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# MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

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THIRD QUARTER 1994

Publication Date: December 1994

Authorized Derivative Classifier  
and Reviewing Official:

*Joseph P. Konefiter, Engineer 12/21/94*

UNCLASSIFIED

Does Not Contain Unclassified  
Controlled Nuclear Information

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Westinghouse Savannah River Company  
Savannah River Site  
Aiken, SC 29808

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## **Key Words**

**BGO wells  
FSS wells  
tetrachloroethylene  
trichloroethylene  
tritium**

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**Westinghouse Savannah River Company  
Savannah River Site  
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*Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-89SR18035*

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## Abstract

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During third quarter 1994, nine 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, dichloromethane, gross alpha, lead, mercury, and tetrachloroethylene also exceeded final Primary Drinking Water Standards in one or more wells. Elevated constituents were found in numerous Aquifer Zone IIB<sub>2</sub> (Water Table) and Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) wells. Elevated constituents were found in one Aquifer Unit IIA (Congaree) well.

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

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## Executive Summary

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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, herbicides/pesticides, indicator parameters, radionuclides, volatile organic compounds, and other constituents.

During third quarter 1994, more than half of the downgradient wells at the MWMF exceeded final Primary Drinking Water Standards (PDWS). These elevated constituents included chloroethene (vinyl chloride), 1,1-dichloroethylene, dichloromethane, gross alpha, lead, mercury, tetrachloroethylene, trichloroethylene, and tritium. Consistent with historical trends, elevated constituent levels were found primarily in Aquifer Zone IIB<sub>2</sub> (Water Table) and Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean). One well in Aquifer Unit IIA (Congaree) contained elevated constituents.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents during third quarter 1994. Sixty-four (51%) of the 125 monitoring wells contained elevated tritium activities. Trichloroethylene concentrations exceeded the final PDWS in 22 (18%) wells. Chloroethene, 1,1-dichloroethylene, and tetrachloroethylene, elevated in one or more wells during third quarter 1994, also occurred in elevated levels during second quarter 1994. These constituents generally were elevated in the same wells during both quarters. Gross alpha, which was elevated in only one well during second quarter 1994, was elevated again during third quarter. Mercury, which was elevated during first quarter 1994, was elevated again in one well. Dichloromethane was elevated in two wells for the first time in several quarters.

Groundwater flow directions and rates in Aquifer Zone IIB<sub>2</sub> (Water Table), Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and Aquifer Unit IIA (Congaree) were generally similar to those of previous quarters.

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# Introduction

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## 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 included 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 ground-water 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 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, and 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 IIB<sub>2</sub> (Water Table), which is underlain by Confining Zone IIB<sub>1</sub>–IIB<sub>2</sub> (Tan Clay); the semi-confined Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean); and the semi-confined Aquifer Unit IIA (Congaree), which is separated from the overlying Aquifer Zone IIB<sub>1</sub> 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

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### 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 third quarter 1994, groundwater samples from the MWMF were analyzed for selected heavy metals, herbicides/pesticides, indicator parameters, 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* standards, *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 shipping time to the analytical laboratory for pH analyses exceeds both the SCDHEC holding time (the time between sample collection and analysis) of 15 minutes and the prescribed analytical method holding time, laboratory pH measurements always exceed the holding time.

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 IIB<sub>2</sub> (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 IIB<sub>1</sub> (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. During 1994, 23 groundwater monitoring wells were or are being installed in and around the Burial Ground Complex as part of Phases 1A and 2A of the Burial Ground Complex Field Investigation Plan (WSRC, 1993a) (Table 1). Well clusters BGO 21, 51, 52, and 53 were installed between the Old Burial Ground and the MWMF/LLRWDF to monitor the effect of the groundwater divide on contaminant migration horizontally and vertically between the facilities. Well clusters BGO 3 and 39 were installed upgradient of the Burial Ground Complex to monitor background groundwater quality.

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 IIB<sub>2</sub> (Water Table) are BGO 1D and 2D and HSB 85C; HSB 85B is the background well for Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean); and HSB 85A is the background well for Aquifer Unit IIA (Congaree).

Table D-3 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 third quarter 1994 and provides statements that describe unusual sampling events. Unusual sampling events (with applicable sampling codes in parentheses) occurred as follows.

- Wells that went dry during purging (X):

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, 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 went dry during sampling (I):

BGO 40D

**Table 1. 1994 Groundwater Monitoring Well Installations at the Burial Ground Complex**

Well	Screen Zone	Status	First Sampled
BGO 3A	L. Congaree (IIA)	completed	1Q95
BGO 3C	Barnwell (IIB <sub>1</sub> )	completed	1Q95
BGO 20A		not installed	
BGO 20AA	U. Congaree (IIA)	currently being installed	
BGO 20B		not drilled	
BGO 20C		not drilled	
BGO 39A	L. Congaree (IIA)	completed	1Q95
BGO 39C	Barnwell (IIB <sub>1</sub> )	completed	1Q95
BGO 51A	L. Congaree (IIA)	completed	1Q95
BGO 51AA	U. Congaree (IIA)	completed	1Q95
BGO 51B	McBean (IIB <sub>1</sub> )	completed	1Q95
BGO 51C	Barnwell (IIB <sub>1</sub> )	completed	1Q95
BGO 51D	Water Table (IIB <sub>2</sub> )	completed	1Q95
BGO 52A	L. Congaree (IIA)	installed <sup>a</sup>	
BGO 52AA	U. Congaree (IIA)	installed <sup>a</sup>	
BGO 52B	McBean (IIB <sub>1</sub> )	installed <sup>a</sup>	
BGO 52C	Barnwell (IIB <sub>1</sub> )	installed <sup>a</sup>	
BGO 52D	Water Table (IIB <sub>2</sub> )	installed <sup>a</sup>	
BGO 53A	L. Congaree (IIA)	installed <sup>a</sup>	
BGO 53AA	U. Congaree (IIA)	installed <sup>a</sup>	
BGO 53B	McBean (IIB <sub>1</sub> )	installed <sup>a</sup>	
BGO 53C	Barnwell (IIB <sub>1</sub> )	installed <sup>a</sup>	
BGO 53D	Water Table (IIB <sub>2</sub> )	installed <sup>a</sup>	

<sup>a</sup> not ready for sampling.

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

**BGO 4D**

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

**BGO 46B**

- 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 purged water that exceeds action levels. SRS presently is establishing a revised set of action levels. 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 (Table 2).

**Table 2. Wells in the Purge Water Containment Program**

Well	Last Sampled	Constituent Exceeding Limit	Level at Last Sample
BGO 26A	3Q91	pH	11.6 pH units <sup>a</sup>
BGO 37C	1Q91	trichloroethylene	690 µg/L
BGO 41A	2Q93	pH	12.3 pH units
BGO 43A	2Q93	pH	12.6 pH units
BGX 1A	1Q93	pH	12.4 pH units

<sup>a</sup> Field measurement.

## Analytical Results Exceeding Standards

Results for analytes that exceeded the final PDWS during third quarter 1994 are summarized in Table D-1 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 IIB<sub>2</sub> (Water Table): 44 of the 54 wells sampled contained elevated constituents during third quarter 1994.

- Tritium was elevated in 38 wells: **BGO** 2D, 3D, 5D, 6D, 7D, 9D, 10DR, 11D, 15D, 16D, 19D, 20D, 21D, 22DR, 23D, 27D, 28D (maximum activity at 2.0E+05 pCi/mL), 30D, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 44D, 45D, 46D, 47D, 48D, 49D, and 50D; **BGX** 1D and 11D; and **FSS** 2D and 3D.
- Trichloroethylene was elevated in 13 wells: **BGO** 6D, 7D (maximum concentration at 193 µg/L), 12D, 14DR, 15D, 16D, 26D, 28D, 30D, 46D, 47D, 48D, and 50D.
- Tetrachloroethylene was elevated in 6 wells: **BGO** 6D, 7D, 15D, 32D, 46D, and 48D (maximum concentration at 74 µg/L).
- Lead was elevated in 6 wells: **BGO** 5D, 26D, and 40D; **BGX** 10D; and **FSS** 1D and 3D (maximum concentration at 492 µg/L).
- Chloroethene (vinyl chloride) was elevated in 3 wells: **BGO** 28D (maximum concentration at 85 µg/L), 30D, and 46D.
- 1,1-Dichloroethylene was elevated in 2 wells: **BGO** 6D and 30D (maximum concentration at 8.1 µg/L).



- Gross alpha was elevated in well **BGO 32D** at  $2.1\text{E}+01$  pCi/L.
- Dichloromethane was elevated in well **BGO 9D** at  $8.8\text{ }\mu\text{g/L}$ .

Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean): 28 of the 44 wells sampled contained elevated constituents during third quarter 1994.

- Tritium was elevated in 26 wells: **BGO 5C, 6B, 6C, 10B, 13DR, 14CR, 27C, 29C, 30C, 31C, 33C** (maximum activity at  $1.0\text{E}+04$  pCi/mL), **35C, 44B, 44C, 45C, 46C, 48C, 49C,** and **50C; BGX 1C, 2D, 3D, 5D, 7D, and 8DR; and HMD 1D.**
- Trichloroethylene was elevated in 9 wells: **BGO 12CR** (maximum concentration at  $85\text{ }\mu\text{g/L}$ ), **14CR, 27C, 30C, 33C, 42C, 46C,** and **50C** and **BGX 2D.**
- Lead was elevated in 2 wells: **BGO 13DR** and **HMD 1D** (maximum concentration at  $63\text{ }\mu\text{g/L}$ ).
- Mercury was elevated in well **BGO 33C** at  $3.4\text{ }\mu\text{g/L}$ .

Aquifer Unit IIA (Congaree): 1 of the 20 wells sampled contained elevated constituents during third quarter 1994.

- Dichloromethane was elevated in well **BGO 10AA** at  $6.8\text{ }\mu\text{g/L}$ .
- Tritium was elevated in well **BGO 10AA** at  $2.3\text{E}+01$  pCi/mL.

Results for analytes that exceeded other SRS flagging criteria during third quarter 1994 are summarized in Table D-2.

Table D-3 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 third quarter 1994. Constituent results in Table D-3 that appear to equal the final PDWS but are not marked in the *ST* 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, trichloroethylene, and tritium in Aquifer Zone IIB<sub>2</sub> (Water Table), Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and Aquifer Unit IIA (Congaree) wells during third quarter 1994 appear in Figures 8 through 10 and 17 through 22 (Appendix C). Postings of pH and specific conductance results appear in Figures 11 through 16.

## Trichloroethylene and Tritium Time-Trend Data

Time series plots from first quarter 1990 through third quarter 1994 for wells containing trichloroethylene and tritium are presented in Appendix F. A statistical analysis was performed as part of the 1992 MWMF RCRA Part B post-closure care permit application renewal. Trichloroethylene and tritium were identified among the constituents of concern. Statements concerning relative levels of these 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, 14A, 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 IIB<sub>2</sub> (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, 10AR, 12AR, 12CR, 16A, 18A, 25A, 43AA, 44A, 44AA, 45A, 47A, 49A, and 50A**; **BGX 4A and 12C**; and **HSB 85B** 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 85C**.
- Tritium activities in wells **BGO 2D, 5D, 8D, 12D, 13D, 14AR, 17DR, 18D, 20D, 22D, 24D, 26D, 29A, 29D, 33D, 35C, 40D, 42C, 43CR, 43D, and 45B**; **BGX 2B, 4C, 6D, 9D, 10D, and 11D**; **FSS 1D and 4D**; and **HMD 2D, 3D, and 4D** have been consistently near or below the final PDWS.
- Wells **BGO 3D, 5C, 6C, 6D, 7D, 10DR, 11D, 14CR, 15D, 16D, 19D, 21D, 22DR, 23D, 27C, 27D, 28D, 29C, 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 IIB<sub>2</sub> (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**, **10B**, **10C**, **13DR**, and **46B** and **BGX 4D**, **5D**, and **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** and **FSS 4D** 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 Table 3.

**Table 3. Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the MWMF**

Unit	4Q93	1Q94	2Q94	3Q94
Aquifer Zone IIB <sub>2</sub> (Water Table)	231.13	230.70 <sup>a</sup>	230.48	230.34
Aquifer Zone IIB <sub>1</sub> (Barnwell/McBean)	219.14	218.15	218.79	218.46
Aquifer Unit IIA (Congaree)	160.29	159.45	159.85	158.67

<sup>a</sup> Average includes water elevations for wells **FSS 1D**, **2D**, and **3D** for the first time.

During third quarter 1994, the water level in Aquifer Zone IIB<sub>2</sub> (Water Table) decreased an average of 0.14 ft compared to second quarter 1994, the water level in Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) decreased an average of 0.33 ft, and the water level in Aquifer Unit IIA (Congaree) decreased an average of 1.18 ft.

A consistent vertical head relationship exists among the hydrostratigraphic units monitored at the MWMF. Flow potential is downward from Aquifer Zone IIB<sub>2</sub> (Water Table) to Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) and downward from Aquifer Zone IIB<sub>1</sub> (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 IIB<sub>2</sub> (Water Table) and Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) diverges beneath the Burial Ground Complex. Historically the groundwater in Aquifer Zone IIB<sub>2</sub> (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 IIB<sub>1</sub> (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 IIB<sub>1</sub>-IIB<sub>2</sub> (Tan Clay) in Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean). The historical

horizontal groundwater flow direction in Aquifer Unit IIA (Congaree) has been consistently north-west toward Upper Three Runs Creek.

Using UTM coordinates, the third quarter 1994 flow directions in Aquifer Zone IIB<sub>2</sub> (Water Table) were to the southwest (flow path A) and north (flow path B). Flow directions in Zone IIB<sub>1</sub> (Barnwell/McBean) were to the southwest (flow path A) and northwest (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 Table 4.

**Table 4. Estimated Horizontal Groundwater Flow Rates (ft/year) in the Hydrostratigraphic Units beneath the MWMF**

Unit	4Q93	1Q94	2Q94	3Q94
Aquifer Zone IIB <sub>2</sub> (Water Table)	17-35	20-31	18-28	19-35
Aquifer Zone IIB <sub>1</sub> (Barnwell/McBean)	8.8-16	8.8-16	8.8-15	5.1-19
Aquifer Unit IIA (Congaree)	180	150	220	230

Horizontal flow rate calculations provide estimates of the transport rate of constituents originating from the MWMF. Flow rates in Aquifer Zone IIB<sub>2</sub> (Water Table) and Aquifer Zone IIB<sub>1</sub> (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, 1.5 ft/day, and 45 ft/day are used for Aquifer Zone IIB<sub>2</sub> (Water Table), Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), and Aquifer Unit IIA (Congaree), respectively (WSRC, 1992). An effective porosity value of 20 percent is used for the two upper units, and an effective porosity value of 25 percent 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 IIB<sub>2</sub> (Water Table) beneath the MWMF during third quarter 1994 are as follows (Figure 23, Appendix C):

- Flow path A (toward Fourmile Branch)

$$\frac{3.03}{0.20} \times \frac{8}{2,300} \approx 0.053 \text{ ft/day}$$

$$0.053 \text{ ft/day} \times 365 \text{ days} \approx 19 \text{ ft/year}$$

- Flow path B (toward Upper Three Runs Creek)

$$\frac{3.03}{0.20} \times \frac{10}{1,600} \approx 0.095 \text{ ft/day}$$

$$0.095 \text{ ft/day} \times 365 \text{ days} \approx 35 \text{ ft/year}$$

The flow rate estimates for groundwater in Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) beneath the MWMF are as follows (Figure 24, Appendix C):

- Flow path A (toward Fourmile Branch)

$$\frac{1.5}{0.20} \times \frac{6}{3,300} \approx 0.014 \text{ ft/day}$$

$$0.014 \text{ ft/day} \times 365 \text{ days} \approx 5.1 \text{ ft/year}$$

- Flow path B (toward Upper Three Runs Creek)

$$\frac{1.5}{0.20} \times \frac{12}{1,750} \approx 0.051 \text{ ft/day}$$

$$0.051 \text{ ft/day} \times 365 \text{ days} \approx 19 \text{ ft/year}$$

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

$$\frac{45}{0.25} \times \frac{5}{1,400} \approx 0.64 \text{ ft/day}$$

$$0.64 \text{ ft/day} \times 365 \text{ days} \approx 230 \text{ ft/year}$$

### Upgradient Versus Downgradient Results

Wells BGO 1D and 2D and HSB 85C are upgradient wells in Aquifer Zone IIB<sub>2</sub> (Water Table); wells HSB 85A and 85B are upgradient wells in Aquifer Unit IIA (Congaree) and Aquifer Zone IIB<sub>1</sub> (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 third 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, dichloromethane, gross alpha, lead, mercury, tetrachloroethylene, trichloroethylene, and tritium.

## **Quality Control Results**

Wells BGO 10AA, 27C, and 49A and BGX 12C were selected to receive blind replicate analyses during third quarter 1994. Blind replicate analyses, representing approximately 5 percent 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 D-3.

**The Savannah River Site's Groundwater Monitoring Program, Third Quarter 1994 (U)** (EPD/EMS, 1995, in preparation) provides a full evaluation of data quality control and an explanation of analytical results for the quarter.

## Conclusions

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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 third quarter 1994, chloroethene, 1,1-dichloroethylene, dichloromethane, gross alpha, lead, mercury, tetrachloroethylene, trichloroethylene, and tritium exceeded their final PDWS in one or more wells at the MWMF. All of these constituents, except dichloromethane and mercury, also occurred in elevated levels during second quarter 1994. Elevated lead, which occurred in only one well during second quarter, occurred in 8 wells during third quarter.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. Sixty-four (51%) of the 125 monitoring wells contained elevated tritium activities, with maximum activity ( $2.0\text{E}+05$  pCi/mL) occurring in well BGO 28D in Aquifer Zone IIB<sub>2</sub> (Water Table). Trichloroethylene concentrations exceeded the final PDWS in 22 (18%) of the wells, with the maximum concentration of 193  $\mu\text{g/L}$  found in well BGO 7D in Aquifer Zone IIB<sub>2</sub> (Water Table).

Elevated constituent levels were found primarily in Aquifer Zone IIB<sub>2</sub> (Water Table) and Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean), consistent with historical data. Past quarters' results for Aquifer Unit IIA (Congaree) 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). During third quarter 1994, dichloromethane and tritium were elevated in well BGO 10AA in Aquifer Unit IIA (Congaree).

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 IIB<sub>2</sub> (Water Table) and Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) diverges beneath the Burial Ground Complex and discharges toward Upper Three Runs Creek or toward Fourmile Branch. During third quarter 1994, flow in these units was to the north toward Upper Three Runs Creek or to the 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 19 to 35 ft/year in Aquifer Zone IIB<sub>2</sub> (Water Table) and from 5.1 to 19 ft/year in Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean); the flow rate estimate in Aquifer Unit IIA (Congaree) was 230 ft/year.

## References Cited

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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

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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.

### 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.

### Second Quarter 1994:

- No errata have been reported.

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# **Appendix A**

## **Final Primary Drinking Water Standards**

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## Final Primary Drinking Water Standards

Analyte	Unit	Level	Status	Source
Alachlor	µg/L	2	Final	EPA, 1993
Aldicarb <sup>a</sup>	µg/L	3	Final	EPA, 1993
Aldicarb sulfone <sup>a</sup>	µg/L	2	Final	EPA, 1993
Aldicarb sulfoxide <sup>a</sup>	µg/L	4	Final	EPA, 1993
Antimony	µg/L	6	Final	EPA, 1993
Arsenic	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
Benzene	µg/L	5	Final	EPA, 1993
Benzo[a]pyrene	µg/L	0.2	Final	EPA, 1993
Beryllium	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
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
Copper	µg/L	1,300	Final	EPA, 1993
Cyanide	µg/L	200	Final	EPA, 1993
Dalapon <sup>a</sup>	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
1,2-Dichloropropane	µg/L	5	Final	EPA, 1993
Di(2-ethylhexyl) adipate <sup>a</sup>	µg/L	400	Final	EPA, 1993
Diquat dibromide <sup>a</sup>	µg/L	20	Final	EPA, 1993
Endothall <sup>a</sup>	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 <sup>a</sup>	µg/L	700	Final	EPA, 1993
Gross alpha <sup>b</sup>	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

Analyte	Unit	Level	Status	Source
Lindane	µg/L	0.2	Final	EPA, 1993
Mercury	µg/L	2	Final	EPA, 1993
Methoxychlor	µg/L	40	Final	EPA, 1993
Nickel	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 <sup>a</sup>	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 <sup>a</sup>	µg/L	500	Final	EPA, 1993
Selenium	µg/L	50	Final	EPA, 1993
Simazine <sup>a</sup>	µg/L	4	Final	EPA, 1993
Strontium-89/90 <sup>c</sup>	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
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
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.

<sup>a</sup> At present, EMS does not perform this analysis because the constituent is not in the current contract.

<sup>b</sup> The standard given is for gross alpha including radium-226 but excluding radon and uranium.

<sup>c</sup> For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

## **References**

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## **Appendix B**

### **Flagging Criteria**

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## 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 Standards (PDWS), the SDWA proposed PDWS, or the SDWA Secondary Drinking Water Standards (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 pH and specific conductance. 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 <sup>a</sup>
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 <sup>b</sup>	µg/L	1.5	3	Final PDWS (EPA, 1993a)
Aldicarb sulfone <sup>b</sup>	µg/L	1	2	Final PDWS (EPA, 1993a)
Aldicarb sulfoxide <sup>b</sup>	µg/L	2	4	Final PDWS (EPA, 1993a)
Aldrin	µg/L	0.25	0.5	EPA Method 8080
Alkalinity (as CaCO <sub>3</sub> )		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 <sup>c</sup>	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-chloroisopropyl) 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
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final PDWS (EPA, 1993a)

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
Carbofuran	µg/L	20	40	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
Carbon disulfide	µg/L	5	10	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Cerium-141 <sup>c</sup>	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 <sup>d</sup>	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
4-Chloro-m-cresol	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)
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 <sup>c</sup>	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 <sup>d</sup>	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 <sup>e</sup>	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 <sup>e</sup>	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 <sup>b</sup>	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
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 (Methylene bromide)	µg/L	5	10	EPA Method 8240
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
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 (Methylene chloride)	µg/L	2.5	5	Final PDWS (EPA, 1993a)
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
Dieldrin	µg/L	2.5	5	EPA Method 8080
Di(2-ethylhexyl) adipate	µg/L	200	400	Final PDWS (EPA, 1993a)
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
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
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
Diquat dibromide <sup>b</sup>	µg/L	10	20	Final PDWS (EPA, 1993a)

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 <sup>b</sup>	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 <sup>b</sup>	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 <sup>c</sup>	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 <sup>c</sup>	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA, 1977)
Iron-59 <sup>c</sup>	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 <sup>c</sup>	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 <sup>c</sup>	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Nickel-63 <sup>c</sup>	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Niobium-95 <sup>c</sup>	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 <sup>b</sup>	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 <sup>b</sup>	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 <sup>e</sup>	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 <sup>c</sup>	pCi/L	3.13E+01	6.26E+01	Proposed PDWS (EPA, 1991)

Analyte	Unit	Flag 1	Flag 2	Source
Plutonium-242 <sup>c</sup>	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	2.62E+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) <sup>f</sup>	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 <sup>c</sup>	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 <sup>b</sup>	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 <sup>e</sup>	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 <sup>c</sup>	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 <sup>d</sup>		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 <sup>e</sup>	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 <sup>c</sup>	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Zirconium/Niobium-95 <sup>c</sup>	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)

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

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

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# **Appendix C**

## **Figures**

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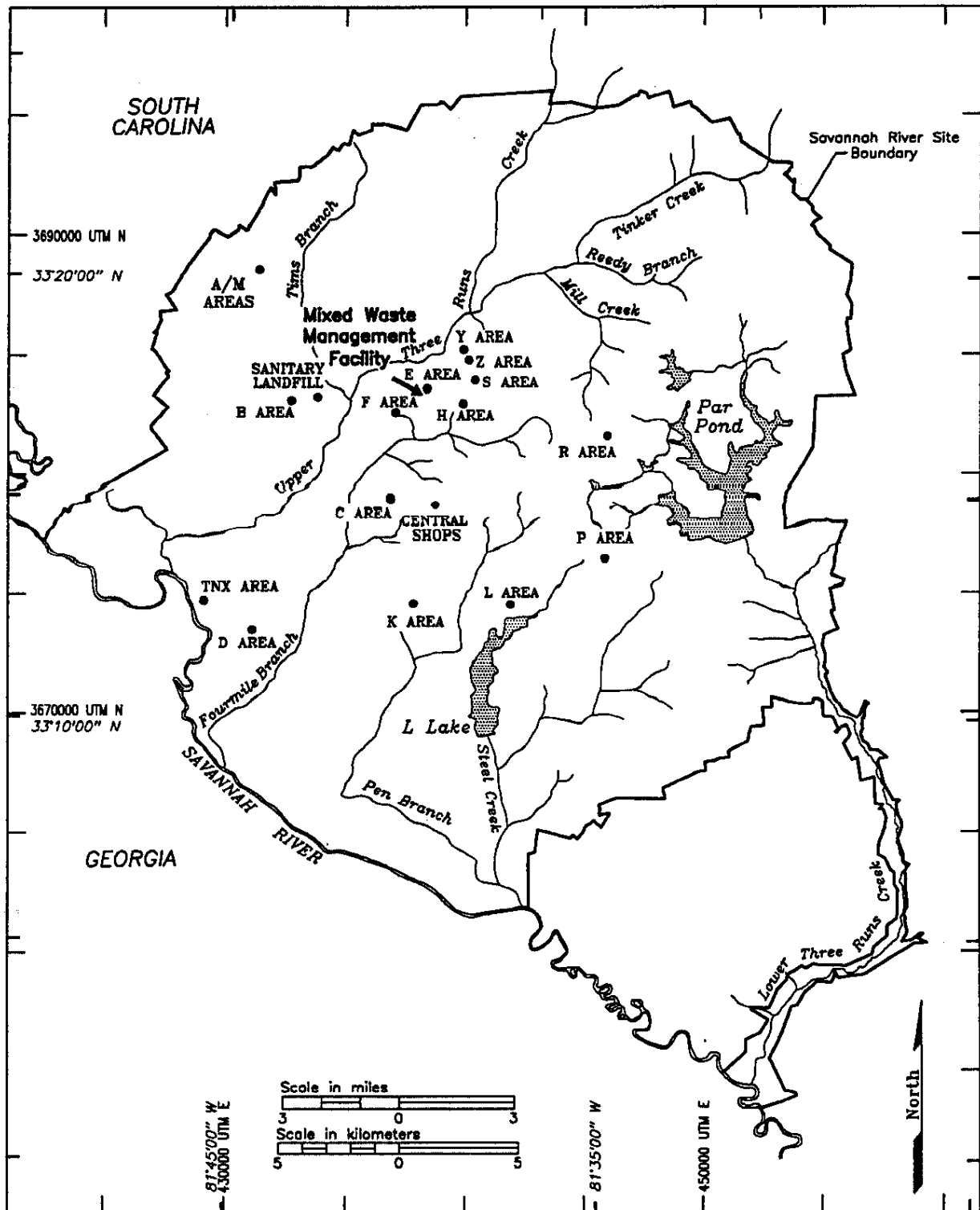


Figure 1. Location of the Mixed Waste Management Facility at the Savannah River Site

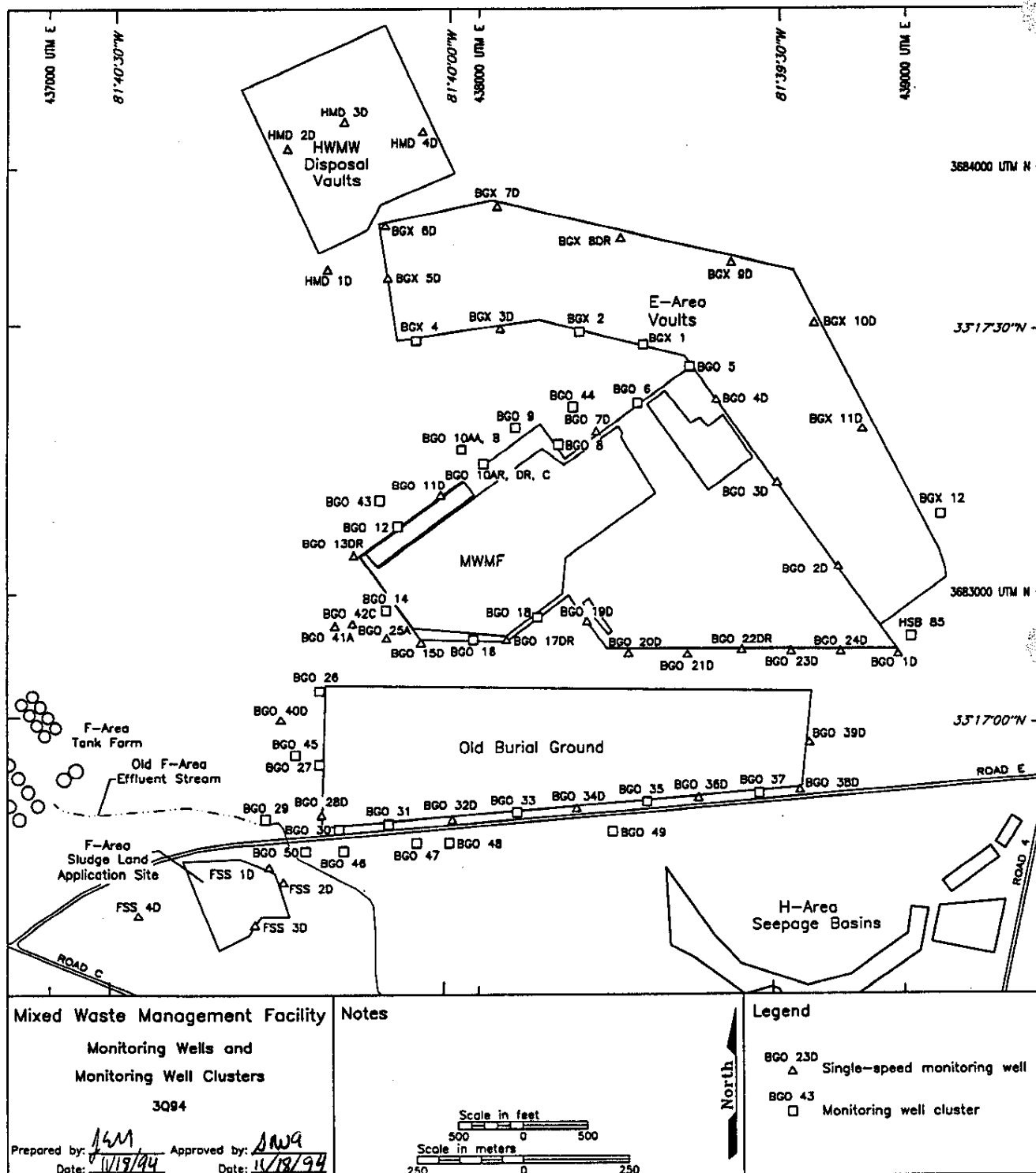


Figure 2. Location of the Groundwater Monitoring Wells at the Mixed Waste Management Facility, the Old Burial Ground, the E-Area Vaults, the Hazardous Waste/Mixed Waste Disposal Vaults (the Burial Ground Complex), and the F-Area Sewage Sludge Application Site



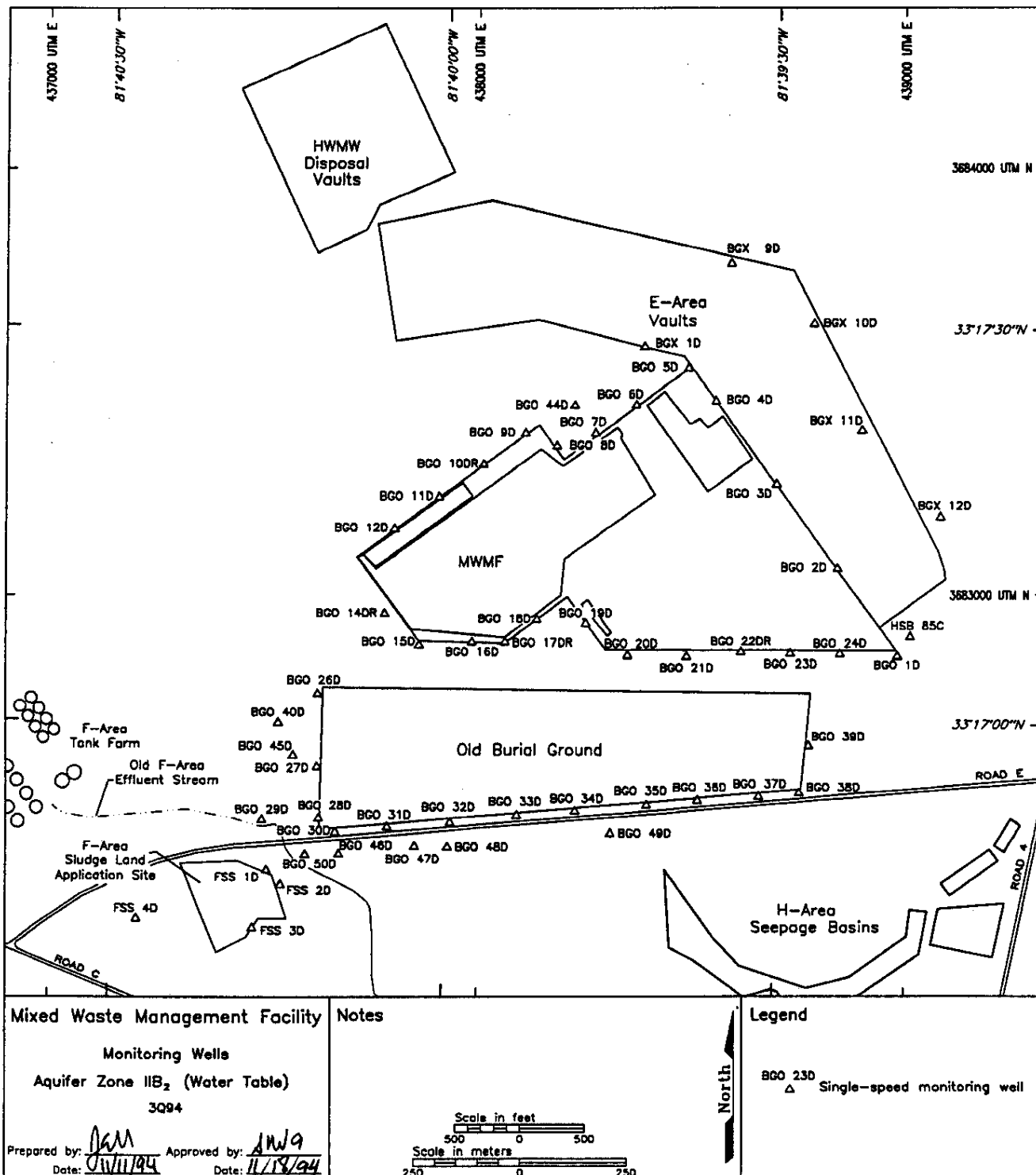
Geologic Age	Lithostratigraphic Units			Hydrostratigraphic Units			
Tertiary	"Upland Unit"		Regulatory Uppermost Aquifer	Aquifer Unit IIB	Aquifer Zone IIB <sub>2</sub>	Aquifer System II	
	Barnwell Group	Tobacco Rd Formation			Confining Zone IIB <sub>1</sub> -IIB <sub>2</sub>		
		Dry Branch Formation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

Aadland, 1990

Figure 3. Hydrostratigraphic Nomenclature

T E R T I A R Y	SIPLE (1967)	ISRP BASELINE HYDROGEOLOGIC STUDY	GEOTRANS (1988)	AUCOTT (1987)	DUPONT (1989)	A A D L A N D and B L E D S O E (1990)		
	HAWTHORNE AQUIFER	UPLAND UNIT				AQUIFER UNIT I/II		
T E R T I A R Y	BARNWELL AQUIFER	B A R N W E L L T O B A C C O R D F M D R Y B R A N C H F M	AQUIFER 4	TERTIARY SAND AQUIFER	ZONE 8 7a 7b 7c	AQUIFER UNIT I/II	AQUIFER UNIT IIB	AQUIFER SYSTEM II
	McBEAN AQUITARD GREEN CLAY	McBEAN FORMATION GREEN CLAY			ZONE 6 5b 5a		CONFINING UNIT IIA-IB	
	CONGAREE AQUIFER	CONGAREE	AQUIFER 3		ZONE 5		AQUIFER UNIT IIA	
	ELLENTON AQUITARD	WILLIAMSBURG FORMATION ELLENTON FORMATION	AQUITARD 2	CONFINING UNIT	ZONE 4			CONFINING SYSTEM I-II
C R E T A C E O U S	UPPER TUSCALOOSA AQUIFER	PEEDEE FORMATION	AQUIFER 2	BLACK CREEK AQUIFER	ZONE 3 3b 3a	CONFINING UNIT I/IIA-1/II	AQUIFER UNIT IIB	
	MID TUSCALOOSA AQUITARD	BLACK CREEK FORMATION	AQUITARD 1	CONFINING UNIT	2c		AQUIFER UNIT IB	AQUIFER SYSTEM I
	LOWER TUSCALOOSA AQUIFER	MIDDENDORF FORMATION	AQUIFER 1	MIDDENDORF AQUIFER	ZONE 2 2b 2a	AQUIFER UNIT I/IIA	AQUIFER UNIT IA	
	BASAL CLAY AQUITARD	CAPE PEAR FORMATION	BASE OF MODEL	CONFINING UNIT	ZONE 1	CONFINING SYSTEM I		CONFINING SYSTEM I
TRIASSIC OR PALEOZOIC BASEMENT						PALEOZOIC - TRIASSIC BASEMENT HYDROLOGIC SYSTEM		

Figure 4. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclature



**Figure 5. Location of Aquifer Zone IIB<sub>2</sub> (Water Table) Wells at the Burial Ground Complex**

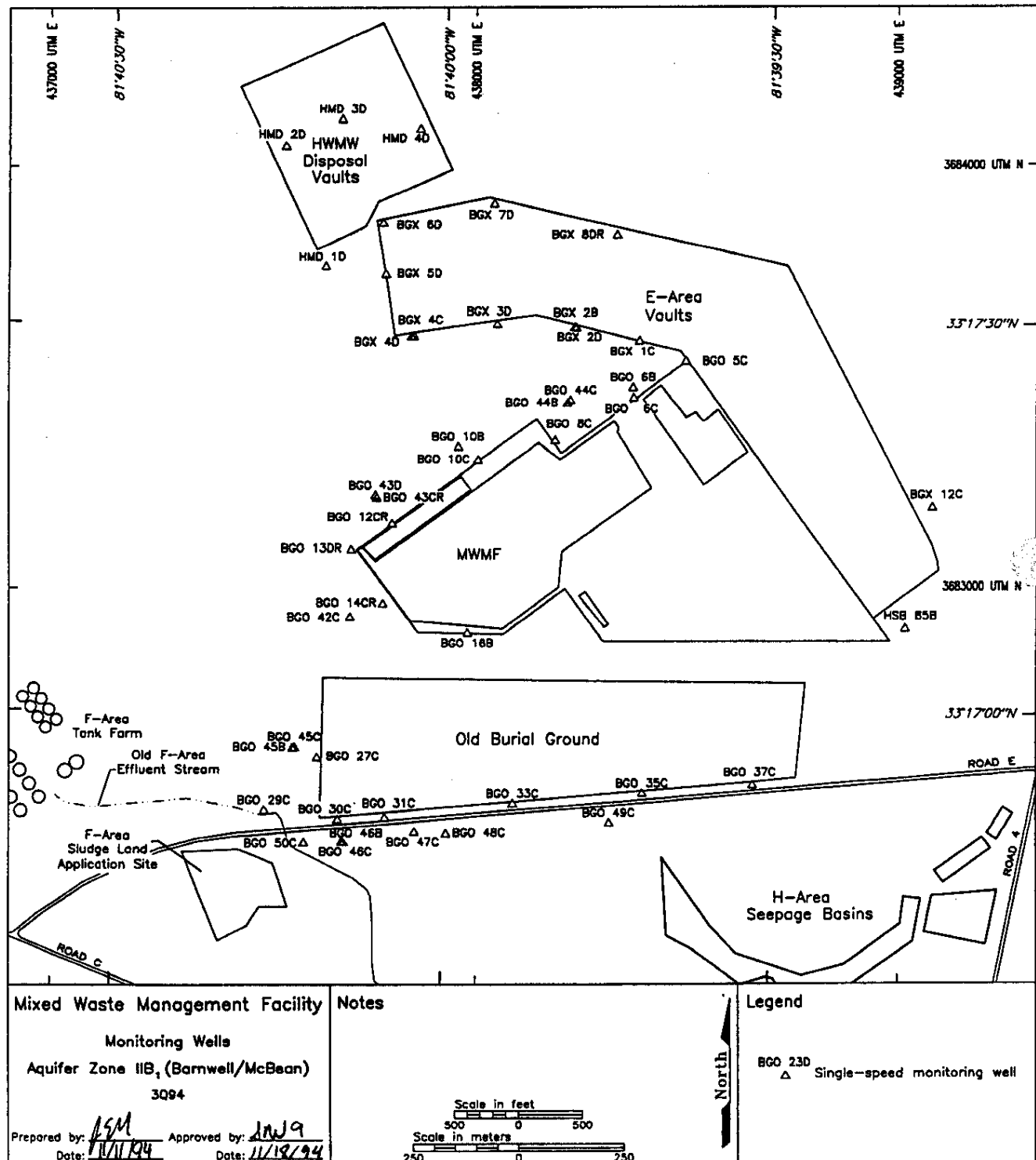
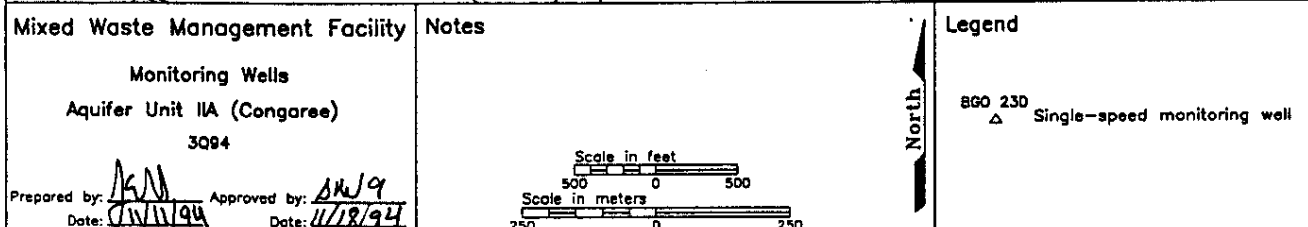


Figure 6. Location of Aquifer Zone IIB, (Barnwell/McBean) Wells at the Burial Ground Complex



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

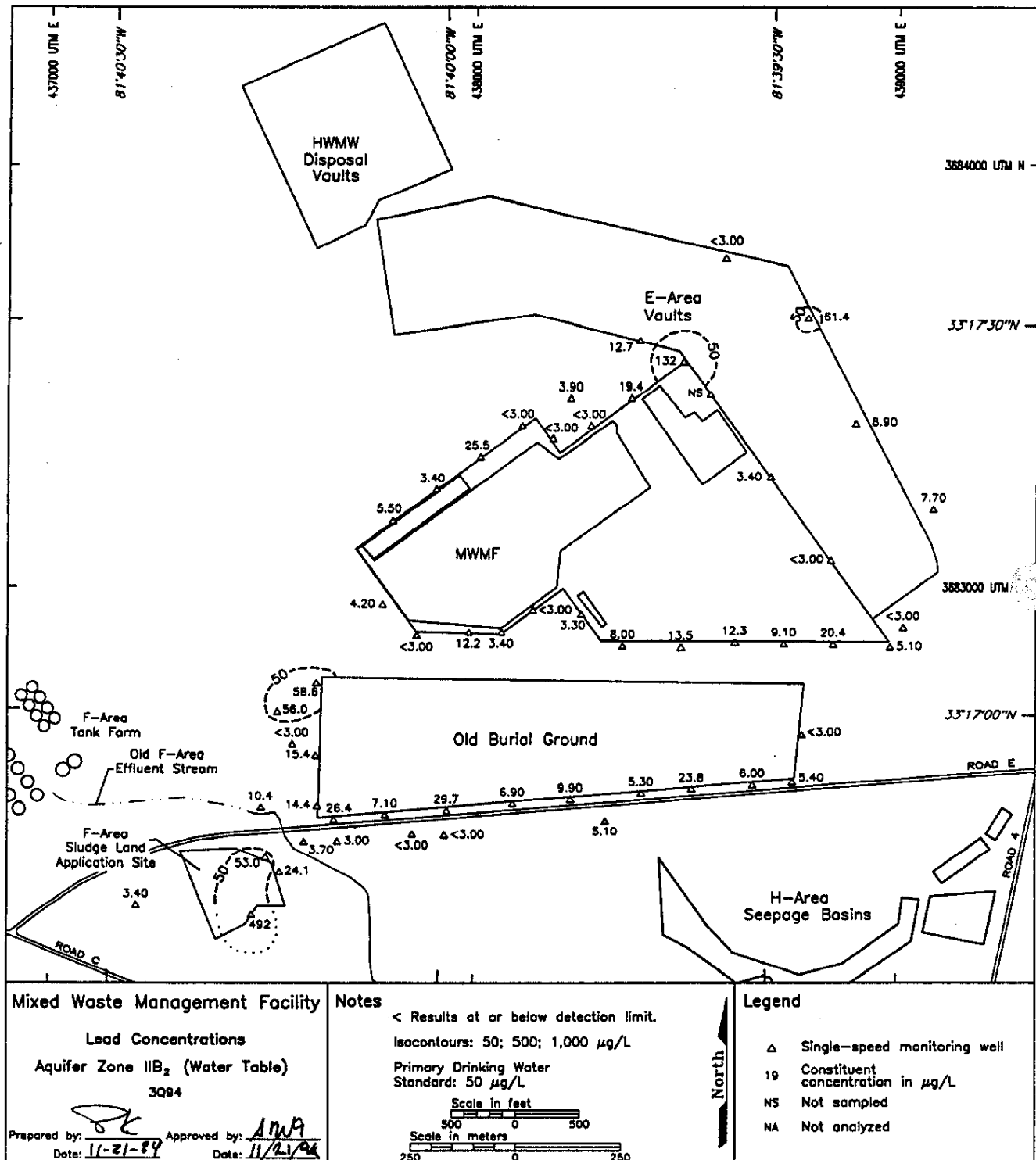
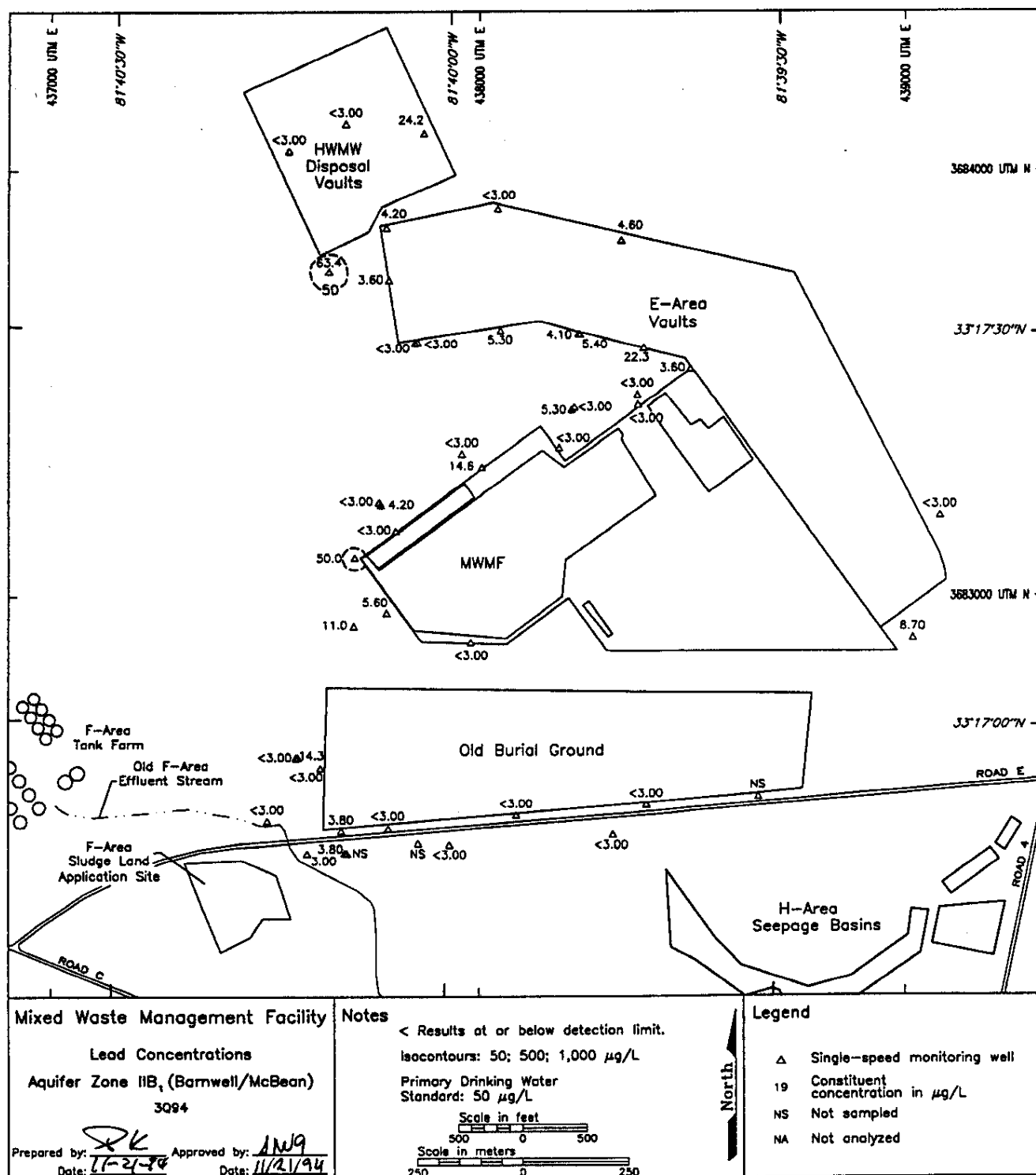


Figure 8. Lead Concentrations in Aquifer Zone IIB<sub>2</sub> (Water Table) at the Burial Ground Complex, Third Quarter 1994



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

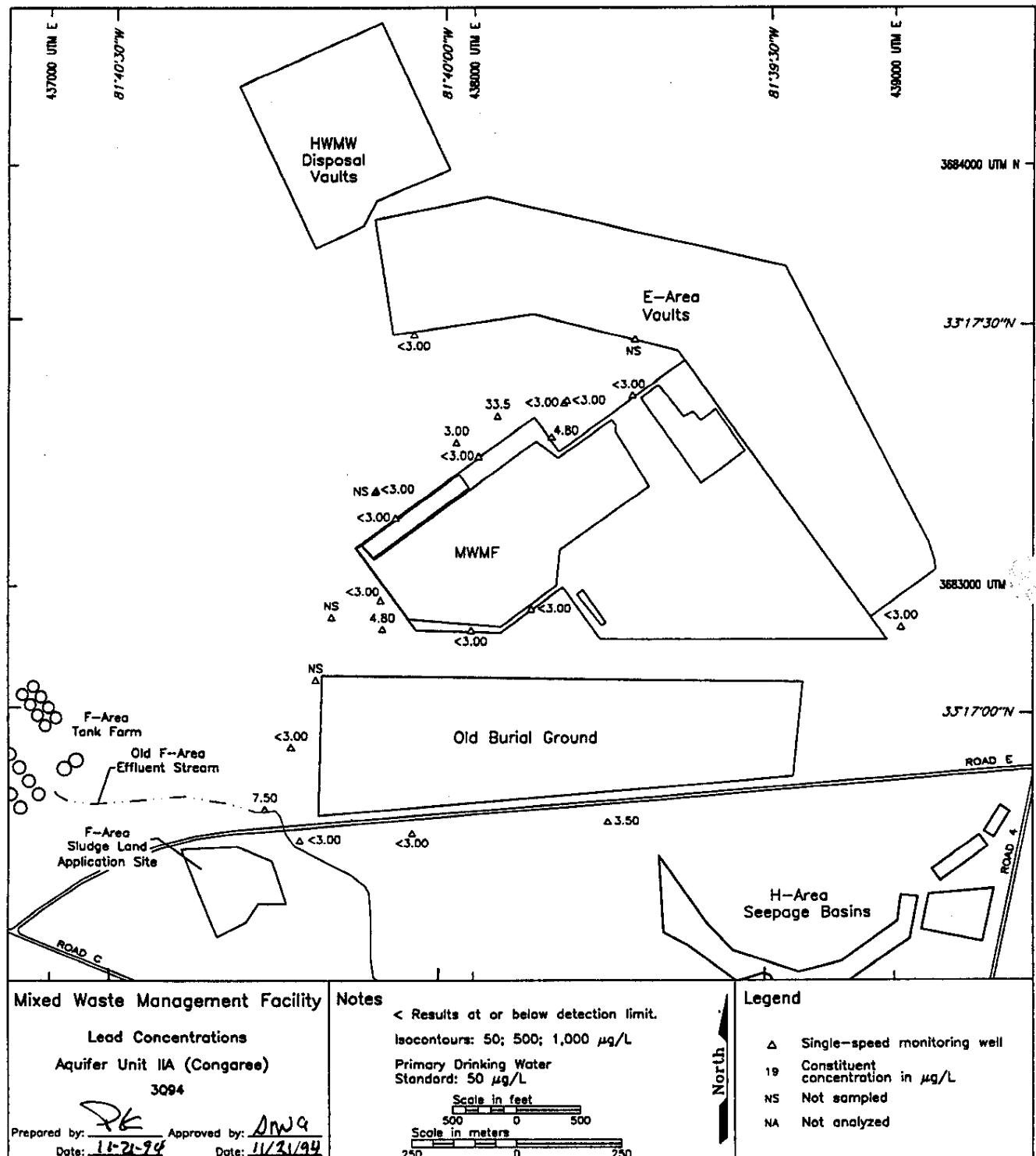


Figure 10. Lead Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Third Quarter 1994



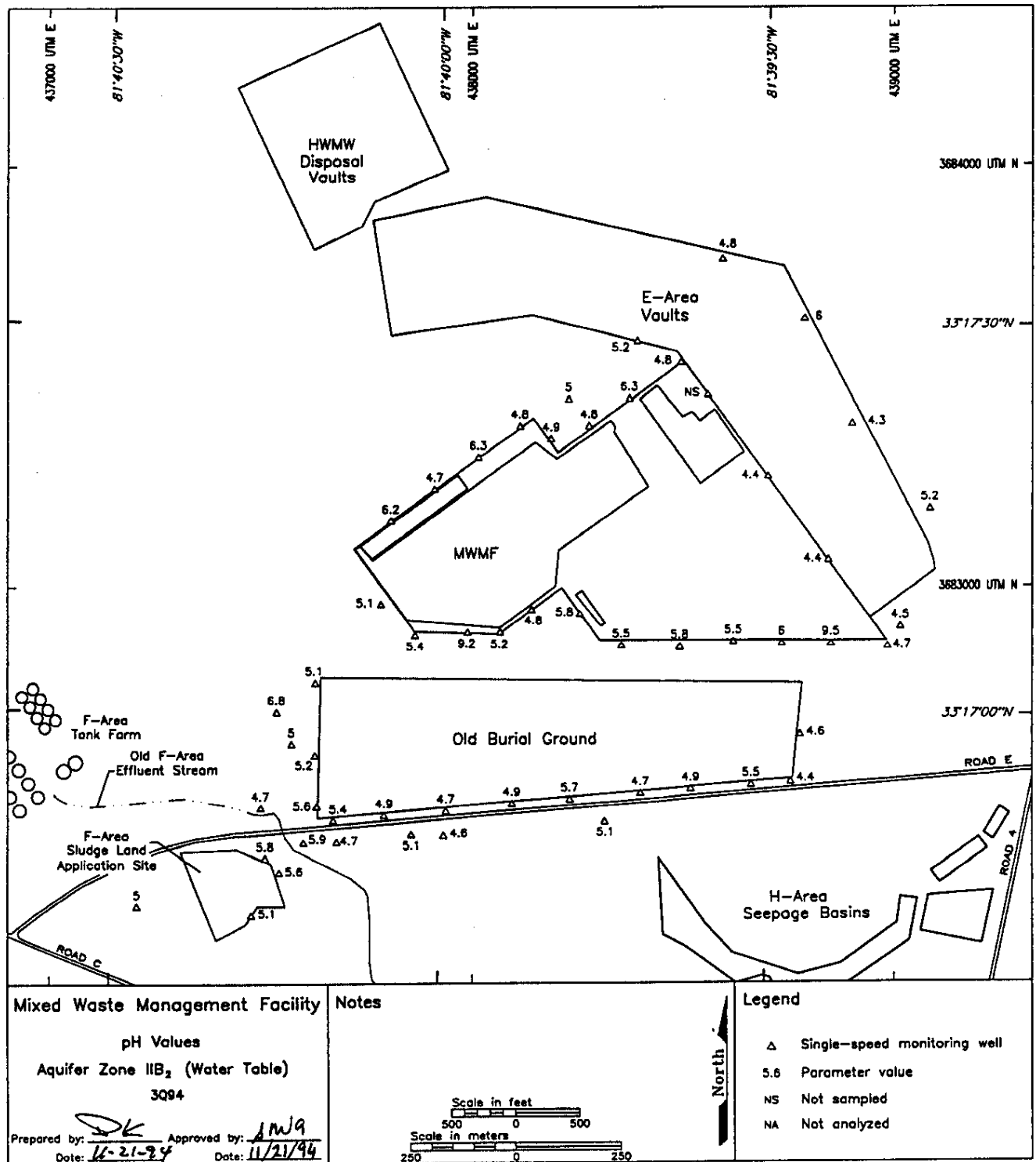


Figure 11. pH Values in Aquifer Zone IIB<sub>2</sub> (Water Table) at the Burial Ground Complex, Third Quarter 1994

