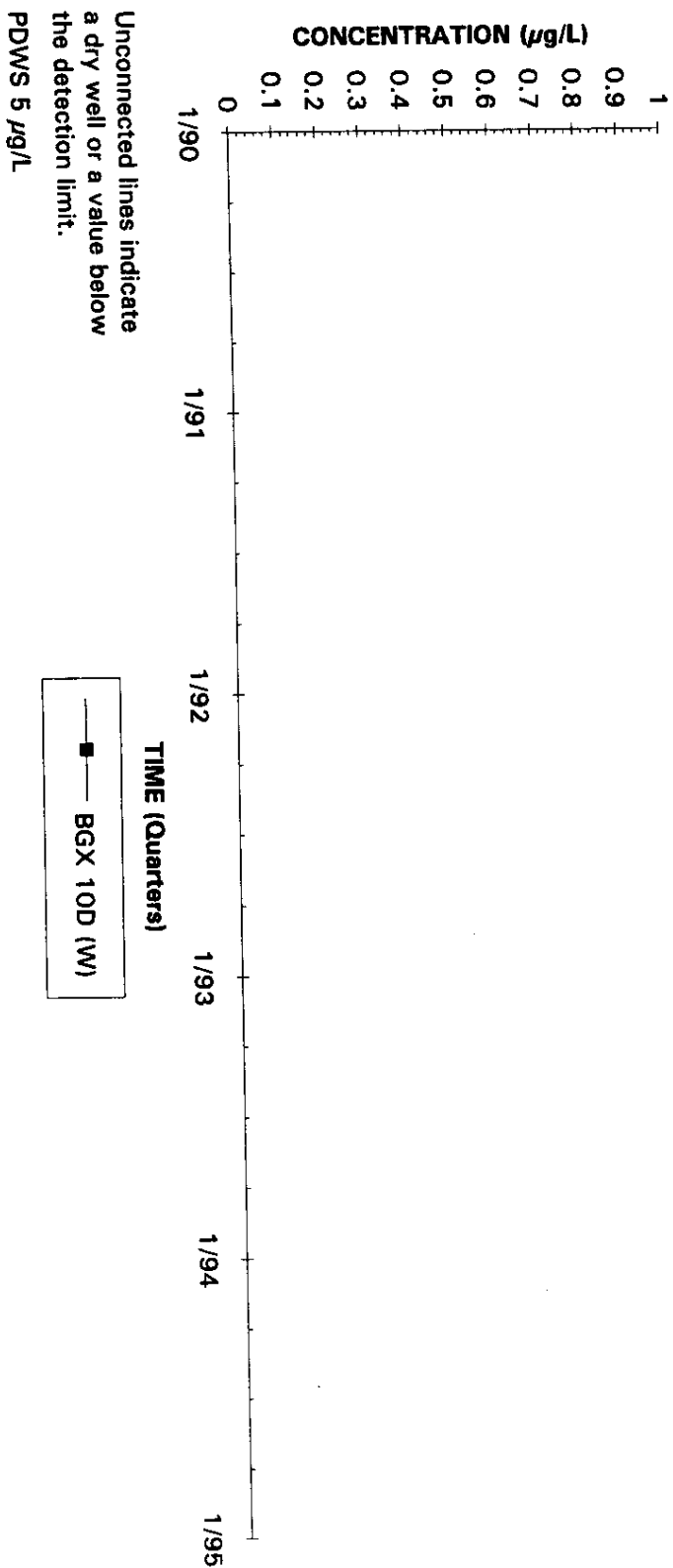
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 9D



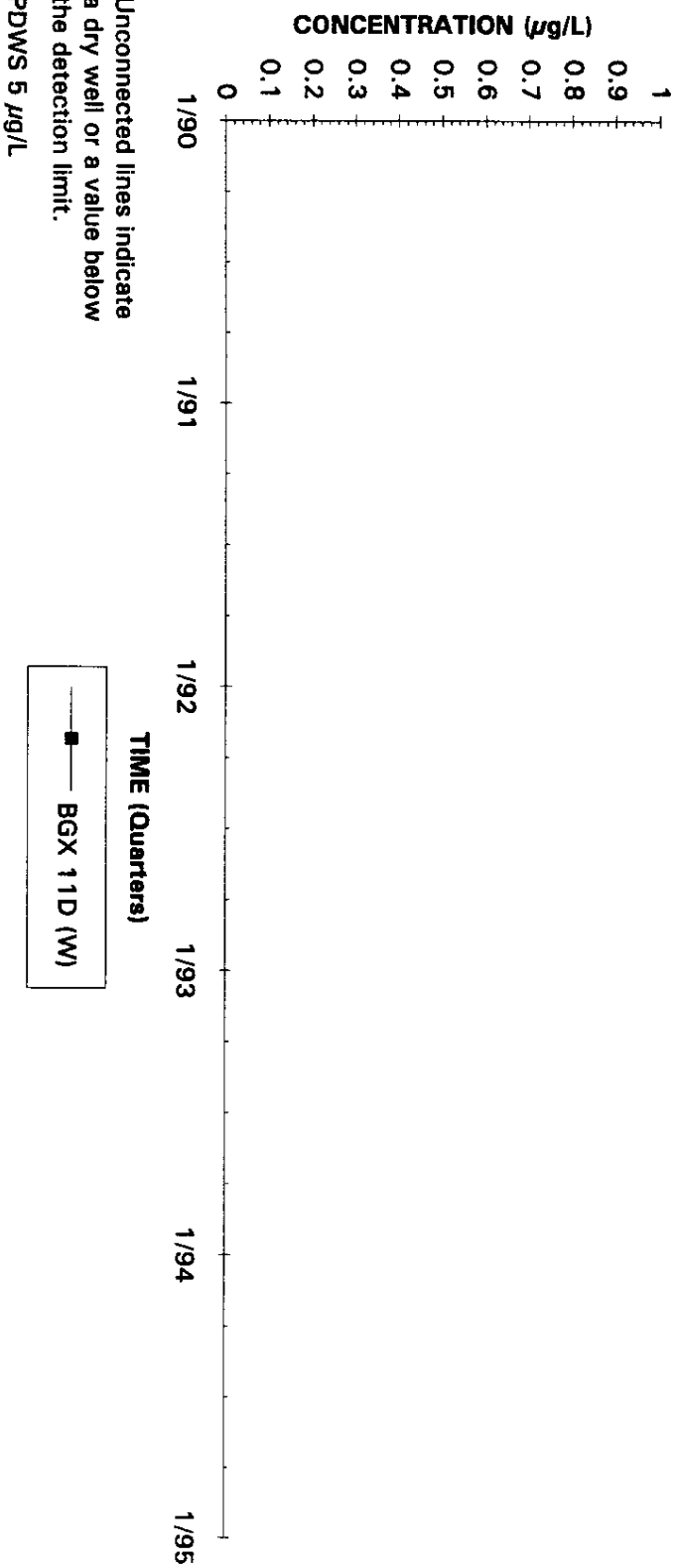
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 10D



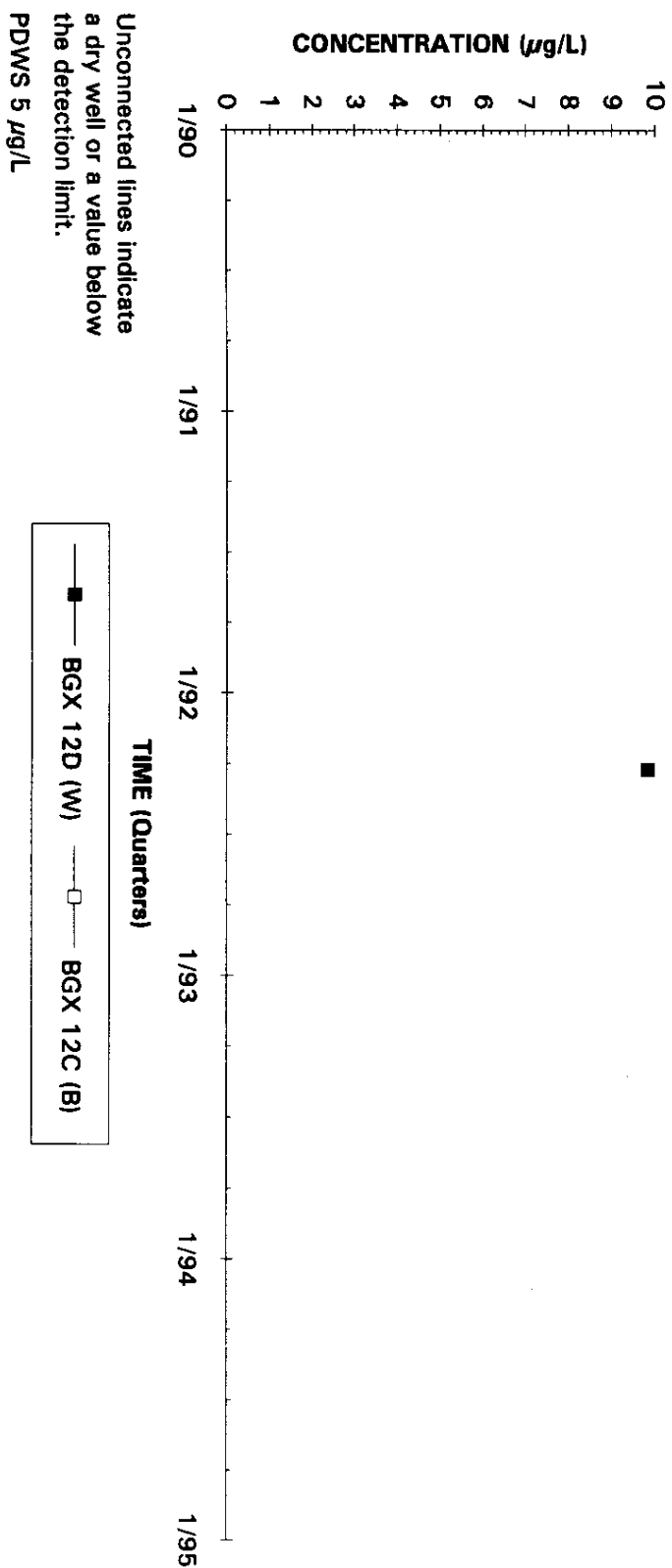
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 11D



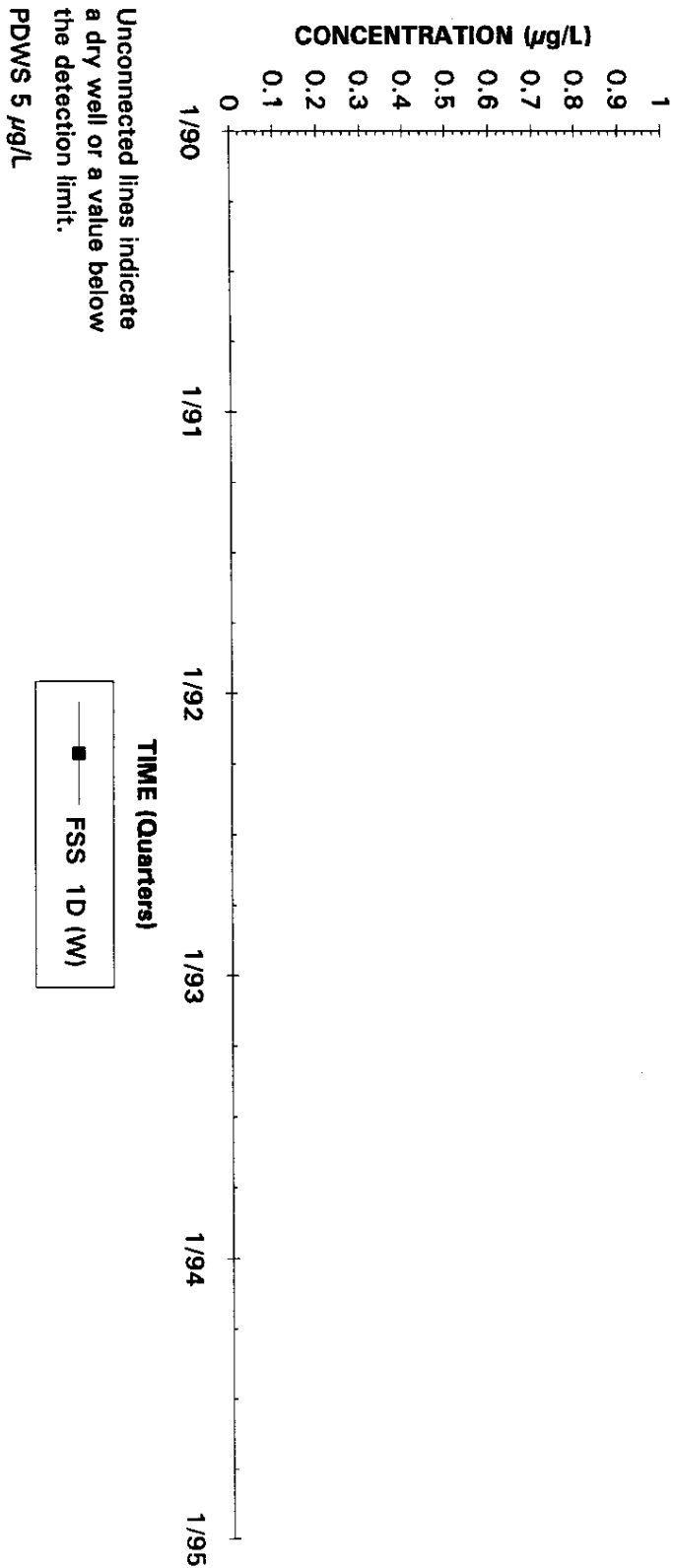
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 12



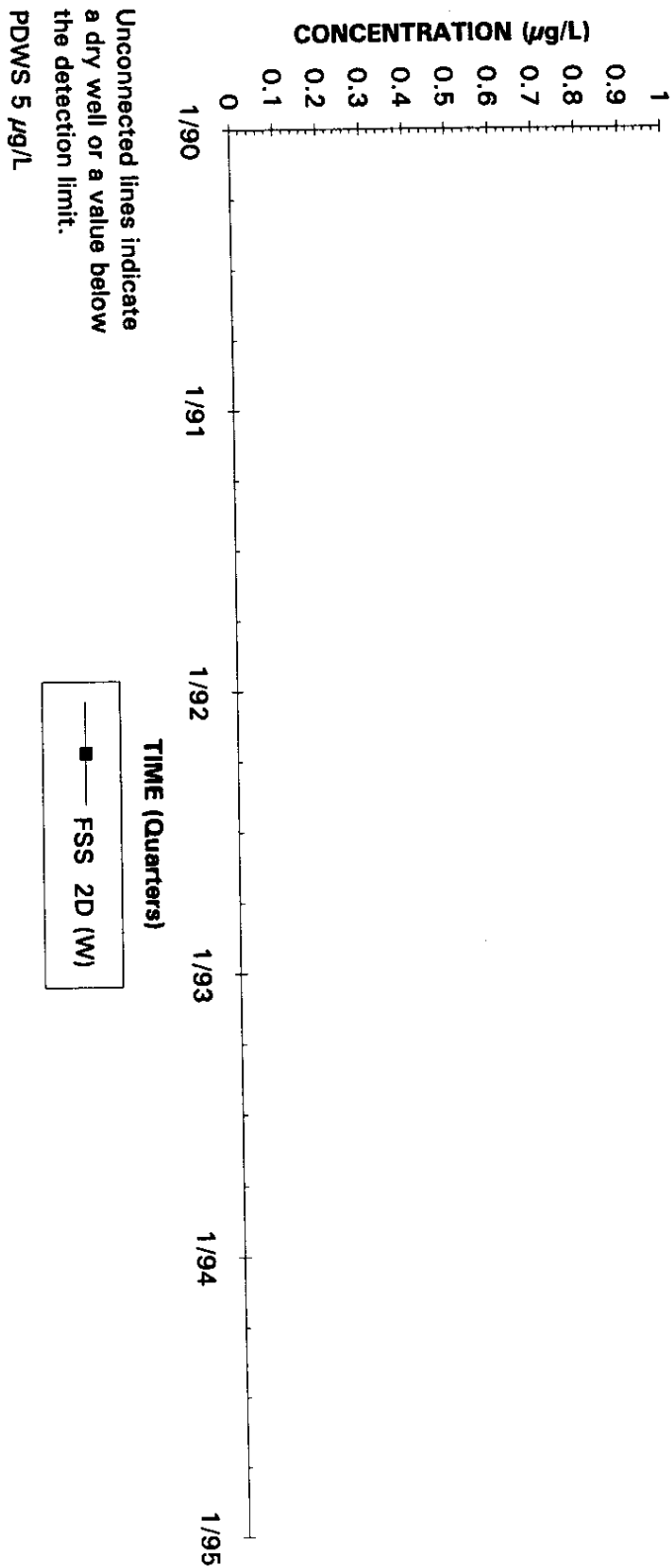
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well FSS 1D



Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well FSS 2D

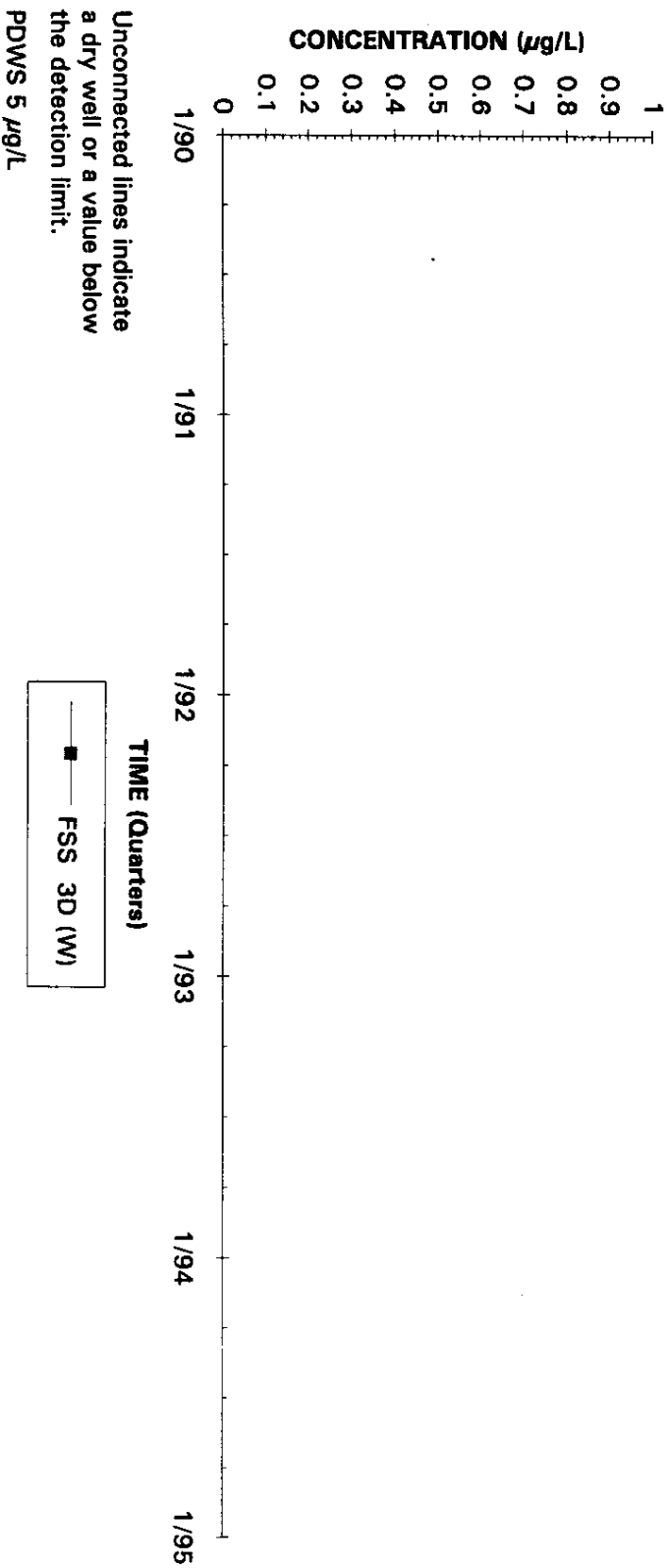


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MMMF

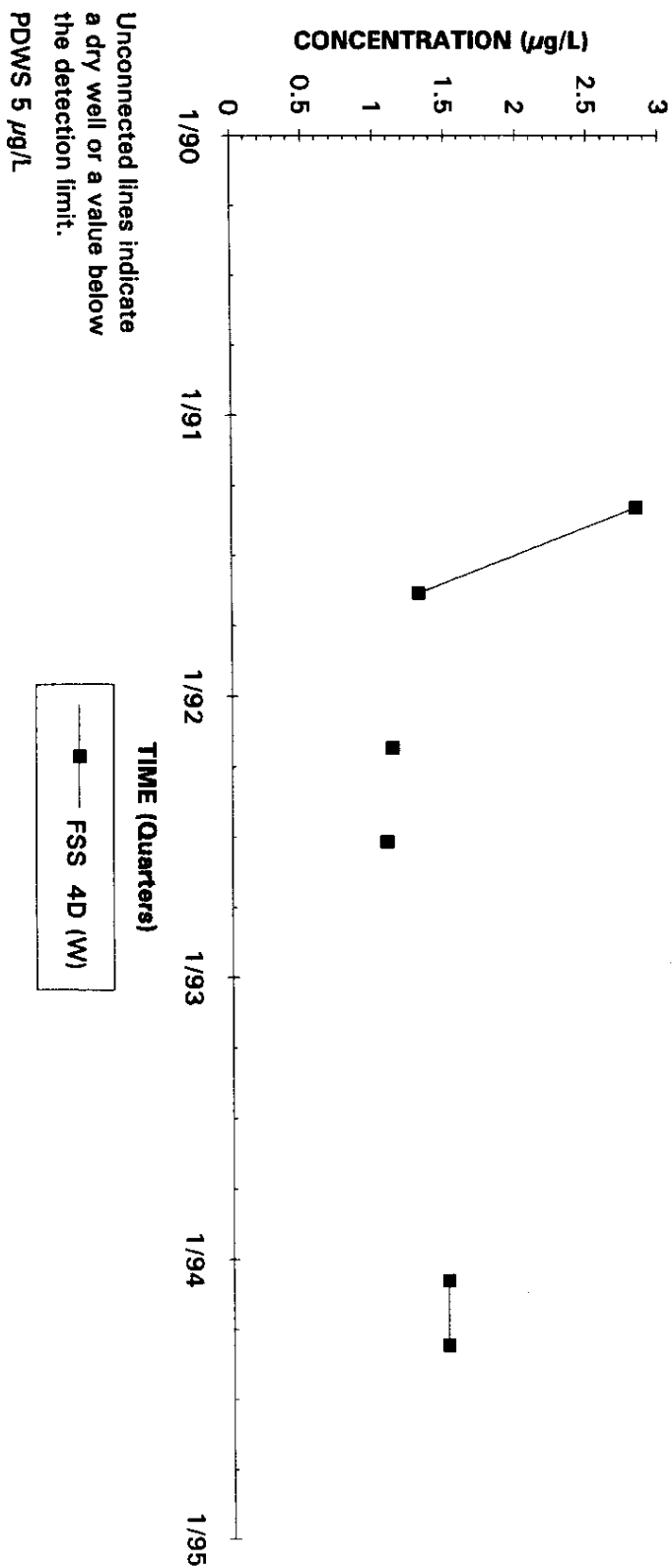
Second Quarter 1994

Trichloroethylene Concentrations Well FSS 3D



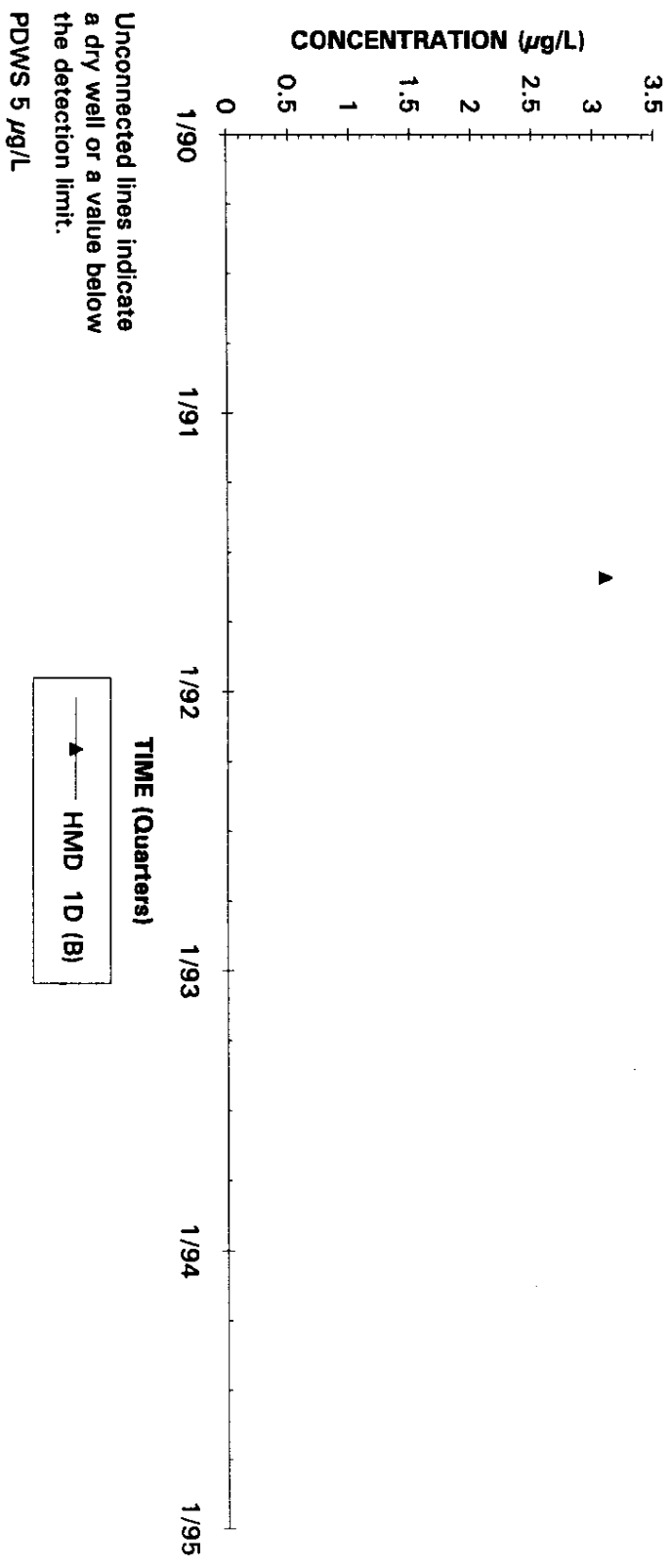
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well FSS 4D



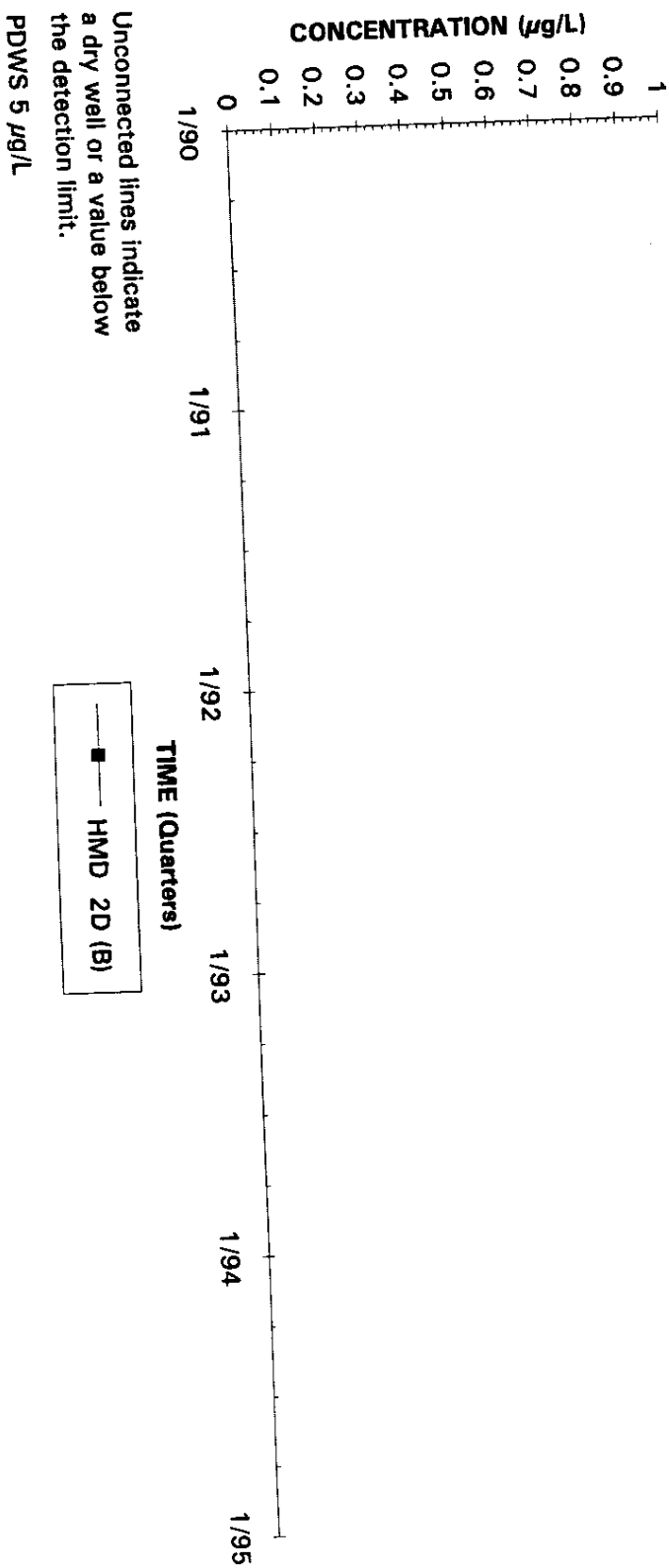
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well HMD 1D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well HMD 2D

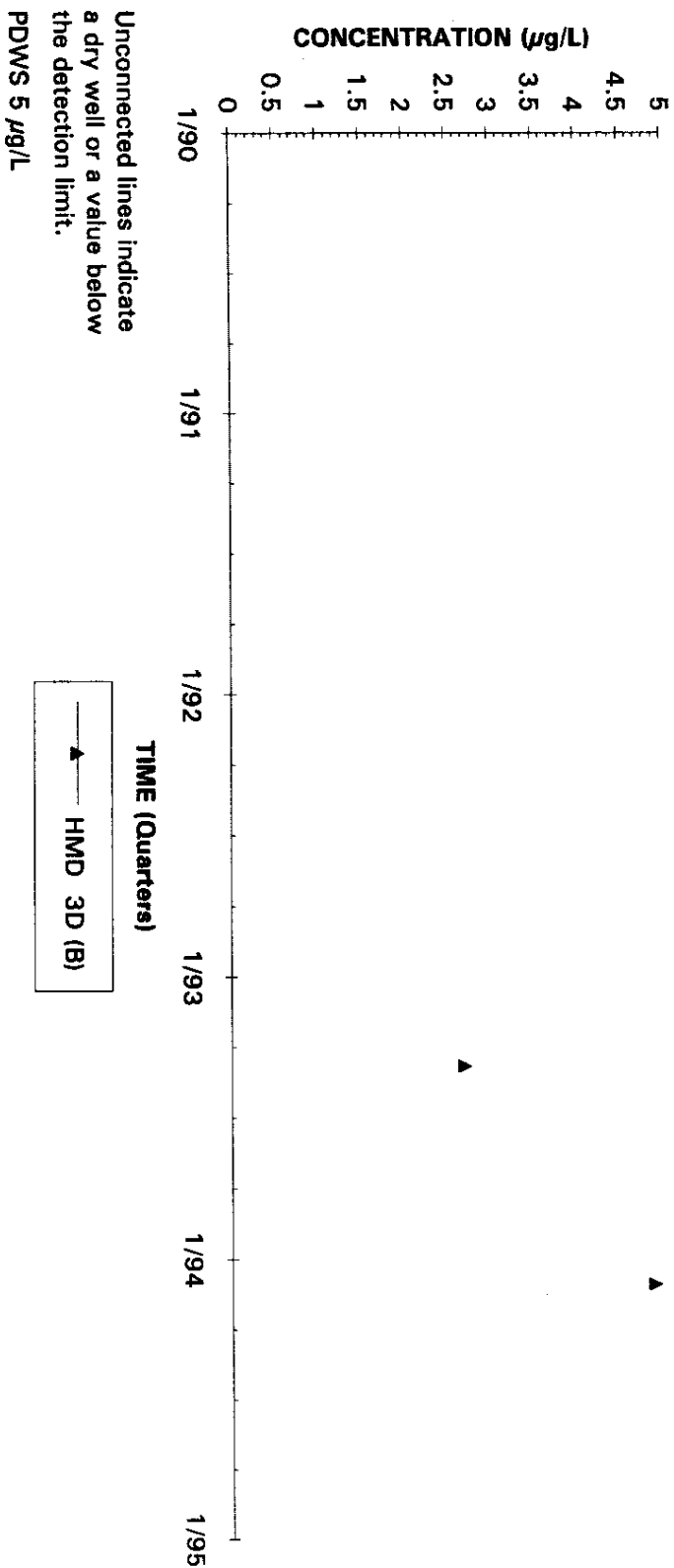


Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

MWMTF

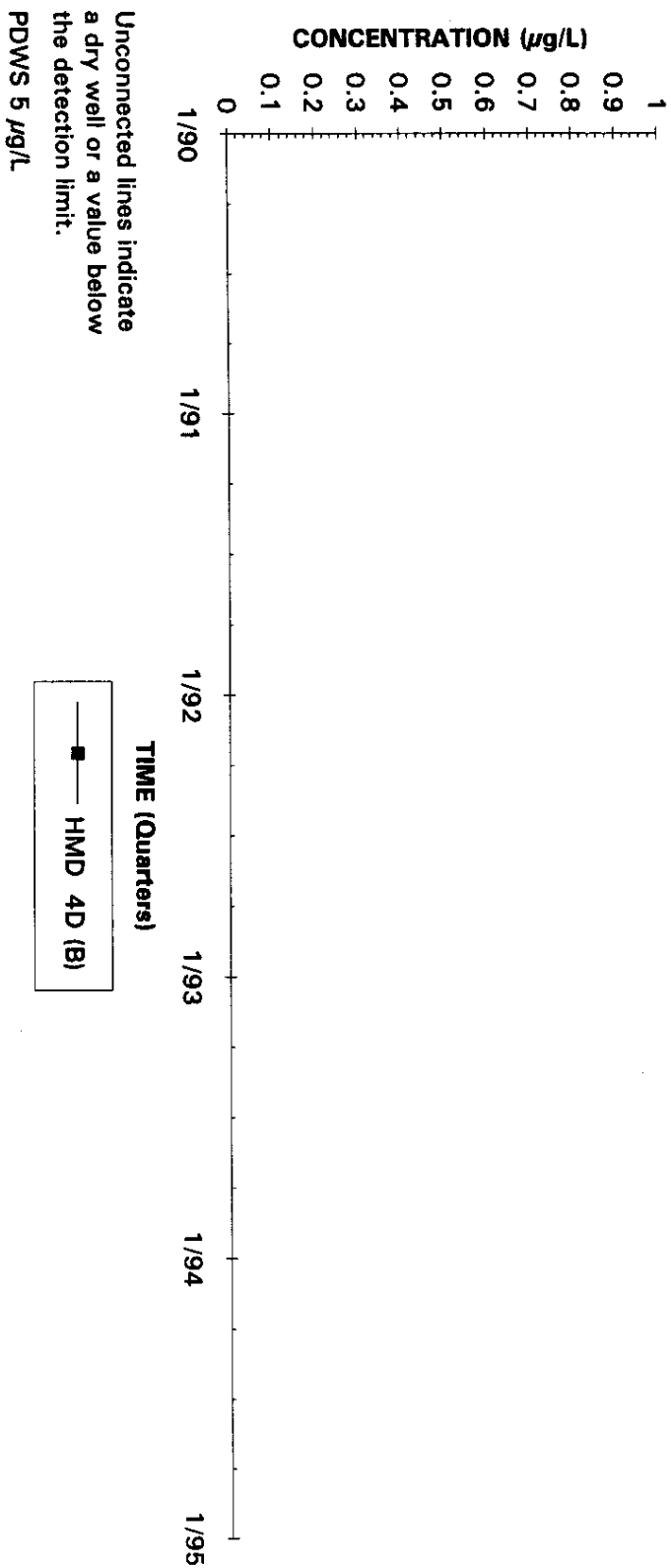
Second Quarter 1994

Trichloroethylene Concentrations Well HMD 3D



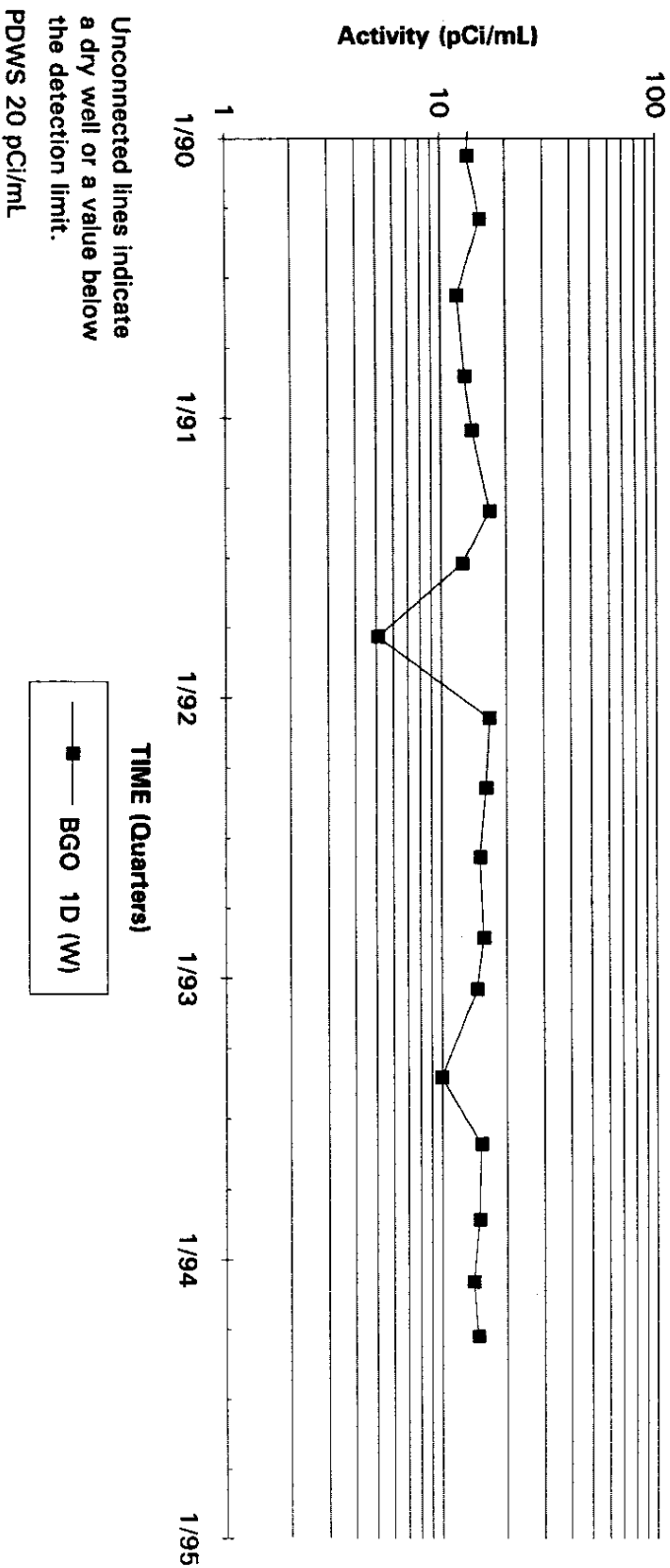
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well HMD 4D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

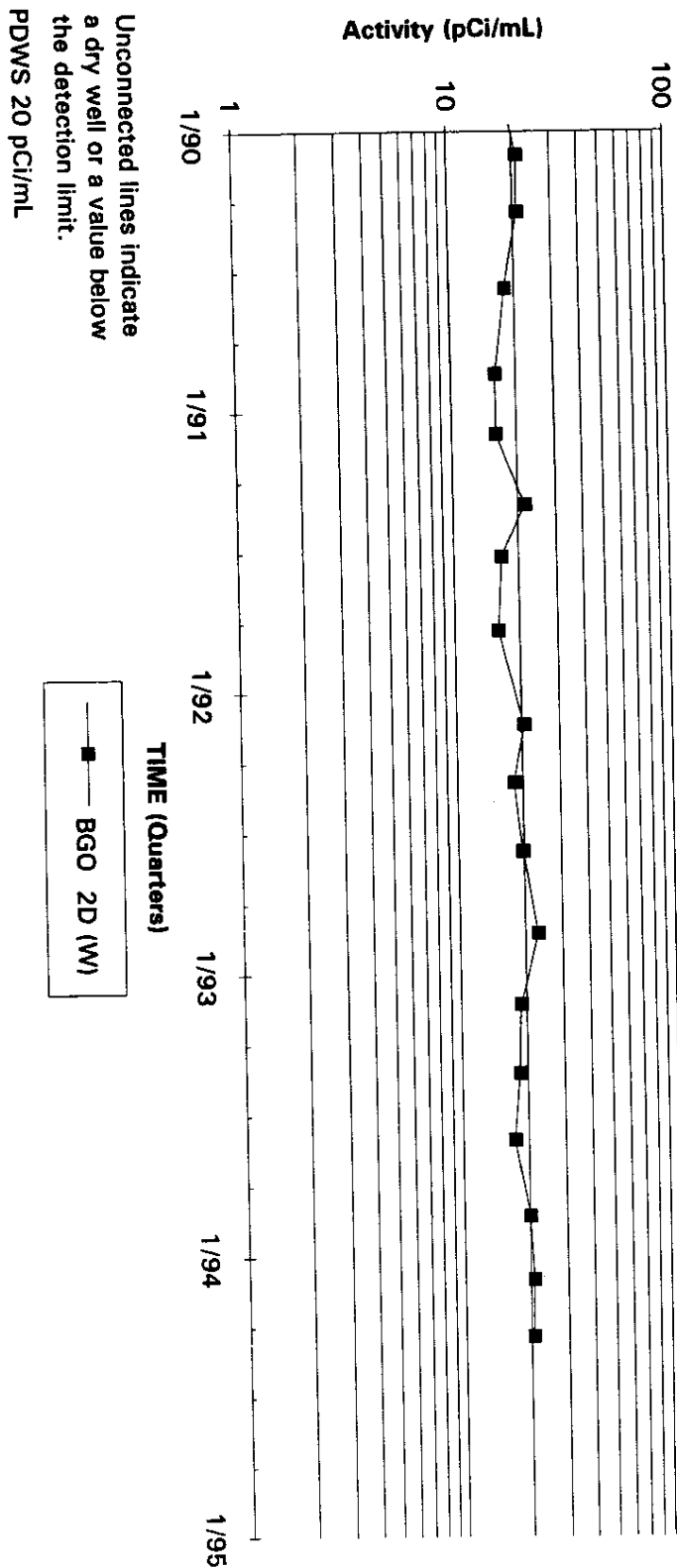
Well BGO 1D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

WWMF**Second Quarter 1994**

Tritium Activities Well BGO 2D

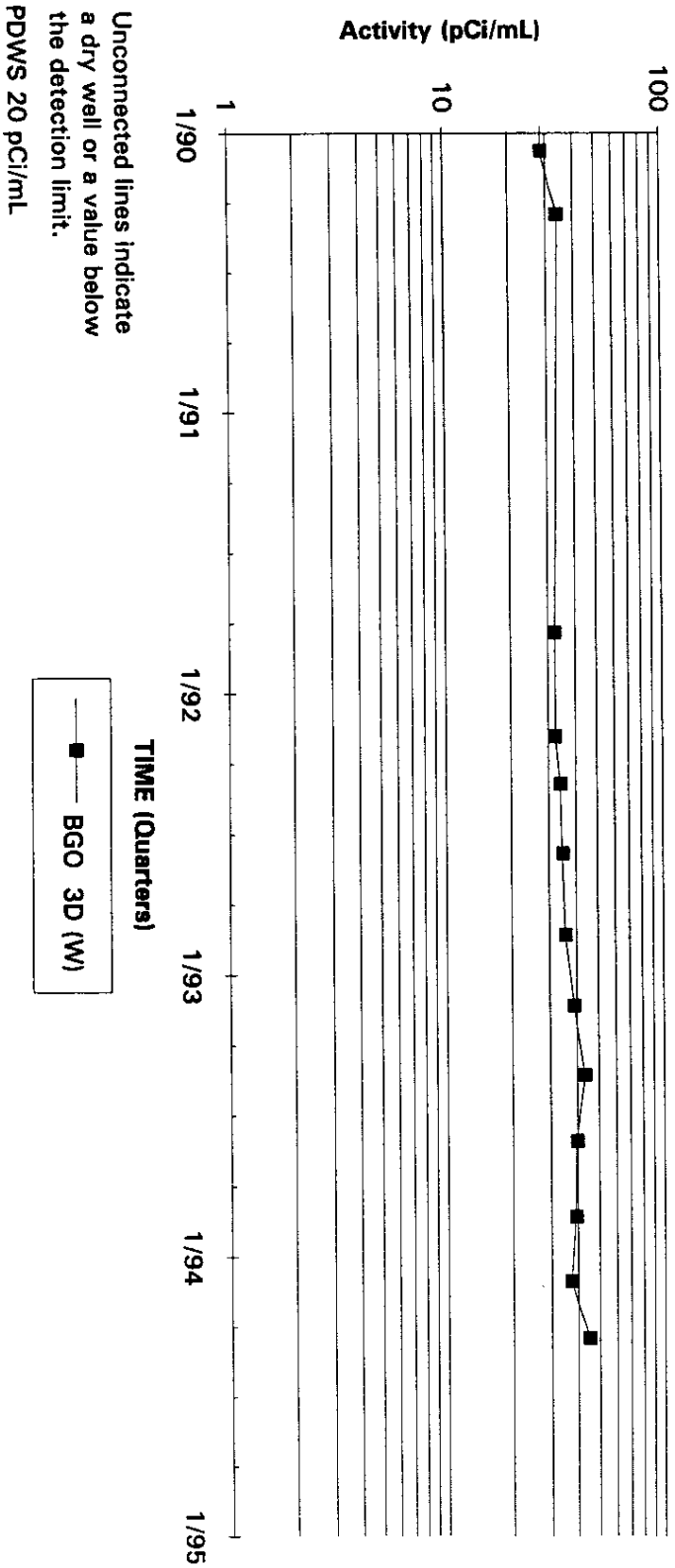


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MMMF

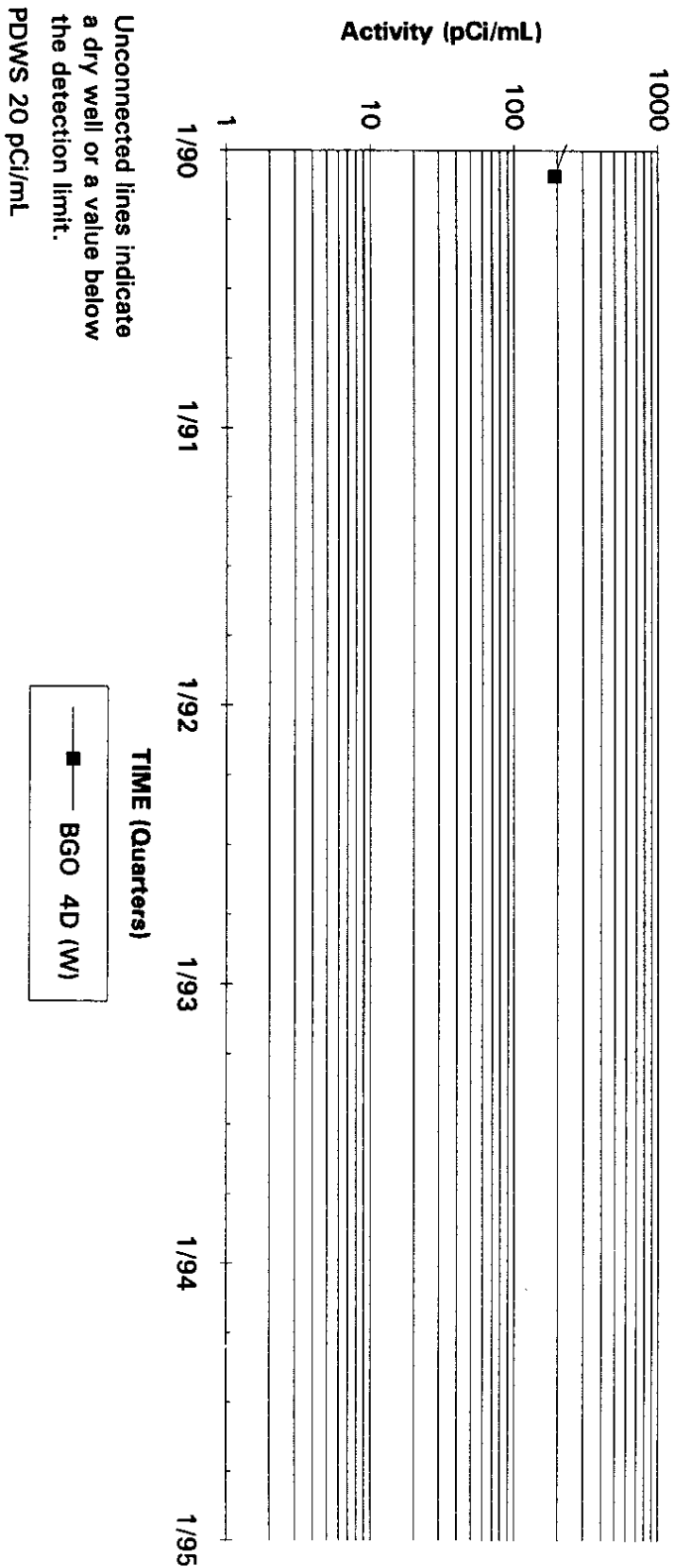
Second Quarter 1994

Tritium Activities Well BGO 3D



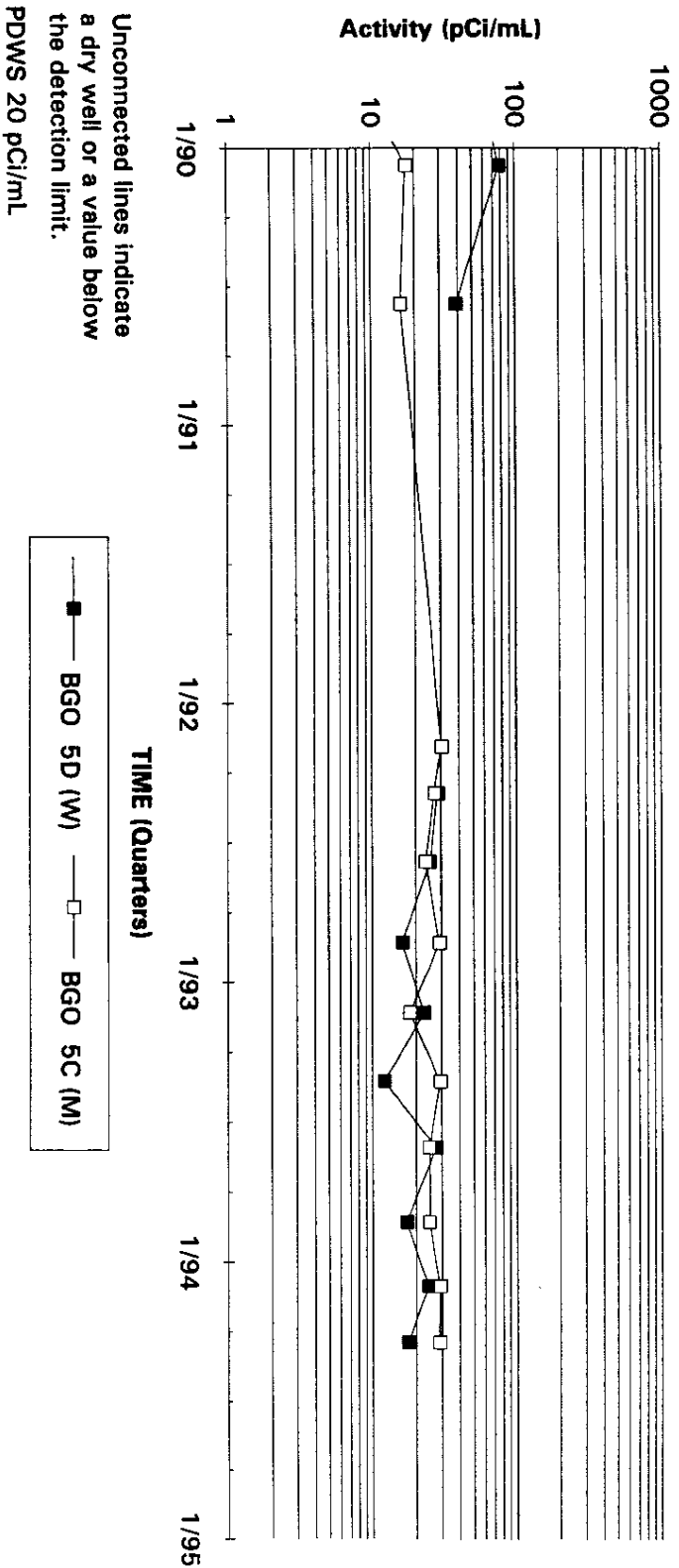
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 4D



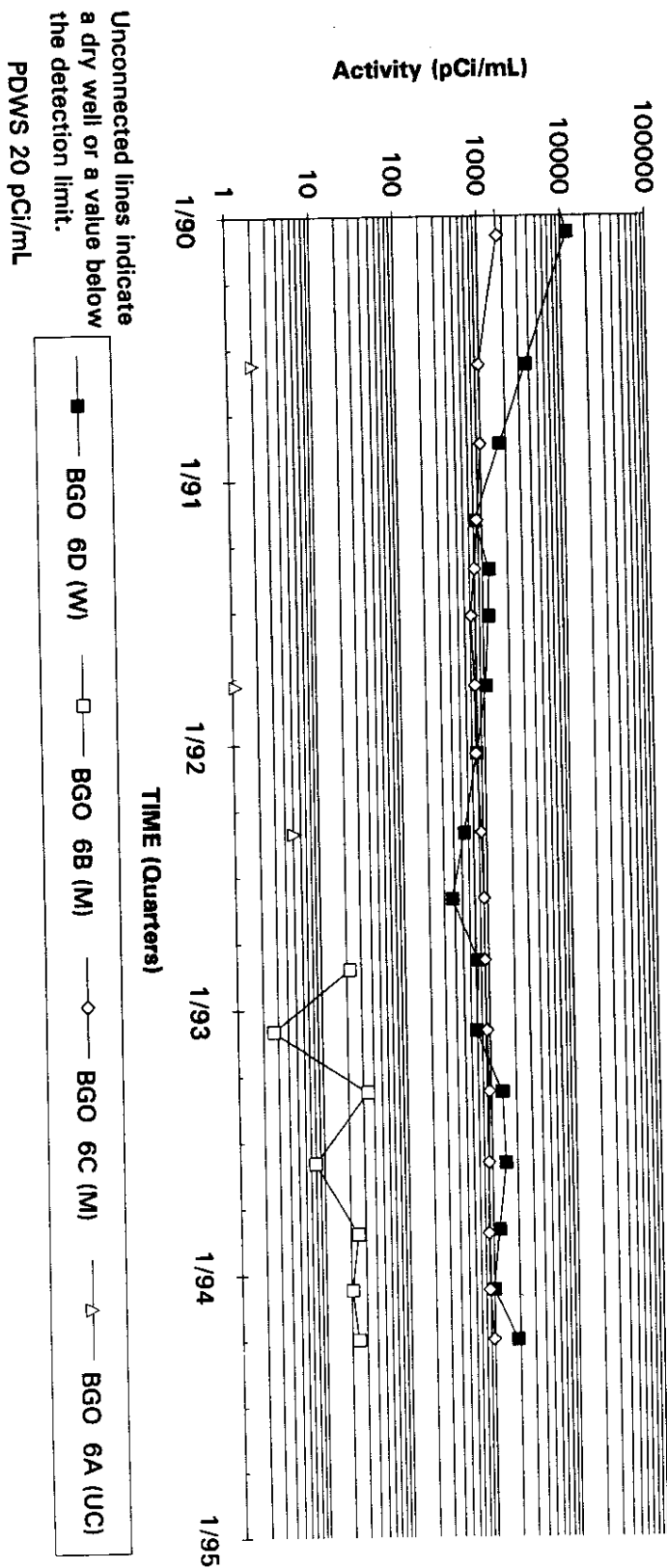
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 5



Note: W=Water Table (IIB2); B=Barrowell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 6