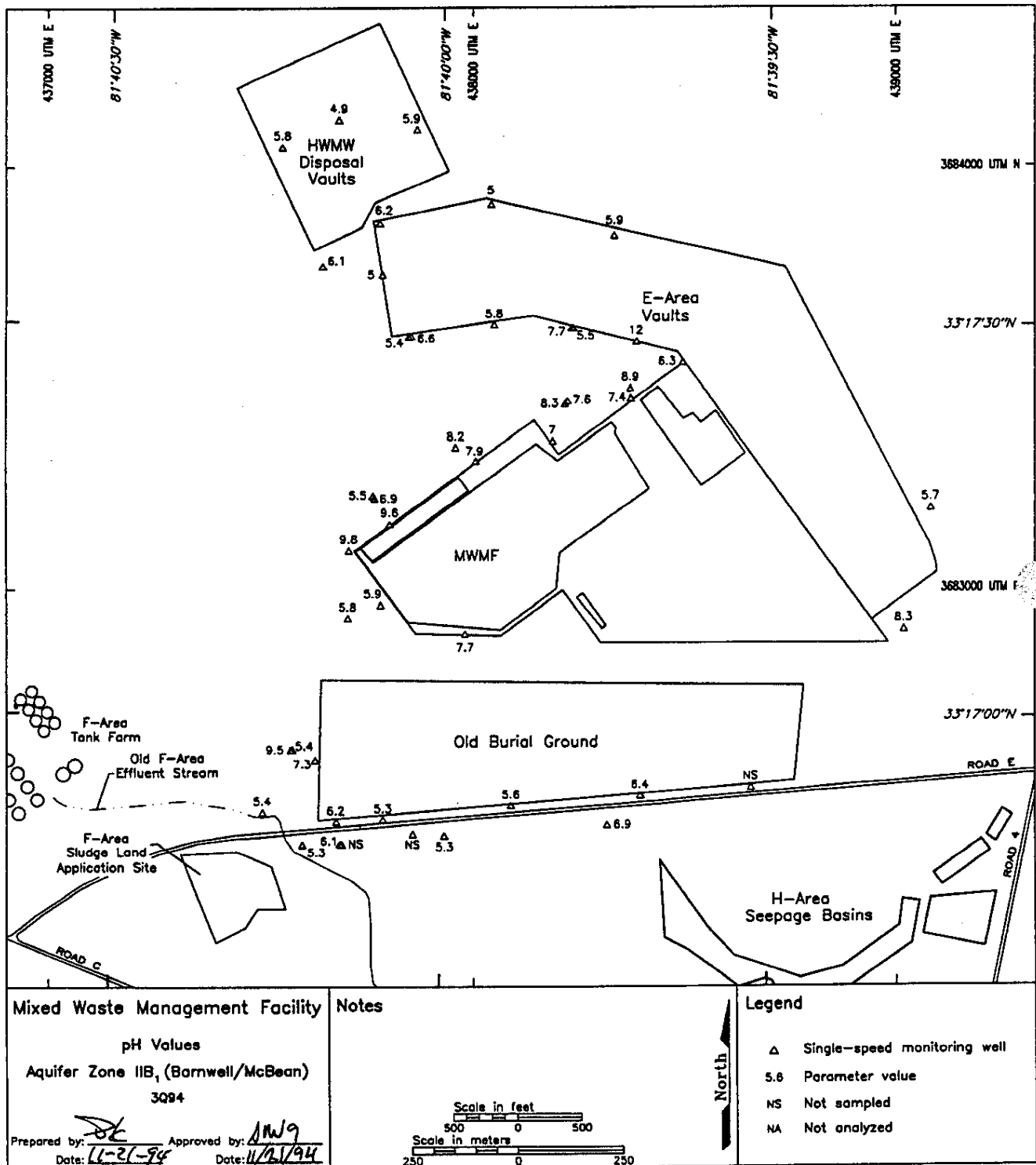


Figure 12. pH Values in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, Third Quarter 1994

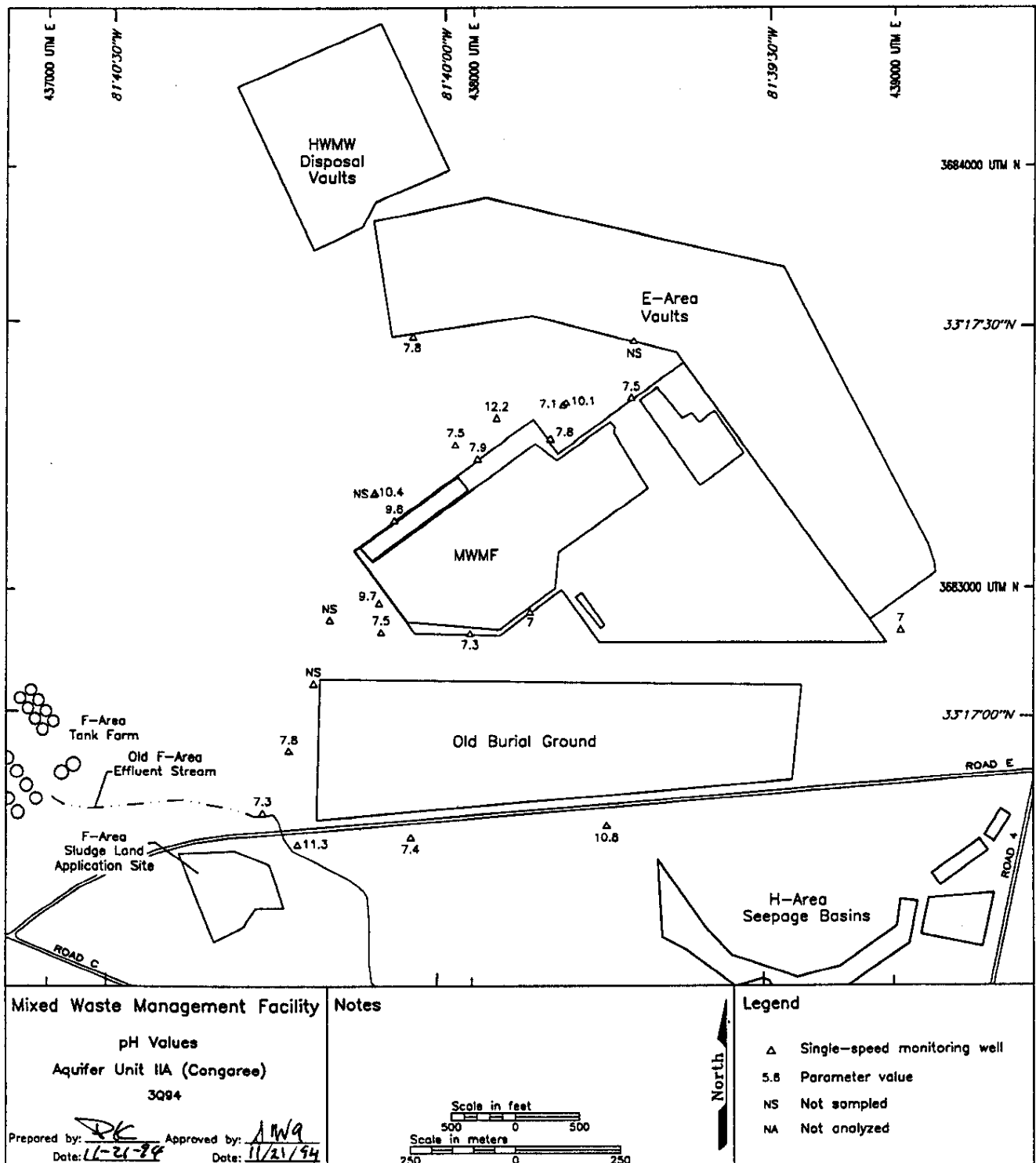


Figure 13. pH Values in Aquifer Zone IIA (Congaree) at the Burial Ground Complex, Third Quarter 1994

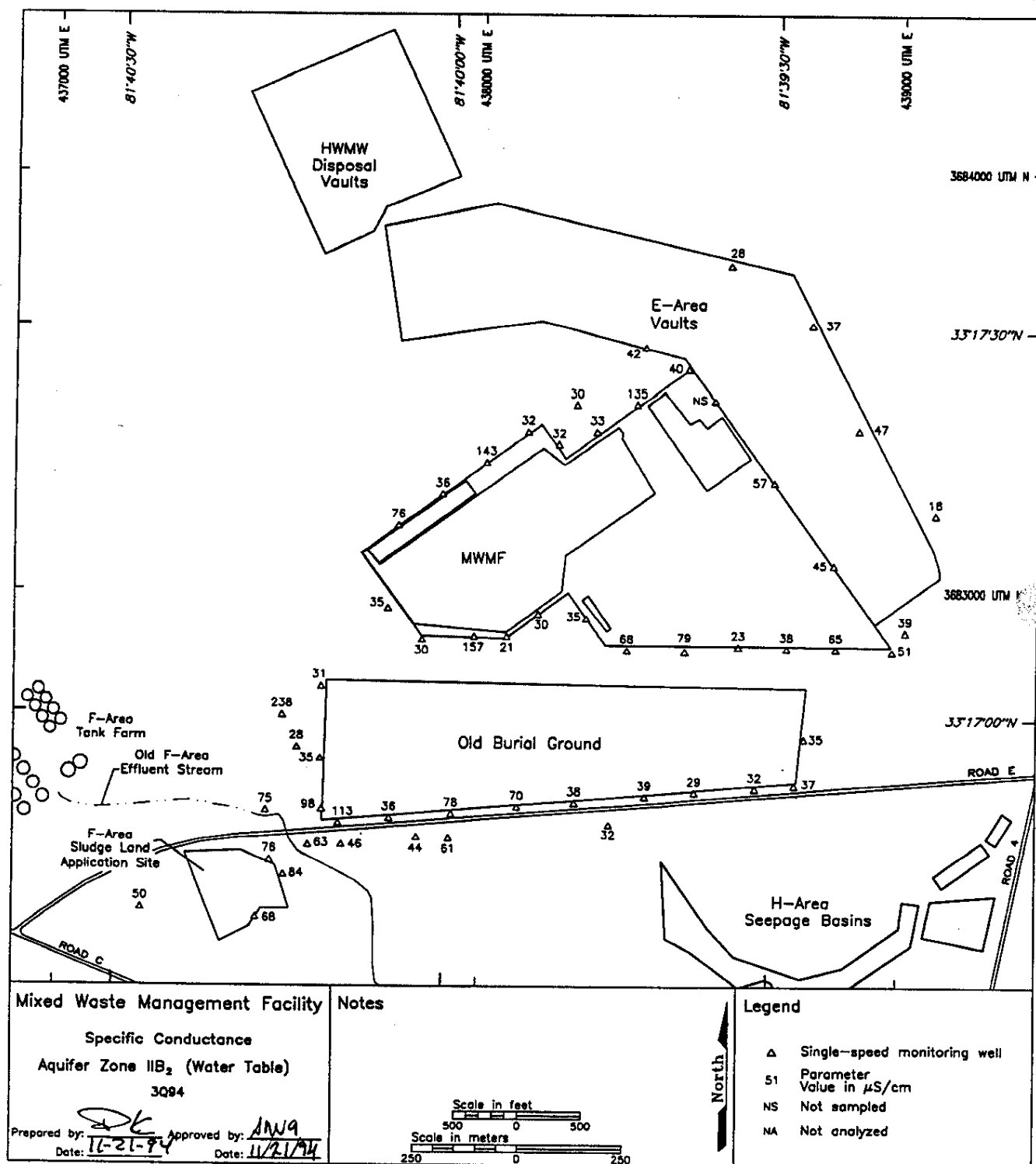


Figure 14. Specific Conductance in Aquifer Zone IIB<sub>2</sub> (Water Table) at the Burial Ground Complex, Third Quarter 1994

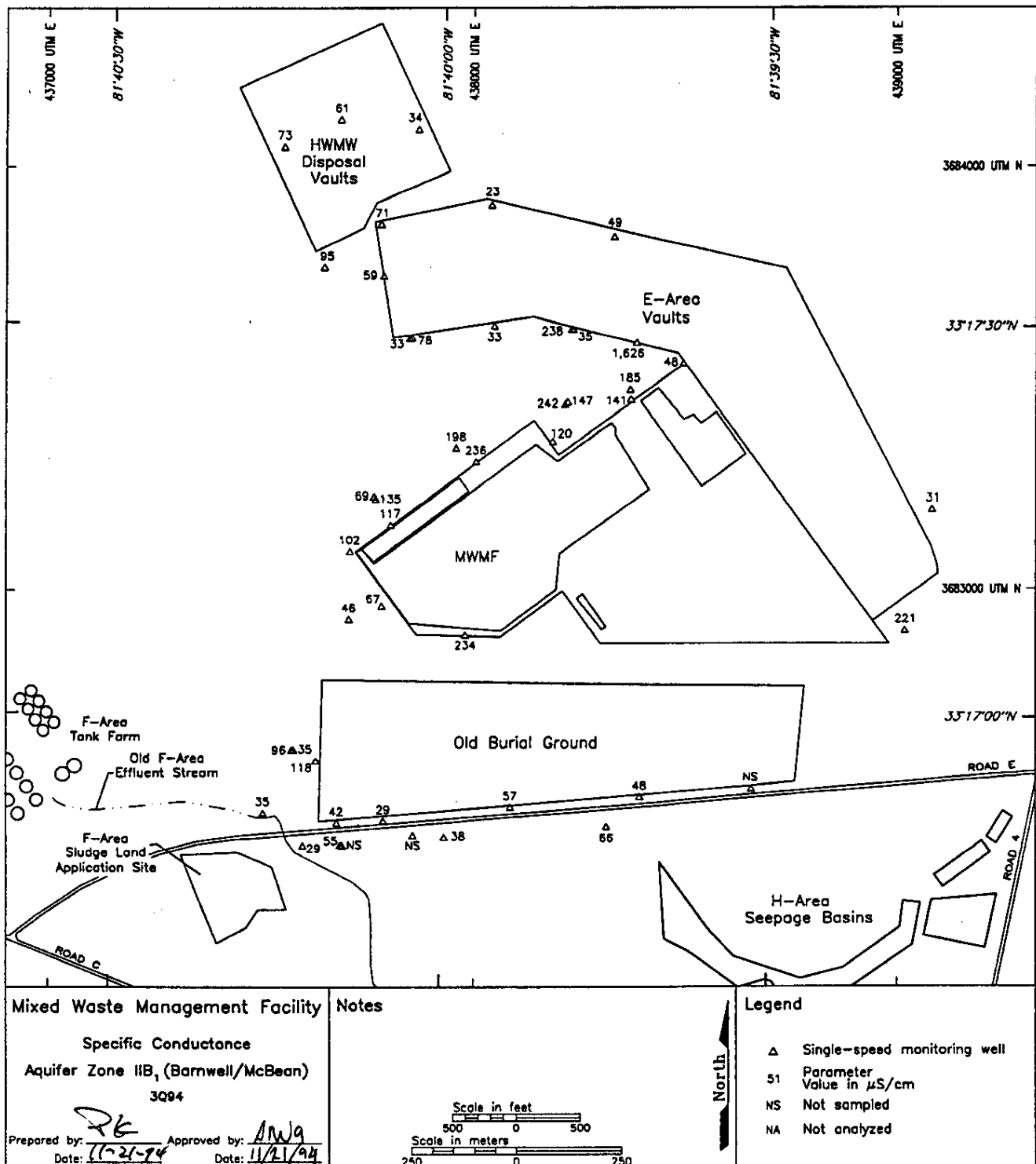


Figure 15. Specific Conductance in Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean) at the Burial Ground Complex, Third Quarter 1994

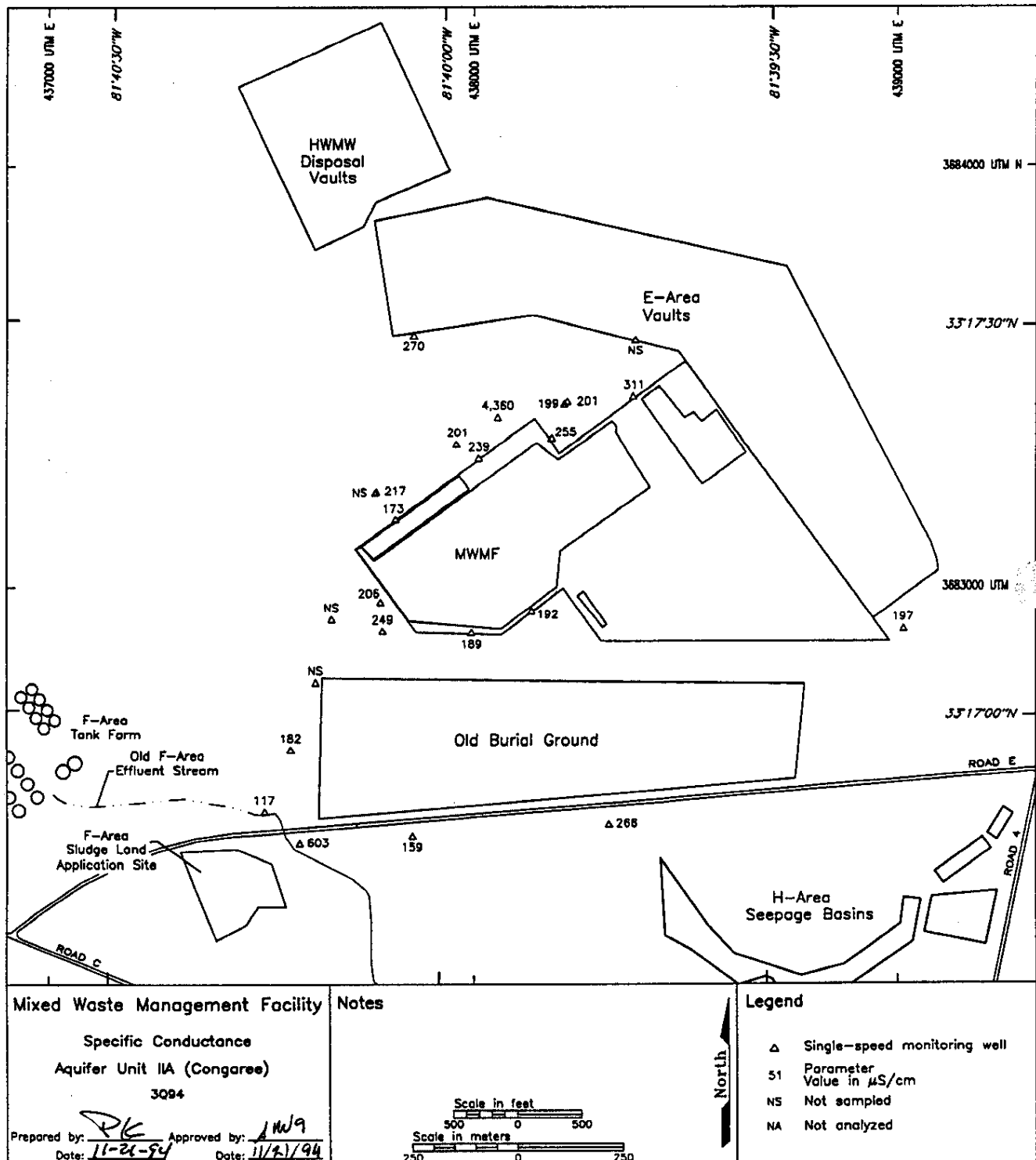


Figure 16. Specific Conductance in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Third Quarter 1994

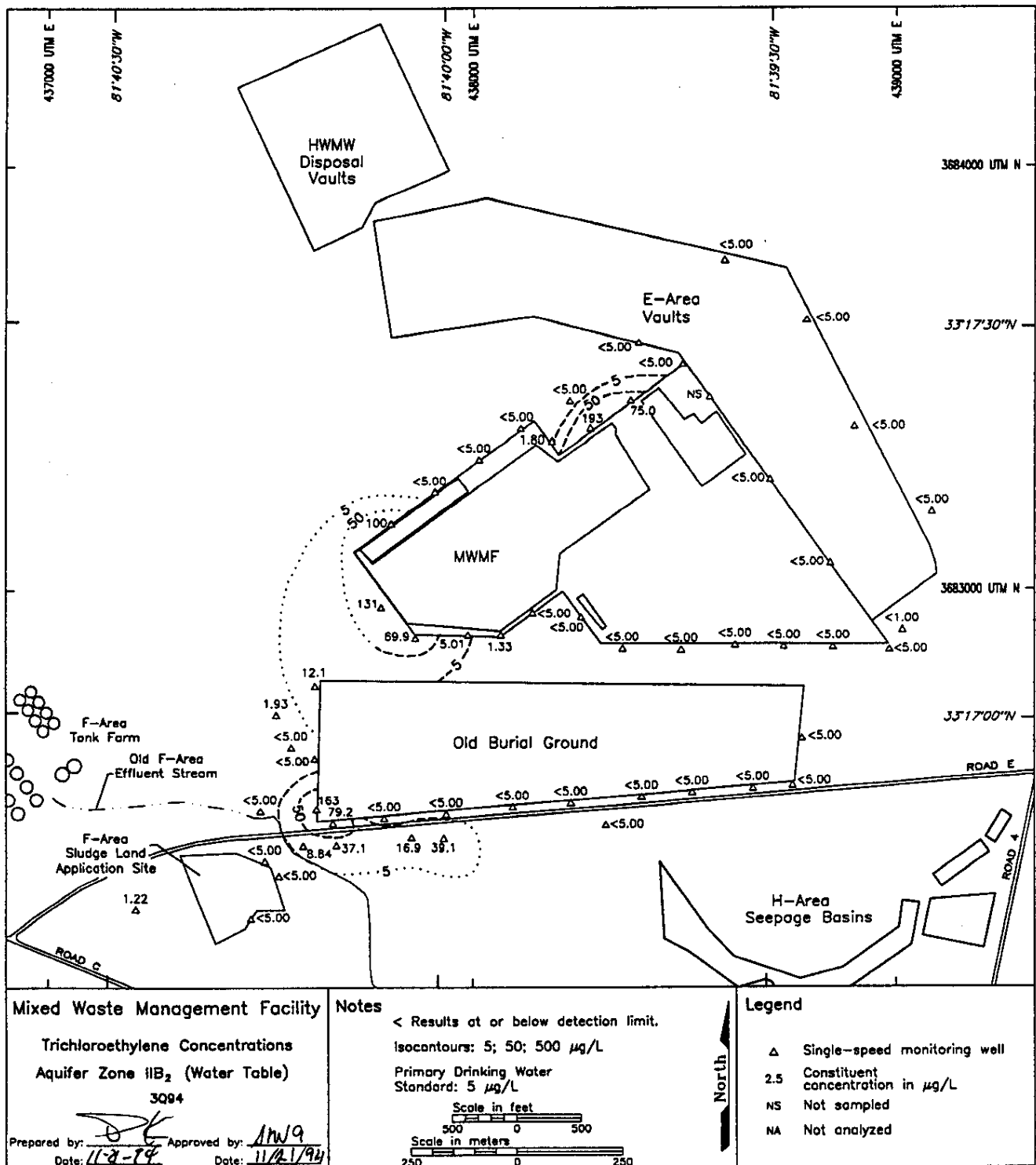


Figure 17. Trichloroethylene Concentrations in Aquifer Zone IIB<sub>2</sub> (Water Table) at the Burial Ground Complex, Third Quarter 1994

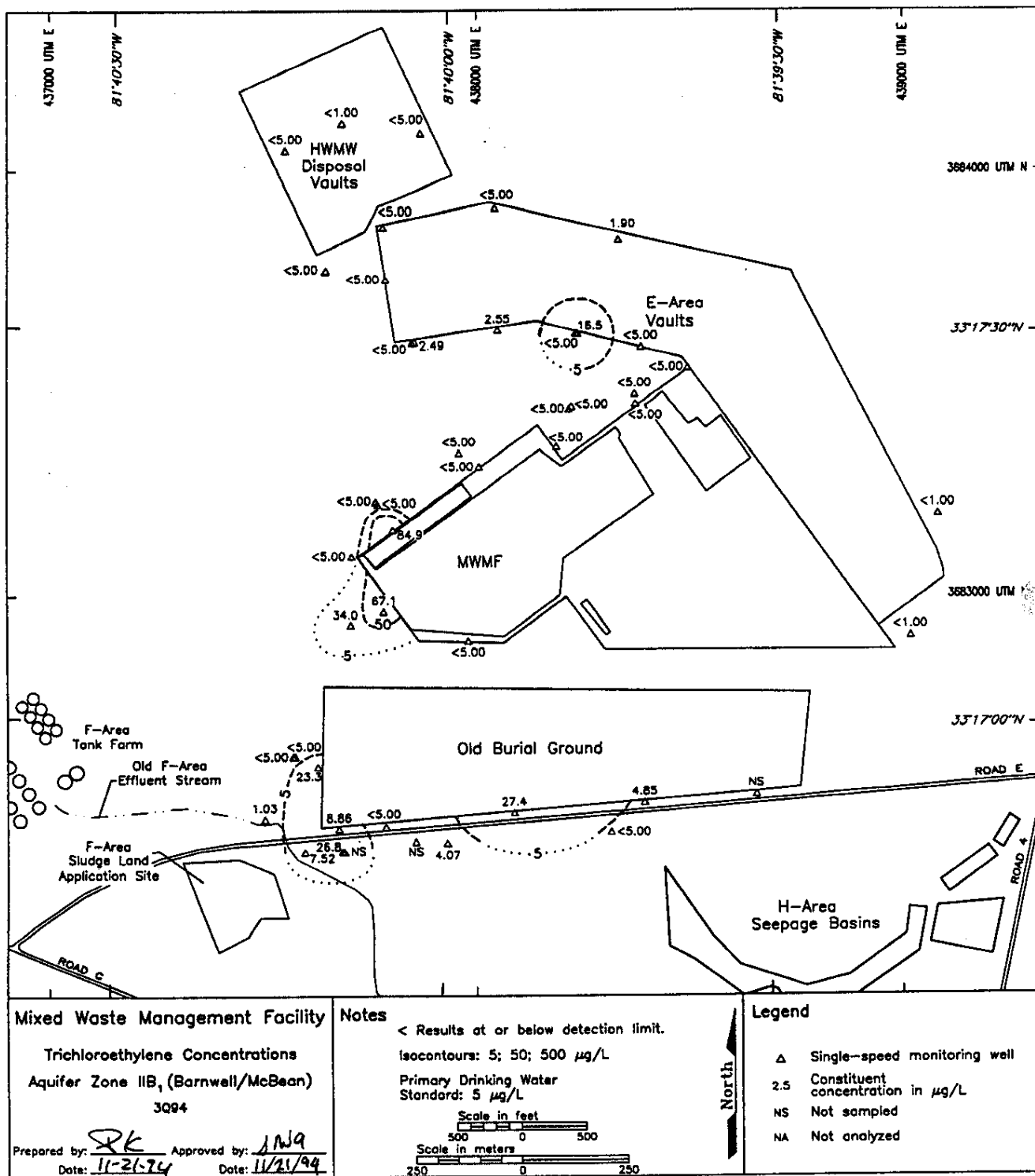


Figure 18. Trichloroethylene Concentrations in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, Third Quarter 1994



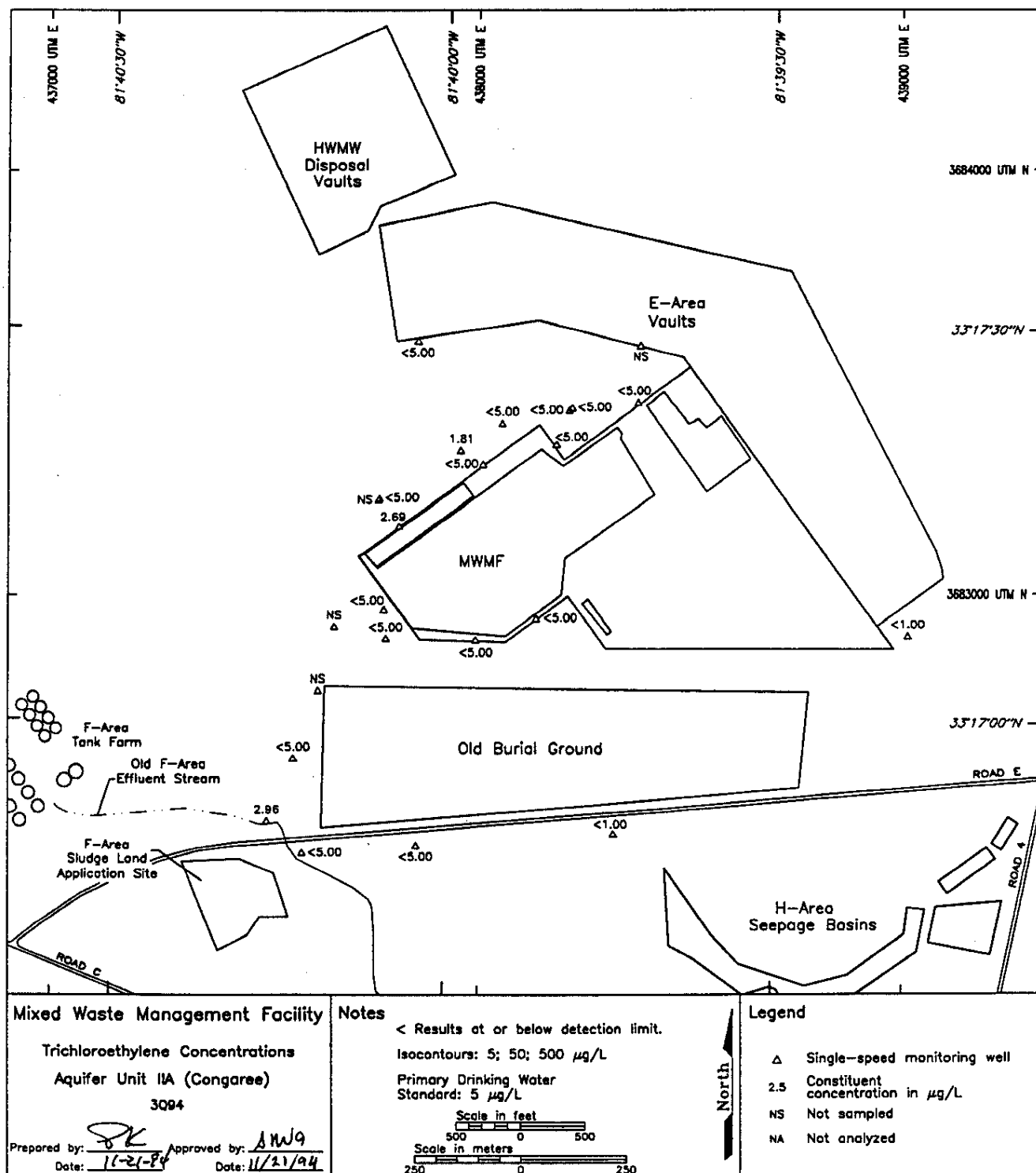


Figure 19. Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Third Quarter 1994

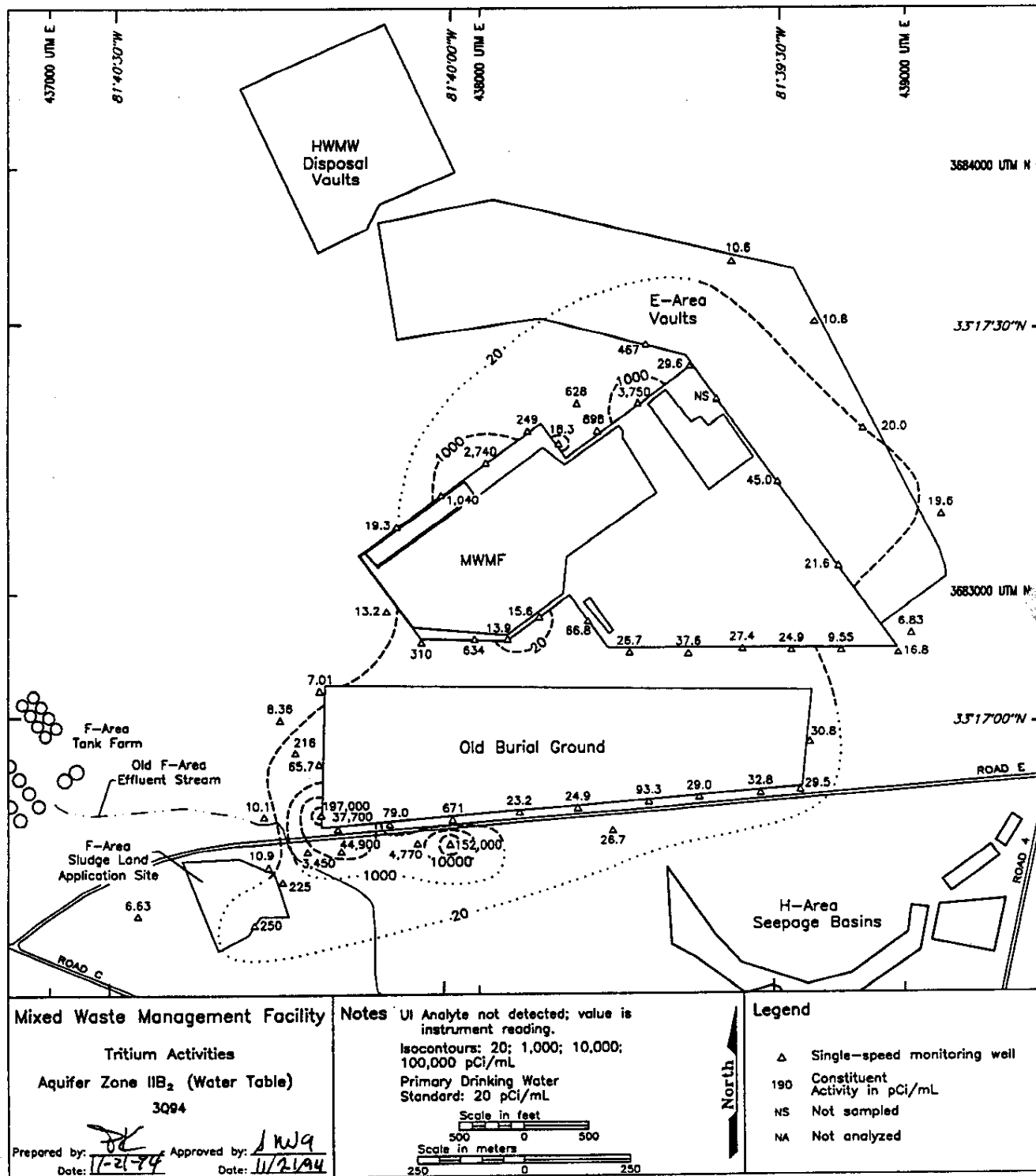


Figure 20. Tritium Activities in Aquifer Zone IIB<sub>2</sub> (Water Table) at the Burial Ground Complex, Third Quarter 1994

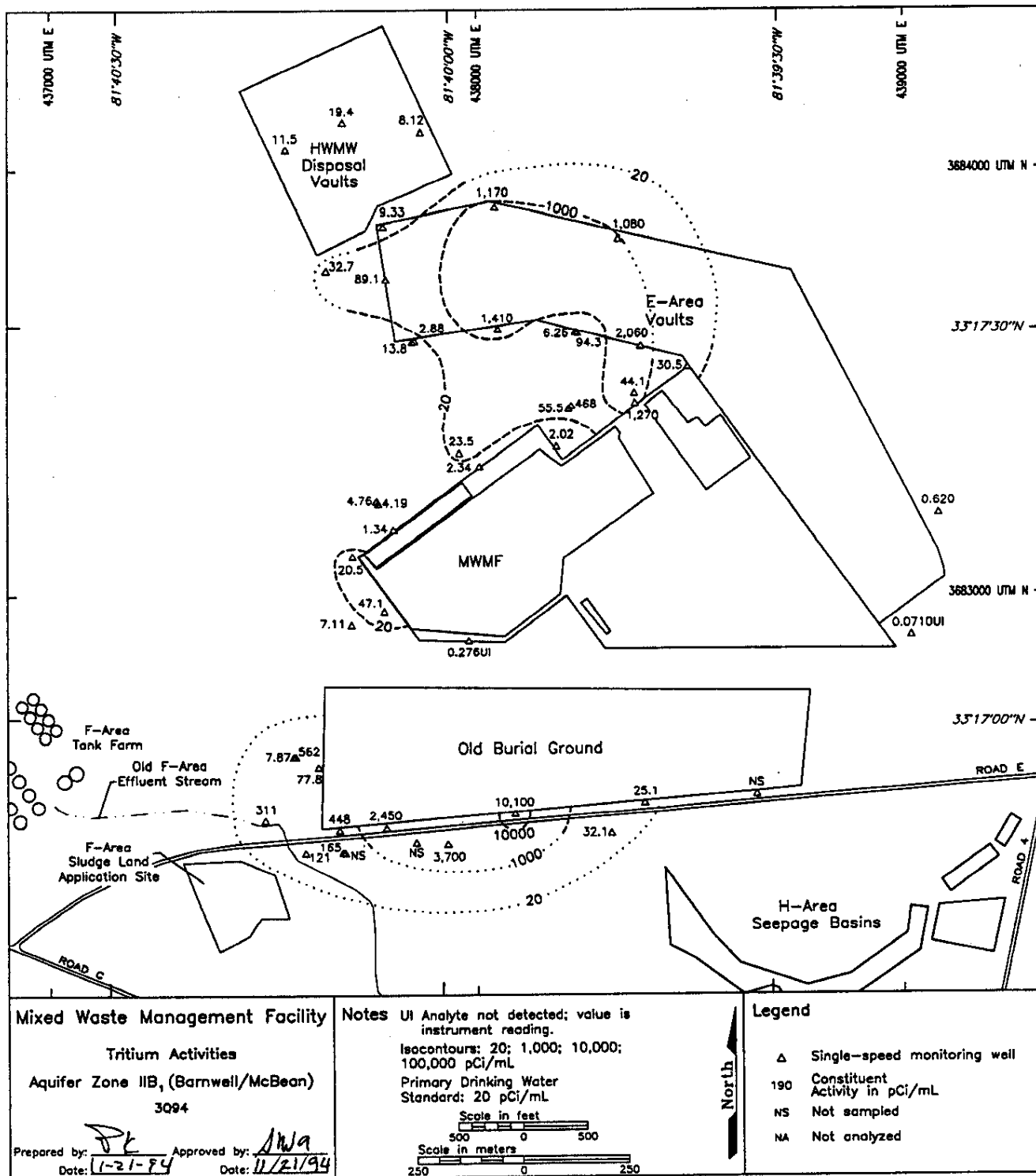


Figure 21. Tritium Activities in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, Third Quarter 1994

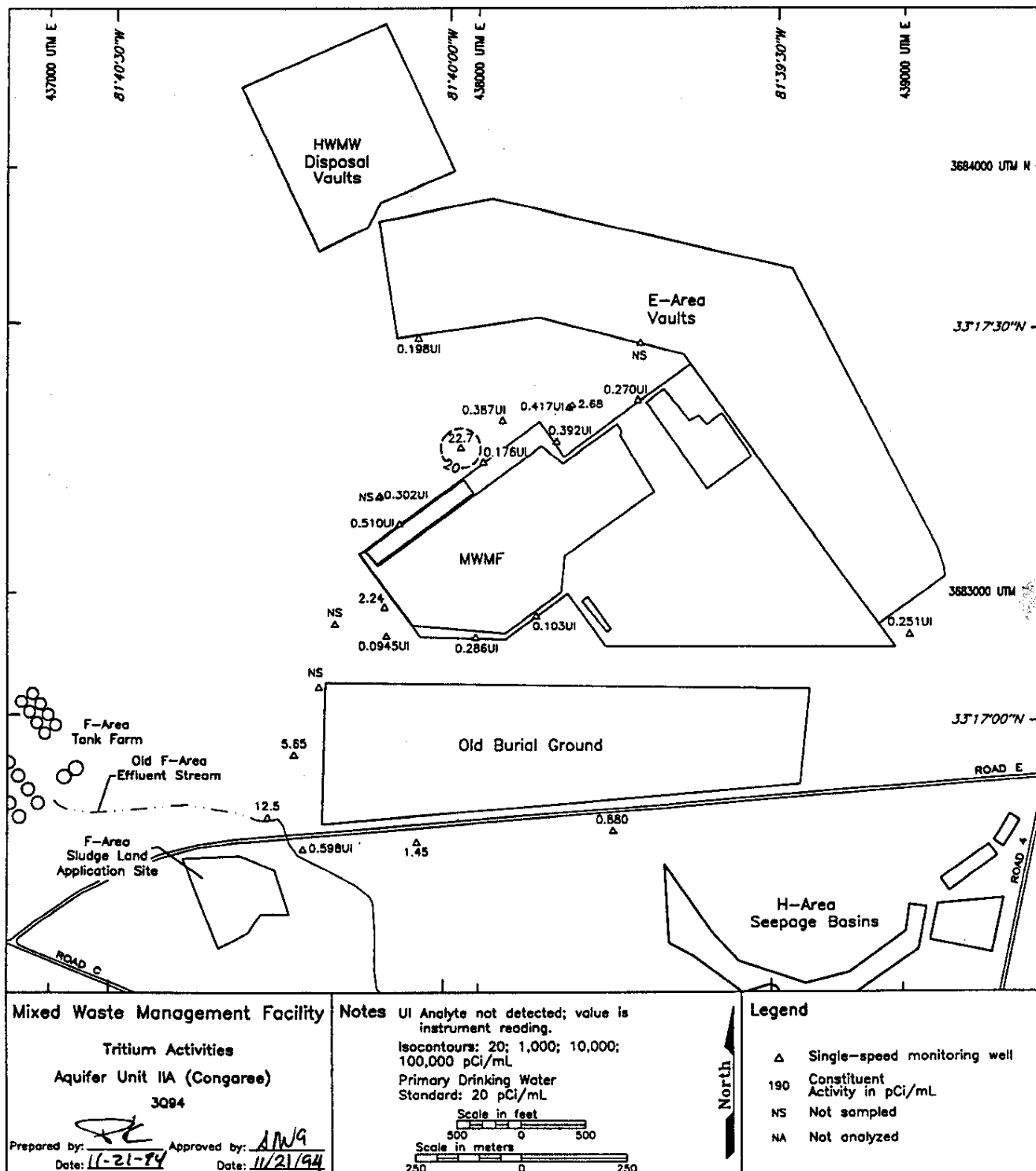


Figure 22. Tritium Activities in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Third Quarter 1994

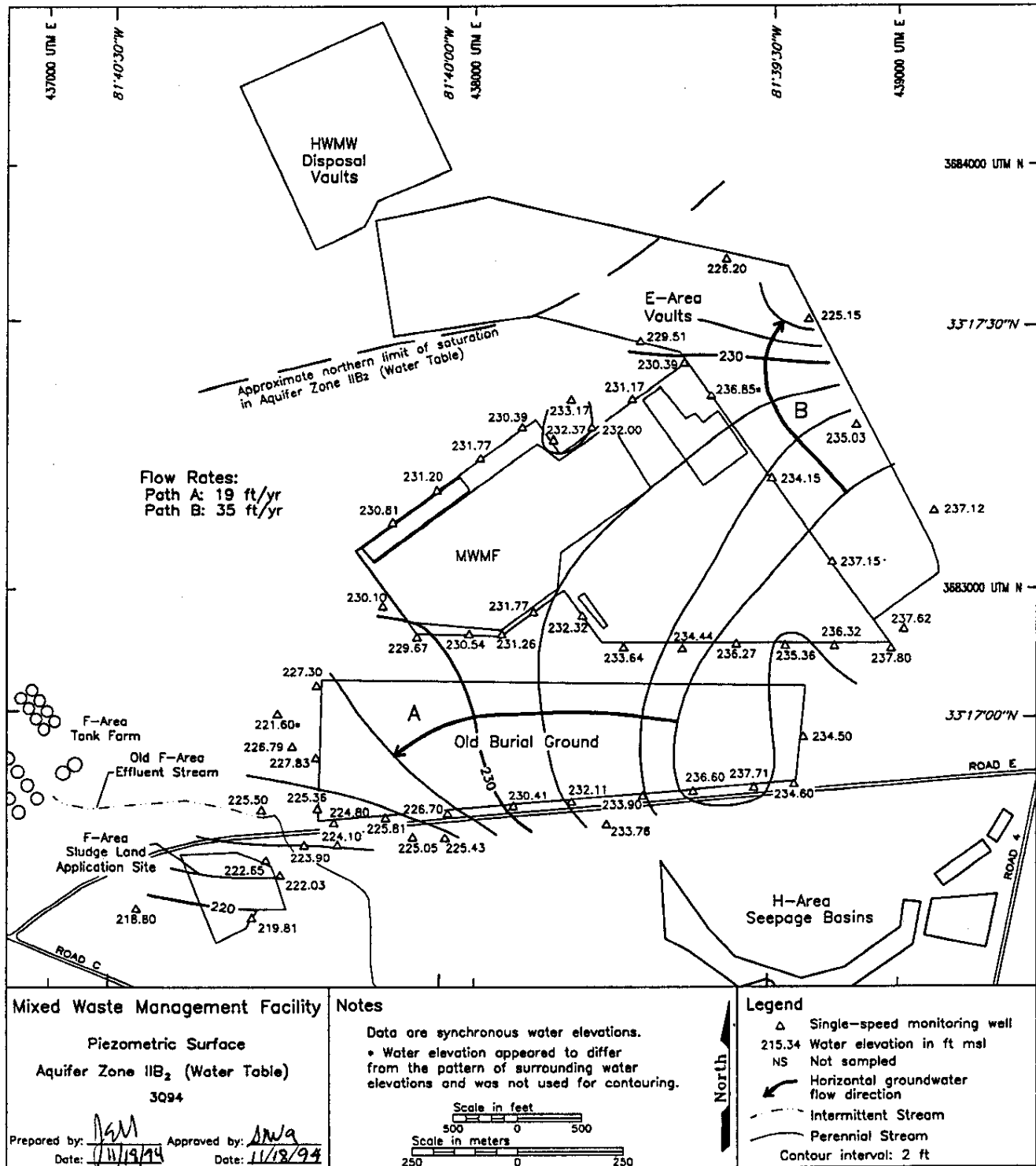


Figure 23. Piezometric Surface Map of Aquifer Zone IIB<sub>2</sub> (Water Table) at the Burial Ground Complex

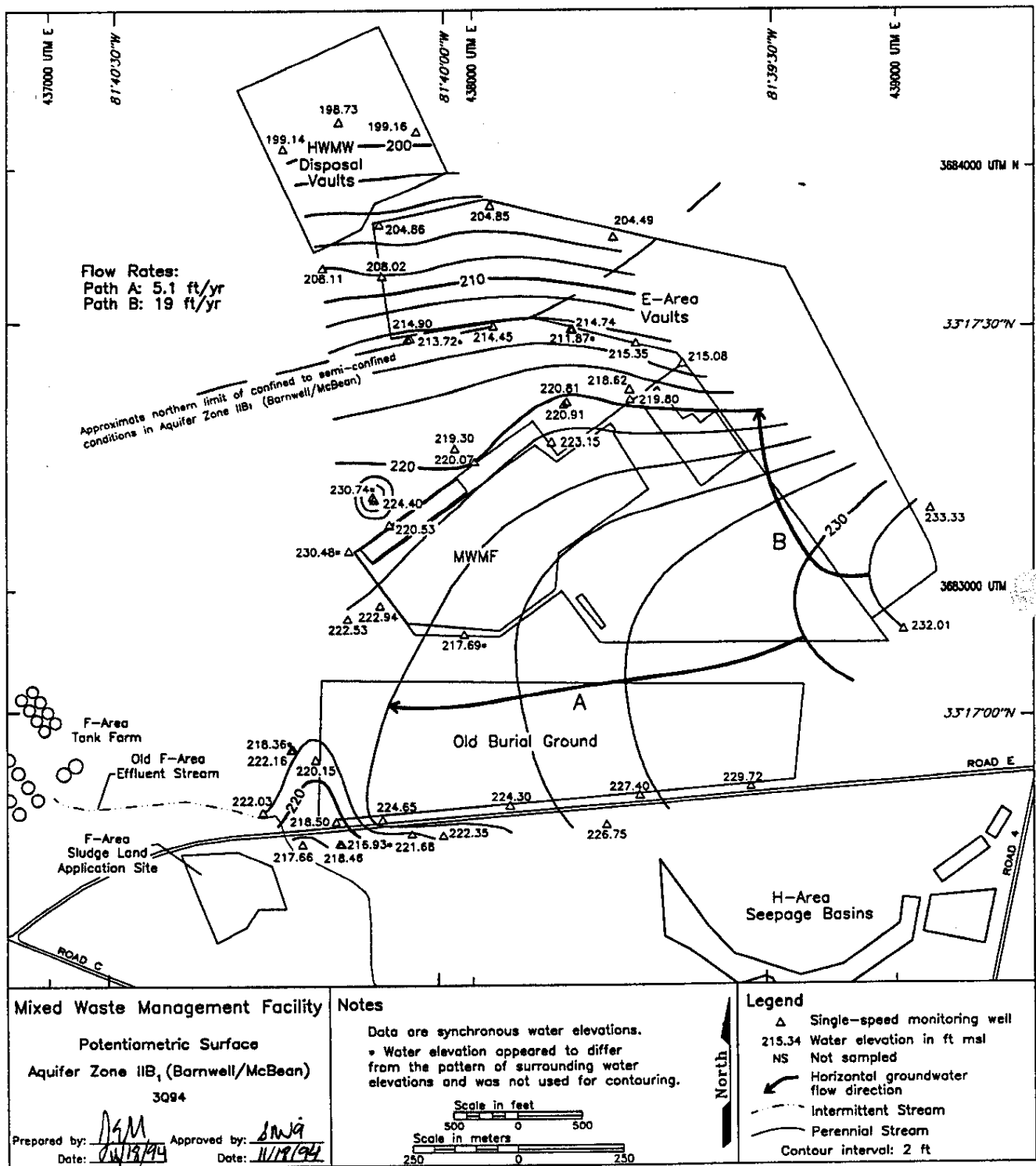
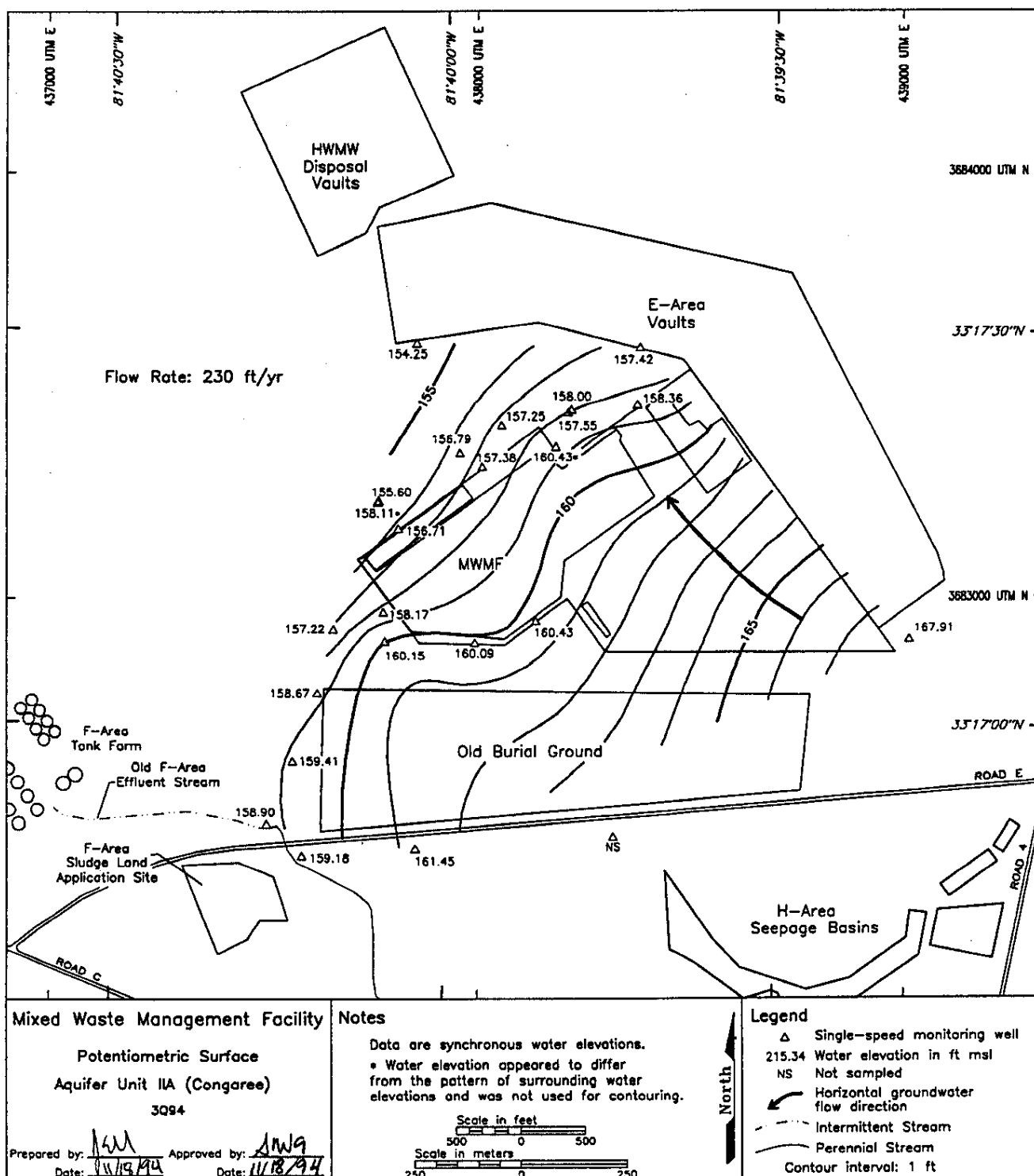


Figure 24. Potentiometric Surface Map of Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex



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

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## **Appendix D**

### **Groundwater Monitoring Results Tables**

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## 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
DF	dilution factor 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
ST	exceeded standard column in data tables
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 *ST* (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 usability. Result modifiers designed by the EPD/EMS 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 D-1. Maximum Levels of Constituents Exceeding the Final Primary Drinking Water Standards**

**Aquifer Zone IIB<sub>2</sub> (Water Table)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>3Q94</u>	<u>Mod</u>
BGO 2D	Tritium	pCi/mL	2.0E+01	2.1E+01	2.1E+01	2.2E+01	
BGO 3D	Tritium	pCi/mL	3.9E+01	3.7E+01	4.5E+01	4.5E+01	
BGO 5D	Lead	µg/L	— <sup>a</sup>	—	—	132	Y
	Tritium	pCi/mL	—	2.4E+01	—	3.0E+01	
BGO 6D	1,1-Dichloroethylene	µg/L	—	—	—	7.9	Y
	Tetrachloroethylene	µg/L	—	—	—	6.6	Y
	Trichloroethylene	µg/L	23	23	35	75	Y
	Tritium	pCi/mL	1.2E+03	1.0E+03	1.9E+03	3.8E+03	
BGO 7D	Tetrachloroethylene	µg/L	7.0	13	9.8	11	
	Trichloroethylene	µg/L	98	175	153	193	
	Tritium	pCi/mL	5.2E+02	6.5E+02	5.7E+02	9.0E+02	
BGO 9D	Dichloromethane	µg/L	—	—	—	8.8	Y
	Tritium	pCi/mL	2.1E+02	2.4E+02	1.6E+02	2.5E+02	
BGO 10DR	Tritium	pCi/mL	6.7E+02	1.0E+03	2.2E+03	2.7E+03	
BGO 11D	Tritium	pCi/mL	1.5E+03	1.7E+03	1.5E+03	1.0E+03	Y
BGO 12D	Trichloroethylene	µg/L	100	127	83	100	Y
	Tritium	pCi/mL	3.1E+01	2.9E+01	2.2E+01	—	
BGO 14DR	Dichloromethane	µg/L	6.6	—	—	—	JV2
	Trichloroethylene	µg/L	252	61	162	131	
BGO 15D	Tetrachloroethylene	µg/L	5.0	—	5.8	5.5	
	Trichloroethylene	µg/L	54	67	69	70	
	Tritium	pCi/mL	3.2E+02	2.7E+02	2.6E+02	3.1E+02	
BGO 16D	Trichloroethylene	µg/L	10	22	8.6	5.0	Y
	Tritium	pCi/mL	6.9E+02	6.3E+02	6.9E+02	6.3E+02	
BGO 19D	Tritium	pCi/mL	4.0E+01	5.6E+01	7.5E+01	6.7E+01	
BGO 20D	Tritium	pCi/mL	2.2E+01	2.3E+01	2.2E+01	2.7E+01	
BGO 21D	Tritium	pCi/mL	3.2E+01	3.0E+01	3.2E+01	3.8E+01	
BGO 22DR	Tritium	pCi/mL	4.4E+01	4.2E+01	3.7E+01	2.7E+01	
BGO 23D	Tritium	pCi/mL	2.4E+01	2.0E+01	2.1E+01	2.5E+01	
BGO 26D	Lead	µg/L	73	—	—	59	
	Trichloroethylene	µg/L	—	—	—	12	

Aquifer Zone IIB<sub>2</sub> (Water Table)