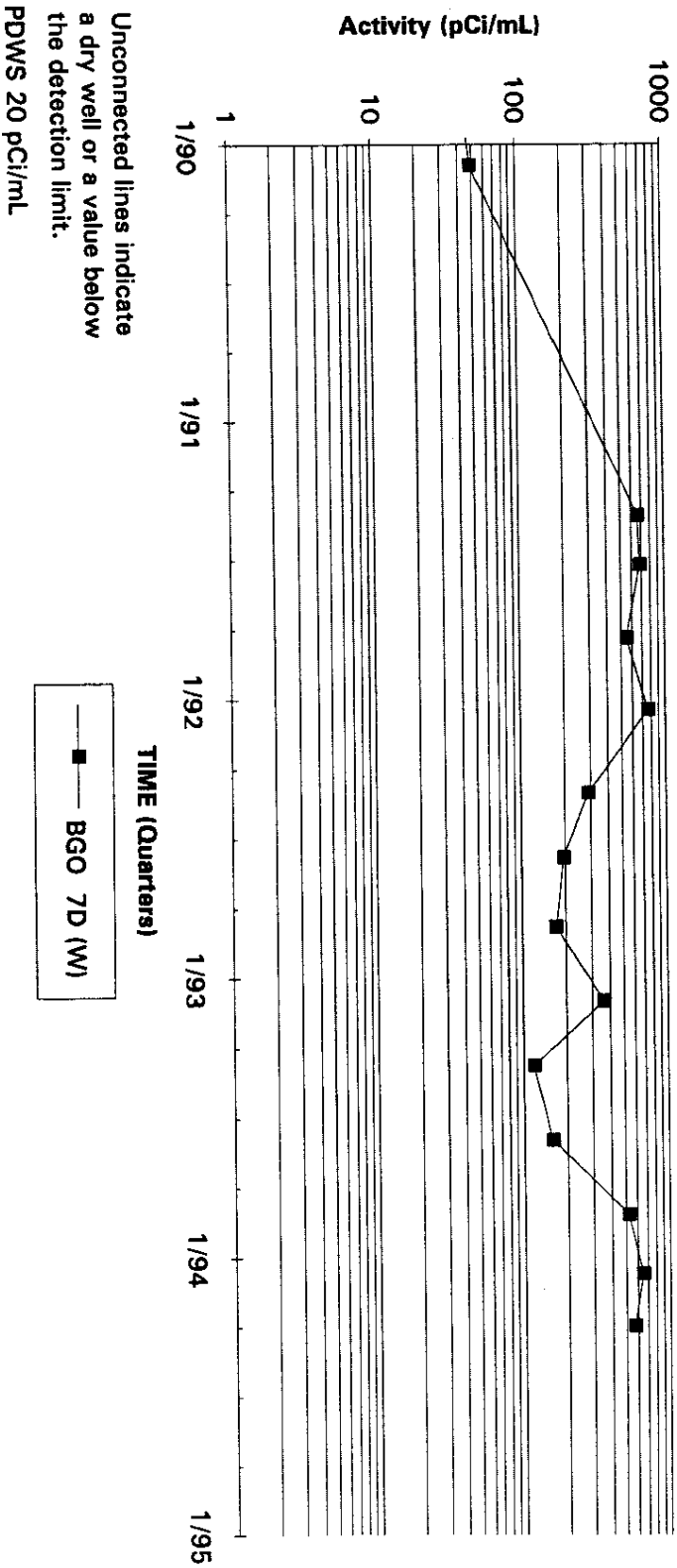


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MMMF

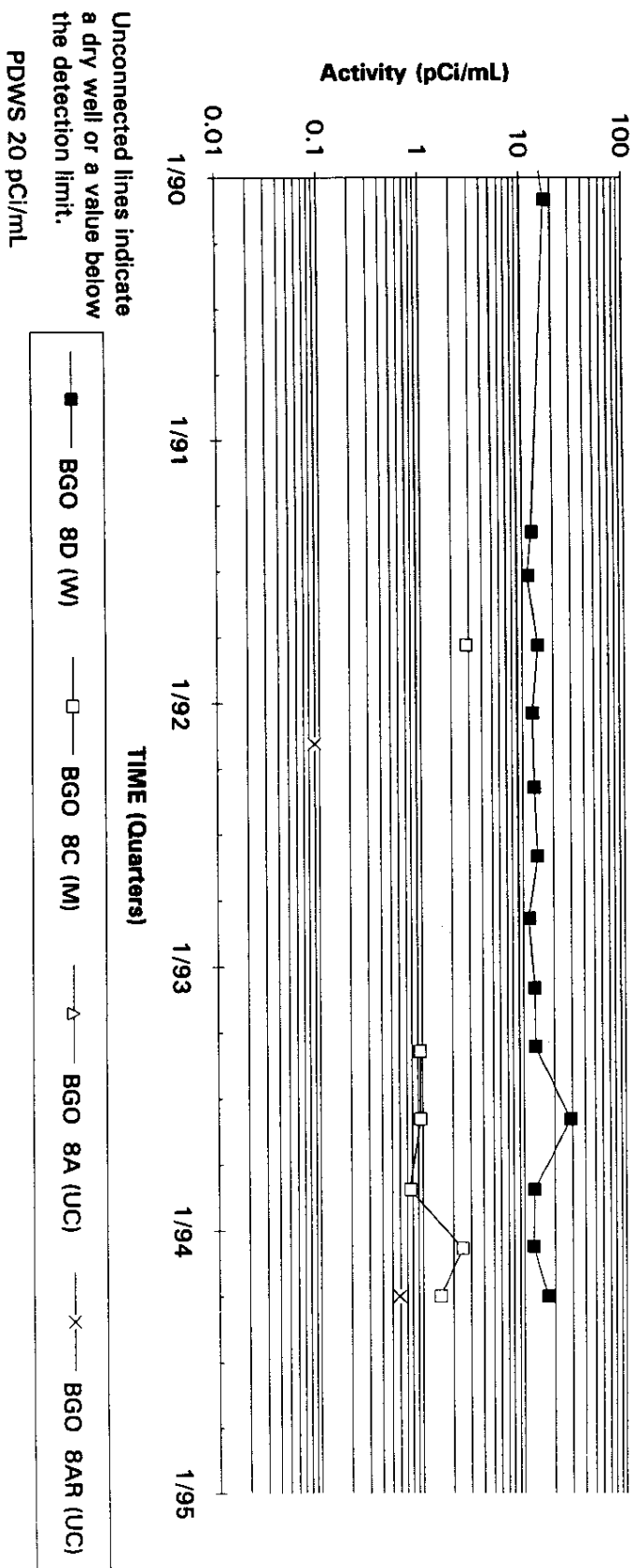
Second Quarter 1994

Tritium Activities Well BGO 7D



Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 8

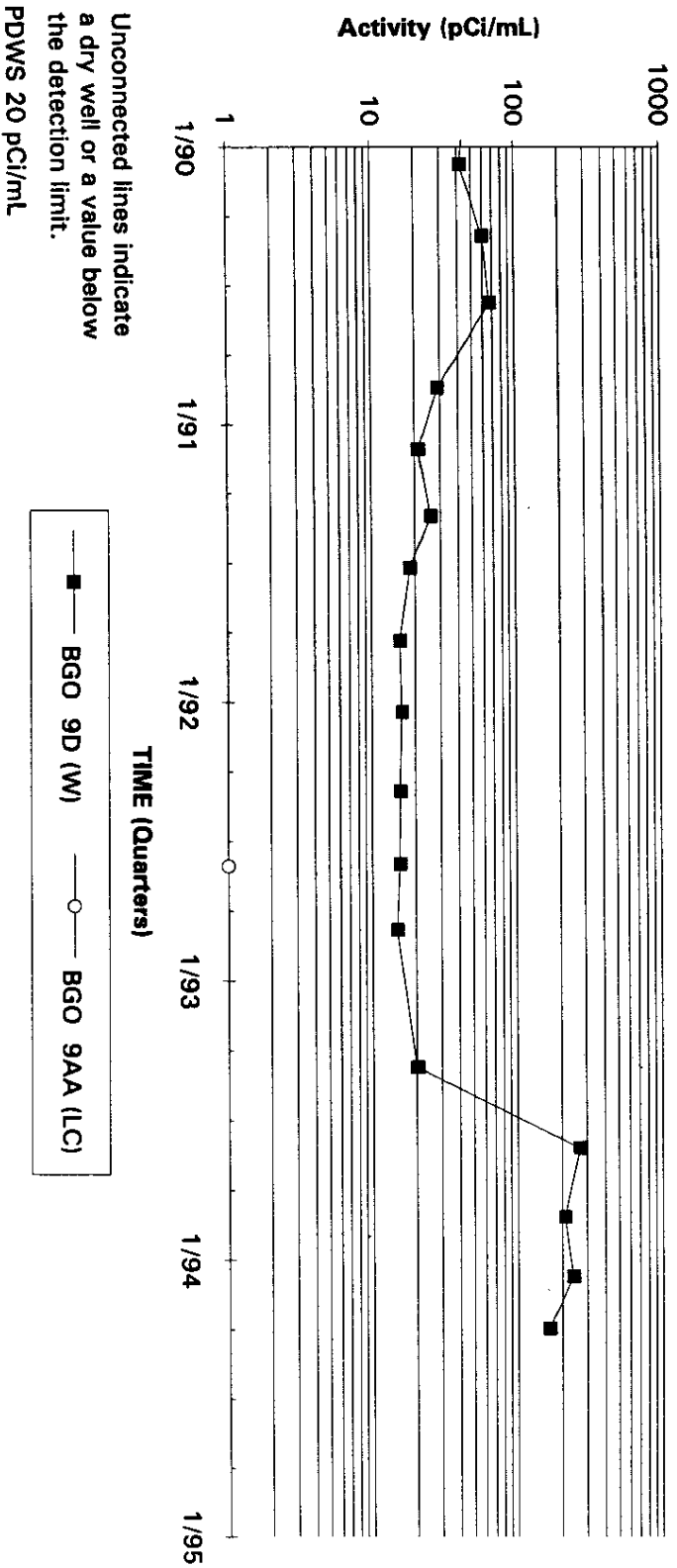


Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

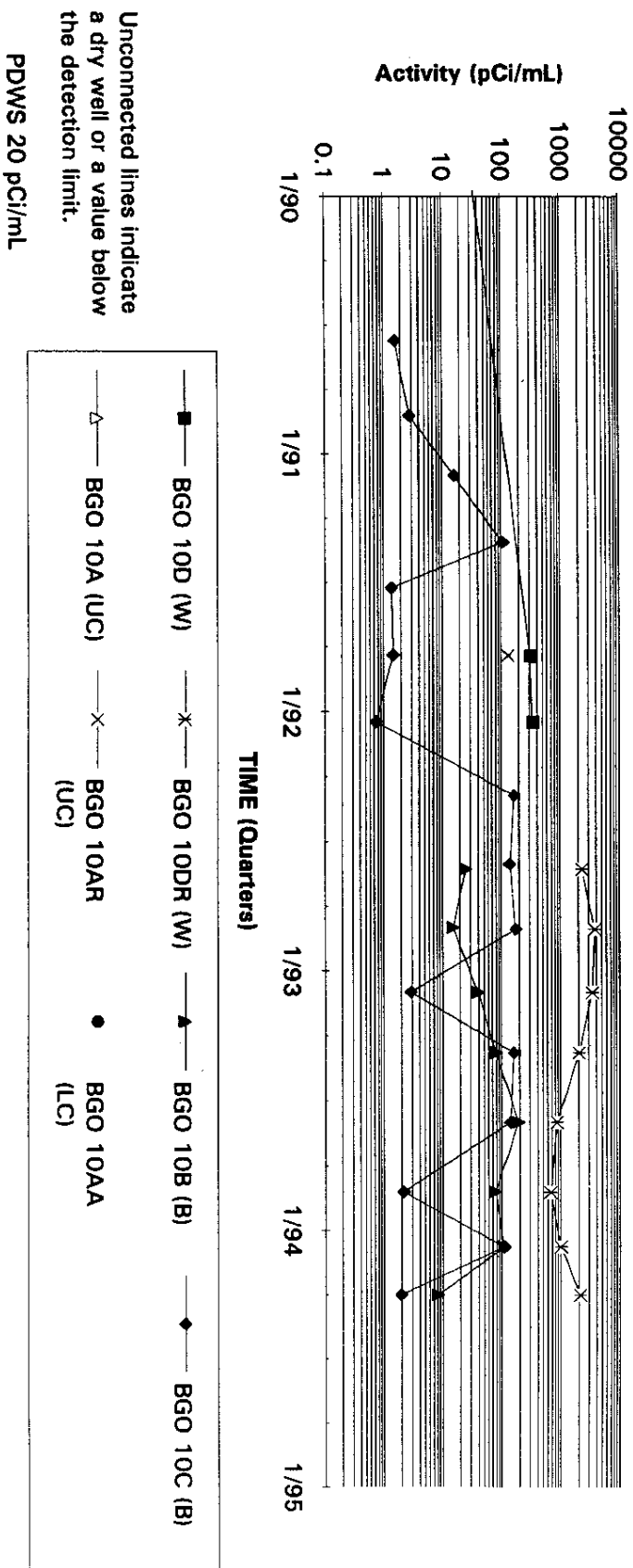
Second Quarter 1994

Tritium Activities Well Cluster BGO 9



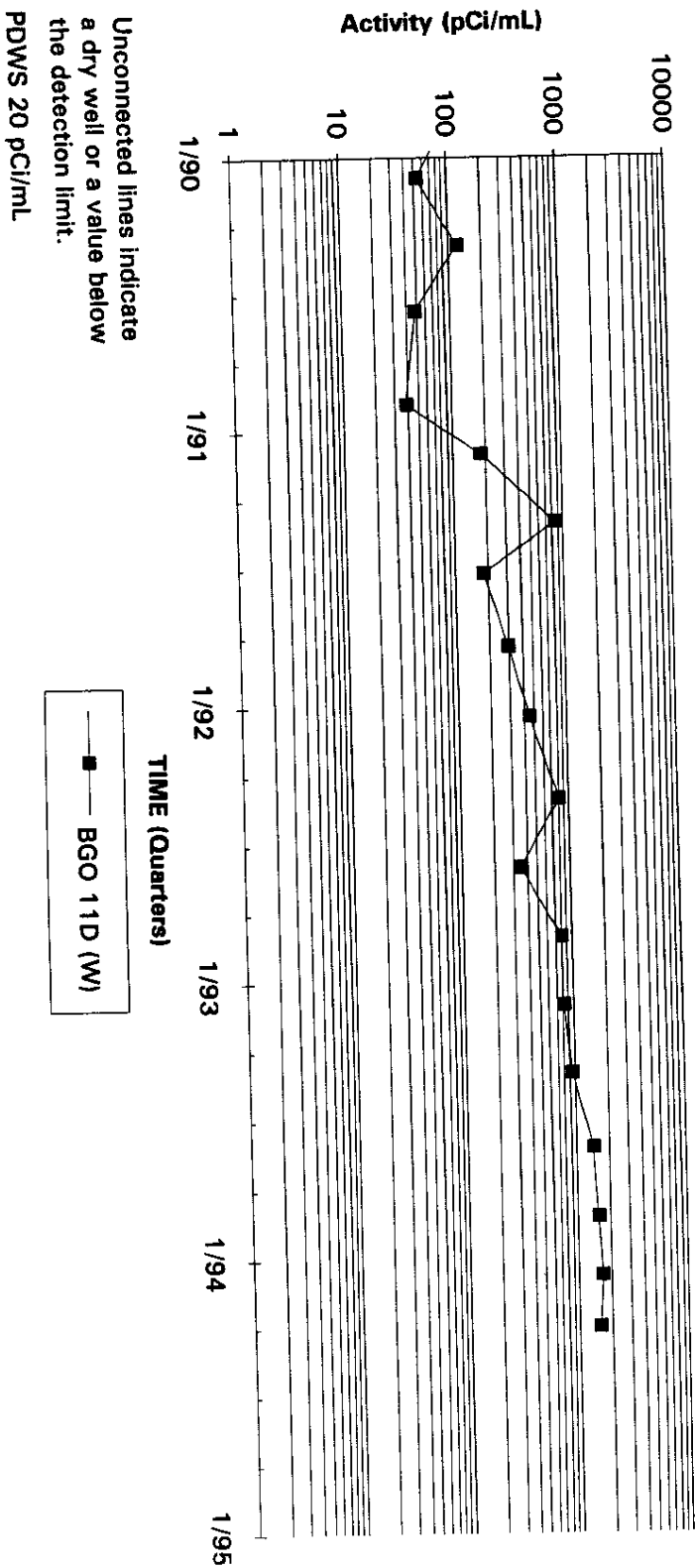
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 10



Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities
Well BGO 11D

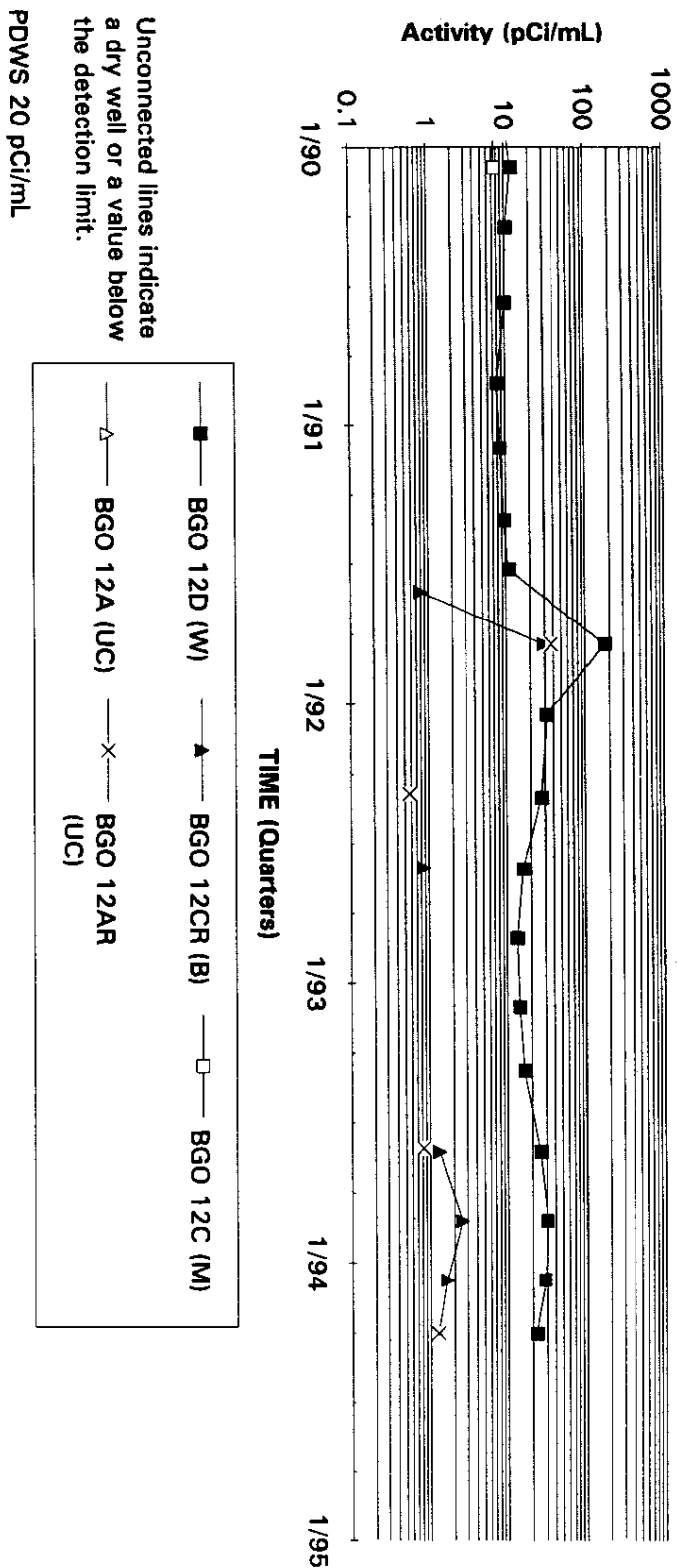


Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

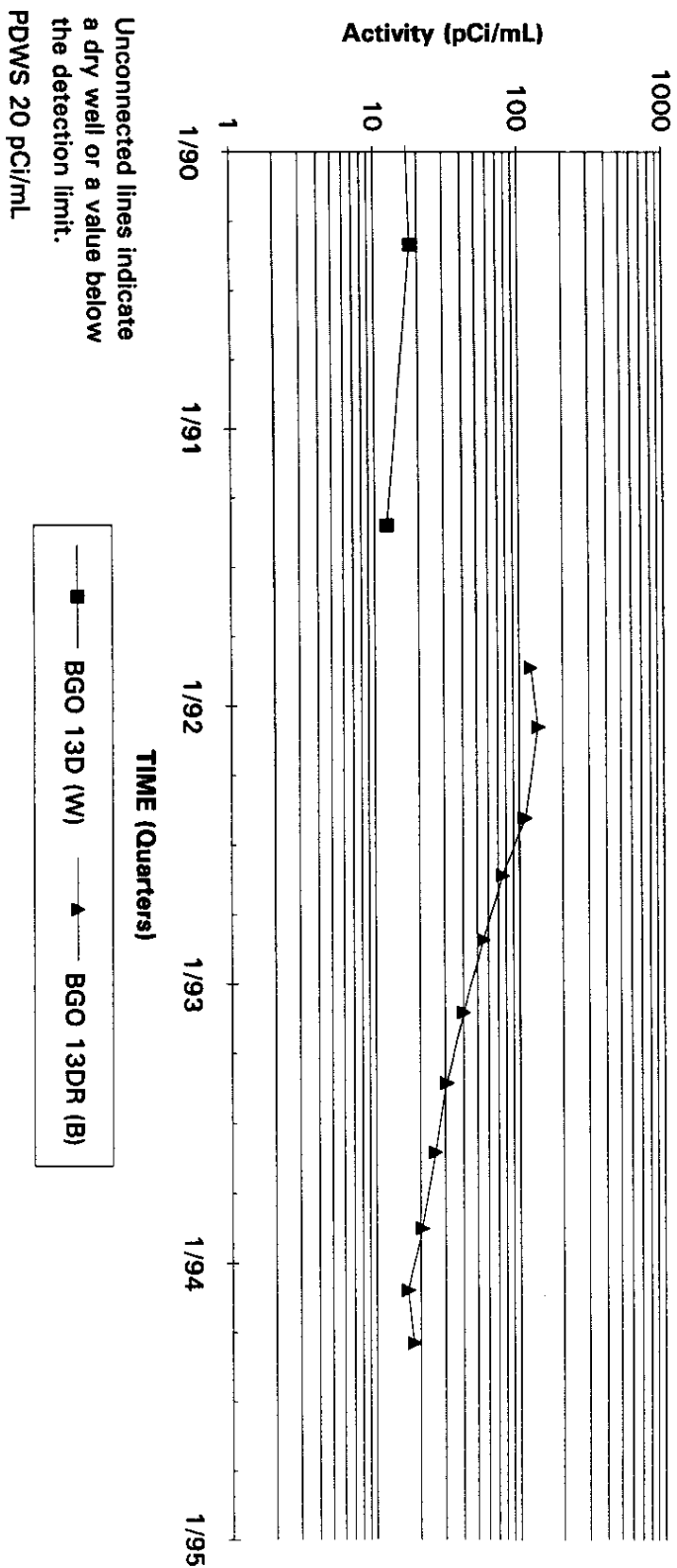
Second Quarter 1994

Tritium Activities Well Cluster BGO 12



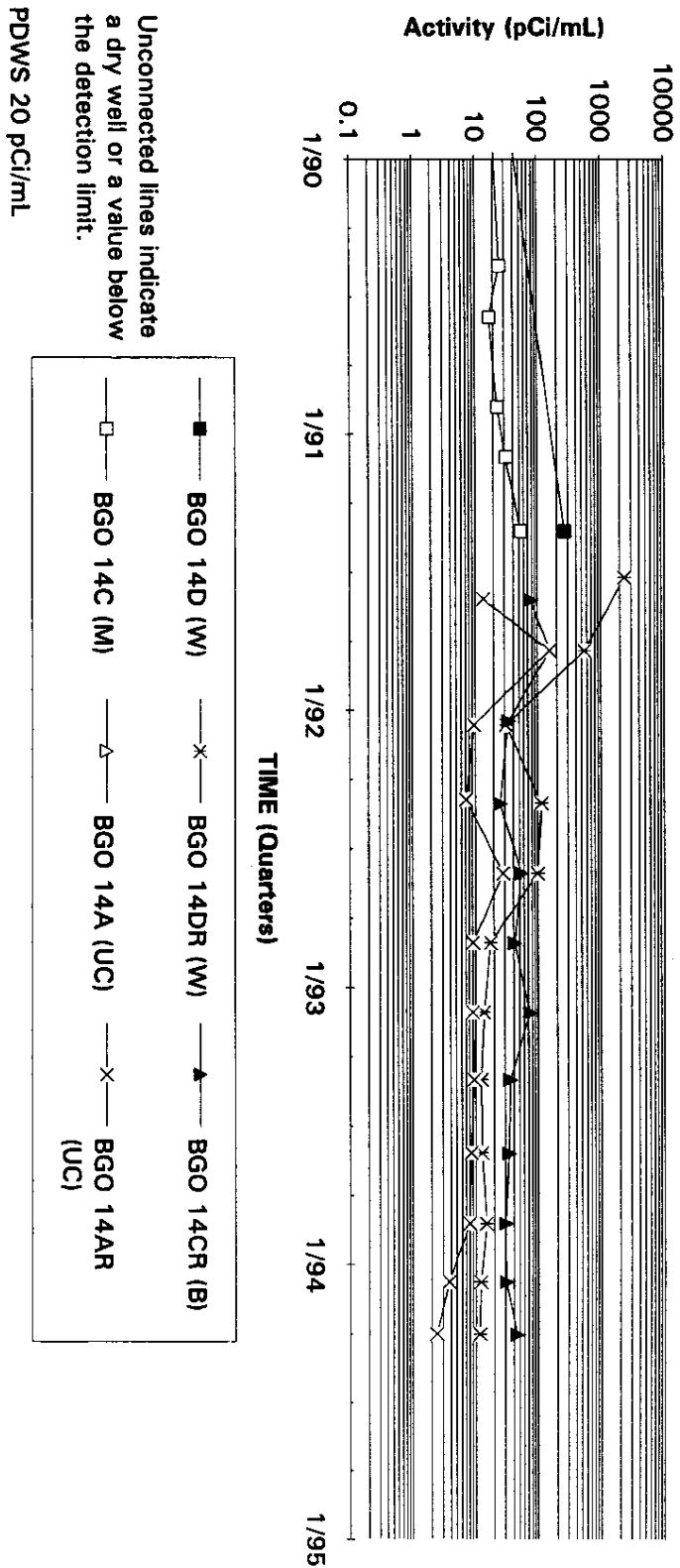
Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

Tritium Activities Well Cluster BGO 13



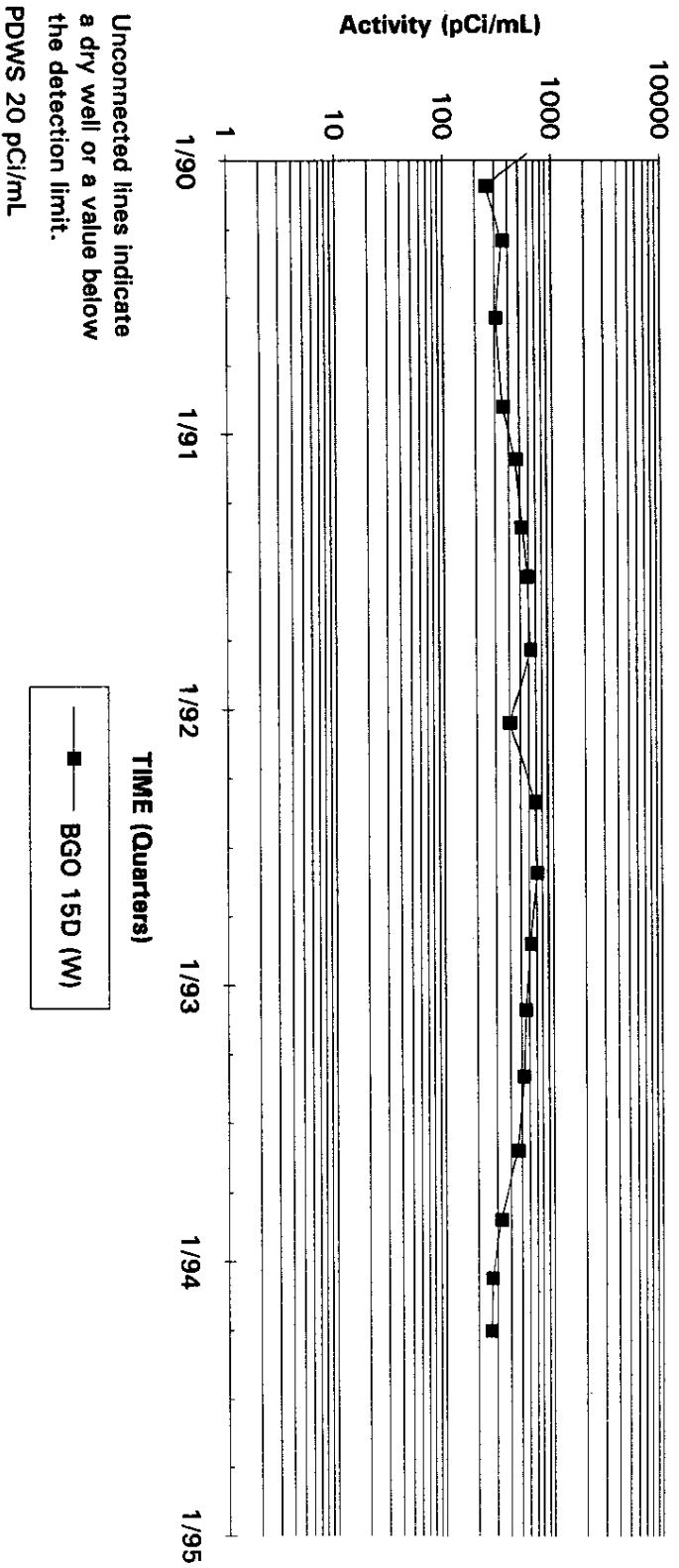
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 14



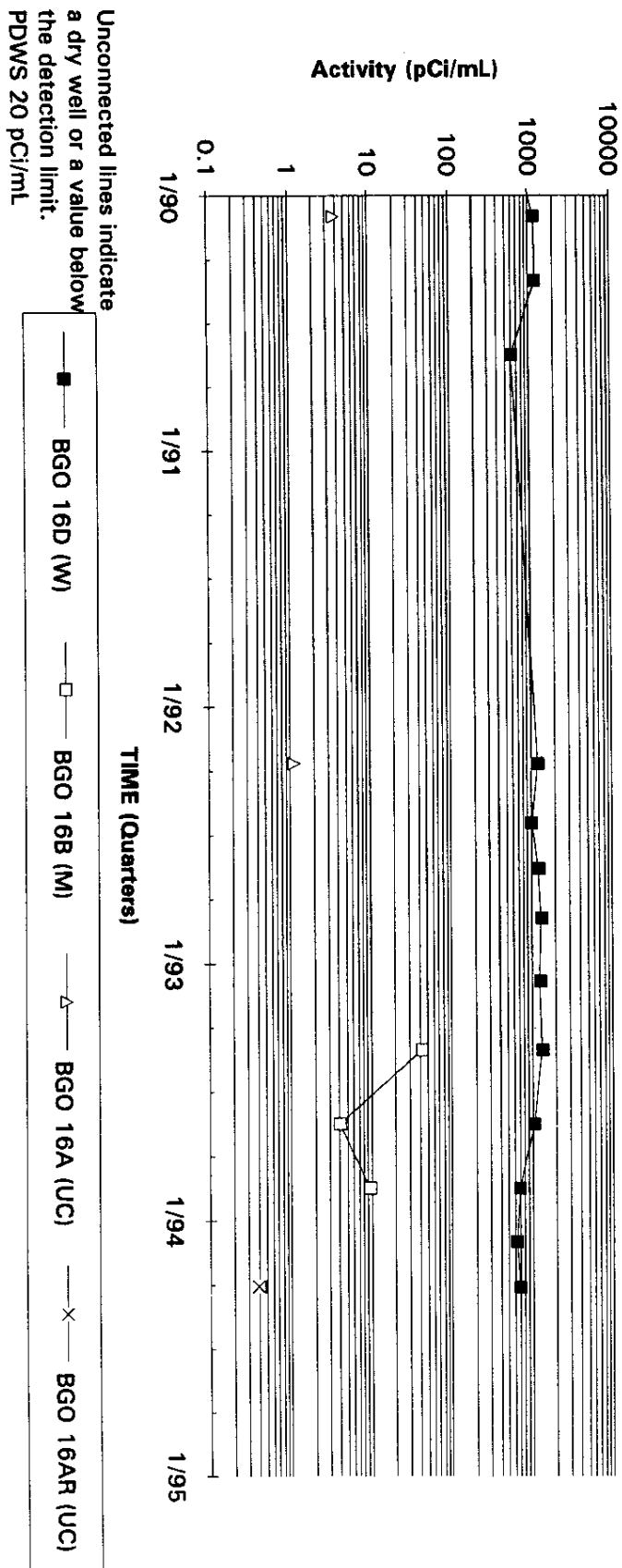
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 15D



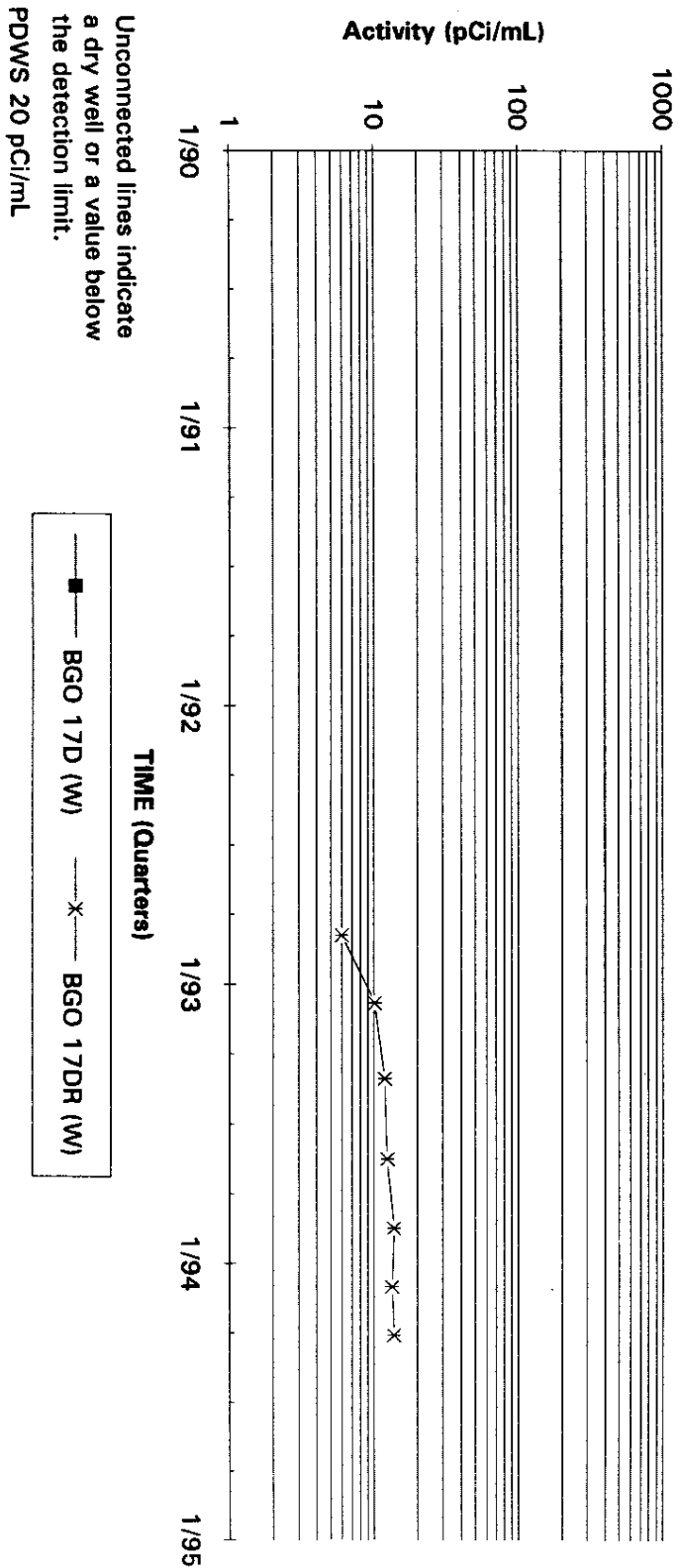
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 16



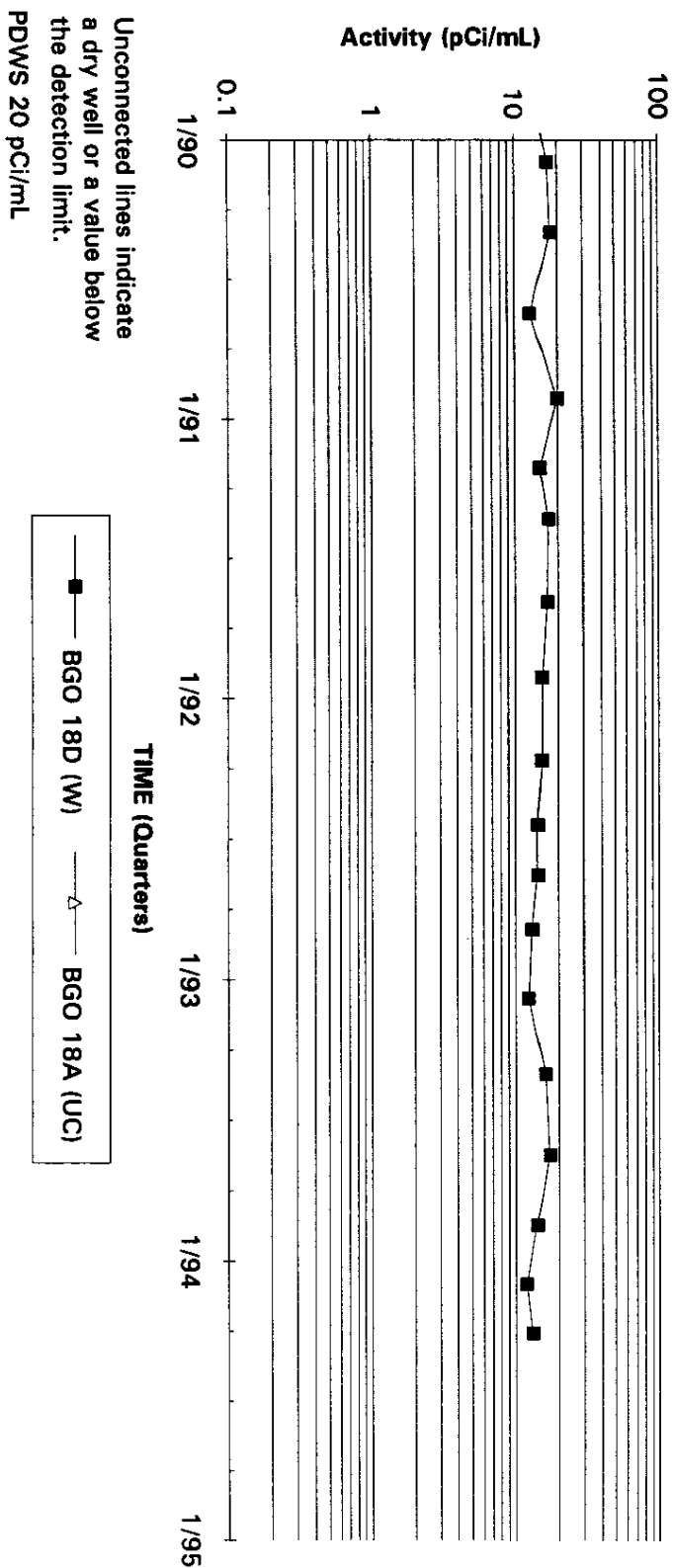
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 17



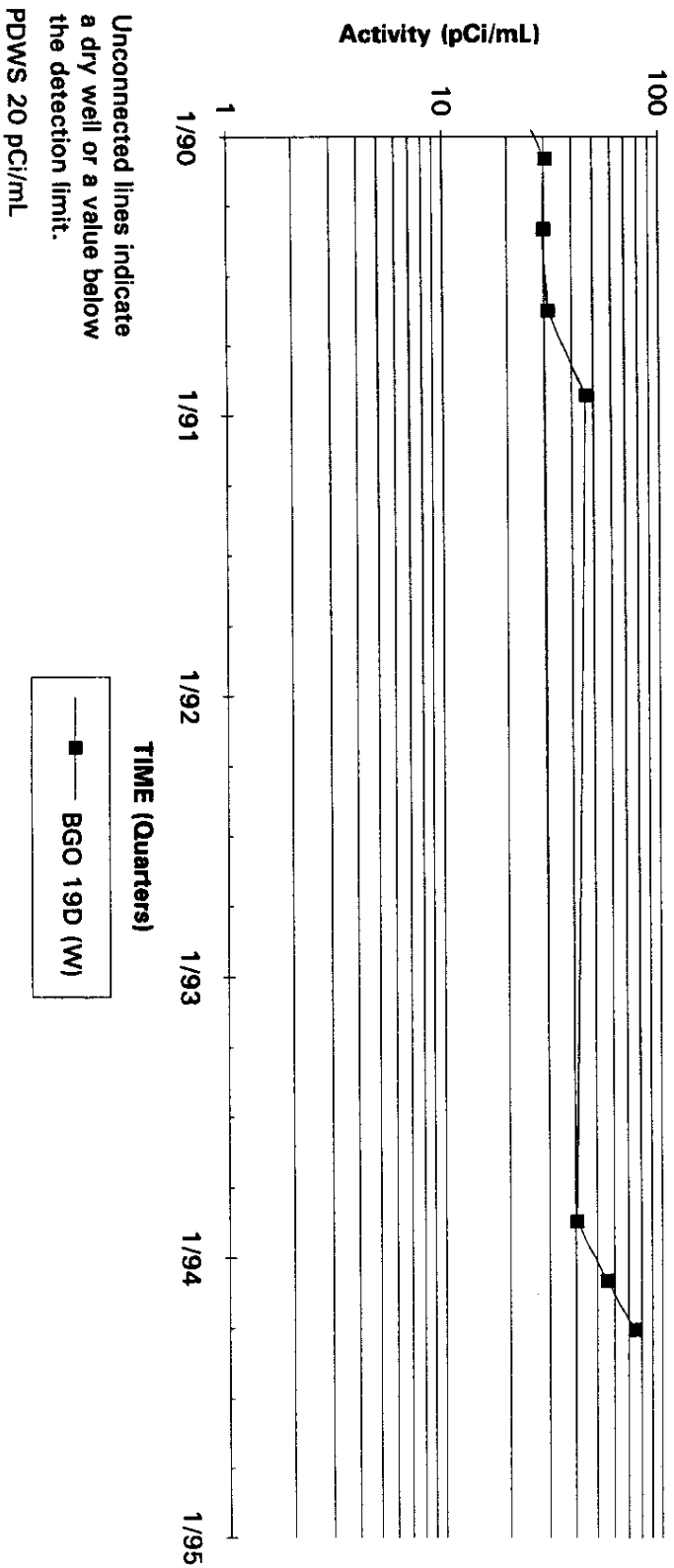
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 18



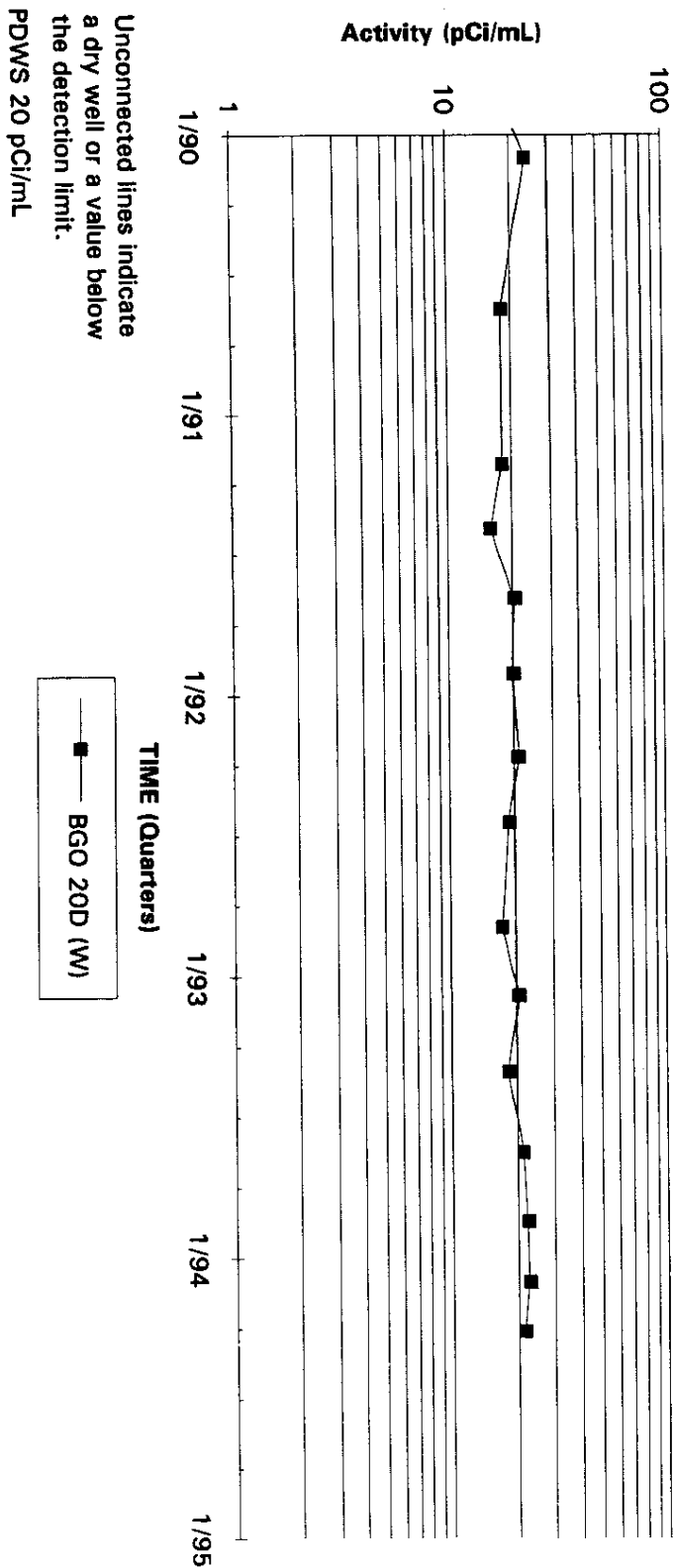
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 19D



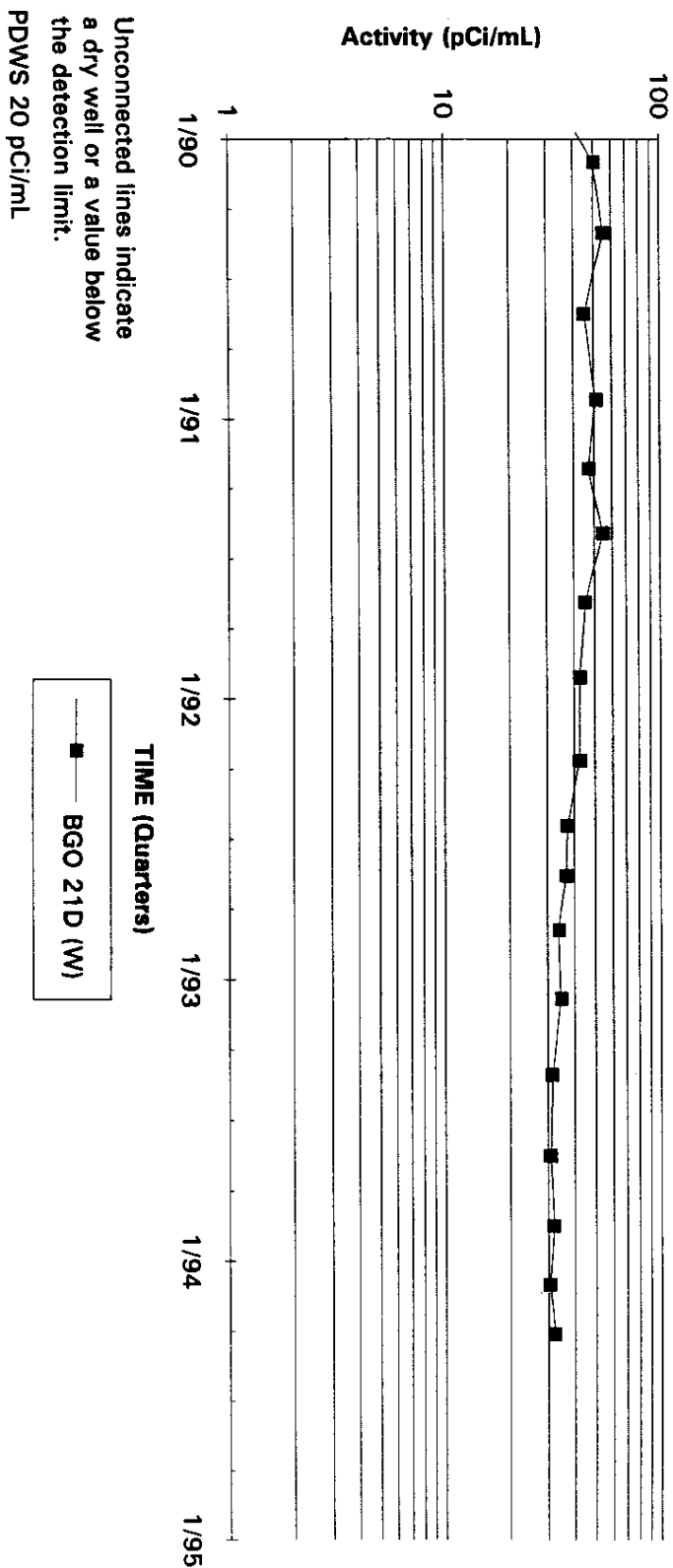
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 20D



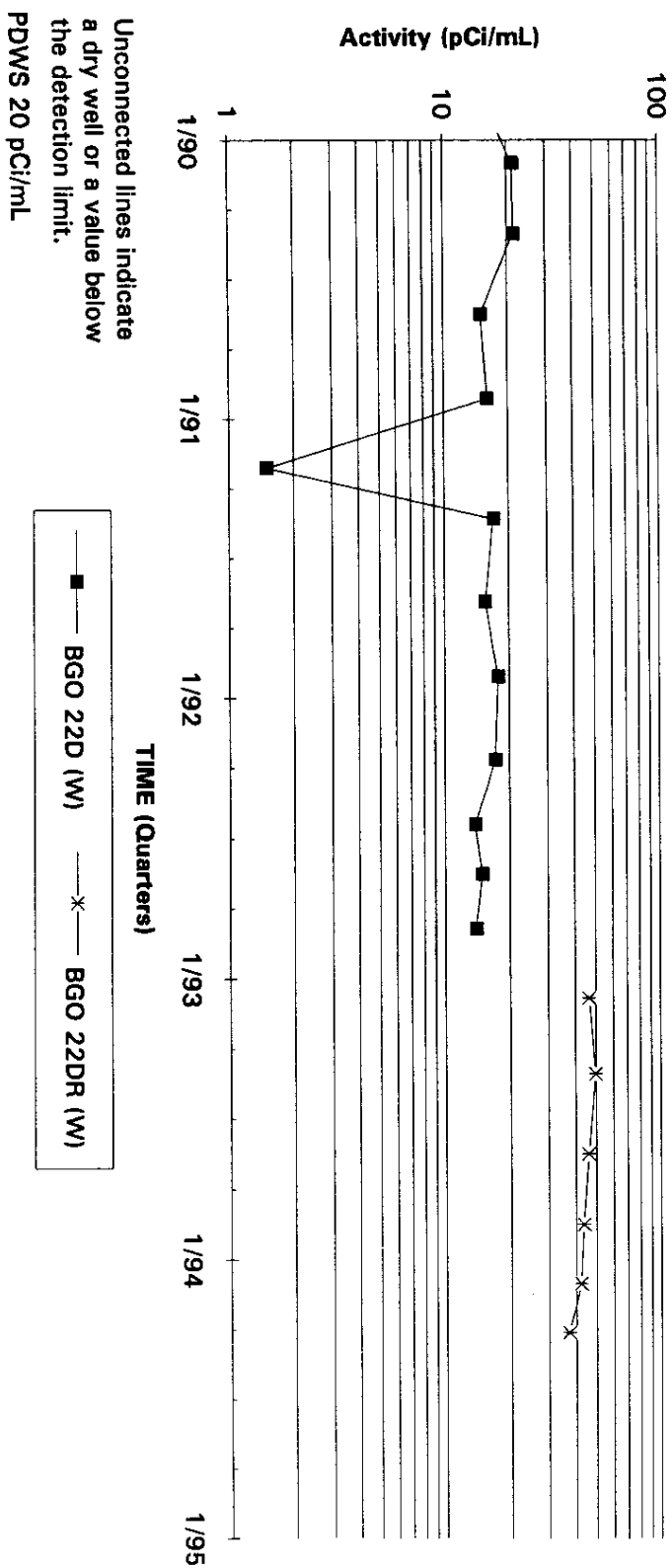
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 21D



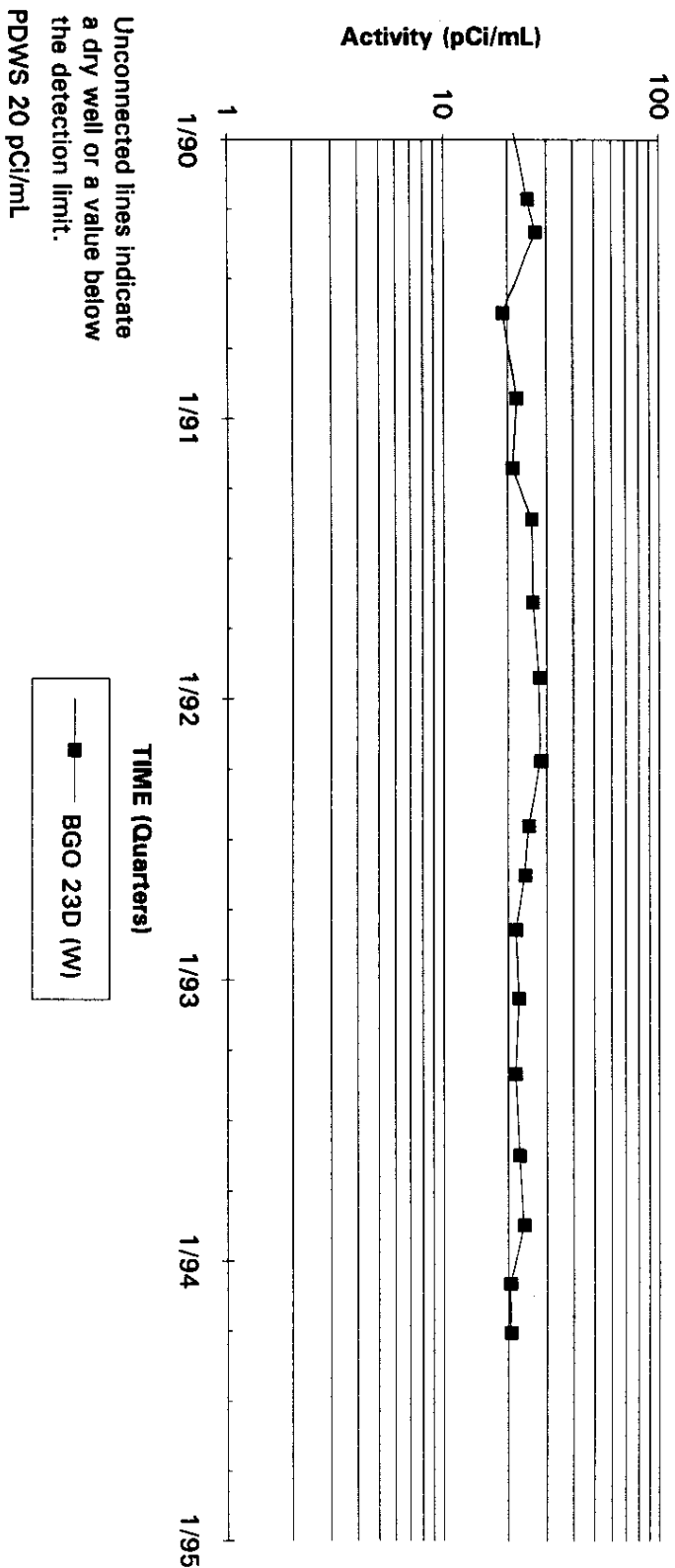
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 22



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 23D

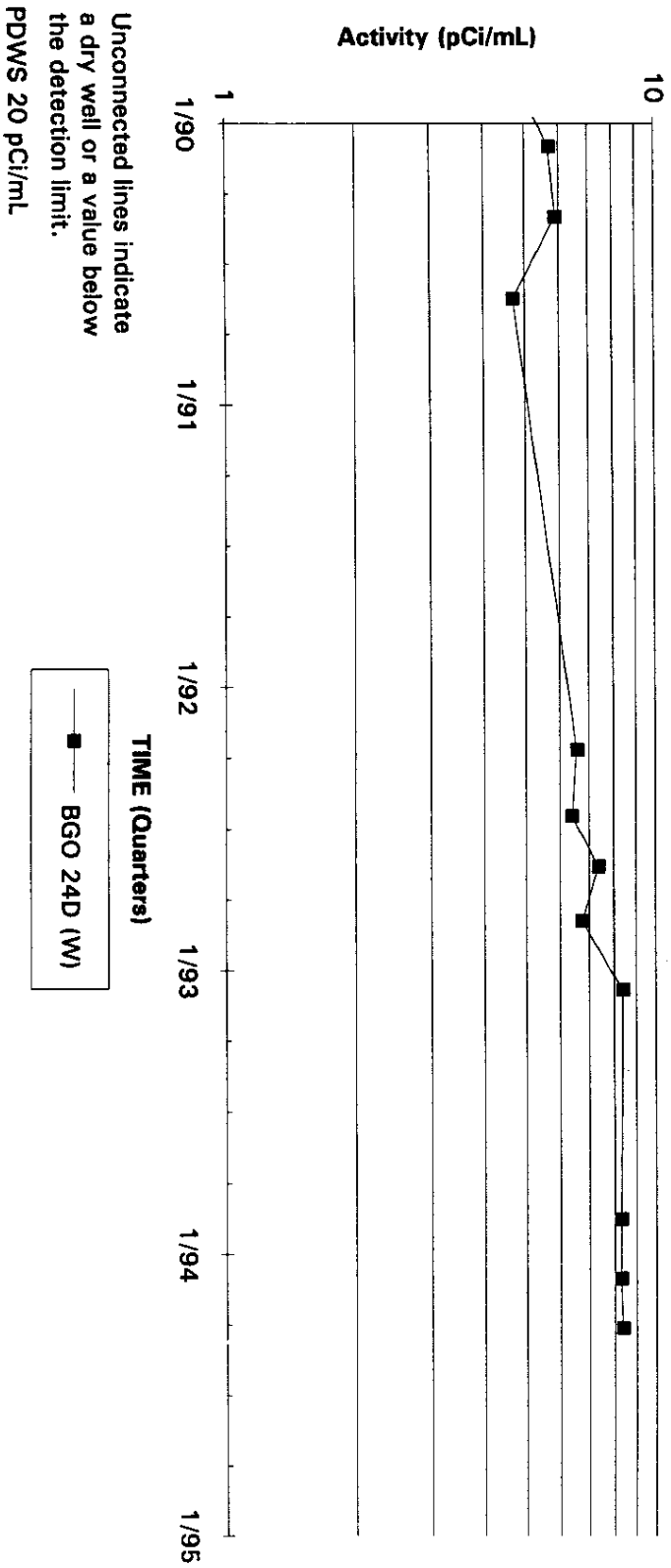


Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

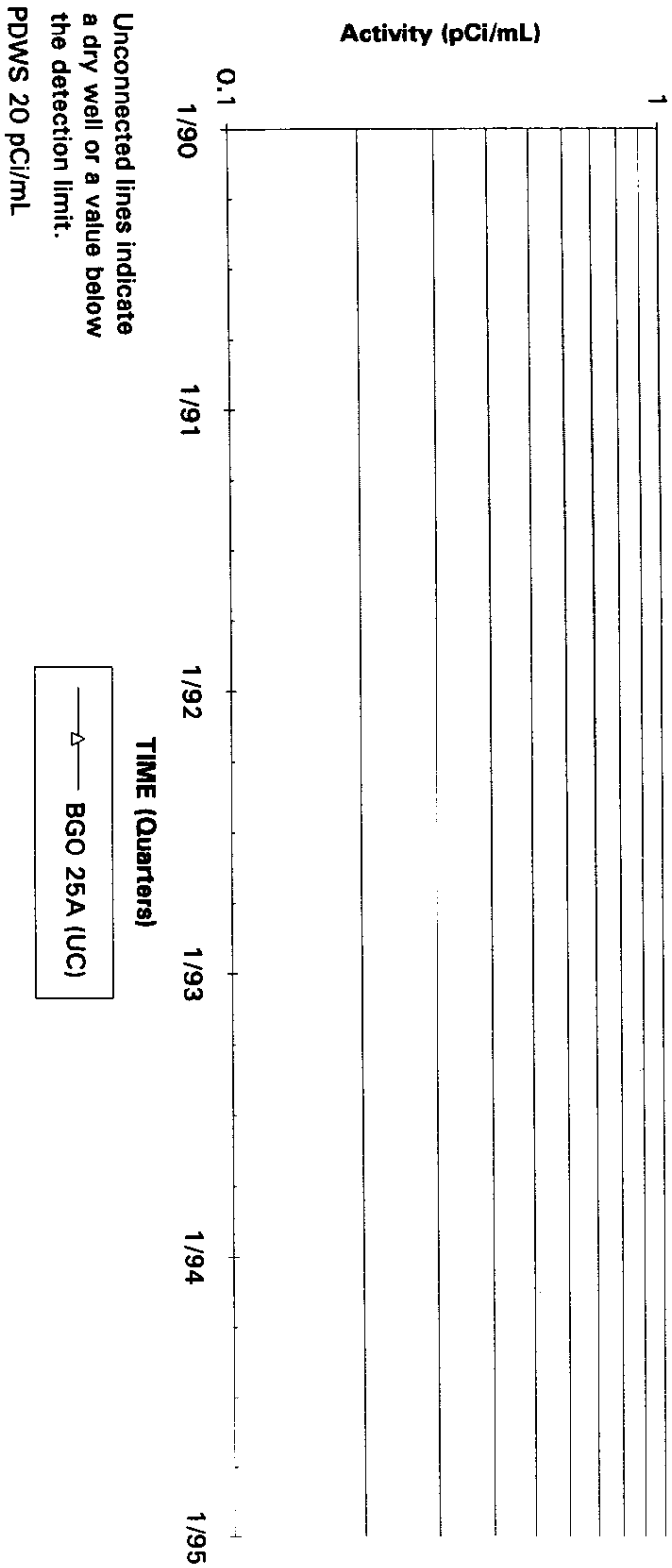
Second Quarter 1994

Tritium Activities Well BGO 24D



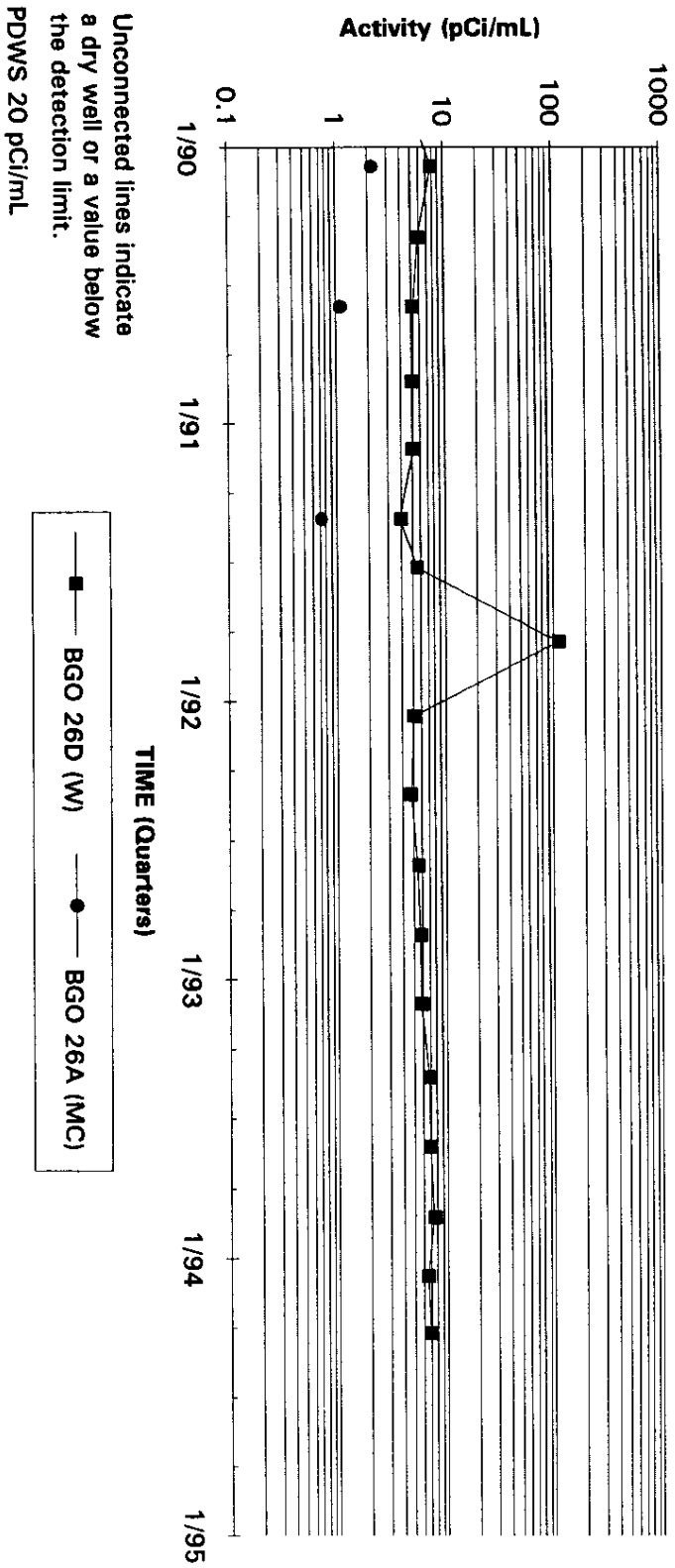
Note: W=Water Table (IIBZ); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 25A



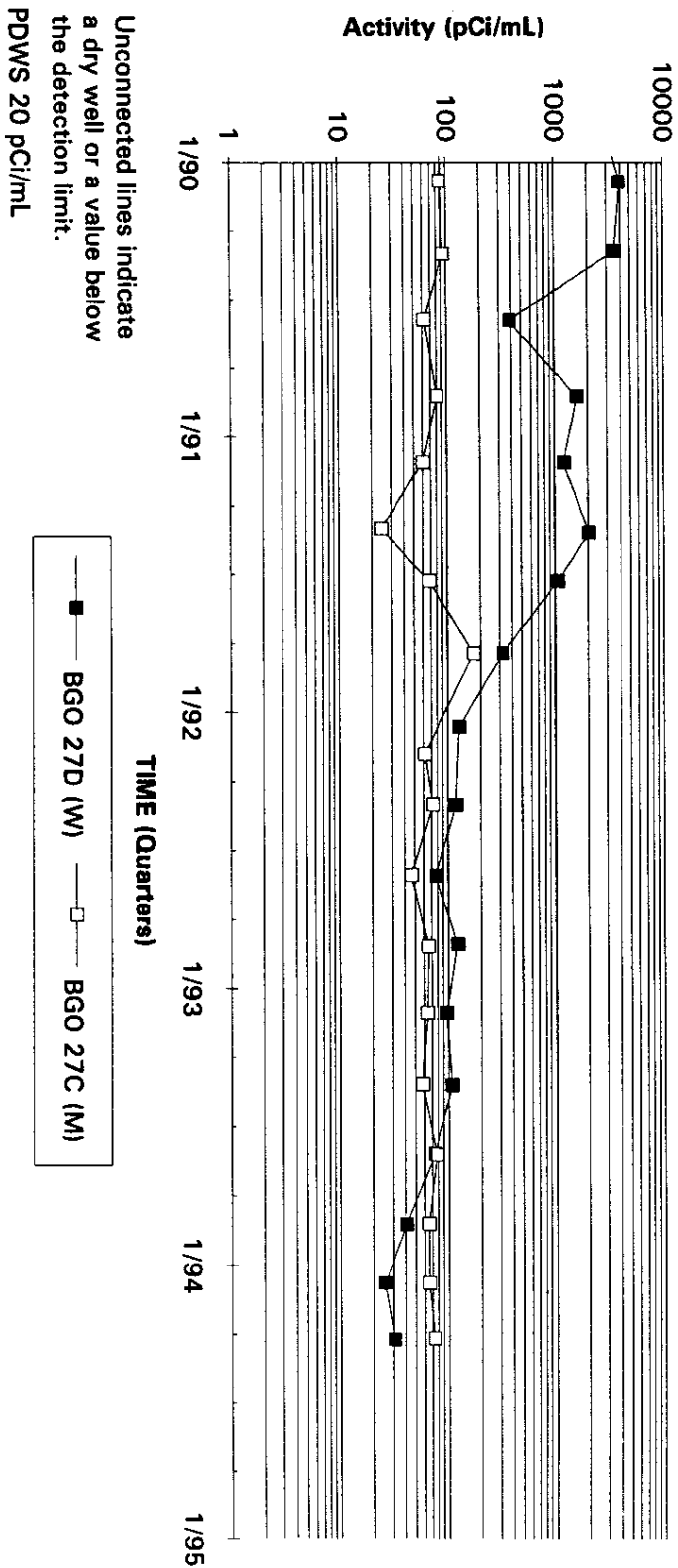
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 26



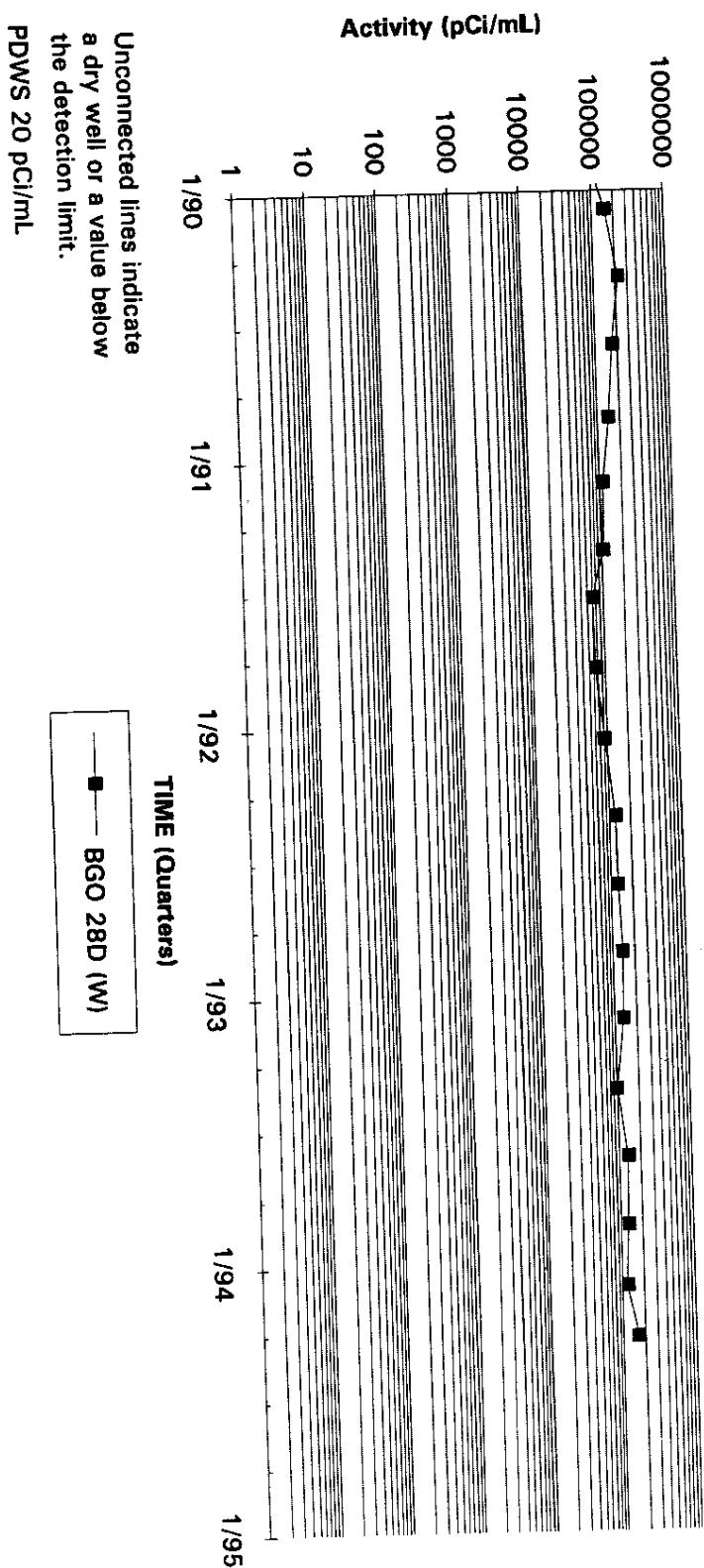
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 27



Note: W=Water Table (IIB2); B=Barrow (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 28D

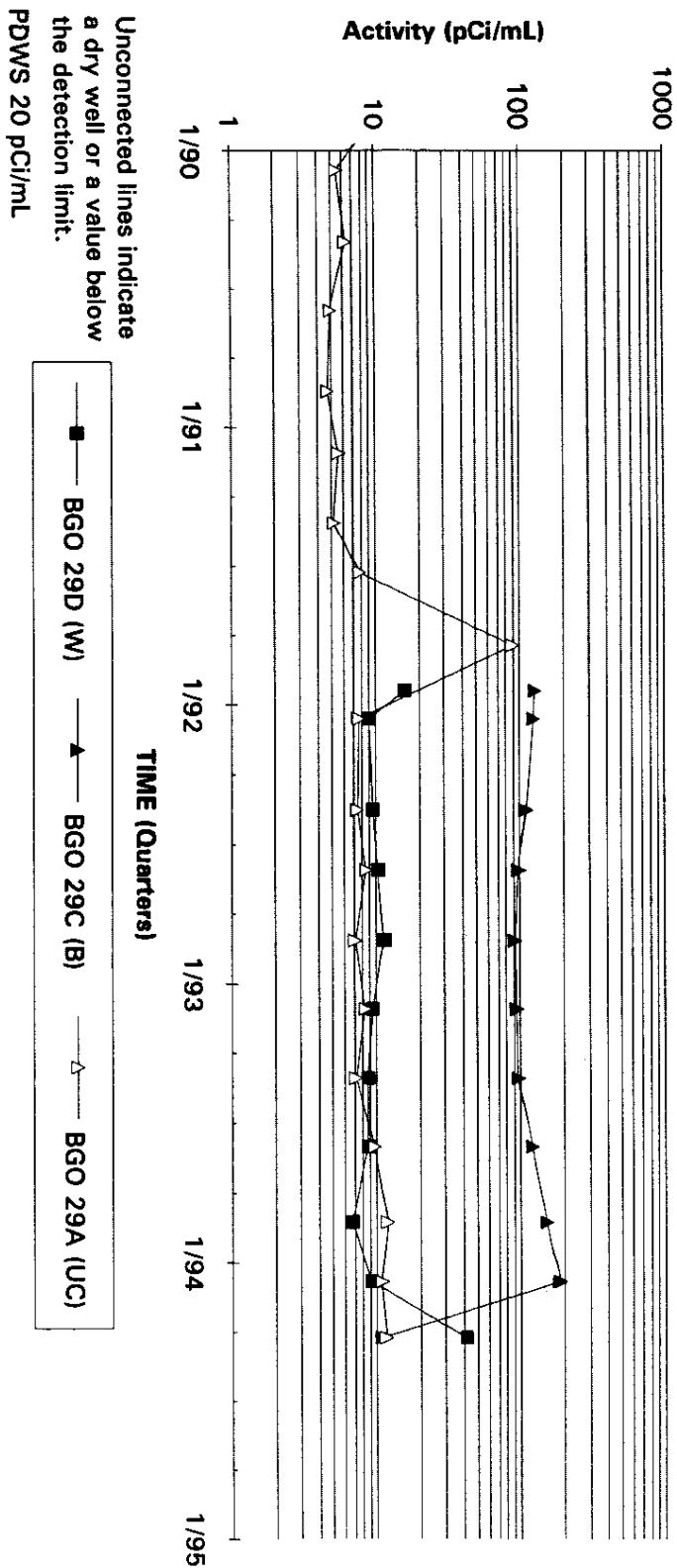


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

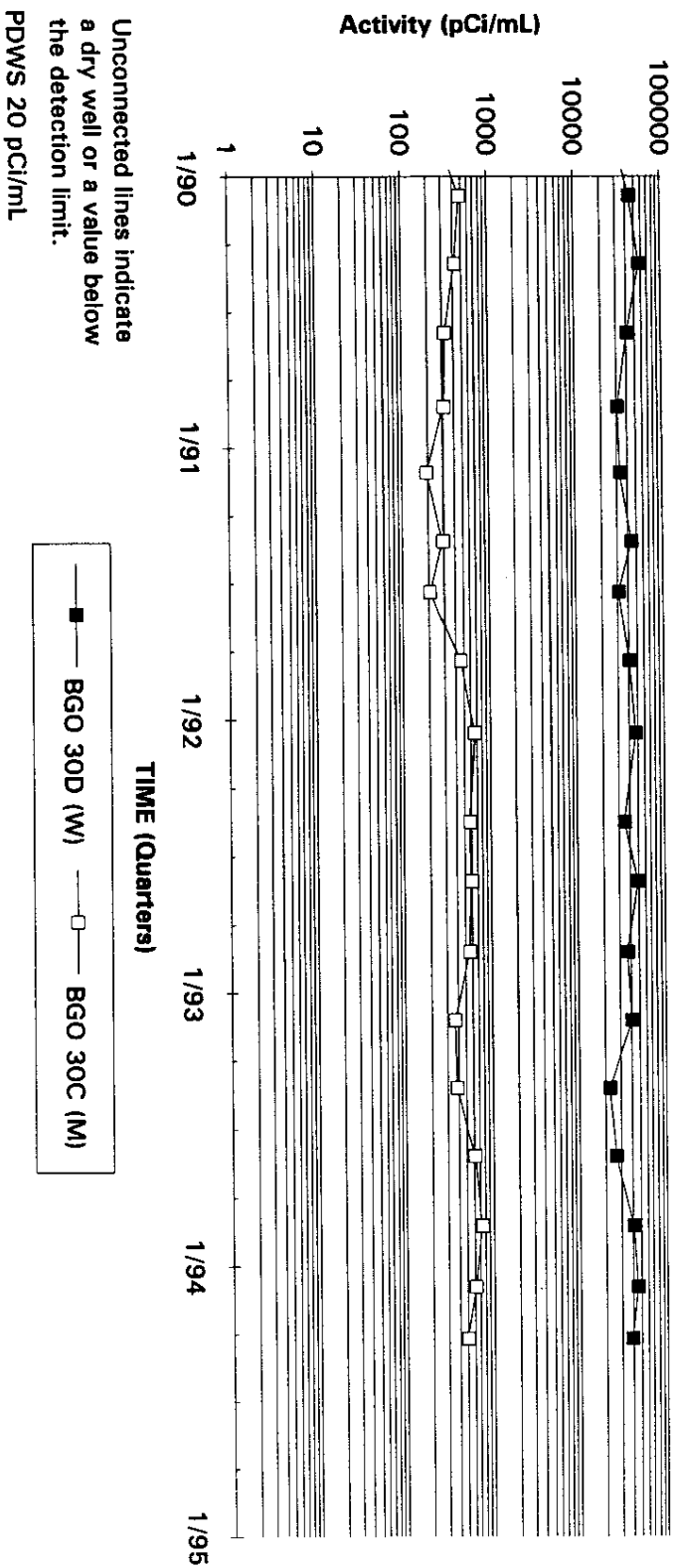
Second Quarter 1994

Tritium Activities Well Cluster BGO 29



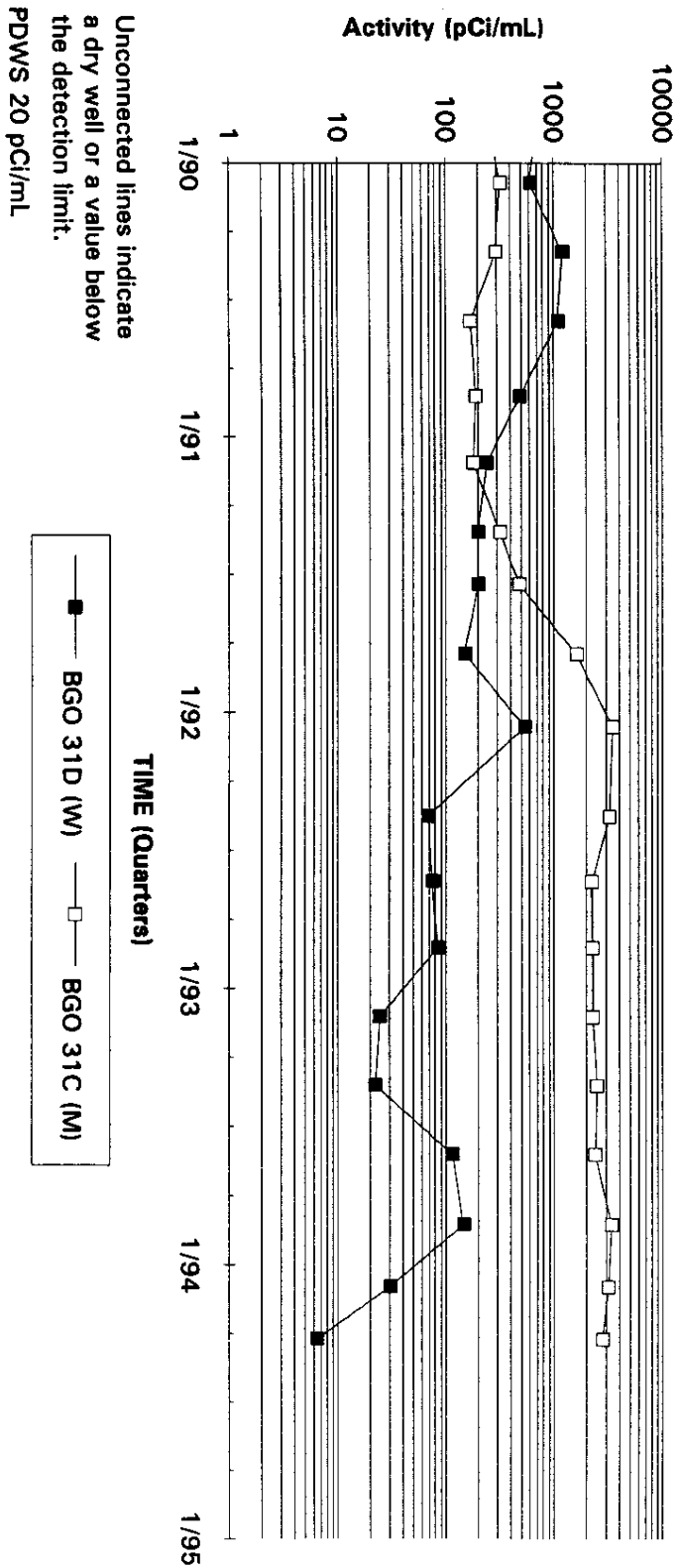
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 30



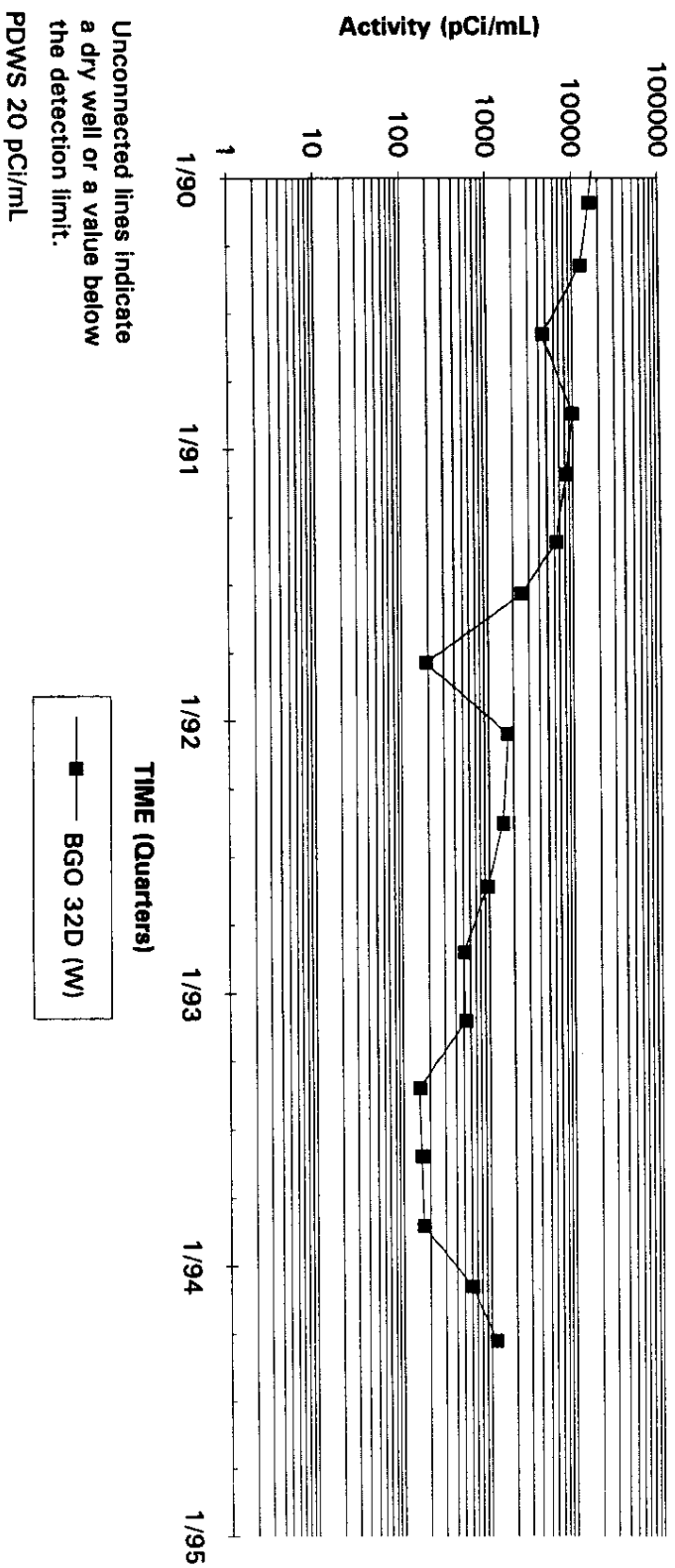
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 31



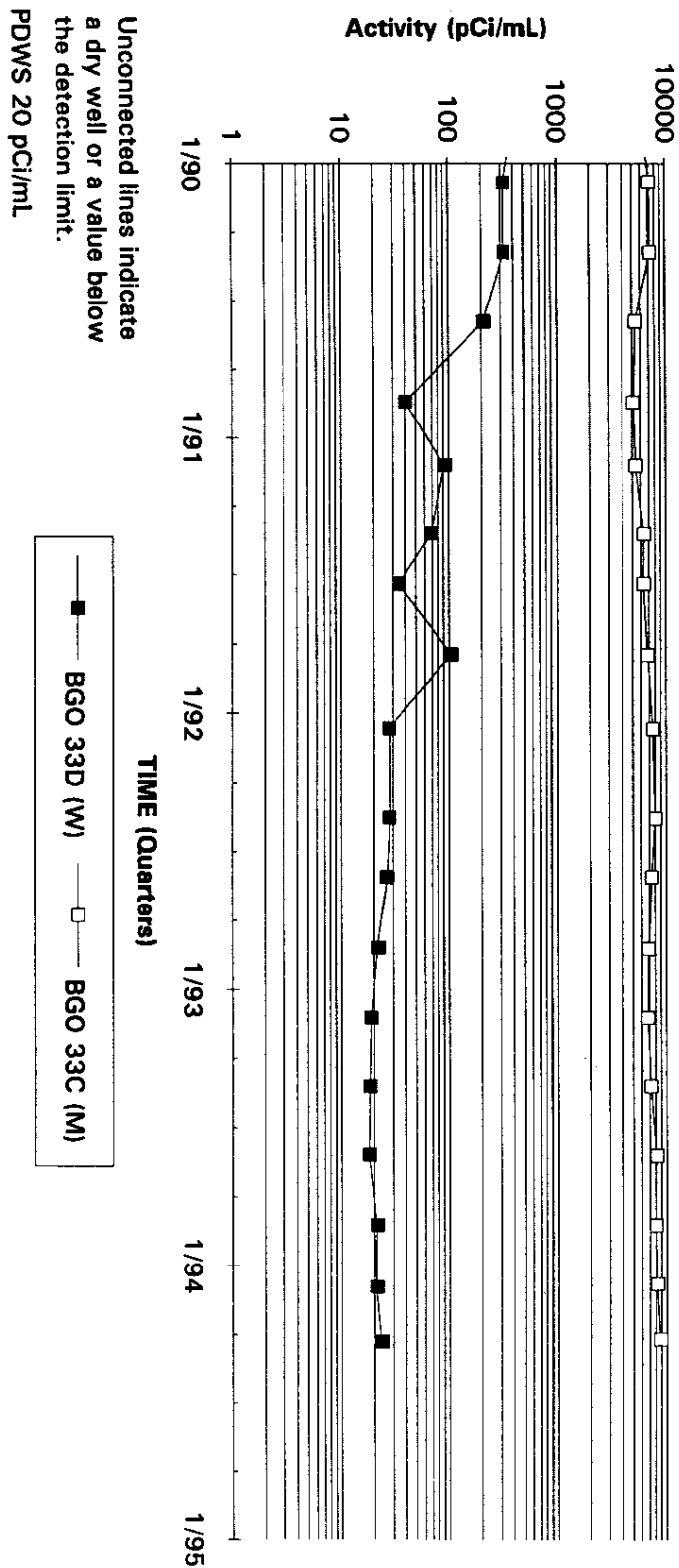
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 32D



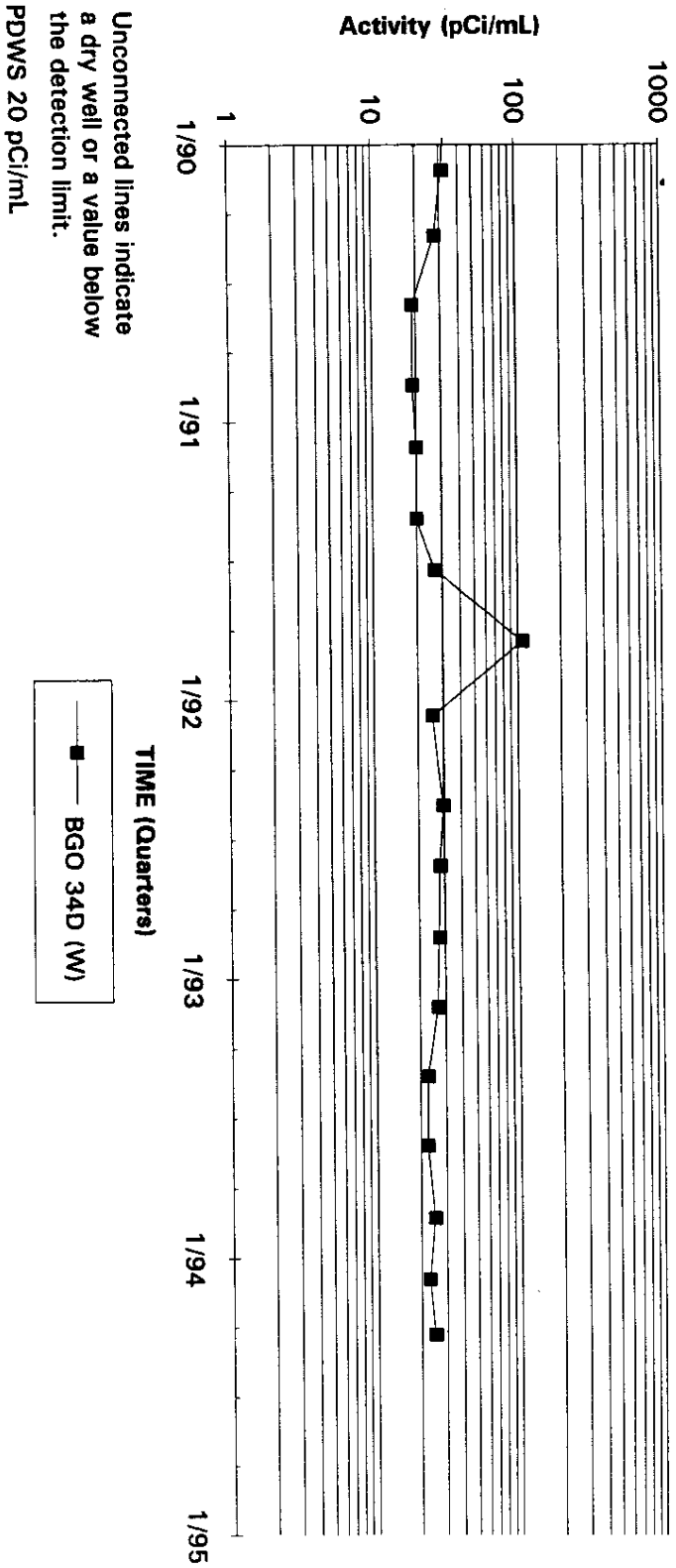
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 33



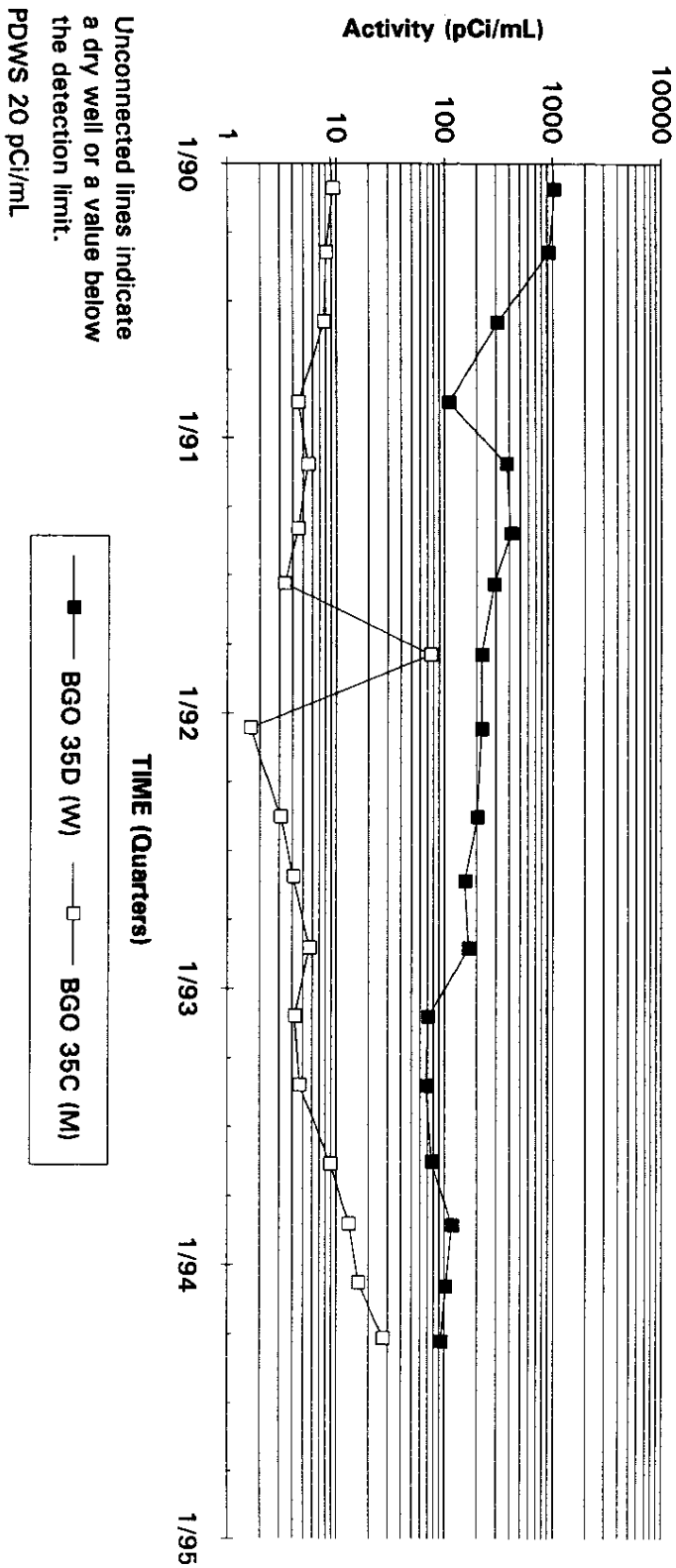
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 34D



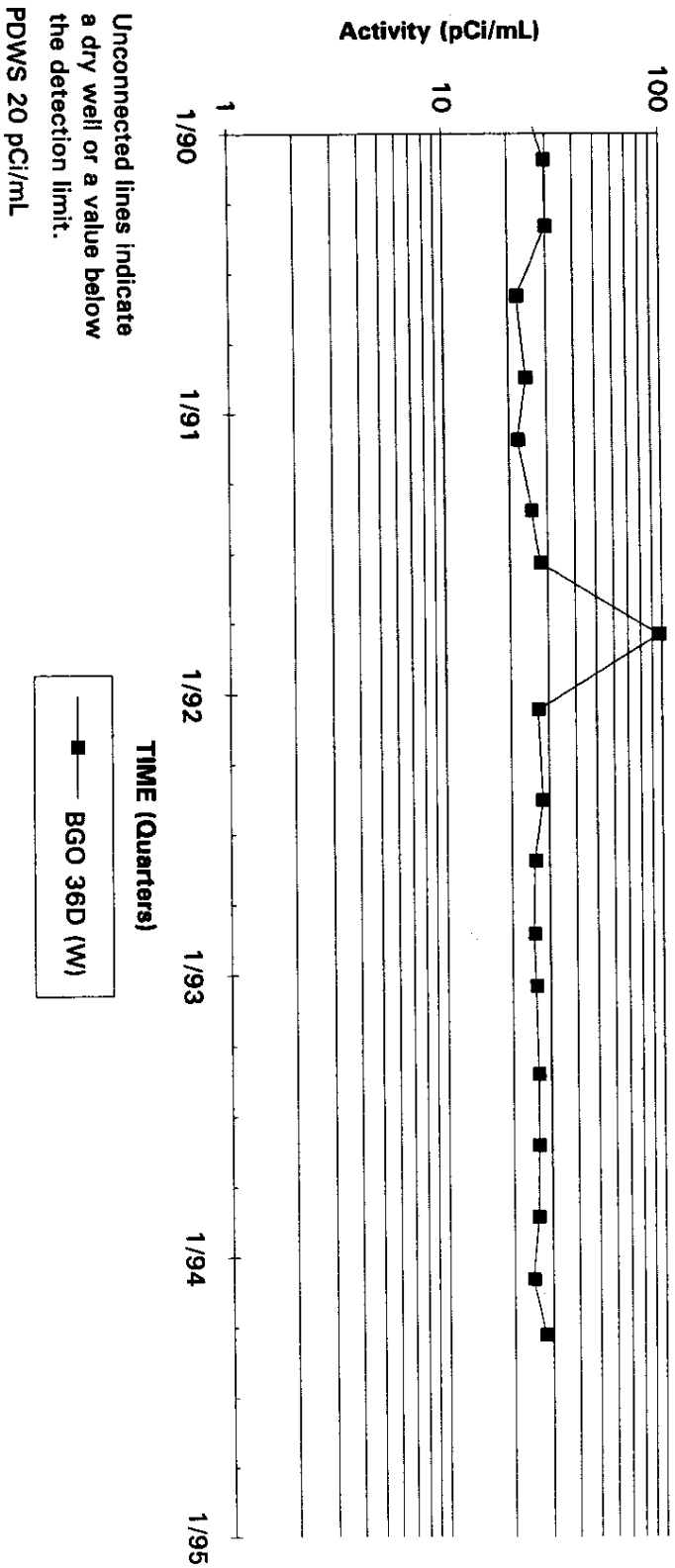
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 35



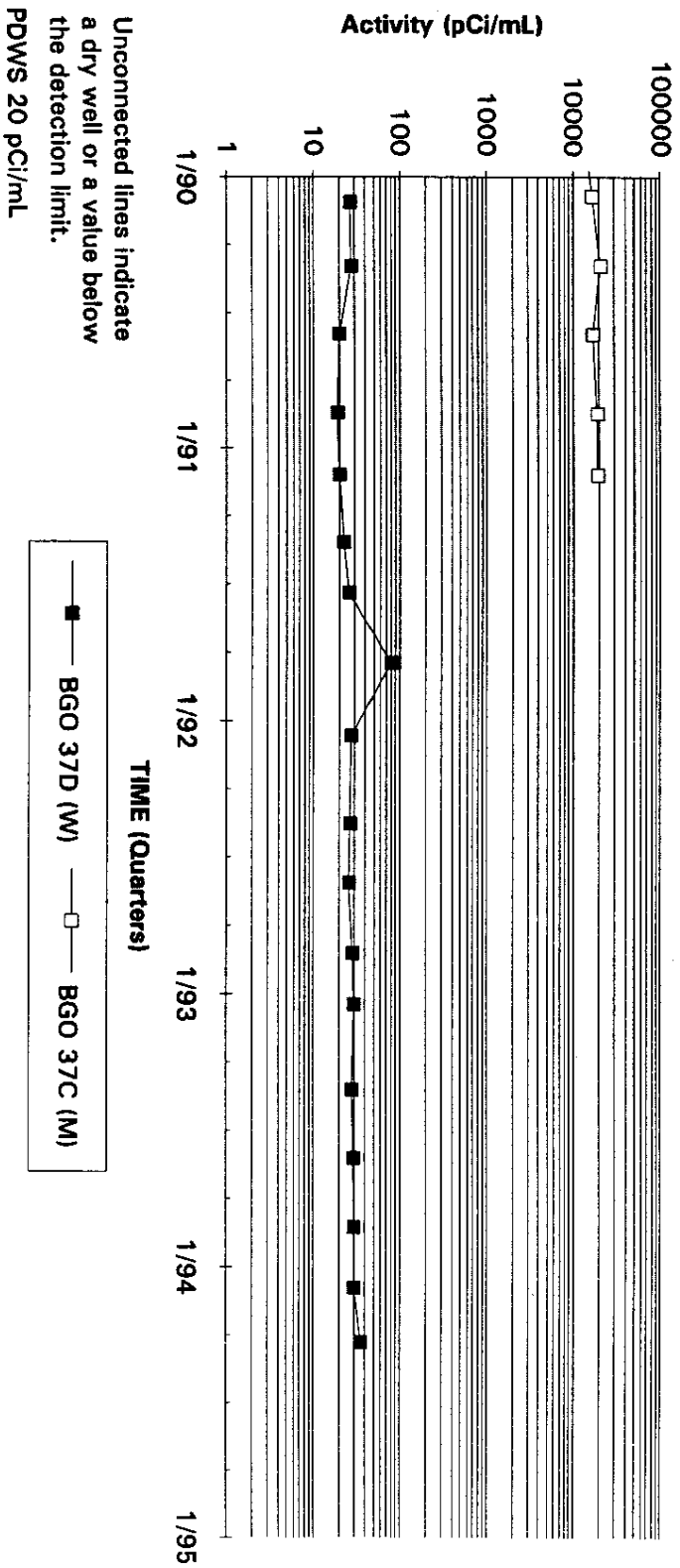
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 36D



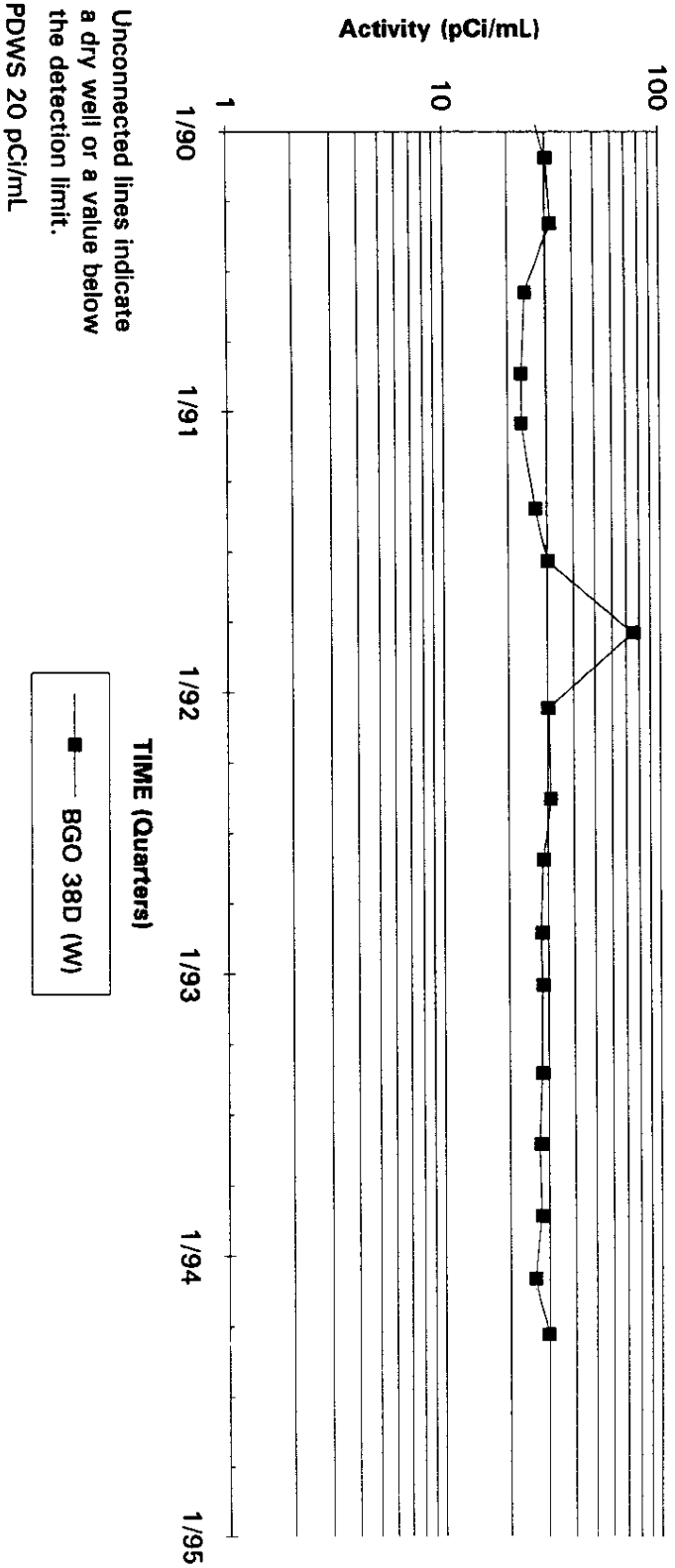
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 37



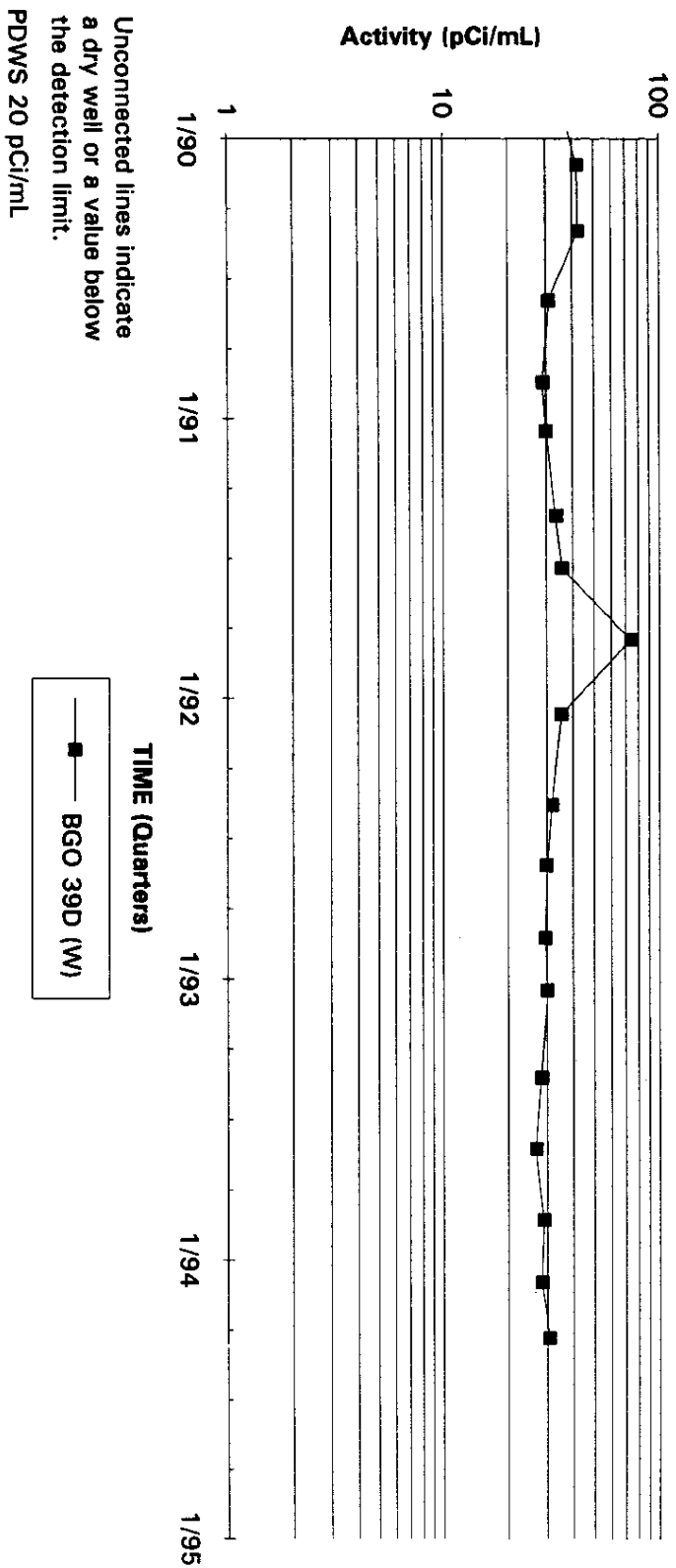
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 38D



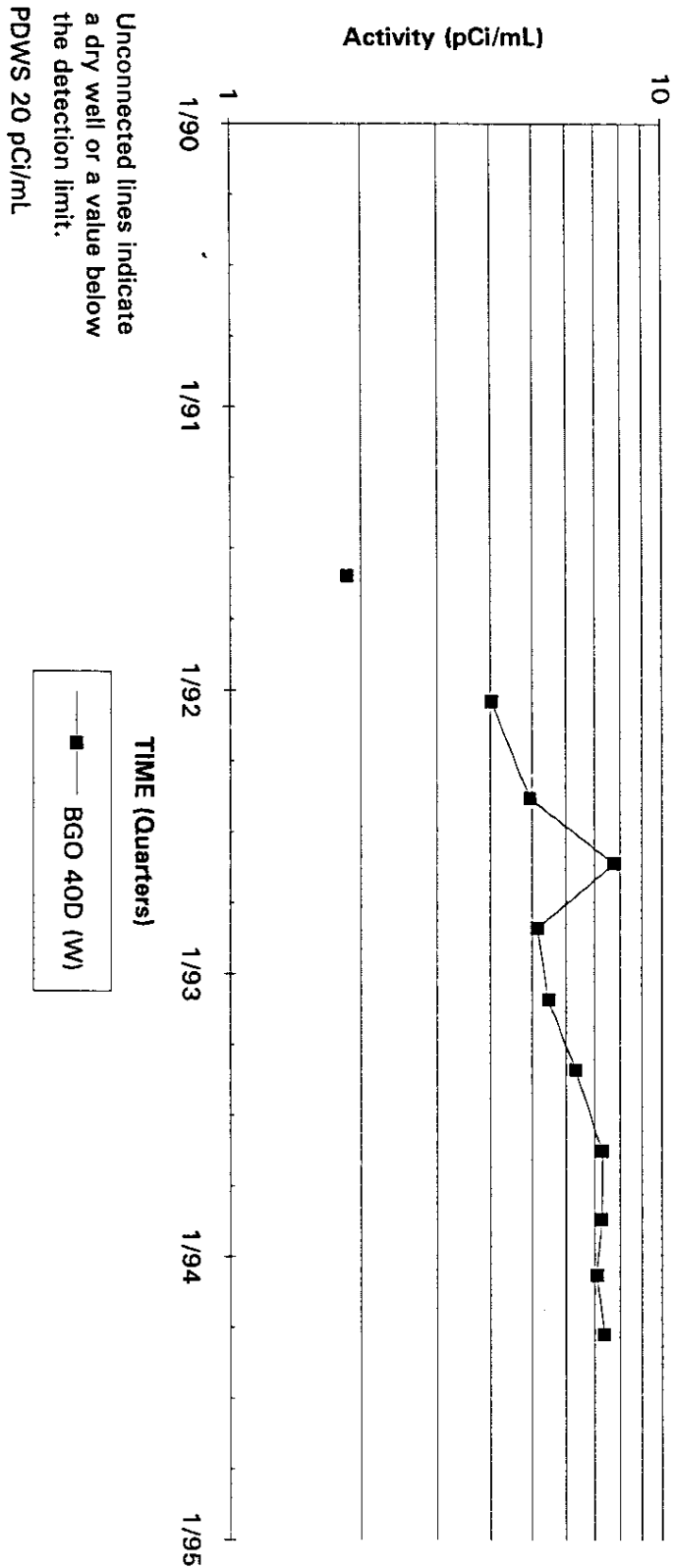
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 39D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

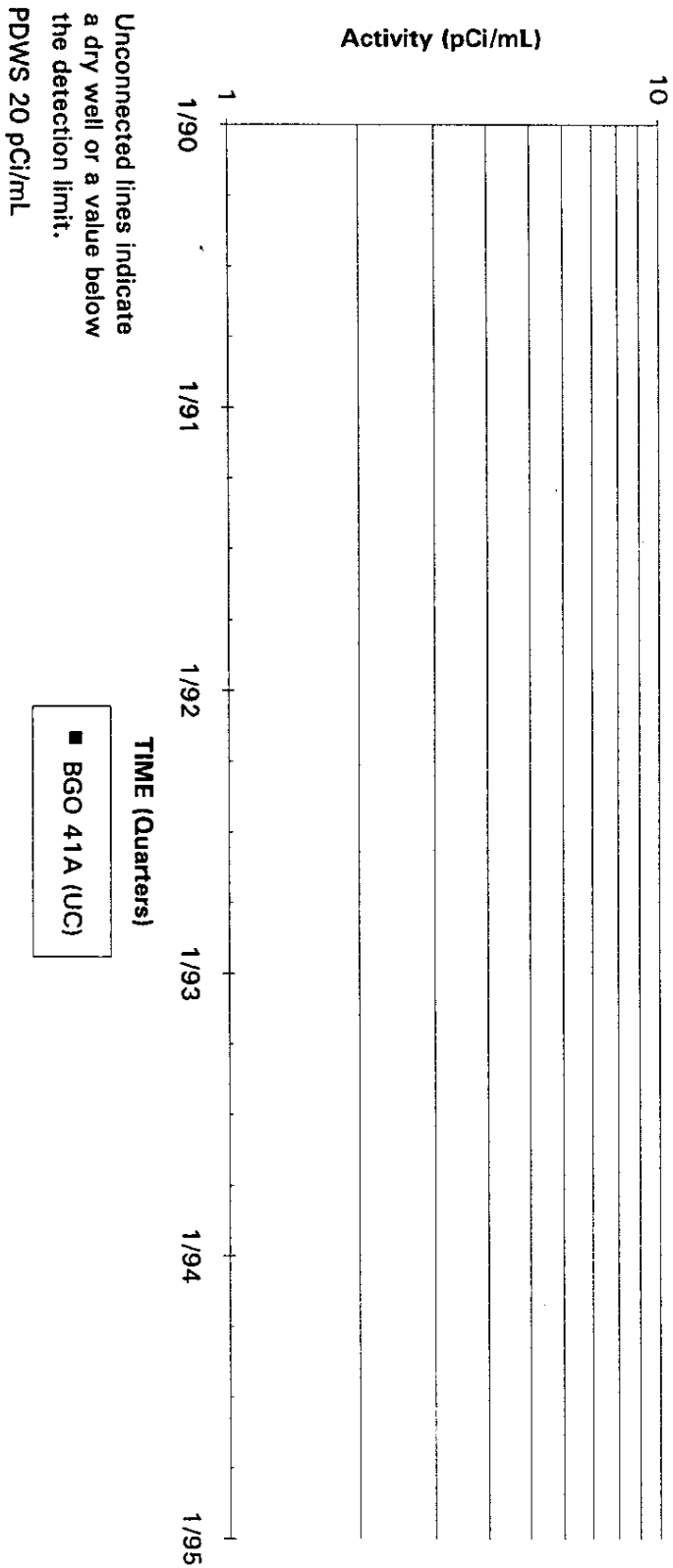
Tritium Activities Well BGO 40D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

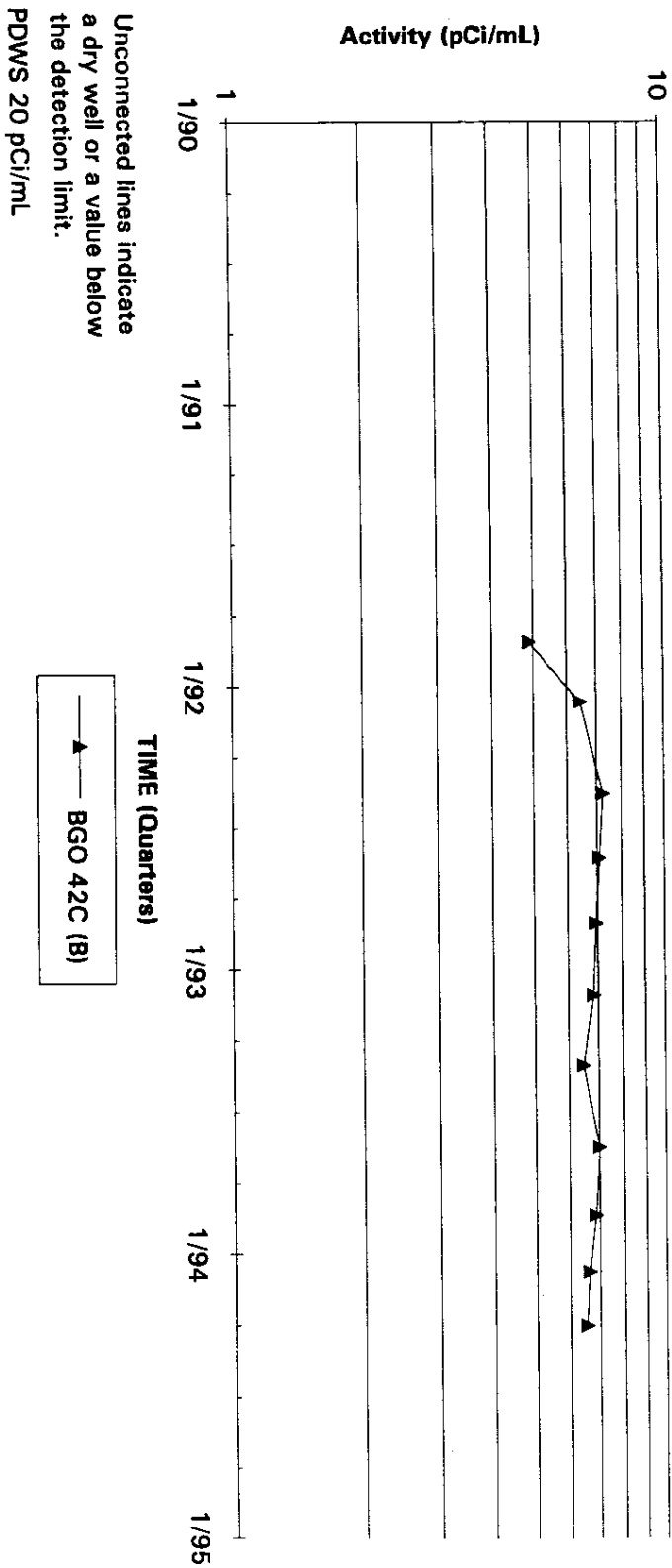
Unconnected lines indicate
a dry well or a value below
the detection limit.
PDWS 20 pCi/mL

Tritium Activities Well BGO 41A



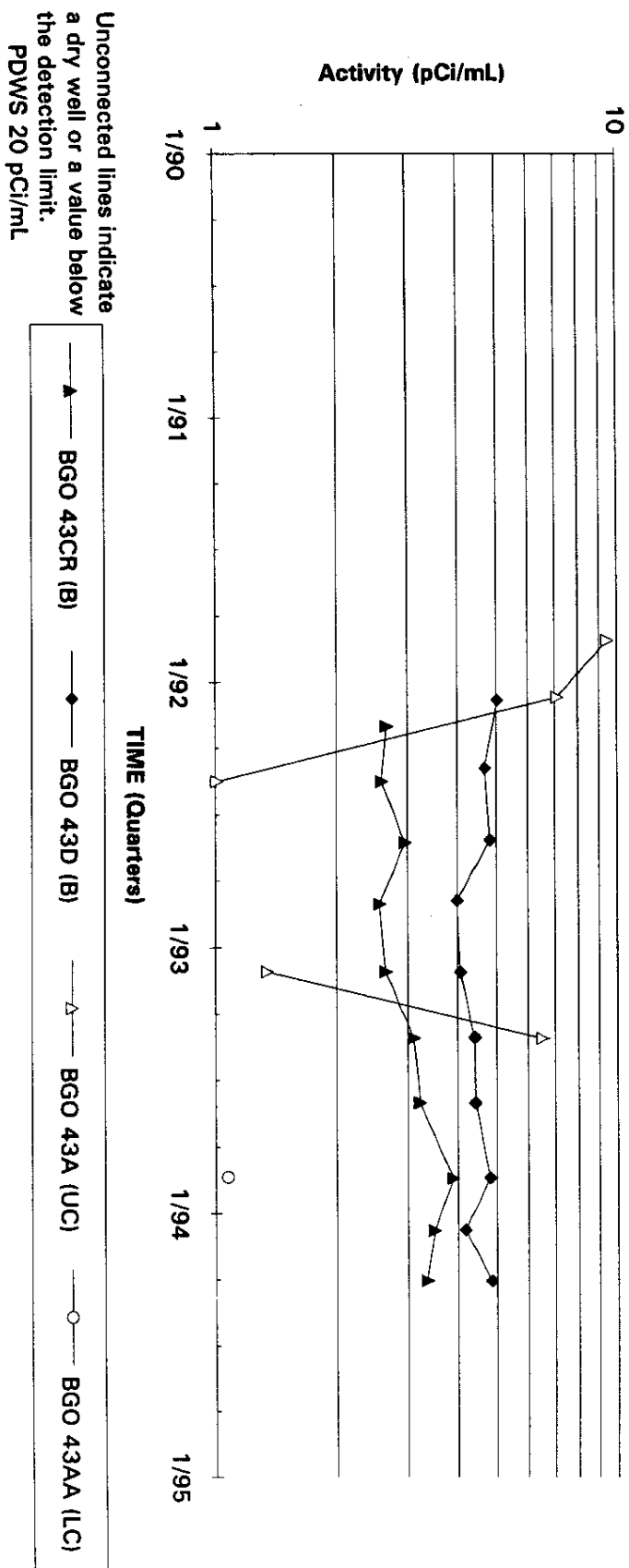
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 42C



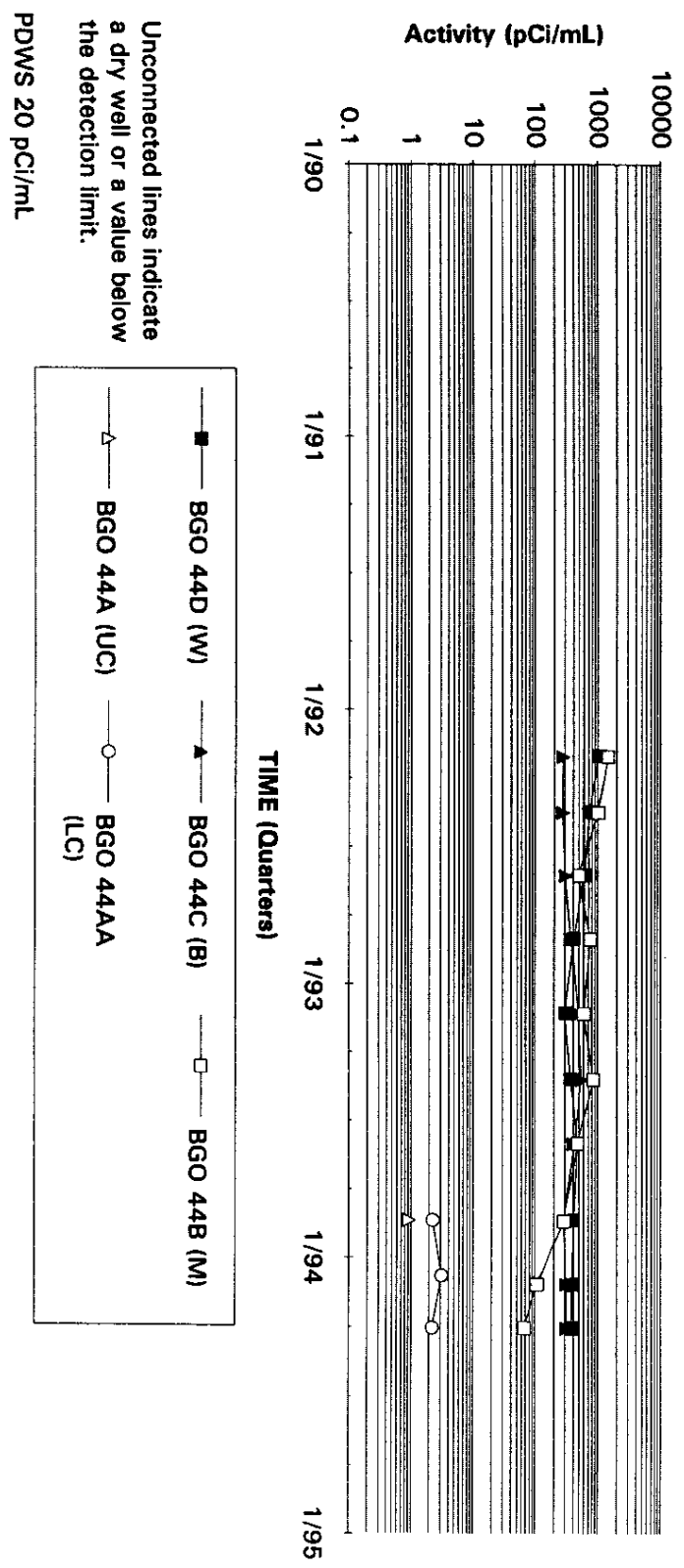
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 43



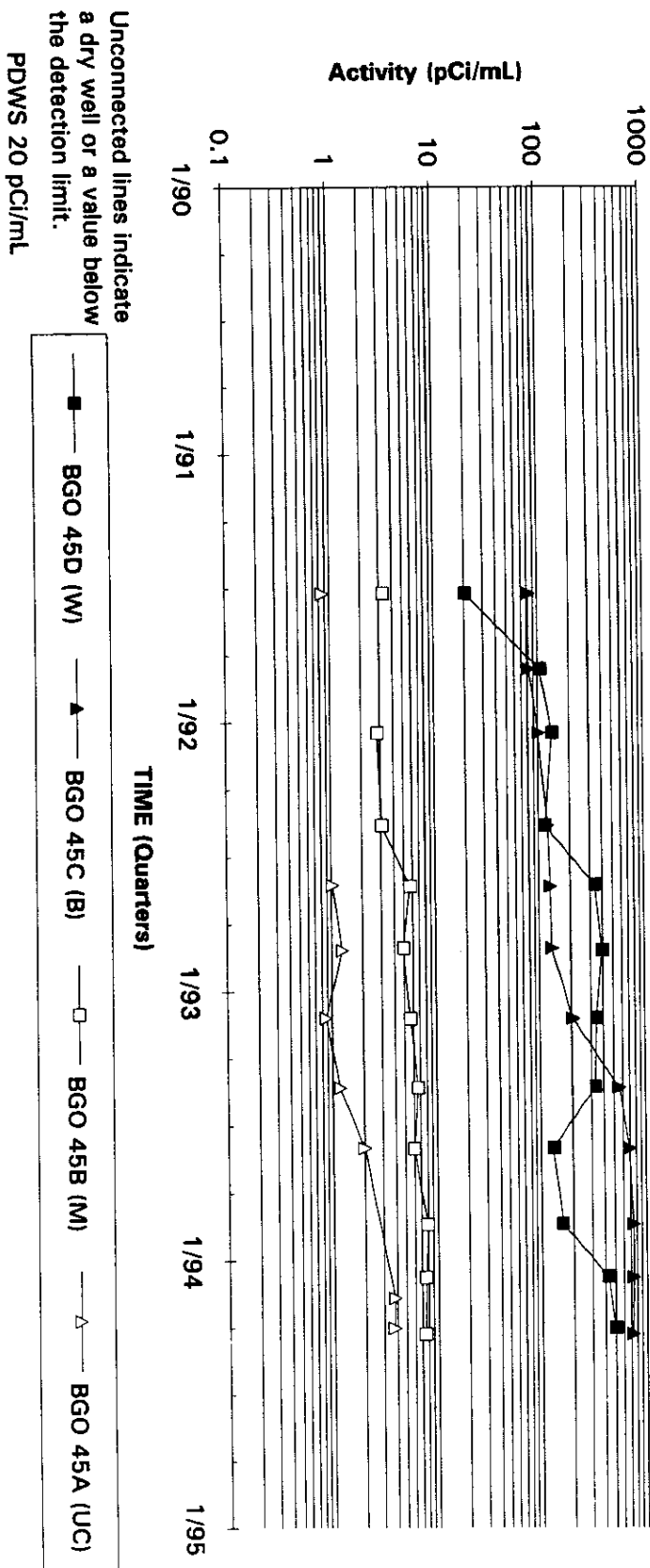
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 44



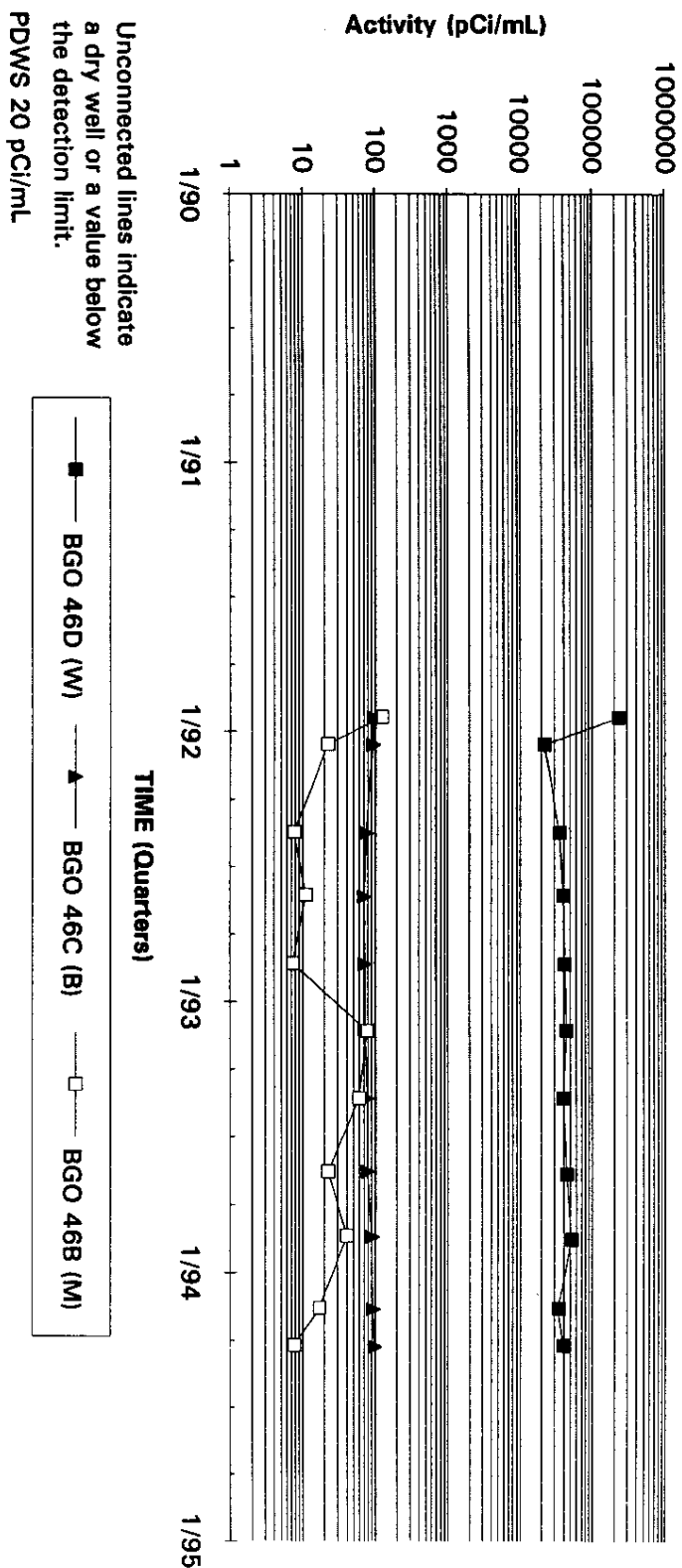
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 45