Well	Constituent	Unit	4Q93	1Q94	2Q94	3Q94	Mod
BGO 27D	Tritium	pCi/mL	4.1E+01	2.5E+01	3.1E+01	6.6E+01	
BGO 28D	Chloroethene	µg/L	60	140	96	85	Y
	Dichloromethane	µg/L	48	—	—	—	Y
	Trichloroethylene	µg/L	234	190	208	163	Y
	Tritium	pCi/mL	1.3E+05	1.2E+05	1.6E+05	2.0E+05	
BGO 29D	Tritium	pCi/mL	—	—	4.2E+01	—	
BGO 30D	Chloroethene	µg/L	6.3	7.8	5.5	14	Y
	1,1-Dichloroethylene	µg/L	24	19	13	8.1	Y
	Trichloroethylene	µg/L	58	81	60	79	Y
	Tritium	pCi/mL	4.1E+04	4.5E+04	3.9E+04	3.8E+04	
BGO 31D	Tritium	pCi/mL	1.5E+02	3.0E+01	—	7.9E+01	
BGO 32D	Gross alpha	pCi/L	—	—	1.5E+01	2.1E+01	
	Tetrachloroethylene	µg/L	—	5.3	6.9	8.0	Y
	Trichloroethylene	µg/L	—	5.1	5.9	—	Y
	Tritium	pCi/mL	1.7E+02	6.2E+02	1.1E+03	6.7E+02	
BGO 33D	Tritium	pCi/mL	2.1E+01	2.1E+01	2.3E+01	2.3E+01	
BGO 34D	Tritium	pCi/mL	2.5E+01	2.3E+01	2.5E+01	2.5E+01	
BGO 35D	Tritium	pCi/mL	1.2E+02	1.0E+02	9.3E+01	9.3E+01	
BGO 36D	Tritium	pCi/mL	2.6E+01	2.5E+01	2.8E+01	2.9E+01	
BGO 37D	Tritium	pCi/mL	3.0E+01	3.0E+01	3.5E+01	3.3E+01	
BGO 38D	Tritium	pCi/mL	2.8E+01	2.6E+01	3.0E+01	3.0E+01	
BGO 39D	Tritium	pCi/mL	2.9E+01	2.9E+01	3.1E+01	3.1E+01	
BGO 40D	Lead	µg/L	—	—	—	56	Y
BGO 44D	Tritium	pCi/mL	4.1E+02	—	3.7E+02	6.3E+02	
BGO 45D	Tritium	pCi/mL	1.6E+02	4.3E+02	5.0E+02	2.2E+02	
BGO 46D	Chloroethene	µg/L	17	—	3.6	2.3	JY3
	1,1-Dichloroethylene	µg/L	8.3	—	—	—	Y
	Dichloromethane	µg/L	20	—	—	—	VY
	Tetrachloroethylene	µg/L	17	6.0	8.3	8.2	Y
	Trichloroethylene	µg/L	76	48	44	37	Y
	Tritium	pCi/mL	4.1E+04	—	3.9E+04	4.5E+04	
BGO 47D	Trichloroethylene	µg/L	6.8	13	19	17	Y
	Tritium	pCi/mL	9.3E+02	—	2.7E+03	4.8E+03	

**Aquifer Zone IIB<sub>2</sub> (Water Table)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>3Q94</u>	<u>Mod</u>
BGO 48D	Carbon tetrachloride	µg/L	5.5	—	—	—	Y
	Tetrachloroethylene	µg/L	304	68	68	74	Y
	Trichloroethylene	µg/L	300	36	41	39	Y
	Tritium	pCi/mL	8.8E+04	—	1.1E+05	1.5E+05	
BGO 49D	Tritium	pCi/mL	2.1E+01	2.1E+01	2.4E+01	2.7E+01	
BGO 50D	Trichloroethylene	µg/L	11	12	19	8.8	Y
	Tritium	pCi/mL	3.1E+03	—	6.1E+03	3.5E+03	
BGX 1D	Tritium	pCi/mL	3.5E+02	—	3.5E+02	4.7E+02	
BGX 10D	Lead	µg/L	53	—	—	61	Y
BGX 11D	Tritium	pCi/mL	—	—	2.1E+01	2.0E+01	
BGX 12D	Tritium	pCi/mL	—	—	2.0E+01	—	
FSS 1D	Copper	µg/L	NA <sup>b</sup>	1,400	—	—	Y
	Lead	µg/L	NA	119	—	53	Y
FSS 2D	Tritium	pCi/mL	NA	1.8E+02	2.1E+02	2.3E+02	
FSS 3D	Lead	µg/L	NA	—	956	492	Y
	Tritium	pCi/mL	NA	9.7E+01	2.0E+02	2.5E+02	

**Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>3Q94</u>	<u>Mod</u>
BGO 5C	Tritium	pCi/mL	2.5E+01	2.9E+01	2.9E+01	3.1E+01	
BGO 6B	Tritium	pCi/mL	2.5E+01	2.1E+01	2.4E+01	4.4E+01	
BGO 6C	Tritium	pCi/mL	8.8E+02	8.9E+02	9.8E+02	1.3E+03	
BGO 10B	Tritium	pCi/mL	7.8E+01	1.1E+02	—	2.4E+01	
BGO 10C	Tritium	pCi/mL	—	1.1E+02	—	—	
BGO 12CR	Trichloroethylene	µg/L	71	79	82	85	Y
BGO 13DR	Lead	µg/L	—	—	—	50	Y
	Tritium	pCi/mL	2.1E+01	—	—	2.1E+01	
BGO 14CR	Trichloroethylene	µg/L	45	56	52	67	
	Tritium	pCi/mL	3.0E+01	3.0E+01	4.5E+01	4.7E+01	



## Aquifer Zone IIB, (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>3Q94</u>	<u>Mod</u>
BGO 27C	Trichloroethylene	$\mu\text{g/L}$	21	22	26	23	
	Tritium	pCi/mL	6.5E+01	6.6E+01	7.4E+01	7.8E+01	
BGO 29C	Tritium	pCi/mL	1.5E+02	1.9E+02	—	3.1E+02	
BGO 30C	Trichloroethylene	$\mu\text{g/L}$	11	11	9.9	8.9	Y
	Tritium	pCi/mL	7.3E+02	6.2E+02	5.0E+02	4.5E+02	
BGO 31C	Tritium	pCi/mL	3.4E+03	3.1E+03	2.8E+03	2.5E+03	
BGO 33C	Mercury	$\mu\text{g/L}$	2.4	2.8	—	3.4	Y
	Tetrachloroethylene	$\mu\text{g/L}$	—	5.1	5.2	—	JY3
	Trichloroethylene	$\mu\text{g/L}$	22	26	28	27	Y
	Tritium	pCi/mL	8.0E+03	8.2E+03	8.8E+03	1.0E+04	
BGO 35C	Trichloroethylene	$\mu\text{g/L}$	—	—	5.1	—	
	Tritium	pCi/mL	—	—	2.7E+01	2.5E+01	
BGO 42C	Dichloromethane	$\mu\text{g/L}$	10	—	—	—	VY
	Trichloroethylene	$\mu\text{g/L}$	47	36	28	34	Y
BGO 44B	Lead	$\mu\text{g/L}$	—	55	—	—	Y
	Tritium	pCi/mL	2.8E+02	—	6.6E+01	5.6E+01	
BGO 44C	Tritium	pCi/mL	2.9E+02	—	3.2E+02	4.7E+02	
BGO 45C	Tritium	pCi/mL	7.5E+02	7.4E+02	7.3E+02	5.6E+02	
BGO 46B	Tritium	pCi/mL	4.0E+01	—	—	NA	
BGO 46C	Trichloroethylene	$\mu\text{g/L}$	22	24	25	27	Y
	Tritium	pCi/mL	9.0E+01	—	9.8E+01	1.7E+02	
BGO 48C	Trichloroethylene	$\mu\text{g/L}$	5.5	—	—	—	JY3
	Tritium	pCi/mL	3.2E+03	—	3.6E+03	3.7E+03	
BGO 49C	Tritium	pCi/mL	3.5E+01	2.5E+01	3.1E+01	3.2E+01	
BGO 50C	Trichloroethylene	$\mu\text{g/L}$	—	—	11	7.5	Y
	Tritium	pCi/mL	8.5E+01	—	1.0E+02	1.2E+02	
BGX 1C	Tritium	pCi/mL	1.2E+03	1.5E+03	1.6E+03	2.1E+03	
BGX 2D	Trichloroethylene	$\mu\text{g/L}$	12	13	15	15	
	Tritium	pCi/mL	8.6E+01	—	9.7E+01	9.4E+01	
BGX 3D	Trichloroethylene	$\mu\text{g/L}$	—	36	—	—	JY3
	Tritium	pCi/mL	1.2E+03	1.3E+03	1.4E+03	1.4E+03	
BGX 5D	Nonvolatile beta	pCi/L	—	1.5E+02	—	—	Y
	Tritium	pCi/mL	6.1E+01	7.1E+01	7.7E+01	8.9E+01	Y

**Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>3Q94</u>	<u>Mod</u>
BGX 7D	Tritium	pCi/mL	1.4E+03	—	9.0E+02	1.2E+03	
BGX 8DR	Tritium	pCi/mL	9.7E+02	—	1.0E+03	1.1E+03	
HMD 1D	Lead	µg/L	—	—	—	63	Y
	Tritium	pCi/mL	3.1E+01	3.7E+01	3.3E+01	3.3E+01	
HMD 4D	Lead	µg/L	53	—	—	—	Y

**Aquifer Unit IIA (Congaree)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>4Q93</u>	<u>1Q94</u>	<u>2Q94</u>	<u>3Q94</u>	<u>Mod</u>
BGO 9AA	Nonvolatile beta	pCi/L	—	7.8E+01	—	—	
BGO 10AA	Dichloromethane	µg/L	—	—	—	6.8	Y
	Tritium	pCi/mL	—	—	—	2.3E+01	
BGO 12AR	Trichloroethylene	µg/L	5.2	—	—	—	JY3
BGO 50A	Chloroform	µg/L	191	—	—	—	Y

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

<sup>a</sup> — = analyzed but not above final PDWS.

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

**Table D-2. Maximum Levels of Constituents Exceeding Other Flag 2 Criteria**

**Aquifer Zone IIB<sub>2</sub> (Water Table)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q94</u>	<u>Mod</u>
BGO 1D	Aluminum	µg/L	349	
	Iron	µg/L	502	
BGO 2D	Aluminum	µg/L	75	Y
	Chloromethane	µg/L	12	
BGO 3D	Aluminum	µg/L	360	Y
	Iron	µg/L	924	Y
BGO 5D	Aluminum	µg/L	275	Y
BGO 6D	Aluminum	µg/L	867	Y
	Iron	µg/L	563	Y
	Total organic halogens	µg/L	85	Y
BGO 7D	Aluminum	µg/L	52	
	Total organic halogens	µg/L	217	
BGO 8D	Aluminum	µg/L	72	Y
BGO 10DR	Aluminum	µg/L	260	Y
	Iron	µg/L	950	Y
BGO 12D	Aluminum	µg/L	126	Y3
	Total organic halogens	µg/L	82	Y
BGO 14DR	Aluminum	µg/L	88	
	Total organic halogens	µg/L	104	
BGO 15D	Total organic halogens	µg/L	69	
BGO 16D	Aluminum	µg/L	95	Y
	Iron	µg/L	348	Y
BGO 17DR	Aluminum	µg/L	180	Y
	Iron	µg/L	529	Y
BGO 19D	Aluminum	µg/L	54	Y
BGO 21D	Aluminum	µg/L	218	Y
	Iron	µg/L	802	Y
BGO 22DR	Aluminum	µg/L	1,980	Y
	Iron	µg/L	5,050	Y
BGO 24D	Aluminum	µg/L	482	Y
	Iron	µg/L	373	Y
BGO 26D	Aluminum	µg/L	1,040	
	Iron	µg/L	988	

**Aquifer Zone IIB<sub>2</sub> (Water Table)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q94</u>	<u>Mod</u>
BGO 27D	Aluminum	µg/L	620	
	Iron	µg/L	512	
BGO 28D	Aluminum	µg/L	1,100	Y
	1,1-Dichloroethane	µg/L	18	Y
	Iron	µg/L	1,560	Y
	Manganese	µg/L	53	Y
	Total organic halogens	µg/L	649	Y
BGO 29D	Aluminum	µg/L	2,110	Y
	Iron	µg/L	5,790	Y
	Manganese	µg/L	65	Y
BGO 30D	Aluminum	µg/L	394	Y
	1,1-Dichloroethane	µg/L	40	Y
	Iron	µg/L	564	Y
	Manganese	µg/L	90	Y
	Total organic halogens	µg/L	646	Y
BGO 31D	Aluminum	µg/L	341	Y
	Iron	µg/L	1,210	Y
BGO 32D	Aluminum	µg/L	1,900	Y
	Iron	µg/L	5,830	Y
BGO 33D	Aluminum	µg/L	496	Y
	Iron	µg/L	1,580	Y
BGO 34D	Aluminum	µg/L	262	Y
BGO 35D	Aluminum	µg/L	829	Y
	Iron	µg/L	1,710	Y
BGO 36D	Aluminum	µg/L	1,520	Y
	Iron	µg/L	3,210	Y
BGO 37D	Aluminum	µg/L	120	Y
	Iron	µg/L	339	Y
BGO 38D	Aluminum	µg/L	1,110	
	Iron	µg/L	2,780	
BGO 39D	Aluminum	µg/L	257	
	Iron	µg/L	641	
BGO 40D	Aluminum	µg/L	1,320	Y
	Iron	µg/L	2,030	Y
	Lithium	µg/L	216	Y
	Manganese	µg/L	71	Y

**Aquifer Zone IIB<sub>2</sub> (Water Table)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q94</u>	<u>Mod</u>
BGO 46D	Aluminum	µg/L	104	Y
	1,1-Dichloroethane	µg/L	16	Y
	Total organic halogens	µg/L	353	Y
BGO 48D	Aluminum	µg/L	142	Y
	Total organic halogens	µg/L	181	Y
BGO 49D	Aluminum	µg/L	395	Y
	Iron	µg/L	504	Y
BGO 50D	Aluminum	µg/L	99	Y
	Total organic halogens	µg/L	274	Y
BGX 1D	Aluminum	µg/L	802	Y
	Lithium	µg/L	64	Y
	pH	pH	11	JY3
	Specific conductance	µS/cm	1,820	Y
BGX 10D	Aluminum	µg/L	1,180	JY3
	Iron	µg/L	3,900	JVY3
	Manganese	µg/L	63	JY3
BGX 11D	Aluminum	µg/L	2,440	Y
	Iron	µg/L	11,400	VY
BGX 12D	Aluminum	µg/L	442	
	Iron	µg/L	1,330	
FSS 1D	Aluminum	µg/L	2,460	Y
	Iron	µg/L	3,060	VY
	Manganese	µg/L	58	Y
FSS 2D	Aluminum	µg/L	532	Y
	Iron	µg/L	864	VY
FSS 3D	Aluminum	µg/L	2,230	Y
	Iron	µg/L	3,670	VY
	Manganese	µg/L	105	Y
FSS 4D	Aluminum	µg/L	481	Y
	Iron	µg/L	745	VY

**Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q94</u>	<u>Mod</u>
BGO 5C	Aluminum	µg/L	552	Y
	Iron	µg/L	363	Y
BGO 6C	Aluminum	µg/L	93	
BGO 8C	Aluminum	µg/L	63	Y

**Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q94</u>	<u>Mod</u>
BGO 10B	Aluminum	µg/L	124	Y
BGO 10C	Aluminum	µg/L	218	Y
	Iron	µg/L	908	Y
BGO 12CR	Aluminum	µg/L	292	Y
	Total organic halogens	µg/L	56	Y
BGO 13DR	Aluminum	µg/L	84	Y
	Iron	µg/L	334	Y
	Manganese	µg/L	105	Y
BGO 14CR	Aluminum	µg/L	100	
	Total organic halogens	µg/L	59	
BGO 16B	Aluminum	µg/L	94	Y
	Iron	µg/L	452	Y
BGO 27C	Aluminum	µg/L	122	
BGO 29C	Aluminum	µg/L	54	Y
BGO 30C	Aluminum	µg/L	187	Y
	Iron	µg/L	436	Y
BGO 31C	Aluminum	µg/L	58	Y
BGO 33C	Aluminum	µg/L	90	Y
	Total organic halogens	µg/L	121	Y
BGO 42C	Aluminum	µg/L	54	Y
	Iron	µg/L	472	Y
BGO 43CR	Aluminum	µg/L	77	Y
BGO 44B	Aluminum	µg/L	129	Y
	Manganese	µg/L	90	Y
BGO 44C	Aluminum	µg/L	215	
	Iron	µg/L	354	V
	Manganese	µg/L	64	
BGO 45B	pH	pH	10	JY3
BGO 46C	Aluminum	µg/L	108	Y
BGO 50C	Aluminum	µg/L	131	Y
BGX 1C	Aluminum	µg/L	1,640	Y
	Iron	µg/L	3,480	Y
	Manganese	µg/L	51	Y

**Aquifer Zone IIB<sub>1</sub> (Barnwell/McBean)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q94</u>	<u>Mod</u>
BGX 2B	Aluminum	µg/L	100	
BGX 2D	Aluminum	µg/L	94	
BGX 3D	Aluminum	µg/L	58	Y
BGX 5D	Aluminum	µg/L	114	Y
	Manganese	µg/L	300	Y
BGX 7D	pH	pH	11	JY3
BGX 8DR	Aluminum	µg/L	96	Y
HMD 1D	Aluminum	µg/L	3,550	Y
	Iron	µg/L	11,300	Y
	Manganese	µg/L	73	Y
HMD 2D	Aluminum	µg/L	53	Y
HMD 3D	Aluminum	µg/L	87	
	Iron	µg/L	694	
HMD 4D	Aluminum	µg/L	248	Y
	Iron	µg/L	313	Y

**Aquifer Unit IIA (Congaree)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q94</u>	<u>Mod</u>
BGO 6A	Tin	µg/L	25	
BGO 9AA	Aluminum	µg/L	1,010	Y
	Lithium	µg/L	1,300	Y
	pH	pH	12	JY3
	Specific conductance	µS/cm	1,340	Y
BGO 10AA	Aluminum	µg/L	64	Y
BGO 12AR	Aluminum	µg/L	222	Y
BGO 14AR	Aluminum	µg/L	214	
BGO 18A	Specific conductance	µS/cm	1,640	Y
BGO 29A	Aluminum	µg/L	1,230	Y
	Iron	µg/L	914	Y
BGO 43AA	Aluminum	µg/L	87	Y
	Lithium	µg/L	77	Y
BGO 44AA	Aluminum	µg/L	162	
	Lithium	µg/L	56	

**Aquifer Unit IIA (Congaree)**

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>3Q94</u>	<u>Mod</u>
	pH	pH	1.4	J3
	Specific conductance	$\mu\text{S/cm}$	12,800	
BGO 47A	Aluminum	$\mu\text{g/L}$	51	Y
BGO 49A	Aluminum	$\mu\text{g/L}$	555	Y
	Lithium	$\mu\text{g/L}$	51	
	pH	pH	11	J1
	Tin	$\mu\text{g/L}$	403	Y
BGO 50A	Aluminum	$\mu\text{g/L}$	506	Y
	Lithium	$\mu\text{g/L}$	158	Y
	pH	pH	11	JY3
	Specific conductance	$\mu\text{S/cm}$	592	Y

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 (Appendix B).



**Table D-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 <sub>2</sub> )

**FIELD MEASUREMENTS**

Sample date: 08/09/94  
Depth to water: 57.08 ft (17.40 m) below TOC  
Water elevation: 238.02 ft (72.55 m) msl  
Sp. conductance: 51 µS/cm  
Turbidity: 11.0 NTU  
Water evacuated before sampling: 6 gal  
The well went dry during purging.

Time: 11:18  
pH: 4.7  
Alkalinity: 0 mg/L  
Water temperature: 26.1 °C

Volumes purged: 0.7 well volumes

**LABORATORY ANALYSES**

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.7	1	J3	pH	0	WA
		Specific conductance	45	1		µS/cm	0	WA
		Turbidity	9.7	1		NTU	0	WA
		Acetophenone	<10	1		µg/L	0	WA
		Aluminum, total recoverable	349	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	8.8	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	<103	1	JV2	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	1,790	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	6.7	1	J3	µg/L	1	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	4.2	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<43	1	JV2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.1	2.13		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.08		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 1D collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	502	1		µg/L	2	WA
		Lead, total recoverable	5.1	1		µg/L	0	WA
		Lindane	<0.054	1.08		µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	206	1		µg/L	0	WA
		Manganese, total recoverable	8.7	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.54	1.08		µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	3,450	10		µg/L	0	WA
		Nitrate as nitrogen	3,460	10		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	6,180	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	6,670	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	31,000	1	V	µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	8.8	1		µg/L	0	WA
		Total phosphates (as P)	1,710	5		µg/L	0	WA
		Toxaphene	<1.1	1.08		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06		µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1	2.13		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Zinc, total recoverable	16	1		µg/L	0	WA
		Carbon-14	3.8E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.3E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1	J3	pCi/L	0	GP
		Tritium	1.7E+01	1		pCi/mL	1	GP
		Uranium-233/234	2.7E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	3.0E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 2D

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

## FIELD MEASUREMENTS

Sample date: 08/15/94  
 Depth to water: 59.53 ft (18.14 m) below TOC  
 Water elevation: 237.37 ft (72.35 m) msl  
 Sp. conductance: 45 µS/cm  
 Turbidity: 3.3 NTU  
 Water evacuated before sampling: 37 gal

Time: 7:53  
 pH: 4.4  
 Alkalinity: 0 mg/L  
 Water temperature: 20.7 °C

Volumes purged: 3.1 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.7	1	JY3	pH	0	WA
		Specific conductance	4.1	1	Y	µS/cm	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	75	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	19	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	906	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,530	1	Y	µg/L	0	WA
		Chloride	3,340	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.2	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.03	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
•		Fluoride	<100	1	JY3	µg/L	0	WA
•		Fluoride	<100	1	JY3	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 2D collected on 08/15/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	40	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.03	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	913	1	Y	µg/L	0	WA
		Manganese, total recoverable	2.3	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.03	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	2,300	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,250	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,190	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
•		Total dissolved solids	33,000	1	JY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	7.9	1	Y	µg/L	0	WA
		Total phosphates (as P)	233	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.03	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
•		Turbidity	720	1	JY3	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	6.1	1	Y	µg/L	0	WA
		Carbon-14	2.3E+00	1	UI	pCi/L	0	GP
		Gross alpha	3.7E+00	1		pCi/L	0	GP
		Nonvolatile beta	3.6E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1		pCi/L	0	GP
■		Tritium	2.2E+01	1		pCi/mL	2	GP
		Uranium-233/234	7.3E-02	1	UI	pCi/L	0	GP
		Uranium-235	2.4E-02	1	UI	pCi/L	0	GP
		Uranium-238	9.8E-02	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 2D

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

### FIELD MEASUREMENTS

Sample date: 09/06/94  
Depth to water: 59.64 ft (18.18 m) below TOC  
Water elevation: 237.26 ft (72.32 m) msl  
Sp. conductance: 48 µS/cm  
Turbidity: 1.0 NTU  
Water evacuated before sampling: 40 gal

Time: 10:00  
pH: 4.6  
Alkalinity: 0 mg/L  
Water temperature: 20.5 °C

Volumes purged: 3.3 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Benzene	<5.0	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	12	1		µg/L	2	WA
		Chloromethane (Methyl chloride)	12	1		µg/L	2	WA
		Chloromethane (Methyl chloride)	10.0	1		µg/L	1	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 2D collected on 09/06/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		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)	<5.0	1	V	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		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	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		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	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		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	<5.0	1		µg/L	0	WA
		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	0	WA
		Trichloroethylene	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>2</sub> )
E58809.2	81.658312 °W					

### FIELD MEASUREMENTS

Sample date: 08/16/94  
Depth to water: 58.26 ft (17.76 m) below TOC  
Water elevation: 234.44 ft (71.46 m) msl  
Sp. conductance: 57 µS/cm  
Turbidity: 27.3 NTU  
Water evacuated before sampling: 3 gal  
The well went dry during purging.

Time: 8:02  
pH: 4.4  
Alkalinity: 0 mg/L  
Water temperature: 24.3 °C

Volumes purged: 0.7 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.5	1	JY3	pH	0	WA
		Specific conductance	50	1	Y	µS/cm	0	WA
•		Turbidity	33	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	360	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	7.1	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	90	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	5.010	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.4	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	6.5	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
•		Fluoride	<100	1	JY3	µg/L	0	WA
		Iron, total recoverable	924	1	Y	µg/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 3D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	3.4	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	283	1	VY	µg/L	0	WA
		Manganese, total recoverable	14	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	2,320	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	4,780	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,510	1	Y	µg/L	0	WA
		Sulfate	2,010	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	<1,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	29	1	Y	µg/L	1	WA
		Total phosphates (as P)	174	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		1,1,1-Trichloroethane	1.3	1	JY3	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	16	1	Y	µg/L	0	WA
		Carbon-14	3.7E+01	1	J3	pCi/L	0	GP
		Gross alpha	5.5E+00	1		pCi/L	0	GP
		Nonvolatile beta	5.5E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1	J3	pCi/L	0	GP
■		Tritium	4.5E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.0E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	2.6E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



## 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	S	Water Table (IIB <sub>2</sub> )
E58803.7	81.659878 °W					

### FIELD MEASUREMENTS

Sample date: 08/16/94 Time: 13:21  
No water evacuated before sampling.  
Inaccessibility or pump failure prevented sample collection.

## WELL BGO 5C

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

### FIELD MEASUREMENTS

Sample date: 08/02/94 Time: 7:04  
Depth to water: 80.91 ft (24.66 m) below TOC pH: 6.3  
Water elevation: 215.19 ft (65.59 m) msl Alkalinity: 8 mg/L  
Sp. conductance: 48 µS/cm Water temperature: 20.2 °C  
Turbidity: 11.1 NTU  
Water evacuated before sampling: 17 gal Volumes purged: 0.8 well volumes  
The well went dry during purging.

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	JY3	pH	0	WA
		Specific conductance	37	1	Y	µS/cm	0	WA
		Turbidity	190	1	Y3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	552	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	13	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	4,560	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,260	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.5	1	JY3	µg/L	0	WA
		Chromium, total recoverable	7.5	1	Y	µg/L	0	WA
		Copper, total recoverable	6.8	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 5C collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	JY1	µg/L	0	WA
•		Endrin	<0.11	1.09	JY3	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	363	1	Y	µg/L	2	WA
		Lead, total recoverable	3.6	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	JY1	µg/L	0	WA
•		Lindane	<0.055	1.09	JY3	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	358	1	VY	µg/L	0	WA
		Manganese, total recoverable	16	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	JY1	µg/L	0	WA
•		Methoxychlor	<0.55	1.09	JY3	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	4.1	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,190	10	Y	µg/L	0	WA
		Nitrate as nitrogen	1,190	10	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	10,700	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,620	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	50,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	13	1.33	Y	µg/L	0	WA
		Total phosphates (as P)	0.17	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	JY1	µg/L	0	WA
•		Toxaphene	<1.1	1.09	JY3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	38	1	Y	µg/L	0	WA
		Carbon-14	-8.9E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 5C collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Gross alpha	9.0E-01	1	J3	pCi/L	0	GP
		Nonvolatile beta	6.3E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1	J3	pCi/L	0	GP
■		Tritium	3.1E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	5.4E-02	1	UI	pCi/L	0	GP

## WELL BGO 5D

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

## FIELD MEASUREMENTS

Sample date: 08/02/94  
Depth to water: 65.85 ft (20.07 m) below TOC  
Water elevation: 230.45 ft (70.24 m) msl  
Sp. conductance: 40 µS/cm  
Turbidity: 3.4 NTU  
Water evacuated before sampling: 5 gal  
The well went dry during purging.

Time: 7:27  
pH: 4.8  
Alkalinity: 0 mg/L  
Water temperature: 24.2 °C

Volumes purged: 0.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1	JY3	pH	0	WA
		Specific conductance	35	1	Y	µS/cm	0	WA
		Turbidity	23	1	Y3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
•		Acetophenone	<10	1	JY3	µg/L	0	WA
		Aluminum, total recoverable	275	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	45	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	690	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	4,570	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	1.8	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	11	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 5D collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	J	µg/L	0	WA
•		Endrin	<0.11	1.08	JY3	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	258	1	Y	µg/L	1	WA
■		Lead, total recoverable	132	5	Y	µg/L	2	WA
		Lindane	<0.052	1.04	JY1	µg/L	0	WA
•		Lindane	<0.054	1.08	JY3	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	748	1	VY	µg/L	0	WA
		Manganese, total recoverable	24	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	JY1	µg/L	0	WA
•		Methoxychlor	<0.54	1.08	JY3	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,340	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,750	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,280	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	158,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	17	1.33	Y	µg/L	0	WA
		Total phosphates (as P)	0.18	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	JY1	µg/L	0	WA
•		Toxaphene	<1.1	1.08	JY3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	17	1	Y	µg/L	0	WA
		Carbon-14	1.1E+01	1	J3	pCi/L	0	GP
		Gross alpha	7.5E+00	1		pCi/L	0	GP
		Nonvolatile beta	6.4E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	4.4E+00	1		pCi/L	0	GP
■		Tritium	3.0E+01	1		pCi/mL	2	GP

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WELL BGO 5D collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Uranium-233/234	8.4E-02	1	UI	pCi/L	0	GP
		Uranium-235	-1.2E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.9E-01	1	UI	pCi/L	0	GP

## WELL BGO 6A

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

## FIELD MEASUREMENTS

Sample date: 08/01/94  
Depth to water: 126.93 ft (38.69 m) below TOC  
Water elevation: 158.67 ft (48.36 m) msl  
Sp. conductance: 311 µS/cm  
Turbidity: 0.6 NTU  
Water evacuated before sampling: 127 gal

Time: 13:31  
pH: 7.5  
Alkalinity: 130 mg/L  
Water temperature: 20.3 °C

Volumes purged: 3.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.5	1	J3	pH	0	WA
		Specific conductance	298	1		µS/cm	1	WA
•		Turbidity	0.51	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	<20	1		µg/L	0	WA
		Aluminum, total recoverable	24	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	2.2	1		µg/L	0	WA
		Arsenic, total recoverable	2.4	1		µg/L	0	WA
		Barium, total recoverable	38	1		µg/L	0	WA
		Barium, total recoverable	37	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	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	WA
		Calcium, total recoverable	52,200	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,740	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	1.3	1	J3	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	WA

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WELL BGO 6A collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.10	1.04		µg/L	0	WA
		Endrin	<0.21	2.06		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	<55	1	JV2	µg/L	0	WA
		Iron, total recoverable	<55	1	JV2	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	<0.052	1.04		µg/L	0	WA
		Lindane	<0.10	2.06		µg/L	0	WA
		Lithium, total recoverable	7.6	1	J3	µg/L	0	WA
		Lithium, total recoverable	6.1	1	3	µg/L	0	WA
		Magnesium, total recoverable	1,260	1		µg/L	0	WA
		Magnesium, total recoverable	1,250	1		µg/L	0	WA
		Manganese, total recoverable	3.7	1		µg/L	0	WA
		Manganese, total recoverable	3.8	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.52	1.04		µg/L	0	WA
		Methoxychlor	<1.0	2.06		µg/L	0	WA
		Methoxychlor	<1.0	2.06		µg/L	0	WA
		Naphthalene	<10	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
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	619	1		µg/L	0	WA
		Potassium, total recoverable	582	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	37,600	2.1	V	µg/L	0	WA
		Silica, total recoverable	36,300	2.1	V	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	1,950	1		µg/L	0	WA
		Sodium, total recoverable	1,920	1		µg/L	0	WA
		Sulfate	8,930	2.5		µg/L	0	WA
		Sulfate	8,990	2.5		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	25	1		µg/L	2	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	205,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 6A collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic halogens	<6.7	1.33		µg/L	0	WA
		Total phosphates (as P)	96	1		µg/L	0	WA
		Total phosphates (as P)	99	1		µg/L	0	WA
		Toxaphene	<1.0	1.04		µg/L	0	WA
		Toxaphene	<2.1	2.06		µg/L	0	WA
		Toxaphene	<2.1	2.06		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	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	<5.0	1		µg/L	0	WA
		Zinc, total recoverable	<49	1	JV2	µg/L	0	WA
		Zinc, total recoverable	<49	1	JV2	µg/L	0	WA
		Carbon-14	7.0E+00	1	UI	pCi/L	0	GP
		Gross alpha	7.1E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.0E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
		Tritium	2.7E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	2.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	-1.4E-02	1	UI	pCi/L	0	GP
		Uranium-238	9.9E-02	1	UI	pCi/L	0	GP

WELL BGO 6B

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

FIELD MEASUREMENTS

Sample date: 08/02/94  
Depth to water: 68.85 ft (20.99 m) below TOC  
Water elevation: 217.95 ft (66.43 m) msl  
Sp. conductance: 185 µS/cm  
Turbidity: 1.7 NTU  
Water evacuated before sampling: 41 gal  
The well went dry during purging.

Time: 8:37  
pH: 8.9  
Alkalinity: 70 mg/L  
Water temperature: 20.3 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.7	1	J3	pH	1	WA
		Specific conductance	169	1		µS/cm	0	WA
		Turbidity	1.1	1	3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	41	1		µg/L	1	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	74	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 6B collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	30,100	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,690	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	1.5	1	J3	µg/L	0	WA
		Chromium, 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	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.10	1.04	J1	µg/L	0	WA
•		Endrin	<0.10	1.04	J3	µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	94	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.052	1.04	J1	µg/L	0	WA
•		Lindane	<0.052	1.04	J3	µg/L	0	WA
		Lithium, total recoverable	38	1		µg/L	1	WA
		Magnesium, total recoverable	772	1	V	µg/L	0	WA
		Manganese, total recoverable	<2.0	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.52	1.04	J1	µg/L	0	WA
•		Methoxychlor	<0.52	1.04	J3	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	554	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	3,190	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	17,500	2.1	V	µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	5,790	1	V	µg/L	0	WA
		Sulfate	4,940	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	50,000	1		µg/L	0	WA
		Total dissolved solids	48,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 6B collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic halogens	7.6	1		µg/L	0	WA
		Total phosphates (as P)	0.15	1		µg/L	0	WA
		Toxaphene	<1.0	1.04	J1	µg/L	0	WA
•		Toxaphene	<1.0	1.04	J3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	1.0E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J3	pCi/L	0	GP
■		Tritium	4.4E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	1.9E-01	1	UI	pCi/L	0	GP

WELL BGO 6C

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

FIELD MEASUREMENTS

Sample date: 08/01/94  
Depth to water: 65.80 ft (20.06 m) below TOC  
Water elevation: 219.80 ft (67.00 m) msl  
Sp. conductance: 141 µS/cm  
Turbidity: 0.3 NTU  
Water evacuated before sampling: 110 gal

Time: 13:57  
pH: 7.4  
Alkalinity: 52 mg/L  
Water temperature: 21.0 °C

Volumes purged: 2.7 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.4	1	J3	pH	0	WA
		Specific conductance	121	1		µS/cm	0	WA
•		Turbidity	0.48	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	93	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	15	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	28,200	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,400	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 6C collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	1.4	1	J3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	33	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.06		µg/L	0	WA
•		Endrin	<0.10	1.04	J3	µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	24	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.053	1.06		µg/L	0	WA
•		Lindane	<0.052	1.04	J3	µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	529	1	V	µg/L	0	WA
		Manganese, total recoverable	<2.0	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.06		µg/L	0	WA
•		Methoxychlor	<0.52	1.04	J3	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	928	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	10,900	2.1	V	µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,040	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
•		Total dissolved solids	69,000	1	J3	µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	9.3	1		µg/L	0	WA
		Total phosphates (as P)	0.20	1		µg/L	0	WA
		Toxaphene	<1.1	1.06		µg/L	0	WA
•		Toxaphene	<1.0	1.04	J3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 6C collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		Trichloroethylene	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Zinc, total recoverable	12	1		µg/L	0	WA
		Carbon-14	5.4E+00	1	UI	pCi/L	0	GP
		Gross alpha	6.0E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	6.5E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1	J3	pCi/L	0	GP
		Total activity	1.2E+06	1		pCi/L	0	EM
■		Tritium	1.3E+03	1		pCi/mL	2	GP
		Uranium-233/234	3.5E-02	1	UI	pCi/L	0	GP
		Uranium-235	-5.5E-03	1	UI	pCi/L	0	GP
		Uranium-238	4.0E-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 <sub>2</sub> )
E58297.1	81.661867 °W					

FIELD MEASUREMENTS

Sample date: 08/02/94  
Depth to water: 54.56 ft (16.63 m) below TOC  
Water elevation: 230.94 ft (70.39 m) msl  
Sp. conductance: 135 µS/cm  
Turbidity: 5.1 NTU  
Water evacuated before sampling: 8 gal  
The well went dry during purging.

Time: 8:01  
pH: 6.3  
Alkalinity: 43 mg/L  
Water temperature: 20.2 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.8	1	JY3	pH	0	WA
		Specific conductance	158	1	Y	µS/cm	0	WA
•		Turbidity	12	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
•		Acetophenone	<11	1.1	JY3	µg/L	0	WA
		Aluminum, total recoverable	867	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	29	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	24,100	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,280	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 6D collected on 08/02/94, laboratory analyses (cont.)

H	SI	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	1.1	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	3.3	1	JY3	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
■		1,1-Dichloroethylene	7.9	1	Y	µg/L	2	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	2.1	1	JY3	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.01	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	563	1	Y	µg/L	2	WA
		Lead, total recoverable	19	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,080	1	Y	µg/L	0	WA
		Manganese, total recoverable	21	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	583	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	572	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	12,000	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,460	1	Y	µg/L	0	WA
		Sulfate	2,940	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
■		Tetrachloroethylene	6.6	1	Y	µg/L	2	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	95,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	85	1	Y	µg/L	2	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.01	Y	µg/L	0	WA
		1,1,1-Trichloroethane	2.5	1	JY3	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	75	1	Y	µg/L	2	WA
		Trichlorofluoromethane	5.0	1	Y	µg/L	1	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	30	1	VY	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 6D collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Carbon-14	1.8E+01	1	J	pCi/L	0	GP
		Gross alpha	2.3E+00	1	J3	pCi/L	0	GP
		Gross alpha	1.2E+00	1	UI	pCi/L	0	GP
		Nonvolatile beta	2.5E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	5.2E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1	J3	pCi/L	0	GP
		Total activity	5.1E+06	10		pCi/L	0	EM
	■	Tritium	3.8E+03	1		pCi/mL	2	GP
		Uranium-233/234	3.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	-2.8E-01	1	UI	pCi/L	0	GP
		Uranium-238	2.8E-01	1	UI	pCi/L	0	GP

WELL BGO 7D

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

FIELD MEASUREMENTS

Sample date: 08/01/94  
Depth to water: 55.39 ft (16.88 m) below TOC  
Water elevation: 231.61 ft (70.60 m) msl  
Sp. conductance: 33 µS/cm  
Turbidity: 2.4 NTU  
Water evacuated before sampling: 177 gal

Time: 10:25  
pH: 4.8  
Alkalinity: 0 mg/L  
Water temperature: 19.9 °C

Volumes purged: 23.6 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1	J3	pH	0	WA
		Specific conductance	27	1		µS/cm	0	WA
•		Turbidity	0.68	1	J3	NTU	0	WA
•		Turbidity	0.69	1	J3	NTU	0	WA
		Acetophenone	<11	1,1		µg/L	0	WA
		Aluminum, total recoverable	52	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	7.2	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	768	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,830	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	5.2	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 7D collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chromium, 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	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	2.6	1	J3	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	2.0	1	J3	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.02		µg/L	0	WA
•		2,4-Dichlorophenoxyacetic acid	<1.1	1.08	J3	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.08	J1	µg/L	0	WA
•		Endrin	<0.11	1.05	J3	µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	27	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.054	1.08	J1	µg/L	0	WA
•		Lindane	<0.053	1.05	J3	µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	512	1	V	µg/L	0	WA
		Manganese, total recoverable	13	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.54	1.08	J1	µg/L	0	WA
•		Methoxychlor	<0.53	1.05	J3	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	962	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	8,080	2.1	V	µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,520	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
■		Tetrachloroethylene	11	1		µg/L	2	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	31,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	217	2		µg/L	2	WA
		Total phosphates (as P)	0.21	1		µg/L	0	WA
		Toxaphene	<1.1	1.08	J1	µg/L	0	WA
•		Toxaphene	<1.0	1.05	J3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02		µg/L	0	WA
•		2,4,5-TP (Silvex)	<0.54	1.08	J3	µg/L	0	WA
		1,1,1-Trichloroethane	1.0	1	J	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
■		Trichloroethylene	193	1		µg/L	2	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 7D collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Zinc, total recoverable	4.8	1		µg/L	0	WA
		Carbon-14	8.1E+00	1	UI3	pCi/L	0	GP
		Gross alpha	2.3E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J3	pCi/L	0	GP
		Total activity	8.2E+04	10		pCi/L	0	EM
■		Tritium	9.0E+02	1		pCi/mL	2	GP
		Uranium-233/234	1.9E-01	1	UI	pCi/L	0	GP
		Uranium-235	6.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	<0.0E+00	1	I	pCi/L	0	GP

WELL BGO 8AR

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

FIELD MEASUREMENTS

Sample date: 08/01/94  
Depth to water: 125.26 ft (38.18 m) below TOC  
Water elevation: 161.34 ft (49.18 m) msl  
Sp. conductance: 255 µS/cm  
Turbidity: 0.3 NTU  
Water evacuated before sampling: 152 gal

Time: 9:13  
pH: 7.8  
Alkalinity: 48 mg/L  
Water temperature: 20.3 °C

Volumes purged: 3.5 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.9	1	J3	pH	0	WA
		Specific conductance	238	1		µS/cm	0	WA
•		Turbidity	0.39	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	<20	1		µg/L	0	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	20	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	41,500	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,690	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA

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WELL BGO 8AR collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
•		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	J3	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.05		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	<55	1	JV2	µg/L	0	WA
		Lead, total recoverable	4.8	1		µg/L	0	WA
		Lindane	<0.053	1.05		µg/L	0	WA
		Lithium, total recoverable	8.8	1		µg/L	0	WA
		Magnesium, total recoverable	1,050	1		µg/L	0	WA
		Manganese, total recoverable	11	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.05		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	<20	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	1,120	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	29,300	2.1	V	µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,830	1		µg/L	0	WA
		Sulfate	7,860	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	171,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	<6.7	1.33		µg/L	0	WA
		Total phosphates (as P)	2,350	5		µg/L	0	WA
		Toxaphene	<1.0	1.05		µg/L	0	WA
•		2,4,5-TP (Silvex)	<0.52	1.04	J3	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Zinc, total recoverable	<49	1	JV2	µg/L	0	WA
		Carbon-14	1.6E+00	1	UI	pCi/L	0	GP
		Gross alpha	4.9E-03	1	UI	pCi/L	0	GP
		Nonvolatile beta	7.5E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Tritium	3.9E-01	1	UI	pCi/mL	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 8AR collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Uranium-233/234	1.4E-01	1	UI	pCi/L	0	GP
		Uranium-235	-1.0E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.5E-01	1	UI	pCi/L	0	GP

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 <sub>1</sub> )

FIELD MEASUREMENTS

Sample date: 08/01/94  
Depth to water: 64.89 ft (19.78 m) below TOC  
Water elevation: 223.01 ft (67.97 m) msl  
Sp. conductance: 120 µS/cm  
Turbidity: 1.1 NTU  
Water evacuated before sampling: 186 gal

Time: 9:42  
pH: 7.0  
Alkalinity: 36 mg/L  
Water temperature: 20.4 °C

Volumes purged: 5.8 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.1	1	JY3	pH	0	WA
		Specific conductance	102	1	Y	µS/cm	0	WA
•		Turbidity	0.99	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	63	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	8.2	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	17,200	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,360	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA

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WELL BGO 8C collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	<55	1	JVY2	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	9.1	1	Y	µg/L	0	WA
		Magnesium, total recoverable	355	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	818	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	592	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	12,000	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,350	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	71,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	151	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	<49	1	JVY2	µg/L	0	WA
		Carbon-14	3.1E+01	1	J3	pCi/L	0	GP
		Gross alpha	2.4E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	9.9E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	-2.0E-01	1	UI	pCi/L	0	GP
		Tritium	2.0E+00	1		pCi/mL	0	GP
		Uranium-233/234	2.0E-01	1	UI	pCi/L	0	GP
		Uranium-235	-9.0E-03	1	UI	pCi/L	0	GP
		Uranium-238	2.1E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>2</sub> )
E57617.8	81.663853 °W					

## FIELD MEASUREMENTS

Sample date: 08/01/94  
Depth to water: 56.06 ft (17.09 m) below TOC  
Water elevation: 231.74 ft (70.64 m) msl  
Sp. conductance: 32 µS/cm  
Turbidity: 1.0 NTU  
Water evacuated before sampling: 70 gal

Time: 8:42  
pH: 4.9  
Alkalinity: 0 mg/L  
Water temperature: 20.5 °C  
Volumes purged: 9.6 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	JY3	pH	0	WA
		Specific conductance	27	1	Y	µS/cm	0	WA
•		Turbidity	0.50	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	72	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	11	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	744	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,320	1	Y	µg/L	0	WA
		Chloride	2,270	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	1.9	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 8D collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	68	1	VY	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	7.1	1	Y	µg/L	0	WA
		Magnesium, total recoverable	464	1	Y	µg/L	0	WA
		Manganese, total recoverable	9.2	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	990	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,620	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,620	1	Y	µg/L	0	WA
		Sulfate	1,130	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	26,000	1	Y	µg/L	0	WA
		Total dissolved solids	23,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	9.2	1	Y	µg/L	0	WA
		Total organic halogens	6.7	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	1.8	1	JY3	µg/L	0	WA
		Trichlorofluoromethane	5.1	1	Y	µg/L	1	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	<49	1	JVY2	µg/L	0	WA
		Carbon-14	4.1E+01	1	J3	pCi/L	0	GP
		Gross alpha	1.8E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J3	pCi/L	0	GP
		Tritium	1.8E+01	1		pCi/mL	1	GP
		Uranium-233/234	2.8E-01	1	UI	pCi/L	0	GP
		Uranium-235	9.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.9E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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: 08/03/94  
Depth to water: 127.50 ft (38.86 m) below TOC  
Water elevation: 157.30 ft (47.95 m) msl  
Sp. conductance: 4360 µS/cm  
Turbidity: 1.0 NTU  
Water evacuated before sampling: 44 gal  
The well went dry during purging.

Time: 7:57  
pH: 12.2  
Alkalinity: 1109 mg/L  
Water temperature: 20.3 °C  
Volumes purged: 0.8 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	12	1	JY3	pH	2	WA
		Specific conductance	1,340	1	Y	µS/cm	2	WA
		Turbidity	46	1	Y3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	1,010	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	474	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	256,000	5	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,160	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	6.3	1	JY3	µg/L	1	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	5.8	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<60	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.05	Y	µg/L	0	WA
		Endrin	<0.21	2.11	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 9AA collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	<37	1	JVY2	µg/L	0	WA
		Lead, total recoverable	34	1	Y	µg/L	1	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lindane	<0.11	2.11	Y	µg/L	0	WA
		Lithium, total recoverable	1,300	1	Y	µg/L	2	WA
		Magnesium, total recoverable	19	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Methoxychlor	<1.1	2.11	Y	µg/L	0	WA
		Methoxychlor	<1.1	2.11	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	52	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	116,000	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	4,100	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	57,400	1	VY	µg/L	0	WA
		Sulfate	11,400	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	1.9	1	JY3	µg/L	0	WA
		Total dissolved solids	385,000	1	Y	µg/L	0	WA
		Total organic carbon	6,900	1	Y	µg/L	1	WA
		Total organic carbon	6,900	1	Y	µg/L	1	WA
		Total organic halogens	13	1	Y	µg/L	0	WA
		Total phosphates (as P)	678	2	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA
		Toxaphene	<2.1	2.11	Y	µg/L	0	WA
		Toxaphene	<2.1	2.11	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	2.9E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.4E+01	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.3E+00	1		pCi/L	0	GP
		Tritium	3.9E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	5.1E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	-1.2E-02	1	UI	pCi/L	0	GP

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# WELL BGO 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
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 <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/02/94  
Depth to water: 55.51 ft (16.92 m) below TOC  
Water elevation: 229.59 ft (69.98 m) msl  
Sp. conductance: 32 µS/cm  
Turbidity: 1.2 NTU  
Water evacuated before sampling: 34 gal

Time: 14:14  
pH: 4.8  
Alkalinity: 0 mg/L  
Water temperature: 21.9 °C

Volumes purged: 2.5 well volumes

## LABORATORY ANALYSES

H	SI	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1	JY3	pH	0	WA
		Specific conductance	28	1	Y	µS/cm	0	WA
•		Turbidity	1.0	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	35	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	11	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,200	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,260	1	Y	µg/L	0	WA
		Chloride	2,290	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
■		Dichloromethane (Methylene chloride)	8.8	1	Y	µg/L	2	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 9D collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	77	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	500	1	Y	µg/L	0	WA
		Manganese, total recoverable	21	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,400	10	Y	µg/L	0	WA
		Nitrate as nitrogen	1,370	10	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,930	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,930	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	<5,000	1	JVY2	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	9.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	<19	1	JVY2	µg/L	0	WA
		Carbon-14	3.7E+01	1	J3	pCi/L	0	GP
		Gross alpha	2.8E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	2.2E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J3	pCi/L	0	GP
		Total activity	1.4E+05	1		pCi/L	0	EM
■		Tritium	2.5E+02	1		pCi/mL	2	GP
		Uranium-233/234	2.9E-02	1	UI	pCi/L	0	GP
		Uranium-235	-7.3E-03	1	UI	pCi/L	0	GP
		Uranium-238	1.6E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



## 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: 08/02/94  
Depth to water: 143.59 ft (43.77 m) below TOC  
Water elevation: 157.11 ft (47.89 m) msl  
Sp. conductance: 201 µS/cm  
Turbidity: 1.6 NTU  
Water evacuated before sampling: 165 gal

Time: 12:26  
pH: 7.5  
Alkalinity: 82 mg/L  
Water temperature: 20.3 °C

Volumes purged: 3.3 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.4	1	J1	pH	0	GE
•		pH	7.4	1	J1	pH	0	GE
•		pH	7.4	1	JY1	pH	0	GE
•		pH	7.3	1	JY3	pH	0	WA
•		pH	7.3	1	JY3	pH	0	WA
		Specific conductance	196	1		µS/cm	0	GE
		Specific conductance	194	1	Y	µS/cm	0	GE
		Specific conductance	186	1	Y	µS/cm	0	WA
		Specific conductance	179	1	Y	µS/cm	0	WA
		Turbidity	0.81	1		NTU	0	GE
		Turbidity	0.75	1		NTU	0	GE
		Turbidity	1.4	1	Y	NTU	0	GE
•		Turbidity	0.82	1	JY3	NTU	0	WA
•		Turbidity	1.4	1	JY3	NTU	0	WA
		Acetophenone	<9.8	1		µg/L	0	GE
		Acetophenone	<9.8	1	Y	µg/L	0	GE
		Acetophenone	<10	1	Y	µg/L	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	64	1	Y	µg/L	2	WA
		Aluminum, total recoverable	60	1	Y	µg/L	2	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	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	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	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	46	1		µg/L	0	GE
		Barium, total recoverable	45	1		µg/L	0	GE
		Barium, total recoverable	47	1	Y	µg/L	0	WA
		Barium, total recoverable	47	1	Y	µg/L	0	WA
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1	Y	µg/L	0	GE
		Benzene	<5.0	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 10AA collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1	Y	µg/L	0	GE
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1	Y	µg/L	0	GE
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1	Y	µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	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	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	37,300	1		µg/L	0	GE
		Calcium, total recoverable	37,000	1		µg/L	0	GE
		Calcium, total recoverable	34,200	1	VY	µg/L	0	WA
		Calcium, total recoverable	36,200	1	VY	µg/L	0	WA
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1	Y	µg/L	0	GE
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,360	1		µg/L	0	GE
		Chloride	2,350	1		µg/L	0	GE
		Chloride	2,350	1	Y	µg/L	0	GE
		Chloride	2,820	2	Y	µg/L	0	WA
		Chloride	2,790	2	Y	µg/L	0	WA
		Chloride	2,780	1	Y	µg/L	0	WA
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1	Y	µg/L	0	GE
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1	Y	µg/L	0	GE
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1	Y	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE

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WELL BGO 10AA collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2-Chloroethyl vinyl ether	<1.0	1	Y	µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1	Y	µg/L	0	GE
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1	Y	µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	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	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	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	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1	Y	µg/L	0	GE
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1	Y	µg/L	0	GE
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1	Y	µg/L	0	GE
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1	Y	µg/L	0	GE
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1	Y	µg/L	0	GE
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1	Y	µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA

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WELL BGO 10AA collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1	Y	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<20	1	JVY2	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
■		Dichloromethane (Methylene chloride)	6.8	1	Y	µg/L	2	WA
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1	Y	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08	Y	µg/L	0	WA
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1	Y	µg/L	0	GE
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1	Y	µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1	Y	µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
●		Endrin	<0.0060	1	J1	µg/L	0	GE
		Endrin	<0.0060	1	Y	µg/L	0	GE
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1	Y	µg/L	0	GE
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<20	1		µg/L	0	GE
		Fluoride	<20	1		µg/L	0	GE
		Fluoride	<20	1	Y	µg/L	0	GE
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	64	1		µg/L	0	GE
		Iron, total recoverable	53	1		µg/L	0	GE
		Iron, total recoverable	68	1	Y	µg/L	0	WA
		Iron, total recoverable	88	1	Y	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	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
●		Lindane	<0.0050	1	J1	µg/L	0	GE
		Lindane	<0.0050	1	Y	µg/L	0	GE

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WELL BGO 10AA collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lithium, total recoverable	23	1		µg/L	0	GE
		Lithium, total recoverable	23	1		µg/L	0	GE
		Lithium, total recoverable	21	1	Y	µg/L	0	WA
		Lithium, total recoverable	19	1	Y	µg/L	0	WA
		Magnesium, total recoverable	792	1		µg/L	0	GE
		Magnesium, total recoverable	793	1		µg/L	0	GE
		Magnesium, total recoverable	754	1	VY	µg/L	0	WA
		Magnesium, total recoverable	771	1	VY	µg/L	0	WA
		Manganese, total recoverable	5.5	1		µg/L	0	GE
		Manganese, total recoverable	5.5	1		µg/L	0	GE
		Manganese, total recoverable	6.7	1	Y	µg/L	0	WA
		Manganese, total recoverable	6.8	1	Y	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	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.50	1	J1	µg/L	0	GE
		Methoxychlor	<0.50	1	Y	µg/L	0	GE
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<9.8	1		µg/L	0	GE
		Naphthalene	<9.8	1	Y	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	Y	µg/L	0	WA
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	<20	1	Y	µg/L	0	WA
		Nitrate as nitrogen	<20	1	Y	µg/L	0	WA
		Nitrate-nitrite as nitrogen	<50	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1	Y	µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1	Y	µg/L	0	GE
		Phenols	<5.0	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	2,820	1		µg/L	0	GE
		Potassium, total recoverable	2,770	1		µg/L	0	GE
		Potassium, total recoverable	2,600	1	Y	µg/L	0	WA
		Potassium, total recoverable	2,650	1	Y	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	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	29,500	1		µg/L	0	GE
		Silica, total recoverable	29,600	1		µg/L	0	GE
		Silica, total recoverable	27,200	2.1	Y	µg/L	0	WA
		Silica, total recoverable	29,900	2.1	Y	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	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,820	1		µg/L	0	GE
		Sodium, total recoverable	2,800	1		µg/L	0	GE
		Sodium, total recoverable	2,760	1	VY	µg/L	0	WA

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WELL BGO 10AA collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sodium, total recoverable	3,060	1	VY	µg/L	0	WA
		Sulfate	6,420	1		µg/L	0	GE
		Sulfate	6,460	1		µg/L	0	GE
		Sulfate	6,420	1	Y	µg/L	0	GE
		Sulfate	7,690	1	Y	µg/L	0	WA
		Sulfate	6,780	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1	Y	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1	Y	µg/L	0	GE
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	5.0	1		µg/L	0	GE
		Tin, total recoverable	5.8	1		µg/L	0	GE
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<1.0	1	Y	µg/L	0	GE
		Toluene	<5.0	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	134,000	1		µg/L	0	GE
		Total dissolved solids	138,000	1	Y	µg/L	0	GE
		Total dissolved solids	126,000	1	Y	µg/L	0	WA
		Total dissolved solids	122,000	1	Y	µg/L	0	WA
		Total organic carbon	1,410	1	J3	µg/L	0	GE
		Total organic carbon	1,300	1	JY3	µg/L	0	GE
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	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	Y	µg/L	0	GE
		Total organic halogens	5.9	1	Y	µg/L	0	WA
		Total organic halogens	9.2	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	GE
		Total phosphates (as P)	206	1	Y	µg/L	0	GE
		Total phosphates (as P)	759	2	Y	µg/L	0	WA
		Total phosphates (as P)	653	2	Y	µg/L	0	WA
		Toxaphene	<0.24	1	J1	µg/L	0	GE
		Toxaphene	<0.24	1	Y	µg/L	0	GE
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1	Y	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA

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WELL BGO 10AA collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1	Y	µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<1.0	1	Y	µg/L	0	GE
		Trichloroethylene	1.8	1	JY3	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1	Y	µg/L	0	GE
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		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	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1	Y	µg/L	0	GE
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	9.6E-01	1	J3	pCi/L	0	GP
		Gross alpha	1.3E+00	1	J3	pCi/L	0	GP
		Gross alpha	0.0E+00	1	UI	pCi/L	0	TM
		Gross alpha	5.0E-01	1	UI	pCi/L	0	TM
		Nonvolatile beta	1.9E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1		pCi/L	0	TM
		Nonvolatile beta	1.3E+00	1	J1	pCi/L	0	TM
		Radium-226	1.5E-01	1	J1	pCi/L	0	TM
		Radium-226	2.0E-02	1	UI	pCi/L	0	TM
		Radium-228	1.2E+00	1	JV1	pCi/L	0	TM
		Radium-228	3.0E-01	1	UIV	pCi/L	0	TM
		Radium, total alpha-emitting	5.0E-01	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	UI	pCi/L	0	GP
		Tritium	2.1E-01	1	UI	pCi/mL	0	GP
		Tritium	3.5E-01	1	UI	pCi/mL	0	GP
■		Tritium	2.3E+01	1		pCi/mL	2	TM
		Tritium	1.6E+01	1		pCi/mL	1	TM
		Uranium-233/234	8.4E-02	1	UI	pCi/L	0	CN
		Uranium-233/234	1.0E-01	1	UI	pCi/L	0	CN
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	CN
		Uranium-235	-2.2E-02	1	UI	pCi/L	0	CN
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-235	6.8E-02	1	UI	pCi/L	0	GP

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WELL BGO 10AA collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Uranium-238	1.1E-01	1	UI	pCi/L	0	CN
		Uranium-238	2.4E-02	1	UI	pCi/L	0	CN
		Uranium-238	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	6.8E-02	1	UI	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: 08/03/94  
Depth to water: 142.86 ft (43.54 m) below TOC  
Water elevation: 157.64 ft (48.05 m) msl  
Sp. conductance: 239 µS/cm  
Turbidity: 0.4 NTU  
Water evacuated before sampling: 171 gal

Time: 9:32  
pH: 7.9  
Alkalinity: 97 mg/L  
Water temperature: 20.3 °C

Volumes purged: 4.3 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.7	1	JY3	pH	0	WA
		Specific conductance	237	1	Y	µS/cm	0	WA
		Turbidity	0.39	1	Y3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	41	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	20	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	46,000	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,920	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 10AR collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	5.2	1	JY3	µg/L	1	WA
		Chloromethane (Methyl chloride)	3.3	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	3.1	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.1	1	JVY2	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<60	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	17	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lithium, total recoverable	11	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,090	1	Y	µg/L	0	WA
		Manganese, total recoverable	46	1	Y	µg/L	1	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 10AR collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	<20	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,460	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	28,600	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,120	1	Y	µg/L	0	WA
		Sulfate	8,540	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	167,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Total phosphates (as P)	50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	<19	1	JVY2	µg/L	0	WA
		Carbon-14	-5.4E-01	1	UI	pCi/L	0	GP
		Gross alpha	4.9E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UI	pCi/L	0	GP
		Tritium	1.8E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	2.7E-01	1	UI	pCi/L	0	GP
		Uranium-235	3.0E-02	1	UI	pCi/L	0	GP
		Uranium-238	2.8E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 10B

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

## FIELD MEASUREMENTS

Sample date: 08/03/94  
Depth to water: 81.61 ft (24.88 m) below TOC  
Water elevation: 219.39 ft (66.87 m) msl  
Sp. conductance: 198 µS/cm  
Turbidity: 0.9 NTU  
Water evacuated before sampling: 50 gal  
The well went dry during purging.

Time: 7:20  
pH: 8.2  
Alkalinity: 80 mg/L  
Water temperature: 19.6 °C

Volumes purged: 0.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.3	1	JY3	pH	1	WA
		Specific conductance	234	1	Y	µS/cm	0	WA
		Turbidity	2.4	1	Y3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
•		Acetophenone	<11	1.1	JY3	µg/L	0	WA
•		Acetophenone	<11	1.1	RY3	µg/L	0	WA
		Aluminum, total recoverable	124	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	19	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	30,200	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,090	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	6.9	1	JY3	µg/L	1	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	1.5	1	JY3	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 10B collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	72	1	VY	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	37	1	Y	µg/L	1	WA
		Magnesium, total recoverable	1,190	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	30	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	5,100	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	33,000	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	5,490	1	VY	µg/L	0	WA
		Sulfate	5,880	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	189,000	1	VY	µg/L	0	WA
		Total organic carbon	1,600	1	Y	µg/L	0	WA
		Total organic halogens	9.4	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	11	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	9.0E-01	1	J3	pCi/L	0	GP
		Nonvolatile beta	3.2E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
■		Tritium	2.4E+01	1		pCi/mL	2	GP
		Uranium-233/234	5.9E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	5.1E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>1</sub> )
E57041.1	81.665792 °W					

## FIELD MEASUREMENTS

Sample date: 08/03/94  
 Depth to water: 81.10 ft (24.72 m) below TOC  
 Water elevation: 220.20 ft (67.12 m) msl  
 Sp. conductance: 236  $\mu$ S/cm  
 Turbidity: 138 NTU  
 Water evacuated before sampling: 40 gal  
 The well went dry during purging.

Time: 9:00  
 pH: 7.9  
 Alkalinity: 98 mg/L  
 Water temperature: 22.3 °C

Volumes purged: 1.0 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.8	1	JY3	pH	0	WA
		Specific conductance	239	1	Y	$\mu$ S/cm	0	WA
		Turbidity	14	1	Y3	NTU	0	WA
		Acetophenone	<11	1.1	Y	$\mu$ g/L	0	WA
		Aluminum, total recoverable	218	1	Y	$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	35	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Calcium, total recoverable	35,300	1	VY	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	2,360	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	1.7	1	JY3	$\mu$ g/L	0	WA
		Chromium, total recoverable	4.8	1	Y	$\mu$ g/L	0	WA
		Copper, total recoverable	14	1	Y	$\mu$ g/L	0	WA
		Cyanide	<5.0	1	Y	$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<110	1	JVY2	$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06	Y	$\mu$ g/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	$\mu$ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		Endrin	<0.11	1.08	Y	$\mu$ g/L	0	WA
		Ethylbenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Fluoride	<100	1	Y	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 10C collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	908	1	Y	µg/L	2	WA
		Lead, total recoverable	15	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	681	1	Y	µg/L	0	WA
		Manganese, total recoverable	15	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	226	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	15,600	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,140	1	Y	µg/L	0	WA
		Sulfate	4,700	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	163,000	1	Y	µg/L	0	WA
		Total organic carbon	2,300	1	Y	µg/L	0	WA
		Total organic halogens	5.7	1	Y	µg/L	0	WA
		Total phosphates (as P)	57	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	51	1	VY	µg/L	0	WA
		Carbon-14	3.0E+00	1	UI	pCi/L	0	GP
		Gross alpha	5.0E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	8.3E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	-1.0E-01	1	UI	pCi/L	0	GP
		Tritium	2.3E+00	1		pCi/mL	0	GP
		Uranium-233/234	1.1E-01	1	UI	pCi/L	0	GP
		Uranium-235	-2.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.2E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 10DR

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

## FIELD MEASUREMENTS

Sample date: 08/03/94  
Depth to water: 68.95 ft (21.02 m) below TOC  
Water elevation: 231.45 ft (70.55 m) msl  
Sp. conductance: 143 µS/cm  
Turbidity: 67.5 NTU  
Water evacuated before sampling: 3 gal  
The well went dry during purging.

Time: 8:33  
pH: 6.3  
Alkalinity: 42 mg/L  
Water temperature: 21.3 °C

Volumes purged: 0.3 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.0	1	JY3	pH	0	WA
		Specific conductance	84	1	Y	µS/cm	0	WA
•		Turbidity	2.0	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	260	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	44	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	6,670	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,490	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	8.3	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	1.1	1	JY3	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.03	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	950	1	Y	µg/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 10DR collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	26	1	Y	µg/L	1	WA
		Lindane	<0.052	1.03	Y	µg/L	0	WA
		Lithium, total recoverable	47	1	Y	µg/L	1	WA
		Magnesium, total recoverable	294	1	Y	µg/L	0	WA
		Manganese, total recoverable	16	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.03	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	7.1	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,080	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,970	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,190	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	5,500	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	36,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	15	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.03	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.09	Y	µg/L	0	WA
		1,1,1-Trichloroethane	1.7	1	JY3	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	69	1	VY	µg/L	0	WA
		Carbon-14	8.6E+02	1		pCi/L	0	GP
		Gross alpha	2.8E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	6.4E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J3	pCi/L	0	GP
		Total activity	2.4E+06	10		pCi/L	0	EM
■		Tritium	2.7E+03	1		pCi/mL	2	GP
		Uranium-233/234	9.0E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	4.5E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



# WELL BGO 11D

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

## FIELD MEASUREMENTS

Sample date: 08/03/94  
Depth to water: 74.05 ft (22.57 m) below TOC  
Water elevation: 231.25 ft (70.49 m) msl  
Sp. conductance: 36 µS/cm  
Turbidity: 1.0 NTU  
Water evacuated before sampling: 51 gal

Time: 10:21  
pH: 4.7  
Alkalinity: 0 mg/L  
Water temperature: 20.6 °C

Volumes purged: 5.2 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1	JY3	pH	0	WA
		Specific conductance	37	1	Y	µS/cm	0	WA
•		Turbidity	<0.20	1	JY3	NTU	0	WA
		Acetophenone	<10	1	JY1	µg/L	0	WA
•		Acetophenone	<10	1	R3	µg/L	0	WA
		Aluminum, total recoverable	33	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	5.8	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	815	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,740	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.1	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.03	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 11D collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	7.8	1	Y	µg/L	0	WA
		Lead, total recoverable	3.4	1	Y	µg/L	0	WA
		Lindane	<0.052	1.03	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	618	1	Y	µg/L	0	WA
		Manganese, total recoverable	5.1	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.03	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	2,020	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,240	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,120	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	<5,000	1	JVY2	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	9.4	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.03	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	<19	1	JVY2	µg/L	0	WA
		Carbon-14	2.4E+00	1	UI	pCi/L	0	GP
		Gross alpha	6.3E+00	1	Y	pCi/L	0	GP
		Nonvolatile beta	2.9E+00	1	JY3	pCi/L	0	GP
		Radium, total alpha-emitting	3.5E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	3.4E+00	1	Y	pCi/L	0	GP
		Total activity	7.2E+05	10		pCi/L	0	EM
■		Tritium	1.0E+03	1	Y	pCi/mL	2	GP
		Uranium-233/234	8.8E-02	1	UI	pCi/L	0	GP
		Uranium-235	3.1E-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 PDWS.

## WELL BGO 12AR

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

## FIELD MEASUREMENTS

Sample date: 08/03/94

Depth to water: 156.41 ft (47.67 m) below TOC

Water elevation: 156.99 ft (47.85 m) msl

Sp. conductance: 173 µS/cm

Turbidity: 1.4 NTU

Water evacuated before sampling: 230 gal

Time: 11:26

pH: 9.8

Alkalinity: 73 mg/L

Water temperature: 20.3 °C

Volumes purged: 6.1 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.7	1	JY3	pH	1	WA
		Specific conductance	108	1	Y	µS/cm	0	WA
		Turbidity	4.2	1	Y3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	222	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	3.8	1	Y	µg/L	0	WA
		Barium, total recoverable	54	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	31,900	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,680	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<110	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.1	2.11	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.05	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 12AR collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	19	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lithium, total recoverable	22	1	Y	µg/L	0	WA
		Magnesium, total recoverable	238	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	65	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	2,910	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	24,500	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,690	1	Y	µg/L	0	WA
		Sulfate	6,310	1	JY3	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	89,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	11	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1	2.11	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	2.7	1	JY3	µg/L	1	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	<19	1	JVY2	µg/L	0	WA
		Carbon-14	-1.7E-01	1	UI	pCi/L	0	GP
		Gross alpha	1.4E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	2.9E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J3	pCi/L	0	GP
		Tritium	5.1E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	1.7E-02	1	UI	pCi/L	0	GP
		Uranium-235	-6.8E-03	1	UI	pCi/L	0	GP
		Uranium-238	6.1E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 12CR

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

### FIELD MEASUREMENTS

Sample date: 08/04/94  
Depth to water: 94.58 ft (28.83 m) below TOC  
Water elevation: 219.42 ft (66.88 m) msl  
Sp. conductance: 117 µS/cm  
Turbidity: 1.5 NTU  
Water evacuated before sampling: 44 gal  
The well went dry during purging.

Time: 8:24  
pH: 9.6  
Alkalinity: 45 mg/L  
Water temperature: 20.2 °C

Volumes purged: 0.9 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.3	1	JY3	pH	1	WA
		Specific conductance	105	1	Y	µS/cm	0	WA
•		Turbidity	0.66	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	292	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	12	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	11,200	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,090	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	4.5	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	120	1	Y	µg/L	0	WA
		Iron, total recoverable	60	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 12CR collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lithium, total recoverable	9.4	1	Y	µg/L	0	WA
		Magnesium, total recoverable	266	1	VY	µg/L	0	WA
		Manganese, total recoverable	2.1	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	792	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	2,640	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	16,500	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	8,820	1	VY	µg/L	0	WA
●		Sulfate	4,040	1	JY3	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	80,000	1	Y	µg/L	0	WA
		Total dissolved solids	81,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	56	1	Y	µg/L	2	WA
		Total phosphates (as P)	112	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	85	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	5.8	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	<19	1	JVY2	µg/L	0	WA
		Carbon-14	1.2E+00	1	UI	pCi/L	0	GP
		Gross alpha	2.5E-01	1	UIY	pCi/L	0	GP
		Nonvolatile beta	2.3E+00	1	JY3	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UIY	pCi/L	0	GP
		Tritium	1.3E+00	1	Y	pCi/mL	0	GP
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.2E-01	1	UI	pCi/L	0	GP

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# WELL BGO 12D

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

## FIELD MEASUREMENTS

Sample date: 08/03/94  
Depth to water: 82.55 ft (25.16 m) below TOC  
Water elevation: 231.15 ft (70.46 m) msl  
Sp. conductance: 76 µS/cm  
Turbidity: 5.8 NTU  
Water evacuated before sampling: 4 gal  
The well went dry during purging.

Time: 10:52  
pH: 6.2  
Alkalinity: 10 mg/L  
Water temperature: 29.9 °C

Volumes purged: 0.5 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1	JY3	pH	0	WA
		Specific conductance	71	1	Y	µS/cm	0	WA
		Specific conductance	71	1	Y	µS/cm	0	WA
		Turbidity	4.4	1	Y3	NTU	0	WA
		Turbidity	4.2	1	Y3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	100	1	JY3	µg/L	2	WA
		Aluminum, total recoverable	126	1	Y3	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	29	1	Y	µg/L	0	WA
		Barium, total recoverable	30	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	5,410	1	VY	µg/L	0	WA
		Calcium, total recoverable	5,580	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,160	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	4.2	1	Y	µg/L	0	WA
		Copper, total recoverable	4.3	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 12D collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	3.6	1	JY3	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<60	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.05	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	91	1	Y	µg/L	0	WA
		Iron, total recoverable	103	1	Y	µg/L	0	WA
		Lead, total recoverable	5.5	1	Y	µg/L	0	WA
		Lead, total recoverable	4.6	1	Y	µg/L	0	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lithium, total recoverable	15	1	Y	µg/L	0	WA
		Lithium, total recoverable	17	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,410	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,460	1	Y	µg/L	0	WA
		Manganese, total recoverable	4.7	1	Y	µg/L	0	WA
		Manganese, total recoverable	5.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	0.96	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,880	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,200	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,060	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,990	2.1	JY3	µg/L	0	WA
		Silica, total recoverable	6,290	2.1	JY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Sodium, total recoverable	3,500	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,590	1	Y	µg/L	0	WA
		Sulfate	8,530	1	JY	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	57,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	82	1	Y	µg/L	2	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	100	1	Y	µg/L	2	WA
		Trichlorofluoromethane	1.7	1	JY3	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 12D collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	<19	1	JVY2	µg/L	0	WA
		Zinc, total recoverable	<19	1	JVY2	µg/L	0	WA
		Carbon-14	-6.7E-01	1	UI	pCi/L	0	GP
		Gross alpha	2.4E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	2.6E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1	J3	pCi/L	0	GP
		Tritium	1.9E+01	1		pCi/mL	1	GP
		Uranium-233/234	1.5E-02	1	UI	pCi/L	0	GP
		Uranium-235	-6.1E-03	1	UI	pCi/L	0	GP
		Uranium-238	-1.2E-02	1	UI	pCi/L	0	GP

WELL BGO 13DR

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

FIELD MEASUREMENTS

Sample date: 08/16/94  
Depth to water: 88.50 ft (26.98 m) below TOC  
Water elevation: 230.80 ft (70.35 m) msl  
Sp. conductance: 102 µS/cm  
Turbidity: 22.5 NTU  
Water evacuated before sampling: 9 gal  
The well went dry during purging.

Time: 6:37  
pH: 9.8  
Alkalinity: 28 mg/L  
Water temperature: 20.2 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.2	1	JY3	pH	0	WA
		Specific conductance	64	1	Y	µS/cm	0	WA
•		Turbidity	0.88	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	84	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	49	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	7,400	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,370	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	6.1	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 13DR collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Copper, total recoverable	10	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<94	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.02	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	334	1	Y	µg/L	2	WA
■		Lead, total recoverable	50	1	Y	µg/L	2	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	11	1	Y	µg/L	0	WA
		Magnesium, total recoverable	386	1	Y	µg/L	0	WA
		Manganese, total recoverable	105	1	Y	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	15	1	Y	µg/L	0	WA
		Nitrate as nitrogen	775	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,040	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,750	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	5,010	1	Y	µg/L	0	WA
		Sulfate	5,190	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
●		Total dissolved solids	44,000	1	JY3	µg/L	0	WA
●		Total dissolved solids	43,000	1	JY3	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	2,650	10	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Carbon-14	8.5E+00	1	UI	pCi/L	0	GP
		Gross alpha	3.0E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J3	pCi/L	0	GP
■		Tritium	2.1E+01	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 13DR collected on 08/16/94, laboratory analyses (cont.)

<u>H</u>	<u>ST</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	3.1E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.4E-01	1	UI	pCi/L	0	GP
		Uranium-238	7.7E-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: 08/05/94  
Depth to water: 142.39 ft (43.40 m) below TOC  
Water elevation: 158.31 ft (48.25 m) msl  
Sp. conductance: 206  $\mu$ S/cm  
Turbidity: 0.6 NTU  
Water evacuated before sampling: 230 gal

Time: 9:48  
pH: 9.7  
Alkalinity: 90 mg/L  
Water temperature: 20.5 °C

Volumes purged: 5.7 well volumes

## LABORATORY ANALYSES

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.2	1	J3	pH	1	WA
•		pH	9.3	1	J3	pH	1	WA
		Specific conductance	182	1		$\mu$ S/cm	0	WA
		Specific conductance	176	1		$\mu$ S/cm	0	WA
•		Turbidity	0.23	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		$\mu$ g/L	0	WA
		Aluminum, total recoverable	214	1		$\mu$ g/L	2	WA
		Aluminum, total recoverable	214	1		$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1		$\mu$ g/L	0	WA
		Antimony, total recoverable	<3.0	1		$\mu$ g/L	0	WA
		Arsenic, total recoverable	7.2	1		$\mu$ g/L	0	WA
		Arsenic, total recoverable	7.0	1		$\mu$ g/L	0	WA
		Barium, total recoverable	82	1		$\mu$ g/L	0	WA
		Barium, total recoverable	82	1		$\mu$ g/L	0	WA
		Benzene	<5.0	1		$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1		$\mu$ g/L	0	WA
		Bromoform	<5.0	1		$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1		$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1		$\mu$ g/L	0	WA
		Calcium, total recoverable	34,000	1	V	$\mu$ g/L	0	WA
		Calcium, total recoverable	32,400	1	V	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1		$\mu$ g/L	0	WA
		Chloride	2,660	1		$\mu$ g/L	0	WA
		Chloride	2,690	1		$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1		$\mu$ g/L	0	WA
		Chloroethane	<10	1		$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		$\mu$ g/L	0	WA
		Chloroform	<5.0	1		$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	3.6	1	J3	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 14AR collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		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	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	22	1		µg/L	0	WA
		Iron, total recoverable	20	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	<0.055	1.1		µg/L	0	WA
		Lithium, total recoverable	37	1		µg/L	1	WA
		Lithium, total recoverable	35	1		µg/L	1	WA
		Magnesium, total recoverable	534	1	V	µg/L	0	WA
		Magnesium, total recoverable	525	1	V	µg/L	0	WA
		Manganese, total recoverable	11	1		µg/L	0	WA
		Manganese, total recoverable	11	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	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	WA
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	237	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	6,100	1		µg/L	0	WA
		Potassium, total recoverable	6,060	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1	J3	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	J3	µg/L	0	WA
		Silica, total recoverable	23,800	2.1	J3	µg/L	0	WA
		Silica, total recoverable	22,400	2.1	J3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	J3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	J3	µg/L	0	WA
		Sodium, total recoverable	4,340	1	V	µg/L	0	WA
		Sodium, total recoverable	4,240	1	V	µg/L	0	WA
		Sulfate	3,800	1		µg/L	0	WA
		Sulfate	3,610	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	153,000	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 14AR collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	9.1	1		µg/L	0	WA
		Total phosphates (as P)	2,140	5		µg/L	0	WA
		Total phosphates (as P)	2,150	5		µg/L	0	WA
		Toxaphene	<1.1	1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	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	<5.0	1		µg/L	0	WA
		Zinc, total recoverable	3.9	1		µg/L	0	WA
		Zinc, total recoverable	3.4	1		µg/L	0	WA
		Carbon-14	5.1E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.2E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	6.9E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J3	pCi/L	0	GP
		Tritium	2.2E+00	1		pCi/mL	0	GP
		Uranium-233/234	5.3E-01	1	UI	pCi/L	0	GP
		Uranium-235	6.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.6E-01	1	UI	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 <sub>1</sub> )
E55789.0	81.668181 °W					

FIELD MEASUREMENTS

Sample date: 08/05/94  
Depth to water: 77.28 ft (23.56 m) below TOC  
Water elevation: 223.22 ft (68.04 m) msl  
Sp. conductance: 67 µS/cm  
Turbidity: 1.8 NTU  
Water evacuated before sampling: 19 gal  
The well went dry during purging.

Time: 8:45  
pH: 5.9  
Alkalinity: 7 mg/L  
Water temperature: 21.1 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	J3	pH	0	WA
		Specific conductance	59	1		µS/cm	0	WA
•		Turbidity	1.1	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	100	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	11	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 14CR collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	3,420	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,960	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	3.9	1	J3	µg/L	0	WA
		Chromium, total recoverable	4.3	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-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	J3	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.08		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	178	1		µg/L	1	WA
		Lead, total recoverable	5.6	1		µg/L	0	WA
		Lindane	<0.054	1.08		µg/L	0	WA
		Lithium, total recoverable	14	1		µg/L	0	WA
		Magnesium, total recoverable	746	1	V	µg/L	0	WA
		Manganese, total recoverable	16	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.54	1.08		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	995	5		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	1,880	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	9,920	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	4,480	1	V	µg/L	0	WA
		Sulfate	7,330	1		µg/L	0	WA
		Sulfate	7,320	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	1.1	1	J3	µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	58,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	59	1		µg/L	2	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Toxaphene	<1.1	1.08		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 14CR collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		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	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
■		Trichloroethylene	67	1		µg/L	2	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Zinc, total recoverable	20	1		µg/L	0	WA
		Carbon-14	2.1E+00	1	UI	pCi/L	0	GP
		Gross alpha	3.5E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	2.8E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	J3	pCi/L	0	GP
■		Tritium	4.7E+01	1		pCi/mL	2	GP
		Uranium-233/234	6.0E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	4.8E-02	1	UI	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 <sub>2</sub> )

FIELD MEASUREMENTS

Sample date: 08/05/94  
Depth to water: 69.76 ft (21.26 m) below TOC  
Water elevation: 230.54 ft (70.27 m) msl  
Sp. conductance: 35 µS/cm  
Turbidity: 0.3 NTU  
Water evacuated before sampling: 64 gal

Time: 9:18  
pH: 5.1  
Alkalinity: 0 mg/L  
Water temperature: 20.5 °C

Volumes purged: 7.8 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	J3	pH	0	WA
		Specific conductance	31	1		µS/cm	0	WA
•		Turbidity	0.34	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	88	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	6.5	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	695	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	4,260	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 14DR collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	13	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<65	1	JV2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.02		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.08		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	24	1		µg/L	0	WA
		Lead, total recoverable	4.2	1		µg/L	0	WA
		Lindane	<0.054	1.08		µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	589	1	V	µg/L	0	WA
		Manganese, total recoverable	9.9	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.54	1.08		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	856	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	6,690	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	3,480	1	V	µg/L	0	WA
		Sulfate	1,520	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	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	104	1		µg/L	2	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Toxaphene	<1.1	1.08		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
■		Trichloroethylene	131	1		µg/L	2	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 14DR collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Zinc, total recoverable	21	1		µg/L	0	WA
		Carbon-14	6.1E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.8E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J3	pCi/L	0	GP
		Tritium	1.3E+01	1		pCi/mL	1	GP
		Uranium-233/234	1.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	4.5E-02	1	UI	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 <sub>2</sub> )
E55859.1	81.667289 °W					

## FIELD MEASUREMENTS

Sample date: 08/04/94  
Depth to water: 68.81 ft (20.97 m) below TOC  
Water elevation: 229.89 ft (70.07 m) msl  
Sp. conductance: 30 µS/cm  
Turbidity: 0.4 NTU  
Water evacuated before sampling: 60 gal

Time: 13:42  
pH: 5.4  
Alkalinity: 0 mg/L  
Water temperature: 22.0 °C

Volumes purged: 8.2 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	J3	pH	0	WA
		Specific conductance	25	1		µS/cm	0	WA
•		Turbidity	0.21	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	<20	1		µg/L	0	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	7.5	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	1,570	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,590	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 15D collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	1.4	1	J3	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.06		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	10	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.053	1.06		µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	389	1	V	µg/L	0	WA
		Manganese, total recoverable	6.6	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.06		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	937	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	6,580	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,080	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
■		Tetrachloroethylene	5.5	1		µg/L	2	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
●		Total dissolved solids	32,000	1	J3	µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	69	2		µg/L	2	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Toxaphene	<1.1	1.06		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
■		Trichloroethylene	70	1		µg/L	2	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Zinc, total recoverable	3.7	1		µg/L	0	WA
		Carbon-14	7.5E+00	1	UI	pCi/L	0	GP
		Gross alpha	2.2E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J3	pCi/L	0	GP
		Total activity	3.0E+05	1		pCi/L	0	EM
■		Tritium	3.1E+02	1		pCi/mL	2	GP
		Uranium-233/234	1.8E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 15D collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Uranium-235	3.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	2.2E-01	1	UI	pCi/L	0	GP

## WELL BGO 16AR

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

## FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 143.46 ft (43.73 m) below TOC  
Water elevation: 160.24 ft (48.84 m) msl  
Sp. conductance: 189 µS/cm  
Turbidity: 0.5 NTU  
Water evacuated before sampling: 115 gal

Time: 12:52  
pH: 7.3  
Alkalinity: 72 mg/L  
Water temperature: 20.1 °C

Volumes purged: 3.1 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.2	1	JY3	pH	0	WA
		Specific conductance	174	1	Y	µS/cm	0	WA
		Turbidity	<0.20	1	Y	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	<20	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	36	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	28,700	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,700	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	5.6	1	JY3	µg/L	1	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<80	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.1	Y	µg/L	0	WA

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WELL BGO 16AR collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	8.8	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,000	1	VY	µg/L	0	WA
		Manganese, total recoverable	9.8	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	674	1	Y	µg/L	0	WA
		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	1,220	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	21,500	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	5,720	1	VY	µg/L	0	WA
		Sulfate	3,710	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	121,000	1	VY	µg/L	0	WA
		Total organic carbon	1,100	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	3,240	10	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	10	1	VY	µg/L	0	WA
		Gross alpha	9.9E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Tritium	2.9E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	4.6E-01	1	UI	pCi/L	0	GP
		Uranium-235	4.2E-02	1	UI	pCi/L	0	GP
		Uranium-238	5.4E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/11/94  
Depth to water: 87.15 ft (26.56 m) below TOC  
Water elevation: 217.95 ft (66.43 m) msl  
Sp. conductance: 234 µS/cm  
Turbidity: 12.5 NTU  
Water evacuated before sampling: 44 gal  
The well went dry during purging.

Time: 7:42  
pH: 7.7  
Alkalinity: 90 mg/L  
Water temperature: 19.6 °C

Volumes purged: 0.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.8	1	JY3	pH	0	WA
		Specific conductance	211	1	Y	µS/cm	0	WA
•		Turbidity	1.5	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	94	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	45	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	43,200	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,360	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	11	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<80	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 16B collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	452	1	Y	µg/L	2	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	889	1	Y	µg/L	0	WA
		Manganese, total recoverable	3.8	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	543	1	Y	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	1,010	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	14,100	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,040	1	Y	µg/L	0	WA
		Sulfate	1,430	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	146,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	11	1	Y	µg/L	0	WA
		Total phosphates (as P)	507	2	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	42	1	Y	µg/L	0	WA
		Carbon-14	-1.9E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.5E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J3	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
		Uranium-233/234	1.8E-01	1	UI	pCi/L	0	GP
		Uranium-235	-2.5E-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 PDWS.

# 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 <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/11/94  
Depth to water: 73.74 ft (22.48 m) below TOC  
Water elevation: 230.86 ft (70.37 m) msl  
Sp. conductance: 157 µS/cm  
Turbidity: 3.5 NTU  
Water evacuated before sampling: 2 gal  
The well went dry during purging.

Time: 8:07  
pH: 9.2  
Alkalinity: 64 mg/L  
Water temperature: 20.0 °C

Volumes purged: 0.2 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.2	1	JY3	pH	1	WA
		Specific conductance	133	1	Y	µS/cm	0	WA
•		Turbidity	3.8	1	JY	NTU	0	WA
•		Turbidity	3.9	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	95	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	17	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	2,780	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	1,110	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	7.8	1	JY3	µg/L	1	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.05	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 16D collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	348	1	Y	µg/L	2	WA
		Lead, total recoverable	12	1	Y	µg/L	0	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lithium, total recoverable	38	1	Y	µg/L	1	WA
		Magnesium, total recoverable	402	1	Y	µg/L	0	WA
		Manganese, total recoverable	8.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	224	1	Y	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	3,990	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,810	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	17,400	1	VY	µg/L	0	WA
		Sulfate	2,060	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
•		Total dissolved solids	88,000	1	JVY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	39	1	Y	µg/L	1	WA
		Total phosphates (as P)	174	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	5.0	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	17	1	Y	µg/L	0	WA
		Carbon-14	9.4E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.5E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	3.8E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J3	pCi/L	0	GP
		Total activity	2.4E+05	1		pCi/L	0	EM
■		Tritium	6.1E+02	1		pCi/mL	2	GP
■		Tritium	6.3E+02	1		pCi/mL	2	GP
		Uranium-233/234	5.3E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	1.3E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



## 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 <sub>2</sub> )

### FIELD MEASUREMENTS

Sample date: 08/11/94  
Depth to water: 67.67 ft (20.63 m) below TOC  
Water elevation: 231.53 ft (70.57 m) msl  
Sp. conductance: 21 µS/cm  
Turbidity: 23.7 NTU  
Water evacuated before sampling: 8 gal  
The well went dry during purging.

Time: 8:30  
pH: 5.2  
Alkalinity: 1 mg/L  
Water temperature: 19.7 °C

Volumes purged: 0.8 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1	JY3	pH	0	WA
		Specific conductance	17	1	Y	µS/cm	0	WA
•		Turbidity	272	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	180	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	5.6	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	780	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	870	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<80	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	529	1	Y	µg/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 17DR collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	3.4	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lithium, total recoverable	5.3	1	Y	µg/L	0	WA
		Magnesium, total recoverable	292	1	Y	µg/L	0	WA
		Manganese, total recoverable	10	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,140	5	Y	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,550	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,020	1	Y	µg/L	0	WA
		Sulfate	4,980	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	26,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	11	1	Y	µg/L	0	WA
		Total phosphates (as P)	168	1	Y	µg/L	0	WA
		Total phosphates (as P)	171	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	1.3	1	JY3	µg/L	0	WA
		Trichlorofluoromethane	1.2	1	JY3	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	8.0	1	Y	µg/L	0	WA
		Carbon-14	-4.6E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.1E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	9.7E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J3	pCi/L	0	GP
		Tritium	1.4E+01	1		pCi/mL	1	GP
		Uranium-233/234	2.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	9.6E-02	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 18A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
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: 08/11/94  
Depth to water: 134.62 ft (41.03 m) below TOC  
Water elevation: 160.58 ft (48.95 m) msl  
Sp. conductance: 192 µS/cm  
Turbidity: 0.7 NTU  
Water evacuated before sampling: 393 gal

Time: 11:53  
pH: 7.0  
Alkalinity: 75 mg/L  
Water temperature: 20.2 °C  
Volumes purged: 9.8 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.0	1	JY3	pH	0	WA
		Specific conductance	1,640	1	Y	µS/cm	2	WA
•		Turbidity	<0.20	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	<20	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	32	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	33,600	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,820	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	3.1	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<80	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	14	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 18A collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	970	1	Y	µg/L	0	WA
		Manganese, total recoverable	42	1	Y	µg/L	1	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	47	1	Y	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	895	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	33,700	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,140	1	Y	µg/L	0	WA
		Sulfate	9,030	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	131,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	7.7	1	Y	µg/L	0	WA
		Total phosphates (as P)	212	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	4.6	1	Y	µg/L	0	WA
		Carbon-14	3.4E-02	1	UI	pCi/L	0	GP
		Gross alpha	2.0E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	2.0E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J3	pCi/L	0	GP
		Tritium	1.0E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	4.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	3.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	4.8E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 18D

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

## FIELD MEASUREMENTS

Sample date: 08/11/94  
Depth to water: 62.95 ft (19.19 m) below TOC  
Water elevation: 231.95 ft (70.70 m) msl  
Sp. conductance: 30 µS/cm  
Turbidity: 0.3 NTU  
Water evacuated before sampling: 169 gal

Time: 11:31  
pH: 4.8  
Alkalinity: 0 mg/L  
Water temperature: 19.9 °C

Volumes purged: 20.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.9	1	JY3	pH	0	WA
		Specific conductance	23	1	Y	µS/cm	0	WA
•		Turbidity	<0.20	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	45	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	8.3	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	689	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,260	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	<4.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 18D collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.055	1.1	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	296	1	Y	µg/L	0	WA
		Manganese, total recoverable	11	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.1	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,300	5	Y	µg/L	0	WA
●		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,930	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,020	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	29,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	6.4	1	Y	µg/L	0	WA
		Total phosphates (as P)	60	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.1	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	6.2	1	Y	µg/L	0	WA
		Carbon-14	-1.1E+00	1	UI	pCi/L	0	GP
		Gross alpha	3.5E+00	1		pCi/L	0	GP
		Nonvolatile beta	2.4E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1	J3	pCi/L	0	GP
		Tritium	1.6E+01	1		pCi/mL	1	GP
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	3.7E-02	1	UI	pCi/L	0	GP
		Uranium-238	9.7E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 19D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75350.0 E56997.3	33.285423 °N 81.663081 °W	216.8-196.8 ft msl	290.1 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 57.52 ft (17.53 m) below TOC  
Water elevation: 232.58 ft (70.89 m) msl  
Sp. conductance: 35 µS/cm  
Turbidity: 10.1 NTU  
Water evacuated before sampling: 106 gal

Time: 13:41  
pH: 5.8  
Alkalinity: 4 mg/L  
Water temperature: 20.5 °C  
Volumes purged: 4.5 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1	JY3	pH	0	WA
•		pH	5.7	1	JY3	pH	0	WA
		Specific conductance	30	1	Y	µS/cm	0	WA
		Turbidity	2.1	1	Y	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	54	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	16	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	2,260	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,700	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	7.7	1	JY3	µg/L	1	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 19D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	87	1	Y	µg/L	0	WA
		Lead, total recoverable	3.3	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	339	1	VY	µg/L	0	WA
		Manganese, total recoverable	12	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,100	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,770	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	2,610	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	9,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	8.4	1	Y	µg/L	0	WA
		Total phosphates (as P)	366	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	19	1	VY	µg/L	0	WA
		Carbon-14	2.6E+00	1	UI	pCi/L	0	GP
		Gross alpha	2.2E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.2E+00	1	J3	pCi/L	0	GP
■		Tritium	6.7E+01	1		pCi/mL	2	GP
		Uranium-233/234	4.1E-02	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	9.2E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



# 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 <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/11/94  
Depth to water: 49.75 ft (15.16 m) below TOC  
Water elevation: 233.95 ft (71.31 m) msl  
Sp. conductance: 68 µS/cm  
Turbidity: 7.6 NTU  
Water evacuated before sampling: 8 gal  
The well went dry during purging.

Time: 7:10  
pH: 5.5  
Alkalinity: 14 mg/L  
Water temperature: 19.5 °C  
Volumes purged: 0.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1	JY3	pH	0	WA
		Specific conductance	56	1	Y	µS/cm	0	WA
•		Turbidity	1.4	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	42	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	44	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	5,250	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,100	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<80	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	175	1	Y	µg/L	1	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 20D collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	8.0	1	Y	µg/L	0	WA
		Lindane	<0.055	1.1	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,230	1	Y	µg/L	0	WA
		Manganese, total recoverable	36	1	Y	µg/L	1	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.1	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,640	5	Y	µg/L	0	WA
●		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,560	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	4,100	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	55,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	11	1	Y	µg/L	0	WA
		Total phosphates (as P)	317	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.1	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	39	1	Y	µg/L	0	WA
		Carbon-14	-2.8E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.7E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1	J3	pCi/L	0	GP
■		Tritium	2.7E+01	1		pCi/mL	2	GP
		Uranium-233/234	3.4E-01	1	UI	pCi/L	0	GP
		Uranium-235	6.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.7E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>2</sub> )

### FIELD MEASUREMENTS

Sample date: 08/11/94  
Depth to water: 50.58 ft (15.42 m) below TOC  
Water elevation: 234.82 ft (71.57 m) msl  
Sp. conductance: 79 µS/cm  
Turbidity: 3.1 NTU  
Water evacuated before sampling: 6 gal  
The well went dry during purging.

Time: 9:21  
pH: 5.8  
Alkalinity: 11 mg/L  
Water temperature: 20.1 °C

Volumes purged: 0.5 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1	JY3	pH	0	WA
		Specific conductance	62	1	Y	µS/cm	0	WA
•		Turbidity	16	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	218	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	40	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,910	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	5,810	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 21D collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	3.1	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.6	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.6	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	4.0	1	Y	µg/L	0	WA
		Cyanide	8.9	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.1	2.13	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	JY3	µg/L	0	WA
		Iron, total recoverable	802	1	Y	µg/L	2	WA
		Lead, total recoverable	14	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lithium, total recoverable	30	1	Y	µg/L	1	WA
		Magnesium, total recoverable	685	1	Y	µg/L	0	WA
		Manganese, total recoverable	18	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	4.8	1	Y	µg/L	0	WA
		Nitrate as nitrogen	2,350	10	Y	µg/L	0	WA
		Nitrate as nitrogen	2,380	10	Y	µg/L	0	WA
		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	3,540	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,970	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 21D collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sodium, total recoverable	5,510	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	60,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	37	1	Y	µg/L	1	WA
		Total phosphates (as P)	50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1	2.13	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	20	1	Y	µg/L	0	WA
		Carbon-14	-4.1E+00	1	UI	pCi/L	0	GP
		Gross alpha	2.7E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	4.8E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1	J3	pCi/L	0	GP
■		Tritium	3.8E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	6.4E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 22DR

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

## FIELD MEASUREMENTS

Sample date: 08/11/94  
Depth to water: 49.55 ft (15.10 m) below TOC  
Water elevation: 236.55 ft (72.10 m) msl  
Sp. conductance: 23 µS/cm  
Turbidity: 13.2 NTU  
Water evacuated before sampling: 15 gal  
The well went dry during purging.

Time: 10:42  
pH: 5.5  
Alkalinity: 2 mg/L  
Water temperature: 22.5 °C

Volumes purged: 1.3 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	JY3	pH	0	WA
		Specific conductance	31	1	Y	µS/cm	0	WA
•		Turbidity	37	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	1,980	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	8.1	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	829	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	820	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	3.3	1	JY3	µg/L	0	WA
		Chromium, total recoverable	13	1	Y	µg/L	0	WA
		Copper, total recoverable	5.5	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	5,050	1	Y	µg/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 22DR collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	12	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	595	1	Y	µg/L	0	WA
		Manganese, total recoverable	16	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	6.8	1	Y	µg/L	0	WA
		Nitrate as nitrogen	768	1	Y	µg/L	0	WA
●		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	503	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,570	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	943	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	25,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	6.2	1	Y	µg/L	0	WA
		Total phosphates (as P)	252	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	11	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	23	1	Y	µg/L	0	WA
		Carbon-14	5.0E+00	1	UI	pCi/L	0	GP
		Gross alpha	7.3E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1	J3	pCi/L	0	GP
■		Tritium	2.7E+01	1		pCi/mL	2	GP
		Uranium-233/234	3.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	9.6E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 23D

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

## FIELD MEASUREMENTS

Sample date: 08/11/94  
Depth to water: 53.48 ft (16.30 m) below TOC  
Water elevation: 235.72 ft (71.85 m) msl  
Sp. conductance: 38 µS/cm  
Turbidity: 3.1 NTU  
Water evacuated before sampling: 26 gal

Time: 10:14  
pH: 6.0  
Alkalinity: 5 mg/L  
Water temperature: 21.9 °C

Volumes purged: 2.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	JY3	pH	0	WA
		Specific conductance	32	1	Y	µS/cm	0	WA
•		Turbidity	0.92	1	JY	NTU	0	WA
•		Turbidity	0.94	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	<20	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	7.0	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,160	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	900	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.6	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	20	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.02	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 23D collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	17	1	Y	µg/L	0	WA
		Lead, total recoverable	9.1	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	356	1	Y	µg/L	0	WA
		Manganese, total recoverable	7.7	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	2,320	5	Y	µg/L	0	WA
●		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	727	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,220	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,860	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	26,000	1	VY	µg/L	0	WA
		Total dissolved solids	24,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	9.6	1	Y	µg/L	0	WA
		Total phosphates (as P)	97	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	25	1	Y	µg/L	0	WA
		Carbon-14	3.3E+00	1	UI	pCi/L	0	GP
		Gross alpha	1.1E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1	J3	pCi/L	0	GP
■		Tritium	2.5E+01	1		pCi/mL	2	GP
		Uranium-233/234	6.2E-02	1	UI	pCi/L	0	GP
		Uranium-235	4.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.0E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/11/94  
Depth to water: 56.63 ft (17.26 m) below TOC  
Water elevation: 236.57 ft (72.11 m) msl  
Sp. conductance: 65 µS/cm  
Turbidity: 23.6 NTU  
Water evacuated before sampling: 6 gal  
The well went dry during purging.

Time: 8:57  
pH: 9.5  
Alkalinity: 19 mg/L  
Water temperature: 21.2 °C  
Volumes purged: 0.6 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.8	1	JY3	pH	1	WA
•		pH	8.9	1	JY3	pH	1	WA
		Specific conductance	56	1	Y	µS/cm	0	WA
		Specific conductance	55	1	Y	µS/cm	0	WA
•		Turbidity	6.4	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	482	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	13	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	6,250	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	1,480	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	5.7	1	JY3	µg/L	1	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 24D collected on 08/11/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	373	1	Y	µg/L	2	WA
		Lead, total recoverable	20	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	118	1	Y	µg/L	0	WA
		Manganese, total recoverable	19	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	740	1	Y	µg/L	0	WA
		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,420	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,390	1	Y	µg/L	0	WA
		Sulfate	3,670	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	45,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	7.6	1	Y	µg/L	0	WA
		Total phosphates (as P)	111	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Zinc, total recoverable	40	1	Y	µg/L	0	WA
		Carbon-14	2.9E+00	1	UI	pCi/L	0	GP
		Gross alpha	9.6E-01	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J3	pCi/L	0	GP
		Tritium	9.6E+00	1		pCi/mL	0	GP
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	2.4E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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: 08/04/94  
Depth to water: 135.85 ft (41.41 m) below TOC  
Water elevation: 160.65 ft (48.97 m) msl  
Sp. conductance: 249 µS/cm  
Turbidity: 2.3 NTU  
Water evacuated before sampling: 23 gal  
The well went dry during purging.

Time: 9:26  
pH: 7.5  
Alkalinity: 98 mg/L  
Water temperature: 20.6 °C

Volumes purged: 0.6 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.7	1	JY3	pH	0	WA
		Specific conductance	234	1	Y	µS/cm	0	WA
		Specific conductance	241	1	Y	µS/cm	0	WA
•		Turbidity	0.76	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	30	1	Y	µg/L	1	WA
		Aluminum, total recoverable	37	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	2.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	36	1	Y	µg/L	0	WA
		Barium, total recoverable	38	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	45,100	1	VY	µg/L	0	WA
		Calcium, total recoverable	47,600	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,650	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	6.5	1	JY3	µg/L	1	WA
		Chromium, total recoverable	<4.0	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y3	µg/L	0	WA
		Copper, total recoverable	5.3	1	Y	µg/L	0	WA
		Copper, total recoverable	6.8	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 25A collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	140	1	Y	µg/L	0	WA
		Iron, total recoverable	145	1	Y	µg/L	0	WA
		Lead, total recoverable	4.8	1	Y	µg/L	0	WA
		Lead, total recoverable	4.6	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	741	1	VY	µg/L	0	WA
		Magnesium, total recoverable	781	1	VY	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	39	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	820	1	Y	µg/L	0	WA
		Potassium, total recoverable	797	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Silica, total recoverable	40,900	2.1	JY3	µg/L	0	WA
		Silica, total recoverable	42,400	2.1	JY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Sodium, total recoverable	2,040	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,170	1	Y	µg/L	0	WA
		Sulfate	9,110	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	199,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	7.2	1	Y	µg/L	0	WA
		Total organic halogens	6.1	1	Y	µg/L	0	WA
		Total phosphates (as P)	117	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 25A collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	6.3E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	0.0E+00	1	UI	pCi/L	0	GP
		Tritium	9.5E-02	1	UI	pCi/mL	0	GP
		Uranium-233/234	2.1E-01	1	UI	pCi/L	0	GP
		Uranium-235	-2.8E-02	1	UI	pCi/L	0	GP
		Uranium-238	2.0E-01	1	UI	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 <sub>2</sub> )
E55015.2	81.669811 °W					

## FIELD MEASUREMENTS

Sample date: 08/05/94  
Depth to water: 57.78 ft (17.61 m) below TOC  
Water elevation: 227.72 ft (69.41 m) msl  
Sp. conductance: 31 µS/cm  
Turbidity: 13.8 NTU  
Water evacuated before sampling: 9 gal  
The well went dry during purging.

Time: 10:20  
pH: 5.1  
Alkalinity: 1 mg/L  
Water temperature: 21.6 °C

Volumes purged: 1.0 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	J3	pH	0	WA
		Specific conductance	24	1		µS/cm	0	WA
•		Turbidity	15	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	1,040	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	11	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		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	WA
		Calcium, total recoverable	862	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 26D collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloride	2,510	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	2.9	1	J3	µg/L	0	WA
		Chloromethane (Methyl chloride)	3.5	1	J3	µg/L	0	WA
		Chloromethane (Methyl chloride)	3.4	1	J3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	321	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		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)	<5.0	1	V	µg/L	0	WA
		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	<1.0	1.04		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		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	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.05		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	988	1		µg/L	2	WA
■		Lead, total recoverable	59	1		µg/L	2	WA
		Lindane	<0.053	1.05		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 26D collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	469	1	V	µg/L	0	WA
		Manganese, total recoverable	19	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.05		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	897	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	6,150	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,910	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		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	1.2	1	J3	µg/L	0	WA
		Tetrachloroethylene	1.1	1	J3	µg/L	0	WA
		Tetrachloroethylene	1.1	1	J3	µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	38,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	25	1		µg/L	0	WA
		Total phosphates (as P)	1,740	5		µg/L	0	WA
		Toxaphene	<1.0	1.05		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04		µg/L	0	WA
		Tributyl phosphate	<10	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
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
■		Trichloroethylene	12	1		µg/L	2	WA
■		Trichloroethylene	11	1		µg/L	2	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	2.0E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	7.4E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J3	pCi/L	0	GP
		Tritium	7.0E+00	1		pCi/mL	0	GP
		Uranium-233/234	1.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	8.0E-03	1	UI	pCi/L	0	GP
		Uranium-238	3.2E-02	1	UI	pCi/L	0	GP

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# WELL BGO 27C

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

## FIELD MEASUREMENTS

Sample date: 08/05/94  
Depth to water: 55.45 ft (16.90 m) below TOC  
Water elevation: 220.55 ft (67.22 m) msl  
Sp. conductance: 118 µS/cm  
Turbidity: 0.8 NTU  
Water evacuated before sampling: 209 gal

Time: 11:47  
pH: 7.3  
Alkalinity: 42 mg/L  
Water temperature: 20.1 °C  
Volumes purged: 4.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1	J1	pH	0	GE
•		pH	7.2	1	J1	pH	0	GE
•		pH	7.2	1	J1	pH	0	GE
•		pH	7.5	1	J3	pH	0	WA
•		pH	7.0	1	J3	pH	0	WA
		Specific conductance	108	1		µS/cm	0	GE
		Specific conductance	106	1		µS/cm	0	GE
		Specific conductance	107	1		µS/cm	0	GE
		Specific conductance	93	1		µS/cm	0	WA
		Specific conductance	93	1		µS/cm	0	WA
•		Turbidity	0.63	1	J1	NTU	0	GE
•		Turbidity	0.38	1	J1	NTU	0	GE
•		Turbidity	0.58	1	J3	NTU	0	WA
•		Turbidity	0.45	1	J3	NTU	0	WA
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<9.9	1		µg/L	0	GE
		Acetophenone	<11	1.1		µg/L	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	66	1		µg/L	2	GE
		Aluminum, total recoverable	59	1		µg/L	2	GE
		Aluminum, total recoverable	59	1		µg/L	2	GE
		Aluminum, total recoverable	81	1		µg/L	2	WA
		Aluminum, total recoverable	122	1		µg/L	2	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	J3	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

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WELL BGO 27C collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		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	20,600	1		µg/L	0	GE
		Calcium, total recoverable	20,600	1		µg/L	0	GE
		Calcium, total recoverable	20,700	1		µg/L	0	GE
		Calcium, total recoverable	18,300	1	V	µg/L	0	WA
		Calcium, total recoverable	18,300	1	V	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	2,010	1		µg/L	0	GE
		Chloride	2,020	1		µg/L	0	GE
		Chloride	1,980	1		µg/L	0	GE
		Chloride	2,260	1		µg/L	0	WA
		Chloride	2,250	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)	1.5	1	J3	µg/L	0	WA
		Chloromethane (Methyl chloride)	1.2	1	J3	µg/L	0	WA

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WELL BGO 27C collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		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	7.8	1		µg/L	0	GE
		Copper, total recoverable	8.9	1		µg/L	0	GE
		Copper, total recoverable	9.1	1		µg/L	0	GE
		Copper, total recoverable	7.8	1		µg/L	0	WA
		Copper, total recoverable	7.2	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
		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	JV2	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1	JV2	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	<0.0015	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04		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
		Endrin	<0.0059	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 27C collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.11	1.08		µg/L	0	WA
		Endrin	<0.11	1.1		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	88	1		µg/L	0	GE
		Fluoride	90	1		µg/L	0	GE
		Fluoride	90	1		µg/L	0	GE
		Fluoride	132	1		µg/L	0	WA
		Fluoride	114	1		µg/L	0	WA
		Iron, total recoverable	12	1		µg/L	0	GE
		Iron, total recoverable	12	1		µg/L	0	GE
		Iron, total recoverable	12	1		µg/L	0	GE
		Iron, total recoverable	11	1		µg/L	0	WA
		Iron, total recoverable	18	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	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.054	1.08		µg/L	0	WA
		Lindane	<0.055	1.1		µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	GE
		Lithium, total recoverable	<5.0	1		µg/L	0	GE
		Lithium, total recoverable	<5.0	1		µg/L	0	GE
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	291	1		µg/L	0	GE
		Magnesium, total recoverable	289	1		µg/L	0	GE
		Magnesium, total recoverable	292	1		µg/L	0	GE
		Magnesium, total recoverable	271	1	V	µg/L	0	WA
		Magnesium, total recoverable	267	1	V	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	<2.0	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	<0.54	1.08		µg/L	0	WA
		Methoxychlor	<0.55	1.1		µg/L	0	WA
		Naphthalene	<10	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
		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	980	5		µg/L	0	WA
		Nitrate as nitrogen	1,020	5		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 27C collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nitrate-nitrite as nitrogen	970	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	989	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	<500	1		µg/L	0	GE
		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
		Silica, total recoverable	9,600	1		µg/L	0	GE
		Silica, total recoverable	9,610	1		µg/L	0	GE
		Silica, total recoverable	9,680	1		µg/L	0	GE
		Silica, total recoverable	8,700	2.1	V	µg/L	0	WA
		Silica, total recoverable	9,020	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	1,570	1		µg/L	0	GE
		Sodium, total recoverable	1,580	1		µg/L	0	GE
		Sodium, total recoverable	1,600	1		µg/L	0	GE
		Sodium, total recoverable	1,580	1	V	µg/L	0	WA
		Sodium, total recoverable	1,600	1	V	µg/L	0	WA
		Sulfate	1,330	1	J3	µg/L	0	GE
		Sulfate	1,380	1	J3	µg/L	0	GE
		Sulfate	1,320	1	J3	µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	WA
		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	J3	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	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	68,000	1		µg/L	0	GE
		Total dissolved solids	64,000	1		µg/L	0	GE
		Total dissolved solids	65,000	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 27C collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total dissolved solids	89,000	1		µg/L	0	WA
		Total dissolved solids	91,000	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	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	11	1		µg/L	0	GE
		Total organic halogens	12	1		µg/L	0	GE
		Total organic halogens	15	1		µg/L	0	GE
		Total organic halogens	22	1		µg/L	0	WA
		Total organic halogens	24	1		µg/L	0	WA
		Total phosphates (as P)	6,530	4	JV2	µg/L	0	GE
		Total phosphates (as P)	1,830	1	JV2	µg/L	0	GE
		Total phosphates (as P)	172	1		µg/L	0	WA
		Total phosphates (as P)	211	1		µg/L	0	WA
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<1.1	1.08		µg/L	0	WA
		Toxaphene	<1.1	1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.53	1.06		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04		µg/L	0	WA
		Tributyl phosphate	<10	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
		1,1,1-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	23	1		µg/L	2	GE
■		Trichloroethylene	23	1		µg/L	2	GE
■		Trichloroethylene	23	1		µg/L	2	WA
■		Trichloroethylene	23	1		µg/L	2	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
		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	7.3E-01	1	UI	pCi/L	0	GP
		Gross alpha	-3.0E-01	1	UI	pCi/L	0	GP
		Gross alpha	-1.0E-01	1	UI	pCi/L	0	TM
		Gross alpha	-5.0E-01	1	UI	pCi/L	0	TM
		Gross alpha	-4.0E-01	1	UI	pCi/L	0	TM

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 27C collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	1.4E+00	1	UI	pCi/L	0	GP
		Nonvolatile beta	3.7E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	4.0E-01	1	UI	pCi/L	0	TM
		Nonvolatile beta	1.0E+00	1	UI	pCi/L	0	TM
		Nonvolatile beta	5.0E-01	1	UI	pCi/L	0	TM
		Radium-226	8.0E-02	1	UIV	pCi/L	0	TM
		Radium-226	1.1E-01	1	JV1	pCi/L	0	TM
		Radium-226	1.5E-01	1	UIV1	pCi/L	0	TM
		Radium-228	4.0E-01	1	UIV	pCi/L	0	TM
		Radium-228	0.0E+00	1	UIV	pCi/L	0	TM
		Radium-228	7.0E-01	1	UIV	pCi/L	0	TM
		Radium, total alpha-emitting	-1.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
■		Tritium	7.8E+01	1		pCi/mL	2	GP
■		Tritium	7.4E+01	1		pCi/mL	2	GP
■		Tritium	6.9E+01	1	V	pCi/mL	2	TM
■		Tritium	7.1E+01	1	V	pCi/mL	2	TM
■		Tritium	7.4E+01	1	V	pCi/mL	2	TM
		Uranium-233/234	4.6E-02	1	UI	pCi/L	0	CN
		Uranium-233/234	1.1E-01	1	UI	pCi/L	0	CN
		Uranium-233/234	1.2E-01	1	UI	pCi/L	0	GP
		Uranium-233/234	5.2E-03	1	UI	pCi/L	0	GP
		Uranium-235	-7.6E-03	1	UI	pCi/L	0	CN
		Uranium-235	2.1E-02	1	UI	pCi/L	0	CN
		Uranium-235	7.8E-03	1	UI	pCi/L	0	GP
		Uranium-235	-1.1E-04	1	UI	pCi/L	0	GP
		Uranium-238	-1.2E-02	1	UI	pCi/L	0	CN
		Uranium-238	3.6E-02	1	UI	pCi/L	0	CN
		Uranium-238	3.9E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.6E-02	1	UI	pCi/L	0	GP

WELL BGO 27D

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

FIELD MEASUREMENTS

Sample date: 08/05/94  
Depth to water: 49.03 ft (14.94 m) below TOC  
Water elevation: 227.27 ft (69.27 m) msl  
Sp. conductance: 35  $\mu$ S/cm  
Turbidity: 12.0 NTU  
Water evacuated before sampling: 15 gal  
The well went dry during purging.

Time: 11:05  
pH: 5.2  
Alkalinity: 1 mg/L  
Water temperature: 22.0 °C

Volumes purged: 1.3 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	J3	pH	0	WA
		Specific conductance	27	1		$\mu$ S/cm	0	WA
•		Turbidity	3.6	1	J3	NTU	0	WA
•		Turbidity	3.6	1	J3	NTU	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 27D collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	620	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	15	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	666	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	1,730	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	1.3	1	J3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	44	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	4.2	1	J3	µg/L	1	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.05		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	512	1		µg/L	2	WA
		Lead, total recoverable	15	1		µg/L	0	WA
		Lindane	<0.053	1.05		µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	1,100	1	V	µg/L	0	WA
		Manganese, total recoverable	19	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.05		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	1,630	5		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	1,020	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	3,840	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,050	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA

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WELL BGO 27D collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	41,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	15	1		µg/L	0	WA
		Total phosphates (as P)	67	1		µg/L	0	WA
		Toxaphene	<1.0	1.05		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	2.8E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	2.8E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1	J3	pCi/L	0	GP
■		Tritium	6.6E+01	1		pCi/mL	2	GP
		Uranium-233/234	6.5E-02	1	UI	pCi/L	0	GP
		Uranium-235	-9.6E-03	1	UI	pCi/L	0	GP
		Uranium-238	7.4E-02	1	UI	pCi/L	0	GP

WELL BGO 28D

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

FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 51.75 ft (15.77 m) below TOC  
Water elevation: 225.65 ft (68.78 m) msl  
Sp. conductance: 98 µS/cm  
Turbidity: 93.4 NTU  
Water evacuated before sampling: 8 gal  
The well went dry during purging.