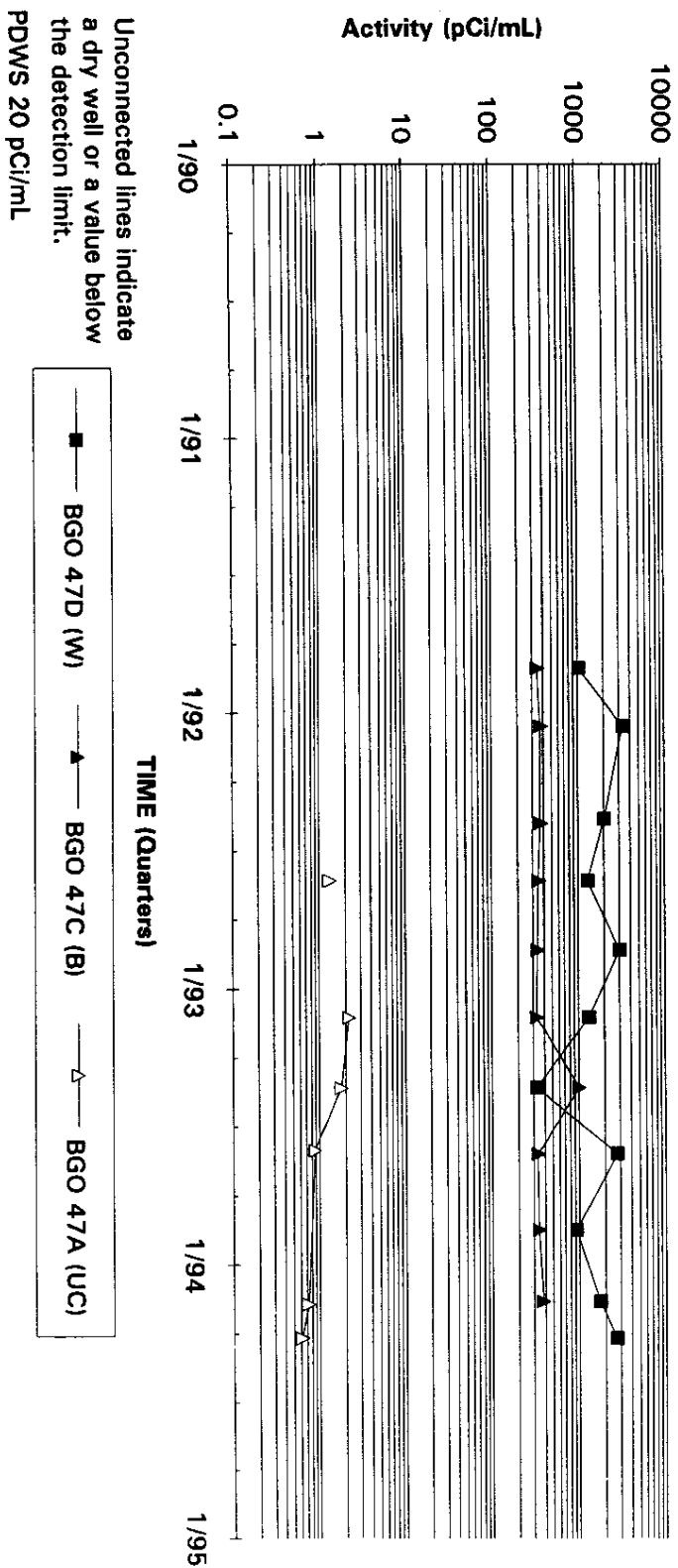
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 46



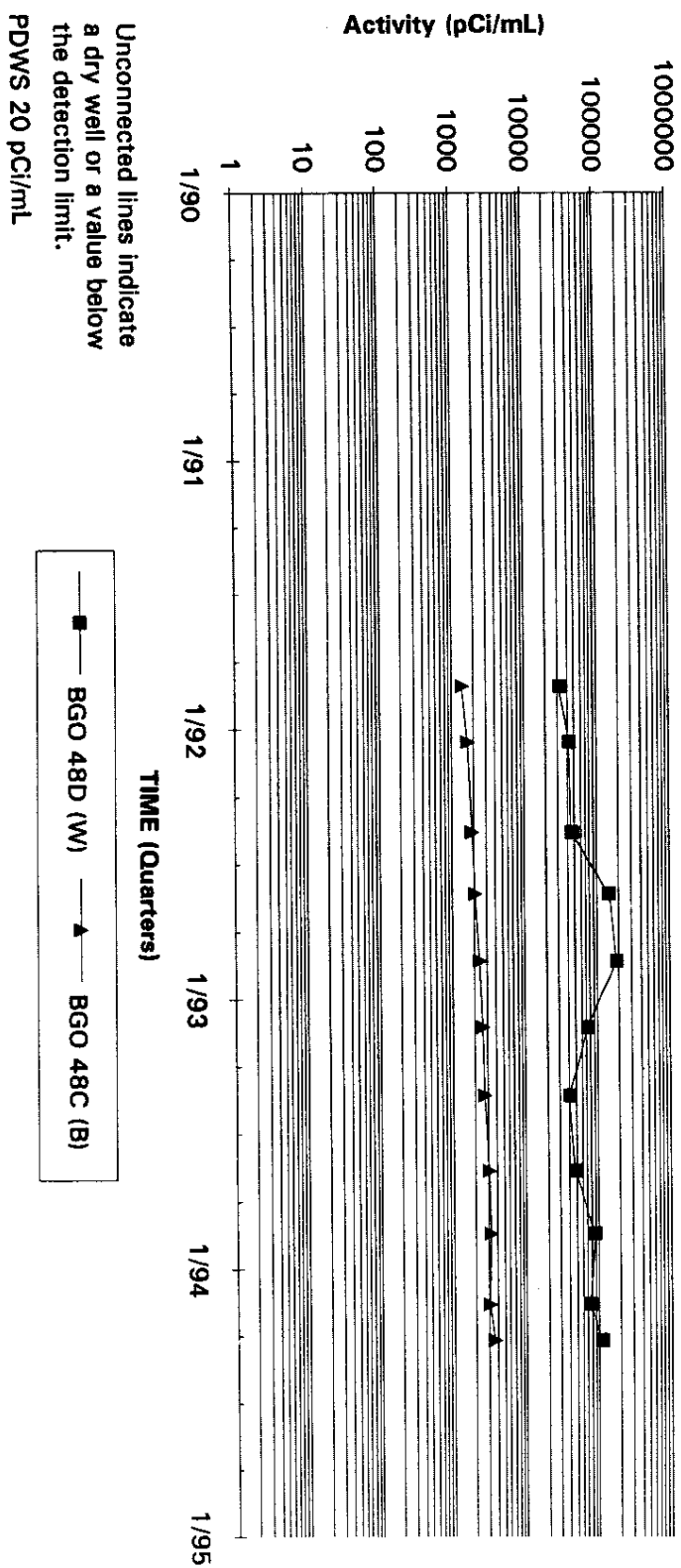
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 47



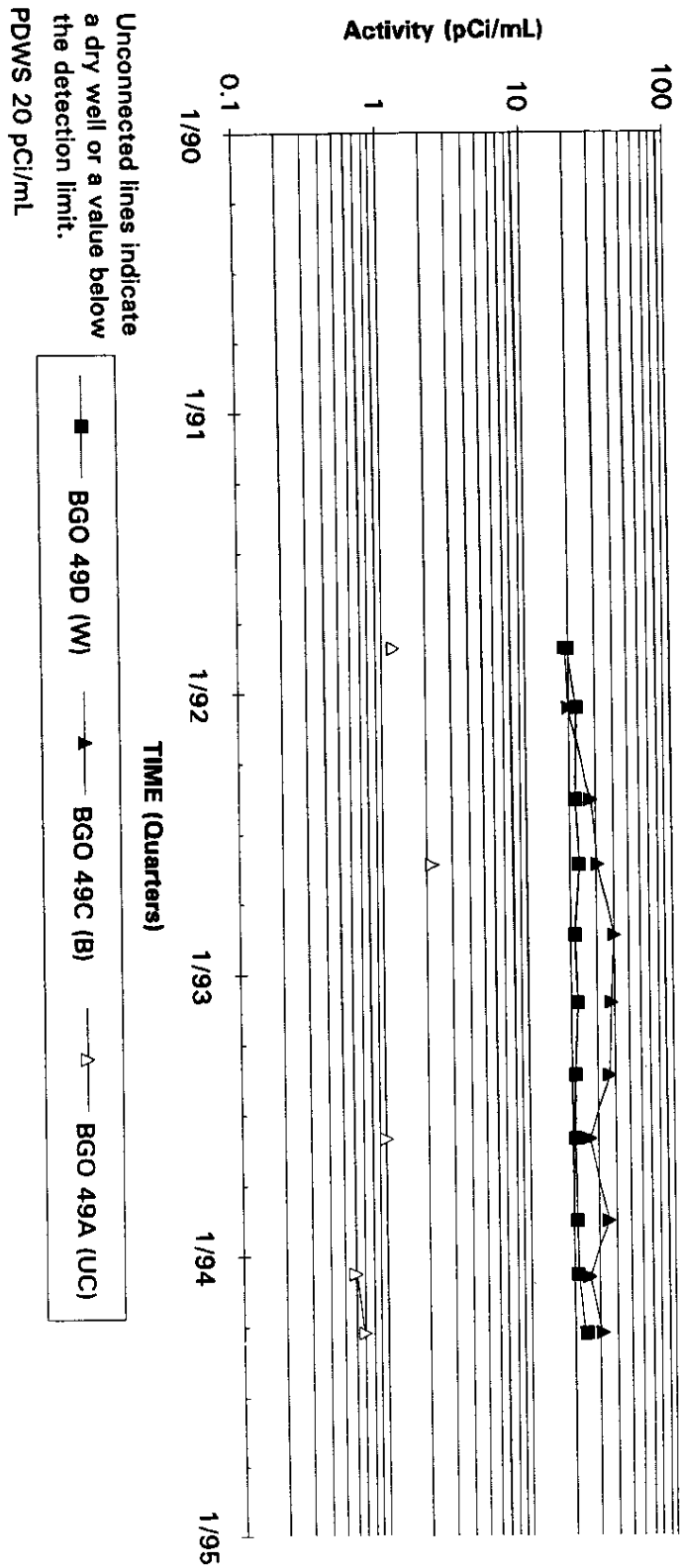
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 48



Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

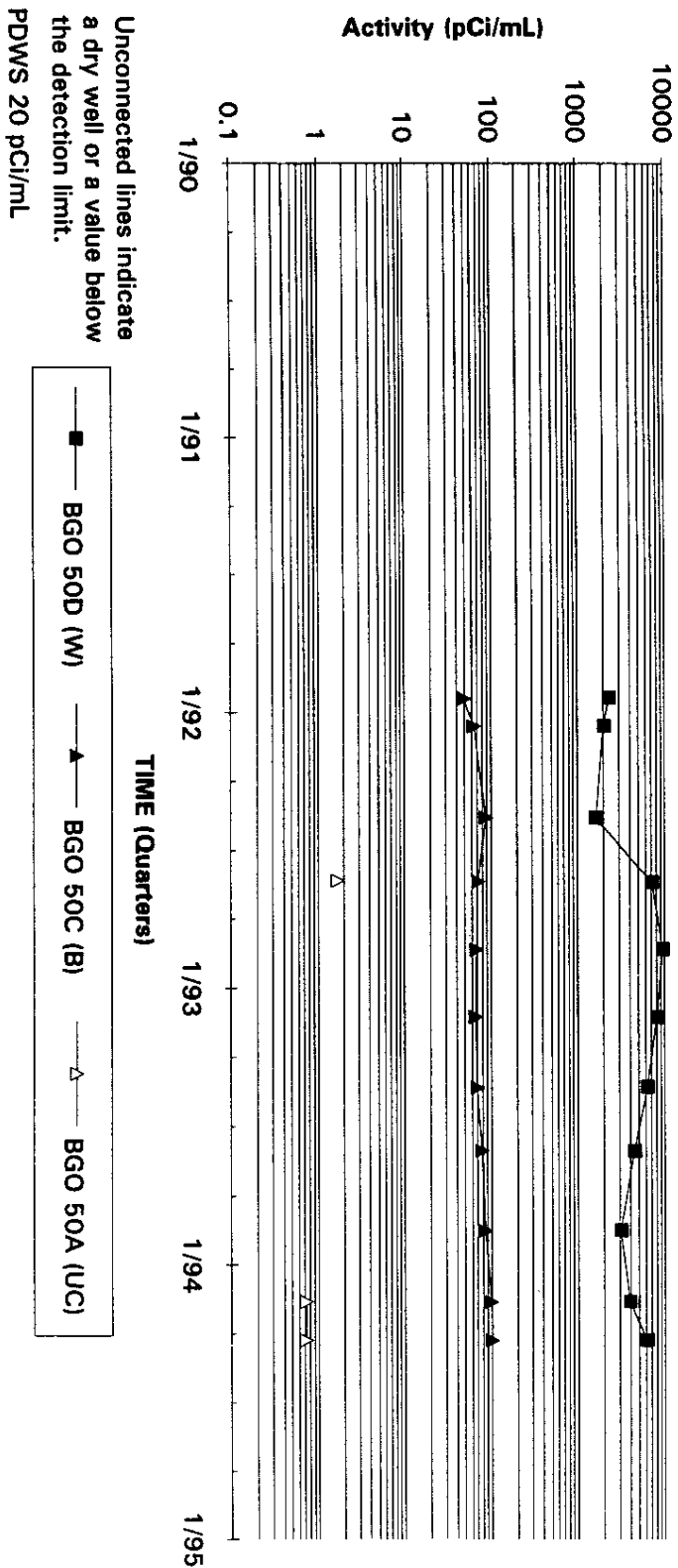
Tritium Activities Well Cluster BGO 49



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

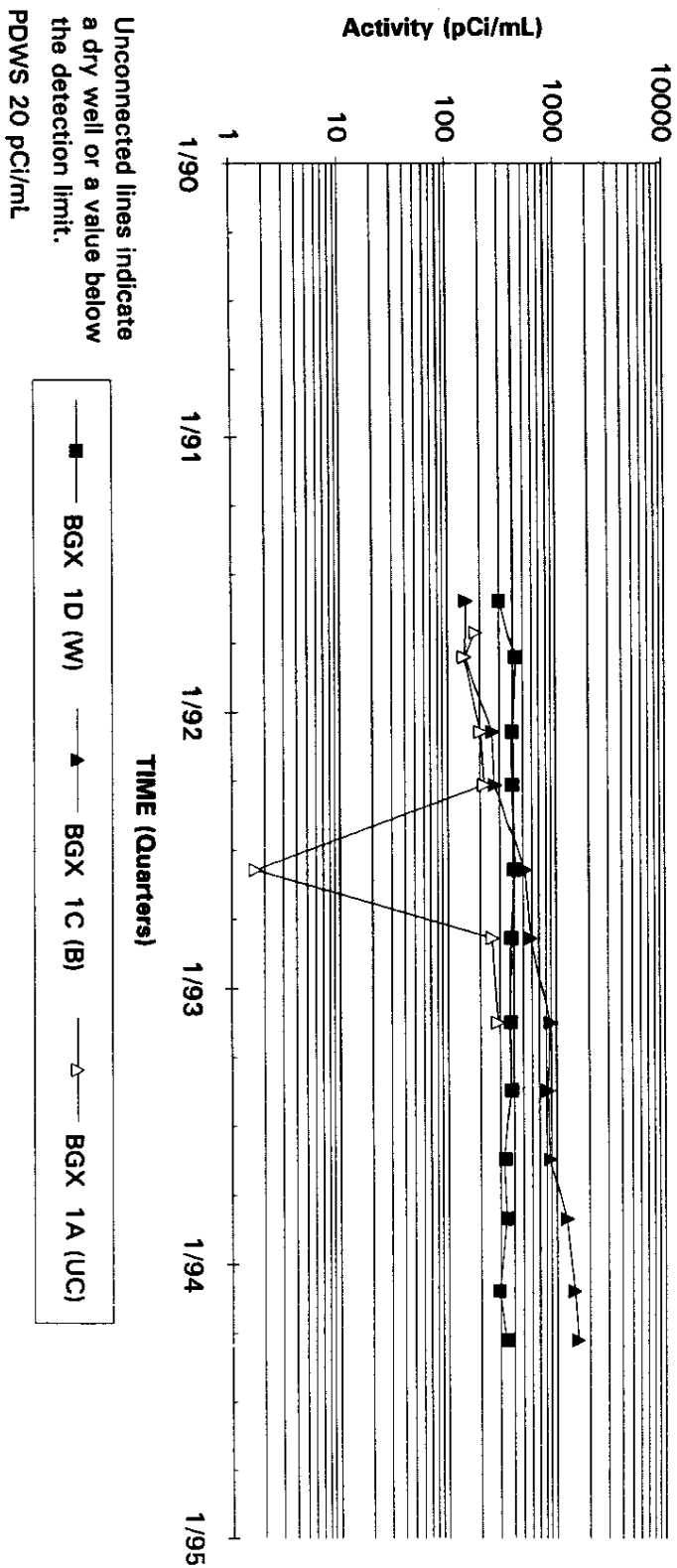
MMW/F

Tritium Activities Well Cluster BGO 50



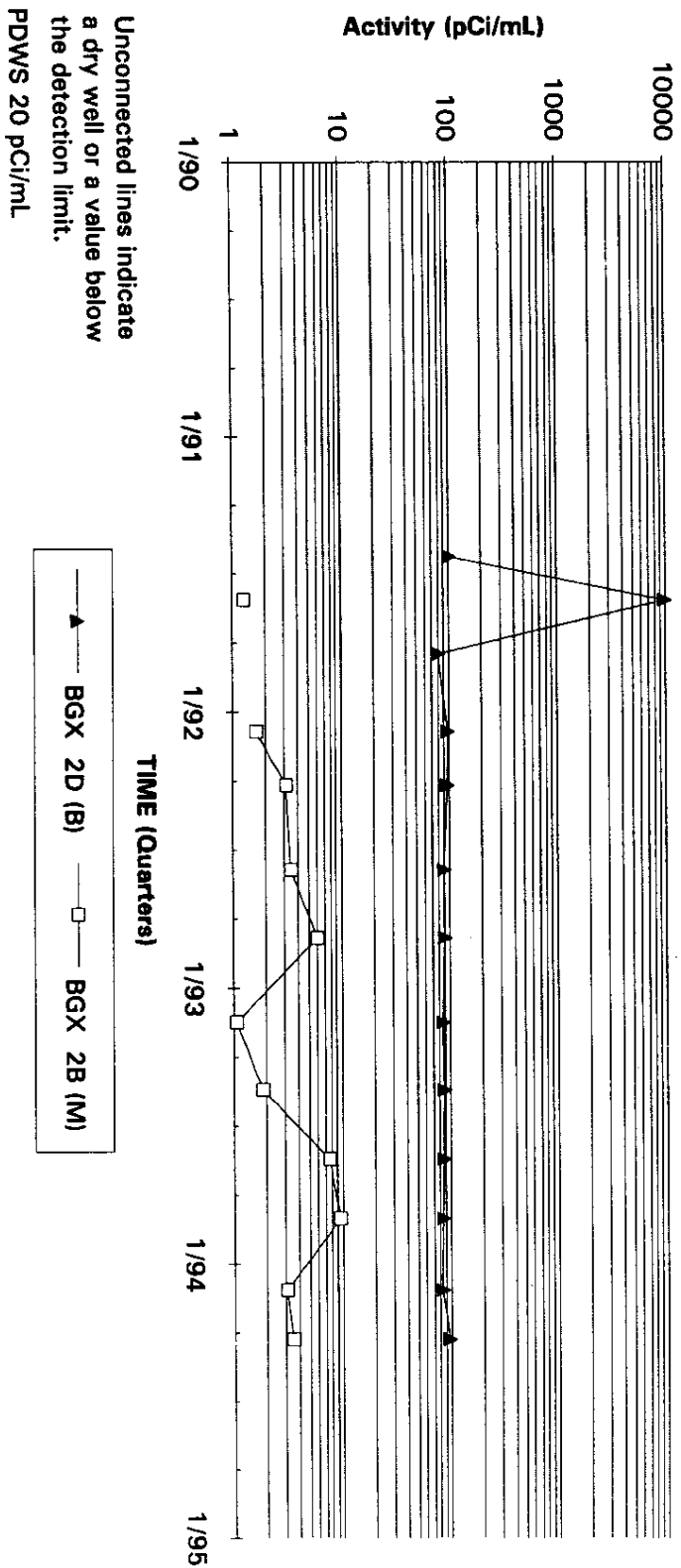
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 1



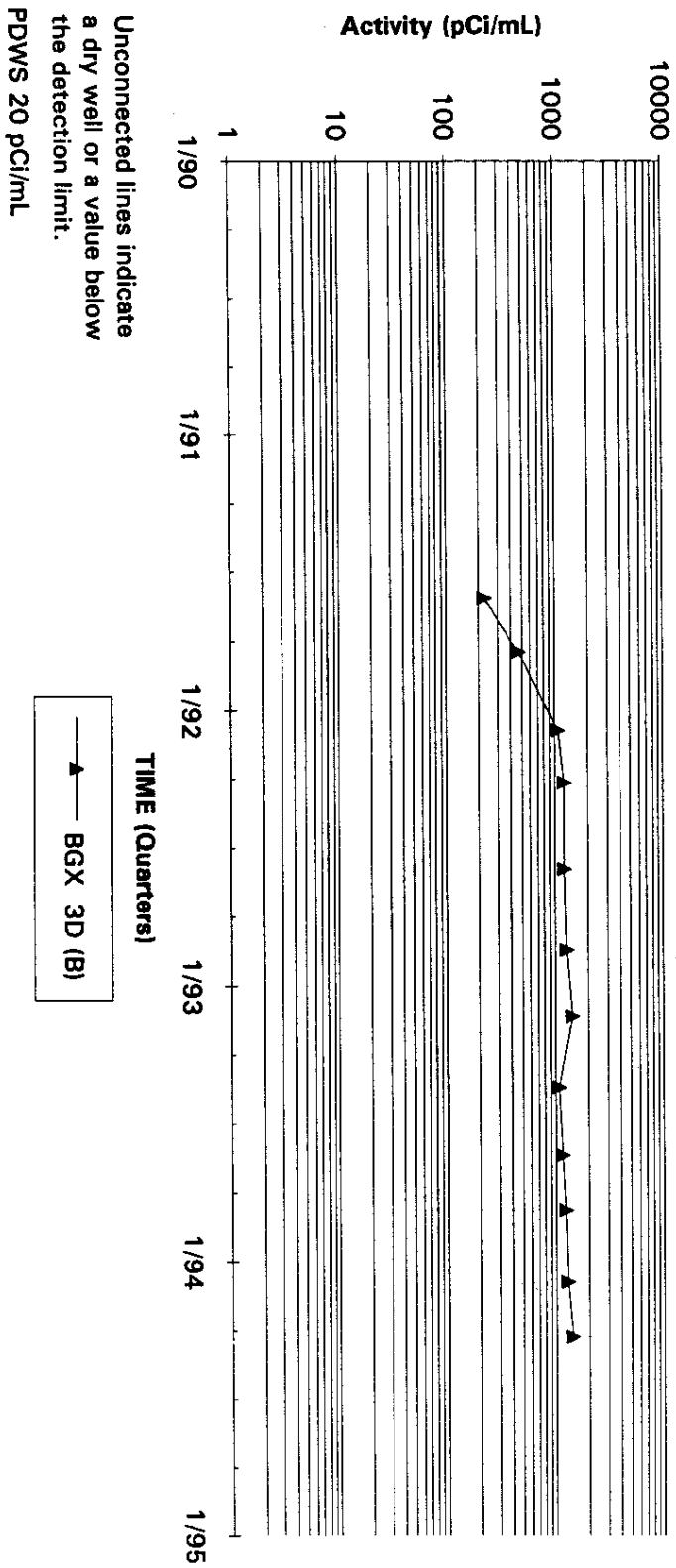
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 2



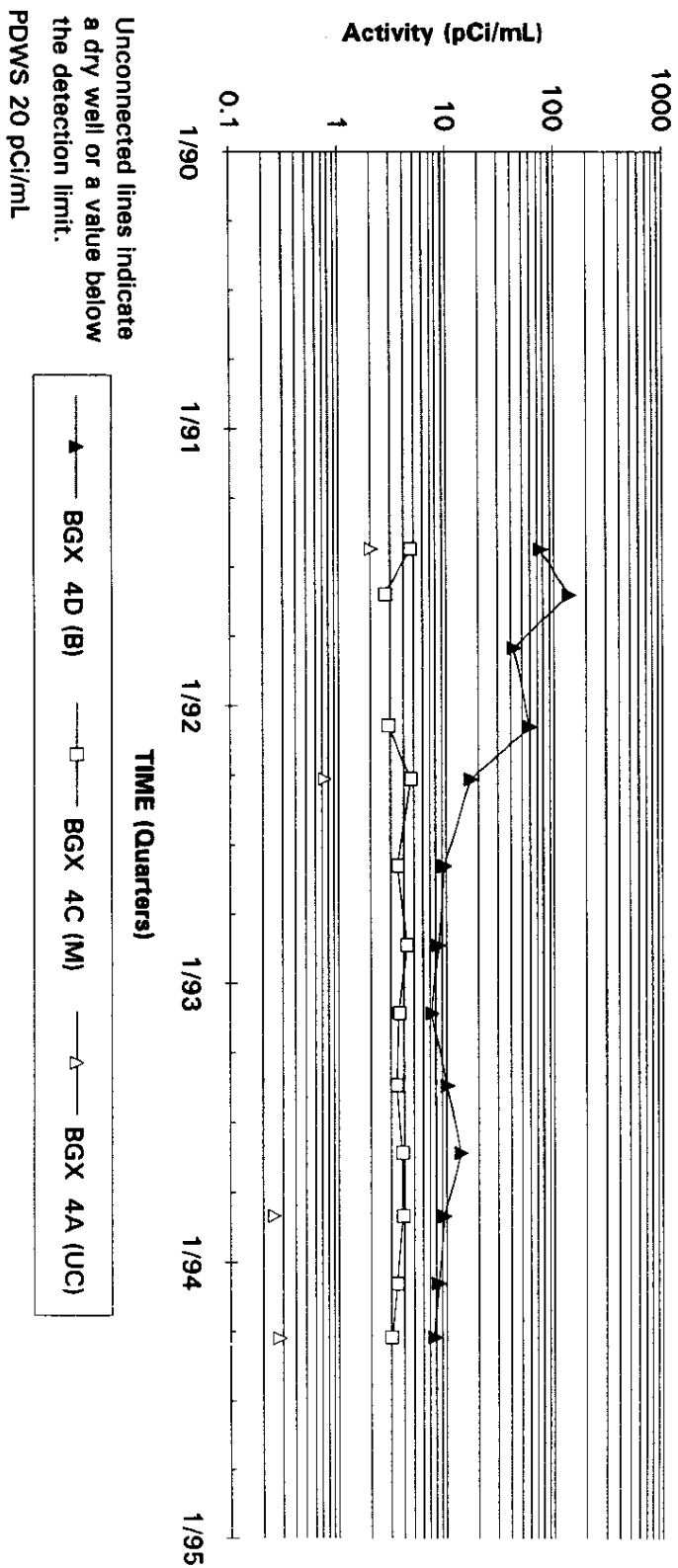
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 3D



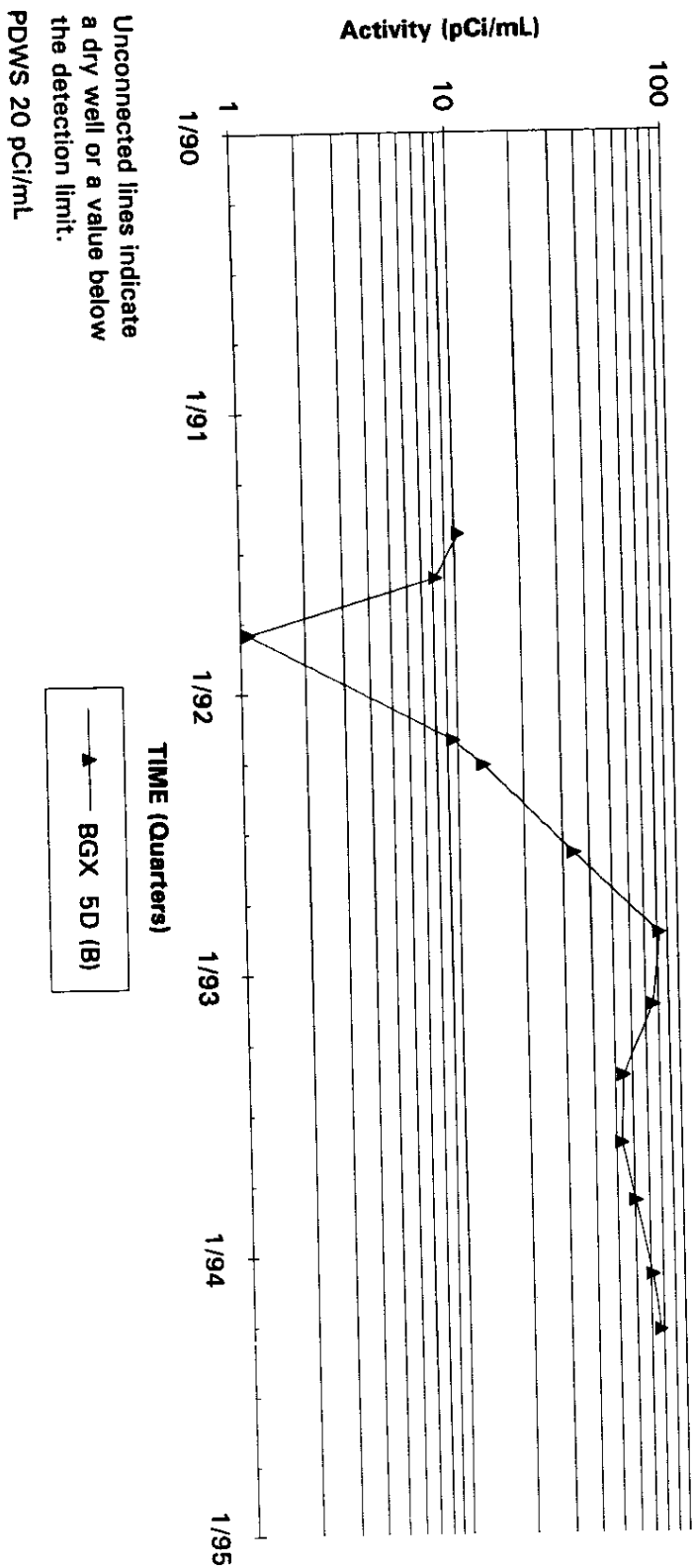
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 4



Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 5D

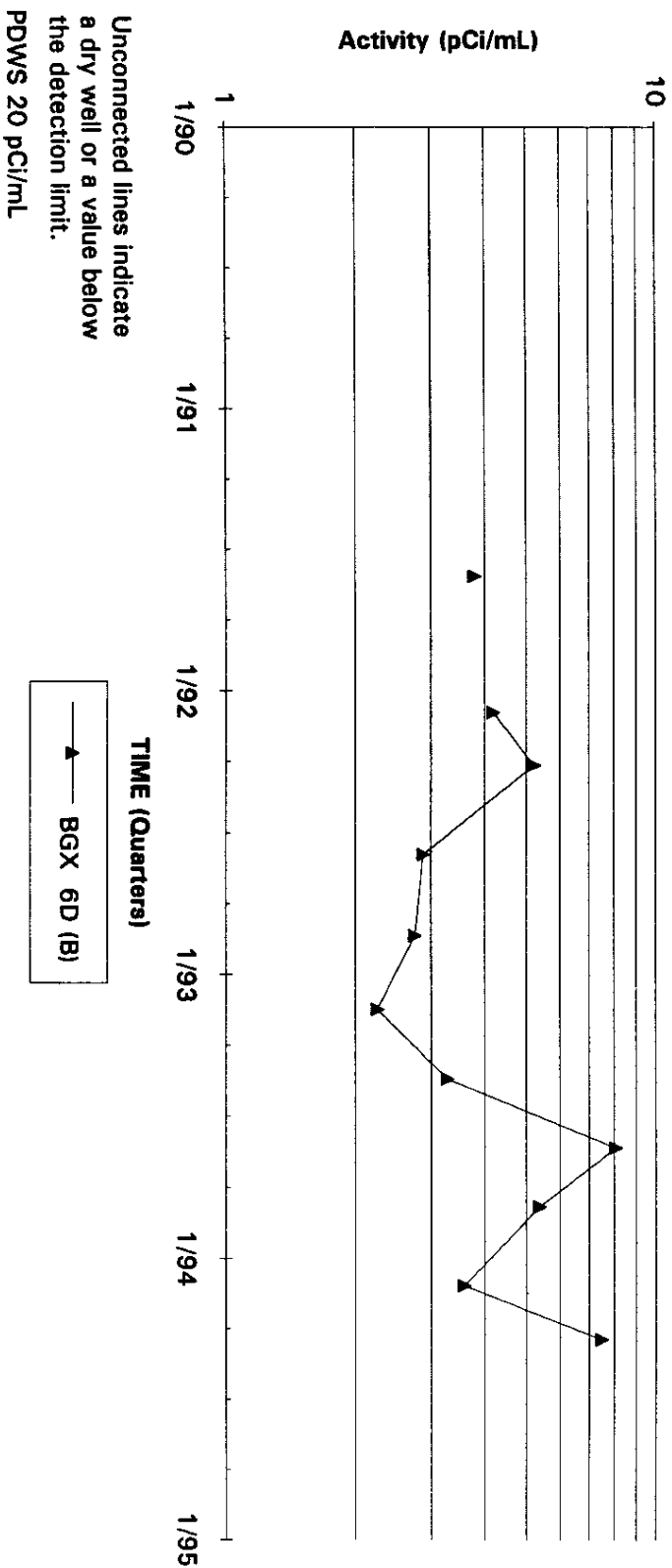


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

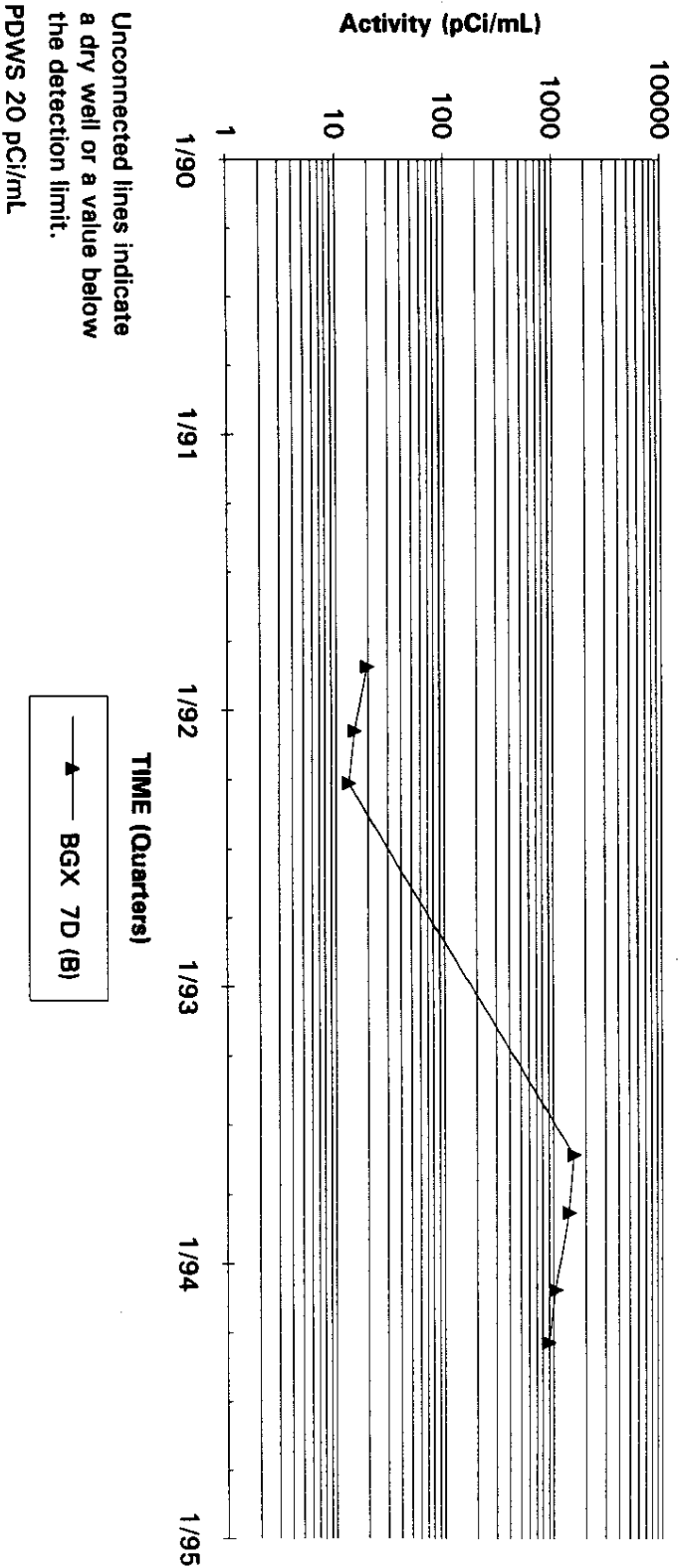
Second Quarter 1994

Tritium Activities Well BGX 6D



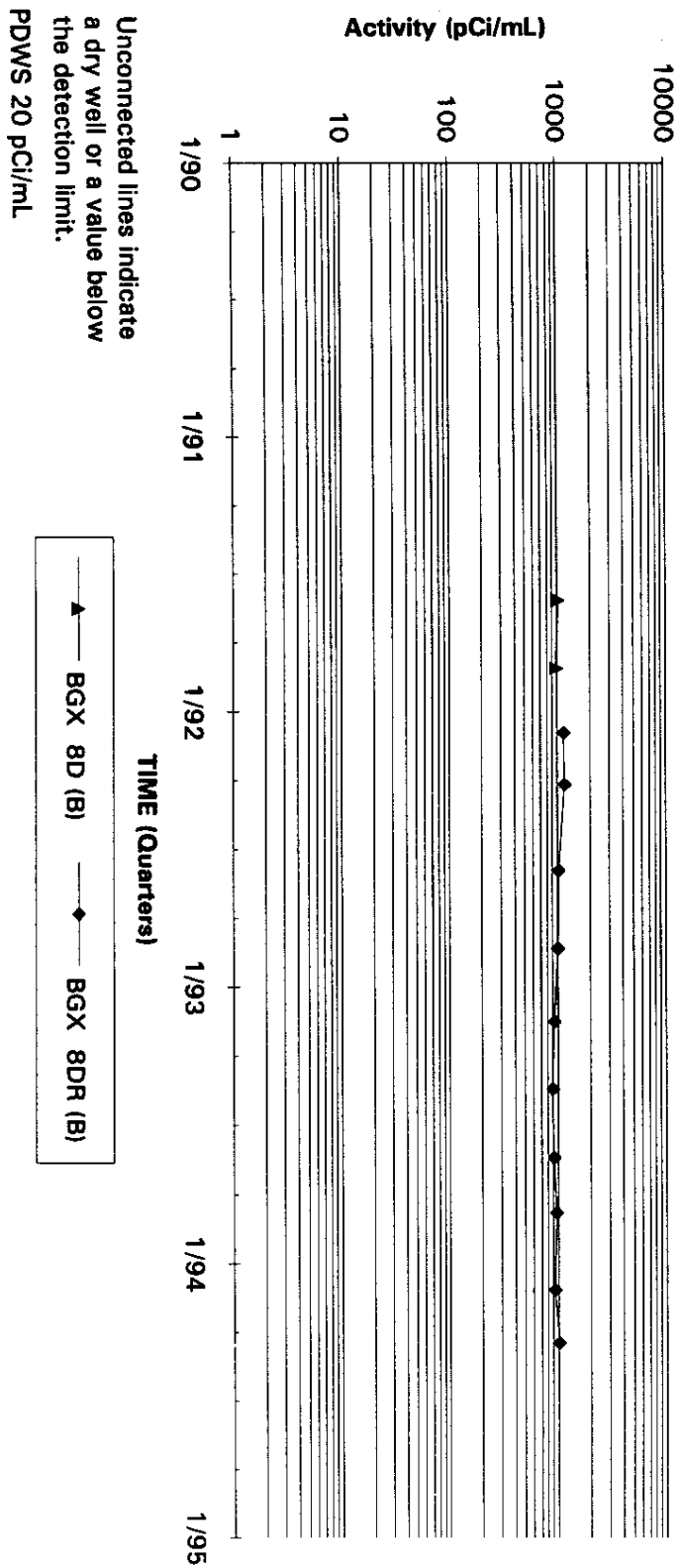
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 7D



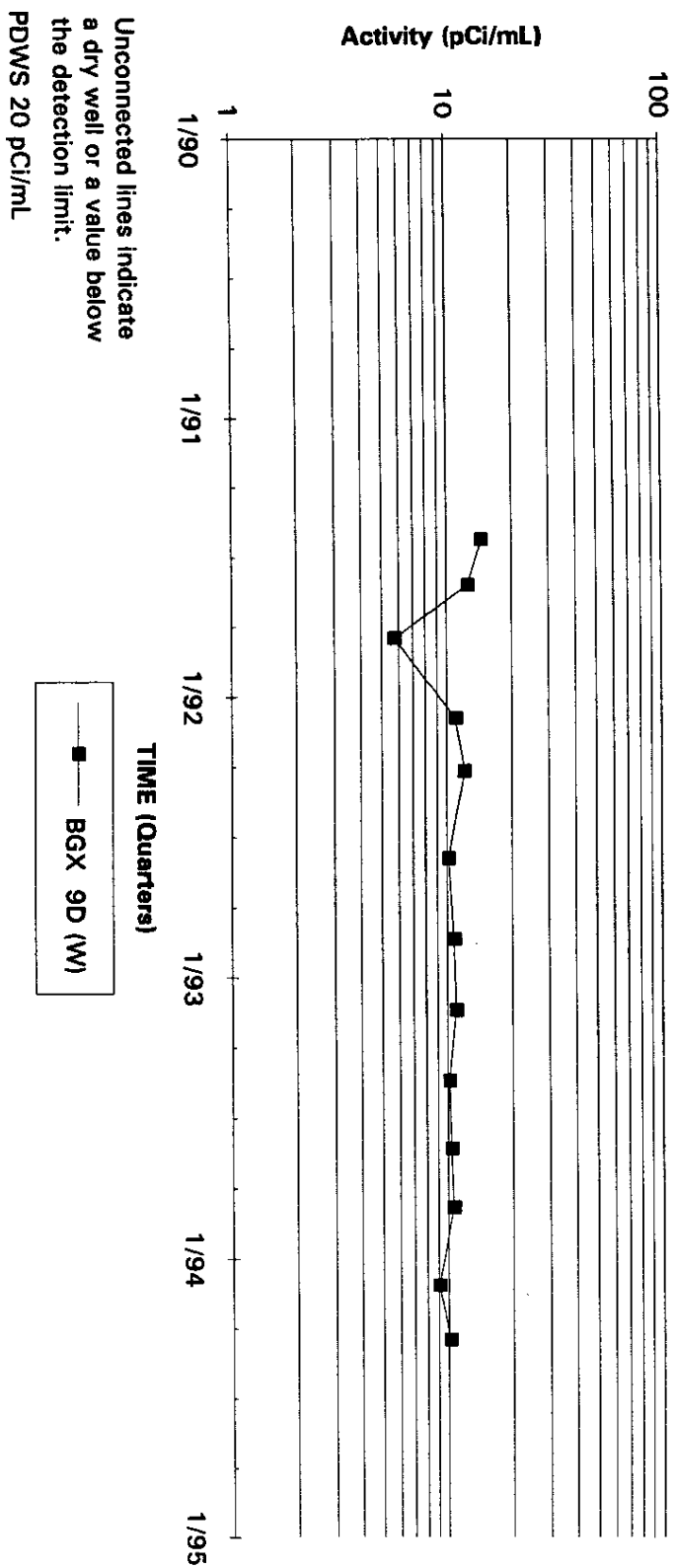
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 8



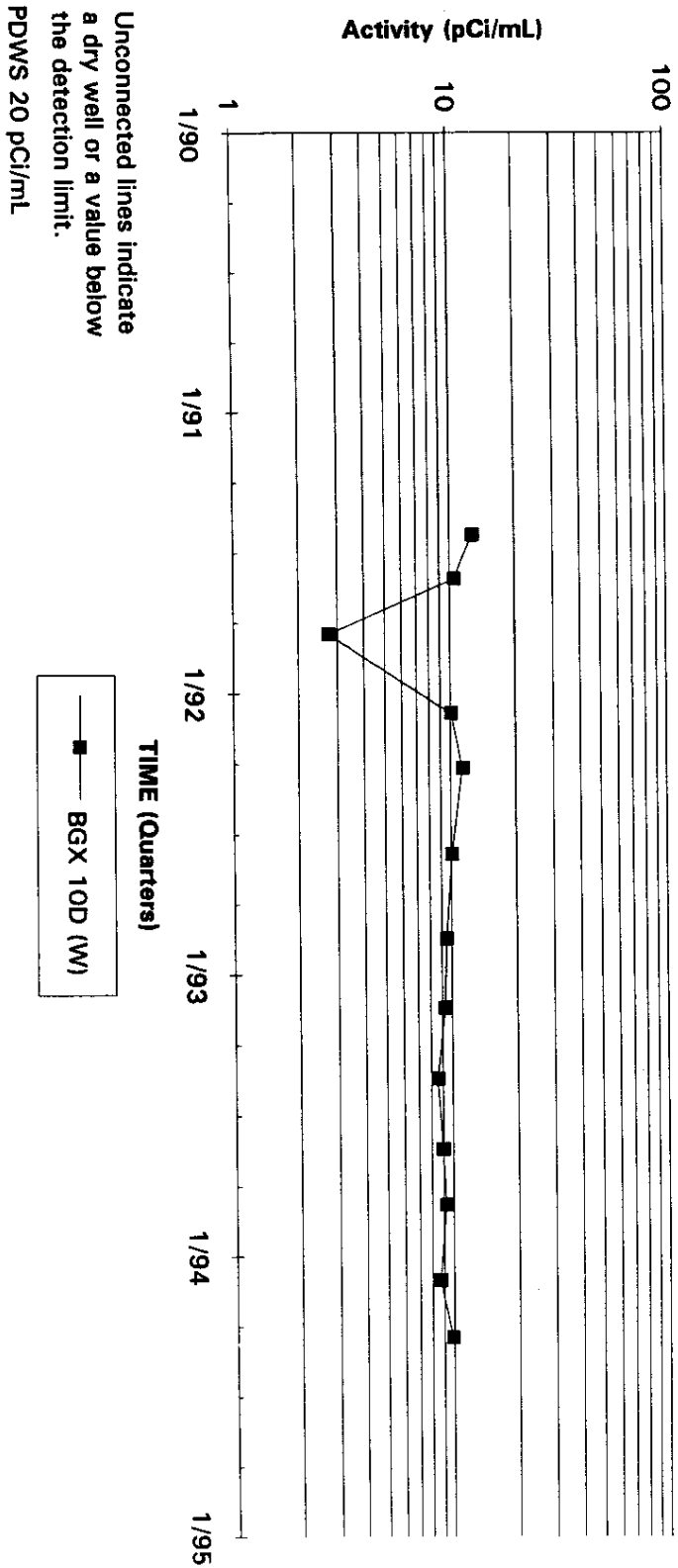
Note: W=Water Table (11B2), B=Barnwell (11B1), M=McBean (11B1), UC=Upper Congaree (11A), MC=Middle Congaree (11A), LC=Lower Congaree (11A)

Tritium Activities Well BGX 9D



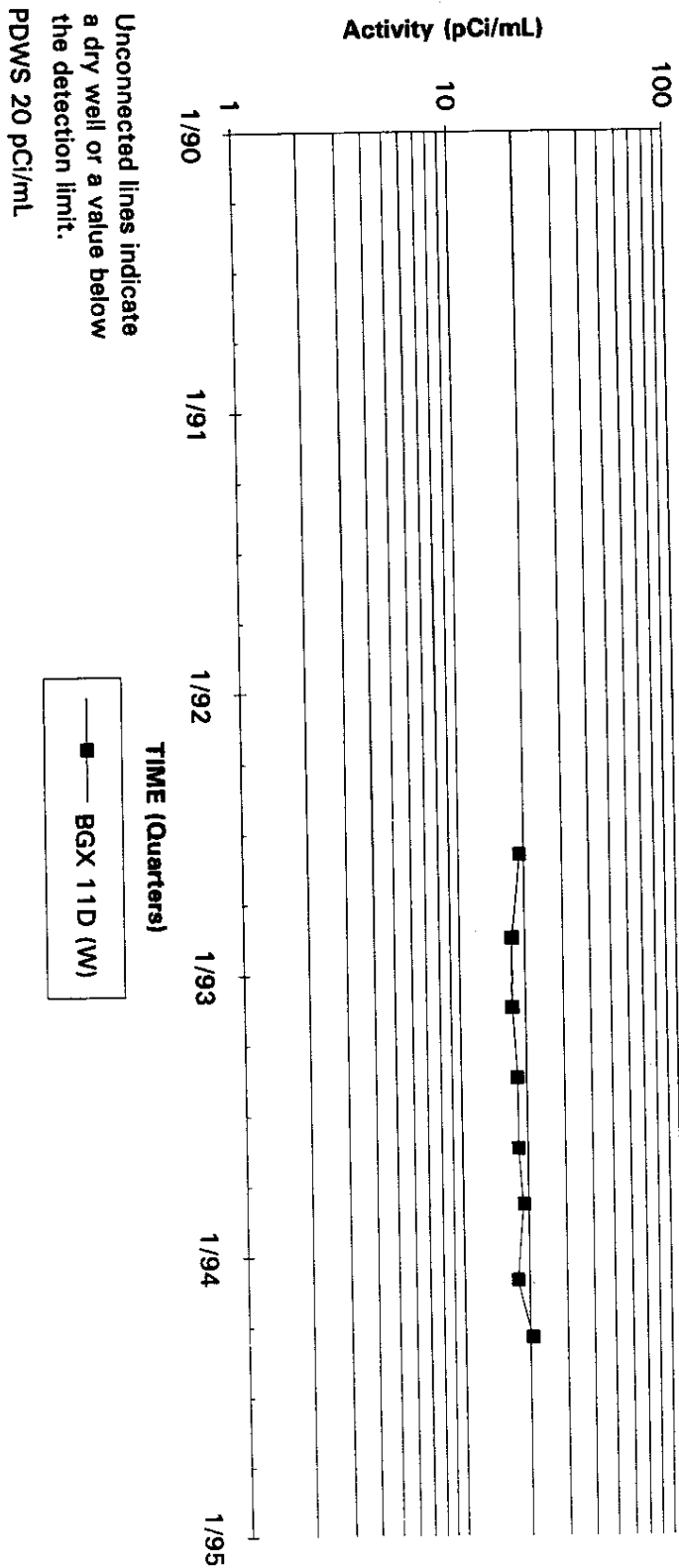
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 10D



Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 11D

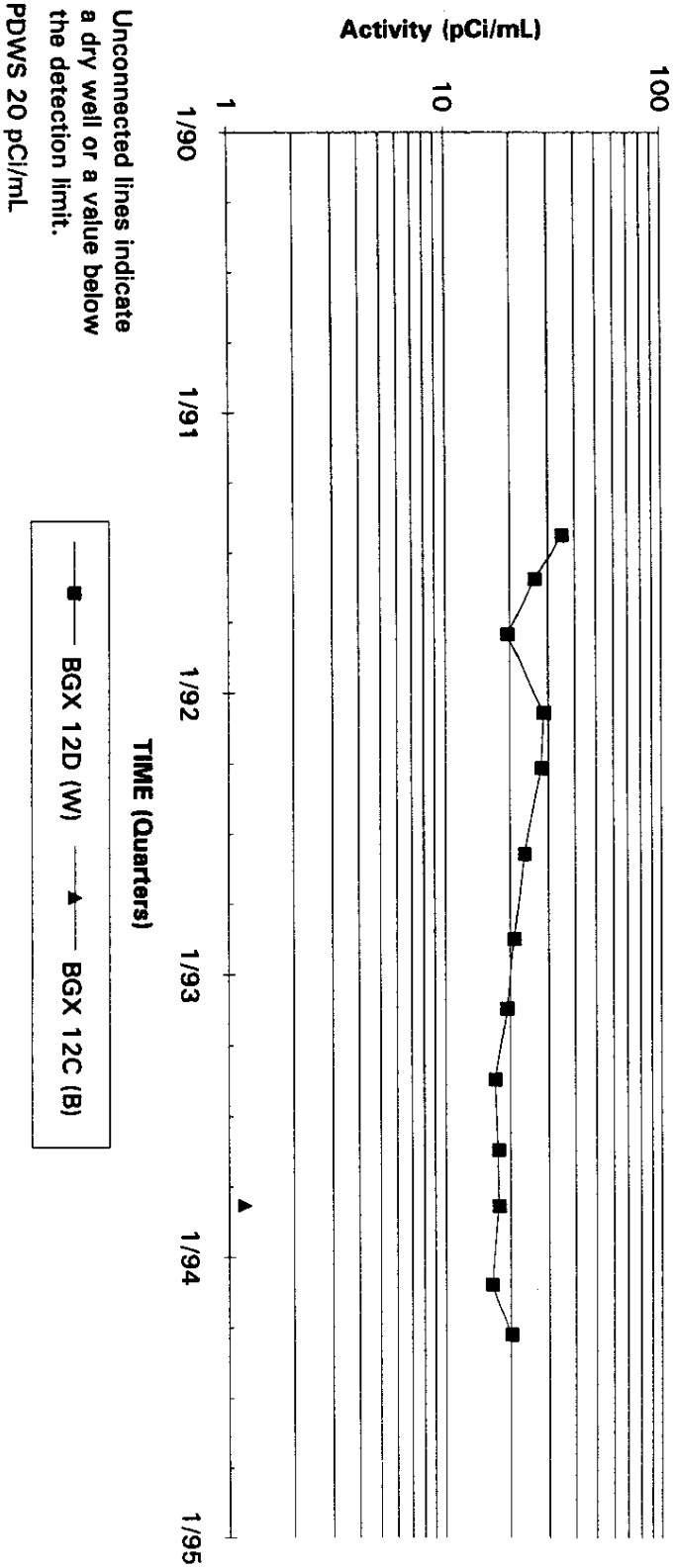


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

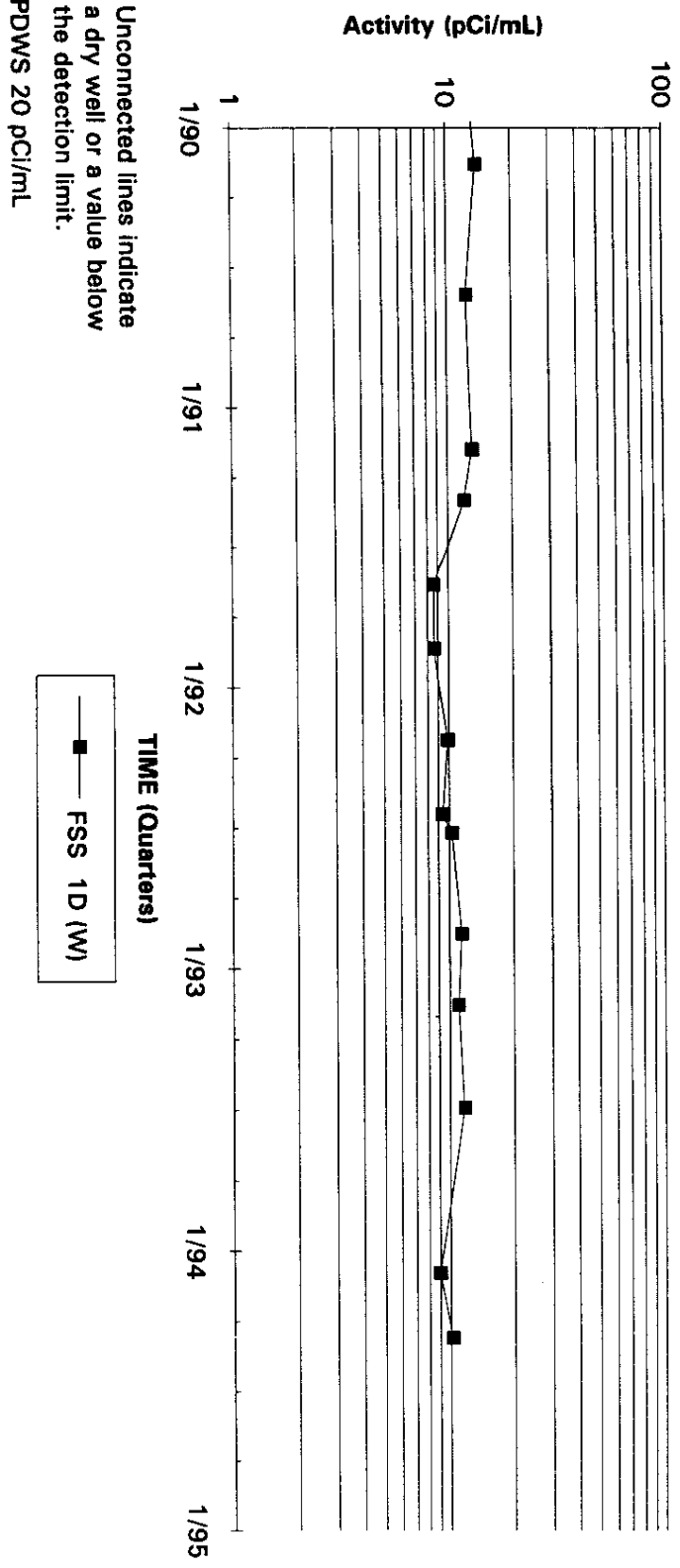
Second Quarter 1994

Tritium Activities Well Cluster BGX 12



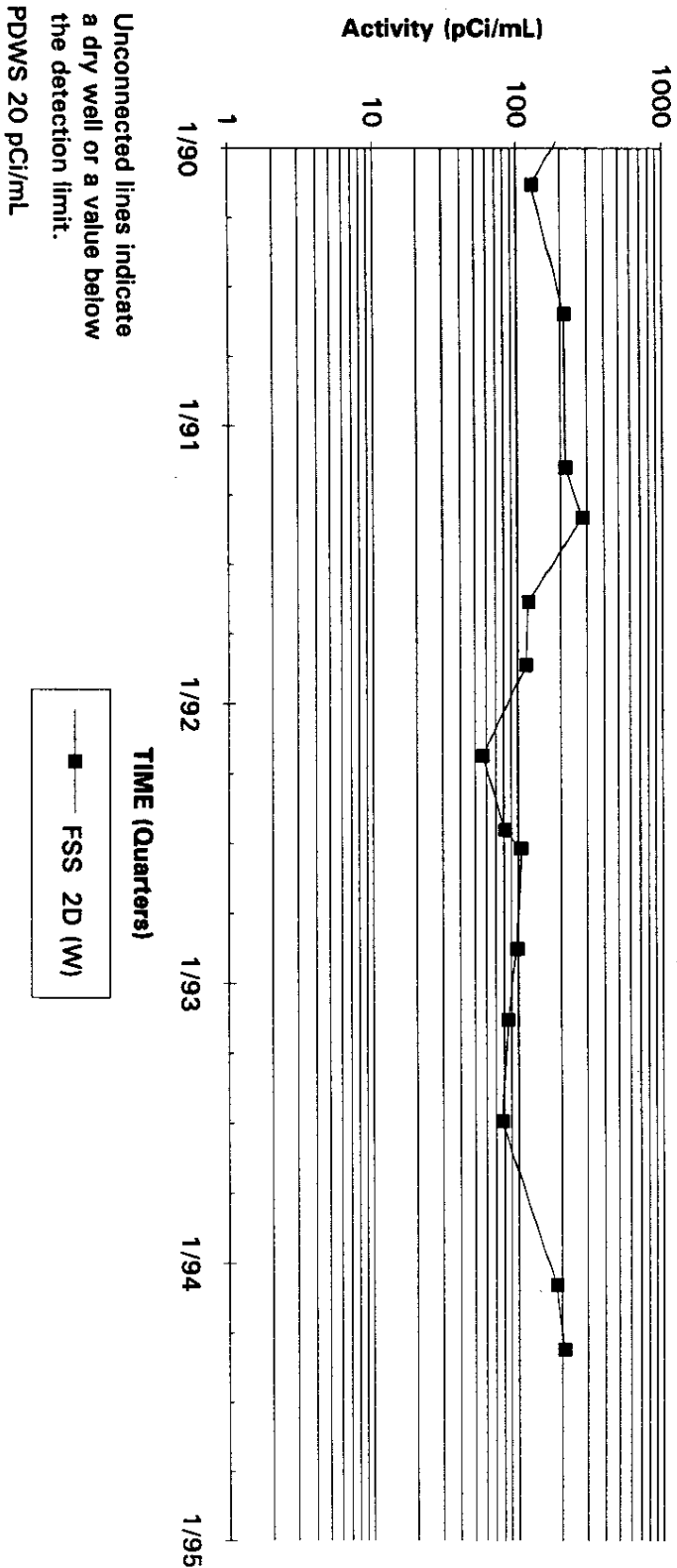
Note: W=Water Table (1IB2); B=Barnwell (1IB1); M=McBean (1IB1); UC=Upper Congaree (1IA); MC=Middle Congaree (1IA); LC=Lower Congaree (1IA)

Tritium Activities Well FSS 1D



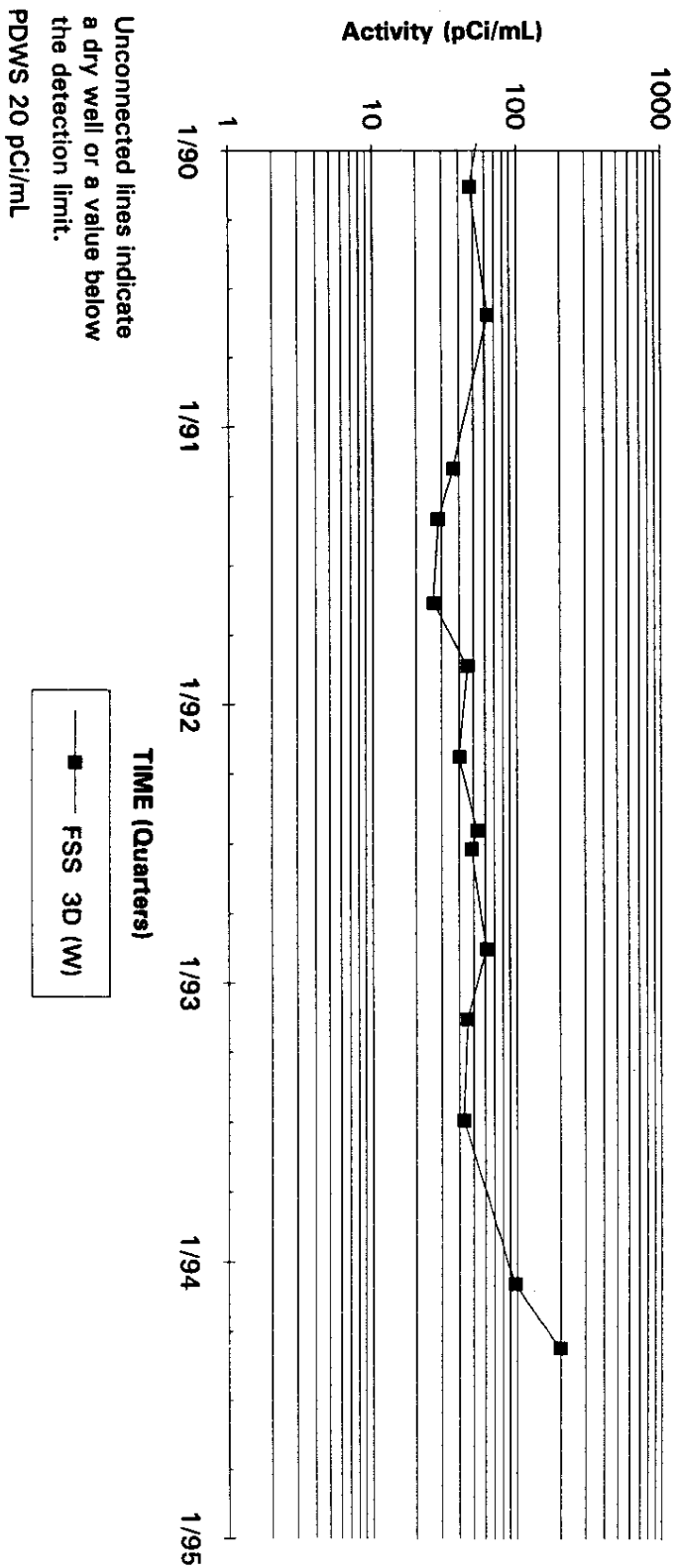
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 2D



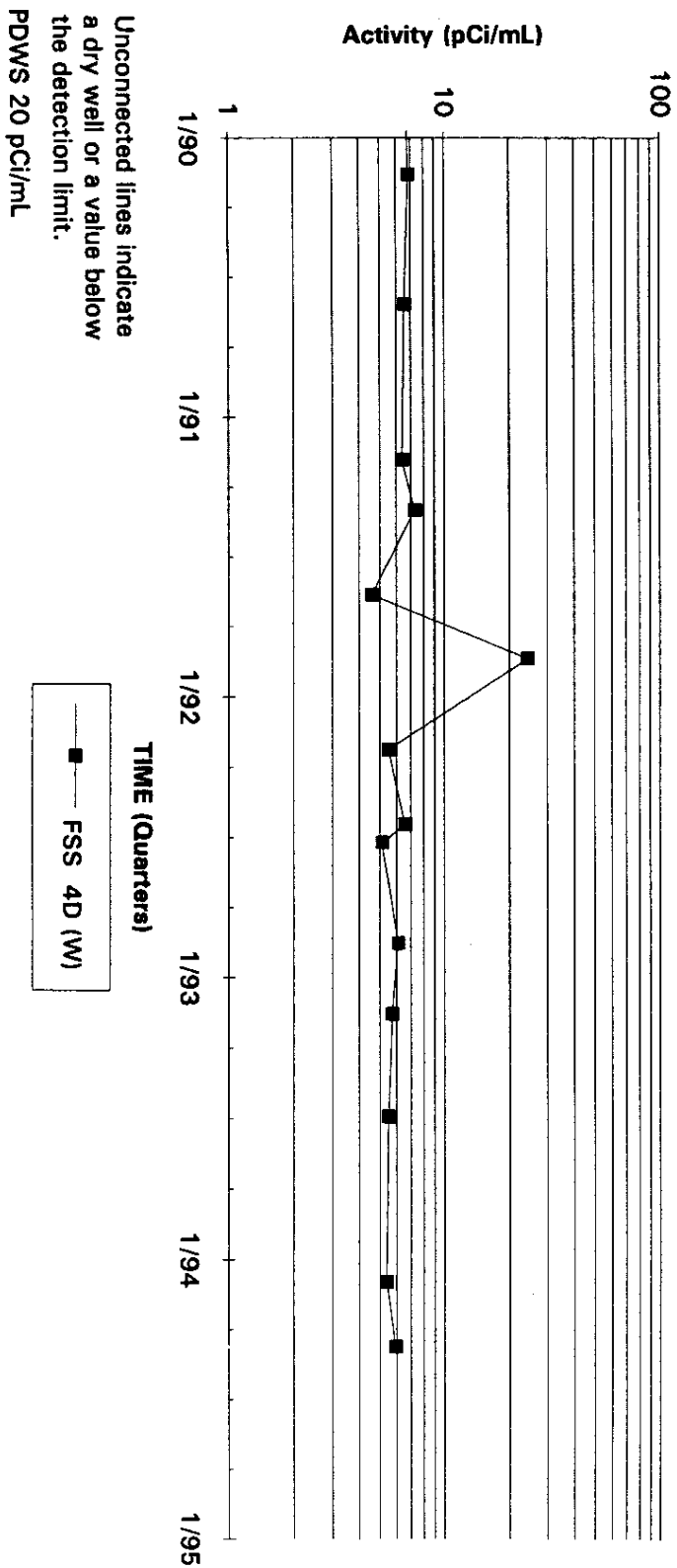
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 3D



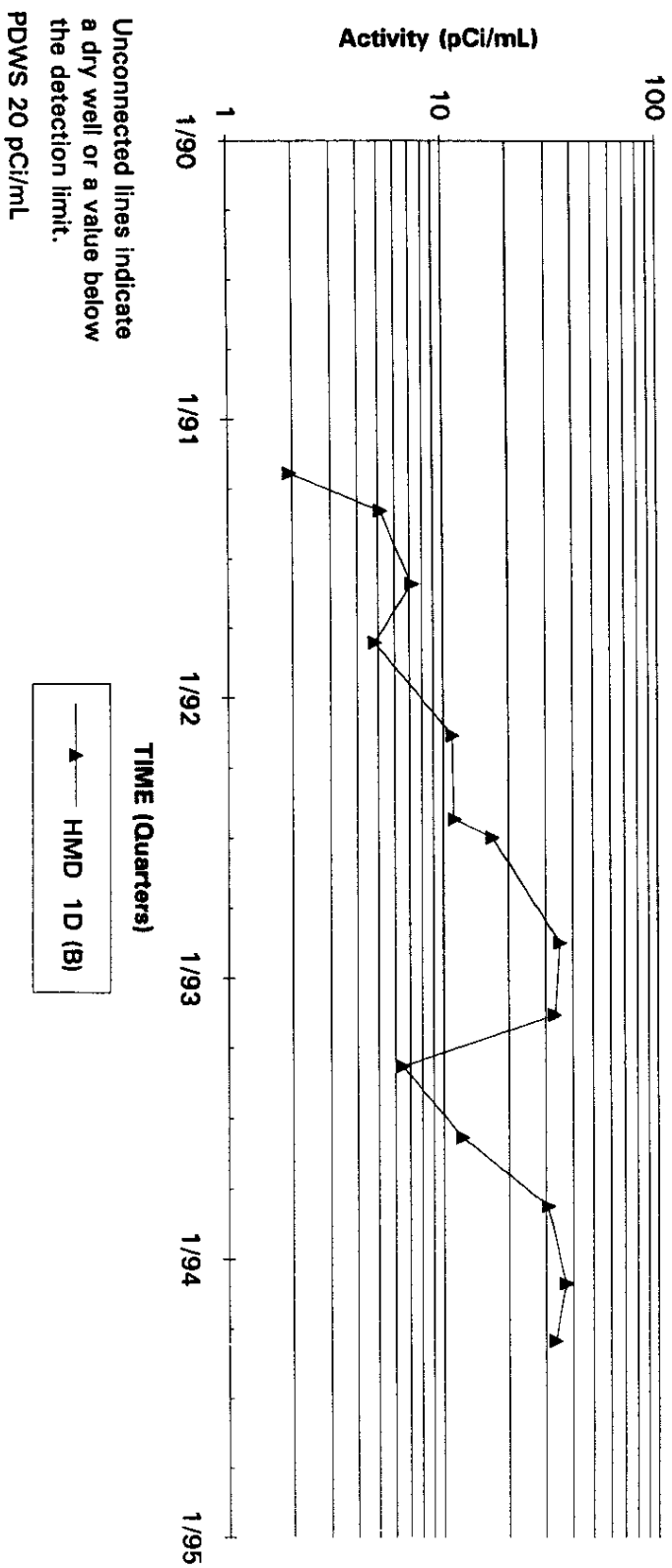
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 4D



Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBear (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 1D

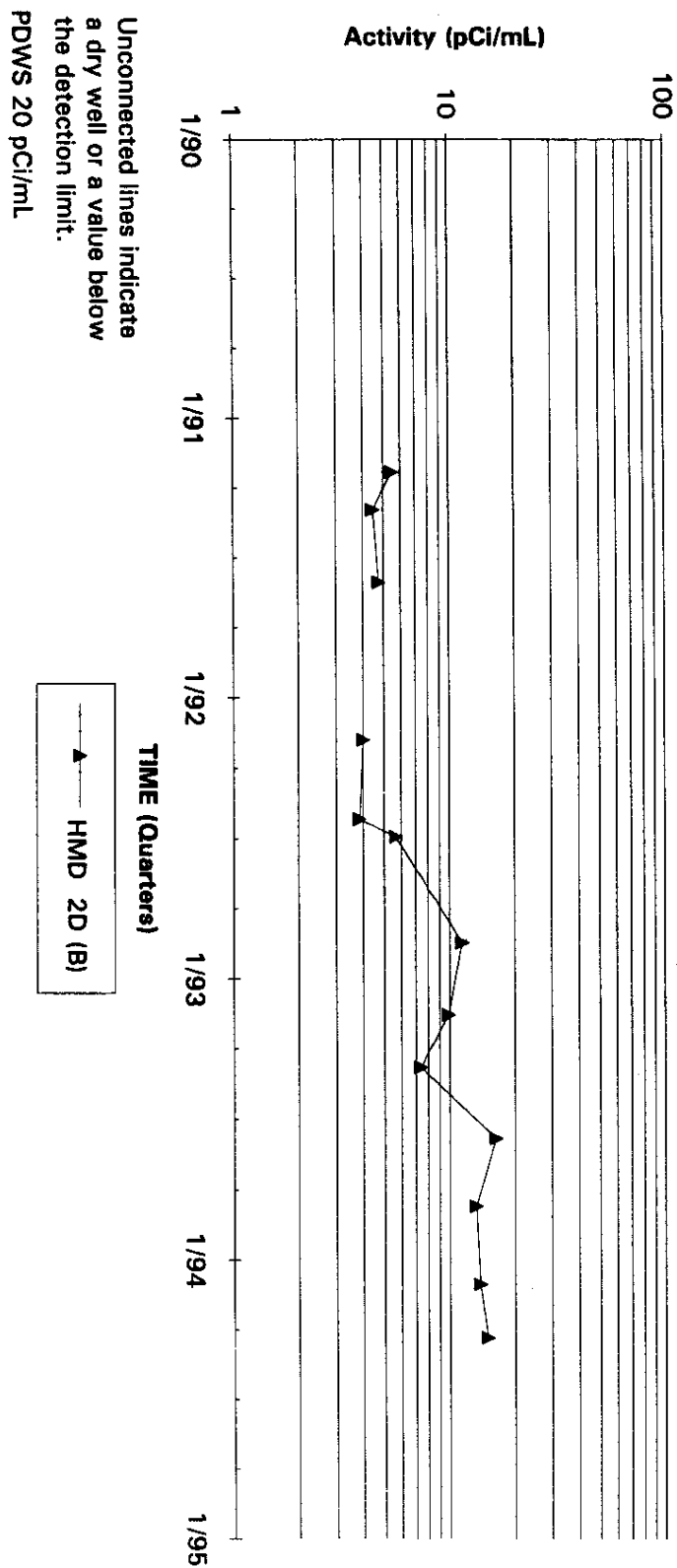


Note: W=Water Table (11B2); B=Bamwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

MMMF

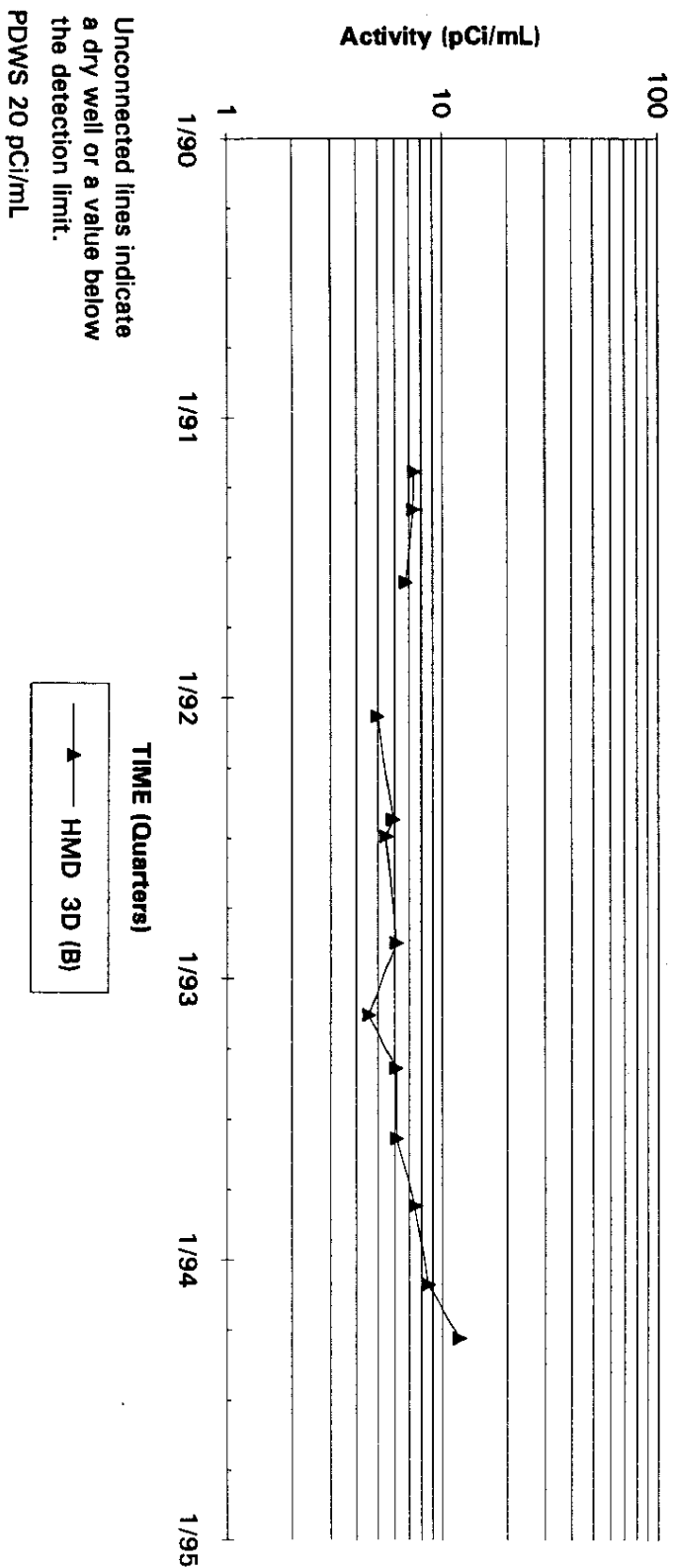
Second Quarter 1994

Tritium Activities Well HMD 2D



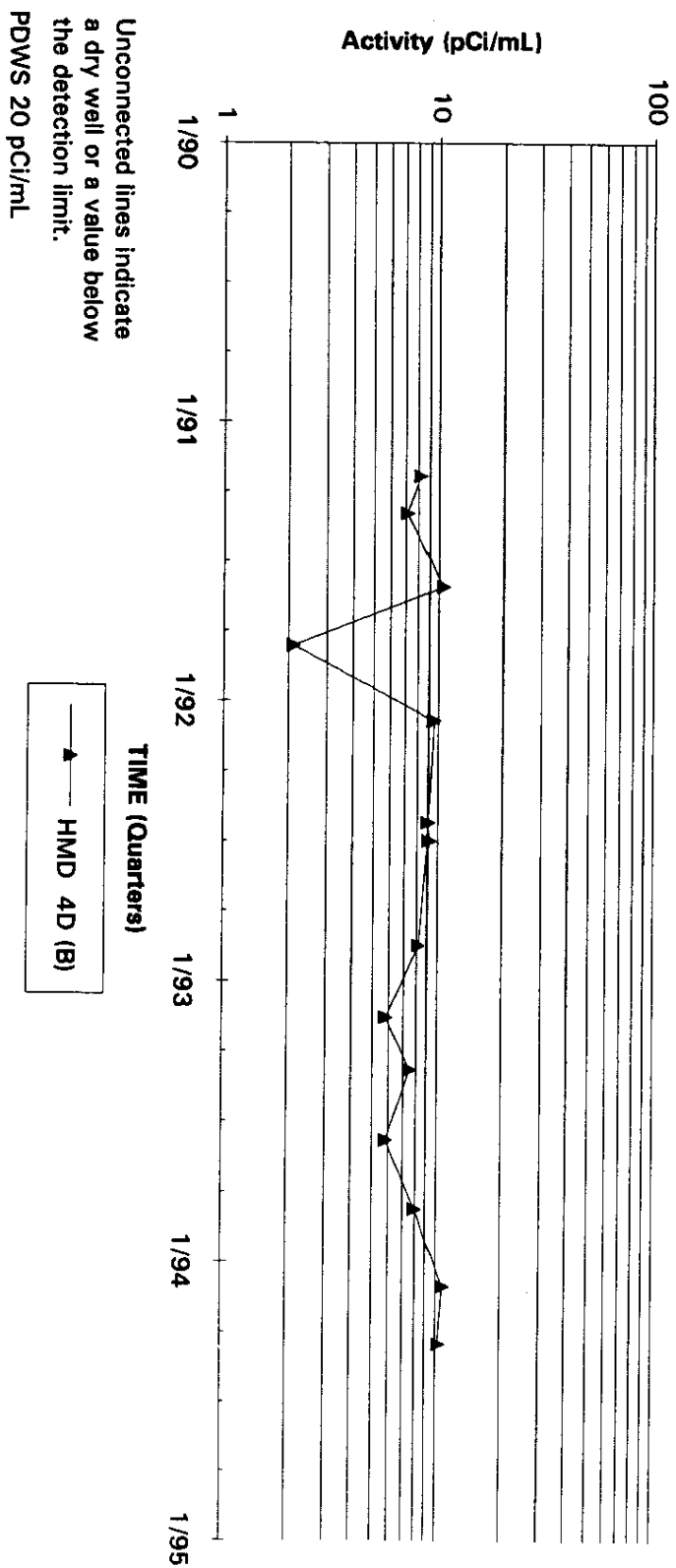
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 3D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 4D

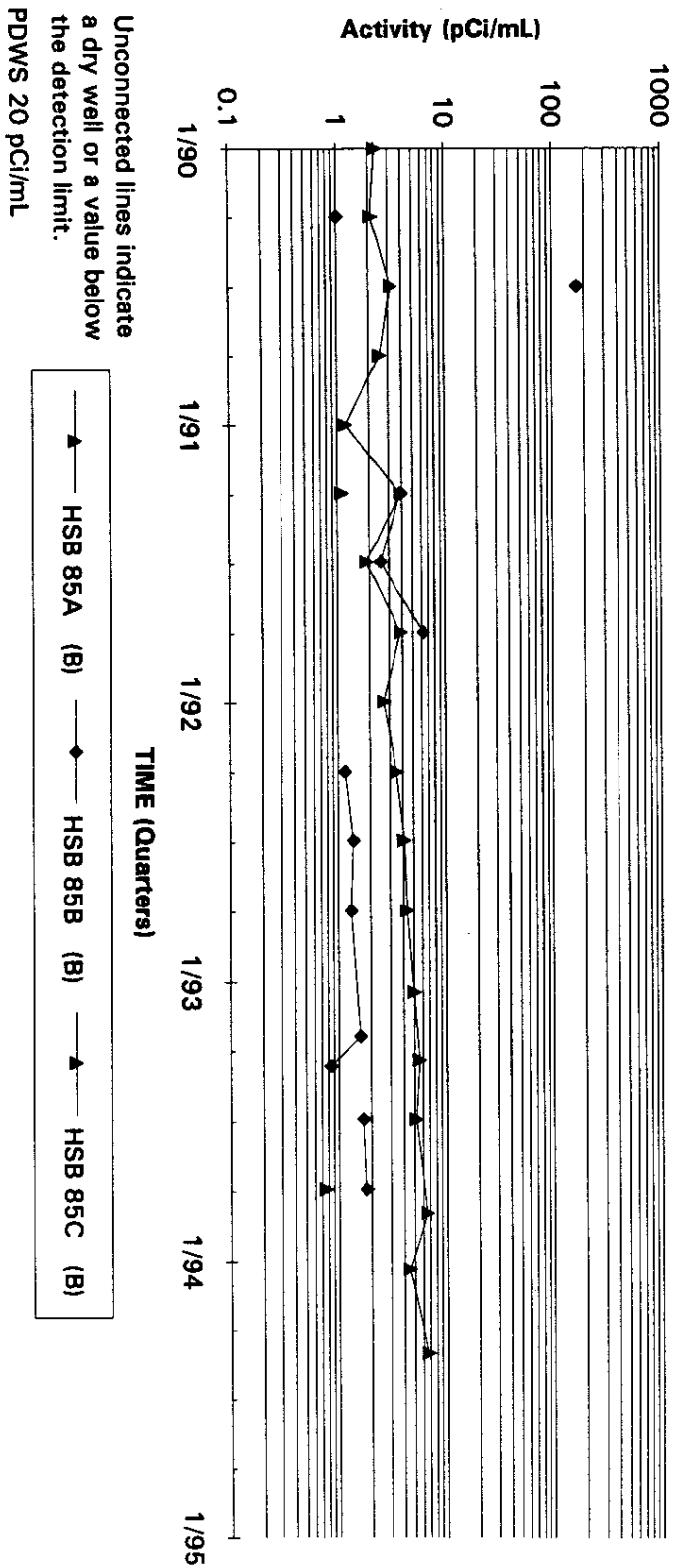


Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

MMMF

Second Quarter 1994

Tritium Activities Well Cluster HSB 85



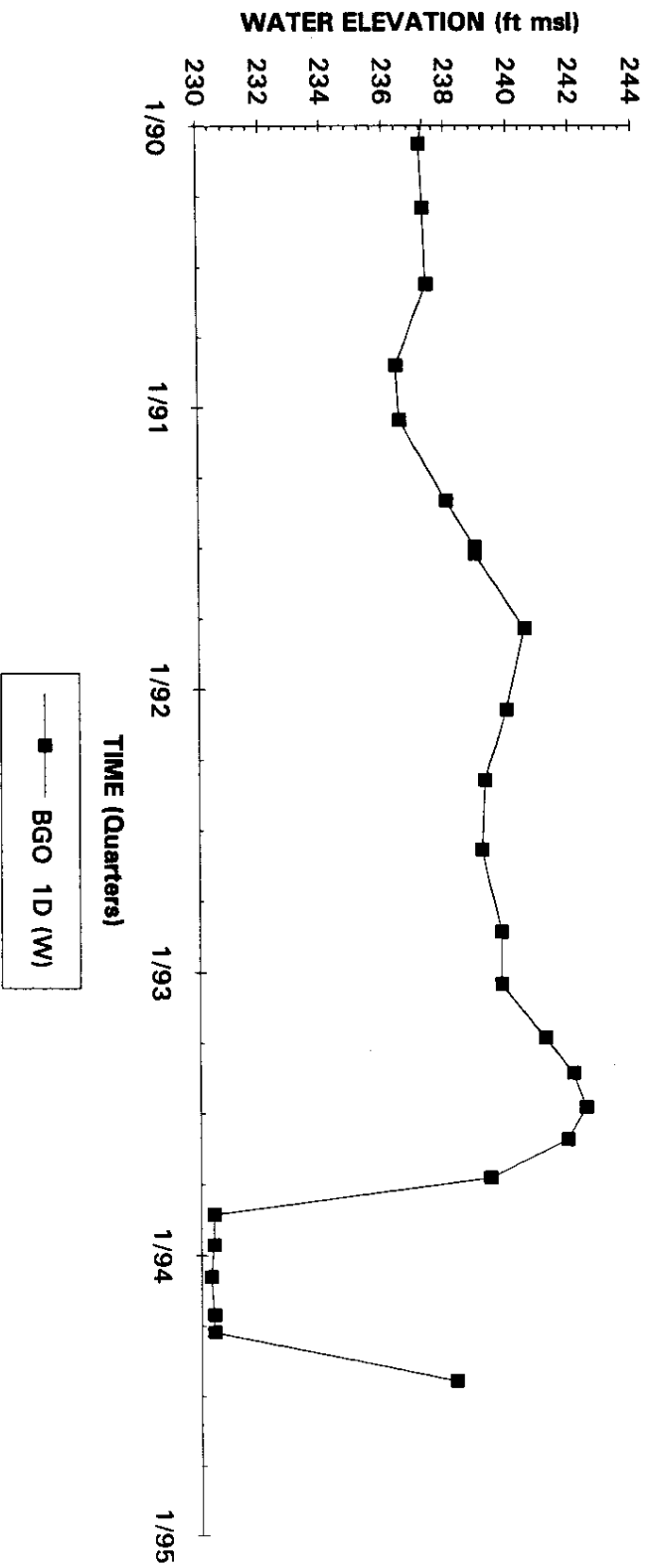
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Appendix G

Hydrographs

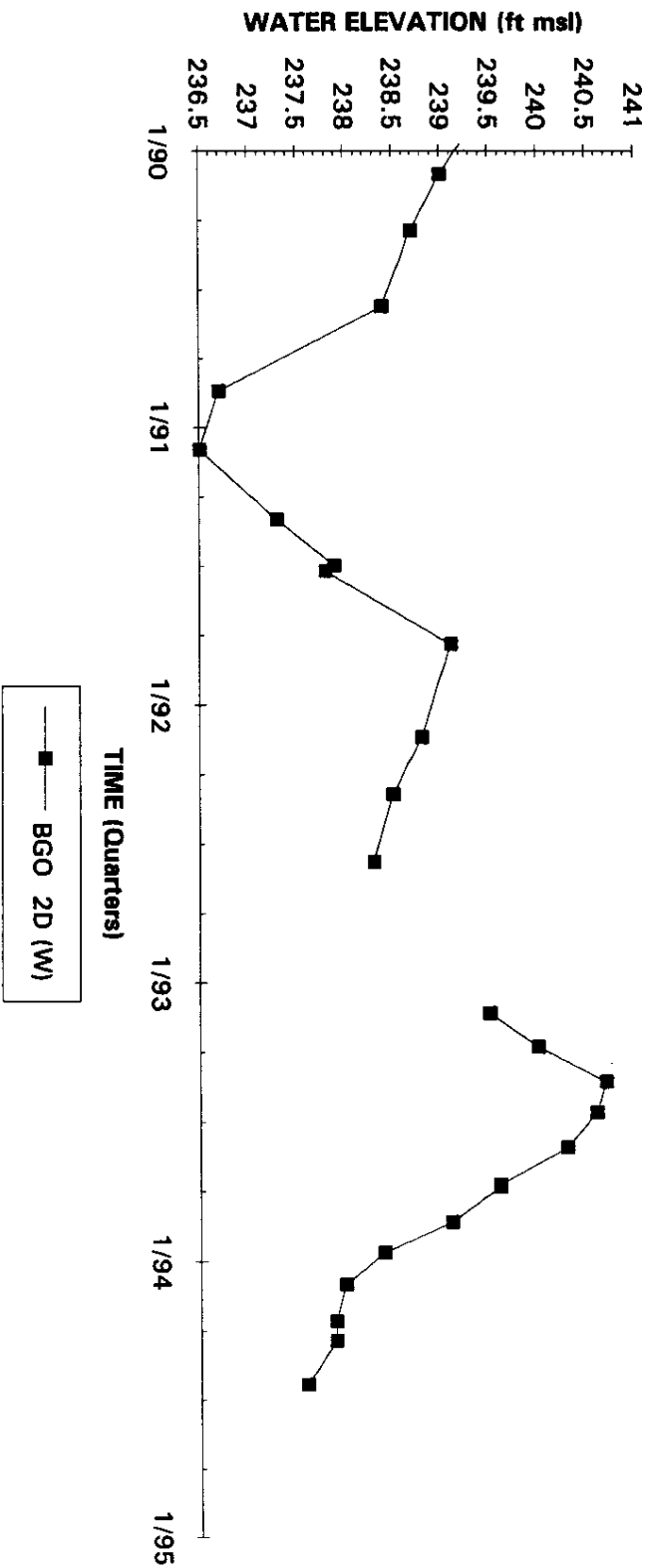
THIS PAGE LEFT BLANK INTENTIONALLY.

Hydrograph Well BGO 1D



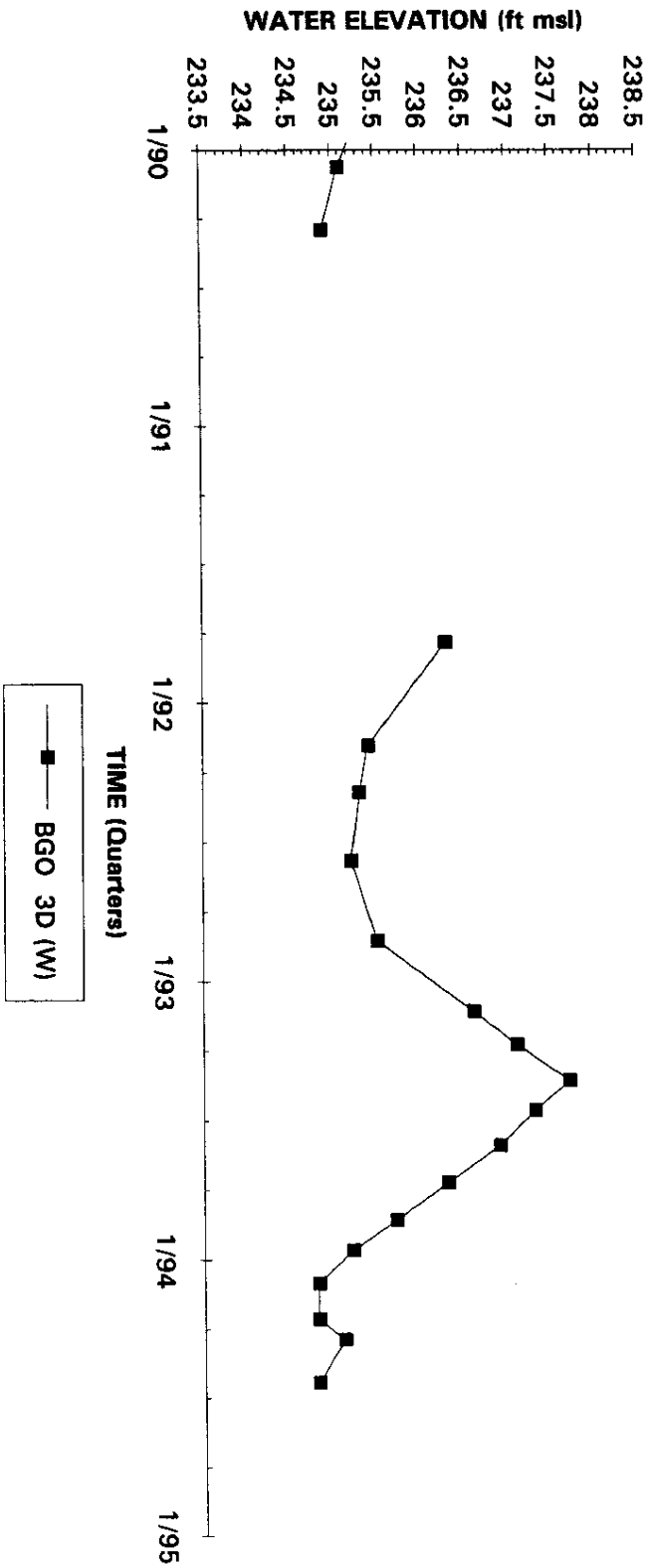
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 2D



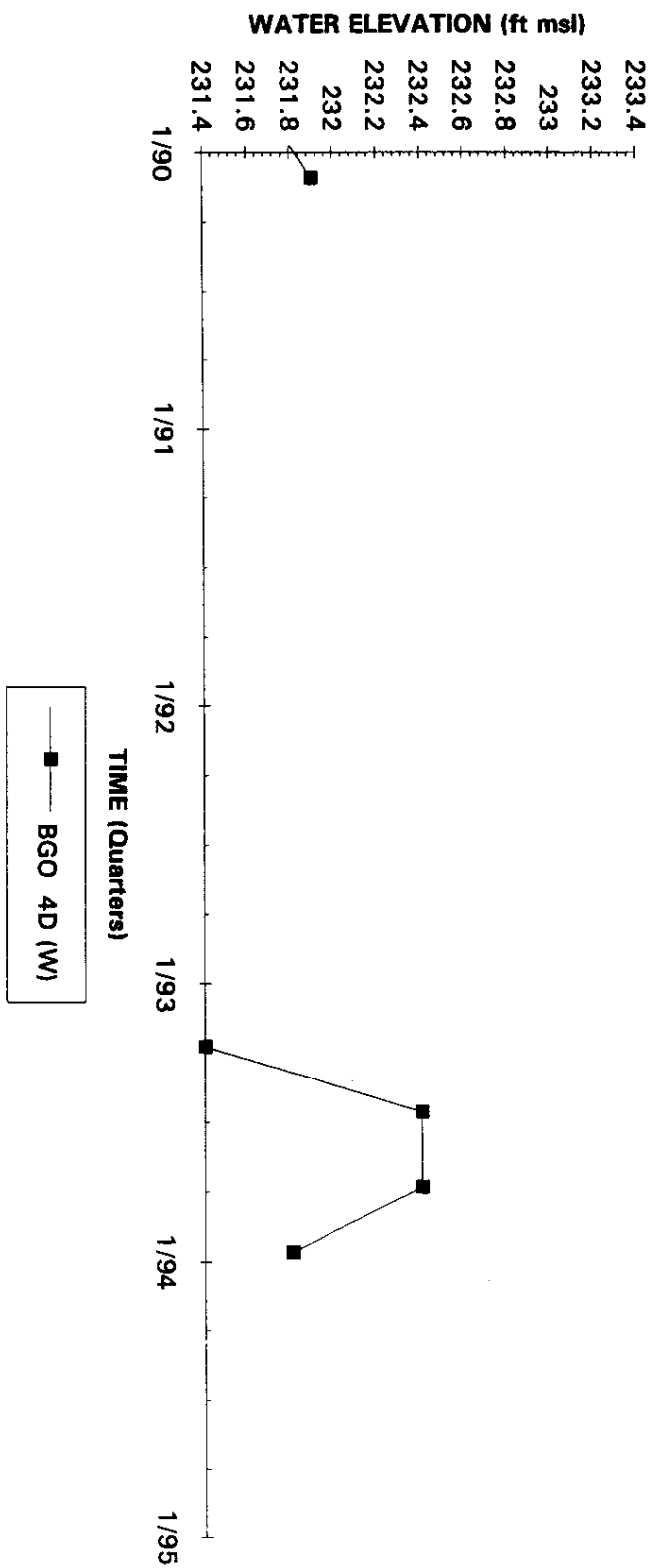
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 3D



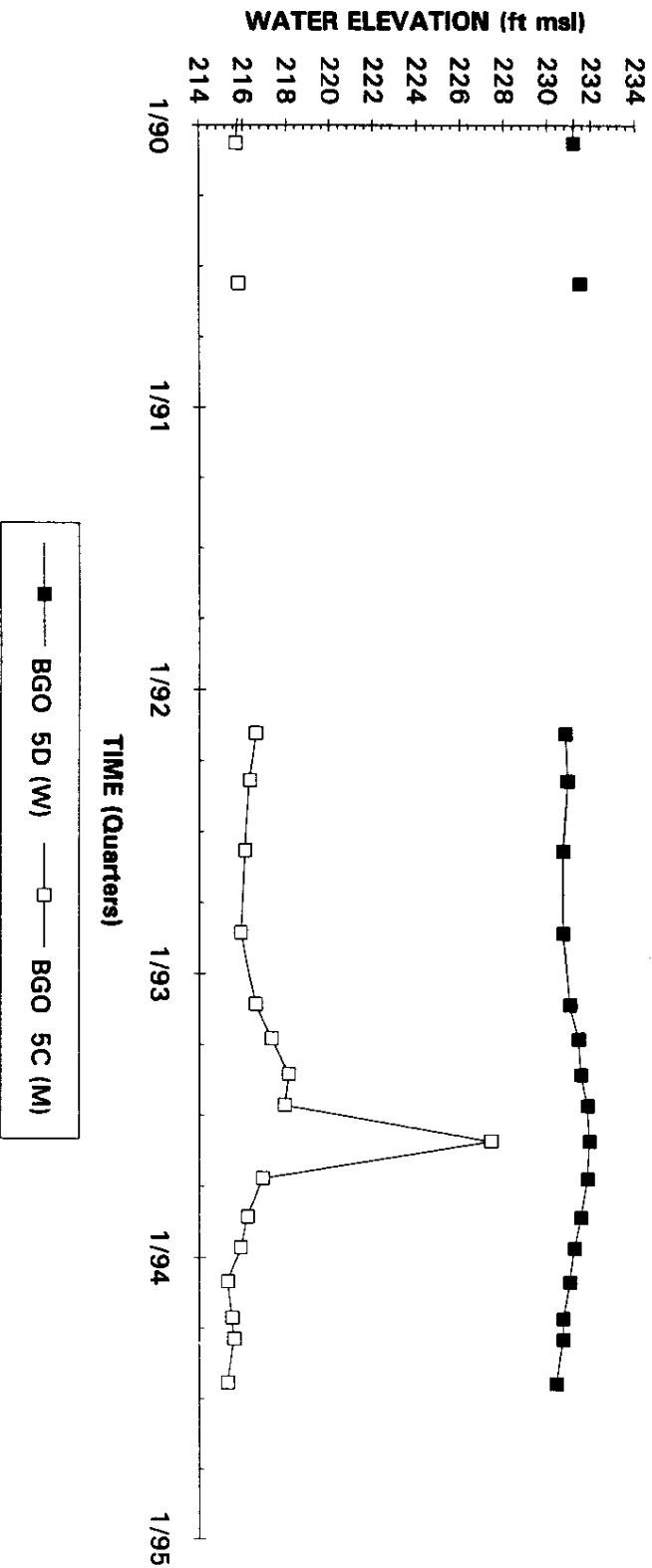
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 4D



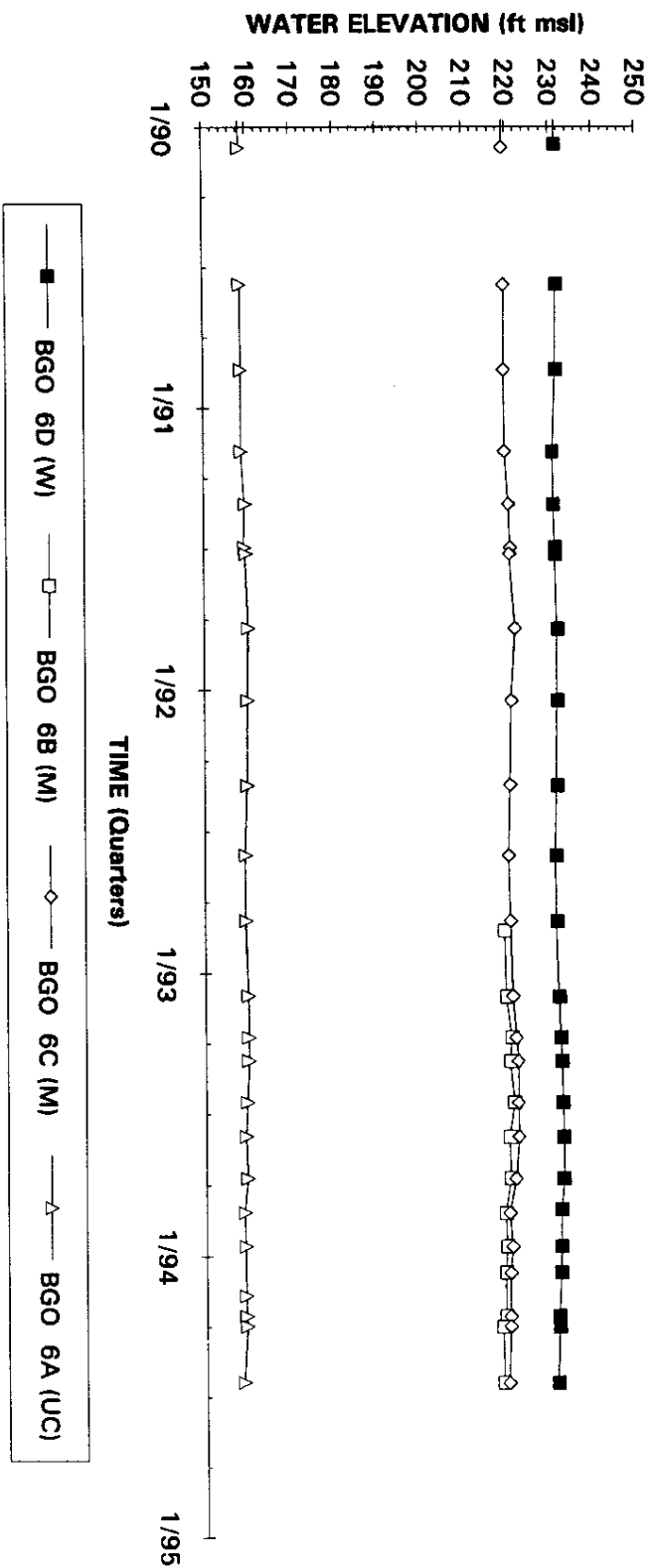
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 5



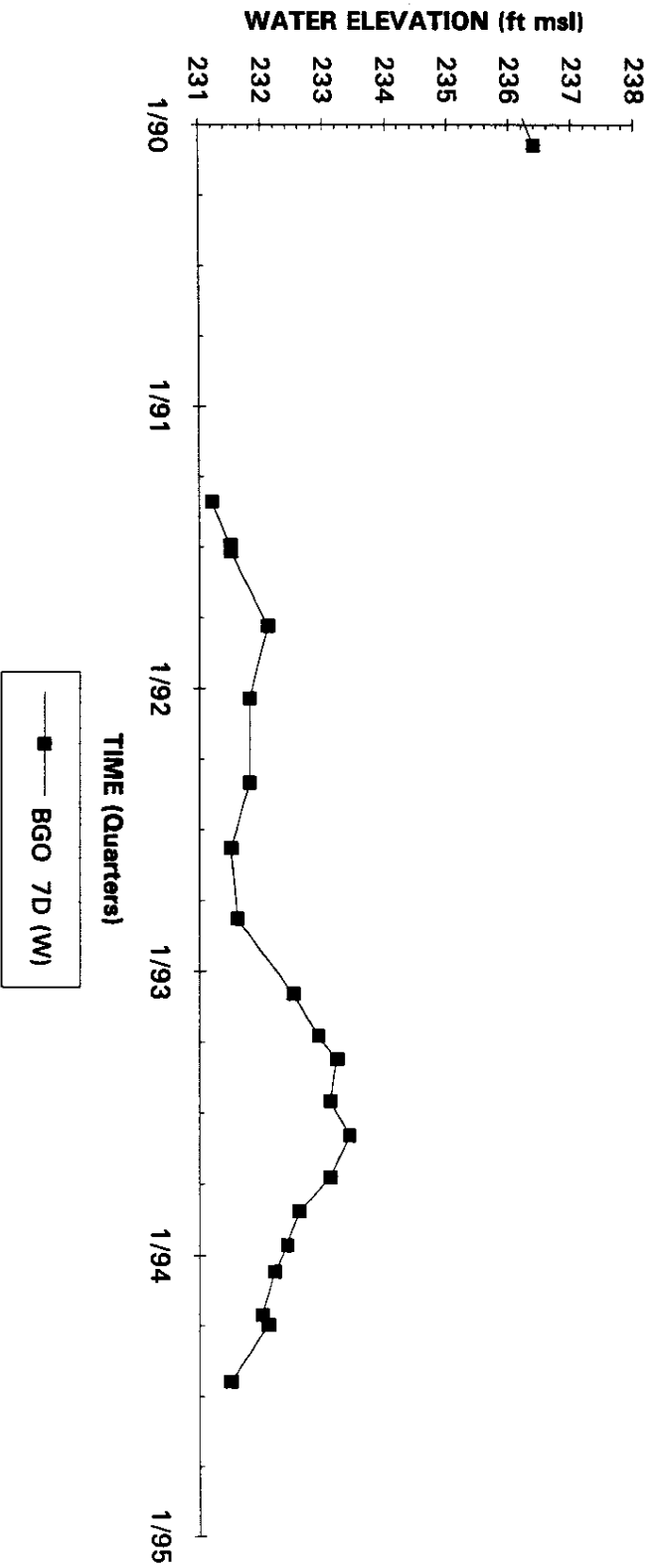
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 6



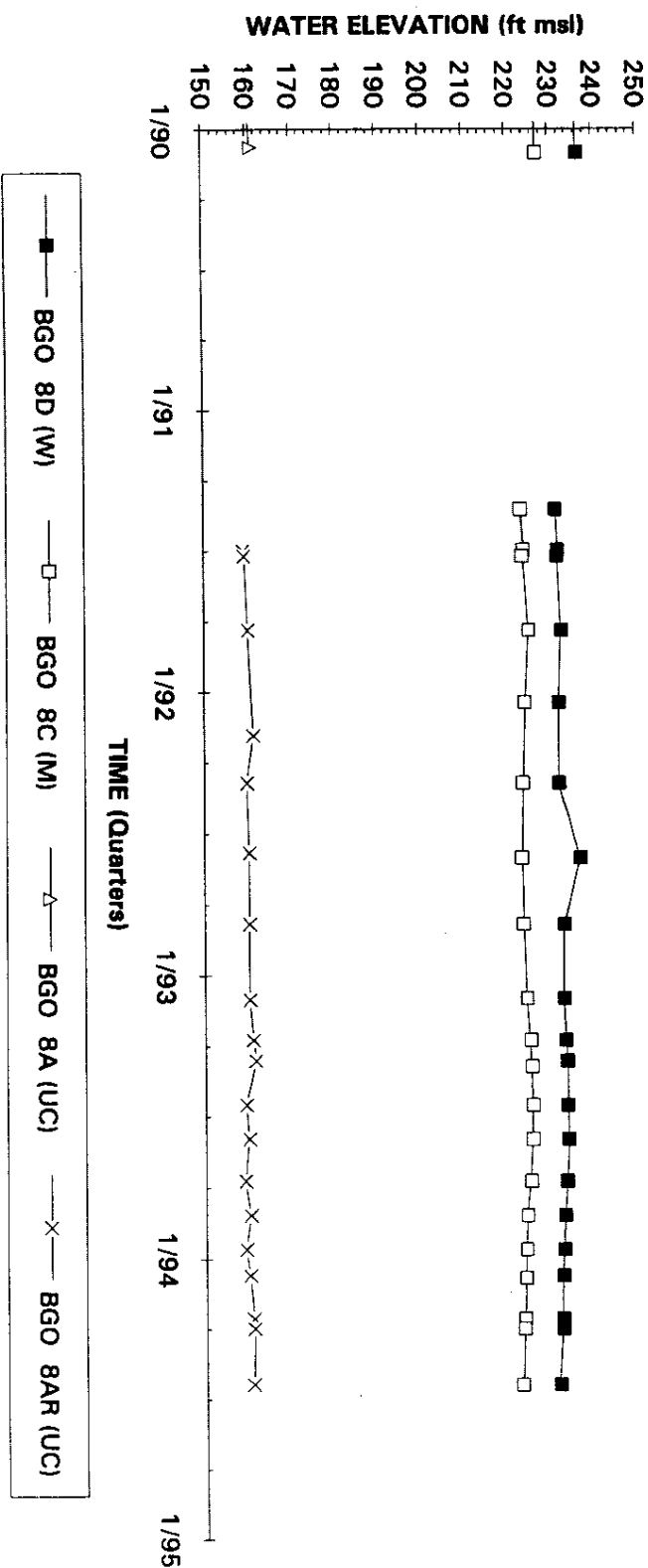
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 7D



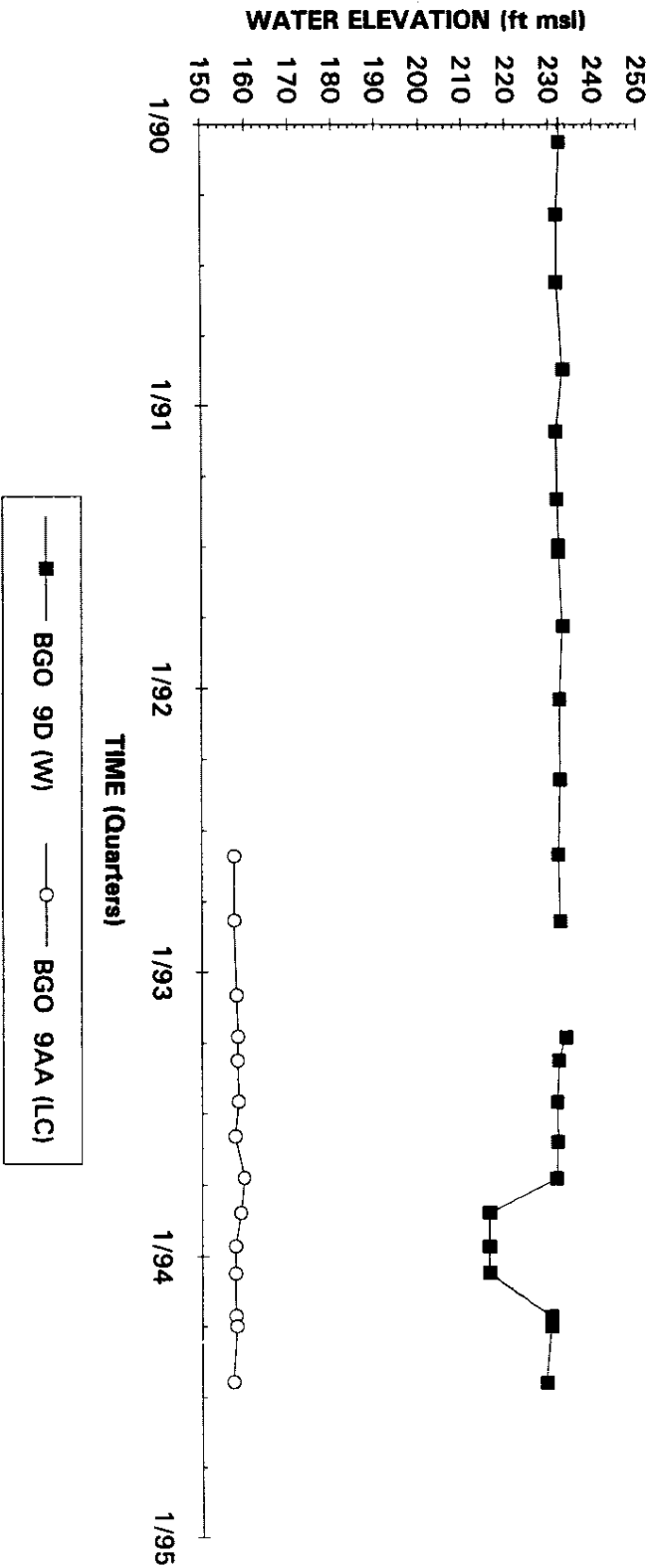
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 8



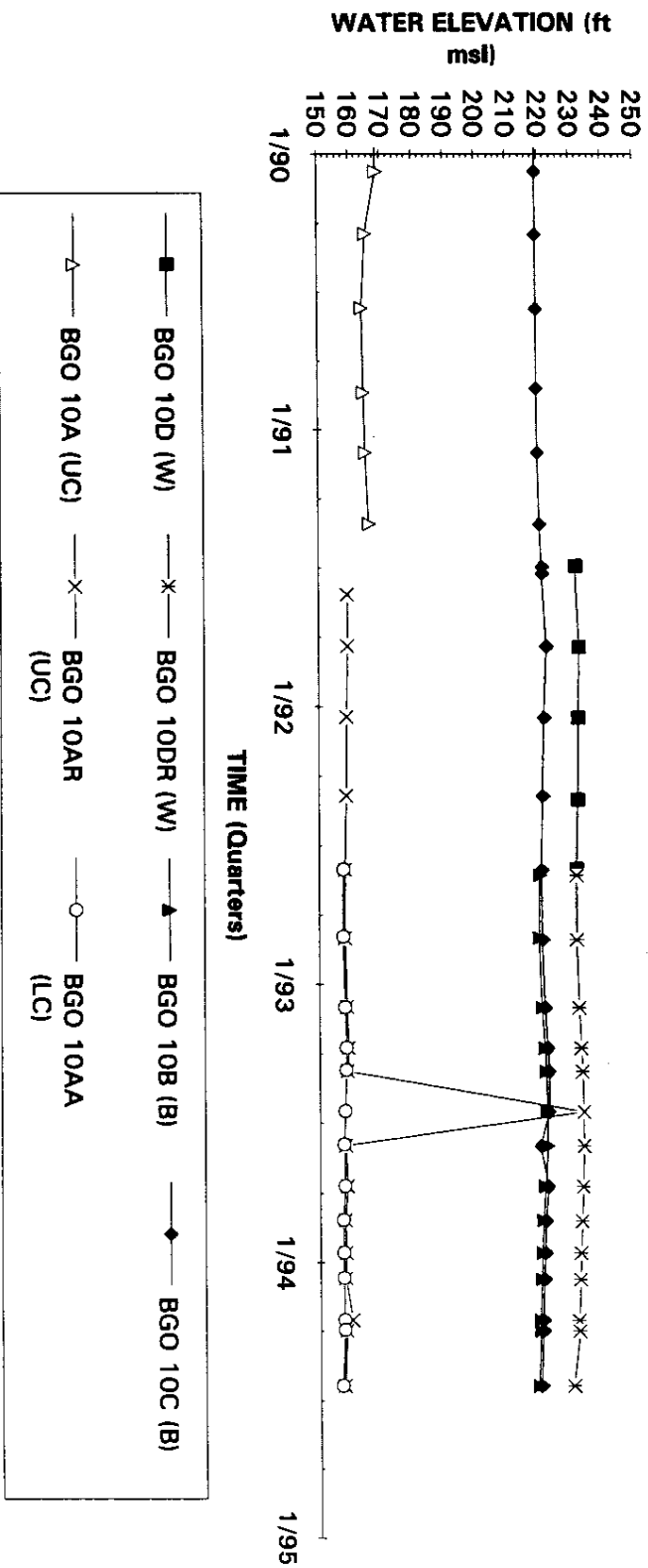
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 9



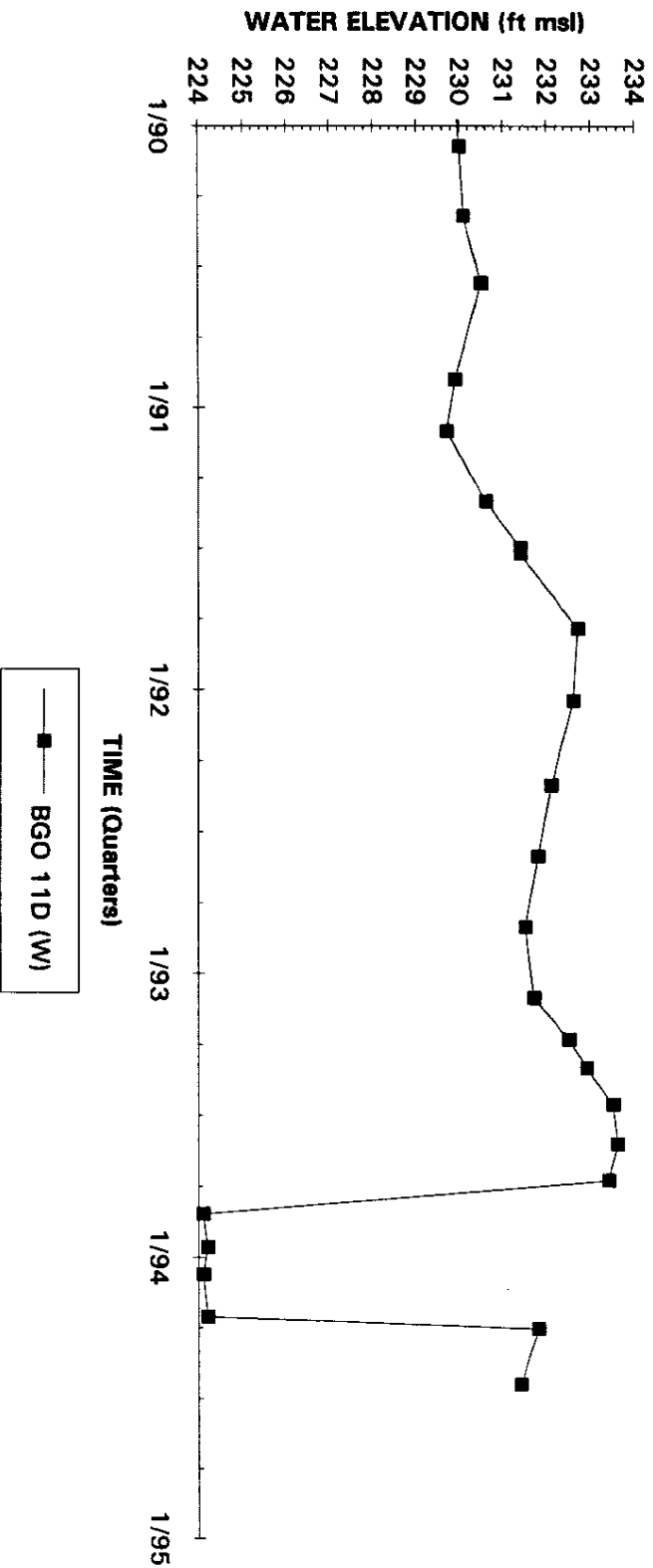
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 10