Time: 10:50  
pH: 5.6  
Alkalinity: 4 mg/L  
Water temperature: 23.3 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	JY3	pH	0	WA
		Specific conductance	74	1	Y	µS/cm	0	WA
•		Turbidity	23	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	1,100	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	25	1	Y	µg/L	0	WA
		Benzene	2.6	2	JY3	µg/L	1	WA
		Bromodichloromethane	<10	2	Y	µg/L	0	WA
		Bromoform	<10	2	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<20	2	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 28D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Calcium, total recoverable	3,220	1	Y	µg/L	0	WA
		Carbon tetrachloride	<10	2	Y	µg/L	0	WA
		Chloride	11,600	1	Y	µg/L	0	WA
		Chloride	11,300	1	Y	µg/L	0	WA
		Chlorobenzene	<10	2	Y	µg/L	0	WA
		Chloroethane	<20	2	Y	µg/L	0	WA
■		Chloroethene (Vinyl chloride)	85	2	Y	µg/L	2	WA
		2-Chloroethyl vinyl ether	<20	2	Y	µg/L	0	WA
		Chloroform	<10	2	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<20	2	Y	µg/L	0	WA
		Chromium, total recoverable	14	1	Y	µg/L	0	WA
		Copper, total recoverable	8.8	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<10	2	Y	µg/L	0	WA
		1,1-Dichloroethane	18	2	Y	µg/L	2	WA
		1,2-Dichloroethane	<10	2	Y	µg/L	0	WA
		1,1-Dichloroethylene	<10	2	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<10	2	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<10	2	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		1,2-Dichloropropane	<10	2	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<10	2	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<10	2	Y	µg/L	0	WA
		Endrin	<0.11	1.05	Y	µg/L	0	WA
		Ethylbenzene	<10	2	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	1,560	1	Y	µg/L	2	WA
		Lead, total recoverable	14	1	Y	µg/L	0	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lithium, total recoverable	19	1	Y	µg/L	0	WA
		Magnesium, total recoverable	653	1	Y	µg/L	0	WA
		Manganese, total recoverable	53	1	Y	µg/L	2	WA
		Mercury, total recoverable	0.27	1	Y	µg/L	0	WA
		Mercury, total recoverable	0.26	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	13	1	Y	µg/L	0	WA
		Nitrate as nitrogen	600	10	Y	µg/L	0	WA
●		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	527	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,720	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	6,370	1	Y	µg/L	0	WA
		Sulfate	6,110	1	Y	µg/L	0	WA
		Sulfate	6,090	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<10	2	Y	µg/L	0	WA
		Tetrachloroethylene	<10	2	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<10	2	Y	µg/L	0	WA
		Total dissolved solids	7,000	1	Y	µg/L	0	WA
		Total organic carbon	2,300	1	Y	µg/L	0	WA
		Total organic halogens	649	1	Y	µg/L	2	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 28D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<10	2	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<10	2	Y	µg/L	0	WA
■		Trichloroethylene	163	2	Y	µg/L	2	WA
		Trichlorofluoromethane	<10	2	Y	µg/L	0	WA
		Vanadium, total recoverable	3.3	1	Y	µg/L	0	WA
		Xylenes	5.5	2	JY3	µg/L	0	WA
		Gross alpha	4.1E+00	1		pCi/L	0	GP
		Nonvolatile beta	9.2E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.3E+00	1		pCi/L	0	GP
		Total activity	1.7E+08	250		pCi/L	0	EM
■		Tritium	2.0E+05	1		pCi/mL	2	GP
		Uranium-233/234	5.6E-01	1	UI	pCi/L	0	GP
		Uranium-235	-1.4E-01	1	UI	pCi/L	0	GP
		Uranium-238	1.1E+00	1	J	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: 08/16/94

Depth to water: 105.02 ft (32.01 m) below TOC

Water elevation: 159.18 ft (48.52 m) msl

Sp. conductance: 117 µS/cm

Turbidity: 15.2 NTU

Water evacuated before sampling: 39 gal

The well went dry during purging.

Time: 11:07

pH: 7.3

Alkalinity: 35 mg/L

Water temperature: 20.7 °C

Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.1	1	JY3	pH	0	WA
		Specific conductance	141	1	Y	µS/cm	0	WA
•		Turbidity	4.3	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	1,230	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	22	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 29A collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	17,400	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	1,750	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	6.1	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<94	1	JVY2	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 29A collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	914	1	Y	µg/L	2	WA
		Lead, total recoverable	7.5	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	523	1	Y	µg/L	0	WA
		Manganese, total recoverable	20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	4.5	1	Y	µg/L	0	WA
		Nitrate as nitrogen	885	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	611	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	11,800	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,970	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	134,000	1	Y	µg/L	0	WA
		Total organic carbon	1,900	1	JY3	µg/L	0	WA
		Total organic halogens	8.8	1	Y	µg/L	0	WA
		Total organic halogens	8.8	1	Y	µg/L	0	WA
		Total phosphates (as P)	3,520	10	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	3.0	1	JY3	µg/L	1	WA
		Trichloroethylene	2.9	1	JY3	µg/L	1	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.1E+00	1	UI	pCi/L	0	GP
		Gross alpha	4.2E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 29A collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	1.3E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1	J3	pCi/L	0	GP
		Tritium	1.3E+01	1		pCi/mL	1	GP
		Uranium-233/234	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	5.2E-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 <sub>1</sub> )
E54099.1	81.671154 °W					

## FIELD MEASUREMENTS

Sample date: 08/16/94  
Depth to water: 42.39 ft (12.92 m) below TOC  
Water elevation: 222.41 ft (67.79 m) msl  
Sp. conductance: 35 µS/cm  
Turbidity: 1.4 NTU  
Water evacuated before sampling: 30 gal  
The well went dry during purging.

Time: 10:45  
pH: 5.4  
Alkalinity: 1 mg/L  
Water temperature: 20.3 °C

Volumes purged: 1.0 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.5	1	JY3	pH	0	WA
•		pH	6.4	1	JY3	pH	0	WA
		Specific conductance	43	1	Y	µS/cm	0	WA
		Specific conductance	42	1	Y	µS/cm	0	WA
•		Turbidity	1.5	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	54	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	19	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	3,310	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,570	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	3.0	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 29C collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.01	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
•		Fluoride	<100	1	JY3	µg/L	0	WA
		Iron, total recoverable	39	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	590	1	Y	µg/L	0	WA
		Manganese, total recoverable	6.2	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,140	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	611	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,160	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,910	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	5,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	16	1	Y	µg/L	0	WA
		Total phosphates (as P)	423	2	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.01	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	1.0	1	JY3	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.6E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	UI	pCi/L	0	GP
■		Tritium	3.1E+02	1		pCi/mL	2	GP
		Uranium-233/234	4.1E-01	1	UI	pCi/L	0	GP
		Uranium-235	3.4E-01	1	UI	pCi/L	0	GP
		Uranium-238	4.3E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>2</sub> )
E54099.4	81.671182 °W					

## FIELD MEASUREMENTS

Sample date: 08/16/94  
Depth to water: 39.75 ft (12.12 m) below TOC  
Water elevation: 225.75 ft (68.81 m) msl  
Sp. conductance: 75 µS/cm  
Turbidity: 106 NTU  
Water evacuated before sampling: 9 gal  
The well went dry during purging.

Time: 10:20  
pH: 4.7  
Alkalinity: 0 mg/L  
Water temperature: 20.8 °C

Volumes purged: 0.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	JY3	pH	0	WA
		Specific conductance	52	1	Y	µS/cm	0	WA
•		Turbidity	94	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	2,110	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	64	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	2,690	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,960	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	13	1	Y	µg/L	0	WA
		Copper, total recoverable	24	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.02	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.05	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 29D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	5,790	1	Y	µg/L	2	WA
		Lead, total recoverable	10	1	Y	µg/L	0	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	850	1	Y	µg/L	0	WA
		Manganese, total recoverable	65	1	Y	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	10	1	Y	µg/L	0	WA
		Nitrate as nitrogen	930	5	Y	µg/L	0	WA
		Potassium, total recoverable	747	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	9,260	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,810	1	Y	µg/L	0	WA
		Sulfate	10,600	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	101,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	JY3	µg/L	0	WA
		Total organic halogens	5.7	1	Y	µg/L	0	WA
		Total organic halogens	7.2	1	Y	µg/L	0	WA
		Total phosphates (as P)	2,820	10	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	13	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	5.5E+00	1		pCi/L	0	GP
		Nonvolatile beta	6.0E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.2E+00	1		pCi/L	0	GP
		Tritium	1.0E+01	1		pCi/mL	1	GP
		Uranium-233/234	-1.6E-02	1	UI	pCi/L	0	GP
		Uranium-235	-3.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	-5.2E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>2</sub> )
E54099.4	81.671182 °W					

### FIELD MEASUREMENTS

Sample date: 08/26/94  
Depth to water: 39.79 ft (12.13 m) below TOC  
Water elevation: 225.71 ft (68.80 m) msl  
Sp. conductance: 57 µS/cm  
Turbidity: 46.4 NTU  
Water evacuated before sampling: 11 gal  
The well went dry during purging.

Time: 10:15  
pH: 4.9  
Alkalinity: 0 mg/L  
Water temperature: 19.6 °C  
Volumes purged: 1.0 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Phenols	<5.0	1	Y	µg/L	0	WA

## 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 <sub>1</sub> )
E54512.3	81.669296 °W					

### FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 55.67 ft (16.97 m) below TOC  
Water elevation: 218.83 ft (66.70 m) msl  
Sp. conductance: 42 µS/cm  
Turbidity: 16.9 NTU  
Water evacuated before sampling: 25 gal  
The well went dry during purging.

Time: 10:03  
pH: 6.2  
Alkalinity: 7 mg/L  
Water temperature: 23.1 °C  
Volumes purged: 0.9 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.2	1	JY3	pH	0	WA
		Specific conductance	32	1	Y	µS/cm	0	WA
•		Turbidity	16	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	187	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	9.7	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	2,260	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,730	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 30C collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	3.7	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	104	1	Y	µg/L	0	WA
		Iron, total recoverable	436	1	Y	µg/L	2	WA
		Lead, total recoverable	3.8	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	12	1	Y	µg/L	0	WA
		Magnesium, total recoverable	204	1	Y	µg/L	0	WA
		Manganese, total recoverable	12	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	281	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,910	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,320	1	Y	µg/L	0	WA
		Sulfate	1,100	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	19,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	18	1	Y	µg/L	0	WA
		Total organic halogens	16	1	Y	µg/L	0	WA
		Total phosphates (as P)	330	2	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	8.9	1	Y	µg/L	2	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 30C collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	8.7E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	2.4E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	UI	pCi/L	0	GP
		Total activity	4.2E+05	1		pCi/L	0	EM
■		Tritium	4.5E+02	1		pCi/mL	2	GP
		Uranium-233/234	3.1E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	4.5E-01	1	UI	pCi/L	0	GP

## WELL BGO 30D

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

## FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 49.72 ft (15.15 m) below TOC  
Water elevation: 225.08 ft (68.61 m) msl  
Sp. conductance: 113 µS/cm  
Turbidity: 10.2 NTU  
Water evacuated before sampling: 13 gal  
The well went dry during purging.

Time: 10:21  
pH: 5.4  
Alkalinity: 7 mg/L  
Water temperature: 22.6 °C

Volumes purged: 1.1 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.5	1	JY3	pH	0	WA
		Specific conductance	92	1	Y	µS/cm	0	WA
•		Turbidity	3.3	1	JY	NTU	0	WA
•		Turbidity	3.3	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	394	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	36	1	Y	µg/L	0	WA
		Benzene	1.7	1	JY3	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	5,340	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	18,800	10	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
■		Chloroethene (Vinyl chloride)	14	1	Y	µg/L	2	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	41	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 30D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	5.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	40	1	Y	µg/L	2	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
■		1,1-Dichloroethylene	8.1	1	Y	µg/L	2	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	2.6	1	JY3	µg/L	1	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<1.1	10.7	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	564	1	Y	µg/L	2	WA
		Lead, total recoverable	26	1	Y	µg/L	1	WA
		Lindane	<0.54	10.7	Y	µg/L	0	WA
		Lithium, total recoverable	8.2	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,370	1	Y	µg/L	0	WA
		Manganese, total recoverable	90	1	Y	µg/L	2	WA
		Mercury, total recoverable	0.32	1	Y	µg/L	0	WA
		Methoxychlor	<5.4	10.7	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	7.5	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,690	10	Y	µg/L	0	WA
		Nitrate as nitrogen	1,670	10	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	9,020	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	10,700	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	4.0	1	JY3	µg/L	1	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	78,000	1	Y	µg/L	0	WA
		Total organic carbon	2,200	1	Y	µg/L	0	WA
		Total organic halogens	646	1	Y	µg/L	2	WA
		Total phosphates (as P)	334	2	Y	µg/L	0	WA
		Toxaphene	<11	10.7	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	79	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	9.6	1	Y	µg/L	0	WA
		Gross alpha	6.8E+00	1		pCi/L	0	GP
		Nonvolatile beta	5.3E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	6.2E+00	1		pCi/L	0	GP
		Total activity	3.5E+07	50		pCi/L	0	EM

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 30D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
■		Tritium	3.8E+04	1		pCi/mL	2	GP
		Uranium-233/234	6.1E-01	1	UI	pCi/L	0	GP
		Uranium-235	5.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	6.6E-01	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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 48.21 ft (14.69 m) below TOC  
Water elevation: 224.89 ft (68.55 m) msl  
Sp. conductance: 29 µS/cm  
Turbidity: 6.6 NTU  
Water evacuated before sampling: 24 gal  
The well went dry during purging.

Time: 9:35  
pH: 5.3  
Alkalinity: 1 mg/L  
Water temperature: 22.1 °C

Volumes purged: 0.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1	JY3	pH	0	WA
•		pH	5.4	1	JY3	pH	0	WA
		Specific conductance	22	1	Y	µS/cm	0	WA
		Specific conductance	22	1	Y	µS/cm	0	WA
•		Turbidity	3.8	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	58	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	4.8	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,030	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,370	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 31C collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	76	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	344	1	Y	µg/L	0	WA
		Manganese, total recoverable	6.1	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,060	5	Y	µg/L	0	WA
		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,750	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,250	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	25,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	14	1	Y	µg/L	0	WA
		Total organic halogens	19	1	Y	µg/L	0	WA
		Total phosphates (as P)	135	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.09	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.9E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	4.1E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1	J3	pCi/L	0	GP
		Total activity	1.0E+07	10		pCi/L	0	EM
■		Tritium	2.5E+03	1		pCi/mL	2	GP
		Uranium-233/234	1.3E+00	1	J	pCi/L	0	GP
		Uranium-235	-1.9E-01	1	UI	pCi/L	0	GP
		Uranium-238	3.8E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>2</sub> )
E54841.7	81.668048 °W					

## FIELD MEASUREMENTS

Sample date: 08/10/94  
 Depth to water: 47.67 ft (14.53 m) below TOC  
 Water elevation: 226.03 ft (68.89 m) msl  
 Sp. conductance: 36  $\mu$ S/cm  
 Turbidity: 21.5 NTU  
 Water evacuated before sampling: 8 gal  
 The well went dry during purging.

Time: 9:12  
 pH: 4.9  
 Alkalinity: 0 mg/L  
 Water temperature: 21.1 °C

Volumes purged: 0.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.8	1	JY3	pH	0	WA
•		pH	4.8	1	JY3	pH	0	WA
		Specific conductance	30	1	Y	$\mu$ S/cm	0	WA
		Specific conductance	30	1	Y	$\mu$ S/cm	0	WA
		Turbidity	11	1	Y	NTU	0	WA
		Turbidity	11	1	Y	NTU	0	WA
		Acetophenone	<11	1.1	Y	$\mu$ g/L	0	WA
		Aluminum, total recoverable	341	1	Y	$\mu$ g/L	2	WA
		Aluminum, total recoverable	300	1	Y	$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1	JY3	$\mu$ g/L	0	WA
		Antimony, total recoverable	<3.0	1	JY3	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	6.3	1	JY3	$\mu$ g/L	0	WA
		Barium, total recoverable	6.3	1	JY3	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	JY3	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	JY3	$\mu$ g/L	0	WA
		Calcium, total recoverable	509	1	JVY3	$\mu$ g/L	0	WA
		Calcium, total recoverable	504	1	JVY3	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	3,530	1	Y	$\mu$ g/L	0	WA
		Chloride	3,420	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		Chromium, total recoverable	5.7	1	JY3	$\mu$ g/L	0	WA
		Chromium, total recoverable	5.2	1	JY3	$\mu$ g/L	0	WA
		Copper, total recoverable	5.5	1	JY3	$\mu$ g/L	0	WA
		Copper, total recoverable	5.8	1	JY3	$\mu$ g/L	0	WA
		Cyanide	<5.0	1	Y	$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 31D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	1,210	1	Y	µg/L	2	WA
		Iron, total recoverable	1,130	1	Y	µg/L	2	WA
		Lead, total recoverable	6.0	1	Y	µg/L	0	WA
		Lead, total recoverable	7.1	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,130	1	JVY3	µg/L	0	WA
		Magnesium, total recoverable	1,130	1	JVY3	µg/L	0	WA
		Manganese, total recoverable	8.5	1	JY3	µg/L	0	WA
		Manganese, total recoverable	8.3	1	JY3	µg/L	0	WA
		Mercury, total recoverable	0.22	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	4.2	1	JY3	µg/L	0	WA
		Nickel, total recoverable	5.1	1	JY3	µg/L	0	WA
		Nitrate as nitrogen	1,040	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	JY3	µg/L	0	WA
		Potassium, total recoverable	<500	1	JY3	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Silica, total recoverable	5,670	2.1	JVY3	µg/L	0	WA
		Silica, total recoverable	5,500	2.1	JVY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JVY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JVY3	µg/L	0	WA
		Sodium, total recoverable	1,130	1	JVY3	µg/L	0	WA
		Sodium, total recoverable	1,100	1	JVY3	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	JY3	µg/L	0	WA
		Tin, total recoverable	<17	1	JY3	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	776,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	17	1	Y	µg/L	0	WA
		Total phosphates (as P)	66	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 31D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	JY3	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	JY3	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	2.9E+00	1	J3	pCi/L	0	GP
		Gross alpha	2.9E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	3.2E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.2E+00	1	J3	pCi/L	0	GP
■		Tritium	7.9E+01	1		pCi/mL	2	GP
		Uranium-233/234	6.4E-02	1	UI	pCi/L	0	GP
		Uranium-235	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-238	1.0E-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 E55250.2	33.281195 °N 81.666471 °W	234.5-214.5 ft msl	281.7 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 54.76 ft (16.69 m) below TOC  
Water elevation: 226.94 ft (69.17 m) msl  
Sp. conductance: 78 µS/cm  
Turbidity: 37.0 NTU  
Water evacuated before sampling: 5 gal  
The well went dry during purging.

Time: 8:47  
pH: 4.7  
Alkalinity: 0 mg/L  
Water temperature: 21.7 °C

Volumes purged: 0.6 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.7	1	JY3	pH	0	WA
		Specific conductance	69	1	Y	µS/cm	0	WA
•		Turbidity	29	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	1,900	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	51	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	591	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	8,070	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 32D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	4.1	1	JY3	µg/L	0	WA
		Chromium, total recoverable	7.6	1	Y	µg/L	0	WA
		Copper, total recoverable	184	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	5,830	1	Y	µg/L	2	WA
		Lead, total recoverable	30	1	Y	µg/L	1	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	962	1	Y	µg/L	0	WA
		Manganese, total recoverable	29	1	Y	µg/L	1	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	4.4	1	Y	µg/L	0	WA
		Nitrate as nitrogen	4,190	10	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	529	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,690	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	4,930	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
■		Tetrachloroethylene	8.0	1	Y	µg/L	2	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	10,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	20	1	Y	µg/L	0	WA
		Total organic halogens	21	1	Y	µg/L	0	WA
		Total phosphates (as P)	145	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	8.8	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
■		Gross alpha	2.1E+01	1		pCi/L	2	GP
		Nonvolatile beta	1.5E+01	1		pCi/L	0	GP
		Radium, total alpha-emitting	8.0E+00	1		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 32D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total activity	3.3E+05	1		pCi/L	0	EM
■		Tritium	6.7E+02	1		pCi/mL	2	GP
		Uranium-233/234	2.4E-01	1	UI	pCi/L	0	GP
		Uranium-235	8.8E-02	1	UI	pCi/L	0	GP
		Uranium-238	6.4E-02	1	UI	pCi/L	0	GP

## WELL BGO 33C

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

## FIELD MEASUREMENTS

Sample date: 08/08/94  
Depth to water: 54.80 ft (16.70 m) below TOC  
Water elevation: 224.60 ft (68.46 m) msl  
Sp. conductance: 57 µS/cm  
Turbidity: 0.8 NTU  
Water evacuated before sampling: 196 gal

Time: 8:55  
pH: 5.6  
Alkalinity: 5 mg/L  
Water temperature: 20.0 °C  
Volumes purged: 6.4 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1	JY3	pH	0	WA
		Specific conductance	48	1	Y	µS/cm	0	WA
•		Turbidity	0.38	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	90	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	11	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	4,250	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	1,450	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	13	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 33C collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
•		Endrin	<0.11	1.06	JY3	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	17	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
•		Lindane	<0.053	1.06	JY3	µg/L	0	WA
		Magnesium, total recoverable	652	1	Y	µg/L	0	WA
		Manganese, total recoverable	32	1	Y	µg/L	1	WA
■		Mercury, total recoverable	3.4	1	Y	µg/L	2	WA
•		Methoxychlor	<0.53	1.06	JY3	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,070	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	596	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	10,500	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,280	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	4.5	1	JY3	µg/L	1	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	82,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	121	2	Y	µg/L	2	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
•		Toxaphene	<1.1	1.06	JY3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	27	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	2.7E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	2.6E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	1.8E+00	1		pCi/L	0	GP
		Total activity	9.7E+06	10		pCi/L	0	EM
■		Tritium	1.0E+04	1		pCi/mL	2	GP
		Uranium-233/234	9.4E-01	1	UI	pCi/L	0	GP
		Uranium-235	2.5E-01	1	UI	pCi/L	0	GP
		Uranium-238	2.2E+00	1		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 33D

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

## FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 50.67 ft (15.44 m) below TOC  
Water elevation: 229.63 ft (69.99 m) msl  
Sp. conductance: 70  $\mu$ S/cm  
Turbidity: 37.3 NTU  
Water evacuated before sampling: 8 gal  
The well went dry during purging.

Time: 8:21  
pH: 4.9  
Alkalinity: 0 mg/L  
Water temperature: 20.3 °C

Volumes purged: 0.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.7	1	JY3	pH	0	WA
		Specific conductance	57	1	Y	$\mu$ S/cm	0	WA
		Turbidity	17	1	Y	NTU	0	WA
•		Acetophenone	<10	1	JY3	$\mu$ g/L	0	WA
		Aluminum, total recoverable	496	1	Y	$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	13	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Calcium, total recoverable	1,060	1	VY	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	8,100	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 33D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	2.7	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.5	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.6	1	JY3	µg/L	0	WA
		Chromium, total recoverable	4.3	1	Y	µg/L	0	WA
		Copper, total recoverable	5.7	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<4.0	1	JVY2	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	1,580	1	Y	µg/L	2	WA
		Lead, total recoverable	6.9	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,210	1	VY	µg/L	0	WA
		Manganese, total recoverable	7.3	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,800	5	Y	µg/L	0	WA
		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	1,260	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	4,510	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	3,860	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 33D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	68,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	7.7	1	Y	µg/L	0	WA
		Total phosphates (as P)	2,180	5	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	3.4	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	4.5E+00	1		pCi/L	0	GP
		Nonvolatile beta	4.3E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.1E+00	1		pCi/L	0	GP
■		Tritium	2.3E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	3.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	4.0E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



## 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 <sub>2</sub> )

### FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 42.70 ft (13.02 m) below TOC  
Water elevation: 232.20 ft (70.78 m) msl  
Sp. conductance: 38 µS/cm  
Turbidity: 3.8 NTU  
Water evacuated before sampling: 14 gal  
The well went dry during purging.

Time: 7:51  
pH: 5.7  
Alkalinity: 5 mg/L  
Water temperature: 19.7 °C

Volumes purged: 1.1 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.3	1	JY3	pH	0	WA
		Specific conductance	36	1	Y	µS/cm	0	WA
		Turbidity	1.5	1	Y	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	262	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	21	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	3,280	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,850	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.6	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	36	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 34D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	9.9	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	713	1	VY	µg/L	0	WA
		Manganese, total recoverable	5.2	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	864	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,910	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	1,560	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	<1,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	9.3	1	Y	µg/L	0	WA
		Total organic halogens	9.1	1	Y	µg/L	0	WA
		Total phosphates (as P)	170	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.09	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.9E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	2.6E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1	J3	pCi/L	0	GP
■		Tritium	2.5E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.3E-01	1	UI	pCi/L	0	GP
		Uranium-235	7.5E-02	1	UI	pCi/L	0	GP
		Uranium-238	2.9E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 35C

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

## FIELD MEASUREMENTS

Sample date: 08/05/94  
Depth to water: 45.02 ft (13.72 m) below TOC  
Water elevation: 228.38 ft (69.61 m) msl  
Sp. conductance: 48 µS/cm  
Turbidity: 0.2 NTU  
Water evacuated before sampling: 203 gal

Time: 13:58  
pH: 6.4  
Alkalinity: 8 mg/L  
Water temperature: 20.1 °C

Volumes purged: 4.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	J3	pH	0	WA
		Specific conductance	37	1		µS/cm	0	WA
•		Turbidity	<0.20	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	<20	1		µg/L	0	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	10	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	4,920	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,140	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	1.1	1	J3	µg/L	0	WA
		Chromium, 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	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	4.6	1		µg/L	1	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.06		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	<4.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 35C collected on 08/05/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.053	1.06		µg/L	0	WA
		Lithium, total recoverable	7.0	1		µg/L	0	WA
		Magnesium, total recoverable	359	1	V	µg/L	0	WA
		Manganese, total recoverable	6.7	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.06		µg/L	0	WA
		Naphthalene	<20	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	1,080	5		µg/L	0	WA
		Nitrate as nitrogen	1,080	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	8,330	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,750	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	61,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	8.9	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Toxaphene	<1.1	1.06		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05		µg/L	0	WA
		Tributyl phosphate	<20	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		Trichloroethylene	4.9	1		µg/L	1	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	1.1E+00	1	J3	pCi/L	0	GP
		Gross alpha	1.5E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	-7.2E-02	1	UI	pCi/L	0	GP
		Nonvolatile beta	9.4E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J3	pCi/L	0	GP
■		Tritium	2.5E+01	1		pCi/mL	2	GP
		Uranium-233/234	-7.4E-04	1	UI	pCi/L	0	GP
		Uranium-235	-1.9E-04	1	UI	pCi/L	0	GP
		Uranium-238	2.8E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 39.37 ft (12.00 m) below TOC  
Water elevation: 234.13 ft (71.36 m) msl  
Sp. conductance: 39 µS/cm  
Turbidity: 54.9 NTU  
Water evacuated before sampling: 8 gal  
The well went dry during purging.

Time: 7:30  
pH: 4.7  
Alkalinity: 0 mg/L  
Water temperature: 20.2 °C

Volumes purged: 0.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.5	1	JY3	pH	0	WA
		Specific conductance	37	1	Y	µS/cm	0	WA
		Turbidity	44	1	Y	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	829	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	21	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	<418	1	JVY2	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,250	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	4.2	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	6.4	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	1,710	1	Y	µg/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 35D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	5.3	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	263	1	VY	µg/L	0	WA
		Manganese, total recoverable	3.5	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,960	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,400	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	3,590	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	36,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	181	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	3.6	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.6E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1	UI	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	1.3E-01	1	UI	pCi/L	0	GP
		Uranium-235	-2.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	2.6E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

**WELL BGO 36D**

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

**FIELD MEASUREMENTS**

Sample date: 08/10/94  
 Depth to water: 38.50 ft (11.73 m) below TOC  
 Water elevation: 236.90 ft (72.21 m) msl  
 Sp. conductance: 29  $\mu$ S/cm  
 Turbidity: 48.6 NTU  
 Water evacuated before sampling: 8 gal  
 The well went dry during purging.

Time: 7:07  
 pH: 4.9  
 Alkalinity: 0 mg/L  
 Water temperature: 19.5 °C

Volumes purged: 0.9 well volumes

**LABORATORY ANALYSES**

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.6	1	JY3	pH	0	WA
		Specific conductance	26	1	Y	$\mu$ S/cm	0	WA
		Turbidity	16	1	Y	NTU	0	WA
		Acetophenone	<10	1	Y	$\mu$ g/L	0	WA
		Aluminum, total recoverable	1,520	1	Y	$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	12	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Calcium, total recoverable	<418	1	JVY2	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	3,820	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	4.9	1	JY3	$\mu$ g/L	0	WA
		Chromium, total recoverable	5.7	1	Y	$\mu$ g/L	0	WA
		Copper, total recoverable	121	1	Y	$\mu$ g/L	0	WA
		Cyanide	<5.0	1	Y	$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	$\mu$ g/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	$\mu$ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		Endrin	<0.11	1.07	Y	$\mu$ g/L	0	WA
		Ethylbenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Fluoride	<100	1	Y	$\mu$ g/L	0	WA
		Iron, total recoverable	3,210	1	Y	$\mu$ g/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 36D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	24	1	Y	µg/L	0	WA
		Lindane	<0.054	1.07	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	331	1	VY	µg/L	0	WA
		Manganese, total recoverable	15	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.07	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	5.5	1	Y	µg/L	0	WA
		Nitrate as nitrogen	946	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,930	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	2,590	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	48,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	9.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	209	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.07	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	5.7	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	3.5E+00	1		pCi/L	0	GP
		Nonvolatile beta	1.5E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.4E+00	1	J3	pCi/L	0	GP
■		Tritium	2.9E+01	1		pCi/mL	2	GP
		Uranium-233/234	-9.4E-03	1	UI	pCi/L	0	GP
		Uranium-235	4.4E-02	1	UI	pCi/L	0	GP
		Uranium-238	-1.9E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



## 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 <sub>2</sub> )

### FIELD MEASUREMENTS

Sample date: 08/10/94  
Depth to water: 48.88 ft (14.90 m) below TOC  
Water elevation: 238.42 ft (72.67 m) msl  
Sp. conductance: 32 µS/cm  
Turbidity: 10.8 NTU  
Water evacuated before sampling: 6 gal  
The well went dry during purging.

Time: 6:39  
pH: 5.5  
Alkalinity: 1 mg/L  
Water temperature: 23.3 °C  
Volumes purged: 0.7 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.0	1	JY3	pH	0	WA
		Specific conductance	27	1	Y	µS/cm	0	WA
		Turbidity	15	1	Y	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	120	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	7.2	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	<418	1	JVY2	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	8,880	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.1	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	9.1	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	339	1	Y	µg/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 37D collected on 08/10/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	6.0	1	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	260	1	VY	µg/L	0	WA
		Manganese, total recoverable	9.8	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,900	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	4,590	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	3,440	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	5,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	305	1	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.4E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	8.1E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1	J3	pCi/L	0	GP
■		Tritium	3.3E+01	1		pCi/mL	2	GP
		Uranium-233/234	3.7E-02	1	UI	pCi/L	0	GP
		Uranium-235	-5.6E-02	1	UI	pCi/L	0	GP
		Uranium-238	-1.4E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>2</sub> )

### FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 56.42 ft (17.20 m) below TOC  
Water elevation: 235.18 ft (71.68 m) msl  
Sp. conductance: 37 µS/cm  
Turbidity: 37.1 NTU  
Water evacuated before sampling: 8 gal  
The well went dry during purging.

Time: 12:13  
pH: 4.4  
Alkalinity: 0 mg/L  
Water temperature: 21.7 °C

Volumes purged: 0.9 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.5	1	J3	pH	0	WA
		Specific conductance	31	1		µS/cm	0	WA
		Turbidity	7.6	1		NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	1,110	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	42	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	341	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	3,540	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	5.5	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<37	1	JV2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
•		Endrin	<0.10	1.04	J3	µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	2,780	1		µg/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 38D collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	5.4	1		µg/L	0	WA
•		Lindane	<0.052	1.04	J3	µg/L	0	WA
		Magnesium, total recoverable	488	1		µg/L	0	WA
		Manganese, total recoverable	16	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
•		Methoxychlor	<0.52	1.04	J3	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	1,710	5		µg/L	0	WA
		Nitrate as nitrogen	1,740	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	5,050	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,010	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	16,000	1	V	µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	16	1		µg/L	0	WA
		Total phosphates (as P)	71	1		µg/L	0	WA
•		Toxaphene	<1.0	1.04	J3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03		µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	6.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	4.2E+00	1		pCi/L	0	GP
		Nonvolatile beta	4.1E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1		pCi/L	0	GP
■		Tritium	3.0E+01	1		pCi/mL	2	GP
		Uranium-233/234	2.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	3.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.7E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 39D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73583.5	33.282876 °N	244.7-224.7 ft msl	295.7 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )
E57831.0	81.657454 °W					

### FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 60.67 ft (18.49 m) below TOC  
Water elevation: 235.03 ft (71.64 m) msl  
Sp. conductance: 35 µS/cm  
Turbidity: 18.4 NTU  
Water evacuated before sampling: 5 gal  
The well went dry during purging.

Time: 11:47  
pH: 4.6  
Alkalinity: 0 mg/L  
Water temperature: 26.0 °C

Volumes purged: 0.7 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.6	1	J3	pH	0	WA
		Specific conductance	30	1		µS/cm	0	WA
		Turbidity	9.5	1		NTU	0	WA
		Acetophenone	<10	1		µg/L	0	WA
		Aluminum, total recoverable	257	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	4.6	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	106	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,190	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, 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	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<37	1	JV2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
•		Endrin	<0.10	1.04	J3	µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 39D collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	641	1		µg/L	2	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
•		Lindane	<0.052	1.04	J3	µg/L	0	WA
		Magnesium, total recoverable	95	1		µg/L	0	WA
		Manganese, total recoverable	2.8	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
•		Methoxychlor	<0.52	1.04	J3	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	1,160	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	4,170	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,540	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	191,000	1	V	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)	<50	1		µg/L	0	WA
•		Toxaphene	<1.0	1.04	J3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05		µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	3.0E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	2.4E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	2.5E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.9E+00	1		pCi/L	0	GP
■		Tritium	3.1E+01	1		pCi/mL	2	GP
■		Tritium	3.1E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	3.4E-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 PDWS.

# WELL BGO 40D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76125.8 E54638.6	33.283290 °N 81.670799 °W	226.5-216.6 ft msl	288.4 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/04/94	Time: 7:30
Depth to water: 66.43 ft (20.25 m) below TOC	pH: 6.8
Water elevation: 221.97 ft (67.66 m) msl	Alkalinity: 88 mg/L
Sp. conductance: 238 µS/cm	Water temperature: 21.1 °C
Turbidity: 12.4 NTU	
Water evacuated before sampling: 1 gal	Volumes purged: 0.3 well volumes
There was insufficient water to fill all or some sample bottles.	

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.2	1	JY3	pH	0	WA
		Specific conductance	234	1	Y	µS/cm	0	WA
•		Turbidity	42	1	JY3	NTU	0	WA
		Aluminum, total recoverable	1,320	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	68	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	5,880	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,200	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	1.4	1	JY3	µg/L	0	WA
		Chloroform	1.5	1	JY3	µg/L	0	WA
		Chloroform	1.6	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 40D collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	8.0	1	Y	µg/L	0	WA
		Copper, total recoverable	8.3	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<90	1	JVY2	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<60	1	JVY2	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<60	1	JVY2	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.12	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	2,030	1	Y	µg/L	2	WA
■		Lead, total recoverable	56	1	Y	µg/L	2	WA
		Lindane	<0.056	1.12	Y	µg/L	0	WA
		Lithium, total recoverable	216	1	Y	µg/L	2	WA
		Magnesium, total recoverable	1,350	1	VY	µg/L	0	WA
		Manganese, total recoverable	71	1	Y	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.56	1.12	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	8.4	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,240	5	Y	µg/L	0	WA
		Nitrate as nitrogen	1,240	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	10,600	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,050	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	16,000	1	Y	µg/L	0	WA
		Sulfate	3,670	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 40D collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	150,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	10	1	Y	µg/L	0	WA
		Total phosphates (as P)	93	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.12	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	1.9	1	JY3	µg/L	0	WA
		Trichloroethylene	1.9	1	JY3	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	4.8E-01	1	UIY	pCi/L	0	GP
		Nonvolatile beta	7.2E+00	1	Y	pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1	JY3	pCi/L	0	GP
		Tritium	8.4E+00	1	Y	pCi/mL	0	GP
		Uranium-233/234	1.4E-01	1	UI	pCi/L	0	GP
		Uranium-235	2.0E-01	1	UI	pCi/L	0	GP
		Uranium-238	2.0E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>1</sub> )

### FIELD MEASUREMENTS

Sample date: 08/04/94  
Depth to water: 75.03 ft (22.87 m) below TOC  
Water elevation: 222.87 ft (67.93 m) msl  
Sp. conductance: 46 µS/cm  
Turbidity: 12.7 NTU  
Water evacuated before sampling: 17 gal  
The well went dry during purging.

Time: 12:26  
pH: 5.8  
Alkalinity: 7 mg/L  
Water temperature: 20.5 °C

Volumes purged: 0.7 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1	JY3	pH	0	WA
		Specific conductance	36	1	Y	µS/cm	0	WA
•		Turbidity	3.3	1	JY3	NTU	0	WA
		Acetophenone	<11	1,1	Y	µg/L	0	WA
		Aluminum, total recoverable	54	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	14	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,240	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,210	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	21	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1,02	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1,05	Y	µg/L	0	WA
		Endrin	<0.21	2,11	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 42C collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	472	1	Y	µg/L	2	WA
		Lead, total recoverable	11	1	Y	µg/L	0	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lindane	<0.11	2.11	Y	µg/L	0	WA
		Lithium, total recoverable	5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	508	1	VY	µg/L	0	WA
		Manganese, total recoverable	10	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Methoxychlor	<1.1	2.11	Y	µg/L	0	WA
		Methoxychlor	<1.1	2.11	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	990	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	766	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	10,400	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	4,000	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	41,000	1	Y	µg/L	0	WA
		Total organic carbon	2,000	1	Y	µg/L	0	WA
		Total organic halogens	32	1	Y	µg/L	1	WA
		Total phosphates (as P)	189	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA
		Toxaphene	<2.1	2.11	Y	µg/L	0	WA
		Toxaphene	<2.1	2.11	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	34	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	9.4E-01	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.0E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	J3	pCi/L	0	GP
		Tritium	7.1E+00	1		pCi/mL	0	GP
		Uranium-233/234	1.9E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	3.5E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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: 08/03/94  
Depth to water: 158.50 ft (48.31 m) below TOC  
Water elevation: 155.80'ft (47.49 m) msl  
Sp. conductance: 217  $\mu$ S/cm  
Turbidity: 1.1 NTU  
Water evacuated before sampling: 175 gal

Time: 13:34  
pH: 10.4  
Alkalinity: 92 mg/L  
Water temperature: 20.3 °C

Volumes purged: 2.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.8	1	JY3	pH	1	WA
		Specific conductance	96	1	Y	$\mu$ S/cm	0	WA
		Turbidity	37	1	Y3	NTU	0	WA
		Acetophenone	<11	1.1	Y	$\mu$ g/L	0	WA
		Acetophenone	<22	2.2	Y	$\mu$ g/L	0	WA
		Aluminum, total recoverable	87	1	Y	$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	68	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Calcium, total recoverable	33,200	1	VY	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	2,710	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	$\mu$ g/L	0	WA
		Copper, total recoverable	<4.0	1	Y	$\mu$ g/L	0	WA
		Cyanide	<5.0	1	Y	$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	$\mu$ g/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	$\mu$ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		Endrin	<0.10	1.04	Y	$\mu$ g/L	0	WA
		Ethylbenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Fluoride	<100	1	Y	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 43AA collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	<37	1	JVY2	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	77	1	Y	µg/L	2	WA
		Magnesium, total recoverable	514	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	21	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	6,620	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	25,200	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	5,300	1	VY	µg/L	0	WA
		Sulfate	8,470	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	69,000	1	Y	µg/L	0	WA
		Total organic carbon	2,600	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	914	2	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.7E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	5.6E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UI	pCi/L	0	GP
		Tritium	3.0E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	2.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	8.7E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 43CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77035.2	33.287910 °N	188.4-178.4 ft msl	315.3 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )
E56237.2	81.668356 °W					

## FIELD MEASUREMENTS

Sample date: 08/04/94  
Depth to water: 90.39 ft (27.55 m) below TOC  
Water elevation: 224.91 ft (68.55 m) msl  
Sp. conductance: 135 µS/cm  
Turbidity: 4.6 NTU  
Water evacuated before sampling: 24 gal  
The well went dry during purging.

Time: 9:00  
pH: 6.9  
Alkalinity: 36 mg/L  
Water temperature: 19.6 °C

Volumes purged: 0.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.2	1	JY3	pH	0	WA
		Specific conductance	131	1	Y	µS/cm	0	WA
•		Turbidity	3.2	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	77	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	28	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	17,300	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,980	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<90	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.01	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	157	1	Y	µg/L	1	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 43CR collected on 08/04/94, laboratory analyses (cont.)

H	SI	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	4.2	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,860	1	VY	µg/L	0	WA
		Manganese, total recoverable	29	1	Y	µg/L	1	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	240	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	2,450	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,840	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,830	1	Y	µg/L	0	WA
		Sulfate	16,100	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	89,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	148	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.01	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.2E+01	1		pCi/L	1	GP
		Nonvolatile beta	9.7E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	5.9E+00	1		pCi/L	0	GP
		Tritium	4.2E+00	1		pCi/mL	0	GP
		Uranium-233/234	3.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-238	1.5E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/03/94  
Depth to water: 84.32 ft (25.70 m) below TOC  
Water elevation: 230.98 ft (70.40 m) msl  
Sp. conductance: 69 µS/cm  
Turbidity: 1.9 NTU  
Water evacuated before sampling: 170 gal

Time: 13:08  
pH: 5.5  
Alkalinity: 1 mg/L  
Water temperature: 19.3 °C

Volumes purged: 7.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	JY3	pH	0	WA
		Specific conductance	66	1	Y	µS/cm	0	WA
		Turbidity	1.1	1	Y3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	50	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	13	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	5,600	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,370	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<110	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.05	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 43D collected on 08/03/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	<37	1	JVY2	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,010	1	Y	µg/L	0	WA
		Manganese, total recoverable	7.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	610	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,620	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,180	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,360	1	VY	µg/L	0	WA
		Sulfate	16,100	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	35,000	1	Y	µg/L	0	WA
		Total organic carbon	2,600	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	667	2	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	5.6E+00	1		pCi/L	0	GP
		Nonvolatile beta	3.8E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	3.1E+00	1		pCi/L	0	GP
		Tritium	4.8E+00	1		pCi/mL	0	GP
		Uranium-233/234	1.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	5.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	7.3E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 44A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76755.2	33.289924 °N	108.0-98.0 ft msl	285.3 ft msl	4" PVC	S	U. Congaree (IIA)
E57851.2	81.663562 °W					

### FIELD MEASUREMENTS

Sample date: 08/01/94  
Depth to water: 127.48 ft (38.86 m) below TOC  
Water elevation: 157.82 ft (48.10 m) msl  
Sp. conductance: 199 µS/cm  
Turbidity: 0.4 NTU  
Water evacuated before sampling: 169 gal

Time: 11:22  
pH: 7.1  
Alkalinity: 76 mg/L  
Water temperature: 19.9 °C

Volumes purged: 4.3 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.5	1	J3	pH	1	WA
		Phenols	<5.0	1		pH	0	WA
		Specific conductance	105	1		µS/cm	0	WA
•		Turbidity	0.50	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	22	1		µg/L	0	WA
		Aluminum, total recoverable	<20	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	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	28	1		µg/L	0	WA
		Barium, total recoverable	28	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	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	34,000	1	V	µg/L	0	WA
		Calcium, total recoverable	33,700	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,600	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	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	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 44A collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.2	2.22		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.05		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	5.3	1		µg/L	0	WA
		Iron, total recoverable	4.8	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	<0.053	1.05		µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Lithium, total recoverable	8.3	1		µg/L	0	WA
		Magnesium, total recoverable	753	1		µg/L	0	WA
		Magnesium, total recoverable	746	1		µg/L	0	WA
		Manganese, total recoverable	<2.0	1		µg/L	0	WA
		Manganese, total recoverable	<2.0	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.05		µg/L	0	WA
		Naphthalene	<10	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
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	964	1		µg/L	0	WA
		Potassium, total recoverable	924	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	27,000	2.1	J3	µg/L	0	WA
		Silica, total recoverable	26,800	2.1	J3	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	1,890	1	V	µg/L	0	WA
		Sodium, total recoverable	1,870	1	V	µg/L	0	WA
		Sulfate	5,840	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	141,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	11	1		µg/L	0	WA
		Total phosphates (as P)	1,420	5		µg/L	0	WA
		Toxaphene	<1.0	1.05		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04		µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1	2.22		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	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 PDWS.

WELL BGO 44A collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	1.3E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	6.4E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UJ3I	pCi/L	0	GP
		Tritium	4.2E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	5.5E-02	1	UI	pCi/L	0	GP
		Uranium-235	-1.0E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.6E-01	1	UI	pCi/L	0	GP

## 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: 08/01/94  
Depth to water: 127.30 ft (38.80 m) below TOC  
Water elevation: 158.00 ft (48.16 m) msl  
Sp. conductance: 201 µS/cm  
Turbidity: 0.4 NTU  
Water evacuated before sampling: 277 gal

Time: 11:55  
pH: 10.1  
Alkalinity: 83 mg/L  
Water temperature: 20.3 °C

Volumes purged: 4.4 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	1.4	1	J3	pH	2	WA
		Specific conductance	12,800	1		µS/cm	2	WA
•		Turbidity	0.38	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	162	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	84	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		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	WA
		Calcium, total recoverable	32,800	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,190	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 44AA collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloride	2,230	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		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	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		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)	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		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	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.10	1.04		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	22	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.052	1.04		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 44AA collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lithium, total recoverable	56	1		µg/L	2	WA
		Magnesium, total recoverable	483	1		µg/L	0	WA
		Manganese, total recoverable	<2.0	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.52	1.04		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	<20	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	4,800	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	25,500	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	5,030	1	V	µg/L	0	WA
		Sulfate	9,500	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		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	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	102,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	7.0	1		µg/L	0	WA
		Total phosphates (as P)	2,380	5		µg/L	0	WA
		Toxaphene	<1.0	1.04		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		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	<5.0	1		µg/L	0	WA
		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	0	WA
		Trichloroethylene	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	9.9E-01	1	J3	pCi/L	0	GP
		Nonvolatile beta	4.6E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1	J3	pCi/L	0	GP
		Tritium	2.7E+00	1		pCi/mL	0	GP
		Tritium	2.5E+00	1		pCi/mL	0	GP
		Uranium-233/234	9.1E-02	1	UI	pCi/L	0	GP
		Uranium-235	-4.7E-02	1	UI	pCi/L	0	GP
		Uranium-238	5.7E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/02/94  
Depth to water: 64.45 ft (19.64 m) below TOC  
Water elevation: 220.75 ft (67.29 m) msl  
Sp. conductance: 242 µS/cm  
Turbidity: 33.5 NTU  
Water evacuated before sampling: 41 gal  
The well went dry during purging.

Time: 9:12  
pH: 8.3  
Alkalinity: 103 mg/L  
Water temperature: 19.8 °C

Volumes purged: 0.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.1	1	JY3	pH	1	WA
•		pH	8.2	1	JY3	pH	1	WA
		Specific conductance	234	1	Y	µS/cm	0	WA
		Specific conductance	238	1	Y	µS/cm	0	WA
•		Turbidity	17	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	129	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	2.5	1	Y	µg/L	0	WA
		Barium, total recoverable	108	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	60,500	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,650	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	1.7	1	JY3	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 44B collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	160	1	VY	µg/L	1	WA
		Lead, total recoverable	5.3	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	17	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,090	1	Y	µg/L	0	WA
		Manganese, total recoverable	90	1	Y	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	77	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	2,830	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	34,900	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	5,230	1	VY	µg/L	0	WA
		Sulfate	10,000	2	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	201,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	7.4	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.2E+00	1	UI	pCi/L	0	GP
		Nonvolatile beta	3.2E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	-2.0E-01	1	UI	pCi/L	0	GP
		Total activity	5.1E+04	1		pCi/L	0	EM
■		Tritium	5.6E+01	1		pCi/mL	2	GP
		Uranium-233/234	6.8E-01	1	UI	pCi/L	0	GP
		Uranium-235	-5.1E-03	1	UI	pCi/L	0	GP
		Uranium-238	9.8E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



# WELL BGO 44C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76757.8	33.290001 °N	200.6-190.6 ft msl	285.6 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )
E57894.9	81.663452 °W					

## FIELD MEASUREMENTS

Sample date: 08/02/94  
Depth to water: 65.02 ft (19.82 m) below TOC  
Water elevation: 220.58 ft (67.23 m) msl  
Sp. conductance: 147 µS/cm  
Turbidity: 11.9 NTU  
Water evacuated before sampling: 20 gal  
The well went dry during purging.

Time: 9:42  
pH: 7.6  
Alkalinity: 59 mg/L  
Water temperature: 19.8 °C

Volumes purged: 1.0 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.1	1	J3	pH	1	WA
		Specific conductance	112	1		µS/cm	0	WA
•		Turbidity	5.3	1	J3	NTU	0	WA
•		Turbidity	5.3	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
•		Acetophenone	<10	1	JY3	µg/L	0	WA
•		Acetophenone	<10	1	RY3	µg/L	0	WA
		Aluminum, total recoverable	215	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	32	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	12,000	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,400	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, 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	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	2.5	1	J3	µg/L	1	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 44C collected on 08/02/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	354	1	V	µg/L	2	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.053	1.06		µg/L	0	WA
		Lithium, total recoverable	22	1		µg/L	0	WA
		Magnesium, total recoverable	561	1		µg/L	0	WA
		Manganese, total recoverable	64	1		µg/L	2	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.06		µg/L	0	WA
		Naphthalene	<9.8	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	713	1		µg/L	0	WA
		Phenols	5.6	1		µg/L	0	WA
		Potassium, total recoverable	2,130	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	5,000	2.1	V	µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	5,810	1	V	µg/L	0	WA
		Sulfate	2,380	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	95,000	1	V	µg/L	0	WA
		Total organic carbon	1,400	1		µg/L	0	WA
		Total organic halogens	10	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Toxaphene	<1.1	1.06		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	1.4E+00	1	J3	pCi/L	0	GP
		Gross alpha	1.1E+00	1	UI	pCi/L	0	GP
		Nonvolatile beta	3.0E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J3	pCi/L	0	GP
		Total activity	3.6E+05	1		pCi/L	0	EM
■		Tritium	4.7E+02	1		pCi/mL	2	GP
		Uranium-233/234	1.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	-5.7E-03	1	UI	pCi/L	0	GP
		Uranium-238	5.6E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 44D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76759.5 E57910.0	33.290030 °N 81.663415 °W	233.4-223.4 ft msl	285.4 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )

### FIELD MEASUREMENTS

Sample date: 08/01/94  
Depth to water: 52.96 ft (16.14 m) below TOC  
Water elevation: 232.44 ft (70.85 m) msl  
Sp. conductance: 30 µS/cm  
Turbidity: 0.3 NTU  
Water evacuated before sampling: 77 gal

Time: 12:24  
pH: 5.0  
Alkalinity: 0 mg/L  
Water temperature: 21.0 °C

Volumes purged: 13.0 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.9	1	J3	pH	0	WA
•		pH	4.9	1	J3	pH	0	WA
		Specific conductance	26	1		µS/cm	0	WA
		Specific conductance	25	1		µS/cm	0	WA
•		Turbidity	1.3	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	36	1		µg/L	1	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	68	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	1,060	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	1,830	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, 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	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.02		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.05	J1	µg/L	0	WA
•		Endrin	<0.11	1.06	J3	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 44D collected on 08/01/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	21	1		µg/L	0	WA
		Lead, total recoverable	3.9	1		µg/L	0	WA
		Lindane	<0.053	1.05	J1	µg/L	0	WA
•		Lindane	<0.053	1.06	J3	µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	566	1	V	µg/L	0	WA
		Manganese, total recoverable	14	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.05	J1	µg/L	0	WA
•		Methoxychlor	<0.53	1.06	J3	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	1,390	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	7,430	2.1	V	µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,530	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	<1,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	11	1		µg/L	0	WA
		Total phosphates (as P)	0.14	1		µg/L	0	WA
		Toxaphene	<1.0	1.05	J1	µg/L	0	WA
•		Toxaphene	<1.1	1.06	J3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	5.8E+00	1		pCi/L	0	GP
		Nonvolatile beta	4.0E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	3.4E+00	1		pCi/L	0	GP
		Total activity	5.9E+05	1		pCi/L	0	EM
■		Tritium	6.3E+02	1		pCi/mL	2	GP
		Uranium-233/234	6.4E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	-1.6E-02	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 45A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75830.0 E54550.1	33.282492 °N 81.670457 °W	126.9-116.9 ft msl	278.9 ft msl	4" PVC	S	U. Congaree (IIA)

## FIELD MEASUREMENTS

Sample date: 08/04/94  
Depth to water: 118.82 ft (36.22 m) below TOC  
Water elevation: 160.08 ft (48.79 m) msl  
Sp. conductance: 182 µS/cm  
Turbidity: 0.1 NTU  
Water evacuated before sampling: 315 gal

Time: 11:26  
pH: 7.8  
Alkalinity: 68 mg/L  
Water temperature: 19.6 °C

Volumes purged: 11.1 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.9	1	JY3	pH	0	WA
		Specific conductance	170	1	Y	µS/cm	0	WA
•		Turbidity	<0.20	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	<20	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	30	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	32,900	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,270	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	4.4	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 45A collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	439	1	VY	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	945	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	582	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	16,900	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,740	1	Y	µg/L	0	WA
		Sulfate	2,160	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	141,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	57	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	4.7E-01	1	UIY	pCi/L	0	GP
		Nonvolatile beta	6.3E-01	1	UIY	pCi/L	0	GP
		Radium, total alpha-emitting	-1.0E-01	1	UIY	pCi/L	0	GP
		Tritium	5.7E+00	1		pCi/mL	0	GP
		Tritium	5.3E+00	1	Y	pCi/mL	0	GP
		Uranium-233/234	1.9E-01	1	UI	pCi/L	0	GP
		Uranium-235	2.8E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.2E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 45B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75840.3 E54563.6	33.282536 °N 81.670441 °W	147.0-137.0 ft msl	278.6 ft msl	4" PVC	S	McBean (IIB <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/04/94  
Depth to water: 60.01 ft (18.29 m) below TOC  
Water elevation: 218.59 ft (66.63 m) msl  
Sp. conductance: 96 µS/cm  
Turbidity: 1.0 NTU  
Water evacuated before sampling: 38 gal  
The well went dry during purging.

Time: 11:00  
pH: 9.5  
Alkalinity: 33 mg/L  
Water temperature: 21.3 °C

Volumes purged: 0.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	10	1	JY3	pH	2	WA
•		pH	10	1	JY3	pH	2	WA
		Specific conductance	88	1	Y	µS/cm	0	WA
•		Turbidity	0.23	1	JY3	NTU	0	WA
•		Turbidity	0.23	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	24	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	47	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	8,470	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,440	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<90	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.1	2.08	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 45B collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	9.9	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	21	1	Y	µg/L	0	WA
		Magnesium, total recoverable	388	1	VY	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	859	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	4,650	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	11,400	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	5,270	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	69,000	1	Y	µg/L	0	WA
		Total dissolved solids	74,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	5.2	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<1.0	2.08	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	2.0E-01	1	UIY	pCi/L	0	GP
		Nonvolatile beta	4.2E+00	1	Y	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UIY	pCi/L	0	GP
		Tritium	7.9E+00	1	Y	pCi/mL	0	GP
		Uranium-233/234	1.5E-02	1	UI	pCi/L	0	GP
		Uranium-235	7.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	-6.4E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/04/94  
Depth to water: 56.05 ft (17.08 m) below TOC  
Water elevation: 222.55 ft (67.83 m) msl  
Sp. conductance: 35 µS/cm  
Turbidity: 1.7 NTU  
Water evacuated before sampling: 21 gal  
The well went dry during purging.