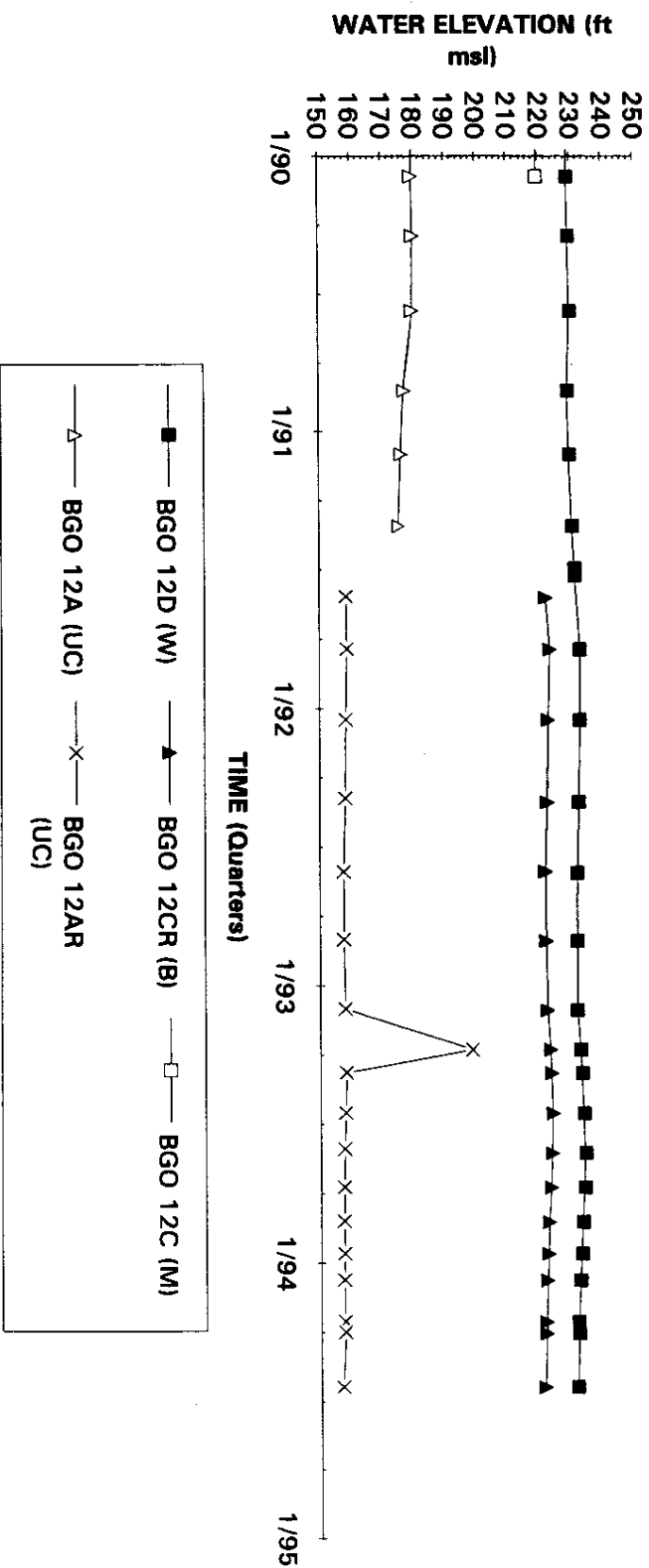


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 11D

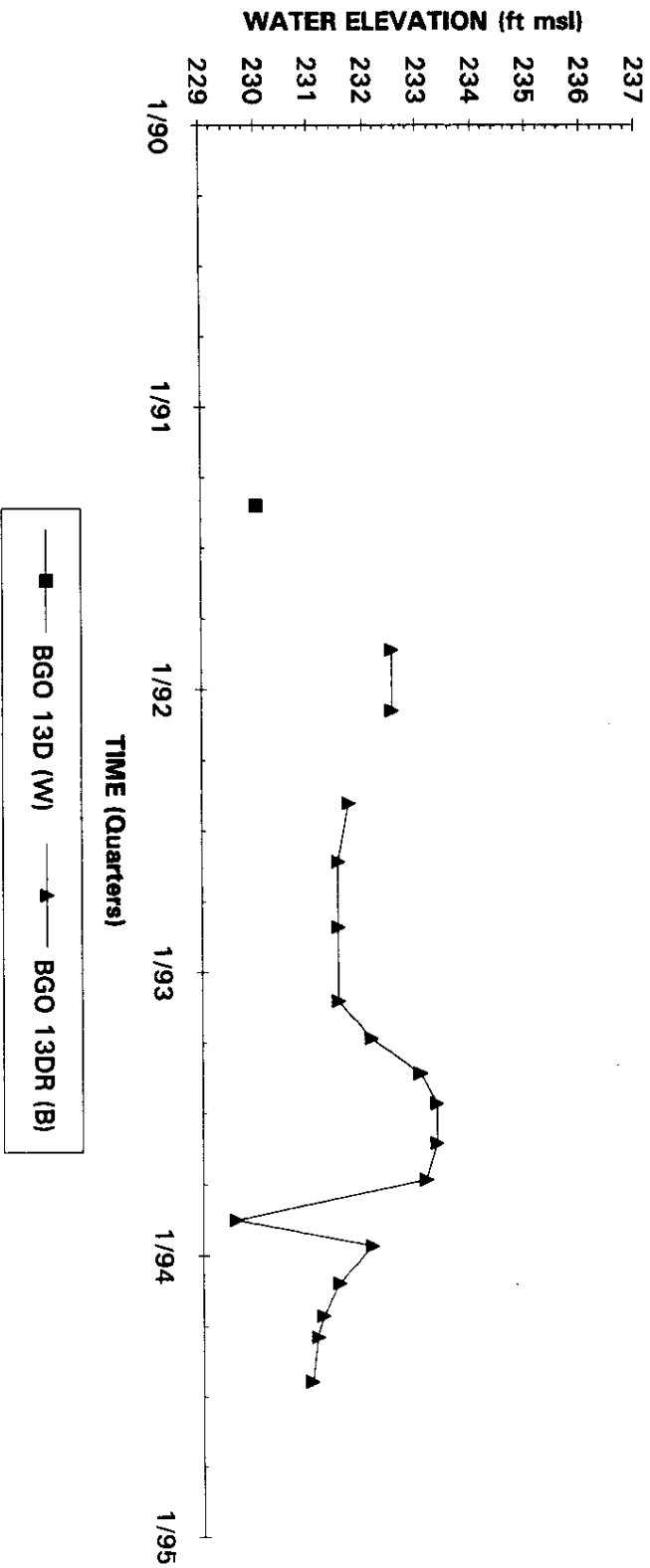


Hydrograph Well Cluster BGO 12



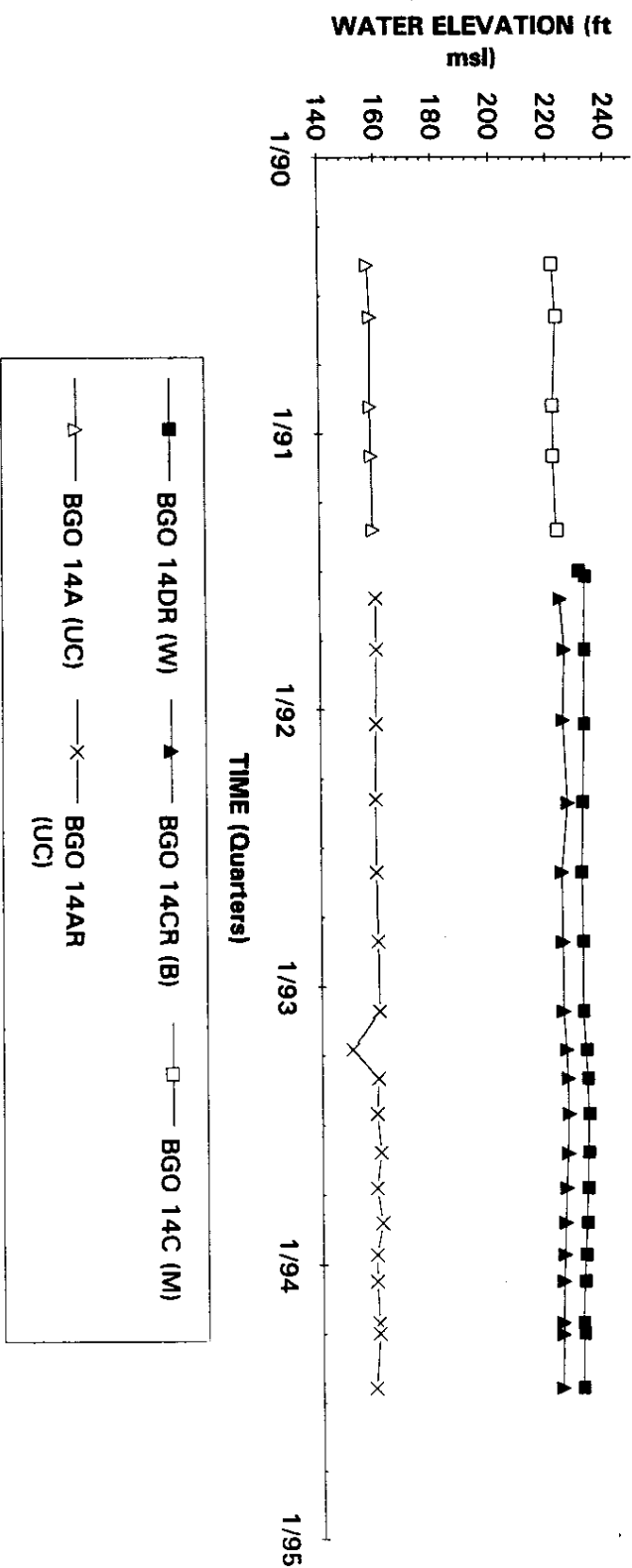
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 13



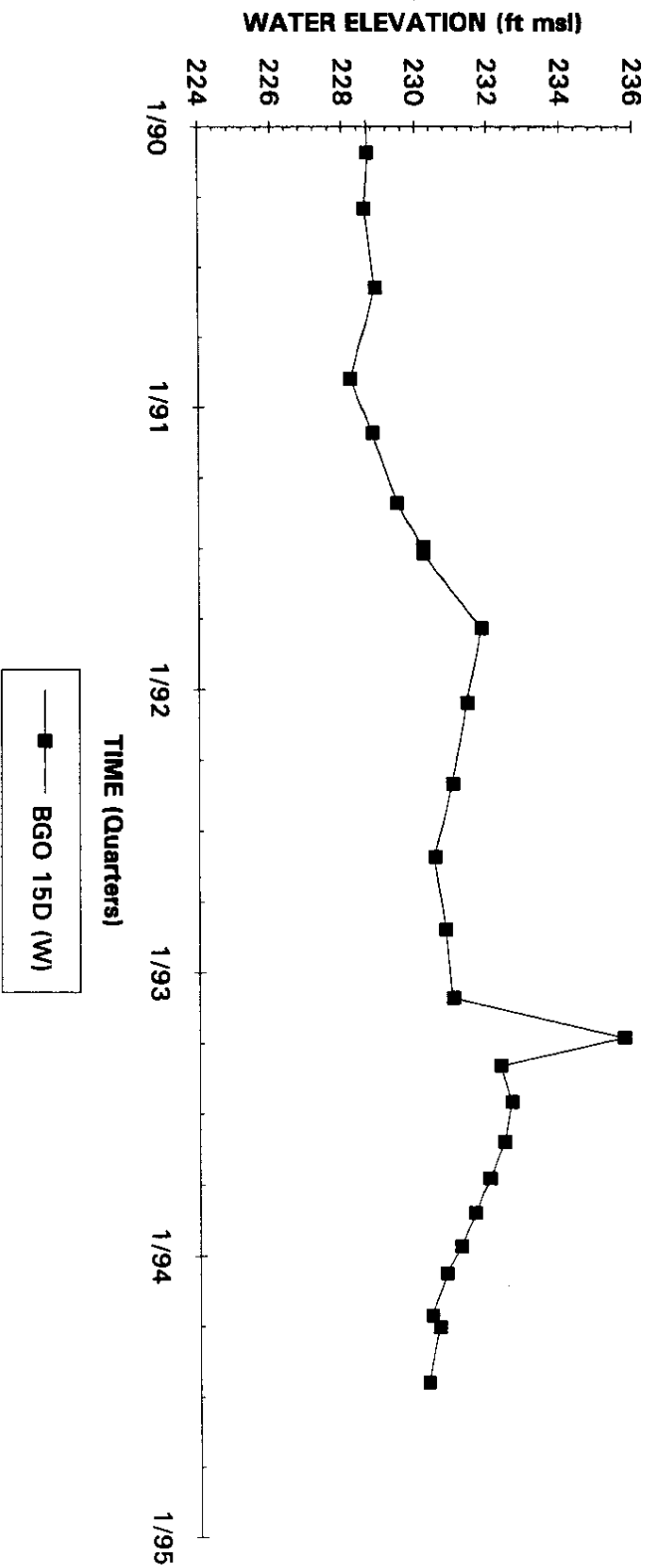
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 14



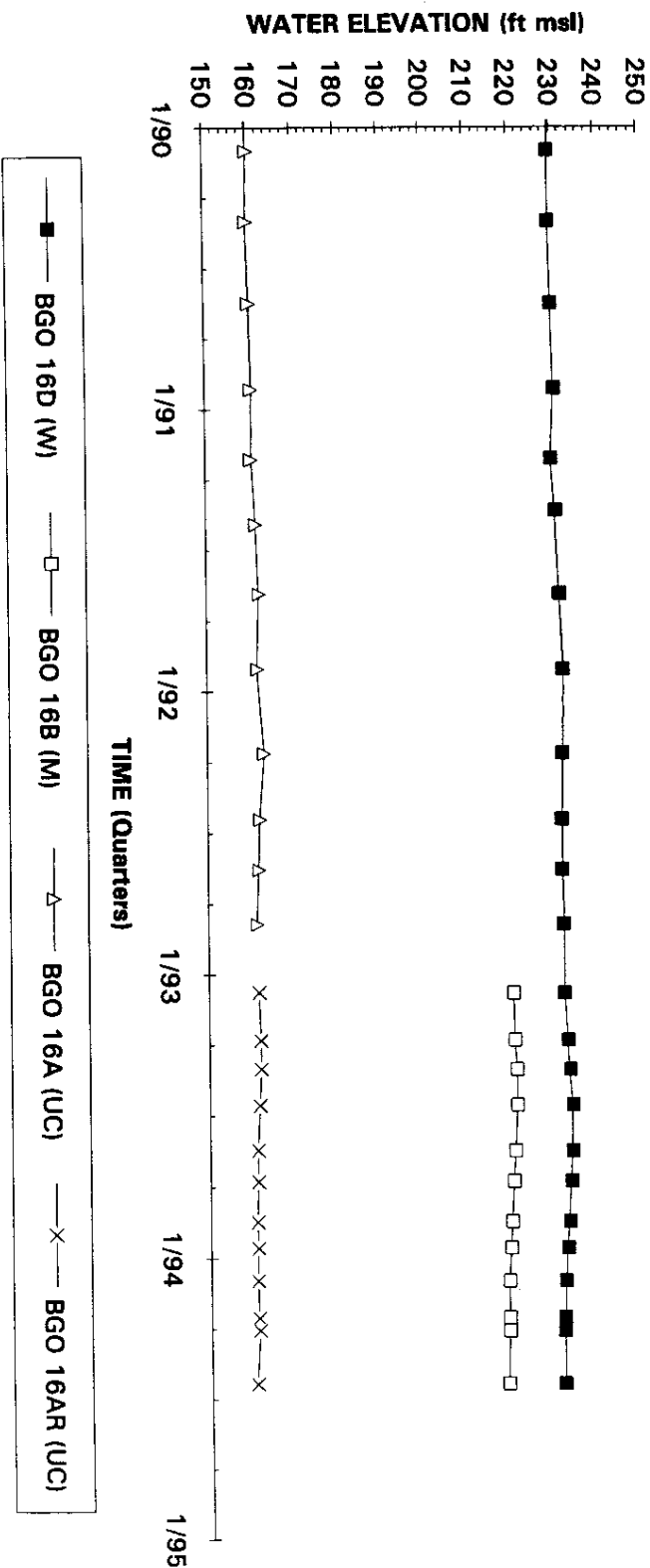
Note: W=Water Table (11B2); B=Bartwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

Hydrograph Well BGO 15D



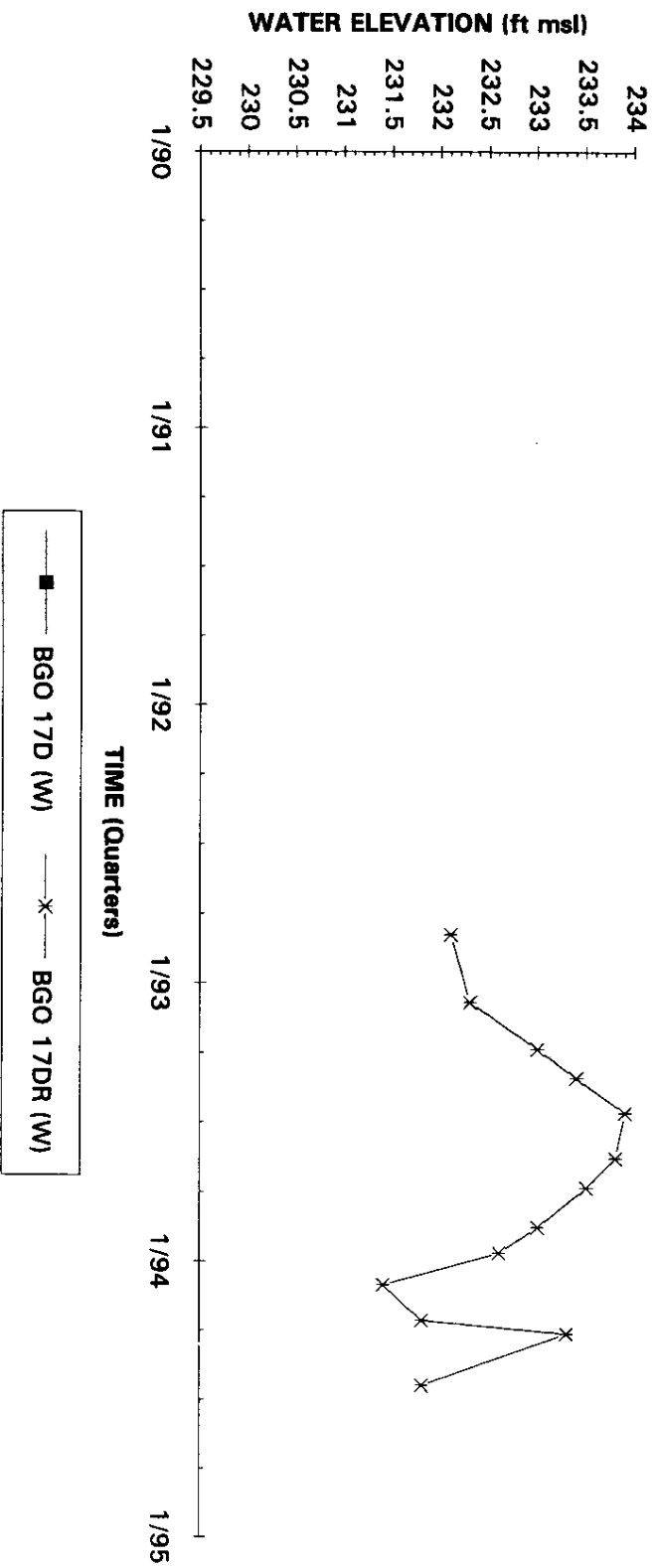
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 16



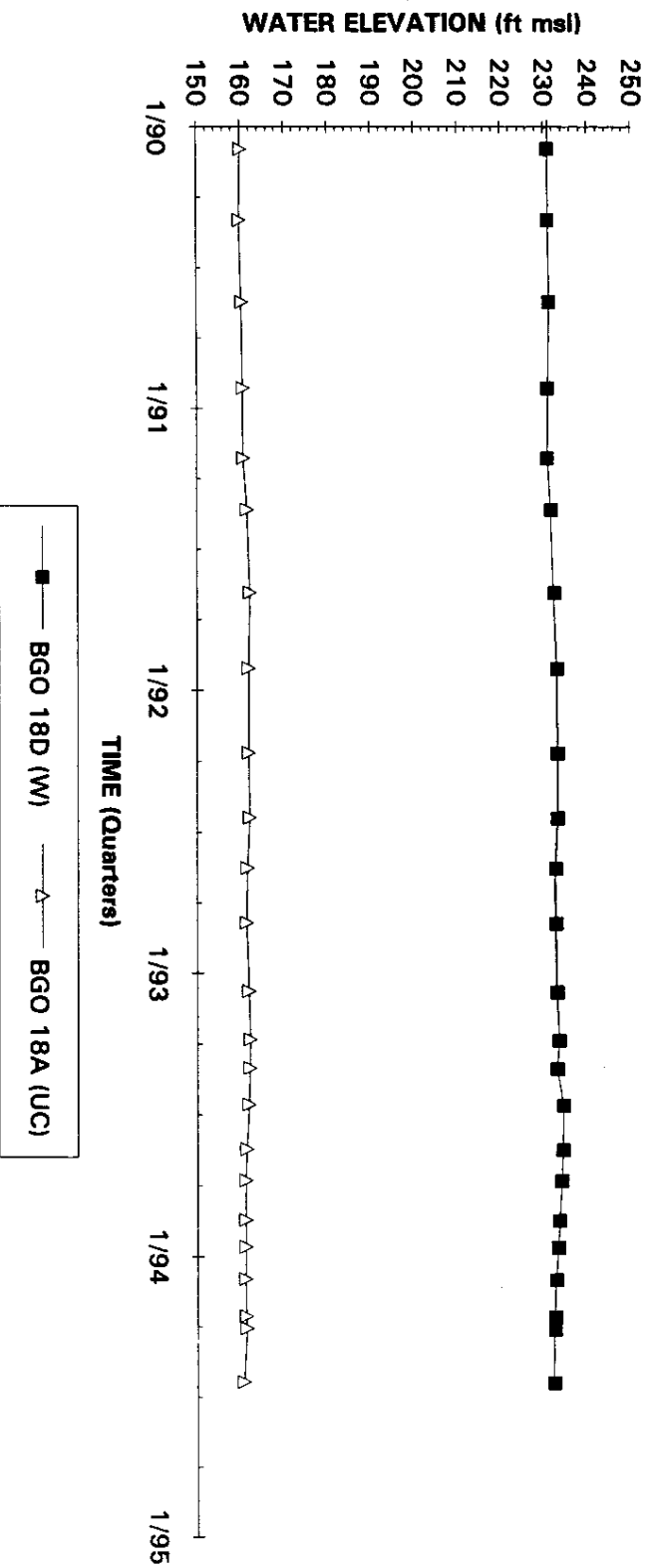
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 17



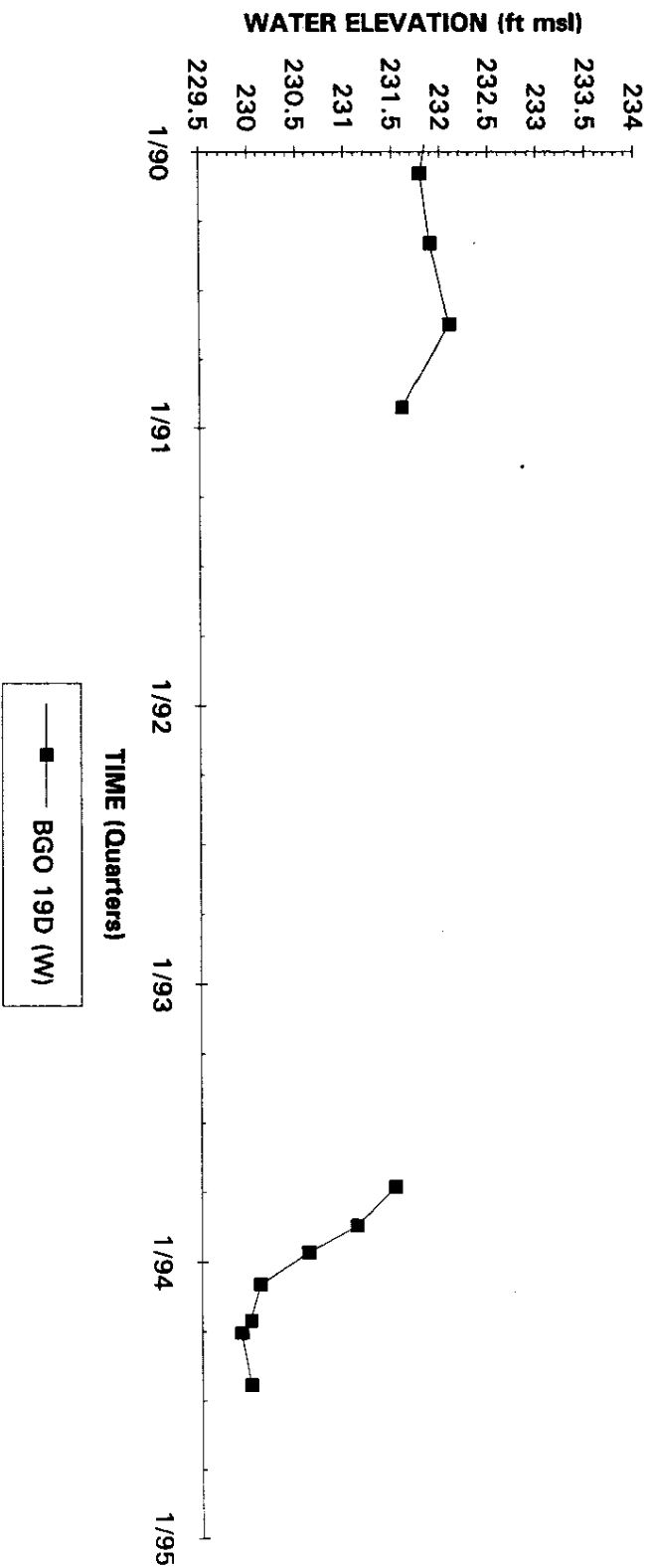
Note: W=Water Table (IIBZ); B=Barwell (IIBT); M=McBean (IIBT); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 18



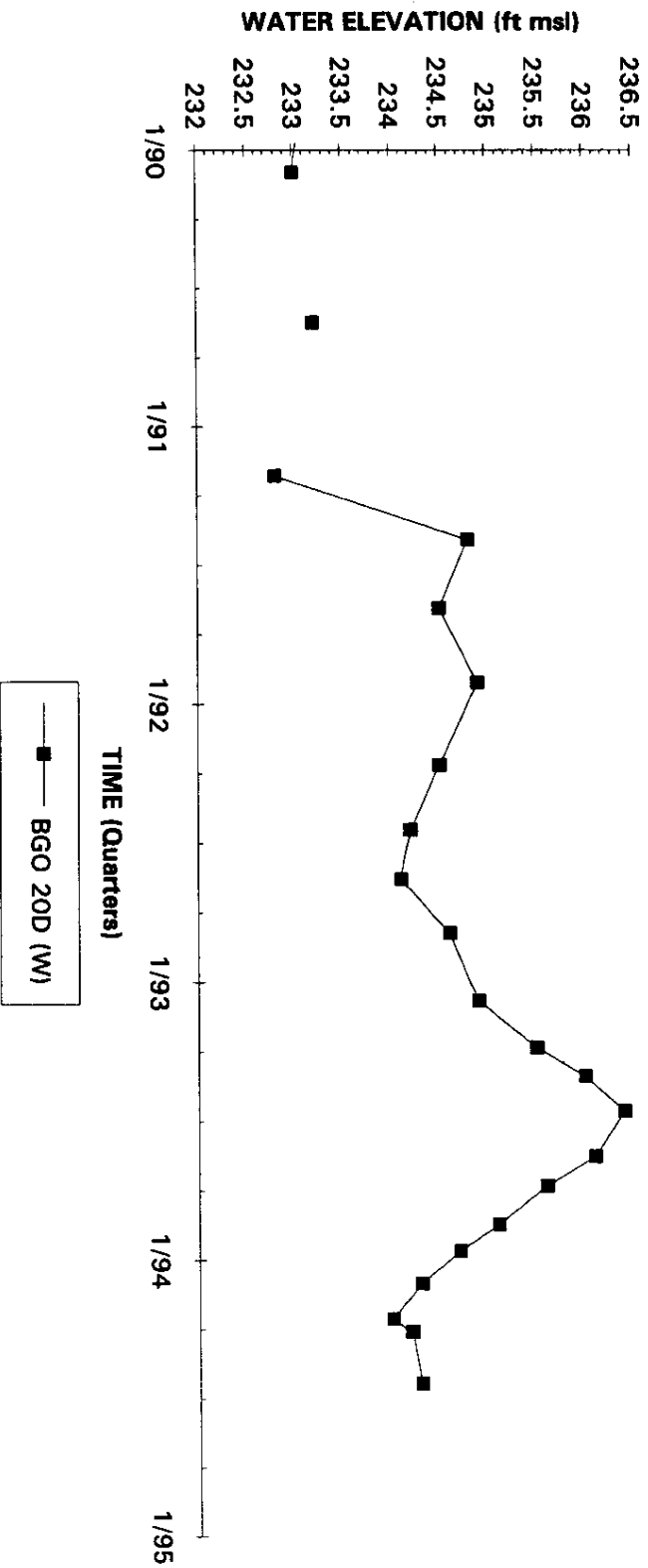
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 19D



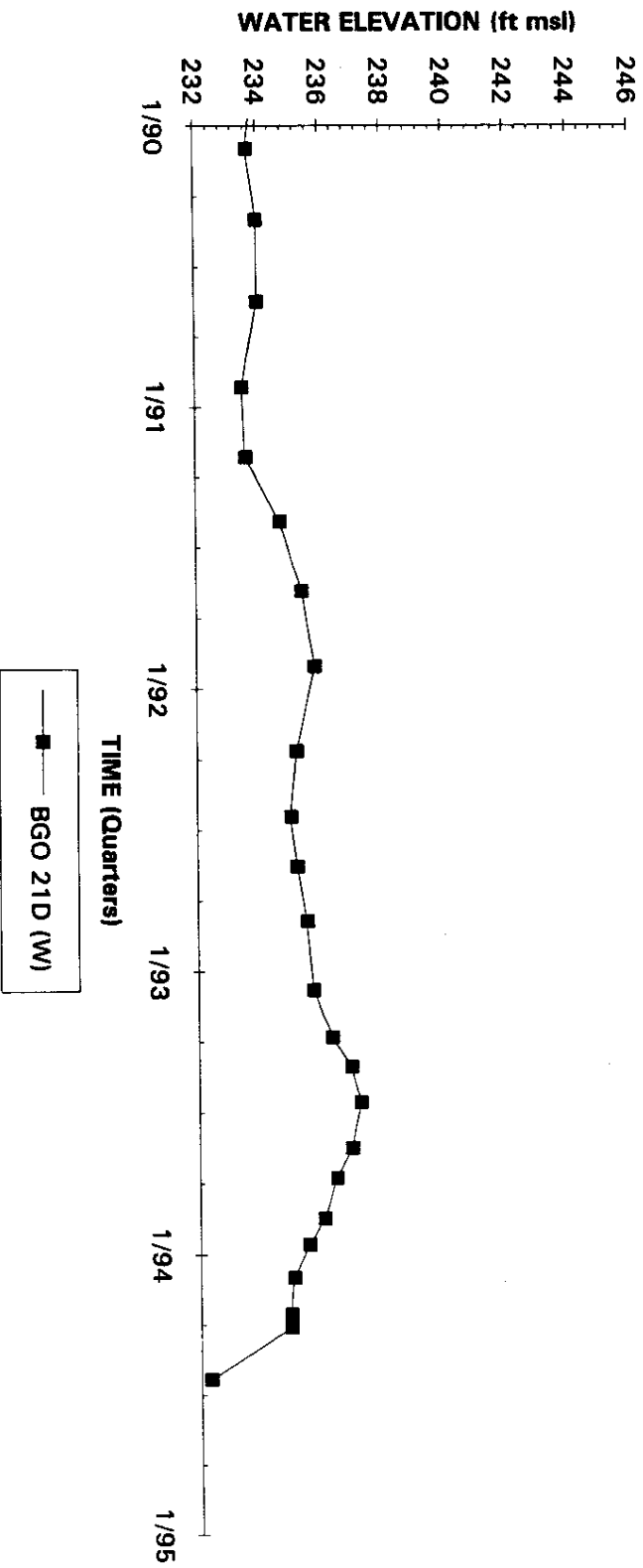
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 20D



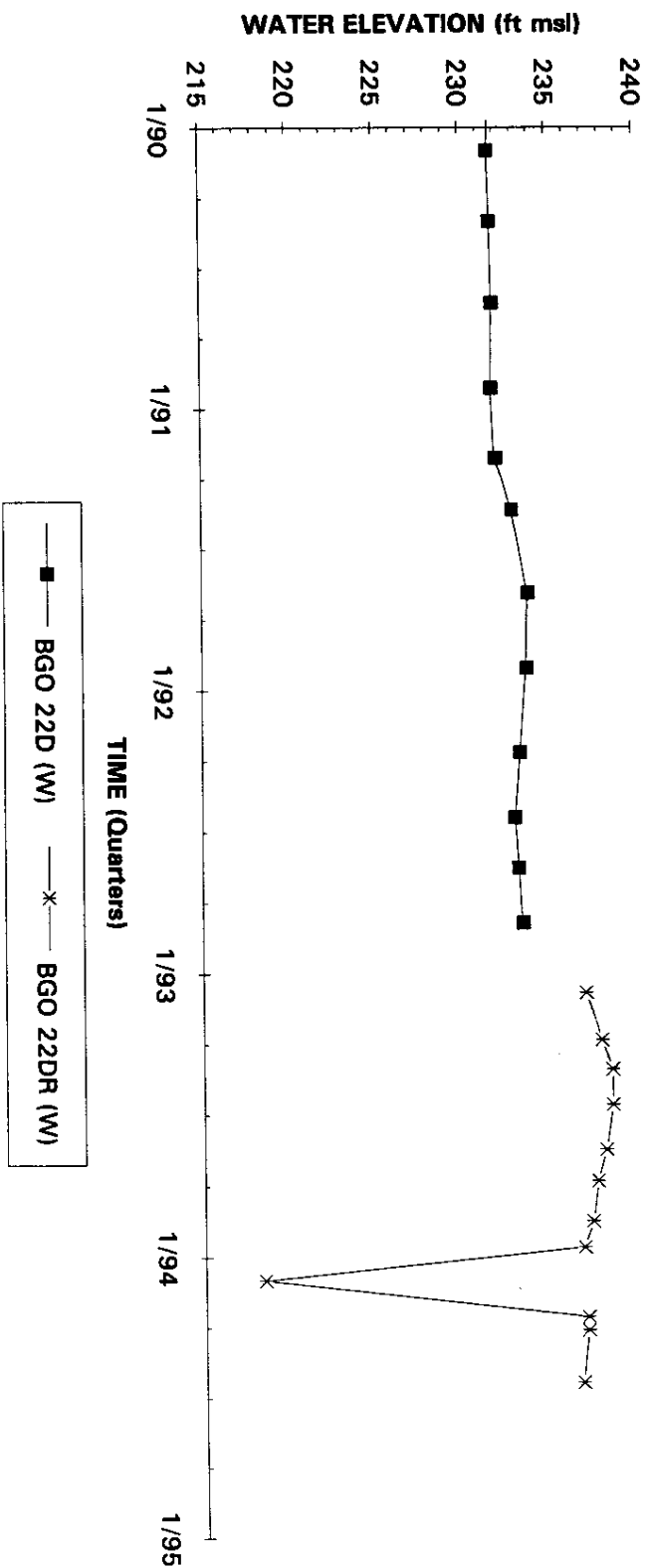
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 21D



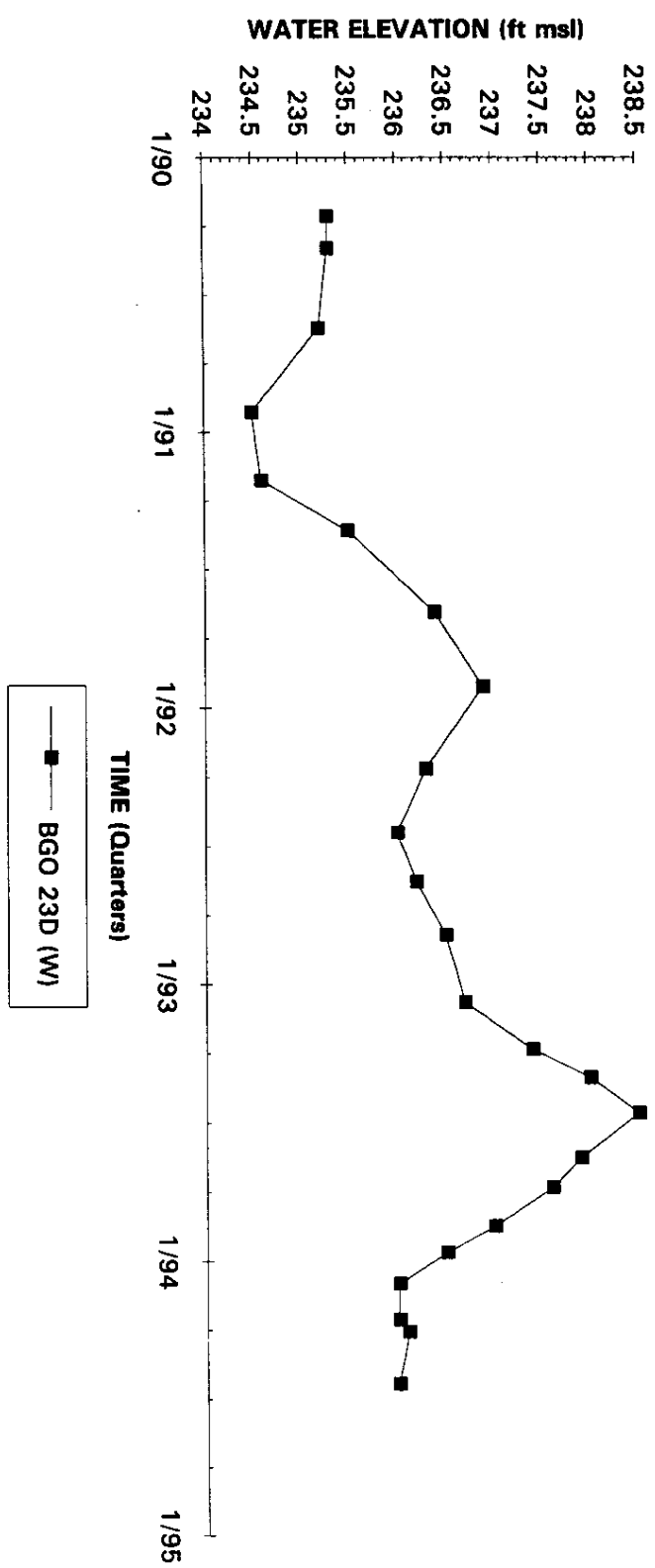
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 22



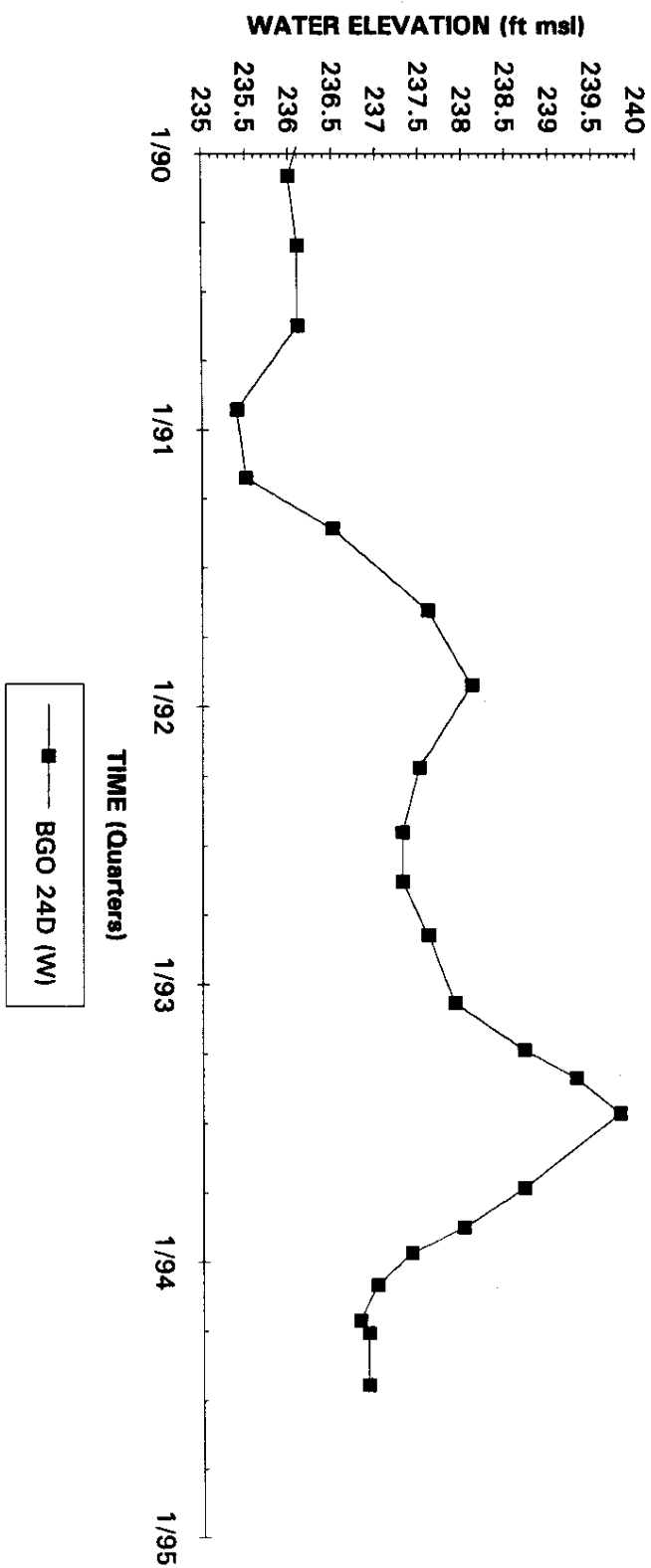
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 23D



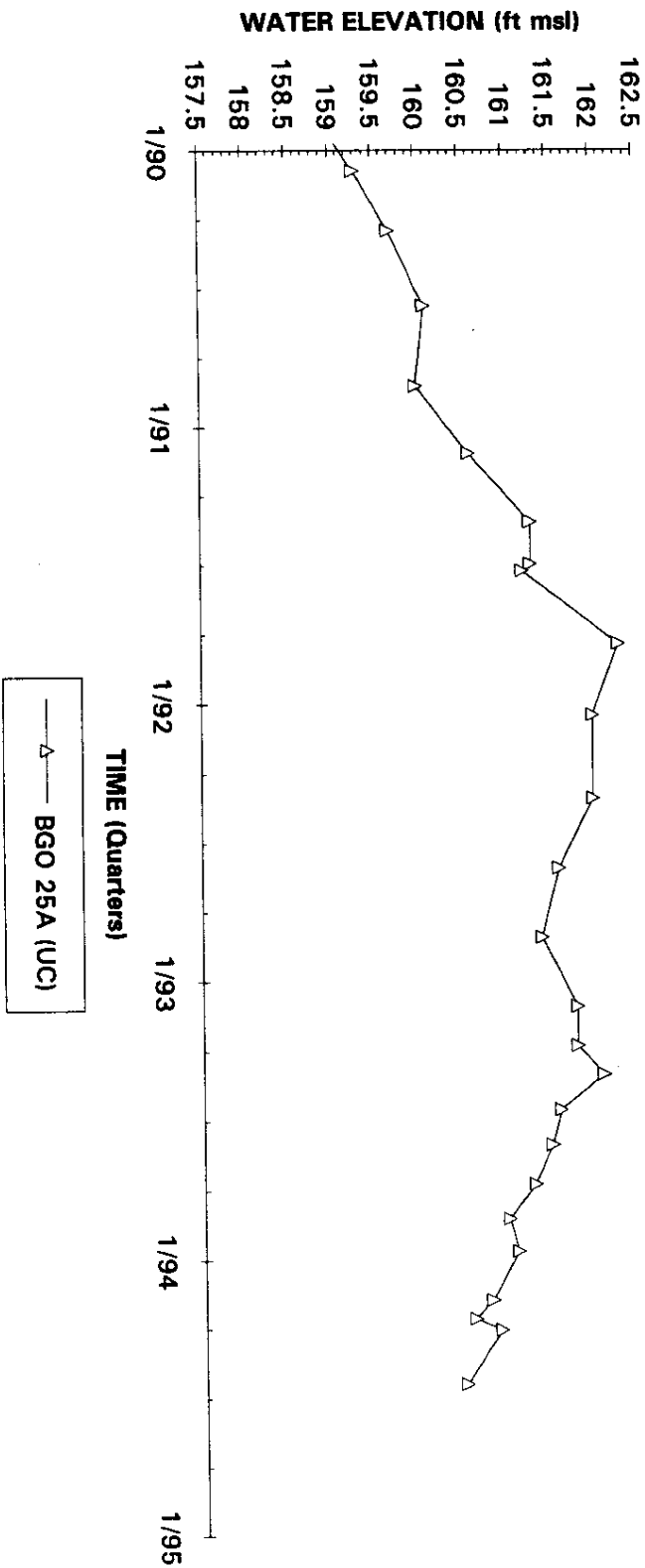
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 24D



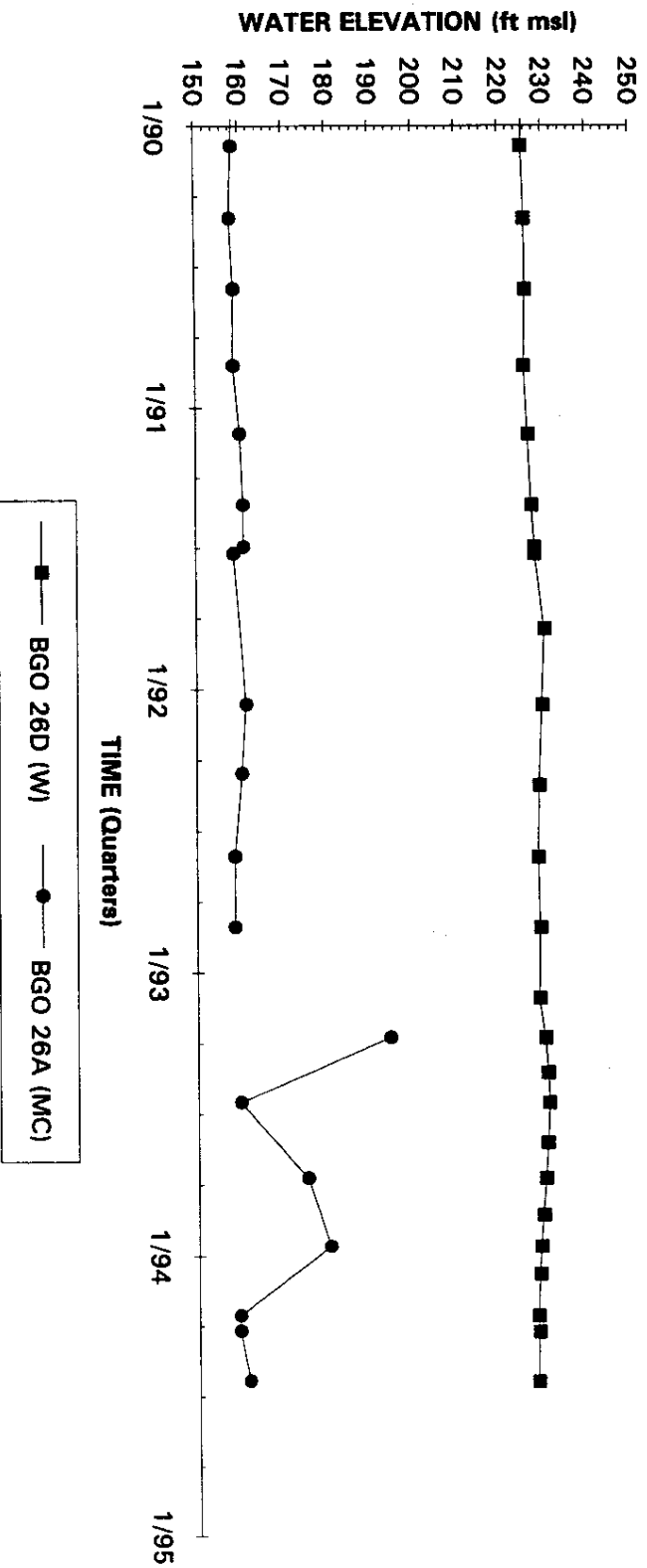
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 25A



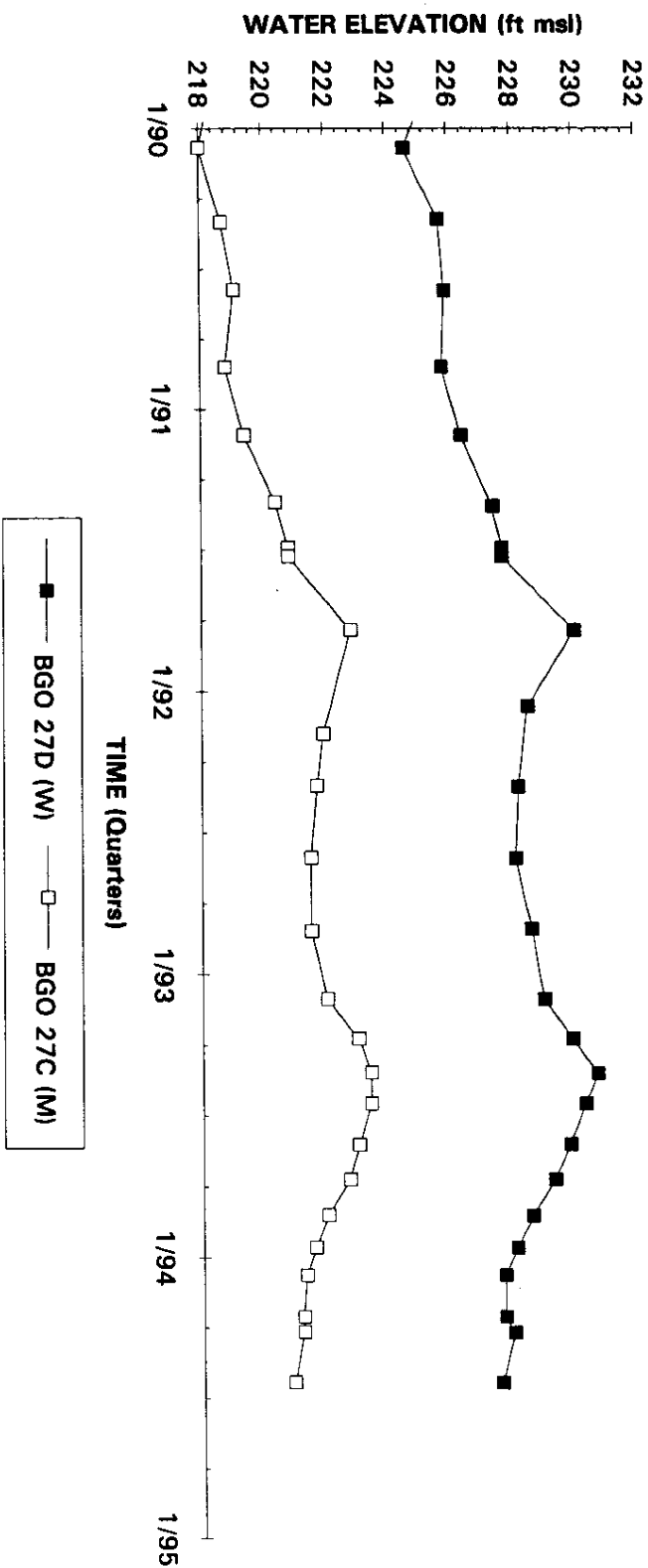
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 26



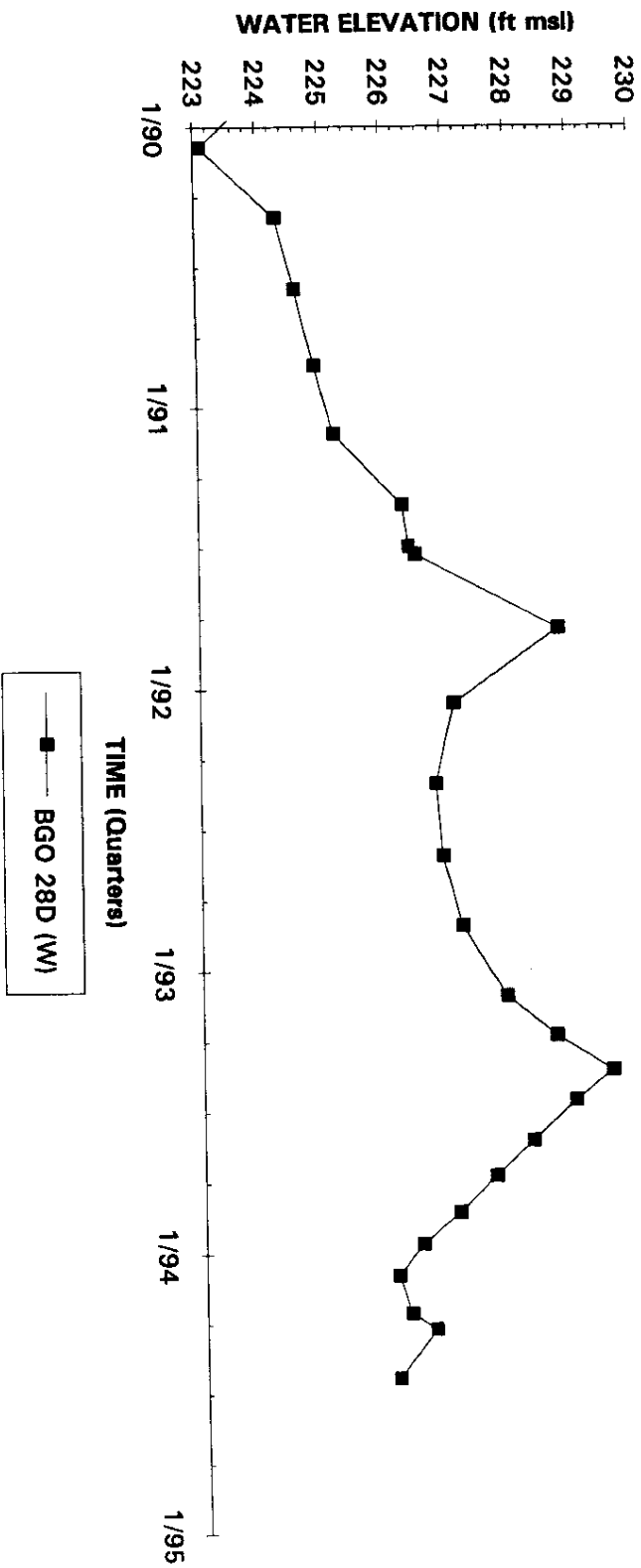
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 27



Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 28D

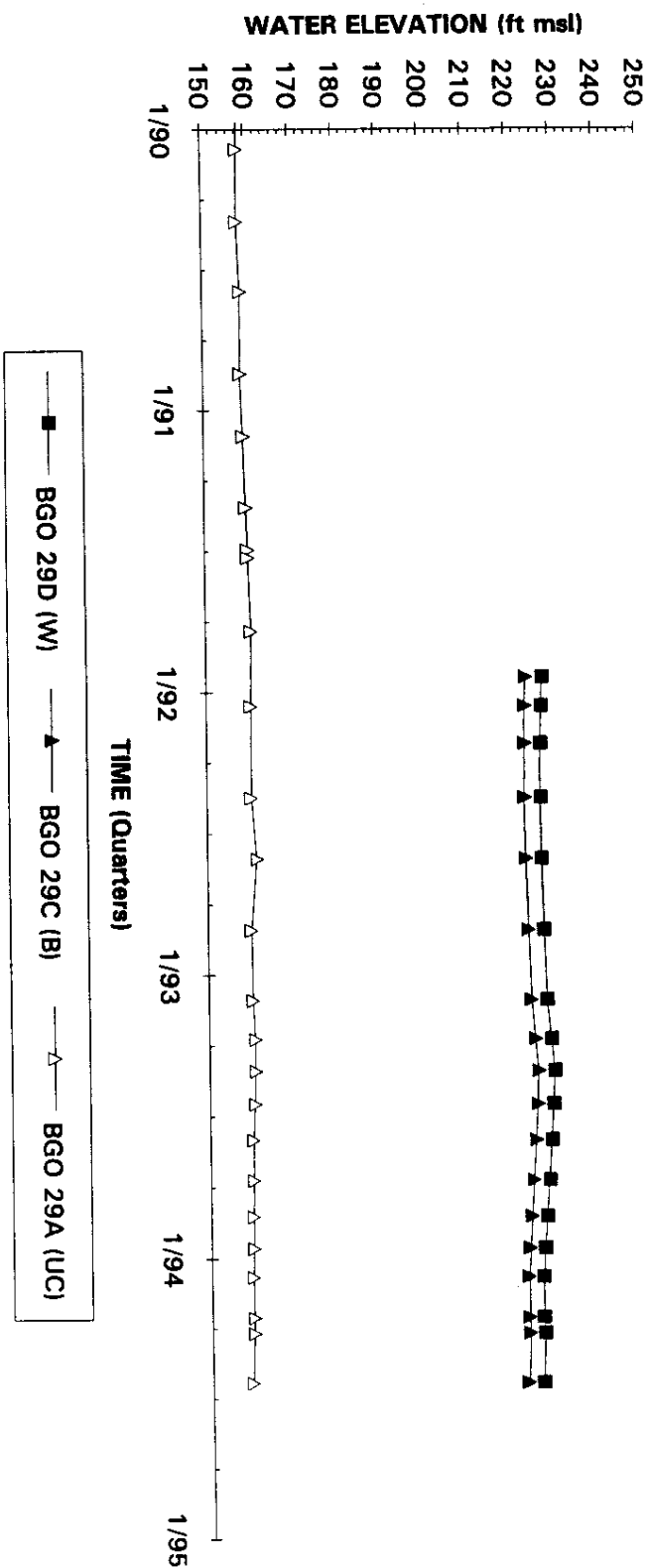


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MMMF

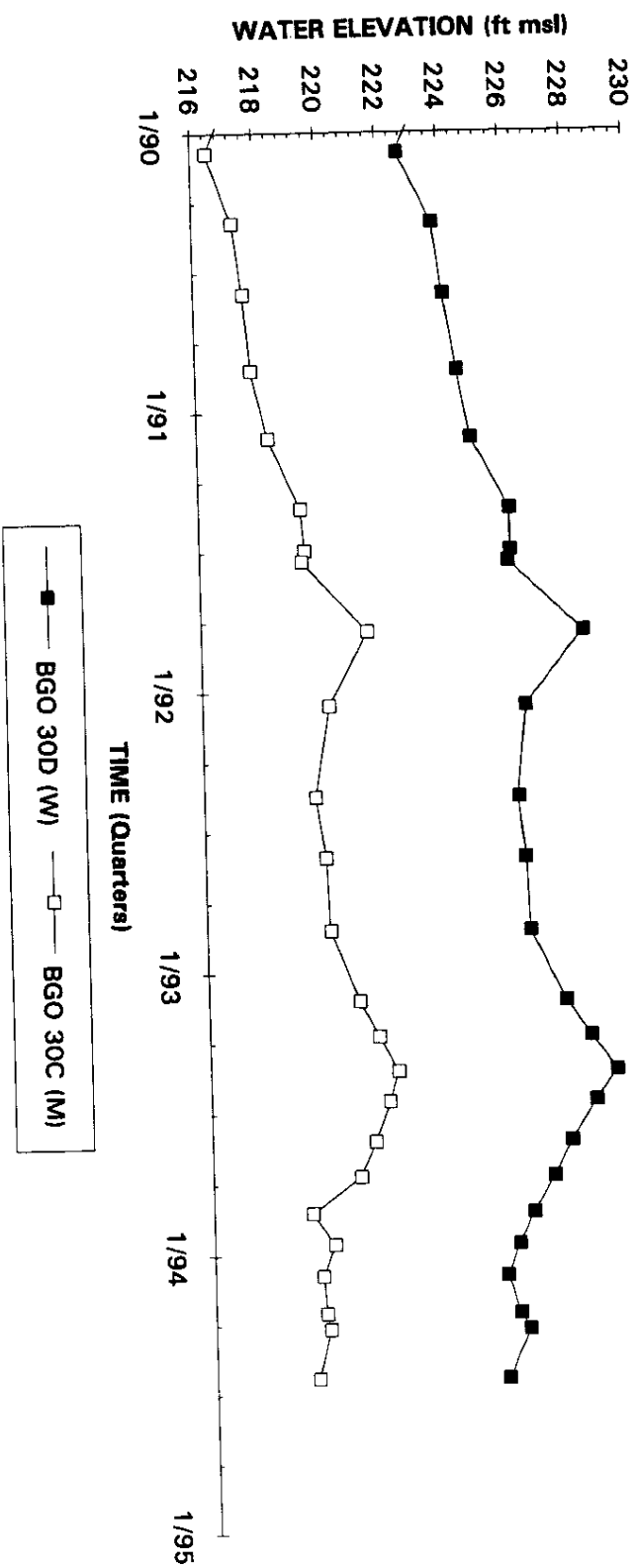
Second Quarter 1994

Hydrograph Well Cluster BGO 29



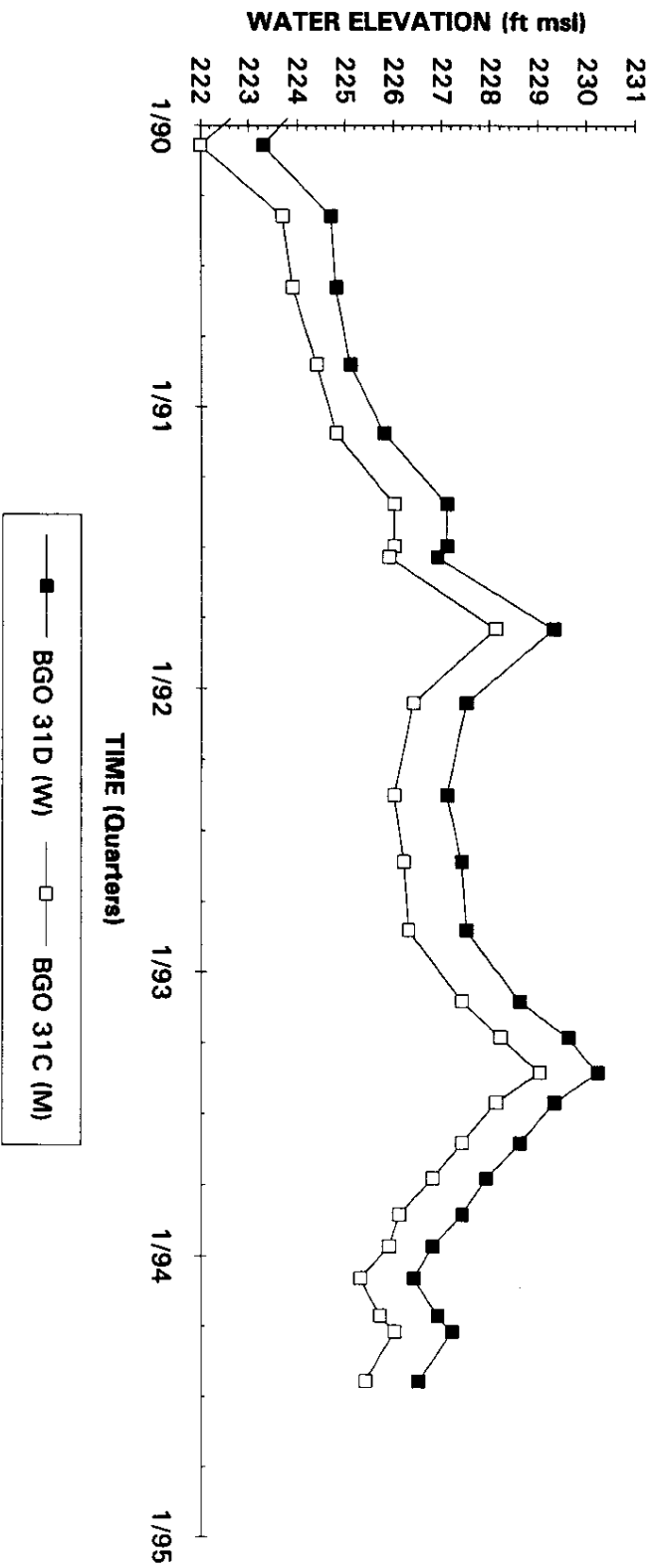
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 30



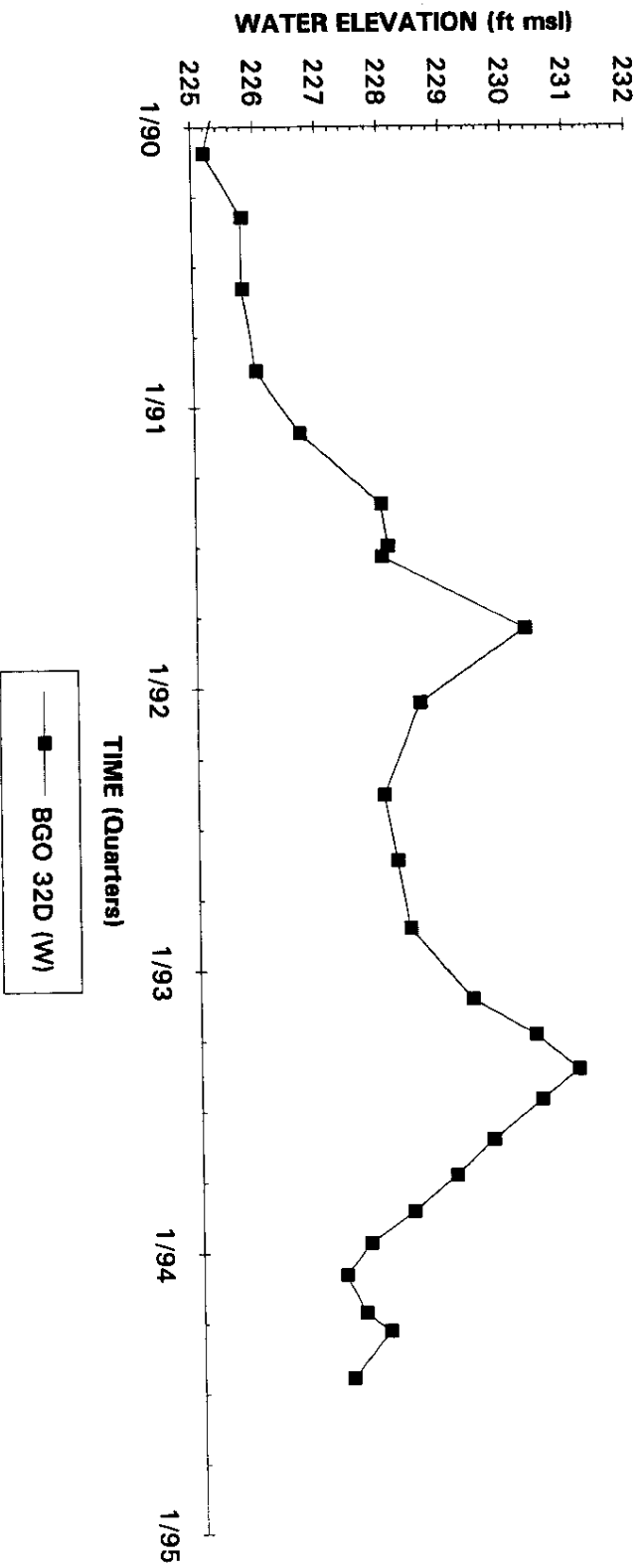
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 31



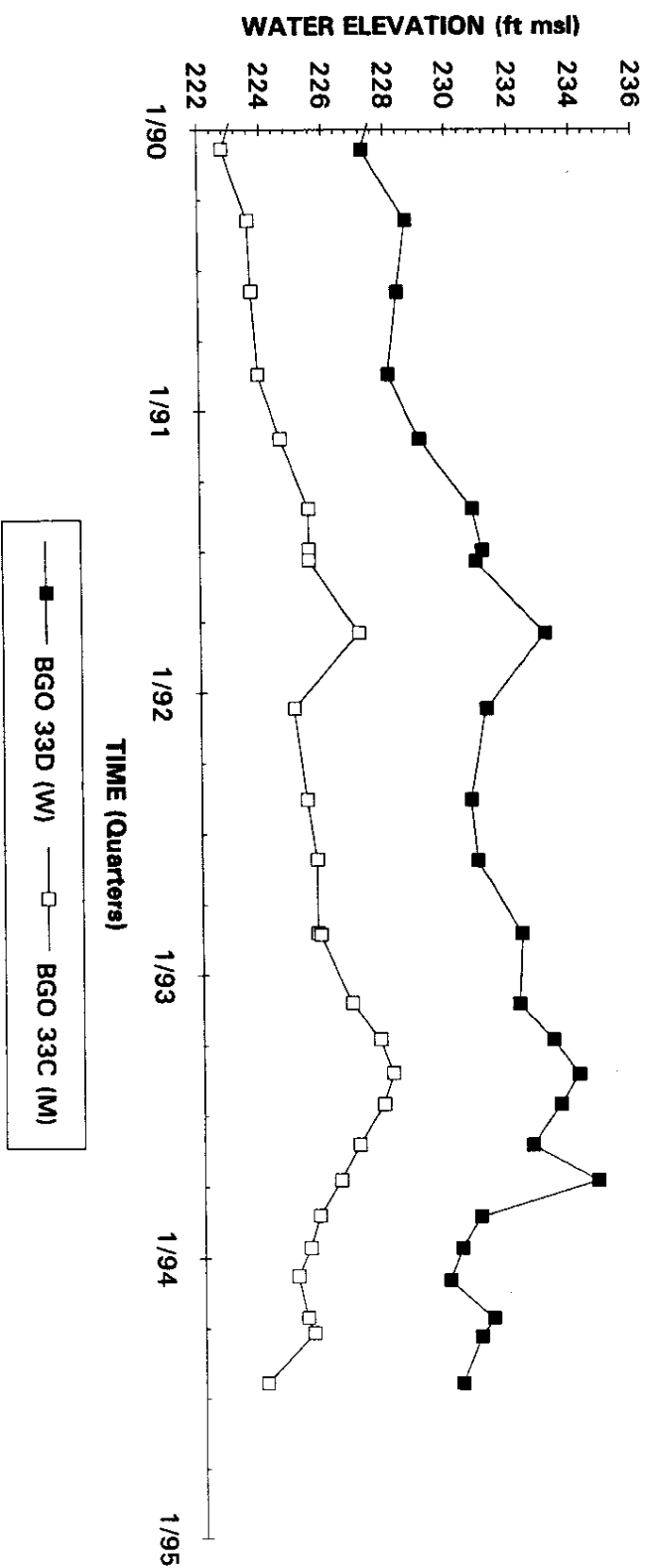
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 32D



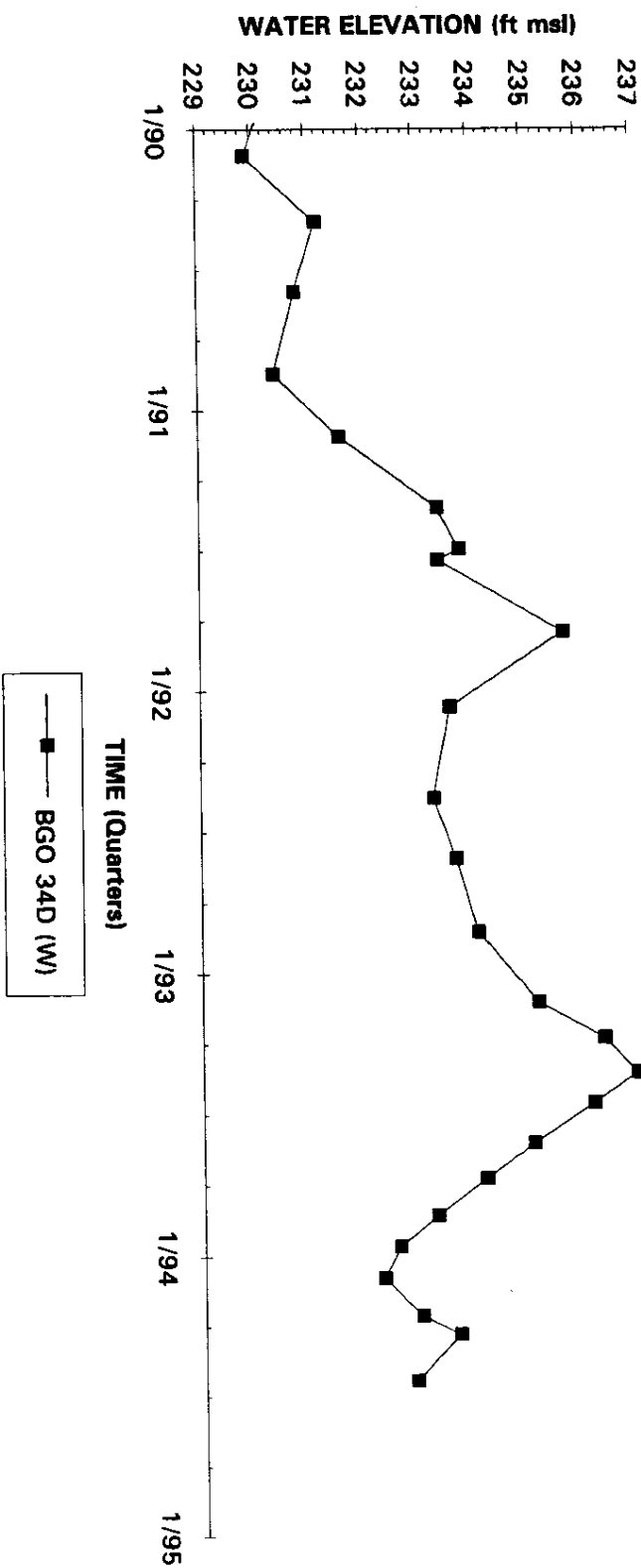
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 33



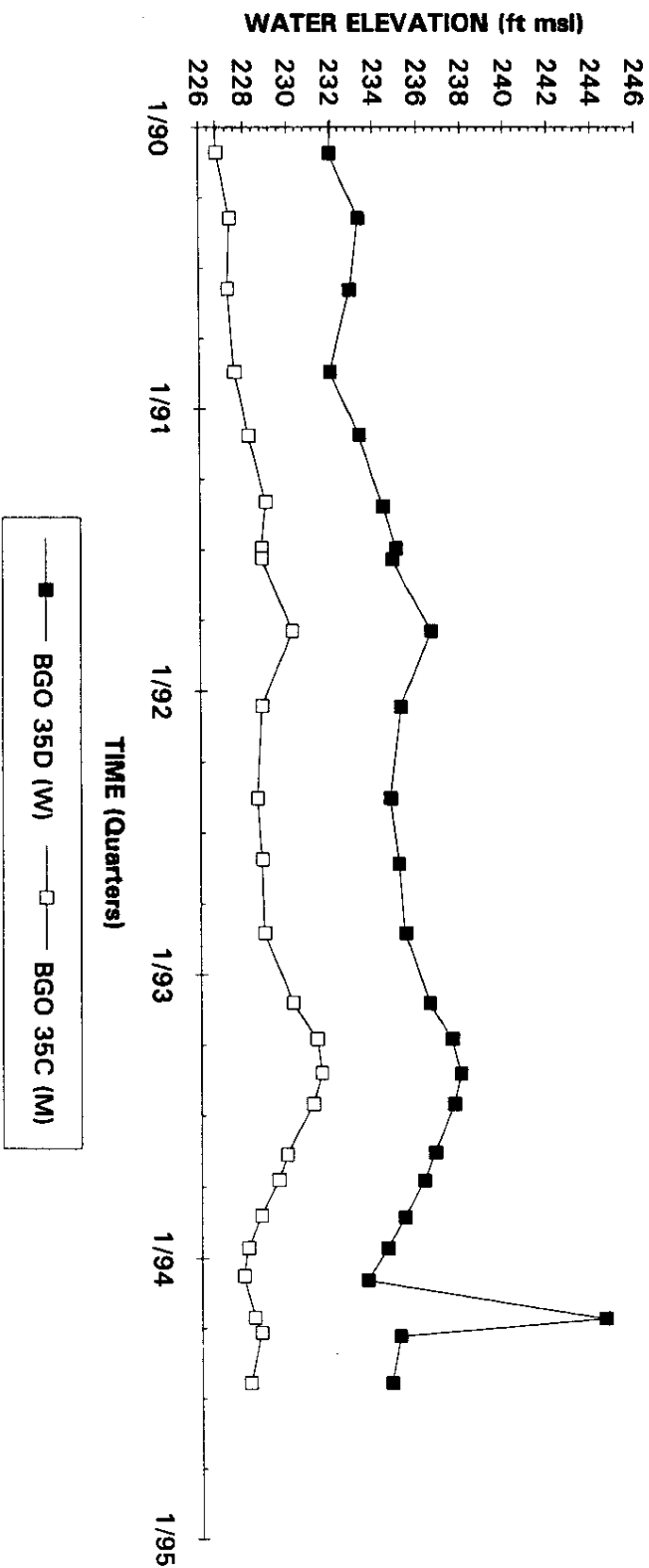
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 34D



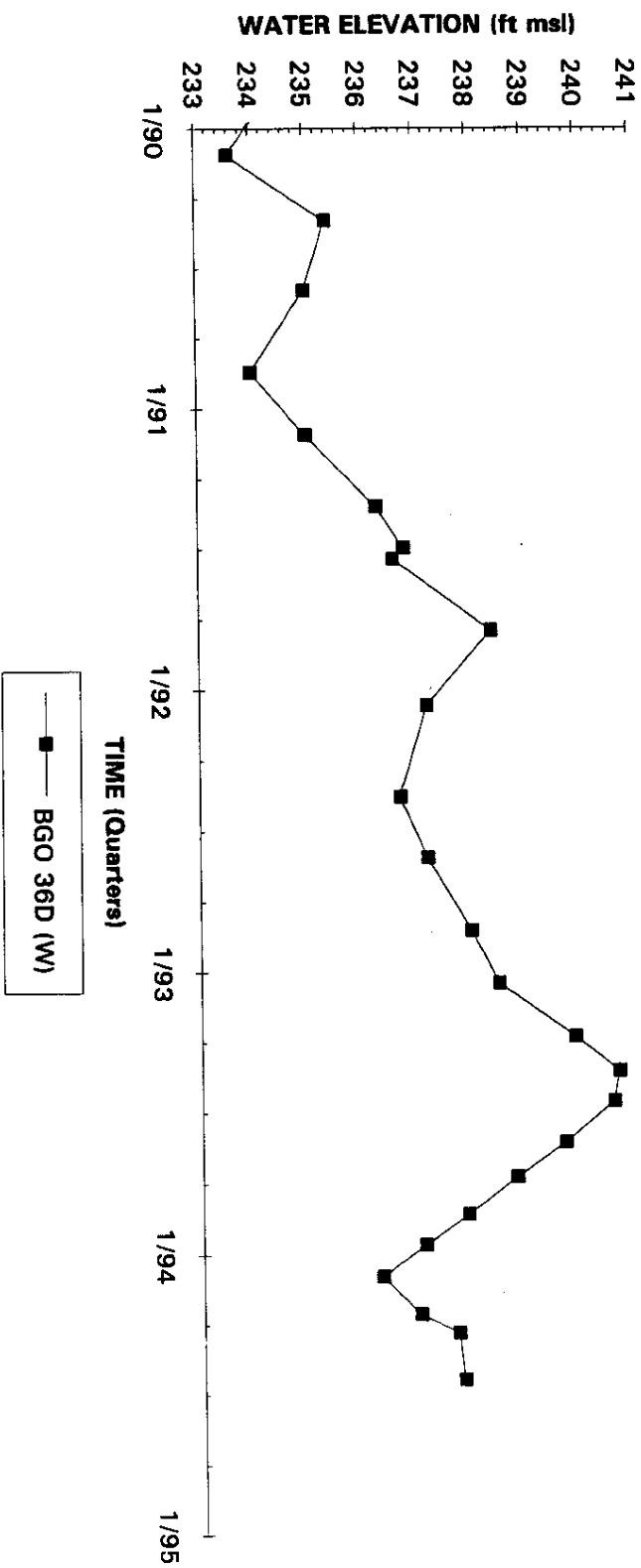
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 35



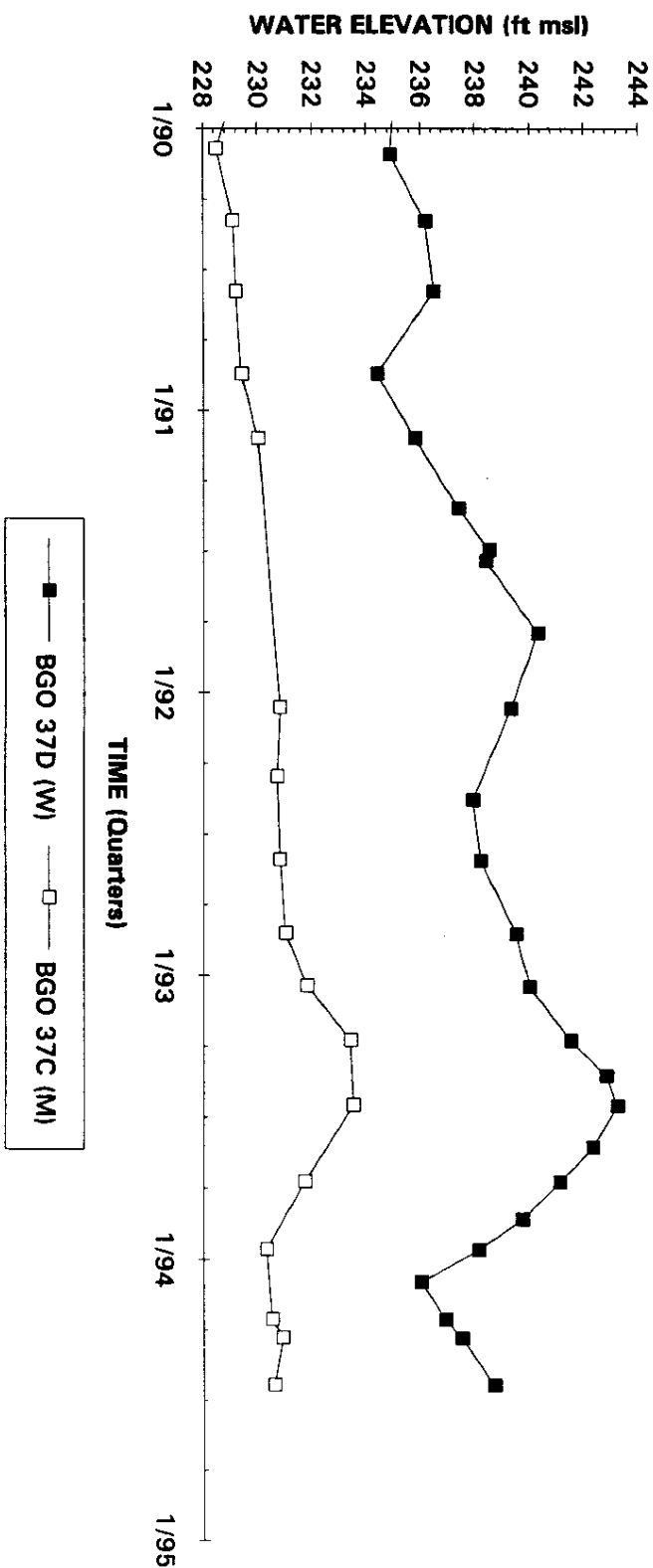
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 36D



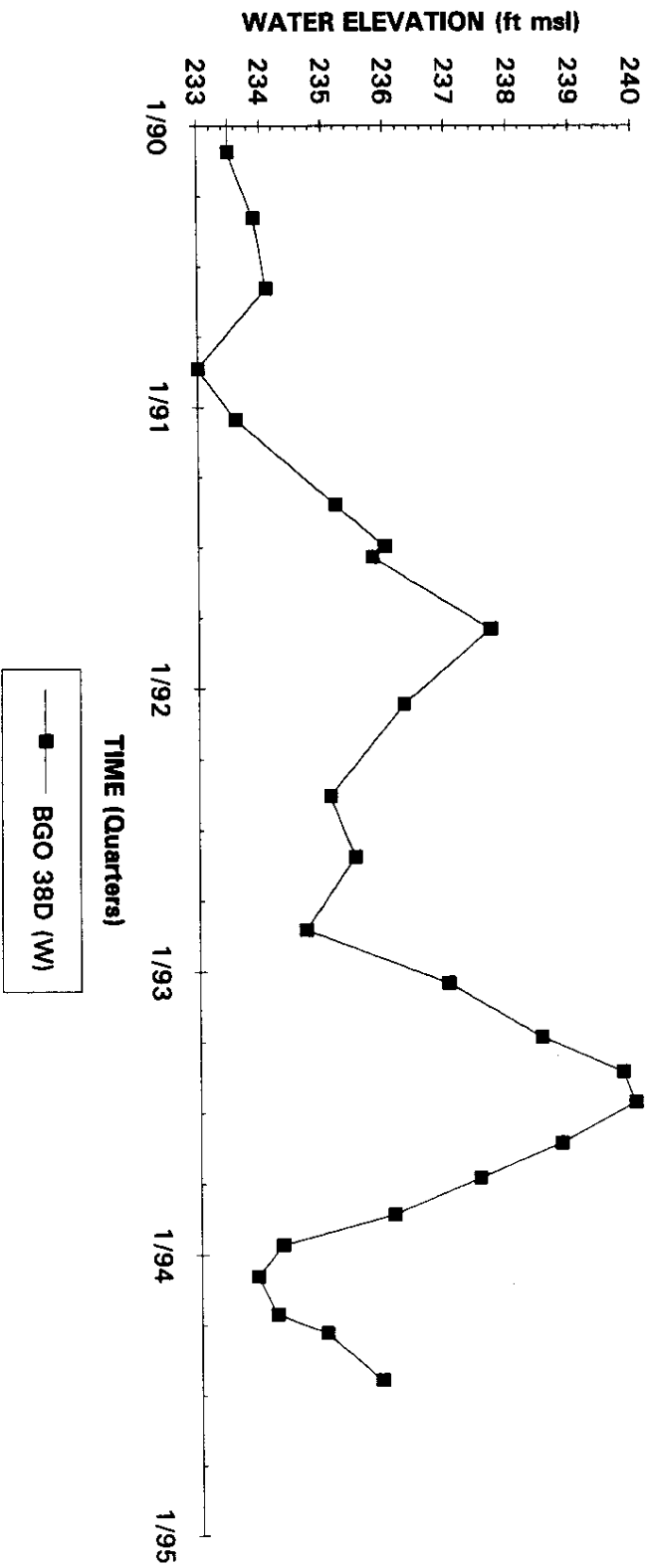
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 37



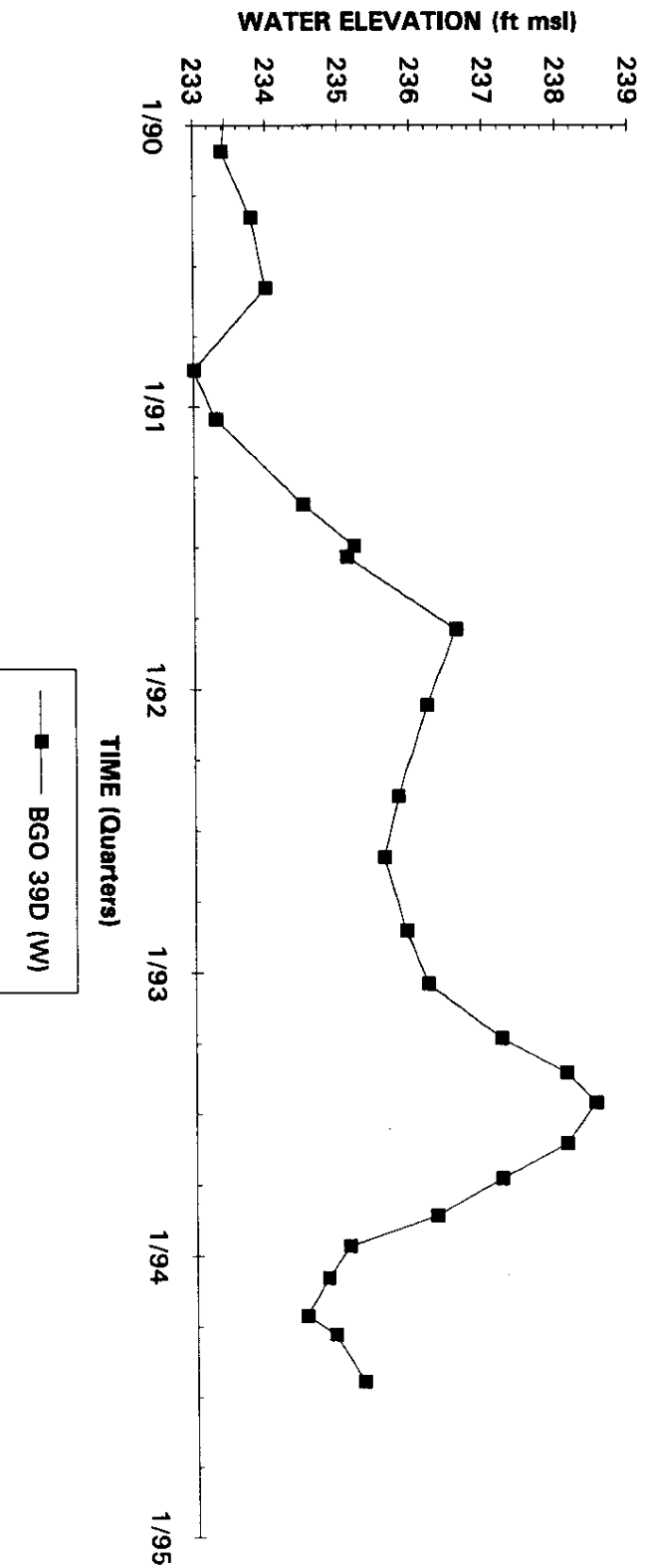
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 38D



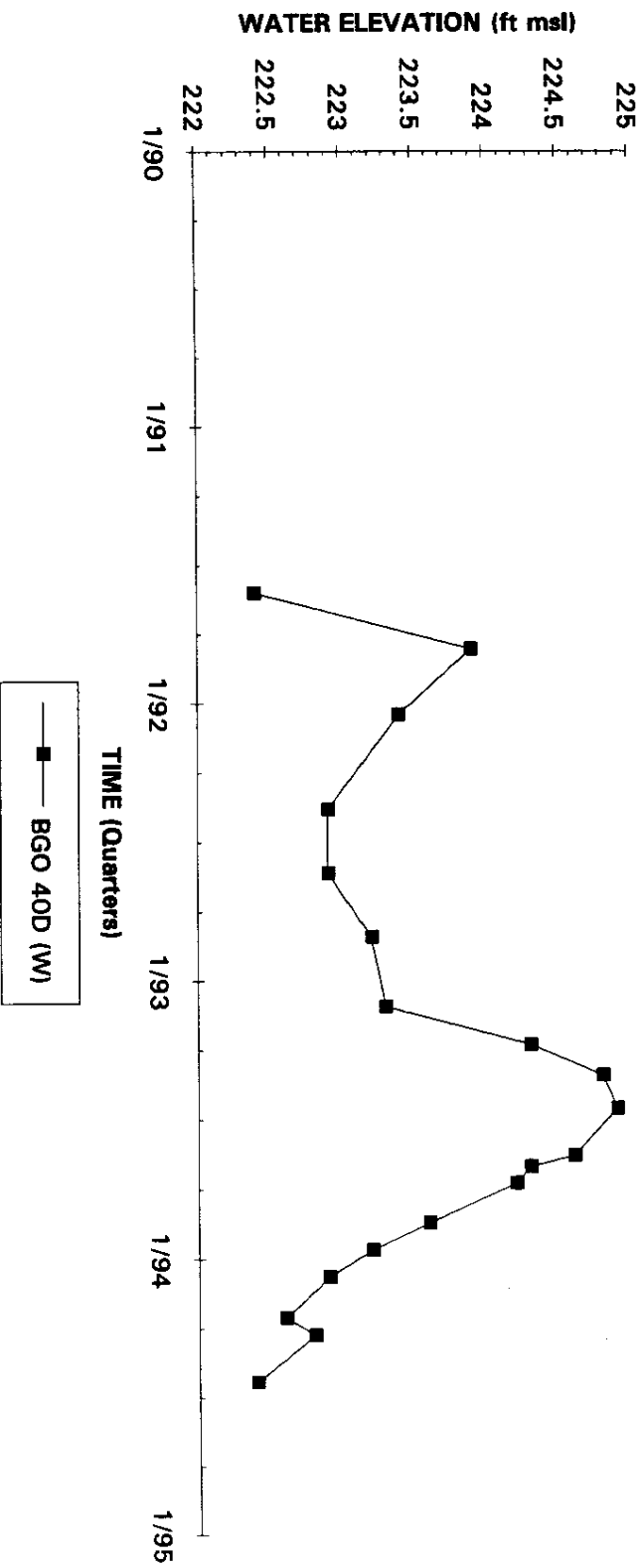
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 39D



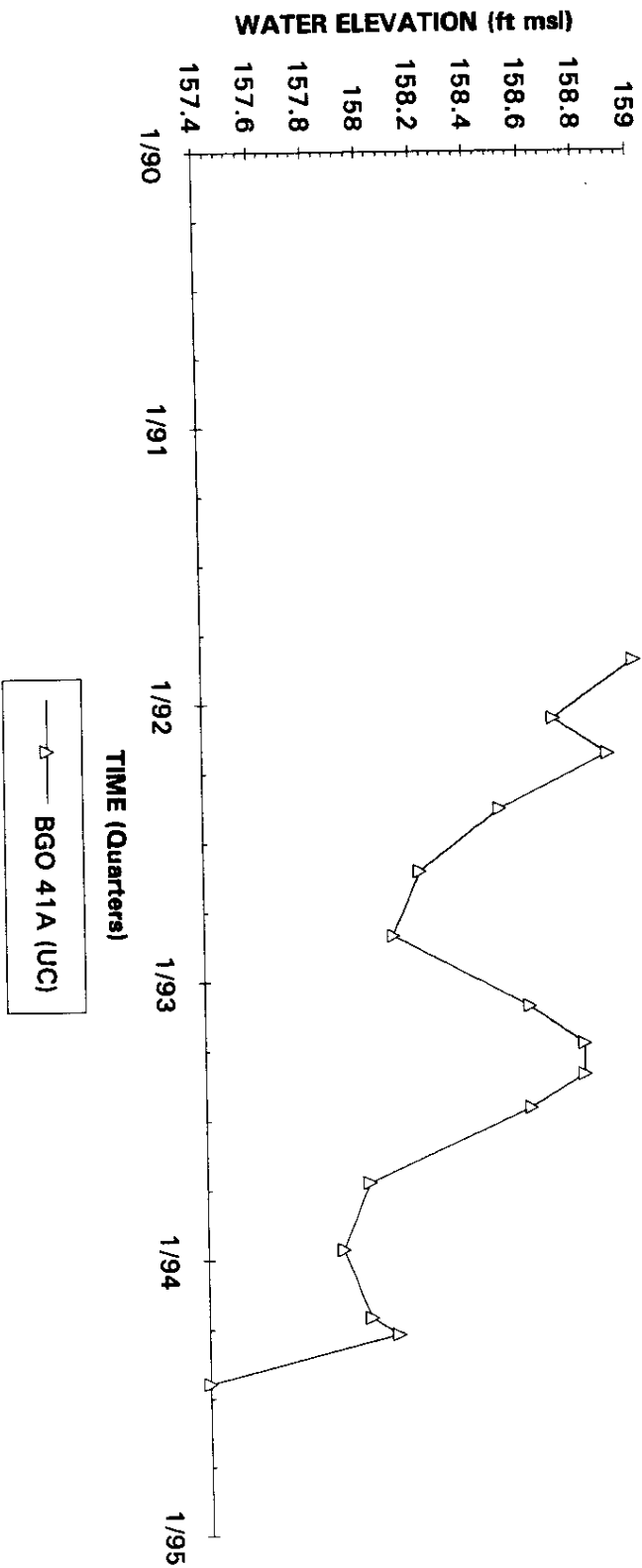
Note: W=Water Table (IIBZ); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 40D



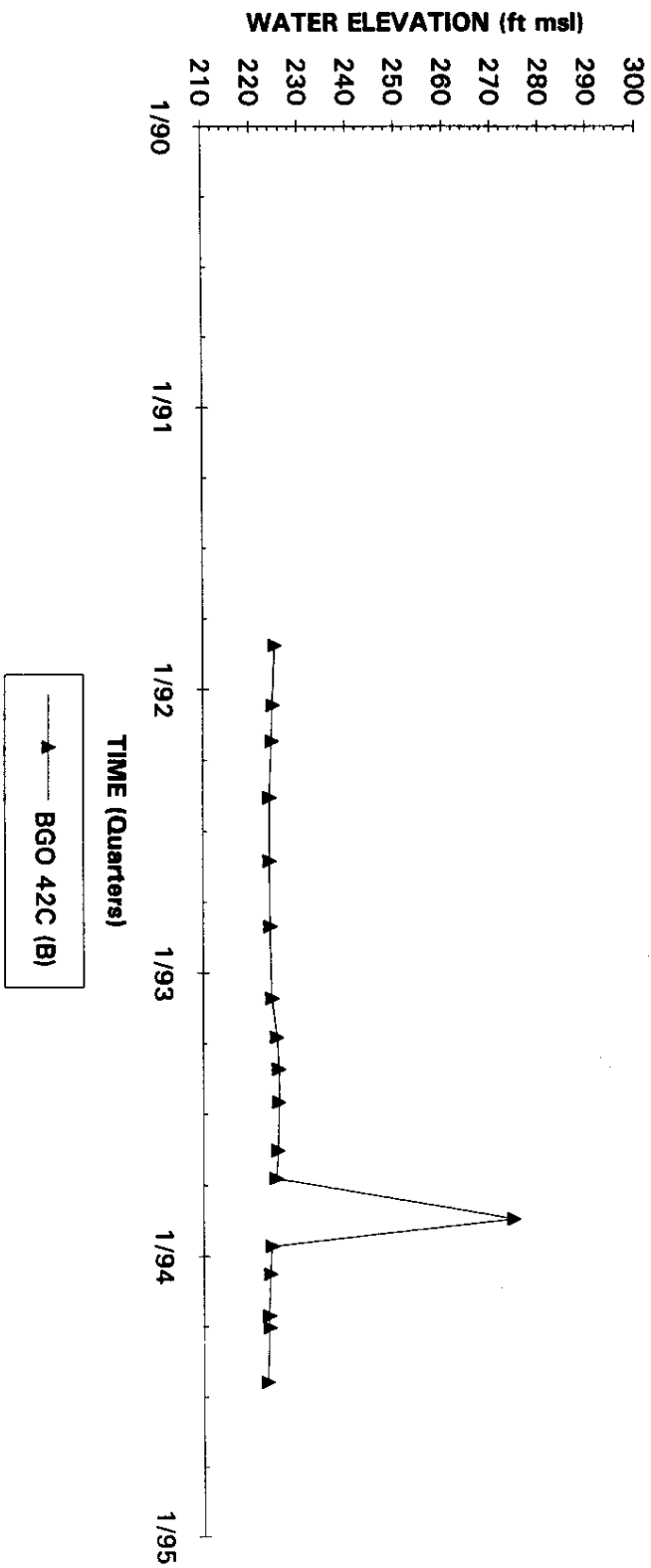
Note: W=Water Table (IIB2); B=Barrwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 41A



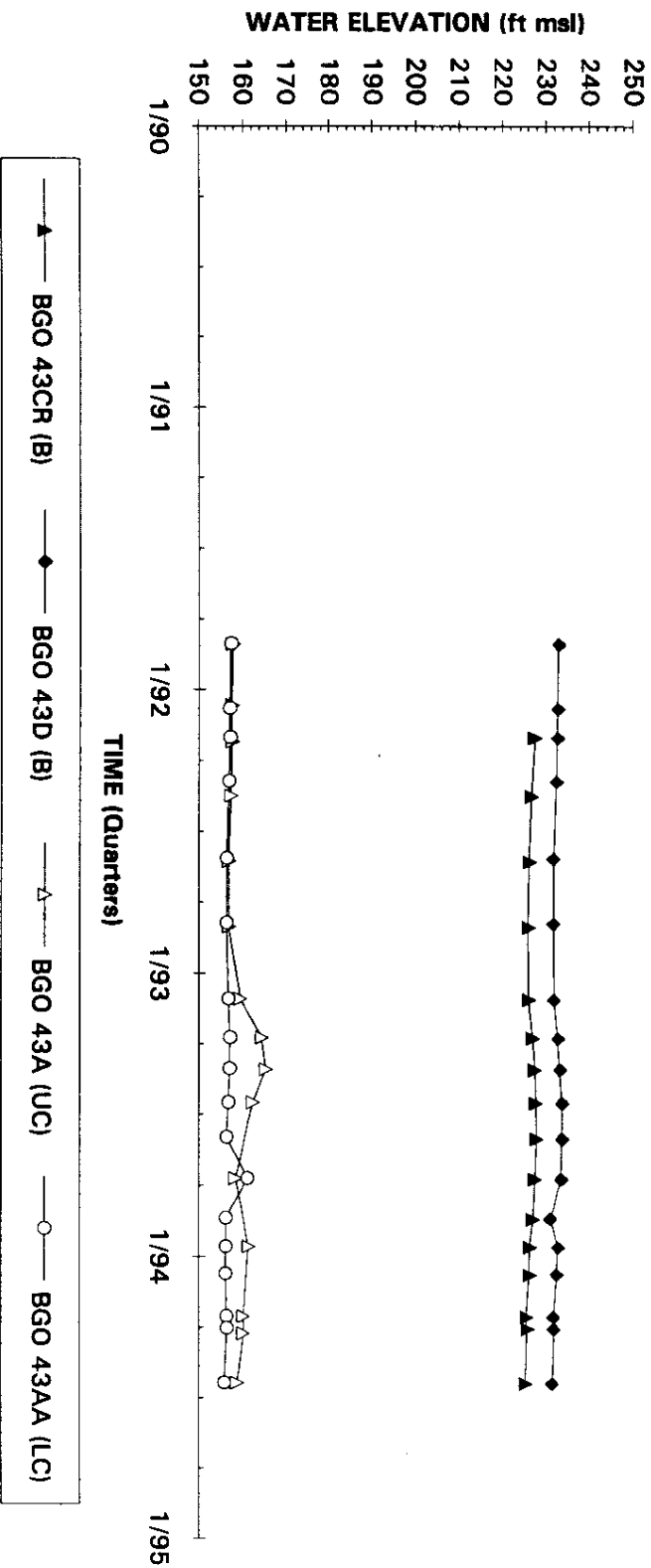
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 42C



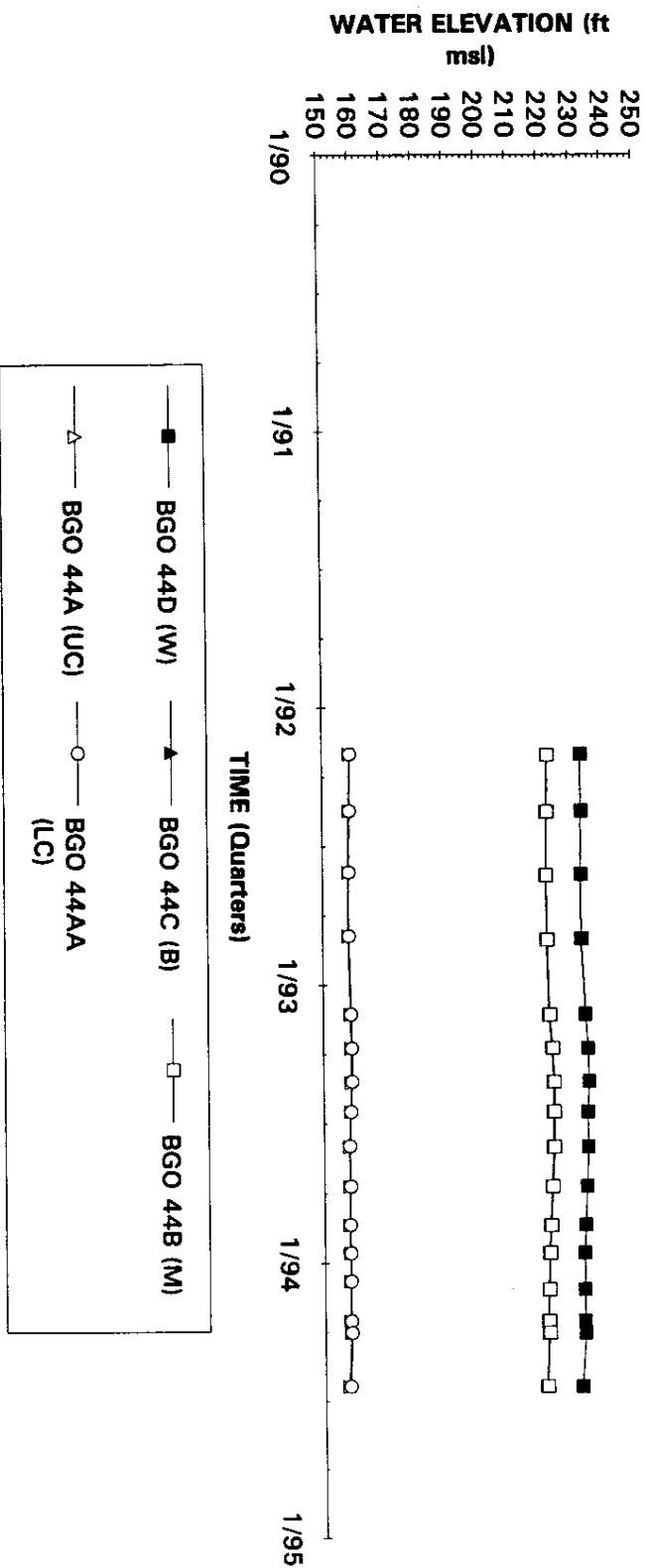
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 43



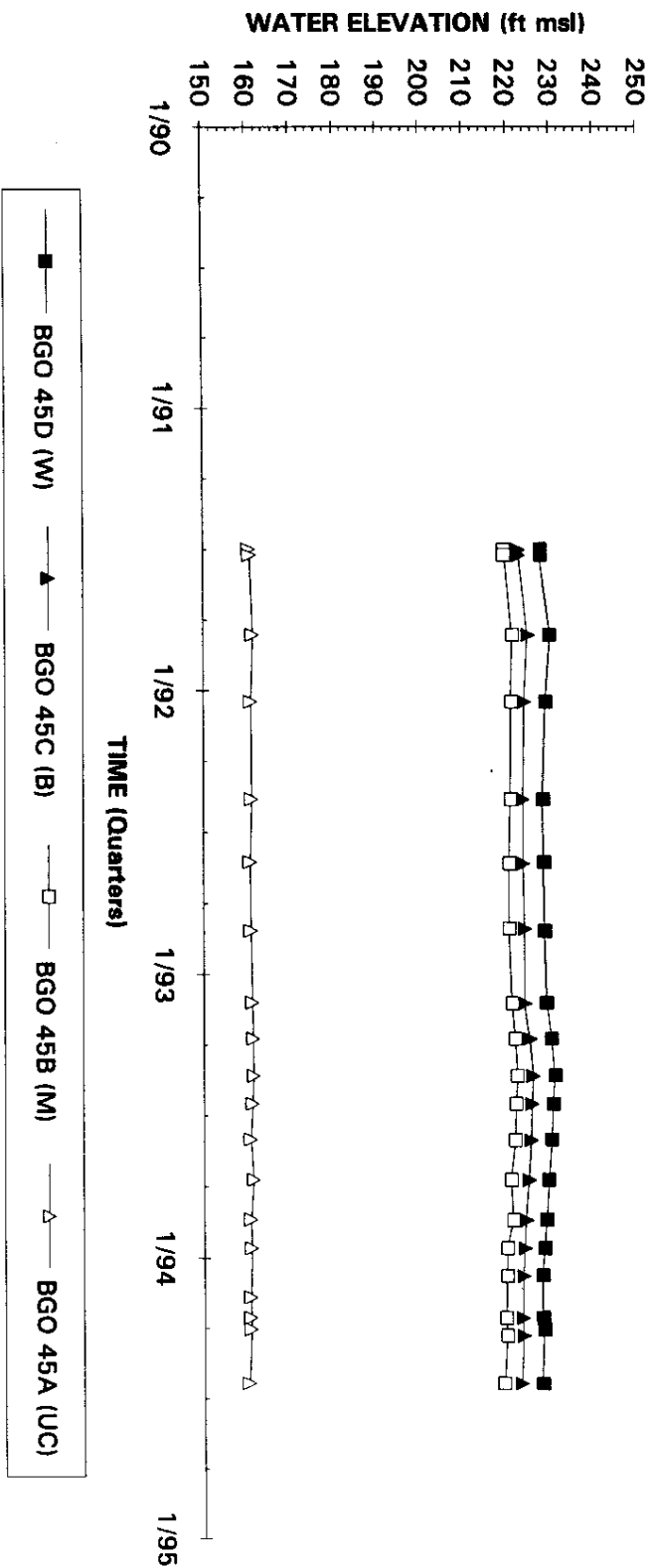
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 44



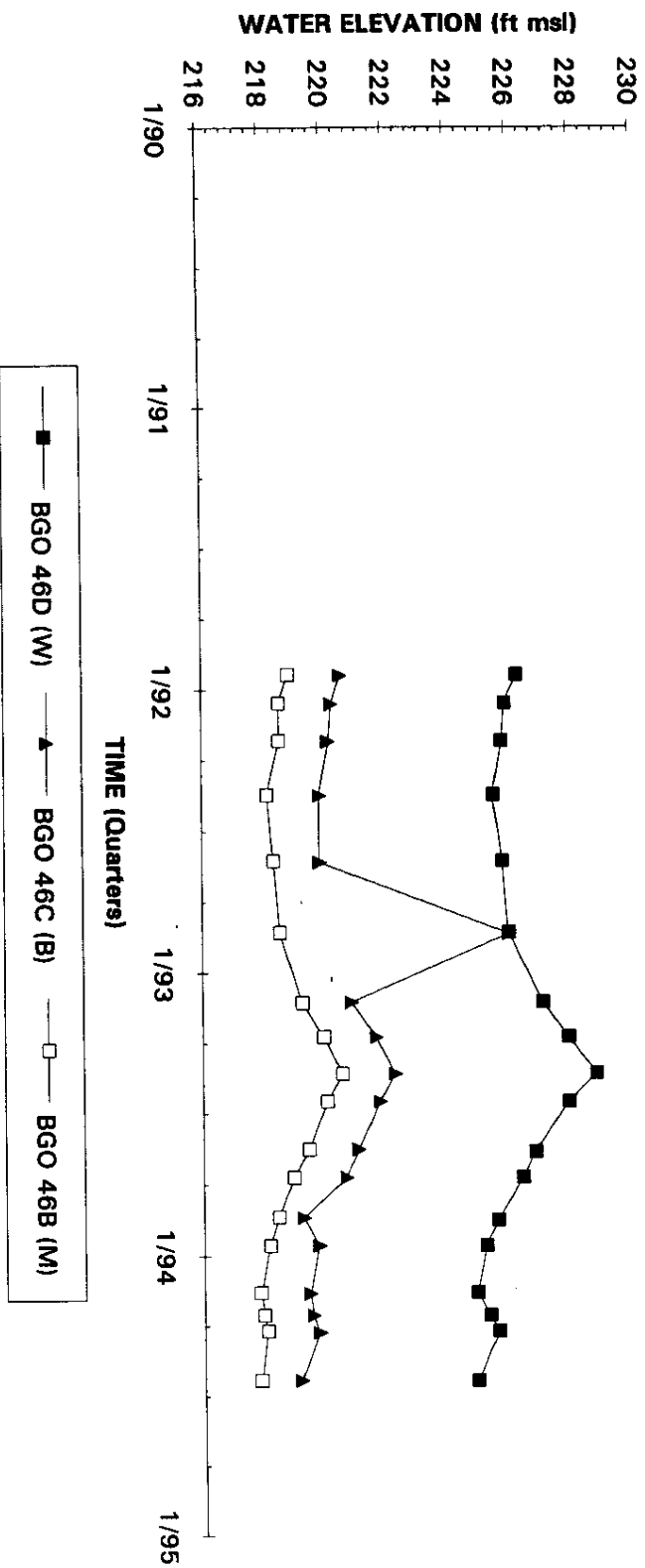
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 45



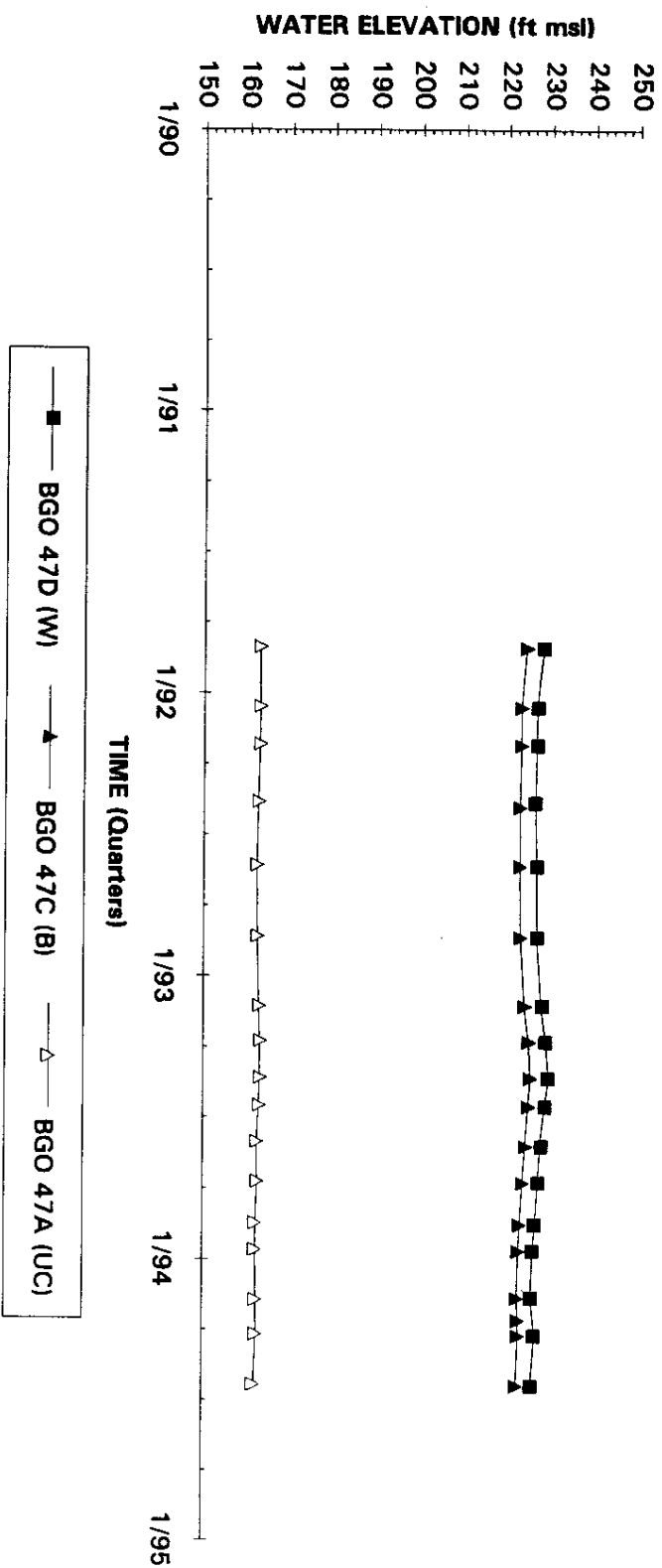
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 46



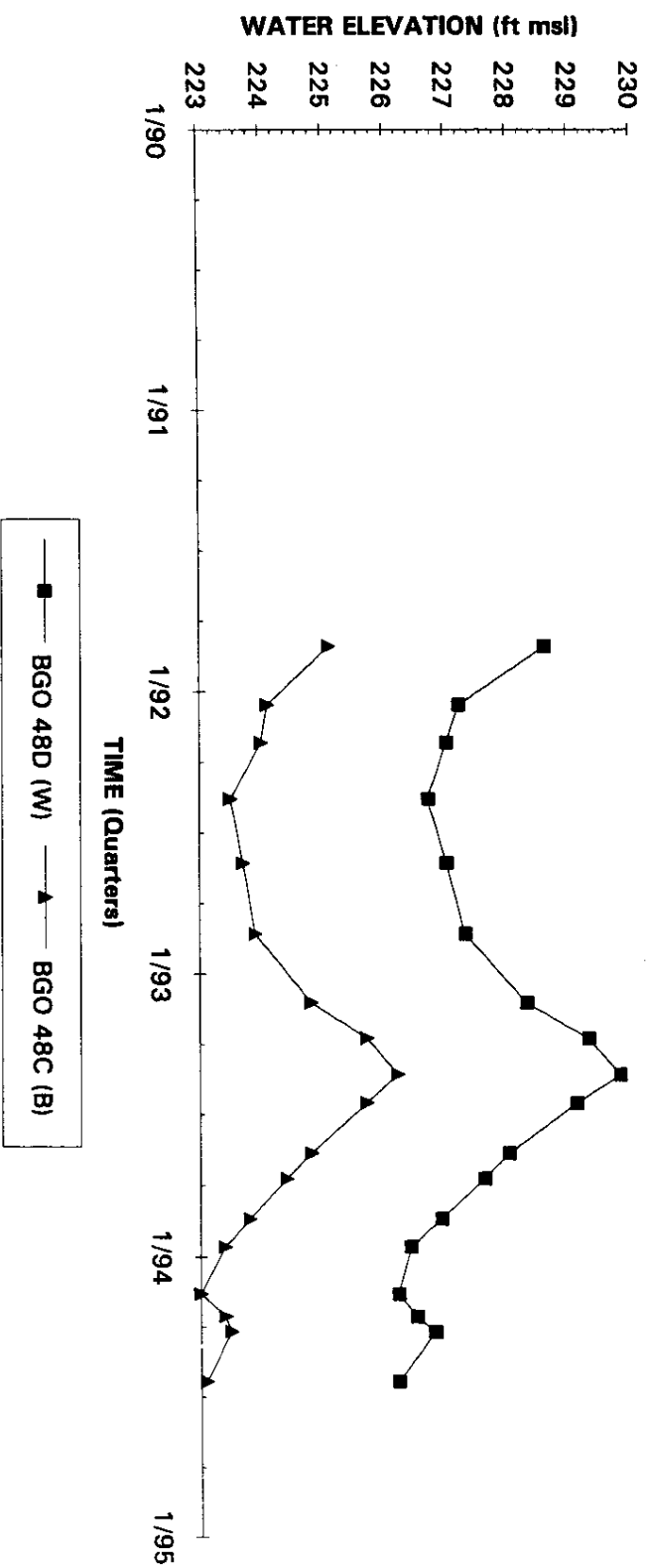
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 47



Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 48

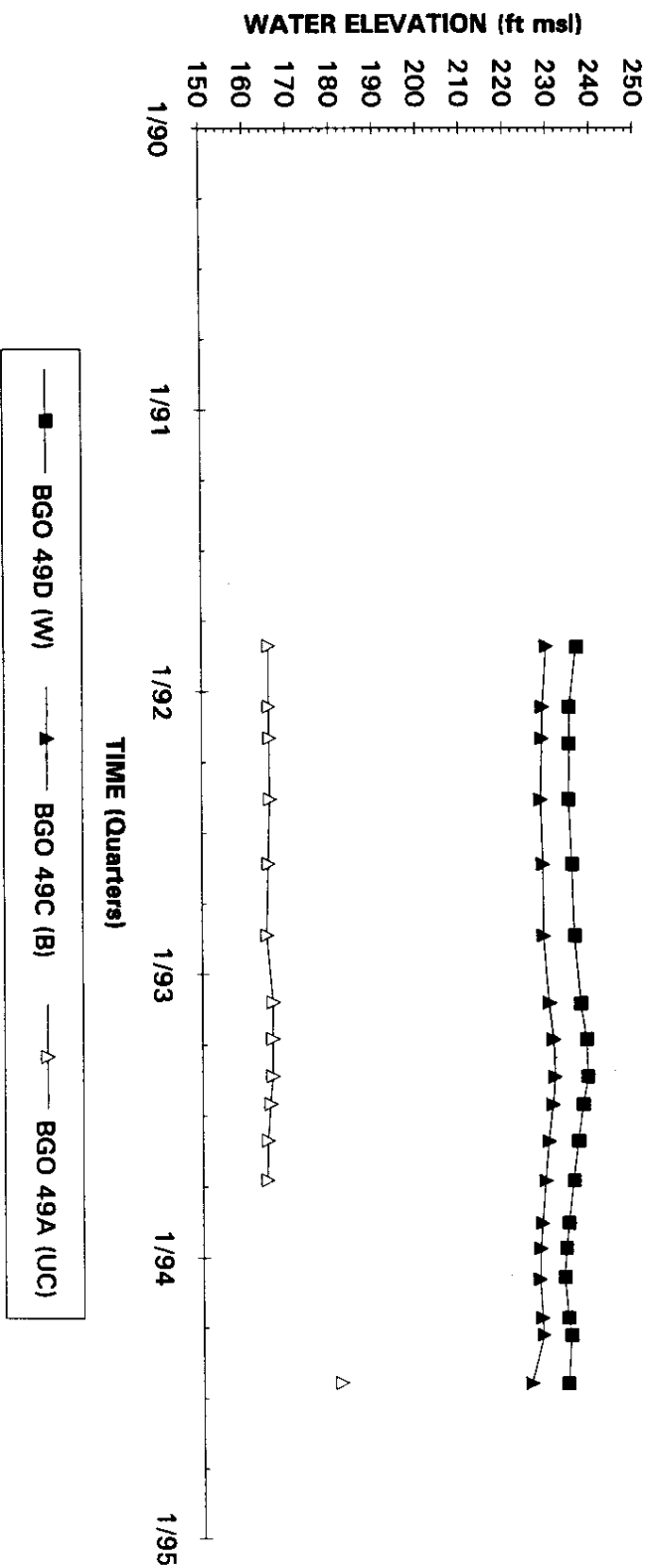


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MMMF

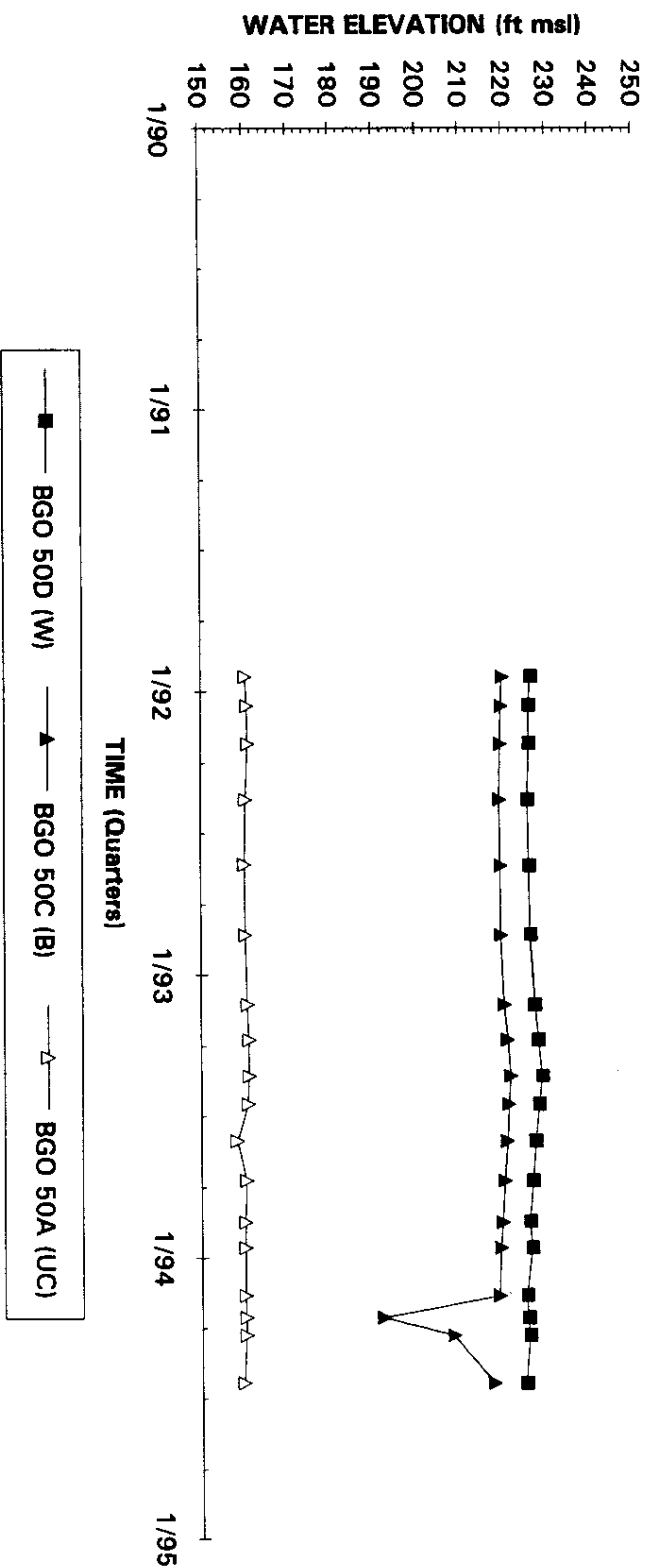
Second Quarter 1994

Hydrograph Well Cluster BGO 49



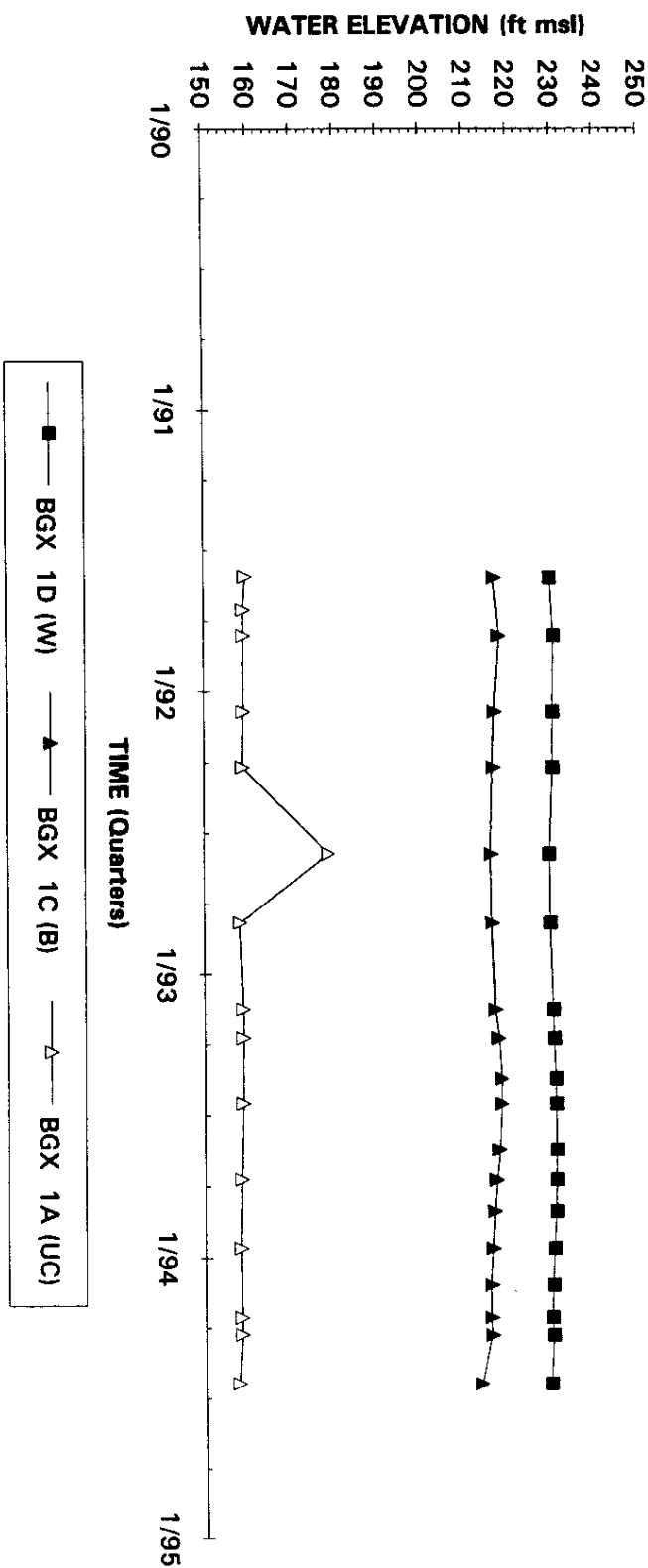
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 50



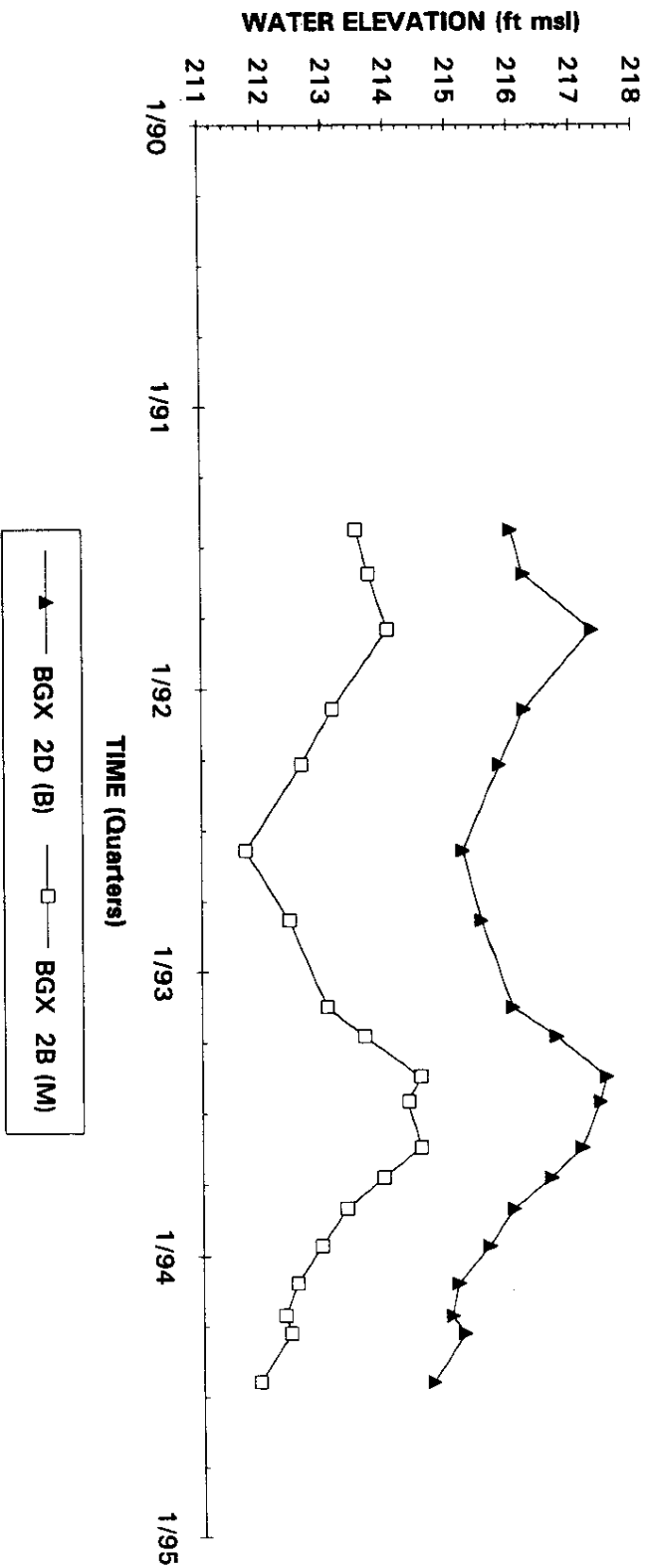
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 1