Time: 10:37  
pH: 5.4  
Alkalinity: 2 mg/L  
Water temperature: 20.1 °C  
Volumes purged: 1.0 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.5	1	J3	pH	0	WA
		Specific conductance	29	1		µS/cm	0	WA
•		Turbidity	1.7	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	45	1		µg/L	1	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	7.7	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	1,600	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,810	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	19	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	1.7	1	J3	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.08		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	70	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 45C collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	14	1		µg/L	0	WA
		Lindane	<0.054	1.08		µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	482	1	V	µg/L	0	WA
		Manganese, total recoverable	12	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.54	1.08		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	804	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	553	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	6,600	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,300	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
•		Total dissolved solids	60,000	1	J3	µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	9.0	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Toxaphene	<1.1	1.08		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	2.3E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.0E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	J3	pCi/L	0	GP
		Total activity	5.2E+05	1		pCi/L	0	EM
■		Tritium	5.6E+02	1		pCi/mL	2	GP
		Uranium-233/234	5.0E-01	1	UI	pCi/L	0	GP
		Uranium-235	2.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	7.2E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>2</sub> )
E54585.6	81.670411 °W					

### FIELD MEASUREMENTS

Sample date: 08/04/94  
Depth to water: 51.33 ft (15.65 m) below TOC  
Water elevation: 227.27 ft (69.27 m) msl  
Sp. conductance: 28 µS/cm  
Turbidity: 0.6 NTU  
Water evacuated before sampling: 128 gal

Time: 10:14  
pH: 5.0  
Alkalinity: 0 mg/L  
Water temperature: 19.2 °C

Volumes purged: 11.0 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	J3	pH	0	WA
•		pH	5.1	1	J3	pH	0	WA
		Specific conductance	23	1		µS/cm	0	WA
		Specific conductance	23	1		µS/cm	0	WA
•		Turbidity	0.33	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	45	1		µg/L	1	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	7.1	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	906	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,370	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	1.3	1	J3	µg/L	0	WA
		Chromium, 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	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<34	1	JV3	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.07		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 45D collected on 08/04/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	6.1	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.054	1.07		µg/L	0	WA
		Lithium, total recoverable	<5.0	1		µg/L	0	WA
		Magnesium, total recoverable	542	1	V	µg/L	0	WA
		Manganese, total recoverable	5.0	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.54	1.07		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	920	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	6,080	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,710	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
•		Total dissolved solids	29,000	1	J3	µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	8.5	1		µg/L	0	WA
		Total phosphates (as P)	<50	1		µg/L	0	WA
		Toxaphene	<1.1	1.07		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06		µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	8.1E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1	J3	pCi/L	0	GP
		Total activity	2.0E+05	1		pCi/L	0	EM
■		Tritium	2.2E+02	1		pCi/mL	2	GP
■		Tritium	2.2E+02	1		pCi/mL	2	GP
		Uranium-233/234	4.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	5.2E-02	1	UI	pCi/L	0	GP
		Uranium-238	5.7E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 46B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75012.1 E54444.7	33.280511 °N 81.669146 °W	150.4-140.4 ft msl	265.4 ft msl	4" PVC	S	McBean (IIB <sub>1</sub> )

### FIELD MEASUREMENTS

Sample date: 08/12/94 Time: 12:12  
Depth to water: 48.07 ft (14.65 m) below TOC  
Water elevation: 217.33 ft (66.24 m) msl  
No water evacuated before sampling.  
Inaccessibility or pump failure prevented sample collection.

## 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 <sub>1</sub> )

### FIELD MEASUREMENTS

Sample date: 08/16/94 Time: 9:00  
Depth to water: 46.37 ft (14.13 m) below TOC pH: 6.1  
Water elevation: 218.73 ft (66.67 m) msl Alkalinity: 12 mg/L  
Sp. conductance: 55 µS/cm Water temperature: 20.5 °C  
Turbidity: 7.4 NTU  
Water evacuated before sampling: 29 gal Volumes purged: 1.1 well volumes  
The well went dry during purging.

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.6	1	JY3	pH	0	WA
		Specific conductance	51	1	Y	µS/cm	0	WA
•		Turbidity	3.3	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	108	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	5.5	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,280	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,780	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.5	1	JY3	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 46C collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.02	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
●		Fluoride	<100	1	JY3	µg/L	0	WA
		Iron, total recoverable	154	1	Y	µg/L	1	WA
		Lead, total recoverable	3.8	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	6.3	1	Y	µg/L	0	WA
		Magnesium, total recoverable	324	1	Y	µg/L	0	WA
		Manganese, total recoverable	5.8	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	590	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,770	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,720	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	6,670	1	Y	µg/L	0	WA
		Sulfate	2,820	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	32,000	1	Y	µg/L	0	WA
		Total organic carbon	1,100	1	Y	µg/L	0	WA
		Total organic halogens	32	2	Y	µg/L	1	WA
		Total phosphates (as P)	348	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	27	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	5.1E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.5E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E-01	1	UI	pCi/L	0	GP
■		Tritium	1.7E+02	1		pCi/mL	2	GP
		Uranium-233/234	2.5E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 46C collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	1.4E-01	1	UI	pCi/L	0	GP

## WELL BGO 46D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75033.8	33.280518 °N	212.1-202.1 ft msl	265.1 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )
E54420.0	81.669253 °W					

## FIELD MEASUREMENTS

Sample date: 08/12/94

Depth to water: 40.78 ft (12.43 m) below TOC

Water elevation: 224.32 ft (68.37 m) msl

Sp. conductance: 46 µS/cm

Turbidity: 1.5 NTU

Water evacuated before sampling: 158 gal

Time: 12:24

pH: 4.7

Alkalinity: 0 mg/L

Water temperature: 20.5 °C

Volumes purged: 10.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1	JY3	pH	0	WA
		Specific conductance	43	1	Y	µS/cm	0	WA
•		Turbidity	0.77	1	JY3	NTU	0	WA
•		Acetophenone	<1,040	104.2	JY3	µg/L	0	WA
		Aluminum, total recoverable	104	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	6.7	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	658	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	7,040	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
■		Chloroethene (Vinyl chloride)	2.3	1	JY3	µg/L	2	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	2.6	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.1	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	16	1	Y	µg/L	2	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<10	10.2	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 46D collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<1.0	10.36	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
•		Fluoride	<100	1	JY3	µg/L	0	WA
		Iron, total recoverable	25	1	Y	µg/L	0	WA
		Lead, total recoverable	3.0	1	Y	µg/L	0	WA
		Lindane	<0.52	10.36	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	445	1	Y	µg/L	0	WA
		Manganese, total recoverable	14	1	Y	µg/L	0	WA
		Mercury, total recoverable	0.23	1	Y	µg/L	0	WA
		Methoxychlor	<5.2	10.36	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	895	5	Y	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,390	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	5,250	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
■		Tetrachloroethylene	8.2	1	Y	µg/L	2	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
•		Total dissolved solids	65,000	1	JY3	µg/L	0	WA
		Total organic carbon	2,600	1	Y	µg/L	0	WA
		Total organic halogens	353	1	Y	µg/L	2	WA
		Total phosphates (as P)	69	1	Y	µg/L	0	WA
		Toxaphene	<10	10.36	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<5.1	10.2	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	37	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	3.2	1	JY3	µg/L	0	WA
		Gross alpha	4.6E+00	1		pCi/L	0	GP
		Nonvolatile beta	5.7E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1	J3	pCi/L	0	GP
		Total activity	4.0E+07	100		pCi/L	0	EM
■		Tritium	4.5E+04	1		pCi/mL	2	GP
		Uranium-233/234	1.7E+00	1	J	pCi/L	0	GP
		Uranium-235	-5.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	7.5E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



**WELL BGO 47A**

<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>
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: 08/12/94  
 Depth to water: 105.38 ft (32.12 m) below TOC  
 Water elevation: 161.52 ft (49.23 m) msl  
 Sp. conductance: 159  $\mu$ S/cm  
 Turbidity: 1.0 NTU  
 Water evacuated before sampling: 326 gal

Time: 11:05  
 pH: 7.4  
 Alkalinity: 54 mg/L  
 Water temperature: 20.1 °C

Volumes purged: 6.7 well volumes

**LABORATORY ANALYSES**

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.4	1	JY3	pH	0	WA
		Specific conductance	139	1	Y	$\mu$ S/cm	0	WA
•		Turbidity	0.43	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	$\mu$ g/L	0	WA
		Aluminum, total recoverable	51	1	Y	$\mu$ g/L	2	WA
		Aluminum, total recoverable	47	1	Y	$\mu$ g/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	3.8	1	JY3	$\mu$ g/L	0	WA
		Arsenic, total recoverable	2.8	1	Y3	$\mu$ g/L	0	WA
		Barium, total recoverable	43	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	42	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Calcium, total recoverable	25,100	1	JY3	$\mu$ g/L	0	WA
		Calcium, total recoverable	25,100	1	JY3	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	3,140	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGO 47A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<140	1	JVY2	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	JVY2	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<140	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.03	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	141	1	Y	µg/L	0	WA
		Fluoride	138	1	Y	µg/L	0	WA
		Iron, total recoverable	48	1	Y	µg/L	0	WA
		Iron, total recoverable	52	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.03	Y	µg/L	0	WA
		Lithium, total recoverable	11	1	Y	µg/L	0	WA
		Lithium, total recoverable	12	1	Y	µg/L	0	WA
		Magnesium, total recoverable	542	1	Y	µg/L	0	WA
		Magnesium, total recoverable	540	1	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 47A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Manganese, total recoverable	40	1	Y	µg/L	1	WA
		Manganese, total recoverable	40	1	Y	µg/L	1	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.03	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	<20	1	Y	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	1,720	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,600	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	21,400	2.1	JVY3	µg/L	0	WA
		Silica, total recoverable	21,000	2.1	JVY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Sodium, total recoverable	2,340	1	VY	µg/L	0	WA
		Sodium, total recoverable	2,300	1	VY	µg/L	0	WA
		Sulfate	6,730	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	107,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	11	1.25	Y	µg/L	0	WA
		Total phosphates (as P)	806	2	Y	µg/L	0	WA
		Toxaphene	<1.0	1.03	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.9E+00	1	J3	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 47A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	2.8E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J3	pCi/L	0	GP
		Tritium	1.5E+00	1		pCi/mL	0	GP
		Uranium-233/234	2.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	2.5E-01	1	UI	pCi/L	0	GP

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 <sub>2</sub> )

FIELD MEASUREMENTS

Sample date: 08/12/94  
Depth to water: 42.19 ft (12.86 m) below TOC  
Water elevation: 225.21 ft (68.64 m) msl  
Sp. conductance: 44 µS/cm  
Turbidity: 0.2 NTU  
Water evacuated before sampling: 158 gal

Time: 10:37  
pH: 5.1  
Alkalinity: 1 mg/L  
Water temperature: 20.6 °C

Volumes purged: 11.0 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1	JY3	pH	0	WA
		Specific conductance	40	1	Y	µS/cm	0	WA
•		Turbidity	<0.20	1	JY3	NTU	0	WA
•		Turbidity	<0.20	1	JY3	NTU	0	WA
•		Acetophenone	<1,040	104.2	JY3	µg/L	0	WA
		Aluminum, total recoverable	<20	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	13	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,860	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,700	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	5.2	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 47D collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<20	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.05	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
•		Fluoride	<100	1	JY3	µg/L	0	WA
		Iron, total recoverable	7.0	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	795	1	Y	µg/L	0	WA
		Manganese, total recoverable	11	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	2,140	5	Y	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,670	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,020	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	1.0	1	JY3	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
•		Total dissolved solids	31,000	1	JY3	µg/L	0	WA
		Total organic carbon	1,000	1	Y	µg/L	0	WA
		Total organic halogens	43	2	Y	µg/L	1	WA
		Total phosphates (as P)	110	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	17	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	5.2E+00	1		pCi/L	0	GP
		Nonvolatile beta	3.5E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	2.7E+00	1		pCi/L	0	GP
		Total activity	4.1E+06	10		pCi/L	0	EM
■		Tritium	4.8E+03	1		pCi/mL	2	GP
		Uranium-233/234	8.9E-01	1	UI	pCi/L	0	GP
		Uranium-235	6.3E-01	1	UI	pCi/L	0	GP
		Uranium-238	6.2E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 54.00 ft (16.46 m) below TOC  
Water elevation: 222.60 ft (67.85 m) msl  
Sp. conductance: 38 µS/cm  
Turbidity: 1.1 NTU  
Water evacuated before sampling: 187 gal

Time: 13:37  
pH: 5.3  
Alkalinity: 1 mg/L  
Water temperature: 20.8 °C

Volumes purged: 6.2 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.8	1	JY3	pH	0	WA
		Specific conductance	32	1	Y	µS/cm	0	WA
•		Turbidity	0.33	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	26	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	10	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,650	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,790	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 48C collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	15	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	631	1	VY	µg/L	0	WA
		Manganese, total recoverable	9.4	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,830	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,060	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	2,580	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	2.3	1	JY	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
●		Total dissolved solids	10,000	1	JY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	32	1	Y	µg/L	1	WA
		Total phosphates (as P)	257	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	4.1	1	JY3	µg/L	1	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	2.5E+00	1	J3	pCi/L	0	GP
		Gross alpha	2.5E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	3.5E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.5E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J3	pCi/L	0	GP
		Total activity	3.4E+06	10		pCi/L	0	EM
■		Tritium	3.7E+03	1		pCi/mL	2	GP
		Uranium-233/234	-1.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	-5.9E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.7E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 51.28 ft (15.63 m) below TOC  
Water elevation: 225.62 ft (68.77 m) msl  
Sp. conductance: 61 µS/cm  
Turbidity: 0.5 NTU  
Water evacuated before sampling: 184 gal

Time: 14:03  
pH: 4.6  
Alkalinity: 0 mg/L  
Water temperature: 21.4 °C

Volumes purged: 11.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.2	1	JY3	pH	0	WA
		Specific conductance	52	1	Y	µS/cm	0	WA
•		Turbidity	0.22	1	JY	NTU	0	WA
•		Acetophenone	<521	52.1	JY3	µg/L	0	WA
		Aluminum, total recoverable	142	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	60	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	825	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	5,760	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	3.2	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.7	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	1.6	1	JY3	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	11	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 48D collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	1,010	1	VY	µg/L	0	WA
		Manganese, total recoverable	9.7	1	Y	µg/L	0	WA
		Mercury, total recoverable	0.61	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	2,570	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	575	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,040	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	4,620	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
■		Tetrachloroethylene	74	1	Y	µg/L	2	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
●		Total dissolved solids	67,000	1	JY3	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	181	1	Y	µg/L	2	WA
		Total phosphates (as P)	515	2	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	39	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	9.6E+00	1		pCi/L	1	GP
		Nonvolatile beta	5.9E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	5.4E+00	1		pCi/L	0	GP
		Total activity	1.6E+08	50		pCi/L	0	EM
■		Tritium	1.5E+05	1		pCi/mL	2	GP
		Uranium-233/234	1.3E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.4E-01	1	UI	pCi/L	0	GP
		Uranium-238	1.3E+00	1	J	pCi/L	0	GP

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# 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: 08/12/94  
Depth to water: Not available  
Water elevation: Not available  
Sp. conductance: 266 µS/cm  
Turbidity: 0.3 NTU  
Water evacuated before sampling: 222 gal

Time: 9:17  
pH: 10.8  
Alkalinity: 116 mg/L  
Water temperature: 20.0 °C

Volumes Purged:

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	11	1	J1	pH	2	GE
•		pH	11	1	J1	pH	2	GE
•		pH	11	1	J1	pH	2	GE
•		pH	11	1	JY3	pH	2	WA
•		pH	10	1	JY3	pH	2	WA
		Specific conductance	196	1		µS/cm	0	GE
		Specific conductance	202	1		µS/cm	0	GE
		Specific conductance	192	1	Y	µS/cm	0	WA
		Specific conductance	191	1	Y	µS/cm	0	WA
•		Turbidity	<0.10	1	J1	NTU	0	GE
•		Turbidity	<0.10	1	J1	NTU	0	GE
•		Turbidity	<0.10	1	J1	NTU	0	GE
•		Turbidity	<0.20	1	JY3	NTU	0	WA
•		Turbidity	<0.20	1	JY3	NTU	0	WA
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1	Y	µg/L	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	517	1		µg/L	2	GE
		Aluminum, total recoverable	489	1		µg/L	2	GE
		Aluminum, total recoverable	488	1		µg/L	2	GE
		Aluminum, total recoverable	538	1	Y	µg/L	2	WA
		Aluminum, total recoverable	555	1	Y	µg/L	2	WA
		Aluminum, total recoverable	553	1	Y	µg/L	2	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	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	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	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	57	1		µg/L	0	GE
		Barium, total recoverable	49	1		µg/L	0	GE
		Barium, total recoverable	49	1		µg/L	0	GE
		Barium, total recoverable	49	1	Y	µg/L	0	WA
		Barium, total recoverable	50	1	Y	µg/L	0	WA

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WELL BGO 49A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	50	1	Y	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	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	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	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	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	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	46,400	1		µg/L	0	GE
		Calcium, total recoverable	37,400	1		µg/L	0	GE
		Calcium, total recoverable	37,100	1		µg/L	0	GE
		Calcium, total recoverable	36,500	1	Y	µg/L	0	WA
		Calcium, total recoverable	36,600	1	Y	µg/L	0	WA
		Calcium, total recoverable	36,500	1	Y	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	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,040	1		µg/L	0	GE
		Chloride	2,030	1		µg/L	0	GE
		Chloride	2,080	1		µg/L	0	GE
		Chloride	2,040	1		µg/L	0	GE
		Chloride	2,650	1	Y	µg/L	0	WA
		Chloride	2,690	1	Y	µg/L	0	WA
		Chloride	2,620	1	Y	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	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	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	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	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

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## WELL BGO 49A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	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	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	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	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	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	5.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	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	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	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	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	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	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	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	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	1.2	1	J3	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.1	1	J3	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<140	1	JVY2	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		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	<1.0	1.05	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE

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WELL BGO 49A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	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	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	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	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Endrin	<0.11	1.05	Y	µg/L	0	WA
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	58	1		µg/L	0	GE
		Fluoride	58	1		µg/L	0	GE
		Fluoride	57	1		µg/L	0	GE
		Fluoride	61	1		µg/L	0	GE
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	18	1		µg/L	0	GE
		Iron, total recoverable	4.8	1	J3	µg/L	0	GE
		Iron, total recoverable	4.9	1	J3	µg/L	0	GE
		Iron, total recoverable	4.7	1	Y	µg/L	0	WA
		Iron, total recoverable	6.5	1	Y	µg/L	0	WA
		Iron, total recoverable	7.9	1	Y	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	3.5	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.0050	1		µg/L	0	GE
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lindane	<0.053	1.05	Y	µg/L	0	WA
		Lithium, total recoverable	51	1		µg/L	2	GE
		Lithium, total recoverable	50	1		µg/L	2	GE
		Lithium, total recoverable	50	1		µg/L	2	GE
		Lithium, total recoverable	49	1	VY	µg/L	1	WA
		Lithium, total recoverable	49	1	VY	µg/L	1	WA
		Lithium, total recoverable	51	1	VY	µg/L	2	WA
		Magnesium, total recoverable	454	1		µg/L	0	GE
		Magnesium, total recoverable	458	1		µg/L	0	GE
		Magnesium, total recoverable	458	1		µg/L	0	GE
		Magnesium, total recoverable	447	1	Y	µg/L	0	WA
		Magnesium, total recoverable	456	1	Y	µg/L	0	WA
		Magnesium, total recoverable	455	1	Y	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	Y	µg/L	0	WA

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## WELL BGO 49A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	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	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.05	Y	µg/L	0	WA
		Methoxychlor	<1.0	2.08	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	7.1	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	Y	µg/L	0	WA
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	26	1	Y	µg/L	0	WA
		Nitrate as nitrogen	27	1	Y	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	JY3	µg/L	0	WA
•		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	5,350	1		µg/L	0	GE
		Potassium, total recoverable	5,440	1		µg/L	0	GE
		Potassium, total recoverable	5,430	1		µg/L	0	GE
		Potassium, total recoverable	5,330	1	Y	µg/L	0	WA
		Potassium, total recoverable	5,480	1	Y	µg/L	0	WA
		Potassium, total recoverable	5,550	1	Y	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	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	18,000	1		µg/L	0	GE
		Silica, total recoverable	18,300	1		µg/L	0	GE
		Silica, total recoverable	18,300	1		µg/L	0	GE
		Silica, total recoverable	16,900	2.1	Y	µg/L	0	WA
		Silica, total recoverable	17,900	2.1	JY3	µg/L	0	WA
		Silica, total recoverable	18,000	2.1	JY3	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	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Sodium, total recoverable	3,490	1		µg/L	0	GE
		Sodium, total recoverable	3,400	1		µg/L	0	GE
		Sodium, total recoverable	3,410	1		µg/L	0	GE
		Sodium, total recoverable	3,390	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,460	1	Y	µg/L	0	WA

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WELL BGO 49A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sodium, total recoverable	3,510	1	Y	µg/L	0	WA
		Sulfate	3,410	1		µg/L	0	GE
		Sulfate	3,400	1		µg/L	0	GE
		Sulfate	3,390	1		µg/L	0	GE
		Sulfate	3,400	1		µg/L	0	GE
		Sulfate	3,080	1	Y	µg/L	0	WA
		Sulfate	3,080	1	Y	µg/L	0	WA
		Sulfate	3,100	1	Y	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	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	8.9	1		µg/L	0	GE
		Tin, total recoverable	11	1		µg/L	1	GE
		Tin, total recoverable	11	1		µg/L	1	GE
		Tin, total recoverable	403	1	Y	µg/L	2	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	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	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	118,000	1		µg/L	0	GE
		Total dissolved solids	118,000	1		µg/L	0	GE
		Total dissolved solids	123,000	1	VY	µg/L	0	WA
		Total dissolved solids	117,000	1	VY	µg/L	0	WA
		Total dissolved solids	127,000	1	VY	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	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	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	GE
		Total organic halogens	7.1	1	Y	µg/L	0	WA
		Total organic halogens	9.8	1.25	Y	µg/L	0	WA
		Total phosphates (as P)	456	1		µg/L	0	GE
		Total phosphates (as P)	188	1		µg/L	0	GE
		Total phosphates (as P)	91	1	Y	µg/L	0	WA
		Total phosphates (as P)	296	2	Y	µg/L	0	WA
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		Toxaphene	<1.0	1.05	Y	µg/L	0	WA
		Toxaphene	<2.1	2.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		2,4,5-TP (Silvex)	0.020	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 49A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		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	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	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	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	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	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		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	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	8.6E-01	1	J3	pCi/L	0	GP
		Gross alpha	2.2E+00	1	J3	pCi/L	0	GP
		Gross alpha	1.3E+00	1	J3	pCi/L	0	GP
		Gross alpha	2.1E+00	1	J1	pCi/L	0	TM
		Gross alpha	2.4E+00	1		pCi/L	0	TM
		Nonvolatile beta	4.1E+00	1		pCi/L	0	GP
		Nonvolatile beta	6.7E+00	1		pCi/L	0	GP
		Nonvolatile beta	3.5E+00	1		pCi/L	0	GP
		Nonvolatile beta	3.3E+00	1		pCi/L	0	TM
		Nonvolatile beta	5.2E+00	1		pCi/L	0	TM
		Radium-226	4.2E-01	1		pCi/L	0	TM
		Radium-226	3.4E-01	1		pCi/L	0	TM
		Radium-226	4.6E-01	1		pCi/L	0	TM
		Radium-228	6.0E-01	1	UIV	pCi/L	0	TM
		Radium-228	1.0E+00	1	JV1	pCi/L	0	TM
		Radium-228	1.2E+00	1	V	pCi/L	0	TM
		Radium, total alpha-emitting	8.0E-01	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1	UI	pCi/L	0	GP
		Tritium	7.6E-01	1	J3	pCi/mL	0	GP
		Tritium	5.7E-01	1	UI	pCi/mL	0	GP
		Tritium	8.8E-01	1		pCi/mL	0	TM
		Tritium	8.0E-02	1	UI	pCi/mL	0	TM
		Tritium	4.6E-01	1	J1	pCi/mL	0	TM
		Uranium-233/234	1.7E-01	1	UI	pCi/L	0	CN
		Uranium-233/234	1.7E-02	1	UI	pCi/L	0	CN
		Uranium-233/234	2.8E-01	1	UI	pCi/L	0	GP
		Uranium-233/234	2.0E-01	1	UI	pCi/L	0	GP
		Uranium-235	-7.1E-03	1	UI	pCi/L	0	CN

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGO 49A collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Uranium-235	6.6E-02	1	UI	pCi/L	0	CN
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	4.3E-02	1	UI	pCi/L	0	CN
		Uranium-238	9.0E-02	1	UI	pCi/L	0	CN
		Uranium-238	3.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	1.9E-01	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 <sub>1</sub> )
E56202.2	81.662391 °W					

## FIELD MEASUREMENTS

Sample date: 08/12/94  
Depth to water: 44.16 ft (13.46 m) below TOC  
Water elevation: 226.94 ft (69.17 m) msl  
Sp. conductance: 66 µS/cm  
Turbidity: 0.3 NTU  
Water evacuated before sampling: 157 gal

Time: 8:22  
pH: 6.9  
Alkalinity: 19 mg/L  
Water temperature: 19.2 °C

Volumes purged: 3.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.2	1	JY3	pH	0	WA
•		pH	7.2	1	JY3	pH	0	WA
		Specific conductance	60	1	Y	µS/cm	0	WA
•		Turbidity	<0.20	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	<20	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	29	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	5,940	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,070	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.6	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 49C collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	9.5	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Lithium, total recoverable	8.2	1	Y	µg/L	0	WA
		Magnesium, total recoverable	390	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	620	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	2,330	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	9,070	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	4,100	1	VY	µg/L	0	WA
		Sulfate	1,160	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	20,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	9.2	1	Y	µg/L	0	WA
		Total organic halogens	11	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.09	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.9E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	2.7E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UI	pCi/L	0	GP
■		Tritium	3.2E+01	1		pCi/mL	2	GP
		Uranium-233/234	8.0E-02	1	UI	pCi/L	0	GP
		Uranium-235	4.3E-02	1	UI	pCi/L	0	GP
		Uranium-238	8.0E-02	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGO 49D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73931.5 E56198.8	33.280983 °N 81.662428 °W	238.5-218.5 ft msl	271.5 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/16/94  
Depth to water: 38.54 ft (11.75 m) below TOC  
Water elevation: 232.96 ft (71.01 m) msl  
Sp. conductance: 32 µS/cm  
Turbidity: 68.4 NTU  
Water evacuated before sampling: 8 gal  
The well went dry during purging.

Time: 8:30  
pH: 5.1  
Alkalinity: 1 mg/L  
Water temperature: 19.0 °C  
Volumes purged: 0.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.5	1	JY3	pH	0	WA
		Specific conductance	29	1	Y	µS/cm	0	WA
•		Turbidity	1.8	1	JY	NTU	0	WA
•		Turbidity	1.6	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
•		Acetophenone	<11	1.1	JY3	µg/L	0	WA
		Aluminum, total recoverable	395	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	5.6	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	418	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	1,900	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	12	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 49D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		Fluoride	<100	1	JY3	µg/L	0	WA
		Iron, total recoverable	504	1	Y	µg/L	2	WA
		Lead, total recoverable	5.1	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	341	1	Y	µg/L	0	WA
		Manganese, total recoverable	3.5	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,900	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,220	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,240	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	5,000	1	Y	µg/L	0	WA
		Total organic carbon	2,200	1	Y	µg/L	0	WA
		Total organic halogens	9.3	1	Y	µg/L	0	WA
		Total organic halogens	9.6	1	Y	µg/L	0	WA
		Total phosphates (as P)	188	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	6.0E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1	J3	pCi/L	0	GP
■		Tritium	2.7E+01	1		pCi/mL	2	GP
		Uranium-233/234	1.2E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	6.5E-02	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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: 08/16/94  
Depth to water: 96.07 ft (29.28 m) below TOC  
Water elevation: 159.33 ft (48.56 m) msl  
Sp. conductance: 603 µS/cm  
Turbidity: 1.0 NTU  
Water evacuated before sampling: 46 gal  
The well went dry during purging.

Time: 9:42  
pH: 11.3  
Alkalinity: 133 mg/L  
Water temperature: 20.4 °C

Volumes purged: 1.0 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	11	1	JY3	pH	2	WA
		Specific conductance	592	1	Y	µS/cm	2	WA
•		Turbidity	0.46	1	JY	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	506	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	3.6	1	Y	µg/L	0	WA
		Barium, total recoverable	152	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	42,200	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	4,210	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	12	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	5.1	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<94	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Endrin	<0.22	2.15	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 50A collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	17	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lindane	<0.11	2.15	Y	µg/L	0	WA
		Lithium, total recoverable	158	1	Y	µg/L	2	WA
		Magnesium, total recoverable	50	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Methoxychlor	<1.1	2.15	Y	µg/L	0	WA
		Methoxychlor	<1.1	2.15	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	455	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	8,770	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	15,000	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	16,100	1	Y	µg/L	0	WA
		Sulfate	3,460	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	224,000	1	Y	µg/L	0	WA
•		Total organic carbon	1,800	1	JY3	µg/L	0	WA
		Total organic halogens	32	1	Y	µg/L	1	WA
		Total organic halogens	28	1	Y	µg/L	1	WA
		Total phosphates (as P)	3,200	10	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		Toxaphene	<2.2	2.15	Y	µg/L	0	WA
		Toxaphene	<2.2	2.15	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	6.7	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.7E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	8.2E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	1.2E+00	1	J3	pCi/L	0	GP
		Tritium	6.0E-01	1	UI	pCi/mL	0	GP
		Uranium-233/234	1.9E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	1.4E-01	1	UI	pCi/L	0	GP

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## 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 <sub>1</sub> )

### FIELD MEASUREMENTS

Sample date: 08/16/94  
Depth to water: 37.56 ft (11.45 m) below TOC  
Water elevation: 217.94 ft (66.43 m) msl  
Sp. conductance: 29 µS/cm  
Turbidity: 13.4 NTU  
Water evacuated before sampling: 35 gal  
The well went dry during purging.

Time: 9:21  
pH: 5.3  
Alkalinity: 1 mg/L  
Water temperature: 20.2 °C

Volumes purged: 1.0 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	JY3	pH	0	WA
		Specific conductance	28	1	Y	µS/cm	0	WA
•		Turbidity	6.0	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	131	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	4.8	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	927	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,860	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.5	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	5.4	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
•		Fluoride	<100	1	JY3	µg/L	0	WA
		Iron, total recoverable	283	1	Y	µg/L	1	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 50C collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	300	1	Y	µg/L	0	WA
		Manganese, total recoverable	8.7	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	575	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,940	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,810	1	Y	µg/L	0	WA
		Sulfate	1,170	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	2,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	18	1	Y	µg/L	0	WA
		Total phosphates (as P)	323	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	7.5	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	8.4E-01	1	J3	pCi/L	0	GP
		Nonvolatile beta	9.6E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E-01	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E-01	1	UI	pCi/L	0	GP
■		Tritium	1.2E+02	1		pCi/mL	2	GP
		Uranium-233/234	2.8E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	4.1E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



## WELL BGO 50D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75181.3 E54209.1	33.280501 °N 81.670095 °W	228.0-208.0 ft msl	256 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/12/94  
 Depth to water: 31.80 ft (9.69 m) below TOC  
 Water elevation: 224.20 ft (68.34 m) msl  
 Sp. conductance: 63  $\mu$ S/cm  
 Turbidity: 4.5 NTU  
 Water evacuated before sampling: 71 gal

Time: 13:22  
 pH: 5.9  
 Alkalinity: 11 mg/L  
 Water temperature: 20.6 °C

Volumes purged: 6.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	JY3	pH	0	WA
•		pH	6.0	1	JY3	pH	0	WA
		Specific conductance	60	1	Y	$\mu$ S/cm	0	WA
•		Turbidity	0.72	1	JY3	NTU	0	WA
•		Acetophenone	<31	3.1	JY3	$\mu$ g/L	0	WA
		Aluminum, total recoverable	99	1	Y	$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	11	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Calcium, total recoverable	7,820	1	Y	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	4,570	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	2.0	1	JY3	$\mu$ g/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	$\mu$ g/L	0	WA
		Copper, total recoverable	<4.0	1	Y	$\mu$ g/L	0	WA
		Cyanide	<5.0	1	Y	$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethane	4.7	1	Y	$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06	Y	$\mu$ g/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	$\mu$ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		Endrin	<0.11	1.08	Y	$\mu$ g/L	0	WA
		Ethylbenzene	<5.0	1	Y	$\mu$ g/L	0	WA
•		Fluoride	<100	1	JY3	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGO 50D collected on 08/12/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	11	1	Y	µg/L	0	WA
		Lead, total recoverable	3.7	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	404	1	Y	µg/L	0	WA
		Manganese, total recoverable	4.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,000	5	Y	µg/L	0	WA
●		Phenols	<5.0	1	JY3	µg/L	0	WA
		Potassium, total recoverable	543	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,040	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,770	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
●		Total dissolved solids	16,000	1	JY3	µg/L	0	WA
		Total organic carbon	1,500	1	Y	µg/L	0	WA
		Total organic halogens	274	1	Y	µg/L	2	WA
		Total phosphates (as P)	147	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
■		Trichloroethylene	8.8	1	Y	µg/L	2	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	5.6E+00	1		pCi/L	0	GP
		Nonvolatile beta	1.1E+01	1		pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1	J3	pCi/L	0	GP
		Total activity	3.3E+06	10		pCi/L	0	EM
■		Tritium	3.5E+03	1		pCi/mL	2	GP
		Uranium-233/234	5.5E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.0E-01	1	UI	pCi/L	0	GP
		Uranium-238	4.5E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGX 1C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76820.0 E58599.8	33.291289 °N 81.661716 °W	186.0-176.0 ft msl	291.3 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 75.86 ft (23.12 m) below TOC  
Water elevation: 215.44 ft (65.67 m) msl  
Sp. conductance: 1626 µS/cm  
Turbidity: 3.6 NTU  
Water evacuated before sampling: 15 gal  
The well went dry during purging.

Time: 9:30  
pH: 12.0  
Alkalinity: 391 mg/L  
Water temperature: 19.6 °C  
Volumes purged: 0.6 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	JY3	pH	0	WA
		Specific conductance	50	1	Y	µS/cm	0	WA
•		Turbidity	58	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	1,640	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	53	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	3,550	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,350	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	14	1	Y	µg/L	0	WA
		Copper, total recoverable	5.6	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	3,480	1	Y	µg/L	2	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 1C collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	22	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	777	1	VY	µg/L	0	WA
		Manganese, total recoverable	51	1	Y	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	12	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,100	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	672	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	9,320	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	2,050	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
●		Total dissolved solids	57,000	1	JY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	7.5	1	Y	µg/L	0	WA
		Total phosphates (as P)	348	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	7.2	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Nonvolatile beta	5.4E+00	1		pCi/L	0	GP
		Total activity	1.9E+06	10		pCi/L	0	EM
■		Tritium	2.1E+03	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGX 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76809.5 E58608.6	33.291280 °N 81.661673 °W	234.7-214.7 ft msl	291.3 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 62.11 ft (18.93 m) below TOC  
Water elevation: 229.19 ft (69.86 m) msl  
Sp. conductance: 42 µS/cm  
Turbidity: 5.6 NTU  
Water evacuated before sampling: 1 gal  
The well went dry during purging.

Time: 9:03  
pH: 5.2  
Alkalinity: 4 mg/L  
Water temperature: 23.3 °C

Volumes purged: 0.1 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	11	1	JY3	pH	2	WA
		Specific conductance	1,820	1	Y	µS/cm	2	WA
•		Turbidity	0.67	1	JY	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	802	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	202	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	164,000	2	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	1,460	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	2.5	1	JY3	µg/L	0	WA
		Chromium, total recoverable	5.8	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.01	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	17	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 1D collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	13	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Lithium, total recoverable	64	1	Y	µg/L	2	WA
		Magnesium, total recoverable	<249	1	JVY2	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	543	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	4,710	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,420	2.1	VY	µg/L	0	WA
		Silver, total recoverable	<2.0	1	VY	µg/L	0	WA
		Sodium, total recoverable	4,420	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
●		Total dissolved solids	450,000	1	JY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	7.9	1	Y	µg/L	0	WA
		Total phosphates (as P)	412	2	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.01	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Nonvolatile beta	2.5E+00	1	J3	pCi/L	0	GP
		Total activity	3.4E+05	1		pCi/L	0	EM
■		Tritium	4.7E+02	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGX 2B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 79.21 ft (24.14 m) below TOC  
Water elevation: 212.09 ft (64.65 m) msl  
Sp. conductance: 238 µS/cm  
Turbidity: 10.6 NTU  
Water evacuated before sampling: 50 gal  
The well went dry during purging.

Time: 8:20  
pH: 7.7  
Alkalinity: 101 mg/L  
Water temperature: 19.1 °C

Volumes purged: 1.0 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.6	1	J3	pH	0	WA
		Specific conductance	217	1		µS/cm	0	WA
		Turbidity	1.7	1		NTU	0	WA
		Turbidity	1.7	1		NTU	0	WA
		Acetophenone	<10	1		µg/L	0	WA
		Aluminum, total recoverable	100	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	61	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	44,600	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,610	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	1.8	1	J3	µg/L	0	WA
		Chromium, total recoverable	4.8	1		µg/L	0	WA
		Copper, total recoverable	<4.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.11	1.06		µg/L	0	WA
		Endrin	<0.21	2.11		µg/L	0	WA
		Endrin	<0.11	1.06		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 2B collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.21	2.11		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	115	1		µg/L	0	WA
		Lead, total recoverable	4.1	1		µg/L	0	WA
		Lindane	<0.053	1.06		µg/L	0	WA
		Lindane	<0.11	2.11		µg/L	0	WA
		Lindane	<0.053	1.06		µg/L	0	WA
		Lindane	<0.11	2.11		µg/L	0	WA
		Magnesium, total recoverable	602	1		µg/L	0	WA
		Manganese, total recoverable	4.8	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.53	1.06		µg/L	0	WA
		Methoxychlor	<1.1	2.11		µg/L	0	WA
		Methoxychlor	<1.1	2.11		µg/L	0	WA
		Methoxychlor	<0.53	1.06		µg/L	0	WA
		Methoxychlor	<1.1	2.11		µg/L	0	WA
		Methoxychlor	<1.1	2.11		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	636	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	810	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	24,500	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	3,330	1	V	µg/L	0	WA
		Sulfate	3,950	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	149,000	1	V	µg/L	0	WA
		Total organic carbon	3,700	1		µg/L	0	WA
		Total organic halogens	8.3	1		µg/L	0	WA
		Total phosphates (as P)	3,460	10		µg/L	0	WA
		Toxaphene	<1.1	1.06		µg/L	0	WA
		Toxaphene	<2.1	2.11		µg/L	0	WA
		Toxaphene	<2.1	2.11		µg/L	0	WA
		Toxaphene	<1.1	1.06		µg/L	0	WA
		Toxaphene	<2.1	2.11		µg/L	0	WA
		Toxaphene	<2.1	2.11		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Nonvolatile beta	3.5E-01	1	UI	pCi/L	0	GP
		Tritium	6.3E+00	1		pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.



## 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 <sub>1</sub> )

### FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 76.30 ft (23.26 m) below TOC  
Water elevation: 214.80 ft (65.47 m) msl  
Sp. conductance: 35 µS/cm  
Turbidity: 2.4 NTU  
Water evacuated before sampling: 19 gal  
The well went dry during purging.

Time: 8:40  
pH: 5.5  
Alkalinity: 1 mg/L  
Water temperature: 19.2 °C

Volumes purged: 0.9 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1	J3	pH	0	WA
		Specific conductance	30	1		µS/cm	0	WA
		Turbidity	1.4	1		NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	94	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	5.7	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	2,520	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,260	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	12	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.02		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
•		Endrin	<0.10	1.02	J3	µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	91	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 2D collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	5.4	1		µg/L	0	WA
•		Lindane	<0.051	1.02	J3	µg/L	0	WA
		Magnesium, total recoverable	426	1		µg/L	0	WA
		Manganese, total recoverable	11	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
•		Methoxychlor	<0.51	1.02	J3	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	1,300	5		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	618	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	8,630	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,660	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	<5,000	1	JV2	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	21	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	<1.0	1.02	J3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
■		Trichloroethylene	15	1		µg/L	2	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Nonvolatile beta	8.0E-01	1	UI	pCi/L	0	GP
■		Tritium	9.4E+01	1		pCi/mL	2	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 09/06/94  
Depth to water: 76.33 ft (23.27 m) below TOC  
Water elevation: 214.77 ft (65.46 m) msl  
Sp. conductance: 37 µS/cm  
Turbidity: 2.2 NTU  
Water evacuated before sampling: 20 gal  
The well went dry during purging.

Time: 8:05  
pH: 5.2  
Alkalinity: 1 mg/L  
Water temperature: 19.0 °C  
Volumes purged: 0.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	4.4	1	J3	µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<24	1	JV2	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	1.0	1	J3	µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
■		Trichloroethylene	17	1		µg/L	2	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>1</sub> )

### FIELD MEASUREMENTS

Sample date: 08/08/94  
Depth to water: 76.73 ft (23.39 m) below TOC  
Water elevation: 214.47 ft (65.37 m) msl  
Sp. conductance: 33 µS/cm  
Turbidity: 0.7 NTU  
Water evacuated before sampling: 37 gal

Time: 12:58  
pH: 5.8  
Alkalinity: 3 mg/L  
Water temperature: 20.2 °C

Volumes purged: 4.4 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	JY3	pH	0	WA
		Specific conductance	29	1	Y	µS/cm	0	WA
•		Turbidity	0.76	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	58	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	21	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	2,610	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	6,660	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	17	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
•		Endrin	<0.10	1.04	JY3	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	157	1	Y	µg/L	1	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 3D collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	5.3	1	Y	µg/L	0	WA
•		Lindane	<0.052	1.04	JY3	µg/L	0	WA
		Magnesium, total recoverable	644	1	Y	µg/L	0	WA
		Manganese, total recoverable	19	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
•		Methoxychlor	<0.52	1.04	JY3	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	787	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	763	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,450	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,750	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	140,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	9.1	1	Y	µg/L	0	WA
		Total organic halogens	9.1	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
•		Toxaphene	<1.0	1.04	JY3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	2.6	1	JY3	µg/L	1	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Nonvolatile beta	1.6E+00	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1	UI	pCi/L	0	GP
		Total activity	1.3E+06	10		pCi/L	0	EM
■		Tritium	1.4E+03	1		pCi/mL	2	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## WELL BGX 4A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77879.2	33.291373 °N	116.8-106.8 ft msl	290.9 ft msl	4" PVC	S	U. Congaree (IIA)
E57215.6	81.667419 °W					

## FIELD MEASUREMENTS

Sample date: 08/08/94

Depth to water: 136.46 ft (41.59 m) below TOC

Water elevation: 154.44 ft (47.07 m) msl

Sp. conductance: 270  $\mu$ S/cm

Turbidity: 0.7 NTU

Water evacuated before sampling: 247 gal

Time: 12:07

pH: 7.8

Alkalinity: 118 mg/L

Water temperature: 20.1 °C

Volumes purged: 7.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1	J3	pH	0	WA
•		pH	7.3	1	J3	pH	0	WA
		Specific conductance	263	1		$\mu$ S/cm	1	WA
•		Turbidity	0.21	1	J3	NTU	0	WA
		Acetophenone	<11	1.1	J1	$\mu$ g/L	0	WA
		Acetophenone	<20	2		$\mu$ g/L	0	WA
		Aluminum, total recoverable	29	1		$\mu$ g/L	1	WA
		Antimony, total recoverable	<3.0	1		$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1		$\mu$ g/L	0	WA
		Barium, total recoverable	32	1		$\mu$ g/L	0	WA
		Benzene	<5.0	1		$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1		$\mu$ g/L	0	WA
		Bromoform	<5.0	1		$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1		$\mu$ g/L	0	WA
		Calcium, total recoverable	49,700	1	V	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1		$\mu$ g/L	0	WA
		Chloride	3,090	1		$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1		$\mu$ g/L	0	WA
		Chloroethane	<10	1		$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		$\mu$ g/L	0	WA
		Chloroform	<5.0	1		$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		$\mu$ g/L	0	WA
		Chromium, total recoverable	<4.0	1		$\mu$ g/L	0	WA
		Copper, total recoverable	<4.0	1		$\mu$ g/L	0	WA
		Cyanide	<5.0	1		$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1		$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1		$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1		$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1		$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	V	$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08		$\mu$ g/L	0	WA
		1,2-Dichloropropane	<5.0	1		$\mu$ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		$\mu$ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		$\mu$ g/L	0	WA
		Endrin	<0.11	1.09		$\mu$ g/L	0	WA
		Ethylbenzene	<5.0	1		$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 4A collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	34	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.055	1.09		µg/L	0	WA
		Magnesium, total recoverable	1,120	1		µg/L	0	WA
		Manganese, total recoverable	11	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.55	1.09		µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	34	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	1,290	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	33,600	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,060	1	V	µg/L	0	WA
		Sulfate	8,080	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	194,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	14	1		µg/L	0	WA
		Total phosphates (as P)	766	2		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
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Nonvolatile beta	1.4E+00	1	UI	pCi/L	0	GP
		Tritium	2.0E-01	1	UI	pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGX 4C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77886.2 E57202.2	33.291367 °N 81.667468 °W	180.7-170.7 ft msl	290.8 ft msl	4" PVC	S	McBean (IIB <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/08/94  
Depth to water: 76.83 ft (23.42 m) below TOC  
Water elevation: 213.97 ft (65.22 m) msl  
Sp. conductance: 78 µS/cm  
Turbidity: 0.8 NTU  
Water evacuated before sampling: 202 gal

Time: 11:36  
pH: 6.6  
Alkalinity: 22 mg/L  
Water temperature: 19.6 °C  
Volumes purged: 7.1 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.6	1	J3	pH	0	WA
		Specific conductance	71	1		µS/cm	0	WA
		Specific conductance	70	1		µS/cm	0	WA
•		Turbidity	0.22	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	28	1		µg/L	1	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	7.2	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	10,300	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,710	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, 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	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<30	1	JV2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.1		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.20	2		µg/L	0	WA
		Endrin	<0.11	1.11		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGX 4C collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	16	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.10	2		µg/L	0	WA
		Lindane	<0.056	1.11		µg/L	0	WA
		Magnesium, total recoverable	570	1		µg/L	0	WA
		Manganese, total recoverable	3.2	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<1.0	2		µg/L	0	WA
		Methoxychlor	<0.56	1.11		µg/L	0	WA
		Methoxychlor	<1.1	2.22		µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	748	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	10,700	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,580	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	61,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	9.4	1		µg/L	0	WA
		Total organic halogens	8.5	1		µg/L	0	WA
		Total phosphates (as P)	1,150	5		µg/L	0	WA
		Toxaphene	<2.0	2		µg/L	0	WA
		Toxaphene	<1.1	1.11		µg/L	0	WA
		Toxaphene	<2.2	2.22		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.1		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1		µg/L	0	WA
		Trichloroethylene	2.5	1	J3	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Nonvolatile beta	1.3E+00	1	UI	pCi/L	0	GP
		Tritium	2.9E+00	1		pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/08/94  
Depth to water: 75.83 ft (23.11 m) below TOC  
Water elevation: 215.07 ft (65.55 m) msl  
Sp. conductance: 33  $\mu$ S/cm  
Turbidity: 0.7 NTU  
Water evacuated before sampling: 65 gal

Time: 11:13  
pH: 5.4  
Alkalinity: 1 mg/L  
Water temperature: 19.8 °C

Volumes purged: 8.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1	J3	pH	0	WA
		Specific conductance	31	1		$\mu$ S/cm	0	WA
•		Turbidity	0.54	1	J3	NTU	0	WA
		Acetophenone	<11	1.1		$\mu$ g/L	0	WA
		Aluminum, total recoverable	44	1		$\mu$ g/L	1	WA
		Antimony, total recoverable	<3.0	1		$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1		$\mu$ g/L	0	WA
		Barium, total recoverable	8.2	1		$\mu$ g/L	0	WA
		Benzene	<5.0	1		$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1		$\mu$ g/L	0	WA
		Bromoform	<5.0	1		$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1		$\mu$ g/L	0	WA
		Calcium, total recoverable	1,480	1	V	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1		$\mu$ g/L	0	WA
		Chloride	2,950	1		$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1		$\mu$ g/L	0	WA
		Chloroethane	<10	1		$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		$\mu$ g/L	0	WA
		Chloroform	<5.0	1		$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	3.6	1	J3	$\mu$ g/L	0	WA
		Chromium, total recoverable	<4.0	1		$\mu$ g/L	0	WA
		Copper, total recoverable	<4.0	1		$\mu$ g/L	0	WA
		Cyanide	<5.0	1		$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1		$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1		$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1		$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1		$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<40	1	JV2	$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06		$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.2	2.15		$\mu$ g/L	0	WA
		1,2-Dichloropropane	<5.0	1		$\mu$ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		$\mu$ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		$\mu$ g/L	0	WA
		Endrin	<0.11	1.11		$\mu$ g/L	0	WA
		Ethylbenzene	<5.0	1		$\mu$ g/L	0	WA
		Fluoride	<100	1		$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 4D collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	20	1		µg/L	0	WA
		Lead, total recoverable	<3.0	1		µg/L	0	WA
		Lindane	<0.056	1.11		µg/L	0	WA
		Magnesium, total recoverable	484	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.56	1.11		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	1,190	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	7,920	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	2,930	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	79,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	8.5	1		µg/L	0	WA
		Total phosphates (as P)	494	1		µg/L	0	WA
		Toxaphene	<1.1	1.11		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06		µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1	2.15		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Nonvolatile beta	9.9E-01	1	UI	pCi/L	0	GP
		Tritium	1.4E+01	1		pCi/mL	1	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 07/26/94  
Depth to water: 76.55 ft (23.33 m) below TOC  
Water elevation: 208.45 ft (63.54 m) msl  
Sp. conductance: 59 µS/cm  
Turbidity: 1.1 NTU  
Water evacuated before sampling: 36 gal

Time: 13:23  
pH: 5.0  
Alkalinity: 1 mg/L  
Water temperature: 20.4 °C  
Volumes purged: 4.1 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.3	1	JY3	pH	0	WA
•		pH	5.3	1	JY3	pH	0	WA
		Specific conductance	53	1	Y	µS/cm	0	WA
		Specific conductance	54	1	Y	µS/cm	0	WA
•		Turbidity	<0.20	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	114	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	24	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	2,230	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	4,110	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<67	1	JVY2	µg/L	0	WA
		Cyanide	<67	1	JVY2	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 5D collected on 07/26/94, laboratory analyses (cont.)

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	7.3	1	Y	µg/L	0	WA
		Lead, total recoverable	3.6	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Magnesium, total recoverable	1,070	1	Y	µg/L	0	WA
		Manganese, total recoverable	300	1	Y	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<9.5	1	Y	µg/L	0	GE
		Nickel, total recoverable	5.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,380	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,270	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,740	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,590	1	VY	µg/L	0	WA
		Sulfate	7,890	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
•		Total dissolved solids	59,000	1	JY3	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	10	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	1.08	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Nonvolatile beta	3.4E+00	1	Y	pCi/L	0	GP
■		Tritium	8.9E+01	1	Y	pCi/mL	2	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/15/94  
Depth to water: 71.83 ft (21.89 m) below TOC  
Water elevation: 205.17 ft (62.54 m) msl  
Sp. conductance: 71 µS/cm  
Turbidity: 1.3 NTU  
Water evacuated before sampling: 45 gal

Time: 8:42  
pH: 6.2  
Alkalinity: 12 mg/L  
Water temperature: 19.8 °C

Volumes purged: 4.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.5	1	JY3	pH	0	WA
		Specific conductance	66	1	Y	µS/cm	0	WA
•		Turbidity	0.32	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	<20	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	25	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	7,720	1	Y	µg/L	0	WA
		Chloride	3,420	1	Y	µg/L	0	WA
		Chloride	3,400	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.1	2.11	Y	µg/L	0	WA
		Endrin	<0.10	1.03	Y	µg/L	0	WA
•		Fluoride	167	1	JY3	µg/L	0	WA
•		Fluoride	165	1	JY3	µg/L	0	WA
		Iron, total recoverable	30	1	Y	µg/L	0	WA
		Lead, total recoverable	4.2	1	Y	µg/L	0	WA
		Lindane	<0.052	1.03	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	479	1	Y	µg/L	0	WA
		Manganese, total recoverable	20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.03	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	845	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	509	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	9,030	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,260	1	Y	µg/L	0	WA
		Sulfate	2,360	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 6D collected on 08/15/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sulfate	2,360	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
•		Total dissolved solids	44,000	1	JY3	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	7.4	1	Y	µg/L	0	WA
		Total phosphates (as P)	937	2	Y	µg/L	0	WA
		Toxaphene	<1.0	1.03	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1	2.11	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Nonvolatile beta	7.0E-01	1	UI	pCi/L	0	GP
		Tritium	9.3E+00	1		pCi/mL	0	GP

WELL BGX 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N78740.1	33.293782 °N	211.0-191.0 ft msl	277 ft msl	4" PVC	S	Barnwell (IIB <sub>1</sub> )
E57524.9	81.668277 °W					

FIELD MEASUREMENTS

Sample date: 09/06/94  
Depth to water: 71.99 ft (21.94 m) below TOC  
Water elevation: 205.01 ft (62.49 m) msl  
Sp. conductance: 77 µS/cm  
Turbidity: 1.2 NTU  
Water evacuated before sampling: 50 gal

Time: 8:56  
pH: 6.1  
Alkalinity: 12 mg/L  
Water temperature: 19.2 °C

Volumes purged: 5.4 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	3.6	1	J3	µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<24	1	JV2	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 6D collected on 09/06/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA

## 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/15/94

Depth to water: 74.13 ft (22.60 m) below TOC

Water elevation: 205.07 ft (62.51 m) msl

Sp. conductance: 23 µS/cm

Turbidity: 0.8 NTU

Water evacuated before sampling: 48 gal

Time: 9:25

pH: 5.0

Alkalinity: 0 mg/L

Water temperature: 19.6 °C

Volumes purged: 6.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	11	1	JY3	pH	2	WA
		Specific conductance	21	1	Y	µS/cm	0	WA
		Specific conductance	20	1	Y	µS/cm	0	WA
•		Turbidity	0.36	1	JY3	NTU	0	WA
•		Turbidity	0.39	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	36	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	7.2	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	418	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,260	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	1.8	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGX 7D collected on 08/15/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.02	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
•		Fluoride	<100	1	JY	µg/L	0	WA
		Iron, total recoverable	<68	1	JVY2	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Magnesium, total recoverable	348	1	VY	µg/L	0	WA
		Manganese, total recoverable	12	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	660	5	Y	µg/L	0	WA
		Nitrate as nitrogen	650	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	582	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,470	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,680	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
•		Total dissolved solids	8,000	1	JY3	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	5.5	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.51	1.02	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Nonvolatile beta	3.1E+00	1	J3	pCi/L	0	GP
		Total activity	1.1E+06	1		pCi/L	0	EM
■		Tritium	1.2E+03	1		pCi/mL	2	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/15/94  
Depth to water: 73.54 ft (22.42 m) below TOC  
Water elevation: 204.66 ft (62.38 m) msl  
Sp. conductance: 49 µS/cm  
Turbidity: 1.4 NTU  
Water evacuated before sampling: 52 gal

Time: 10:19  
pH: 5.9  
Alkalinity: 5 mg/L  
Water temperature: 20.3 °C

Volumes purged: 3.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.2	1	JY3	pH	0	WA
		Specific conductance	51	1	Y	µS/cm	0	WA
•		Turbidity	0.55	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	96	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	110	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	34,400	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,940	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	1.4	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
•		Fluoride	<100	1	JY	µg/L	0	WA
		Iron, total recoverable	96	1	VY	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 8DR collected on 08/15/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	4.6	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Magnesium, total recoverable	630	1	VY	µg/L	0	WA
		Manganese, total recoverable	34	1	Y	µg/L	1	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,400	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	8,200	2.1	Y	µg/L	0	WA
		Silver, total recoverable	2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,880	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
•		Total dissolved solids	39,000	1	JY3	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	6.2	1	Y	µg/L	0	WA
		Total organic halogens	5.8	1	Y	µg/L	0	WA
		Total phosphates (as P)	430	2	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	1.9	1	JY3	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Nonvolatile beta	1.5E+00	1	UI	pCi/L	0	GP
		Total activity	1.0E+06	10		pCi/L	0	EM
■		Tritium	1.1E+03	1		pCi/mL	2	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/15/94  
Depth to water: 53.10 ft (16.19 m) below TOC  
Water elevation: 226.30 ft (68.98 m) msl  
Sp. conductance: 28 µS/cm  
Turbidity: 0.2 NTU  
Water evacuated before sampling: 70 gal

Time: 11:03  
pH: 4.8  
Alkalinity: 0 mg/L  
Water temperature: 19.5 °C

Volumes purged: 7.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1	JY3	pH	0	WA
		Specific conductance	24	1	Y	µS/cm	0	WA
•		Turbidity	<0.20	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	40	1	Y	µg/L	1	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	4.7	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	667	1	Y	µg/L	0	WA
		Chloride	2,330	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		Endrin	<0.10	1.04	Y	µg/L	0	WA
•		Fluoride	<100	1	JY3	µg/L	0	WA
		Iron, total recoverable	17	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.052	1.04	Y	µg/L	0	WA
		Lithium, total recoverable	<5.0	1	Y	µg/L	0	WA
		Magnesium, total recoverable	395	1	Y	µg/L	0	WA
		Manganese, total recoverable	3.5	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.52	1.04	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,300	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,550	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,060	1	Y	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
•		Total dissolved solids	72,000	1	JY3	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	6.8	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 9D collected on 08/15/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
		Toxaphene	<1.0	1.04	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Nonvolatile beta	3.0E+00	1	J3	pCi/L	0	GP
		Tritium	1.1E+01	1		pCi/mL	1	GP

WELL BGX 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76936.0	33.293050 °N	232.4-212.4 ft msl	279.4 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )
E59522.1	81.659513 °W					

FIELD MEASUREMENTS

Sample date: 09/06/94  
Depth to water: 53.07 ft (16.18 m) below TOC  
Water elevation: 226.33 ft (68.99 m) msl  
Sp. conductance: 29 µS/cm  
Turbidity: 0.2 NTU  
Water evacuated before sampling: 51 gal

Time: 9:20  
pH: 4.7  
Alkalinity: 0 mg/L  
Water temperature: 19.1 °C

Volumes purged: 5.6 well volumes

LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	4.8	1	J3	µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<24	1	JV2	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL BGX 10D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
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 <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/16/94  
Depth to water: 51.76 ft (15.78 m) below TOC  
Water elevation: 225.14 ft (68.62 m) msl  
Sp. conductance: 37  $\mu$ S/cm  
Turbidity: 22.2 NTU  
Water evacuated before sampling: 3 gal  
The well went dry during purging.