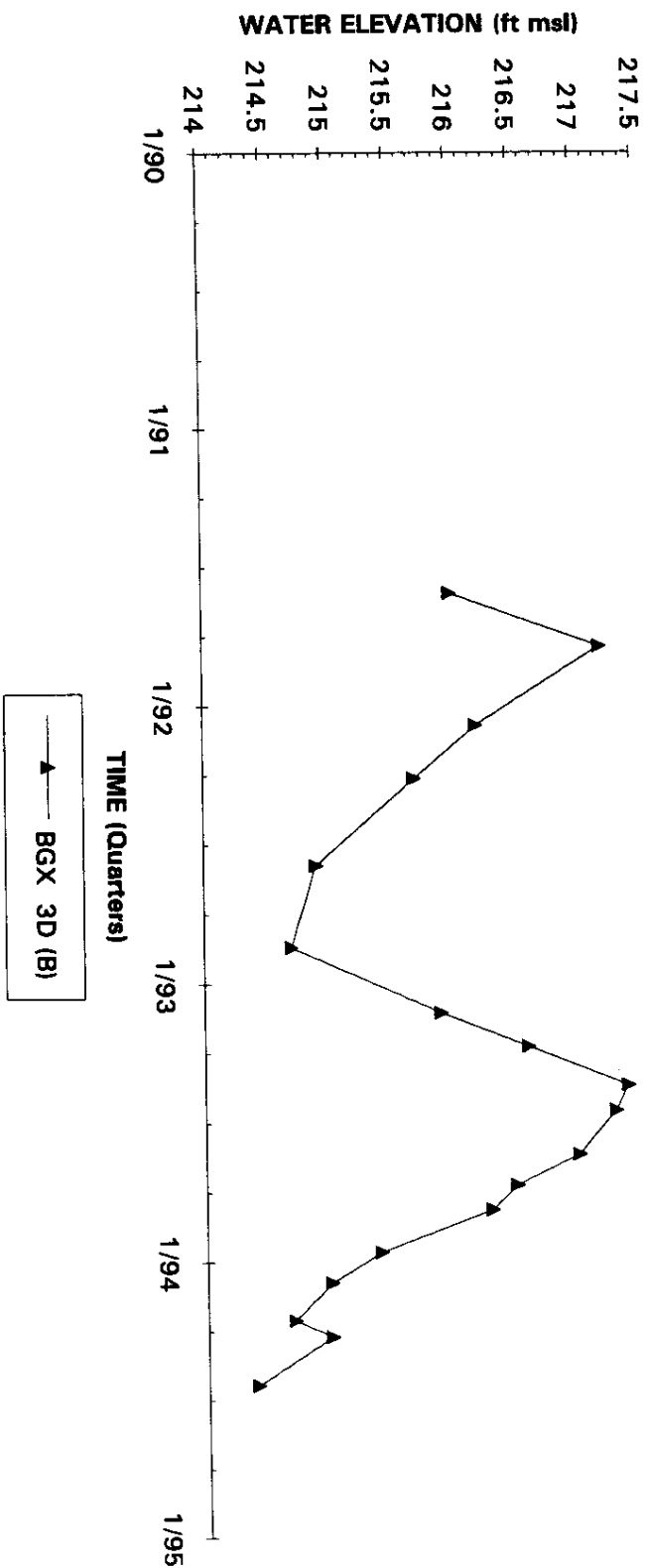
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 2



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 3D

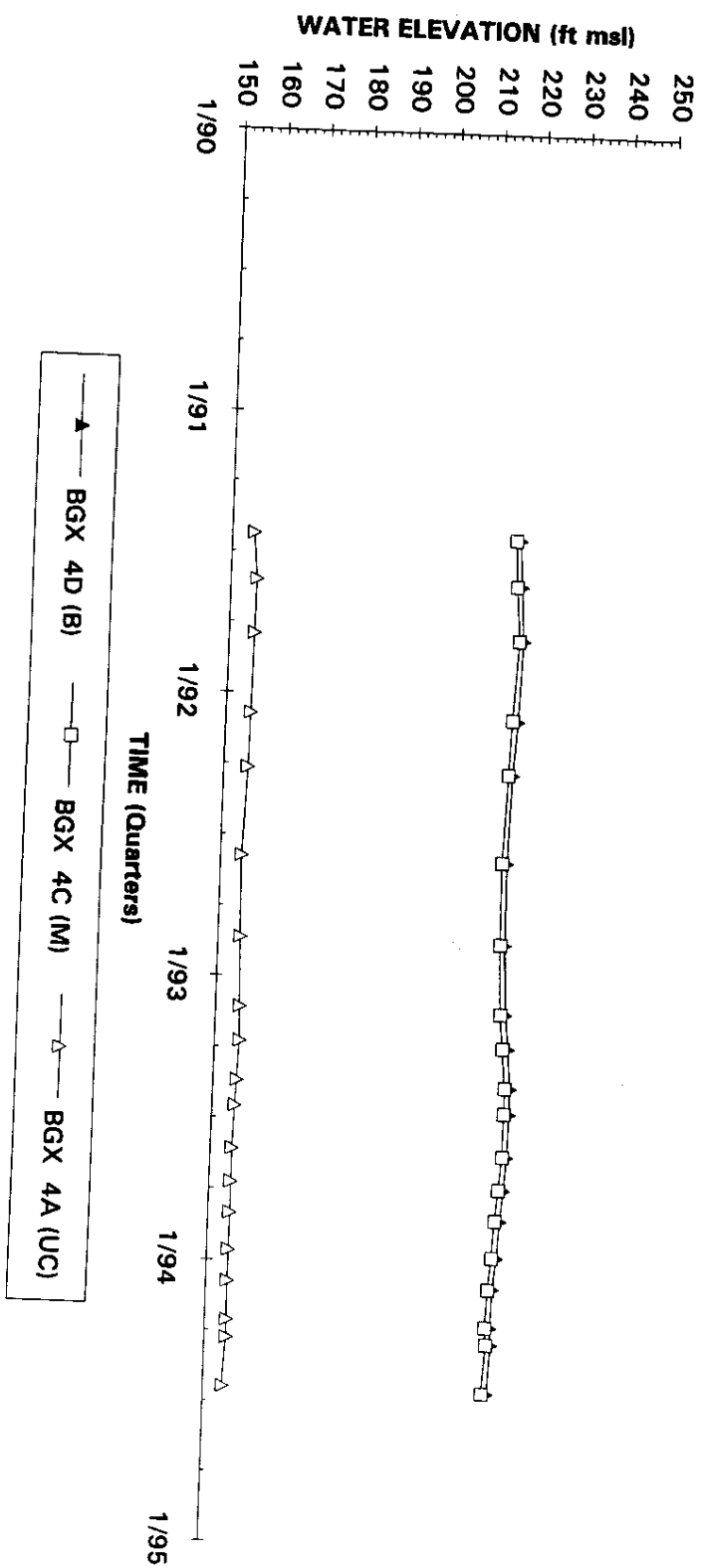


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MW/MF

Second Quarter 1994

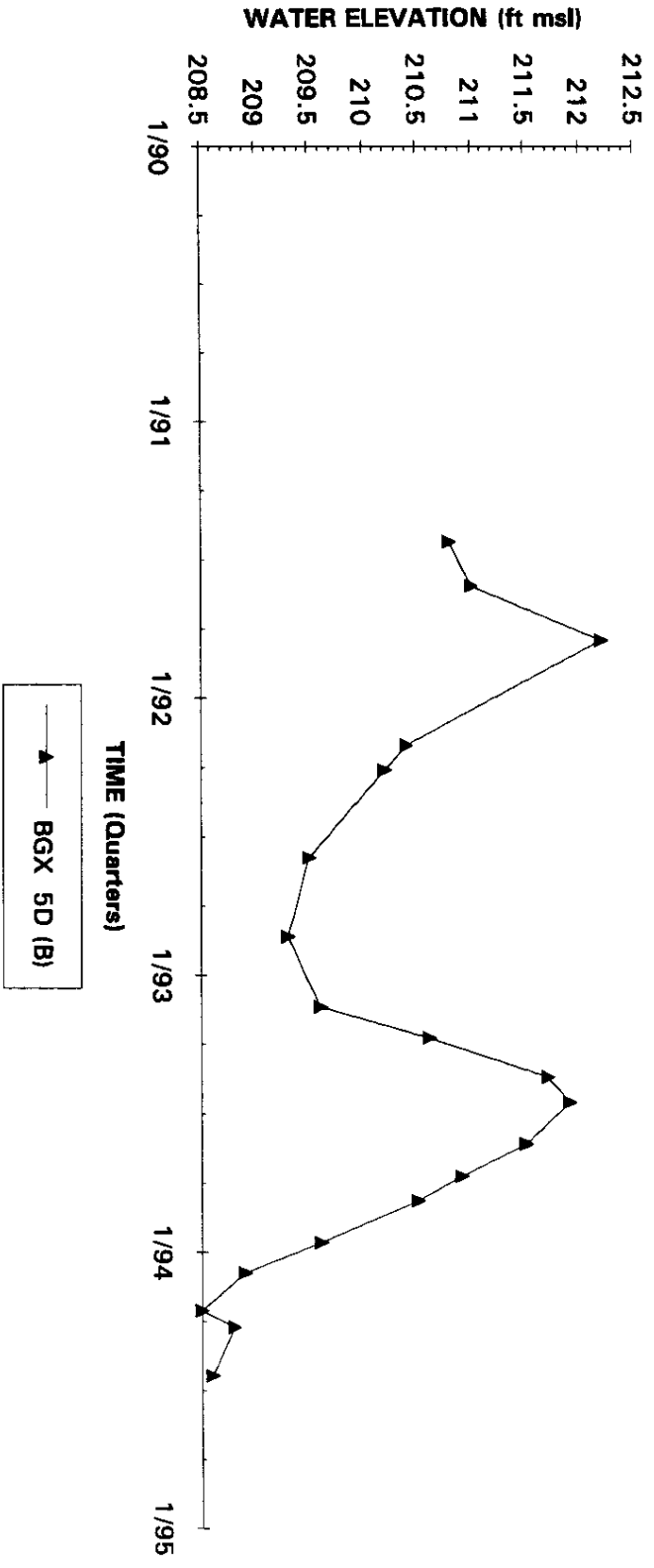
Hydrograph Well Cluster BGX 4



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

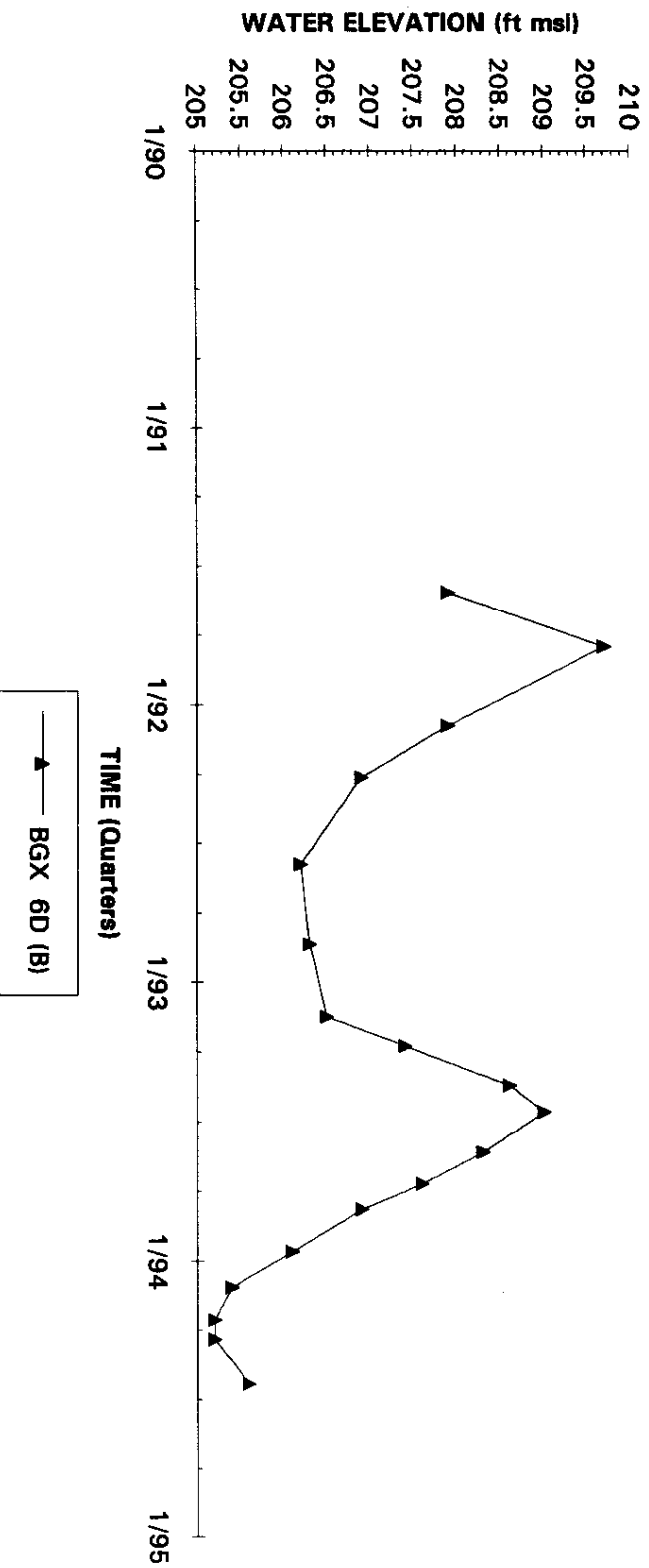
MWMP

Hydrograph Well BGX 5D



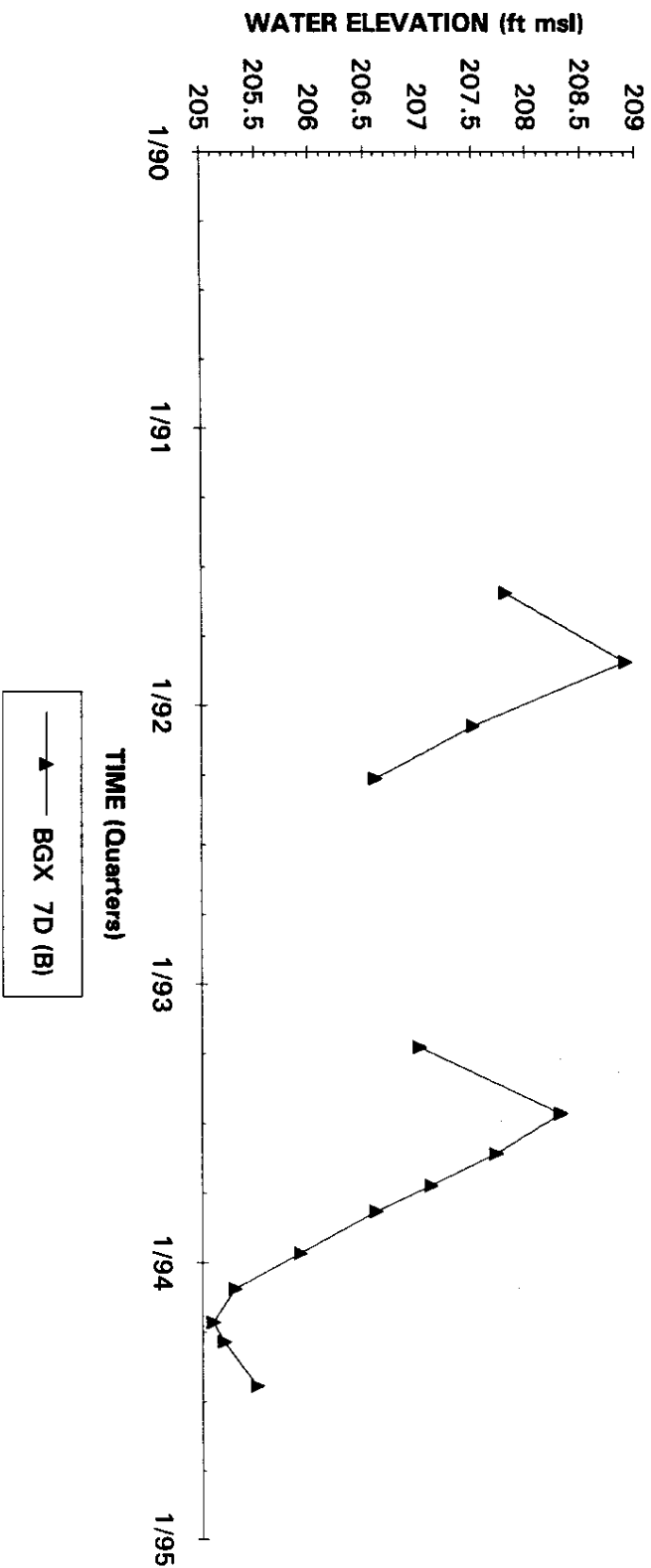
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 6D



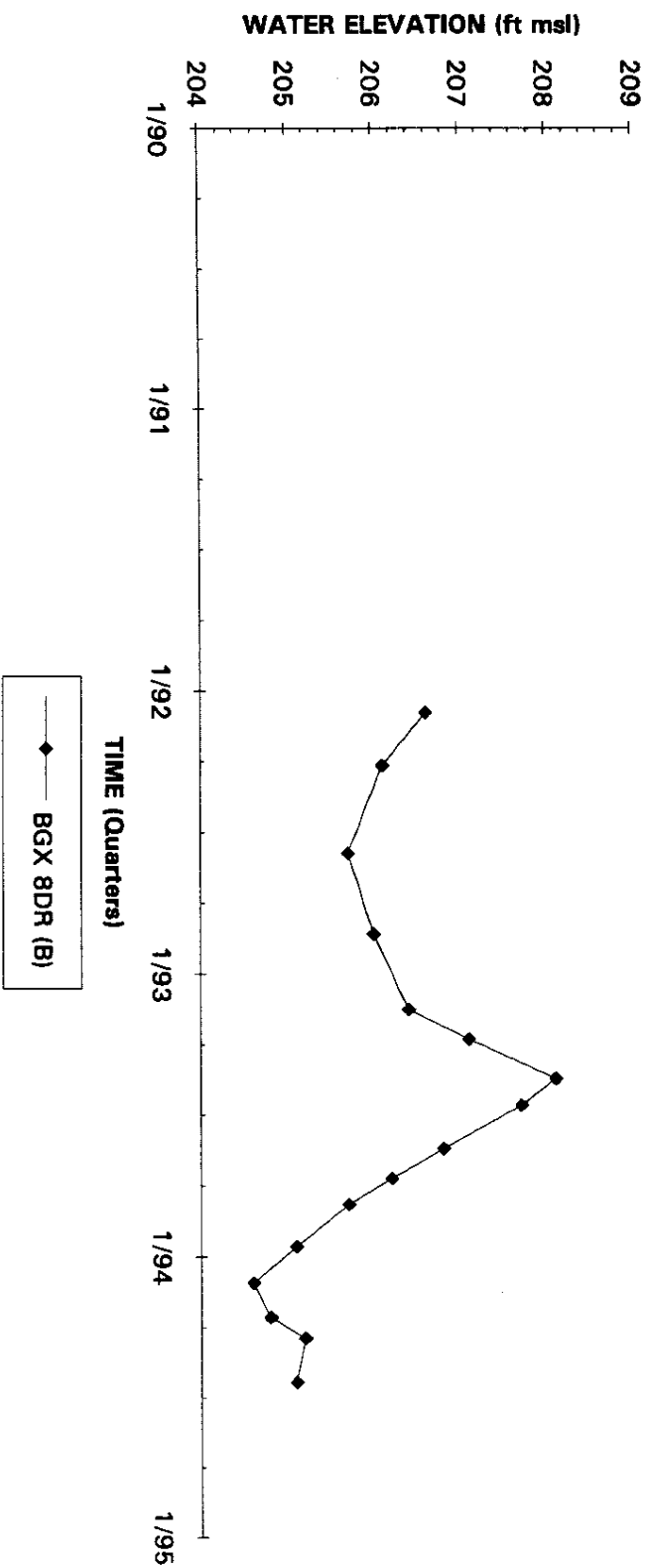
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 7D



Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 8

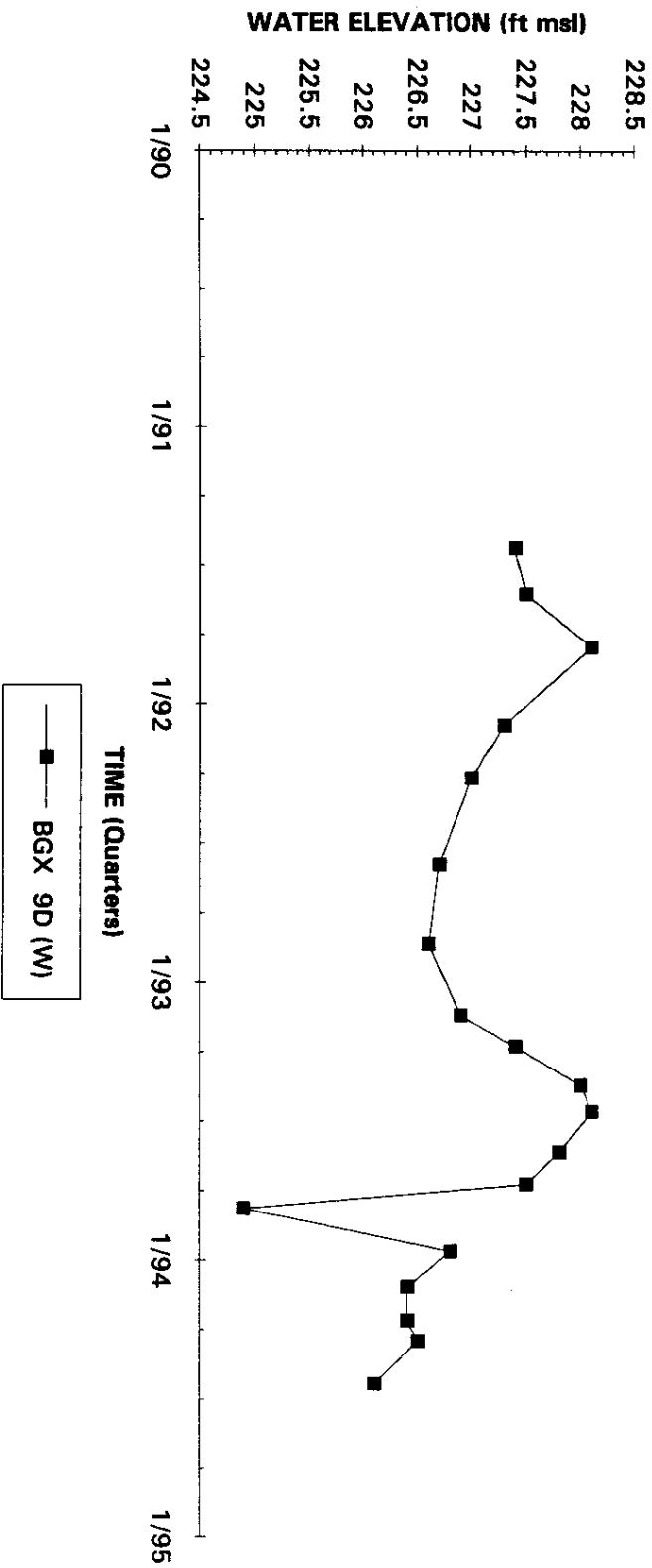


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MMW/F

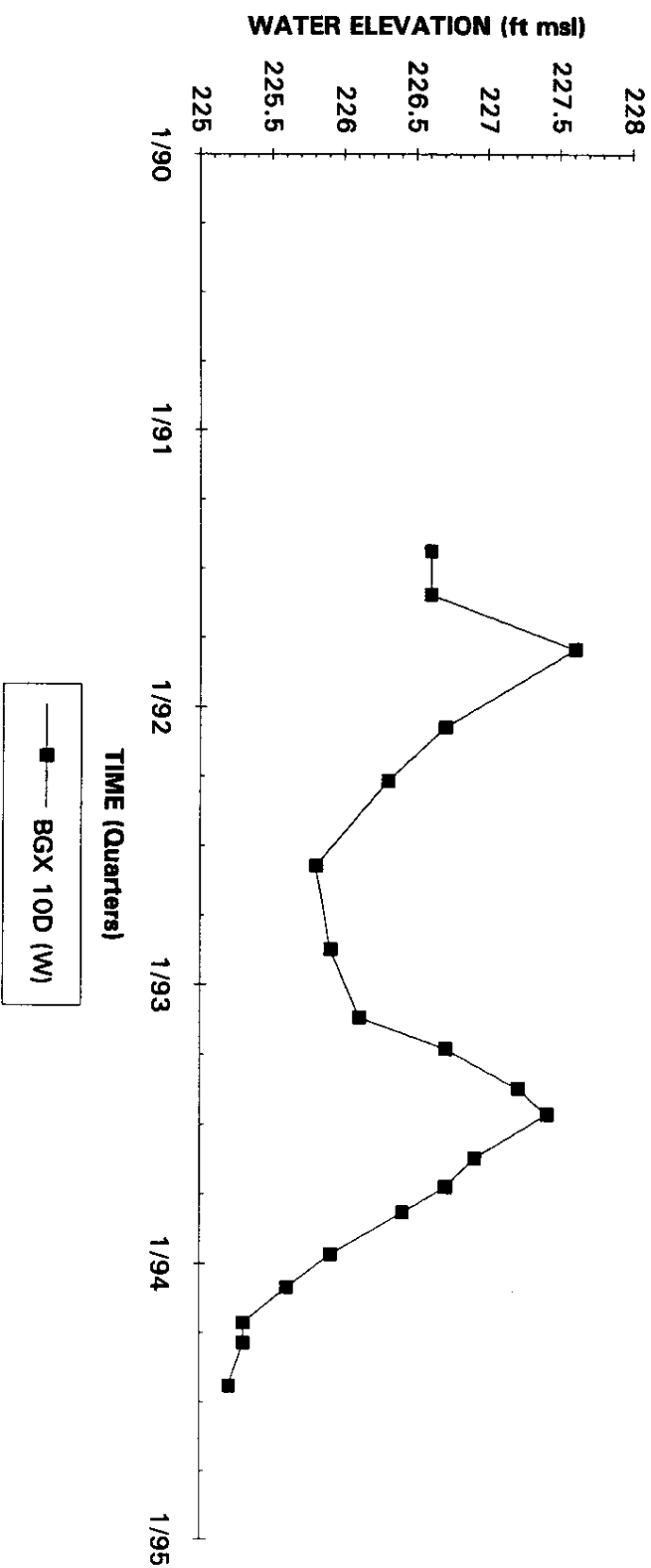
Second Quarter 1994

Hydrograph Well BGX 9D



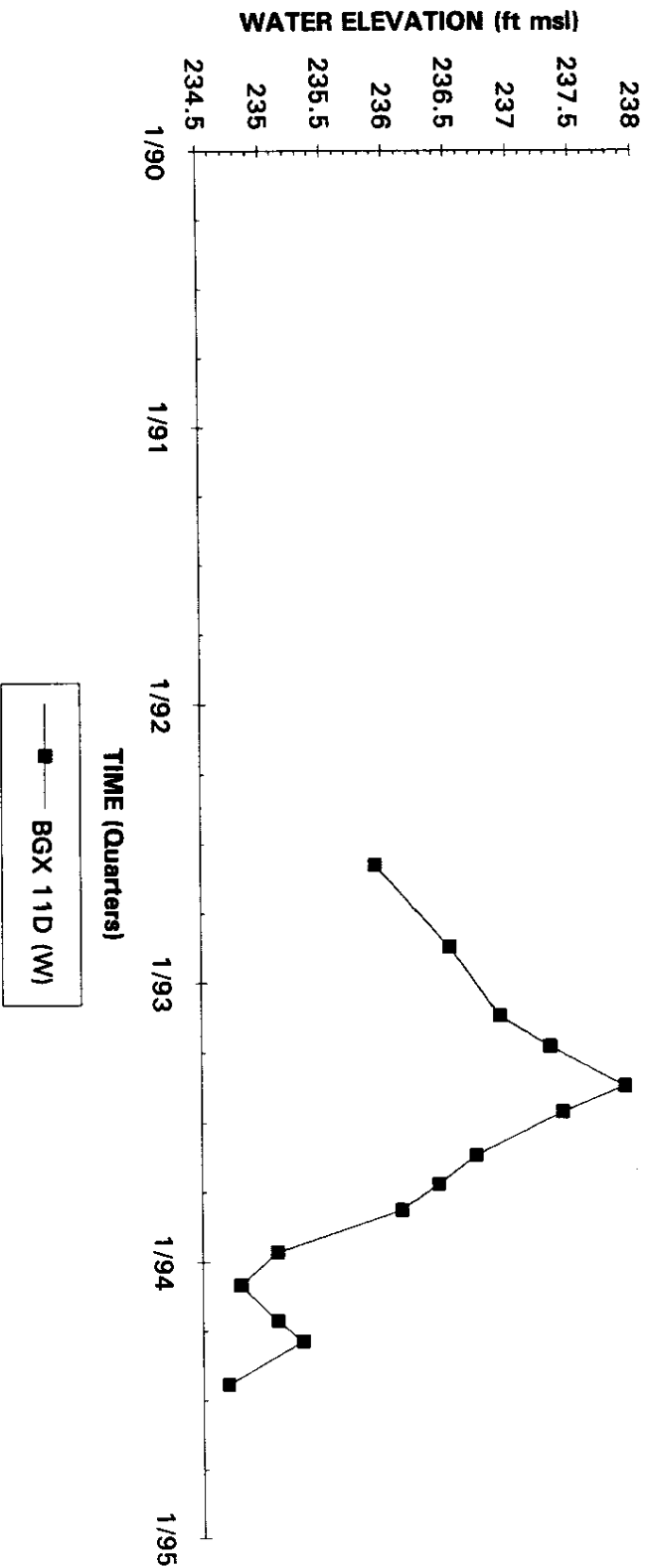
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 10D



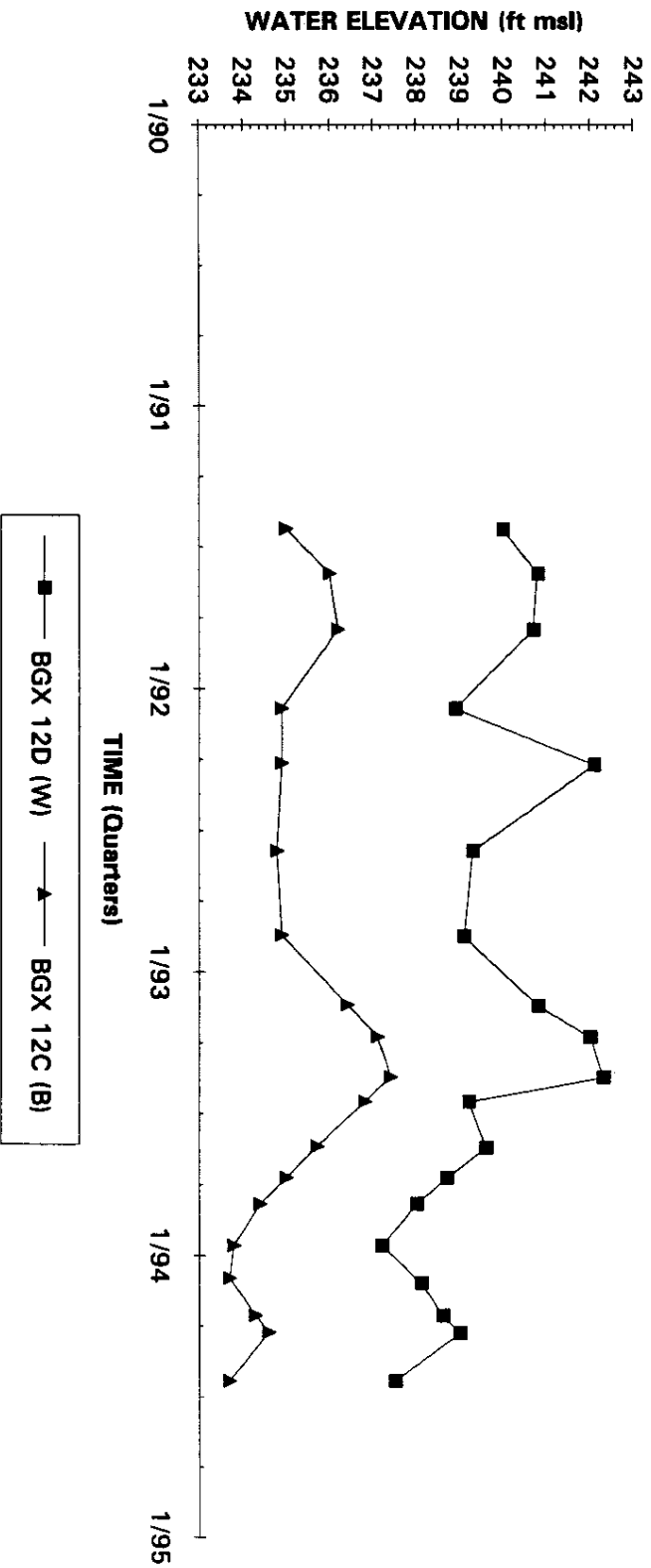
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 11D



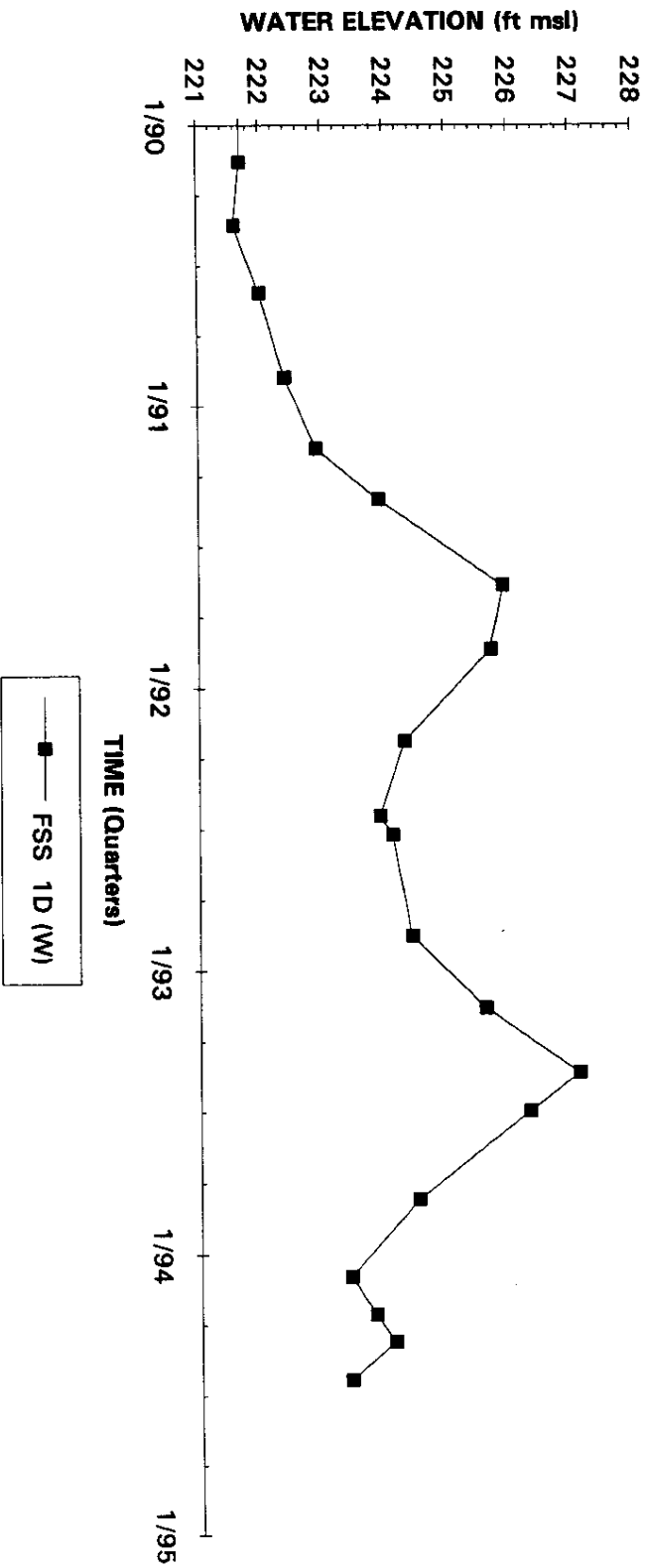
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 12



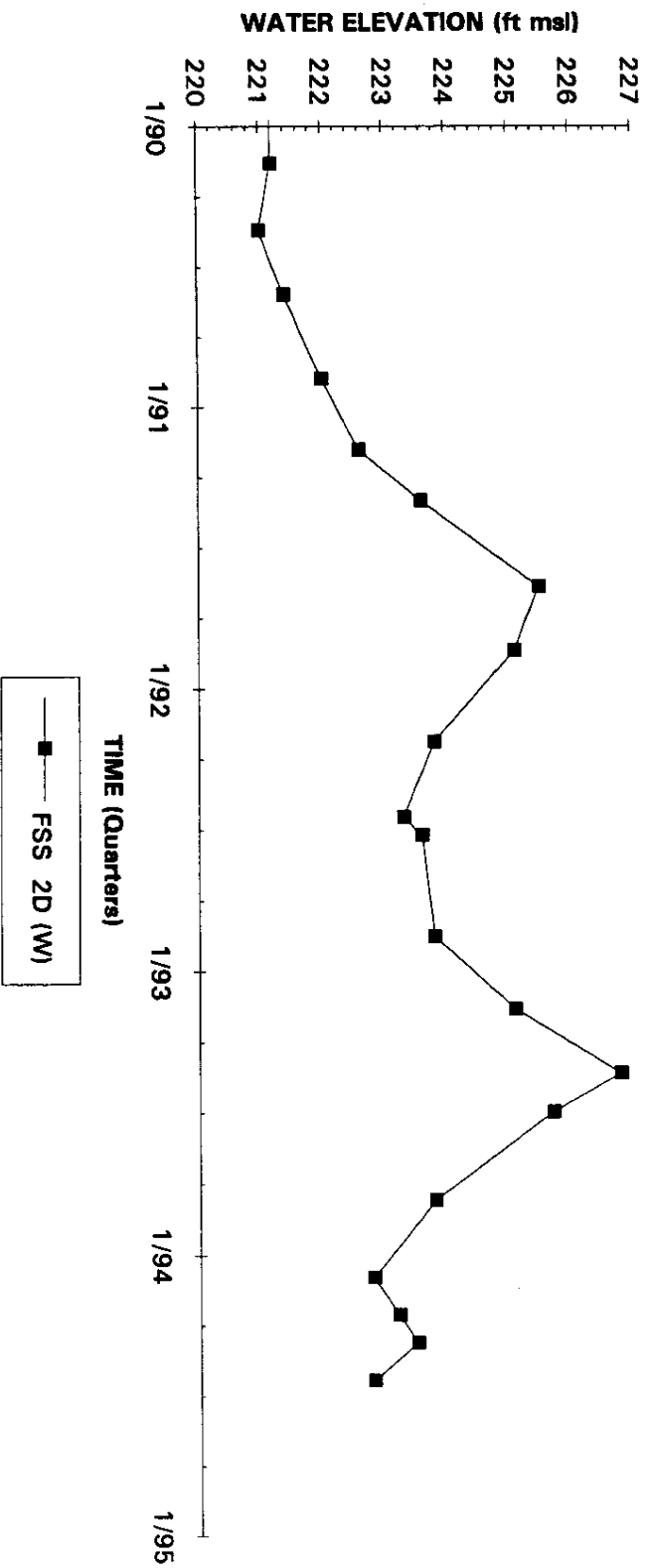
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 1D



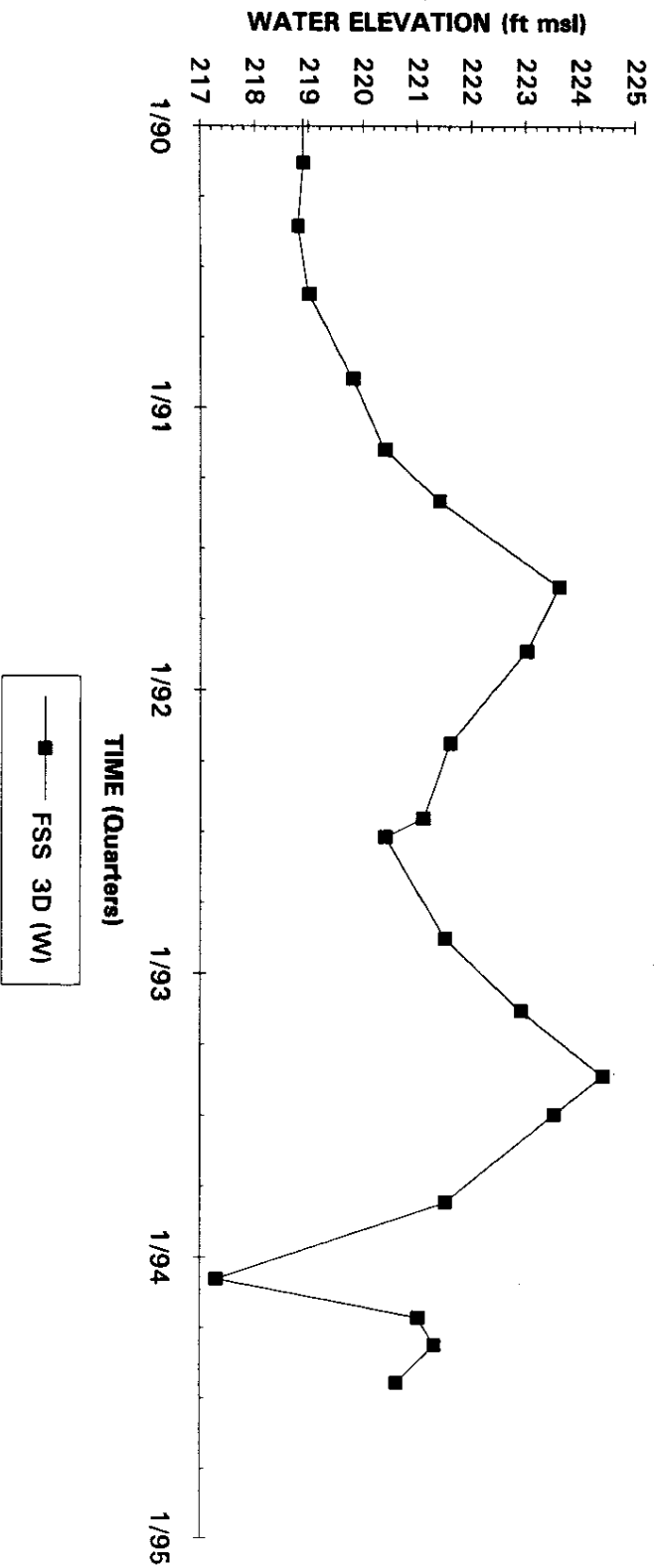
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 2D



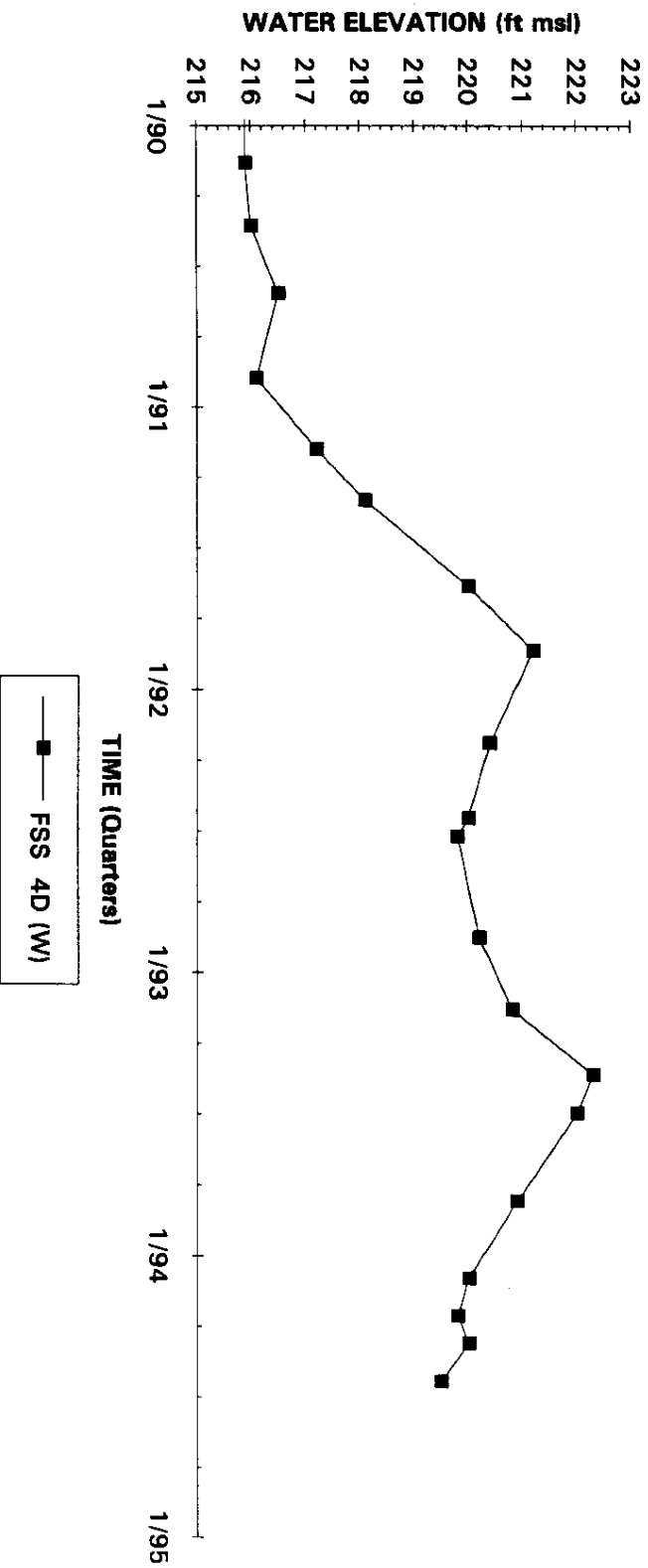
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 3D



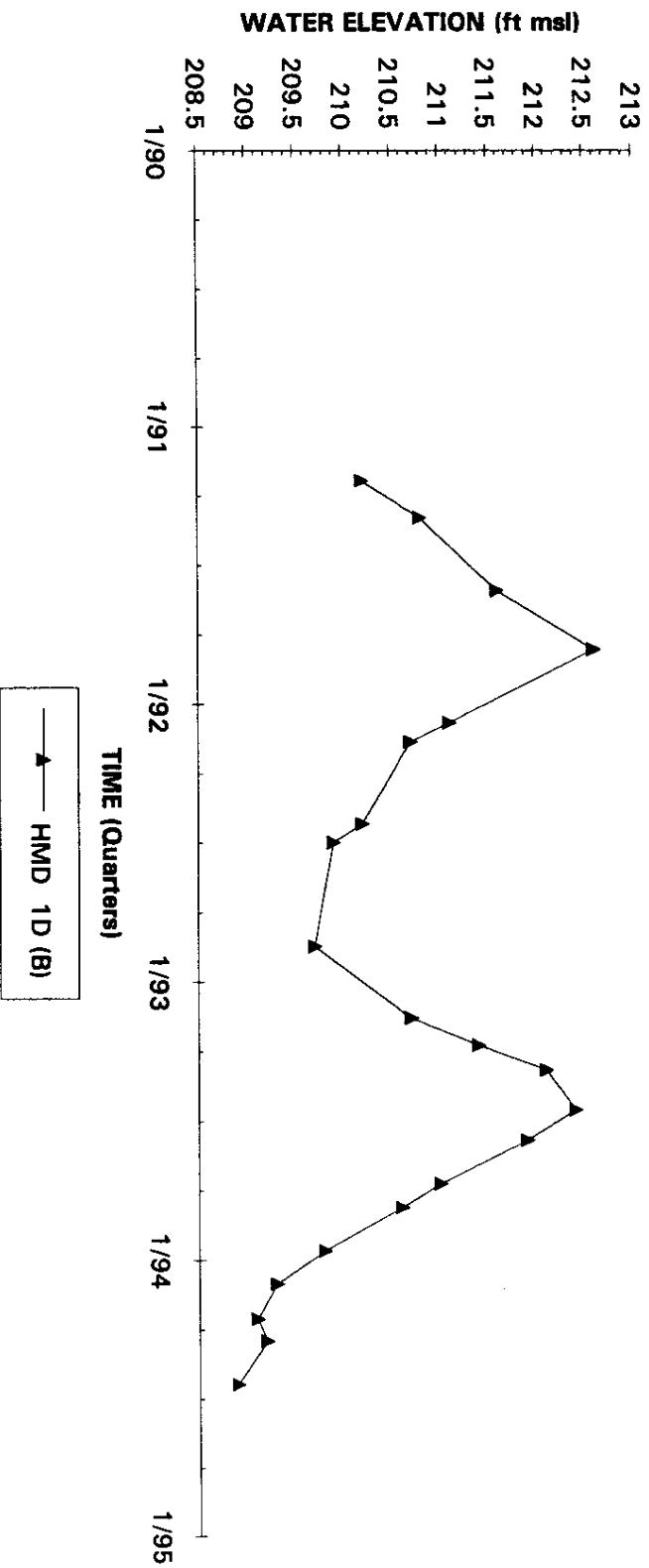
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 4D



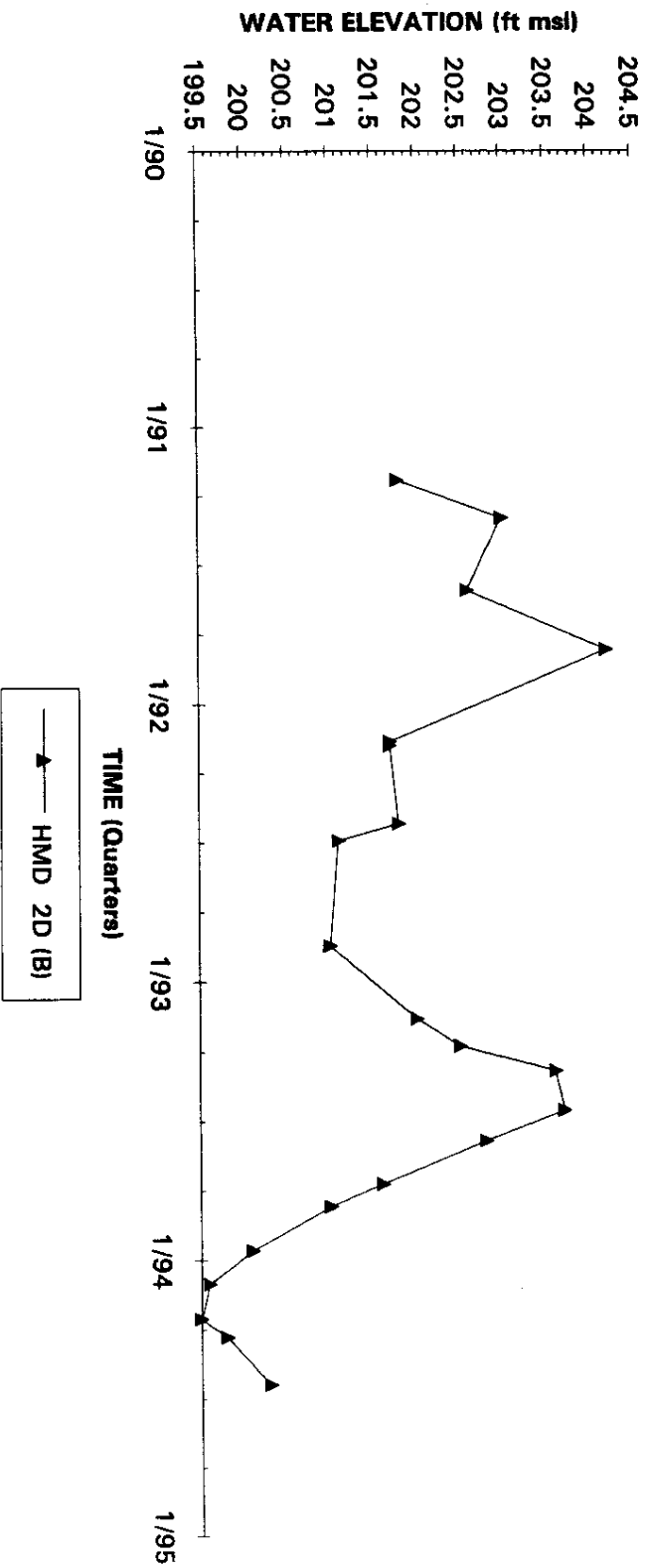
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 1D



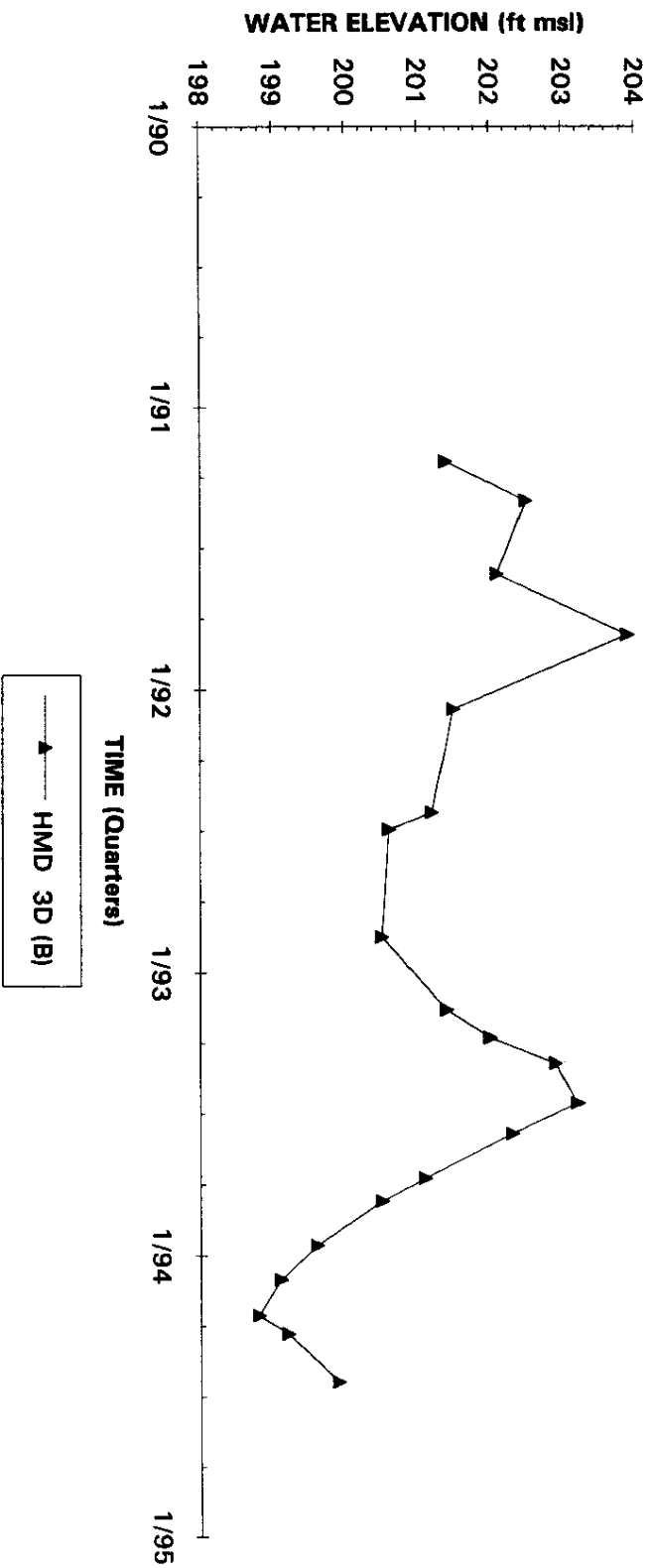
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 2D



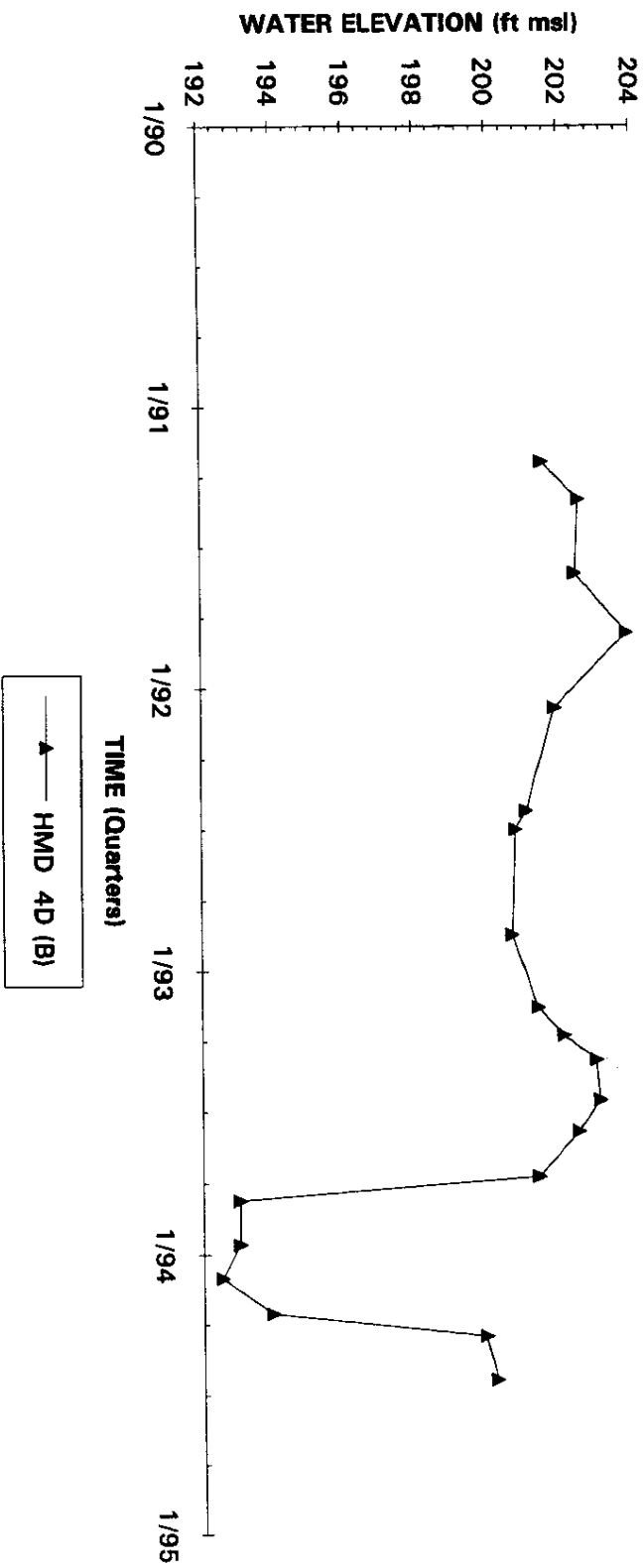
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 3D



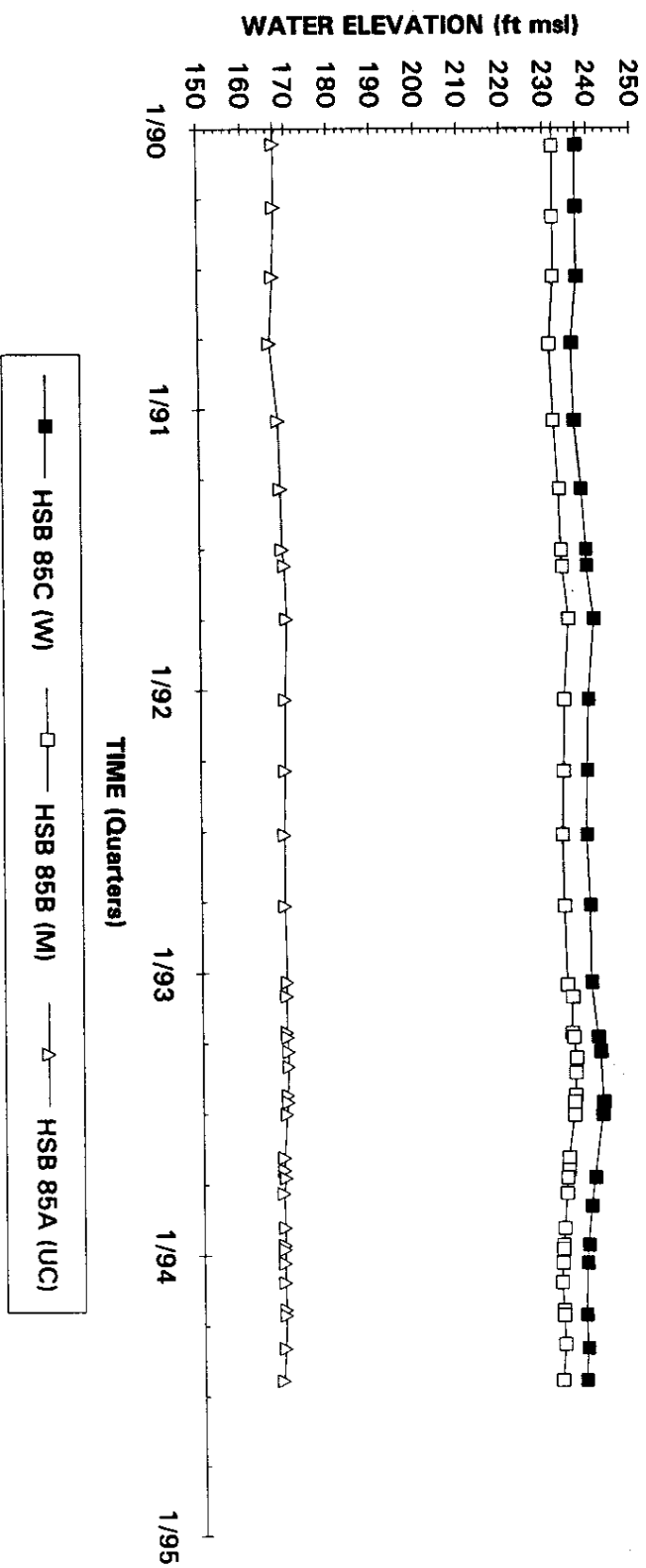
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 4D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster HSB 85



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)