Time: 7:14  
pH: 6.0  
Alkalinity: 6 mg/L  
Water temperature: 19.8 °C

Volumes purged: 0.5 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	JY3	pH	0	WA
		Specific conductance	31	1	Y	$\mu$ S/cm	0	WA
•		Turbidity	15	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	$\mu$ g/L	0	WA
		Aluminum, total recoverable	1,050	1	JY3	$\mu$ g/L	2	WA
		Aluminum, total recoverable	1,180	1	JY3	$\mu$ g/L	2	WA
		Antimony, total recoverable	<15	1	JY3	$\mu$ g/L	0	WA
		Antimony, total recoverable	<3.0	1	JY3	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y3	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y3	$\mu$ g/L	0	WA
		Barium, total recoverable	68	1	JY3	$\mu$ g/L	0	WA
		Barium, total recoverable	69	1	JY3	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	JY3	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	JY3	$\mu$ g/L	0	WA
		Calcium, total recoverable	848	1	JVY3	$\mu$ g/L	0	WA
		Calcium, total recoverable	811	1	JVY3	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	2,070	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		Chromium, total recoverable	5.4	1	JY3	$\mu$ g/L	0	WA
		Chromium, total recoverable	4.8	1	JY3	$\mu$ g/L	0	WA
		Copper, total recoverable	34	1	JY3	$\mu$ g/L	0	WA
		Copper, total recoverable	32	1	JY3	$\mu$ g/L	0	WA
		Cyanide	<5.0	1	Y	$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<25	1	JVY2	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 10D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.4	2.35	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	3,900	1	JVY3	µg/L	2	WA
		Iron, total recoverable	3,710	1	JVY3	µg/L	2	WA
■		Lead, total recoverable	61	1	Y	µg/L	2	WA
■		Lead, total recoverable	61	1	Y	µg/L	2	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Magnesium, total recoverable	627	1	JVY3	µg/L	0	WA
		Magnesium, total recoverable	594	1	JVY3	µg/L	0	WA
		Manganese, total recoverable	63	1	JY3	µg/L	2	WA
		Manganese, total recoverable	59	1	JY3	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	5.7	1	JY3	µg/L	0	WA
		Nickel, total recoverable	5.8	1	JY3	µg/L	0	WA
		Nitrate as nitrogen	1,360	5	Y	µg/L	0	WA
•		Phenols	<5.0	1	JY	µg/L	0	WA
		Potassium, total recoverable	<500	1	JY3	µg/L	0	WA
		Potassium, total recoverable	<500	1	JY3	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Silica, total recoverable	5,400	2.1	JY3	µg/L	0	WA
		Silica, total recoverable	4,400	2.1	JY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	JY3	µg/L	0	WA
		Sodium, total recoverable	2,620	1	JVY3	µg/L	0	WA
		Sodium, total recoverable	2,430	1	JVY3	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	JY3	µg/L	0	WA
		Tin, total recoverable	<17	1	JY3	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
•		Total dissolved solids	24,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	JY3	µg/L	0	WA
		Total organic halogens	9.1	1	Y	µg/L	0	WA
		Total phosphates (as P)	2,460	10	Y	µg/L	0	WA
		Total phosphates (as P)	2,480	10	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<1.2	2.35	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	7.0	1	JY3	µg/L	0	WA
		Vanadium, total recoverable	6.0	1	JY3	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 10D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	3.2E+00	1	J3	pCi/L	0	GP
		Tritium	1.1E+01	1		pCi/mL	1	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 <sub>2</sub> )
E59581.4	81.656180 °W					

## FIELD MEASUREMENTS

Sample date: 08/16/94  
Depth to water: 41.67 ft (12.70 m) below TOC  
Water elevation: 234.63 ft (71.52 m) msl  
Sp. conductance: 47 µS/cm  
Turbidity: 25.0 NTU  
Water evacuated before sampling: 8 gal  
The well went dry during purging.

Time: 7:42  
pH: 4.3  
Alkalinity: 0 mg/L  
Water temperature: 19.5 °C

Volumes purged: 0.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1	JY3	pH	0	WA
		Specific conductance	41	1	Y	µS/cm	0	WA
•		Turbidity	364	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	2,440	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	45	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,370	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,790	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	1.9	1	JY3	µg/L	0	WA
		Chromium, total recoverable	21	1	Y	µg/L	0	WA
		Copper, total recoverable	5.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<25	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGX 11D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.06	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	11,400	1	VY	µg/L	2	WA
		Lead, total recoverable	8.9	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Magnesium, total recoverable	542	1	VY	µg/L	0	WA
		Manganese, total recoverable	20	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,880	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	6,690	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,910	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	36,000	1	Y	µg/L	0	WA
●		Total organic carbon	1,400	1	JY3	µg/L	0	WA
		Total organic halogens	13	1	Y	µg/L	0	WA
		Total phosphates (as P)	3,360	10	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	19	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Nonvolatile beta	4.9E+00	1		pCi/L	0	GP
■		Tritium	2.0E+01	1		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )

## FIELD MEASUREMENTS

Sample date: 08/08/94  
Depth to water: 41.60 ft (12.68 m) below TOC  
Water elevation: 233.50 ft (71.17 m) msl  
Sp. conductance: 31 µS/cm  
Turbidity: 1.5 NTU  
Water evacuated before sampling: 143 gal

Time: 10:02  
pH: 5.7  
Alkalinity: 5 mg/L  
Water temperature: 19.5 °C

Volumes purged: 3.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1	JY1	pH	0	GE
•		pH	5.8	1	J1	pH	0	GE
•		pH	5.8	1	JY3	pH	0	WA
•		pH	5.8	1	JY3	pH	0	WA
		Specific conductance	30	1	Y	µS/cm	0	GE
		Specific conductance	29	1		µS/cm	0	GE
		Specific conductance	26	1	Y	µS/cm	0	WA
		Specific conductance	26	1	Y	µS/cm	0	WA
		Turbidity	0.45	1	Y	NTU	0	GE
		Turbidity	0.21	1		NTU	0	GE
•		Turbidity	0.32	1	JY3	NTU	0	WA
•		Turbidity	0.33	1	JY3	NTU	0	WA
•		Turbidity	0.34	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	GE
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1	Y	µg/L	0	WA
		Acetophenone	<11	1,1	Y	µg/L	0	WA
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1		µg/L	0	GE
		Aluminum, total recoverable	<20	1	Y	µg/L	0	WA
		Aluminum, total recoverable	<20	1	Y	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	<2.0	1		µg/L	0	GE
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Antimony, total recoverable	<3.0	1	Y	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	GE
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	7.0	1		µg/L	0	GE
		Barium, total recoverable	6.6	1		µg/L	0	GE
		Barium, total recoverable	6.0	1	Y	µg/L	0	WA
		Barium, total recoverable	5.9	1	Y	µg/L	0	WA
		Benzene	<1.0	1	Y	µg/L	0	GE
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<5.0	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL BGX 12C collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromodichloromethane	<1.0	1	Y	µg/L	0	GE
		Bromodichloromethane	<1.0	1		µg/L	0	GE
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<1.0	1	Y	µg/L	0	GE
		Bromoform	<1.0	1		µg/L	0	GE
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	1	Y	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	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	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,110	1		µg/L	0	GE
		Calcium, total recoverable	1,040	1		µg/L	0	GE
		Calcium, total recoverable	952	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,070	1	Y	µg/L	0	WA
		Carbon tetrachloride	<1.0	1	Y	µg/L	0	GE
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	1,910	1		µg/L	0	GE
		Chloride	1,890	1	Y	µg/L	0	GE
		Chloride	1,910	1		µg/L	0	GE
		Chloride	1,920	1		µg/L	0	GE
		Chloride	2,850	1	Y	µg/L	0	WA
		Chloride	2,870	1	Y	µg/L	0	WA
		Chlorobenzene	<1.0	1	Y	µg/L	0	GE
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<1.0	1	Y	µg/L	0	GE
		Chloroethane	<1.0	1		µg/L	0	GE
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	1	Y	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	1	Y	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1		µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<1.0	1	Y	µg/L	0	GE
		Chloroform	<1.0	1		µg/L	0	GE
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1	Y	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1		µg/L	0	GE
		Chloromethane (Methyl chloride)	4.1	1	JY3	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1		µg/L	0	GE
		Chromium, total recoverable	<4.0	1		µg/L	0	GE

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WELL BGX 12C collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	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	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<1.0	1	Y	µg/L	0	GE
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<1.0	1	Y	µg/L	0	GE
		1,1-Dichloroethane	<1.0	1		µg/L	0	GE
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<1.0	1	Y	µg/L	0	GE
		1,2-Dichloroethane	<1.0	1		µg/L	0	GE
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<1.0	1	Y	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	1	Y	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	1	Y	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.0015	1	Y	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	1.06	Y	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.04	Y	µg/L	0	WA
		1,2-Dichloropropane	<1.0	1	Y	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	1	Y	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0	1	Y	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.0059	1	Y	µg/L	0	GE
		Endrin	<0.0061	1		µg/L	0	GE
		Endrin	<0.11	1.11	Y	µg/L	0	WA
		Endrin	<0.11	1.11	Y	µg/L	0	WA
		Ethylbenzene	<1.0	1	Y	µg/L	0	GE

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WELL BGX 12C collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1		µg/L	0	GE
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	78	1		µg/L	0	GE
		Fluoride	53	1	Y	µg/L	0	GE
		Fluoride	60	1		µg/L	0	GE
		Fluoride	57	1		µg/L	0	GE
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	17	1		µg/L	0	GE
		Iron, total recoverable	15	1		µg/L	0	GE
		Iron, total recoverable	16	1	Y	µg/L	0	WA
		Iron, total recoverable	15	1	Y	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	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.0050	1	Y	µg/L	0	GE
		Lindane	<0.0051	1		µg/L	0	GE
		Lindane	<0.056	1.11	Y	µg/L	0	WA
		Lindane	<0.056	1.11	Y	µg/L	0	WA
		Magnesium, total recoverable	354	1		µg/L	0	GE
		Magnesium, total recoverable	354	1		µg/L	0	GE
		Magnesium, total recoverable	330	1	Y	µg/L	0	WA
		Magnesium, total recoverable	334	1	Y	µg/L	0	WA
		Manganese, total recoverable	16	1		µg/L	0	GE
		Manganese, total recoverable	16	1		µg/L	0	GE
		Manganese, total recoverable	15	1	Y	µg/L	0	WA
		Manganese, total recoverable	15	1	Y	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	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.50	1	Y	µg/L	0	GE
		Methoxychlor	<0.51	1		µg/L	0	GE
		Methoxychlor	<0.56	1.11	Y	µg/L	0	WA
		Methoxychlor	<0.56	1.11	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	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	Y	µg/L	0	WA
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	149	1	Y	µg/L	0	WA
		Nitrate as nitrogen	151	1	Y	µg/L	0	WA
		Nitrate-nitrite as nitrogen	138	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	133	1	Y	µg/L	0	GE
		Nitrate-nitrite as nitrogen	127	1		µg/L	0	GE
		Phenols	<5.0	1	Y	µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE

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WELL BGX 12C collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	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	GE
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	12,300	1		µg/L	0	GE
		Silica, total recoverable	12,300	1		µg/L	0	GE
		Silica, total recoverable	11,400	2.1	Y	µg/L	0	WA
		Silica, total recoverable	11,500	2.1	Y	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	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,150	1		µg/L	0	GE
		Sodium, total recoverable	3,100	1		µg/L	0	GE
		Sodium, total recoverable	2,900	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,960	1	Y	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1	Y	µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	<1,000	1		µg/L	0	GE
		Sulfate	1,060	1	Y	µg/L	0	WA
		Sulfate	1,110	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1	Y	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<1.0	1	Y	µg/L	0	GE
		Tetrachloroethylene	<1.0	1		µg/L	0	GE
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	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	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<1.0	1	Y	µg/L	0	GE
		Toluene	<1.0	1		µg/L	0	GE
		Toluene	<5.0	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	25,000	1	Y	µg/L	0	GE
		Total dissolved solids	33,000	1		µg/L	0	GE
		Total dissolved solids	36,000	1	Y	µg/L	0	WA
		Total dissolved solids	39,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	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	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	6.0	1	JY3	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	8.1	1	Y	µg/L	0	WA
		Total organic halogens	7.3	1	Y	µg/L	0	WA
		Total phosphates (as P)	235	1	JV2	µg/L	0	GE

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WELL BGX 12C collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total phosphates (as P)	157	1	JV2	µg/L	0	GE
		Total phosphates (as P)	2,060	5	Y	µg/L	0	WA
		Total phosphates (as P)	298	1	Y	µg/L	0	WA
		Toxaphene	<0.24	1	Y	µg/L	0	GE
		Toxaphene	<0.25	1		µg/L	0	GE
		Toxaphene	<1.1	1.11	Y	µg/L	0	WA
		Toxaphene	<1.1	1.11	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00045	1	Y	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.04	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	1	Y	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<1.0	1	Y	µg/L	0	GE
		Trichloroethylene	<1.0	1		µg/L	0	GE
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<1.0	1	Y	µg/L	0	GE
		Trichlorofluoromethane	<1.0	1		µg/L	0	GE
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		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	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<2.0	1	Y	µg/L	0	GE
		Xylenes	<2.0	1		µg/L	0	GE
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Nonvolatile beta	3.2E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	9.9E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	-2.0E-01	1	UI	pCi/L	0	TM
		Nonvolatile beta	-1.0E-01	1	UI	pCi/L	0	TM
		Tritium	2.0E-01	1	UI	pCi/mL	0	GP
		Tritium	3.3E-01	1	UI	pCi/mL	0	GP
		Tritium	5.9E-01	1	JV1	pCi/mL	0	TM
		Tritium	5.1E-01	1	JV1	pCi/mL	0	TM
		Tritium	6.2E-01	1	JV1	pCi/mL	0	TM

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# WELL BGX 12D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74410.9 E59674.3	33.287714 °N 81.654207 °W	243.7-223.7 ft msl	275.2 ft msl	4" PVC	S	Water Table (IIB <sub>2</sub> )

## FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 38.15 ft (11.63 m) below TOC  
Water elevation: 237.05 ft (72.25 m) msl  
Sp. conductance: 18 µS/cm  
Turbidity: 21.8 NTU  
Water evacuated before sampling: 7 gal  
The well went dry during purging.

Time: 7:44  
pH: 5.2  
Alkalinity: 1 mg/L  
Water temperature: 19.1 °C

Volumes purged: 0.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.5	1	J3	pH	0	WA
		Specific conductance	18	1		µS/cm	0	WA
		Turbidity	6.4	1		NTU	0	WA
		Acetophenone	<22	2.2		µg/L	0	WA
		Aluminum, total recoverable	442	1		µg/L	2	WA
		Antimony, total recoverable	<3.0	1		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1		µg/L	0	WA
		Barium, total recoverable	20	1		µg/L	0	WA
		Benzene	<5.0	1		µg/L	0	WA
		Bromodichloromethane	<5.0	1		µg/L	0	WA
		Bromoform	<5.0	1		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	883	1	V	µg/L	0	WA
		Carbon tetrachloride	<5.0	1		µg/L	0	WA
		Chloride	2,120	1		µg/L	0	WA
		Chlorobenzene	<5.0	1		µg/L	0	WA
		Chloroethane	<10	1		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1		µg/L	0	WA
		Chloroform	<5.0	1		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1		µg/L	0	WA
		Chromium, total recoverable	4.2	1		µg/L	0	WA
		Copper, total recoverable	11	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1		µg/L	0	WA
		Endrin	<0.10	1.04		µg/L	0	WA
		Endrin	<0.10	1.04		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL BGX 12D collected on 08/09/94, laboratory analyses (cont.)

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Iron, total recoverable	1,330	1		µg/L	2	WA
		Lead, total recoverable	7.7	1		µg/L	0	WA
		Lindane	<0.052	1.04		µg/L	0	WA
		Lindane	<0.052	1.04		µg/L	0	WA
		Magnesium, total recoverable	423	1		µg/L	0	WA
		Manganese, total recoverable	16	1		µg/L	0	WA
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.52	1.04		µg/L	0	WA
		Methoxychlor	<0.52	1.04		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	101	1		µg/L	0	WA
		Phenols	<5.0	1		µg/L	0	WA
		Potassium, total recoverable	707	1		µg/L	0	WA
		Selenium, total recoverable	<2.0	1		µg/L	0	WA
		Silica, total recoverable	4,400	2.1		µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	1,130	1	V	µg/L	0	WA
		Sulfate	<1,000	1		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1		µg/L	0	WA
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	<17	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	41,000	1	V	µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	WA
		Total organic halogens	5.1	1		µg/L	0	WA
		Total phosphates (as P)	1,950	5		µg/L	0	WA
		Toxaphene	<1.0	1.04		µg/L	0	WA
		Toxaphene	<1.0	1.04		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05		µg/L	0	WA
		1,1,1-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	0	WA
		Trichlorofluoromethane	<5.0	1		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Nonvolatile beta	1.4E+00	1	UI	pCi/L	0	GP
		Tritium	2.0E+01	1		pCi/mL	1	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# WELL FSS 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75257.6	33.280161 °N	229.9-209.9 ft msl	266 ft msl	4" PVC	S	Water Table
E53897.6	81.671063 °W					

## FIELD MEASUREMENTS

Sample date: 08/16/94  
Depth to water: 43.04 ft (13.12 m) below TOC  
Water elevation: 222.96 ft (67.96 m) msl  
Sp. conductance: 76 µS/cm  
Turbidity: 75.5 NTU  
Water evacuated before sampling: 7 gal  
The well went dry during purging.

Time: 12:27  
pH: 5.8  
Alkalinity: 18 mg/L  
Water temperature: 21.0 °C  
Volumes purged: 0.8 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.5	1	JY3	pH	0	WA
•		pH	6.5	1	JY3	pH	0	WA
		Specific conductance	108	1	Y	µS/cm	0	WA
•		Turbidity	19	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Acetophenone	<10	1	Y	µg/L	0	WA
		Aluminum, total recoverable	2,460	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	14	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	11,700	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,230	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	4.5	1	JY3	µg/L	0	WA
		Chromium, total recoverable	9.4	1	Y	µg/L	0	WA
		Copper, total recoverable	348	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.08	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL FSS 1D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	3,060	1	VY	µg/L	2	WA
■		Lead, total recoverable	53	1	Y	µg/L	2	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Magnesium, total recoverable	376	1	VY	µg/L	0	WA
		Manganese, total recoverable	58	1	Y	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	11	1	Y	µg/L	0	WA
		Nitrate as nitrogen	355	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,180	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	2,540	1	VY	µg/L	0	WA
		Sulfate	1,610	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	63,000	1	Y	µg/L	0	WA
●		Total organic carbon	<1,000	1	JY3	µg/L	0	WA
		Total organic halogens	11	1	Y	µg/L	0	WA
		Total phosphates (as P)	2,820	10	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	GE
		Tributyl phosphate	<10	1		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	4.4	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	2.3E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1	J3	pCi/L	0	GP
		Tritium	1.1E+01	1		pCi/mL	1	GP
		Uranium-233/234	2.0E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.0E-01	1	UI	pCi/L	0	GP
		Uranium-238	5.5E-01	1	UI	pCi/L	0	GP

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# 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: 08/16/94  
Depth to water: 39.27 ft (11.97 m) below TOC  
Water elevation: 222.33 ft (67.77 m) msl  
Sp. conductance: 84  $\mu$ S/cm  
Turbidity: 53.5 NTU  
Water evacuated before sampling: 10 gal  
The well went dry during purging.

Time: 12:01  
pH: 5.6  
Alkalinity: 5 mg/L  
Water temperature: 21.5 °C

Volumes purged: 0.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1	JY3	pH	0	WA
		Specific conductance	74	1	Y	$\mu$ S/cm	0	WA
•		Turbidity	12	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	$\mu$ g/L	0	WA
•		Acetophenone	<11	1.1	JY	$\mu$ g/L	0	WA
		Aluminum, total recoverable	532	1	Y	$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	22	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Calcium, total recoverable	3,470	1	VY	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	3,760	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	1.6	1	JY3	$\mu$ g/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	$\mu$ g/L	0	WA
		Copper, total recoverable	22	1	Y	$\mu$ g/L	0	WA
		Cyanide	<5.0	1	Y	$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	$\mu$ g/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	$\mu$ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		Endrin	<0.11	1.06	Y	$\mu$ g/L	0	WA
		Ethylbenzene	<5.0	1	Y	$\mu$ g/L	0	WA
•		Fluoride	<100	1	JY	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL FSS 2D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	864	1	VY	µg/L	2	WA
		Lead, total recoverable	24	1	Y	µg/L	0	WA
		Lindane	<0.053	1.06	Y	µg/L	0	WA
		Magnesium, total recoverable	752	1	VY	µg/L	0	WA
		Manganese, total recoverable	41	1	Y	µg/L	1	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.53	1.06	Y	µg/L	0	WA
		Naphthalene	<10	1	Y	µg/L	0	GE
		Nickel, total recoverable	4.5	1	Y	µg/L	0	WA
		Nitrate as nitrogen	765	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	539	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	3,980	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	4,200	1	VY	µg/L	0	WA
		Sulfate	13,800	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	36,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	8.9	1	Y	µg/L	0	WA
		Total phosphates (as P)	161	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.06	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1	Y	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	4.9E+00	1		pCi/L	0	GP
		Nonvolatile beta	3.6E+00	1		pCi/L	0	GP
		Radium, total alpha-emitting	2.5E+00	1		pCi/L	0	GP
■		Tritium	2.3E+02	1		pCi/mL	2	GP
■		Tritium	2.3E+02	1		pCi/mL	2	GP
		Uranium-233/234	1.9E-01	1	UI	pCi/L	0	GP
		Uranium-235	<0.0E+00	1	I	pCi/L	0	GP
		Uranium-238	4.7E-01	1	UI	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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: 08/16/94  
Depth to water: 38.15 ft (11.63 m) below TOC  
Water elevation: 220.05 ft (67.07 m) msl  
Sp. conductance: 68  $\mu$ S/cm  
Turbidity: 29.0 NTU  
Water evacuated before sampling: 7 gal  
The well went dry during purging.

Time: 11:40  
pH: 5.1  
Alkalinity: 1 mg/L  
Water temperature: 20.9 °C  
Volumes purged: 0.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.3	1	JY3	pH	0	WA
		Specific conductance	58	1	Y	$\mu$ S/cm	0	WA
•		Turbidity	4.4	1	JY3	NTU	0	WA
•		Turbidity	4.4	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	$\mu$ g/L	0	WA
•		Acetophenone	<11	1.1	JY	$\mu$ g/L	0	WA
		Aluminum, total recoverable	2,230	1	Y	$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	50	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Calcium, total recoverable	887	1	VY	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	3,840	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		Chromium, total recoverable	12	1	Y	$\mu$ g/L	0	WA
		Copper, total recoverable	572	1	Y	$\mu$ g/L	1	WA
		Cyanide	<5.0	1	Y	$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.05	Y	$\mu$ g/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	$\mu$ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		Endrin	<0.11	1.11	Y	$\mu$ g/L	0	WA
		Ethylbenzene	<5.0	1	Y	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL FSS 3D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		Fluoride	<100	1	JY	µg/L	0	WA
•		Fluoride	<100	1	JY	µg/L	0	WA
		Iron, total recoverable	3,670	1	VY	µg/L	2	WA
■		Lead, total recoverable	492	40	Y	µg/L	2	WA
		Lindane	<0.056	1.11	Y	µg/L	0	WA
		Magnesium, total recoverable	730	1	VY	µg/L	0	WA
		Manganese, total recoverable	105	1	Y	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.56	1.11	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	14	1	Y	µg/L	0	WA
		Nitrate as nitrogen	895	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	11,700	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	5,290	1	VY	µg/L	0	WA
		Sulfate	10,200	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	40,000	1	Y	µg/L	0	WA
		Total dissolved solids	40,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	8.4	1	Y	µg/L	0	WA
		Total phosphates (as P)	202	1	Y	µg/L	0	WA
		Toxaphene	<1.1	1.11	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.05	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	5.8	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.2E+01	1		pCi/L	1	GP
		Nonvolatile beta	3.3E+00	1	J3	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1	J3	pCi/L	0	GP
■		Tritium	2.5E+02	1		pCi/mL	2	GP
		Uranium-233/234	2.8E-01	1	UI	pCi/L	0	GP
		Uranium-235	4.1E-02	1	UI	pCi/L	0	GP
		Uranium-238	5.7E-01	1	UI	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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: 08/16/94  
Depth to water: 72.65 ft (22.14 m) below TOC  
Water elevation: 219.15 ft (66.80 m) msl  
Sp. conductance: 50  $\mu$ S/cm  
Turbidity: 34.0 NTU  
Water evacuated before sampling: 16 gal  
The well went dry during purging.

Time: 12:57  
pH: 5.0  
Alkalinity: 0 mg/L  
Water temperature: 20.7 °C

Volumes purged: 1.5 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	JY3	pH	0	WA
		Specific conductance	45	1	Y	$\mu$ S/cm	0	WA
•		Turbidity	19	1	JY3	NTU	0	WA
		Acetophenone	<10	1	Y	$\mu$ g/L	0	WA
•		Acetophenone	<11	1.1	JY	$\mu$ g/L	0	WA
		Aluminum, total recoverable	481	1	Y	$\mu$ g/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	$\mu$ g/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Barium, total recoverable	11	1	Y	$\mu$ g/L	0	WA
		Benzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromodichloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromoform	<5.0	1	Y	$\mu$ g/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	$\mu$ g/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	$\mu$ g/L	0	WA
		Calcium, total recoverable	914	1	VY	$\mu$ g/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloride	4,670	1	Y	$\mu$ g/L	0	WA
		Chlorobenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloroethane	<10	1	Y	$\mu$ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	$\mu$ g/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	$\mu$ g/L	0	WA
		Chloroform	<5.0	1	Y	$\mu$ g/L	0	WA
		Chloromethane (Methyl chloride)	3.1	1	JY3	$\mu$ g/L	0	WA
		Chromium, total recoverable	4.0	1	Y	$\mu$ g/L	0	WA
		Copper, total recoverable	5.8	1	Y	$\mu$ g/L	0	WA
		Cyanide	<5.0	1	Y	$\mu$ g/L	0	WA
		Dibromochloromethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	$\mu$ g/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	$\mu$ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	$\mu$ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	$\mu$ g/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	$\mu$ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	$\mu$ g/L	0	WA
		Endrin	<0.11	1.08	Y	$\mu$ g/L	0	WA
		Ethylbenzene	<5.0	1	Y	$\mu$ g/L	0	WA
		Fluoride	<100	1	Y	$\mu$ g/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



WELL FSS 4D collected on 08/16/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	745	1	VY	µg/L	2	WA
		Lead, total recoverable	3.4	1	Y	µg/L	0	WA
		Lindane	<0.054	1.08	Y	µg/L	0	WA
		Magnesium, total recoverable	588	1	VY	µg/L	0	WA
		Manganese, total recoverable	17	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.54	1.08	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	2,180	5	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,040	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	3,390	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	28,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	JY3	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		Total phosphates (as P)	3,190	10	Y	µg/L	0	WA
		Toxaphene	<1.1	1.08	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		Tributyl phosphate	<10	1		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	1.2	1	JY3	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.0E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1	UI	pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1	J3	pCi/L	0	GP
		Tritium	6.6E+00	1		pCi/mL	0	GP
		Uranium-233/234	3.6E-01	1	UI	pCi/L	0	GP
		Uranium-235	1.3E+00	1	J3	pCi/L	0	GP
		Uranium-238	1.3E+00	1	J3	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>1</sub> )

### FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 55.89 ft (17.04 m) below TOC  
Water elevation: 208.61 ft (63.59 m) msl  
Sp. conductance: 95 µS/cm  
Turbidity: 26.8 NTU  
Water evacuated before sampling: 4 gal  
The well went dry during purging.

Time: 10:03  
pH: 6.1  
Alkalinity: 19 mg/L  
Water temperature: 18.8 °C

Volumes purged: 0.7 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.2	1	JY3	pH	0	WA
		Specific conductance	77	1	Y	µS/cm	0	WA
		Turbidity	8.3	1	Y	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	3,550	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	31	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	1,030	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	5,180	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	13	1	Y	µg/L	0	WA
		Copper, total recoverable	20	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<34	1	JVY2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
•		Endrin	<0.10	1.03	JY3	µg/L	0	WA
•		Endrin	<0.10	1.03	JY3	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL HMD 1D collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
	■	Iron, total recoverable	11,300	1	Y	µg/L	2	WA
	■	Lead, total recoverable	63	2	Y	µg/L	2	WA
•		Lindane	<0.052	1.03	JY3	µg/L	0	WA
•		Lindane	<0.052	1.03	JY3	µg/L	0	WA
		Magnesium, total recoverable	294	1	Y	µg/L	0	WA
		Manganese, total recoverable	73	1	Y	µg/L	2	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
•		Methoxychlor	<0.52	1.03	JY3	µg/L	0	WA
•		Methoxychlor	<0.52	1.03	JY3	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	13	1	Y	µg/L	0	WA
		Nitrate as nitrogen	102	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	7,010	2.1	Y	µg/L	0	WA
		Silver, total recoverable	2.3	1	Y	µg/L	0	WA
		Sodium, total recoverable	11,900	1	VY	µg/L	0	WA
		Sulfate	10,400	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	319,000	1	VY	µg/L	0	WA
		Total dissolved solids	378,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	5.7	1	Y	µg/L	0	WA
		Total phosphates (as P)	<50	1	Y	µg/L	0	WA
•		Toxaphene	<1.0	1.03	JY3	µg/L	0	WA
•		Toxaphene	<1.0	1.03	JY3	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	10	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	1.1E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	4.6E-01	1	UI	pCi/L	0	GP
	■	Tritium	3.3E+01	1		pCi/mL	2	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>1</sub> )

### FIELD MEASUREMENTS

Sample date: 08/08/94  
Depth to water: 61.30 ft (18.68 m) below TOC  
Water elevation: 199.80 ft (60.90 m) msl  
Sp. conductance: 73 µS/cm  
Turbidity: 0.7 NTU  
Water evacuated before sampling: 67 gal

Time: 16:25  
pH: 5.8  
Alkalinity: 10 mg/L  
Water temperature: 19.6 °C

Volumes purged: 11.3 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1	JY3	pH	0	WA
		Specific conductance	60	1	Y	µS/cm	0	WA
•		Turbidity	0.30	1	JY3	NTU	0	WA
		Acetophenone	<11	1.1	Y	µg/L	0	WA
		Aluminum, total recoverable	53	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	269	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	2,820	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1	Y	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	<4.0	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.11	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL HMD 2D collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Iron, total recoverable	20	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Lindane	<0.056	1.11	Y	µg/L	0	WA
		Magnesium, total recoverable	81	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.56	1.11	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	222	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	<500	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	5,820	2.1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Sodium, total recoverable	13,400	1	VY	µg/L	0	WA
		Sulfate	9,960	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	48,000	1	Y	µg/L	0	WA
		Total dissolved solids	48,000	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	8.1	1	Y	µg/L	0	WA
		Total phosphates (as P)	777	2	Y	µg/L	0	WA
		Toxaphene	<1.1	1.11	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	1.03	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	1.0	1	JY3	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	6.5E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	2.2E-01	1	UI	pCi/L	0	GP
		Tritium	1.2E+01	1		pCi/mL	1	GP

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

# 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 <sub>1</sub> )
E57745.2	81.669327 °W					

## FIELD MEASUREMENTS

Sample date: 08/08/94  
Depth to water: 60.15 ft (18.33 m) below TOC  
Water elevation: 199.35 ft (60.76 m) msl  
Sp. conductance: 61 µS/cm  
Turbidity: 2.1 NTU  
Water evacuated before sampling: 76 gal

Time: 15:27  
pH: 4.9  
Alkalinity: 0 mg/L  
Water temperature: 19.5 °C

Volumes purged: 9.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1	J1	pH	0	GE
•		pH	5.4	1	J1	pH	0	GE
•		pH	5.3	1	JY1	pH	0	GE
•		pH	5.1	1	J3	pH	0	WA
•		pH	5.2	1	J3	pH	0	WA
		Specific conductance	55	1		µS/cm	0	GE
		Specific conductance	54	1		µS/cm	0	GE
		Specific conductance	55	1	Y	µS/cm	0	GE
		Specific conductance	57	1		µS/cm	0	WA
		Specific conductance	55	1		µS/cm	0	WA
		Turbidity	4.4	1		NTU	0	GE
		Turbidity	4.5	1		NTU	0	GE
		Turbidity	<0.10	1	Y	NTU	0	GE
•		Turbidity	3.5	1	J3	NTU	0	WA
•		Turbidity	3.0	1	J3	NTU	0	WA
		Acetophenone	<10	1		µg/L	0	GE
		Acetophenone	<10	1	Y	µg/L	0	GE
		Acetophenone	<11	1.1		µg/L	0	WA
		Acetophenone	<11	1.1		µg/L	0	WA
		Aluminum, total recoverable	74	1		µg/L	2	GE
		Aluminum, total recoverable	74	1		µg/L	2	GE
		Aluminum, total recoverable	70	1		µg/L	2	GE
		Aluminum, total recoverable	74	1		µg/L	2	WA
		Aluminum, total recoverable	76	1		µg/L	2	WA
		Aluminum, total recoverable	87	1		µg/L	2	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	8.3	1		µg/L	0	GE
		Barium, total recoverable	8.2	1		µg/L	0	GE
		Barium, total recoverable	8.4	1		µg/L	0	GE
		Barium, total recoverable	8.7	1		µg/L	0	WA

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WELL HMD 3D collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	8.6	1		µg/L	0	WA
		Barium, total recoverable	9.3	1		µg/L	0	WA
		Benzene	<1.0	1		µg/L	0	GE
		Benzene	<1.0	1	Y	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	Y	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	Y	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	Y	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
		Cadmium, total recoverable	<2.0	1		µg/L	0	WA
		Calcium, total recoverable	957	1		µg/L	0	GE
		Calcium, total recoverable	955	1		µg/L	0	GE
		Calcium, total recoverable	949	1		µg/L	0	GE
		Calcium, total recoverable	928	1		µg/L	0	WA
		Calcium, total recoverable	949	1		µg/L	0	WA
		Calcium, total recoverable	892	1		µg/L	0	WA
		Carbon tetrachloride	<1.0	1		µg/L	0	GE
		Carbon tetrachloride	<1.0	1	Y	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	2,290	1	Y	µg/L	0	GE
		Chloride	3,410	1		µg/L	0	WA
		Chloride	3,360	1		µg/L	0	WA
		Chlorobenzene	<1.0	1		µg/L	0	GE
		Chlorobenzene	<1.0	1	Y	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	Y	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	Y	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	Y	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	Y	µg/L	0	GE

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WELL HMD 3D collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		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	Y	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
		Chromium, total recoverable	<4.0	1		µg/L	0	WA
		Copper, total recoverable	7.3	1		µg/L	0	GE
		Copper, total recoverable	7.3	1		µg/L	0	GE
		Copper, total recoverable	8.1	1		µg/L	0	GE
		Copper, total recoverable	7.0	1		µg/L	0	WA
		Copper, total recoverable	7.2	1		µg/L	0	WA
		Copper, total recoverable	7.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	GE
		Cyanide	<5.0	1	Y	µg/L	0	GE
		Cyanide	<5.0	1		µg/L	0	WA
		Cyanide	<5.0	1		µg/L	0	WA
		Dibromochloromethane	<1.0	1		µg/L	0	GE
		Dibromochloromethane	<1.0	1	Y	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	Y	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	Y	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	Y	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	Y	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	Y	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	1	V	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<30	1	JV2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.0015	1		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1	Y	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09		µg/L	0	WA
		1,2-Dichloropropane	<1.0	1		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1	Y	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	Y	µg/L	0	GE

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WELL HMD 3D collected on 08/08/94, laboratory analyses (cont.)

H	ST	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	Y	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
		Endrin	<0.0060	1		µg/L	0	GE
		Endrin	<0.0062	1	Y	µg/L	0	GE
		Endrin	<0.11	1.11		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	Y	µg/L	0	GE
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Ethylbenzene	<5.0	1		µg/L	0	WA
		Fluoride	<20	1		µg/L	0	GE
		Fluoride	<20	1	Y	µg/L	0	GE
		Fluoride	<100	1		µg/L	0	WA
		Fluoride	<100	1		µg/L	0	WA
		Iron, total recoverable	358	1		µg/L	2	GE
		Iron, total recoverable	357	1		µg/L	2	GE
		Iron, total recoverable	375	1		µg/L	2	GE
		Iron, total recoverable	693	1		µg/L	2	WA
		Iron, total recoverable	694	1		µg/L	2	WA
		Iron, total recoverable	557	1		µg/L	2	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	<0.0052	1	Y	µg/L	0	GE
		Lindane	<0.056	1.11		µg/L	0	WA
		Lindane	<0.056	1.11		µg/L	0	WA
		Magnesium, total recoverable	568	1		µg/L	0	GE
		Magnesium, total recoverable	566	1		µg/L	0	GE
		Magnesium, total recoverable	569	1		µg/L	0	GE
		Magnesium, total recoverable	570	1		µg/L	0	WA
		Magnesium, total recoverable	551	1		µg/L	0	WA
		Magnesium, total recoverable	567	1		µg/L	0	WA
		Manganese, total recoverable	18	1		µg/L	0	GE
		Manganese, total recoverable	18	1		µg/L	0	GE
		Manganese, total recoverable	18	1		µg/L	0	GE
		Manganese, total recoverable	19	1		µg/L	0	WA
		Manganese, total recoverable	18	1		µg/L	0	WA
		Manganese, total recoverable	18	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
		Mercury, total recoverable	<0.20	1		µg/L	0	WA
		Methoxychlor	<0.50	1		µg/L	0	GE
		Methoxychlor	<0.52	1	Y	µg/L	0	GE
		Methoxychlor	<0.56	1.11		µg/L	0	WA
		Methoxychlor	<0.56	1.11		µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE

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WELL HMD 3D collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Naphthalene	<10	1	Y	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	<4.0	1		µg/L	0	WA
		Nickel, total recoverable	<4.0	1		µg/L	0	WA
		Nitrate as nitrogen	477	1		µg/L	0	WA
		Nitrate as nitrogen	469	1		µg/L	0	WA
		Nitrate-nitrite as nitrogen	506	1		µg/L	0	GE
		Nitrate-nitrite as nitrogen	473	1	Y	µg/L	0	GE
		Phenols	<5.0	1		µg/L	0	GE
		Phenols	<5.0	1	Y	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	504	1	J3	µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	GE
		Potassium, total recoverable	527	1	J3	µg/L	0	GE
		Potassium, total recoverable	<500	1		µg/L	0	WA
		Potassium, total recoverable	520	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	6,780	1		µg/L	0	GE
		Silica, total recoverable	6,750	1		µg/L	0	GE
		Silica, total recoverable	6,800	1		µg/L	0	GE
		Silica, total recoverable	6,750	2.1		µg/L	0	WA
		Silica, total recoverable	6,640	2.1		µg/L	0	WA
		Silica, total recoverable	6,760	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	J3	µg/L	0	WA
		Silver, total recoverable	<2.0	1	J3	µg/L	0	WA
		Silver, total recoverable	<2.0	1		µg/L	0	WA
		Sodium, total recoverable	6,880	1		µg/L	0	GE
		Sodium, total recoverable	6,870	1		µg/L	0	GE
		Sodium, total recoverable	6,940	1		µg/L	0	GE
		Sodium, total recoverable	6,640	1		µg/L	0	WA
		Sodium, total recoverable	6,680	1		µg/L	0	WA
		Sodium, total recoverable	6,880	1		µg/L	0	WA
		Sulfate	11,500	1		µg/L	0	GE
		Sulfate	10,200	1	Y	µg/L	0	GE
		Sulfate	12,600	1		µg/L	0	WA
		Sulfate	12,600	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	Y	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	Y	µg/L	0	GE
		Tetrachloroethylene	<5.0	1		µg/L	0	WA

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WELL HMD 3D collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tetrachloroethylene	<5.0	1		µg/L	0	WA
		Tin, total recoverable	2.3	1	J3	µg/L	0	GE
		Tin, total recoverable	2.0	1	J3	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	Y	µg/L	0	GE
		Toluene	<5.0	1		µg/L	0	WA
		Toluene	<5.0	1		µg/L	0	WA
		Total dissolved solids	31,000	1		µg/L	0	GE
		Total dissolved solids	36,000	1		µg/L	0	GE
		Total dissolved solids	37,000	1	Y	µg/L	0	GE
		Total dissolved solids	48,000	1		µg/L	0	WA
		Total dissolved solids	47,000	1		µg/L	0	WA
		Total organic carbon	<1,000	1		µg/L	0	GE
		Total organic carbon	<1,000	1	Y	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	15	1	Y	µg/L	0	GE
		Total organic halogens	7.2	1		µg/L	0	WA
		Total organic halogens	<5.0	1		µg/L	0	WA
		Total organic halogens	9.2	1		µg/L	0	WA
		Total phosphates (as P)	652	1	JV2	µg/L	0	GE
		Total phosphates (as P)	<50	1	V	µg/L	0	GE
		Total phosphates (as P)	<50	1	JV2	µg/L	0	GE
		Total phosphates (as P)	335	1		µg/L	0	WA
		Total phosphates (as P)	1,230	5		µg/L	0	WA
		Toxaphene	<0.24	1		µg/L	0	GE
		Toxaphene	<0.25	1	Y	µg/L	0	GE
		Toxaphene	<1.1	1.11		µg/L	0	WA
		Toxaphene	<1.1	1.11		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00045	1		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1	Y	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.53	1.06		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	Y	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	Y	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	Y	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	3.6	1	Y	µg/L	0	GE
		Trichlorofluoromethane	4.0	1	J3	µg/L	0	WA
		Trichlorofluoromethane	4.2	1	J3	µg/L	0	WA
		Vanadium, total recoverable	<8.0	1		µg/L	0	GE

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WELL HMD 3D collected on 08/08/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		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	Y	µg/L	0	GE
		Xylenes	<5.0	1		µg/L	0	WA
		Xylenes	<5.0	1		µg/L	0	WA
		Gross alpha	1.3E+00	1	J3	pCi/L	0	GP
		Gross alpha	6.8E-01	1	UI	pCi/L	0	GP
		Gross alpha	3.2E+00	1	J1	pCi/L	0	TM
		Gross alpha	5.0E-01	1	UI	pCi/L	0	TM
		Gross alpha	1.1E+00	1	J1	pCi/L	0	TM
		Nonvolatile beta	1.5E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.5E+00	1	UI	pCi/L	0	GP
		Nonvolatile beta	2.0E+00	1	J1	pCi/L	0	TM
		Nonvolatile beta	1.3E+00	1	J1	pCi/L	0	TM
		Nonvolatile beta	1.7E+00	1	J1	pCi/L	0	TM
		Tritium	1.9E+01	1		pCi/mL	1	GP
		Tritium	1.9E+01	1		pCi/mL	1	GP
		Tritium	2.0E+00	1	V	pCi/mL	0	TM
		Tritium	2.0E+00	1	V	pCi/mL	0	TM

## 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 <sub>1</sub> )
E58188.5	81.667346 °W					

## FIELD MEASUREMENTS

Sample date: 08/09/94  
Depth to water: 51.25 ft (15.62 m) below TOC  
Water elevation: 199.65 ft (60.85 m) msl  
Sp. conductance: 34 µS/cm  
Turbidity: 9.1 NTU  
Water evacuated before sampling: 5 gal  
The well went dry during purging.

Time: 10:43  
pH: 5.9  
Alkalinity: 5 mg/L  
Water temperature: 25.2 °C  
Volumes purged: 0.7 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1	JY3	pH	0	WA
		Specific conductance	27	1	Y	µS/cm	0	WA
		Turbidity	11	1	Y	NTU	0	WA
		Acetophenone	<22	2.2	Y	µg/L	0	WA
		Acetophenone	<22	2.2	Y	µg/L	0	WA
		Aluminum, total recoverable	248	1	Y	µg/L	2	WA
		Antimony, total recoverable	<3.0	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Barium, total recoverable	20	1	Y	µg/L	0	WA
		Benzene	<5.0	1	Y	µg/L	0	WA
		Bromodichloromethane	<5.0	1	Y	µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL HMD 4D collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromoform	<5.0	1	Y	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Calcium, total recoverable	834	1	VY	µg/L	0	WA
		Carbon tetrachloride	<5.0	1	Y	µg/L	0	WA
		Chloride	3,160	1	Y	µg/L	0	WA
		Chlorobenzene	<5.0	1	Y	µg/L	0	WA
		Chloroethane	<10	1	Y	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1	Y	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1	Y	µg/L	0	WA
		Chloroform	<5.0	1	Y	µg/L	0	WA
		Chloromethane (Methyl chloride)	4.5	1	JY3	µg/L	0	WA
		Chromium, total recoverable	<4.0	1	Y	µg/L	0	WA
		Copper, total recoverable	16	1	Y	µg/L	0	WA
		Cyanide	<5.0	1	Y	µg/L	0	WA
		Dibromochloromethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,2-Dichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	1	Y	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	1	VY	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.06	Y	µg/L	0	WA
		1,2-Dichloropropane	<5.0	1	Y	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Endrin	<0.11	1.09	Y	µg/L	0	WA
		Ethylbenzene	<5.0	1	Y	µg/L	0	WA
		Fluoride	<100	1	Y	µg/L	0	WA
		Iron, total recoverable	313	1	Y	µg/L	2	WA
		Lead, total recoverable	24	1	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Lindane	<0.055	1.09	Y	µg/L	0	WA
		Magnesium, total recoverable	345	1	Y	µg/L	0	WA
		Manganese, total recoverable	19	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Methoxychlor	<0.55	1.09	Y	µg/L	0	WA
		Naphthalene	<10	1		µg/L	0	GE
		Nickel, total recoverable	<4.0	1	Y	µg/L	0	WA
		Nitrate as nitrogen	585	1	Y	µg/L	0	WA
		Phenols	<5.0	1	Y	µg/L	0	WA
		Potassium, total recoverable	1,750	1	Y	µg/L	0	WA
		Selenium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Silica, total recoverable	4,690	2.1	Y	µg/L	0	WA
		Silver, total recoverable	3.4	1	Y	µg/L	0	WA
		Sodium, total recoverable	1,320	1	VY	µg/L	0	WA
		Sulfate	<1,000	1	Y	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<5.0	1	Y	µg/L	0	WA
		Tin, total recoverable	<17	1	Y	µg/L	0	WA
		Toluene	<5.0	1	Y	µg/L	0	WA
		Total dissolved solids	28,000	1	VY	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	6.8	1	Y	µg/L	0	WA
		Total phosphates (as P)	2,310	5	Y	µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final PDWS.

WELL HMD 4D collected on 08/09/94, laboratory analyses (cont.)

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		Toxaphene	<1.1	1.09	Y	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53	1.06	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1	Y	µg/L	0	WA
		Trichloroethylene	<5.0	1	Y	µg/L	0	WA
		Trichlorofluoromethane	<5.0	1	Y	µg/L	0	WA
		Vanadium, total recoverable	<3.0	1	Y	µg/L	0	WA
		Xylenes	<5.0	1	Y	µg/L	0	WA
		Gross alpha	2.9E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	4.0E+00	1		pCi/L	0	GP
		Tritium	8.1E+00	1		pCi/mL	0	GP

## WELL HSB 85A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73791.9	33.285152 °N	71.1-61.1 ft msl	294.4 ft msl	4" PVC	S	U. Congaree (IIA)
E58943.4	81.654930 °W					

## FIELD MEASUREMENTS

Sample date: 07/05/94  
Depth to water: 126.14 ft (38.45 m) below TOC  
Water elevation: 168.26 ft (51.29 m) msl  
Sp. conductance: 197 µS/cm  
Turbidity: 0.1 NTU  
Water evacuated before sampling: 201 gal

Time: 12:02  
pH: 7.0  
Alkalinity: 58 mg/L  
Water temperature: 20.5 °C

Volumes purged: 2.9 well volumes

## LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.4	1	JY3	pH	0	WA
		Specific conductance	176	1	Y	µS/cm	0	WA
		Aluminum, total recoverable	<20	1	Y	µg/L	0	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<1.0	1	Y	µg/L	0	WA
		Chloroform	<1.0	1	Y	µg/L	0	WA
		Iron, total recoverable	6.7	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Nitrate as nitrogen	<20	1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<1.0	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	1	Y	µg/L	0	WA
		Trichloroethylene	<1.0	1	Y	µg/L	0	WA
		Gross alpha	5.8E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1	UI	pCi/L	0	GP
		Tritium	2.5E-01	1	UI	pCi/mL	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>1</sub> )

### FIELD MEASUREMENTS

Sample date: 07/06/94  
Depth to water: 61.85 ft (18.85 m) below TOC  
Water elevation: 232.65 ft (70.91 m) msl  
Sp. conductance: 221 µS/cm  
Turbidity: 1.0 NTU  
Water evacuated before sampling: 51 gal  
The well went dry during purging.

Time: 8:25  
pH: 8.3  
Alkalinity: 76 mg/L  
Water temperature: 20.5 °C  
Volumes purged: 0.8 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.4	1	JY3	pH	0	WA
		Specific conductance	205	1	Y	µS/cm	0	WA
		Aluminum, total recoverable	26	1	Y	µg/L	1	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<1.0	1	Y	µg/L	0	WA
		Chloroform	<1.0	1	Y	µg/L	0	WA
		Iron, total recoverable	<41	1	JVY3	µg/L	0	WA
		Lead, total recoverable	8.7	1	Y	µg/L	0	WA
		Manganese, total recoverable	<2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Nitrate as nitrogen	25	1	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<1.0	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	1	Y	µg/L	0	WA
		Trichloroethylene	<1.0	1	Y	µg/L	0	WA
		Gross alpha	9.4E-01	1	UI	pCi/L	0	GP
		Nonvolatile beta	7.8E-01	1	UI	pCi/L	0	GP
		Tritium	7.1E-02	1	UI	pCi/mL	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.

## 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 <sub>2</sub> )

### FIELD MEASUREMENTS

Sample date: 07/05/94  
Depth to water: 56.01 ft (17.07 m) below TOC  
Water elevation: 238.09 ft (72.57 m) msl  
Sp. conductance: 39 µS/cm  
Turbidity: 0.2 NTU  
Water evacuated before sampling: 117 gal

Time: 11:40  
pH: 4.5  
Alkalinity: 0 mg/L  
Water temperature: 21.0 °C

Volumes purged: 7.5 well volumes

### LABORATORY ANALYSES

H	ST	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1	JY3	pH	0	WA
•		pH	6.2	1	JY3	pH	0	WA
		Specific conductance	32	1	Y	µS/cm	0	WA
		Aluminum, total recoverable	44	1	Y	µg/L	1	WA
		Arsenic, total recoverable	<2.0	1	Y	µg/L	0	WA
		Cadmium, total recoverable	<2.0	1	Y	µg/L	0	WA
		Carbon tetrachloride	<1.0	1	Y	µg/L	0	WA
		Chloroform	<1.0	1	Y	µg/L	0	WA
		Iron, total recoverable	50	1	Y	µg/L	0	WA
		Lead, total recoverable	<3.0	1	Y	µg/L	0	WA
		Manganese, total recoverable	2.0	1	Y	µg/L	0	WA
		Mercury, total recoverable	<0.20	1	Y	µg/L	0	WA
		Nitrate as nitrogen	1,910	10	Y	µg/L	0	WA
		Nitrate as nitrogen	1,990	10	Y	µg/L	0	WA
		Silver, total recoverable	<2.0	1	Y	µg/L	0	WA
		Tetrachloroethylene	<1.0	1	Y	µg/L	0	WA
		Total organic carbon	<1,000	1	Y	µg/L	0	WA
		Total organic halogens	<5.0	1	Y	µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	1	Y	µg/L	0	WA
		Trichloroethylene	<1.0	1	Y	µg/L	0	WA
		Gross alpha	2.8E+00	1	J3	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1	J3	pCi/L	0	GP
		Tritium	6.8E+00	1		pCi/mL	0	GP

• = exceeded holding time. ■ = exceeded screening level or final PDWS.



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# **Appendix E**

## **Data Quality/Usability Assessment**

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## **Data Quality/Usability 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 usability 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 usability. 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 those results tables of the quarterly reports which report only one quarter of data, usually during first, second, and third quarters. Duplicate and replicate results are not presented in results tables that report more than one quarter of data, generally provided in fourth quarter reports. In this case, the results tables instead present only the highest result for each analyte for each quarter of the year.

The laboratories assess precision by calculating the relative percent difference (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 percent.

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 mean relative difference (MRD) which is similar to EPA's RPD except that the MRD is the average of all the RPD values from one laboratory for each compound (intralaboratory MRD) or all the RPD values from all laboratories for each compound (interlaboratory MRD), 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 usability. 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
EPA8010	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

<u>Method</u>	<u>Used to Analyze</u>	<u>Source</u>
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 (<math>\mu\text{g/L}</math>)</u>	<u>Mean reported value (<math>\mu\text{g/L}</math>)</u>	<u>Mean percent RSD<sup>a</sup></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

<sup>a</sup> 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, <math>\bar{X}</math><sup>a</sup> (<math>\mu\text{g/L}</math>)</u>	<u>Single analyst precision (<math>\mu\text{g/L}</math>)<sup>b</sup></u>	<u>Overall precision (<math>\mu\text{g/L}</math>)<sup>c</sup></u>
Bromodichloromethane	1.12C-1.02 <sup>d</sup>	0.11 $\bar{X}$ +0.04 <sup>e</sup>	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 <sup>f</sup>	1.00C	0.20 $\bar{X}$	0.35 $\bar{X}$

Parameter	Accuracy as recovery, $X'$ ( $\mu\text{g/L}$ )	Single analyst precision ( $\mu\text{g/L}$ )	Overall precision ( $\mu\text{g/L}$ )
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	$0.93C-0.09$	$0.15\bar{X}+0.29$	$0.20\bar{X}+0.41$
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 <sup>f</sup>	$1.00C$	$0.13\bar{X}$	$0.23\bar{X}$
cis-1,3-Dichloropropene <sup>f</sup>	$1.00C$	$0.18\bar{X}$	$0.32\bar{X}$
trans-1,3-Dichloropropene <sup>f</sup>	$1.00C$	$0.18\bar{X}$	$0.32\bar{X}$
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	$0.97C-0.36$	$0.13\bar{X}+0.65$	$0.27\bar{X}+0.40$

<sup>a</sup>  $X'$  = expected recovery for one or more measurements of a sample containing a concentration of  $C$ , in  $\mu\text{g/L}$ .

<sup>b</sup> Expected single analyst standard deviation of measurements.

<sup>c</sup> Expected interlaboratory standard deviation of measurements.

<sup>d</sup>  $C$  = true value for the concentration, in  $\mu\text{g/L}$ .

<sup>e</sup>  $\bar{X}$  = average recovery found for measurements of samples containing a concentration of  $C$ , in  $\mu\text{g/L}$ .

<sup>f</sup> 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.

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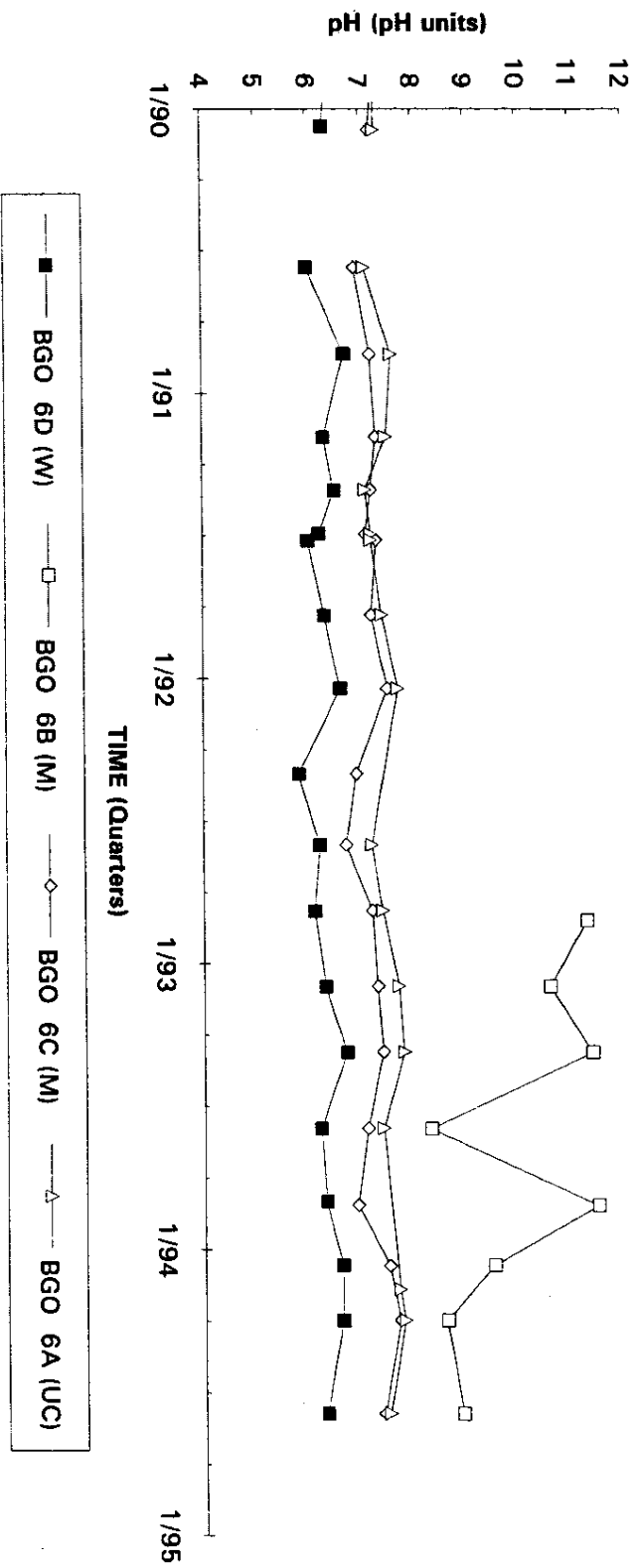
## **Appendix F**

### **Time Series Plots**

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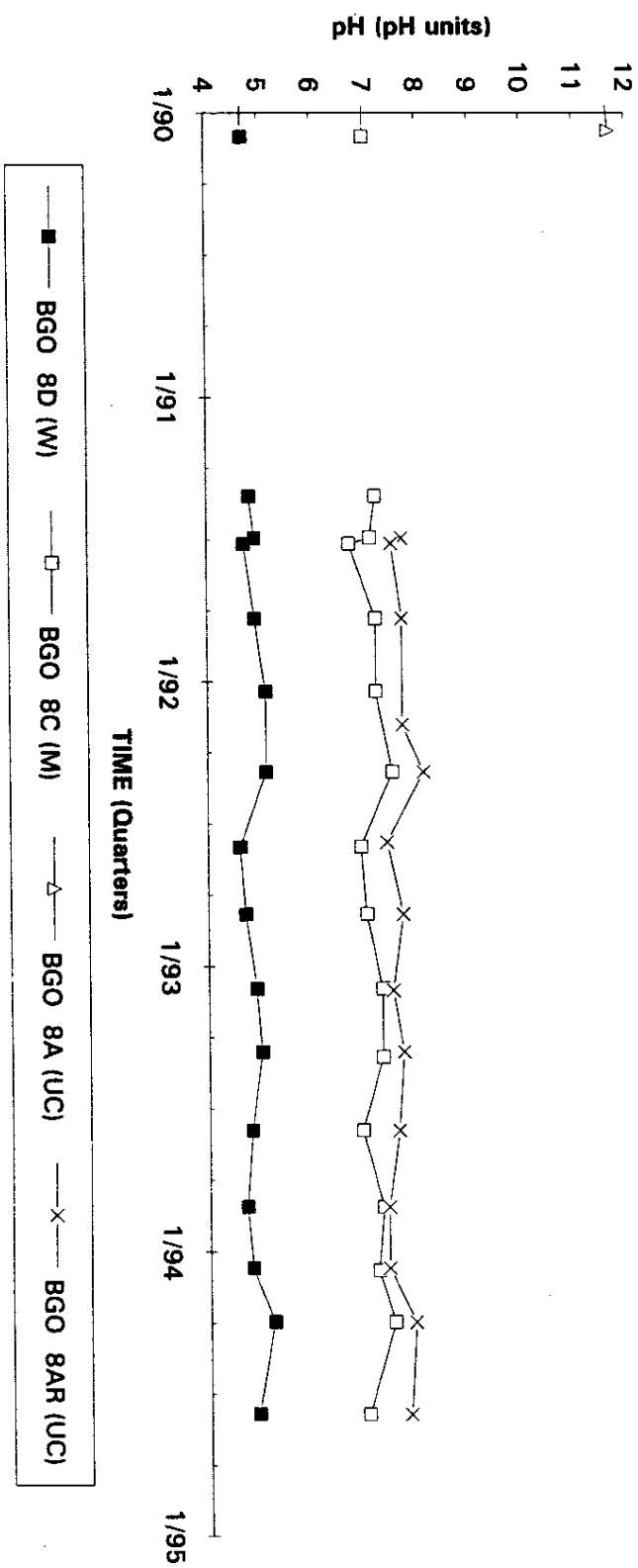
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## pH Well Cluster BGO 6



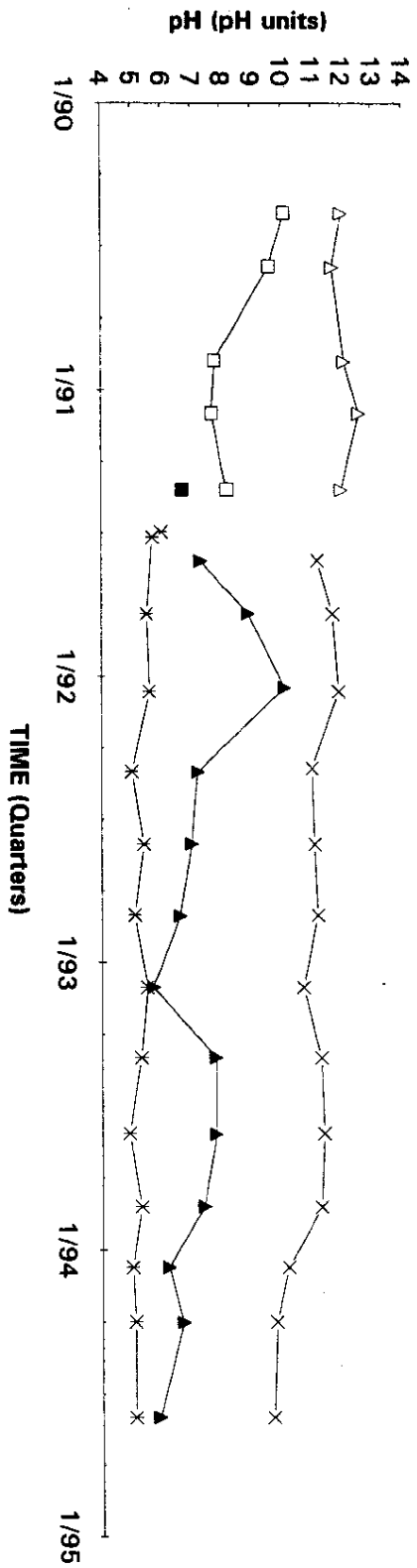
Note: W=Water Table (IIB2); M=McBean (IIB1); B=Barnwell (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## pH Well Cluster BGO 8



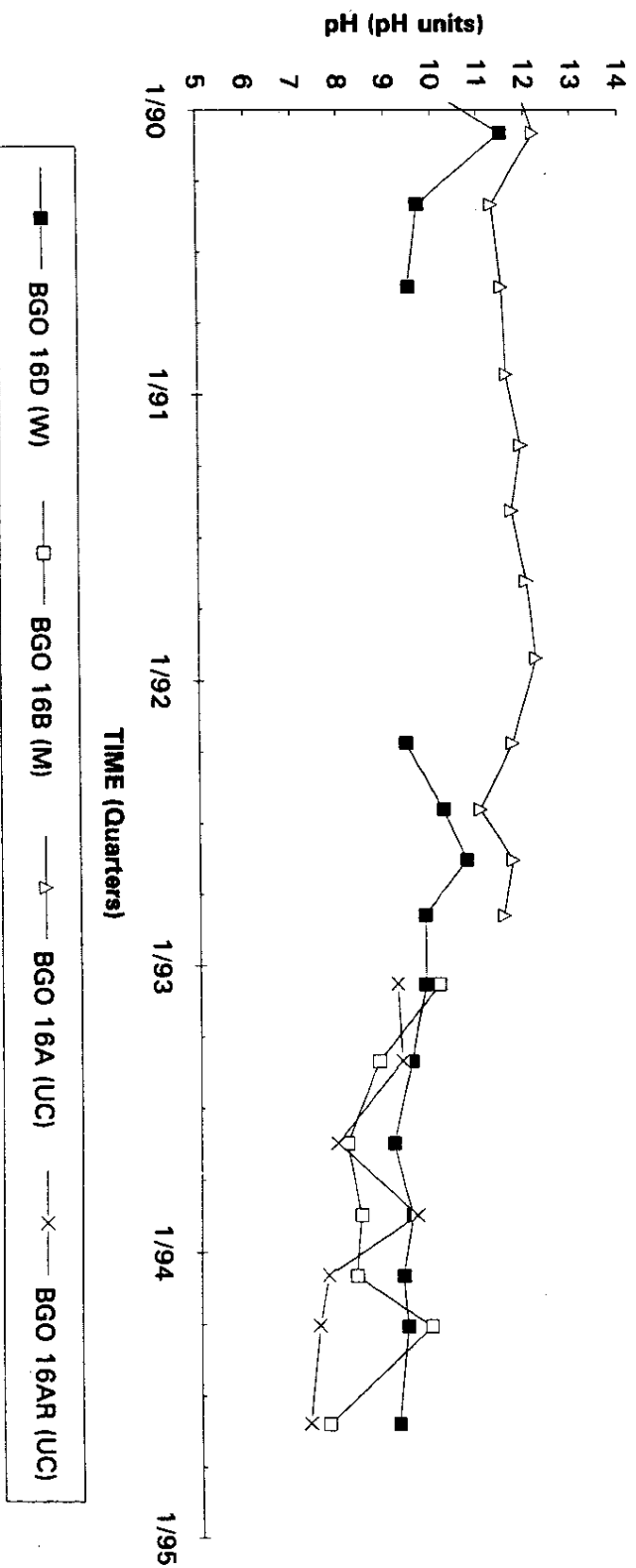
Note: W=Water Table (IB2); M=McBean (IB1); B=Barnwell (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# pH Well Cluster BGO 14



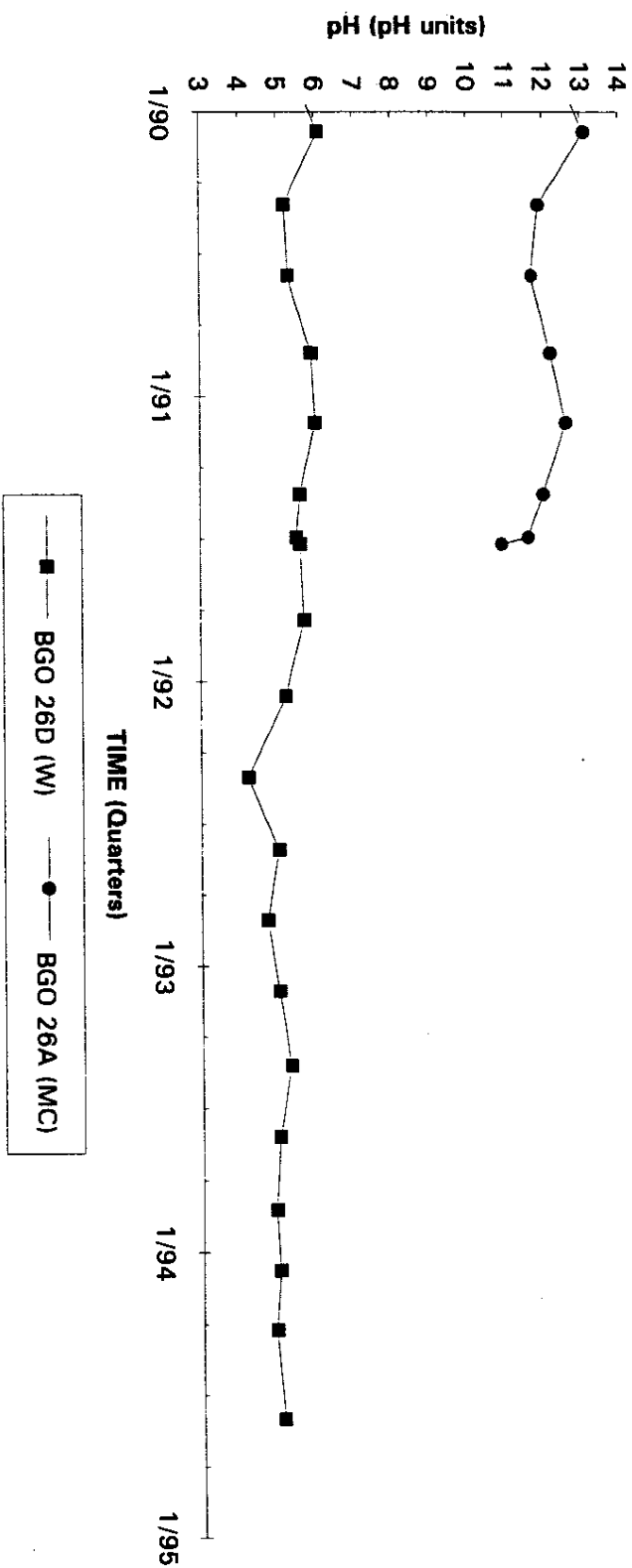
Note: W=Water Table (IIB2); M=McBean (IIB1); B=Barnwell (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## pH Well Cluster BGO 16



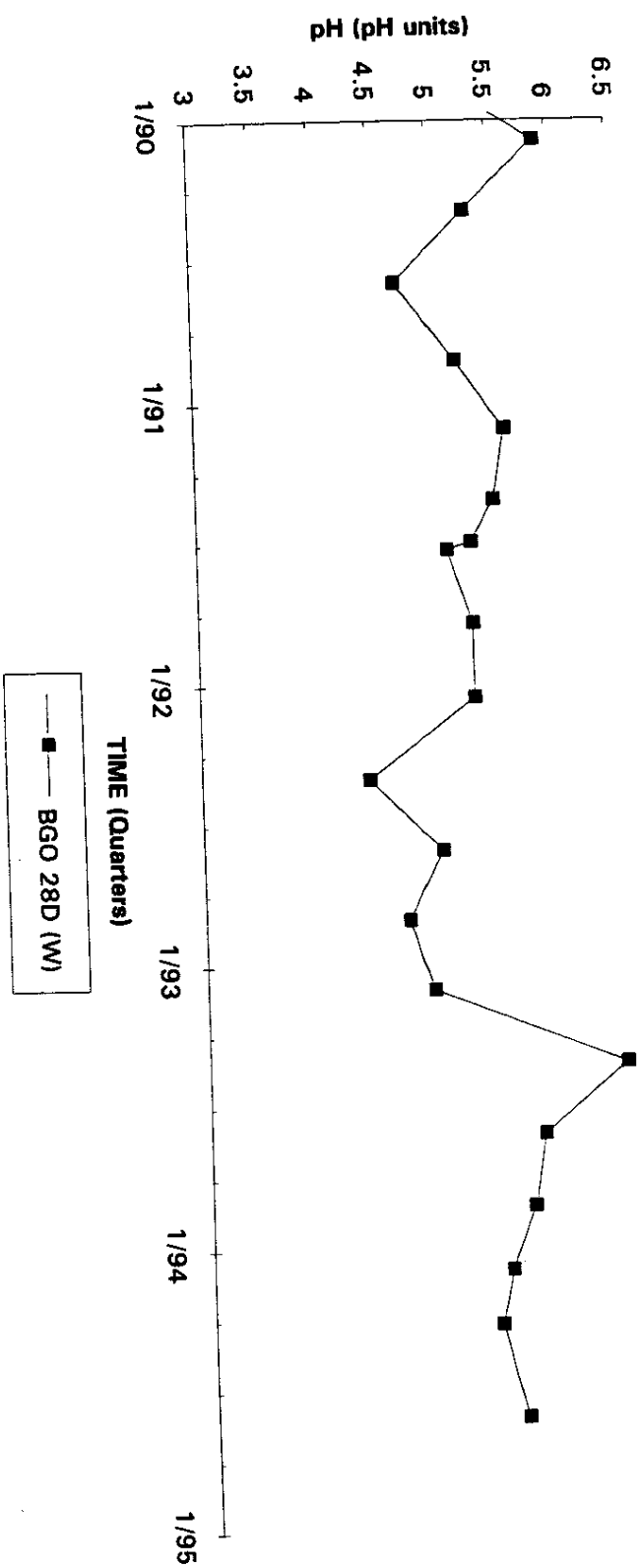
Note: W=Water Table (IIB2); M=McBean (IIB1); B=Barnwell (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## pH Well Cluster BGO 26



Note: W=Water Table (IB2); M=McBean (IB1); B=Barnwell (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

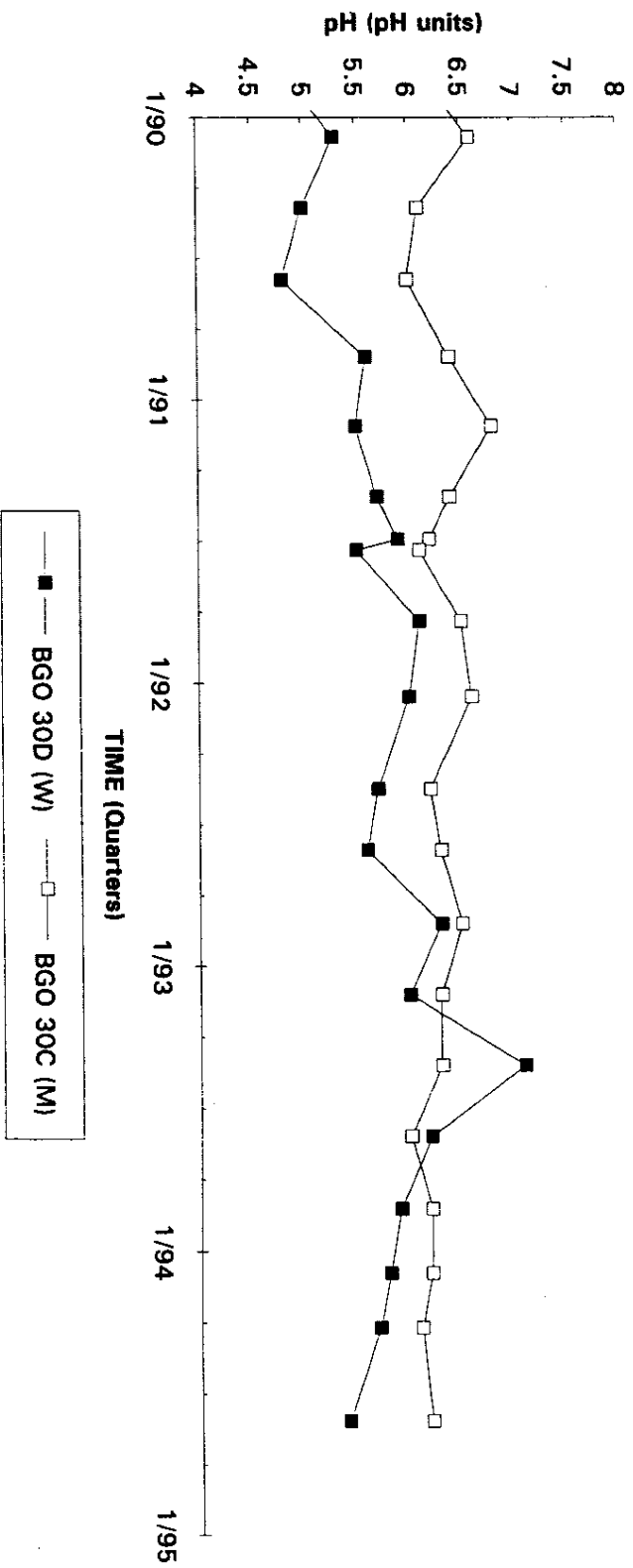
## pH Well BGO 28D



Note: W=Water Table (11B2); M=McBean (11B1); B=Barnwell (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

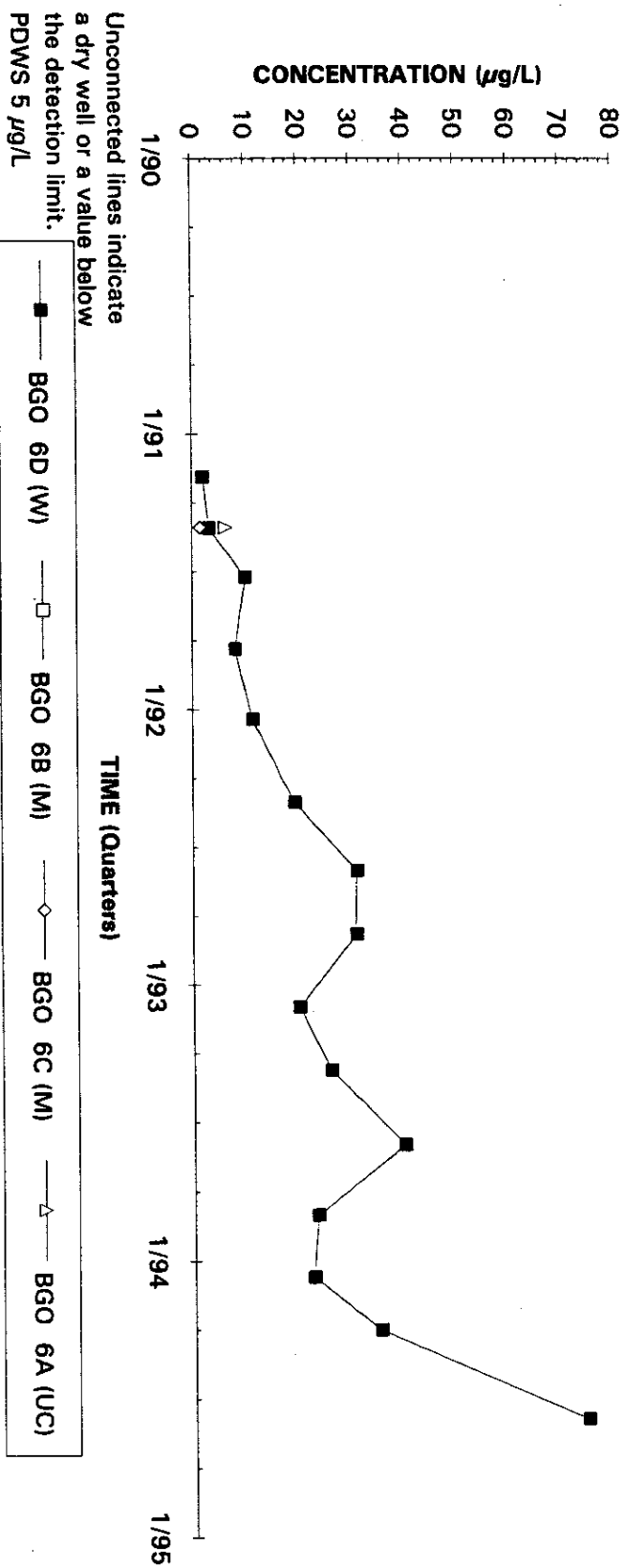


# pH Well Cluster BGO 30



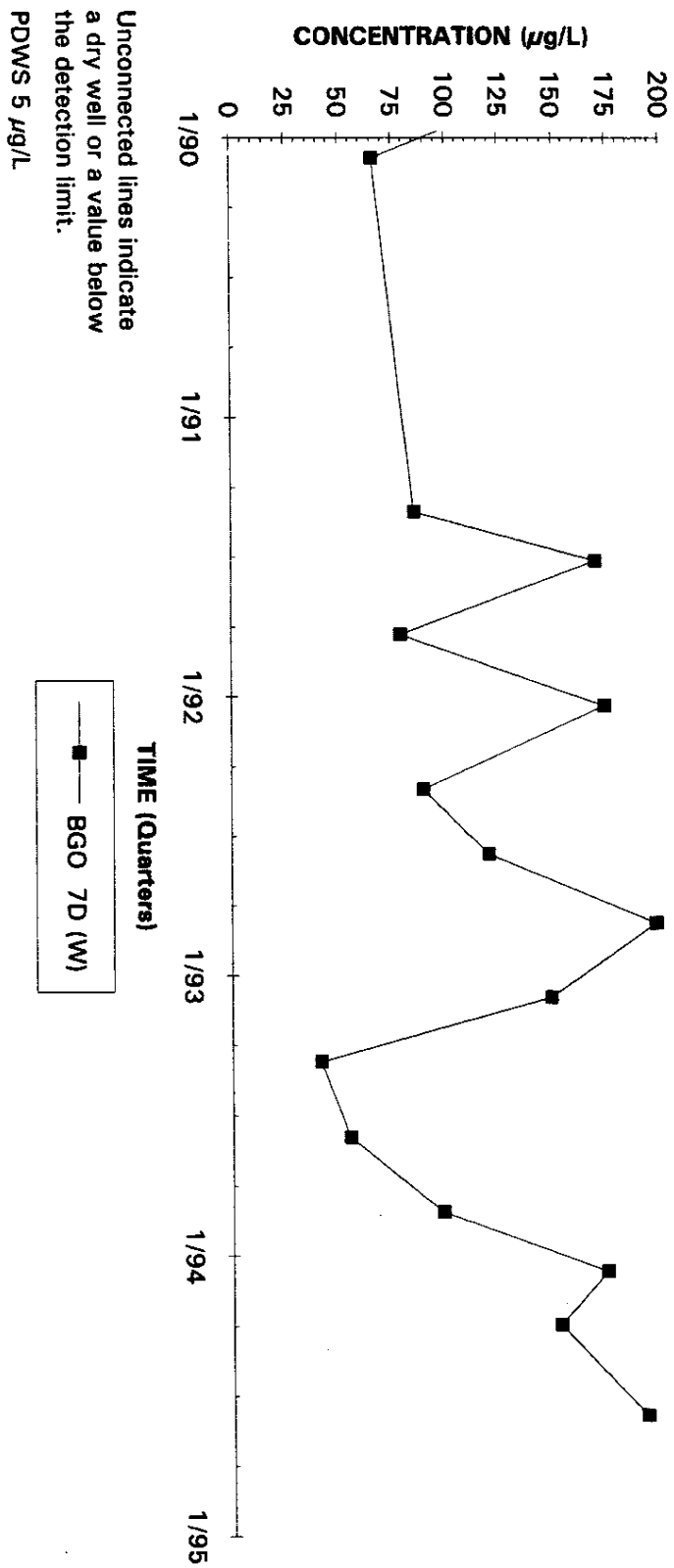
Note: W=Water Table (IIB2); M=McBean (IIB1); B=Barnwell (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well Cluster BGO 6



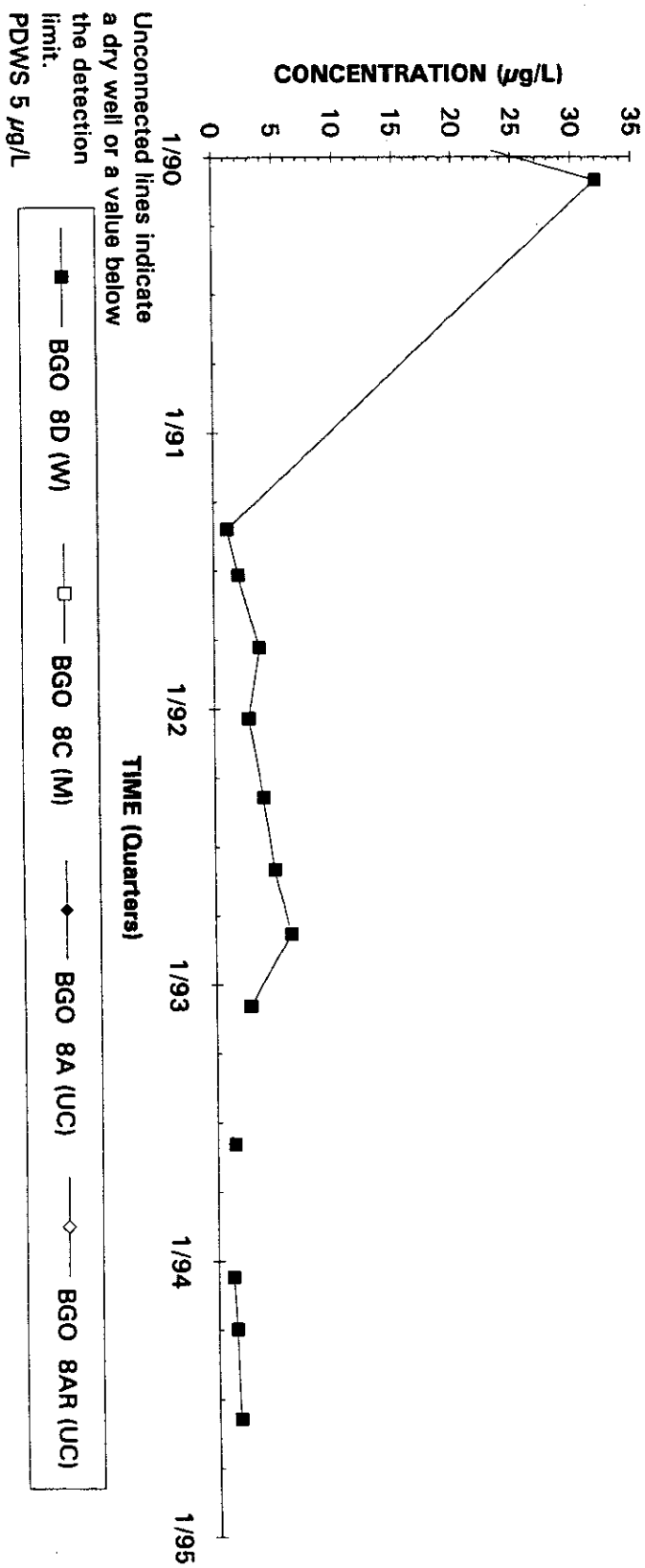
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well BGO 7D



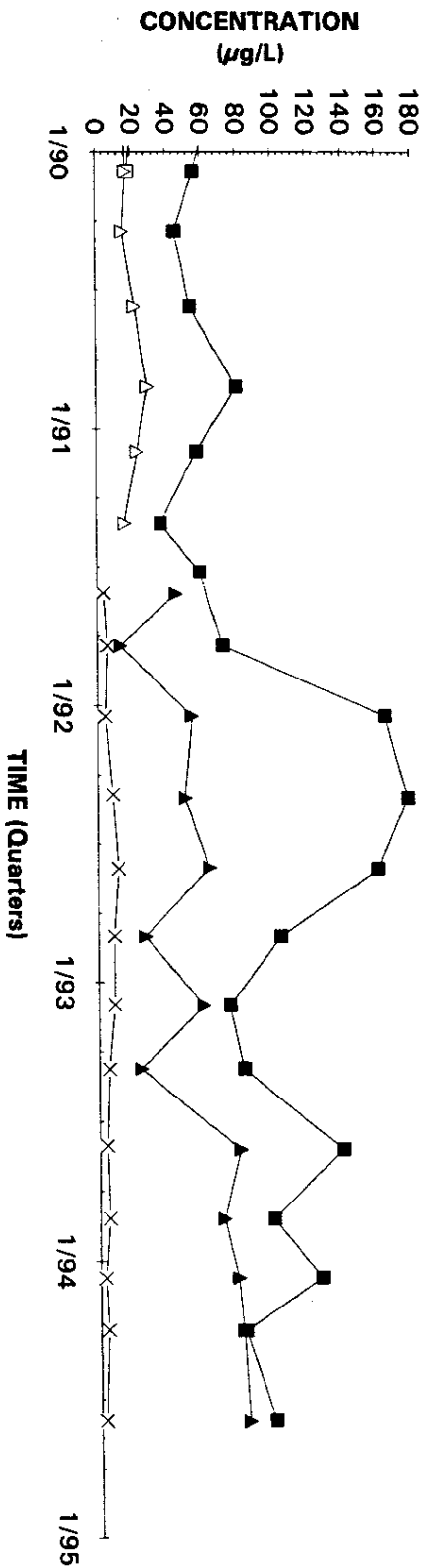
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well Cluster BGO 8

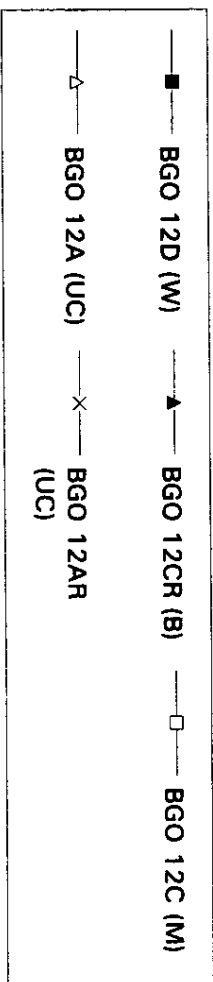


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well Cluster BGO 12

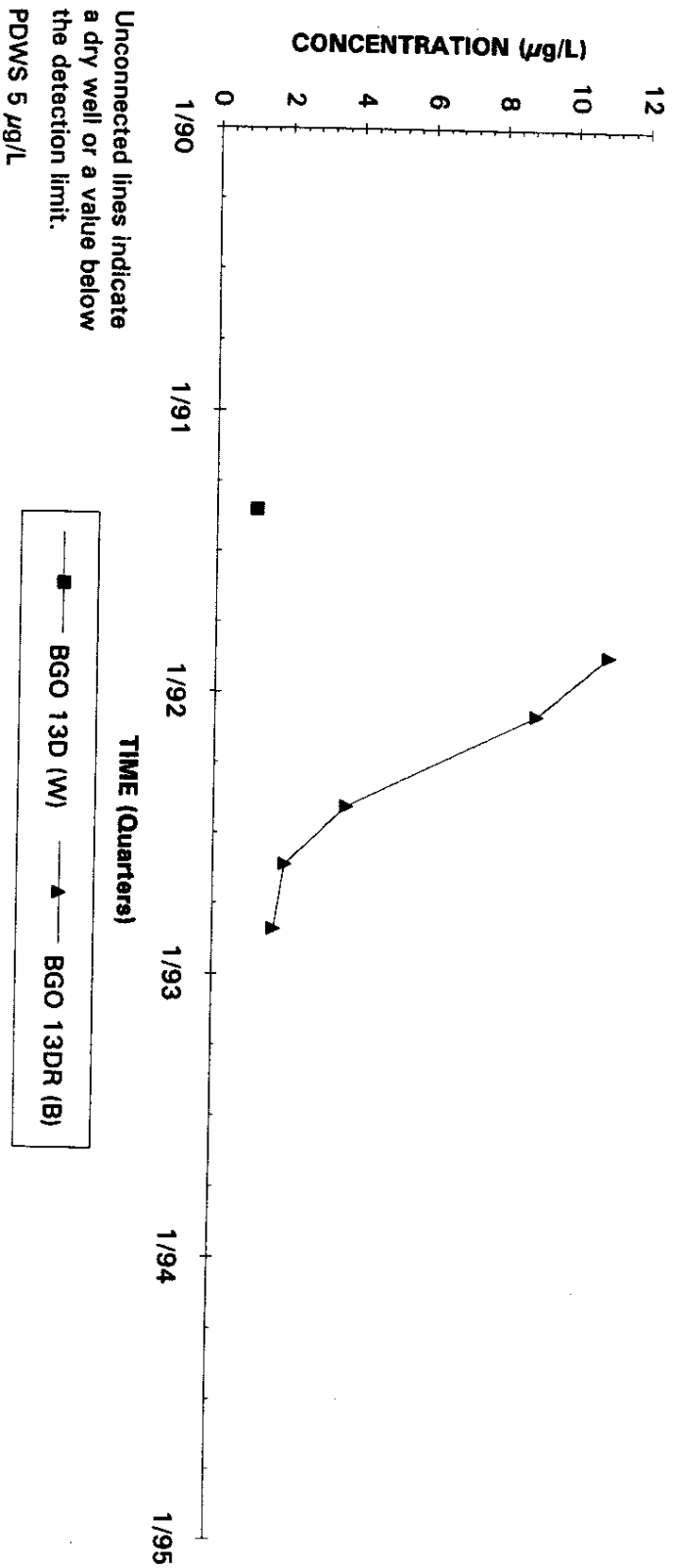


Unconnected lines indicate  
a dry well or a value below  
the detection limit.  
PDWS 5 µg/L



Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

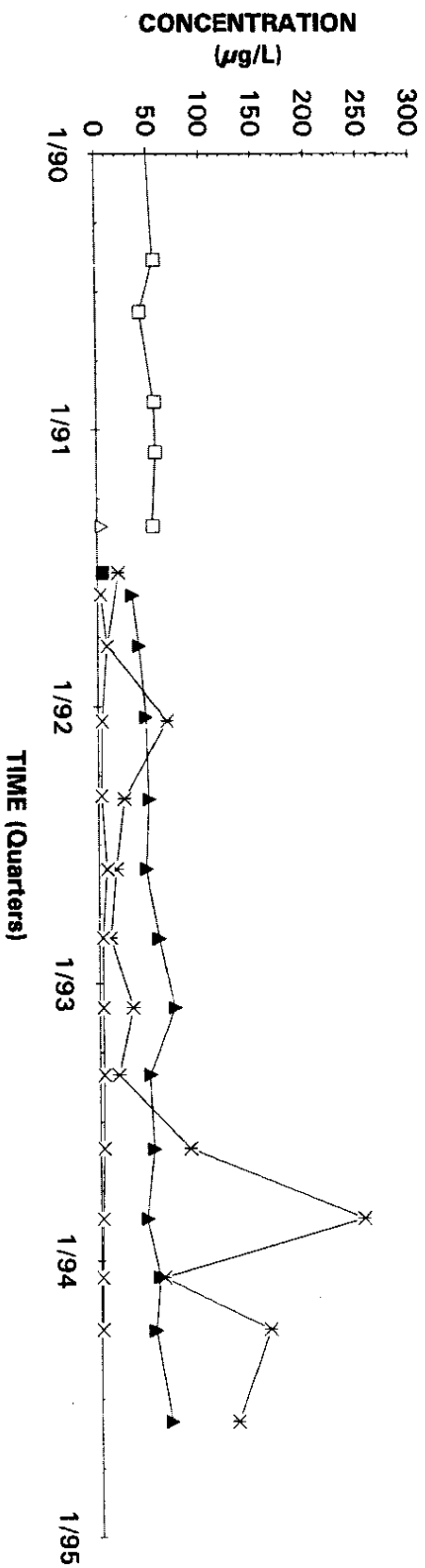
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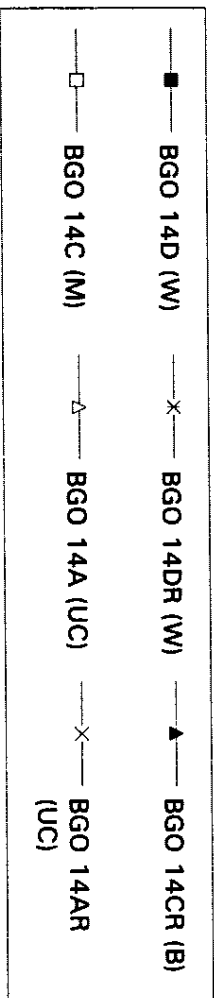
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWA

## Trichloroethylene Concentrations Well Cluster BGO 14

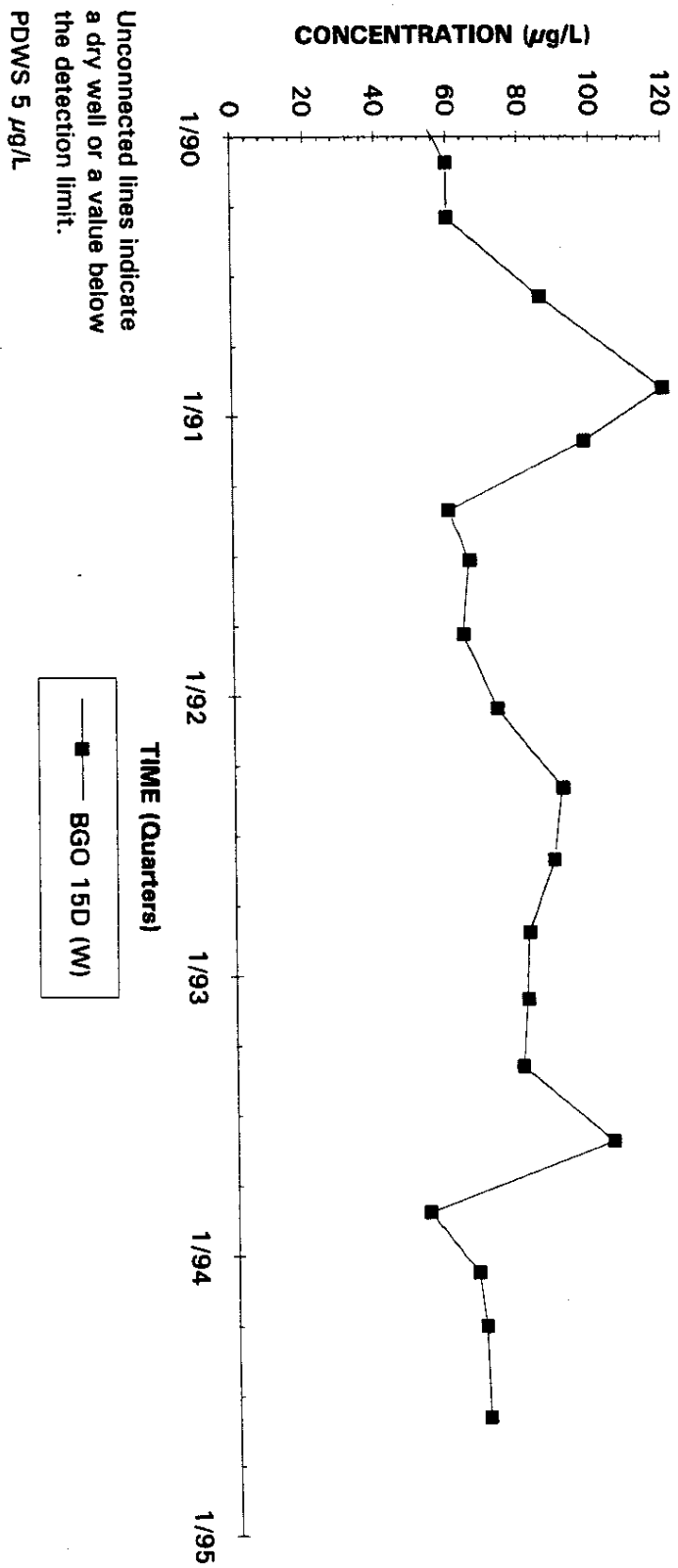


Unconnected lines indicate  
a dry well or a value below  
the detection limit.  
PDWS 5 µg/L



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

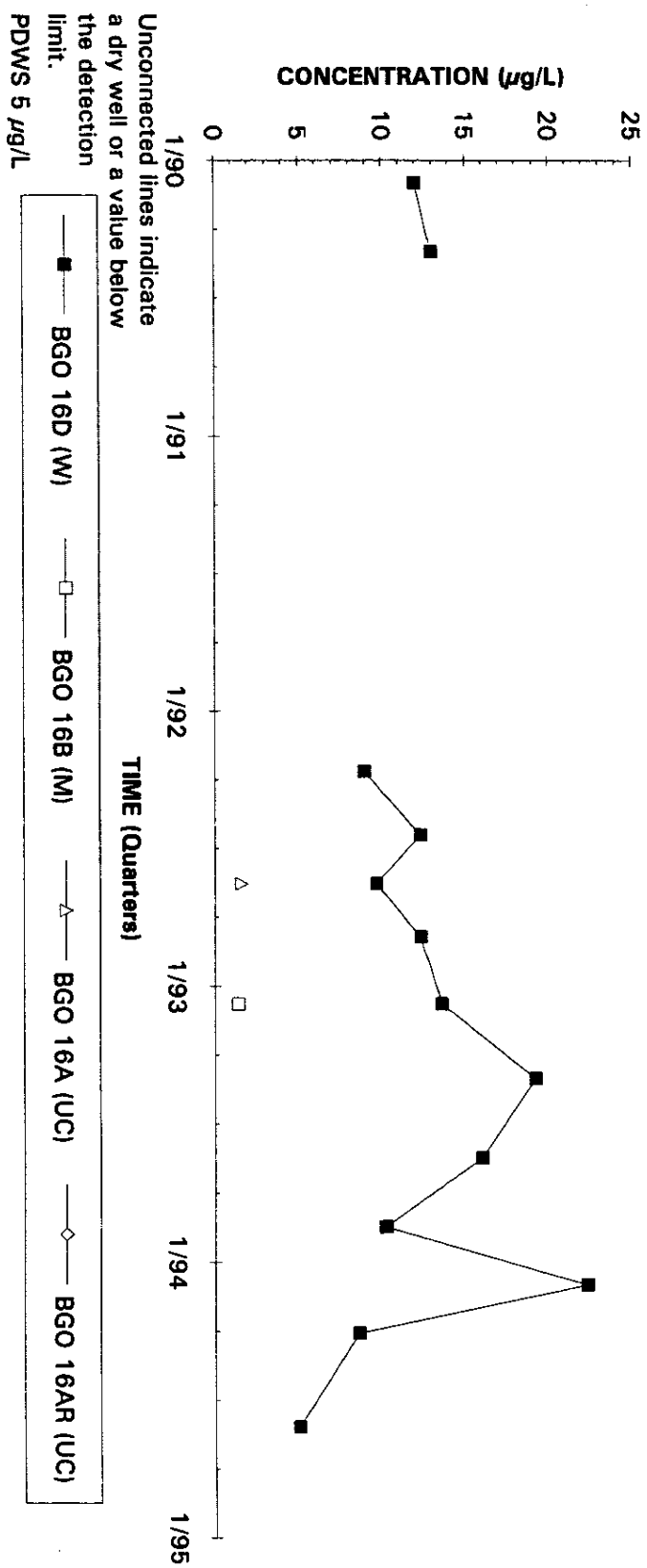
## Trichloroethylene Concentrations Well BGO 15D



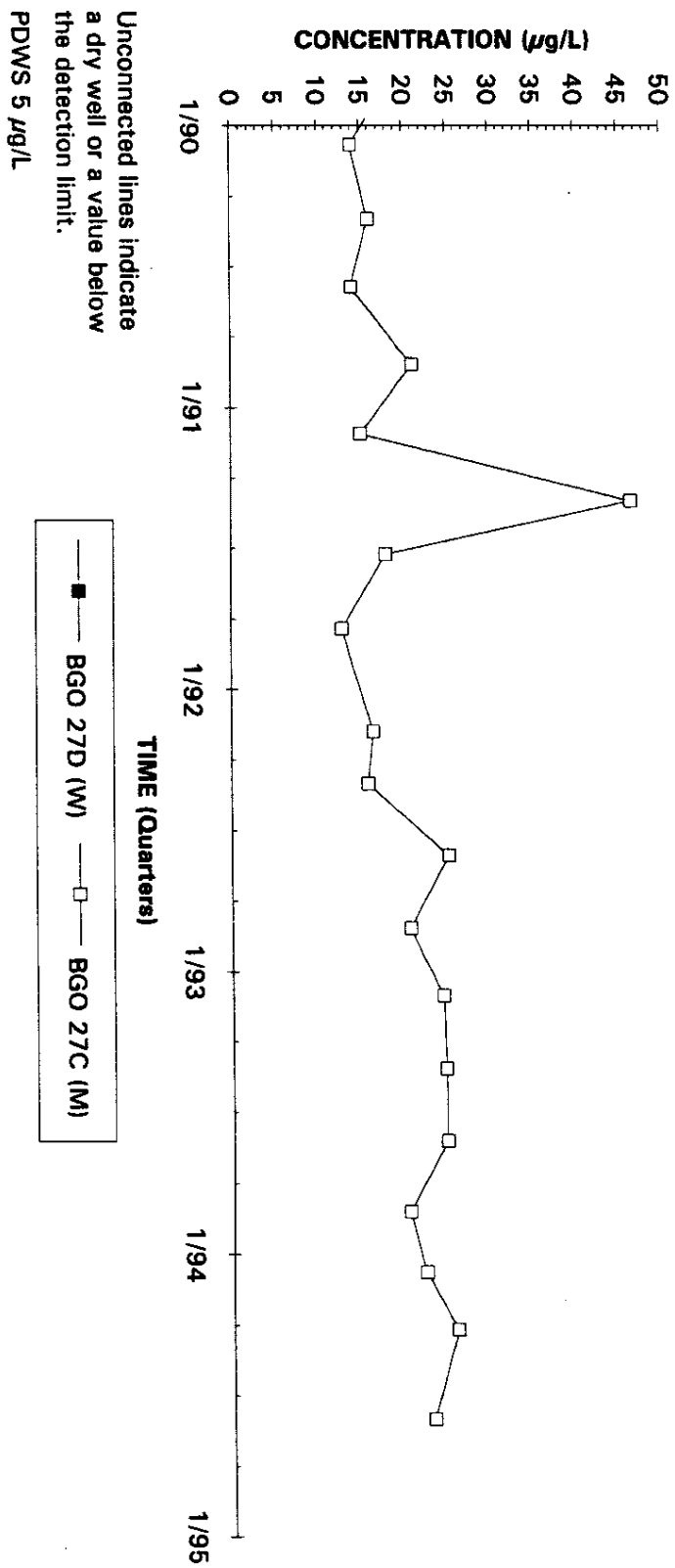
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)



## Trichloroethylene Concentrations Well Cluster BGO 16

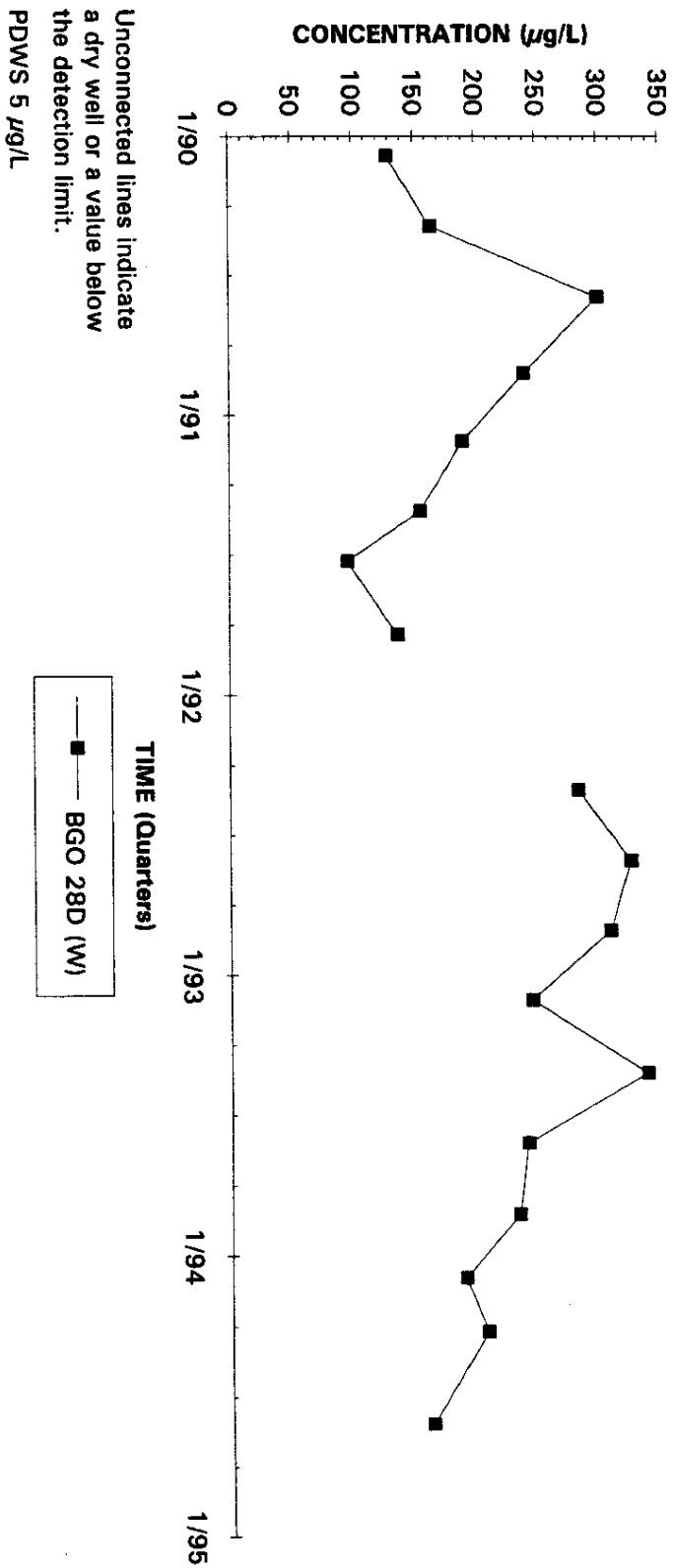


## Trichloroethylene Concentrations Well Cluster BGO 27



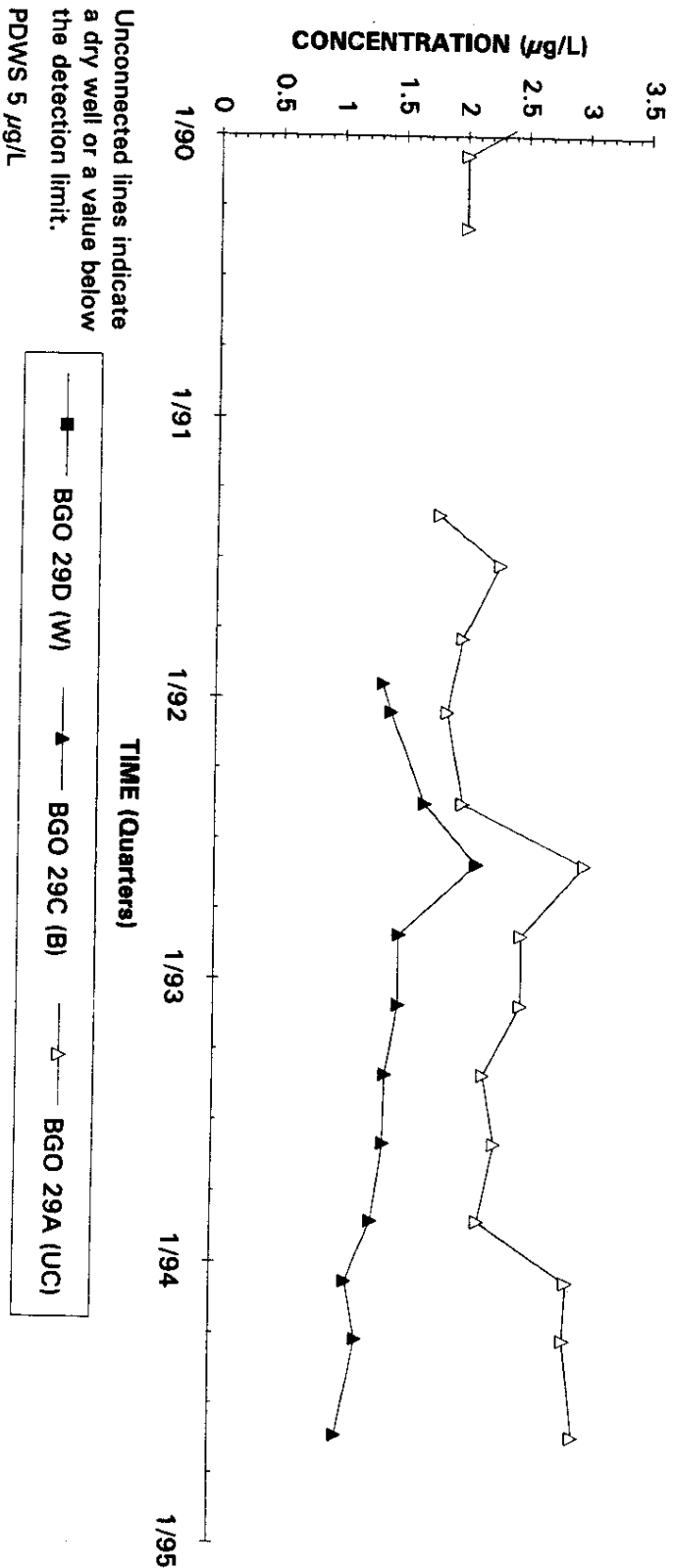
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well BGO 28D



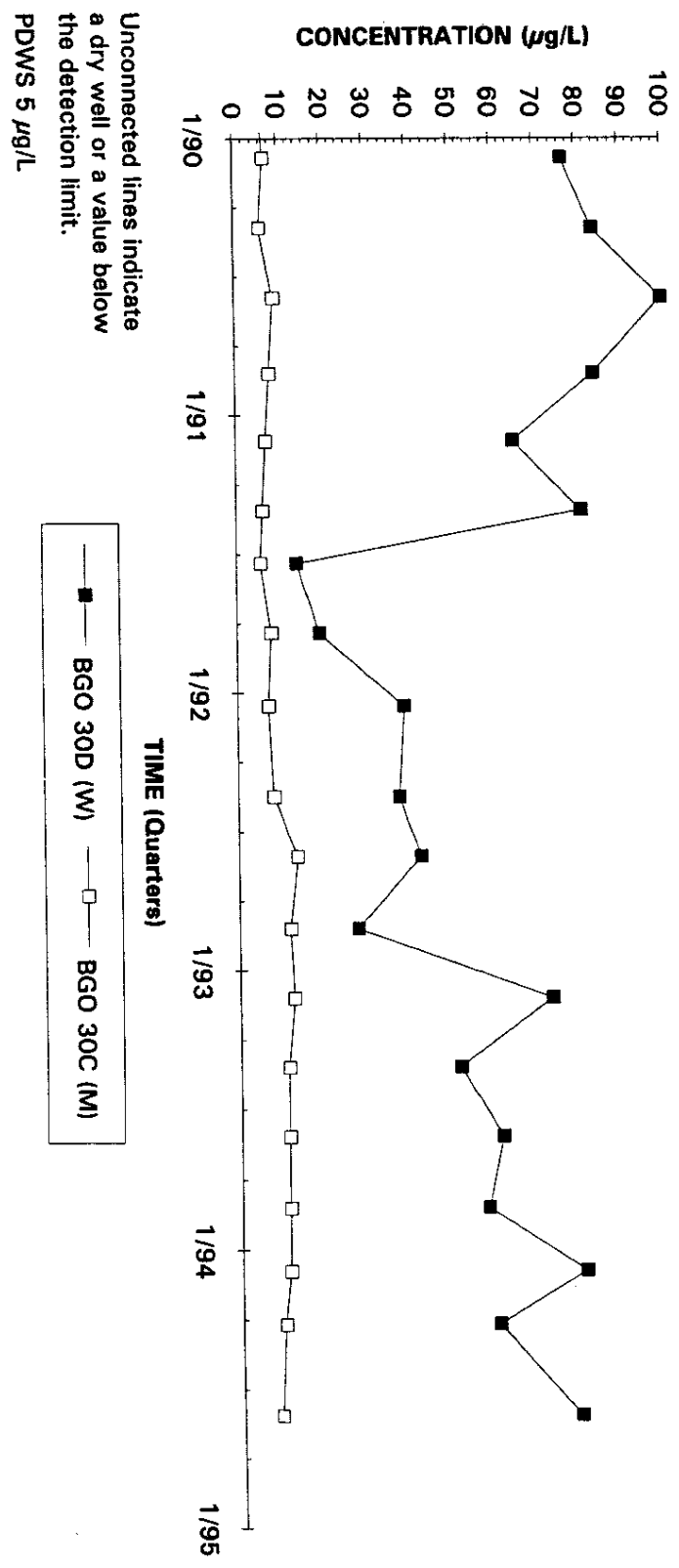
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well Cluster BGO 29



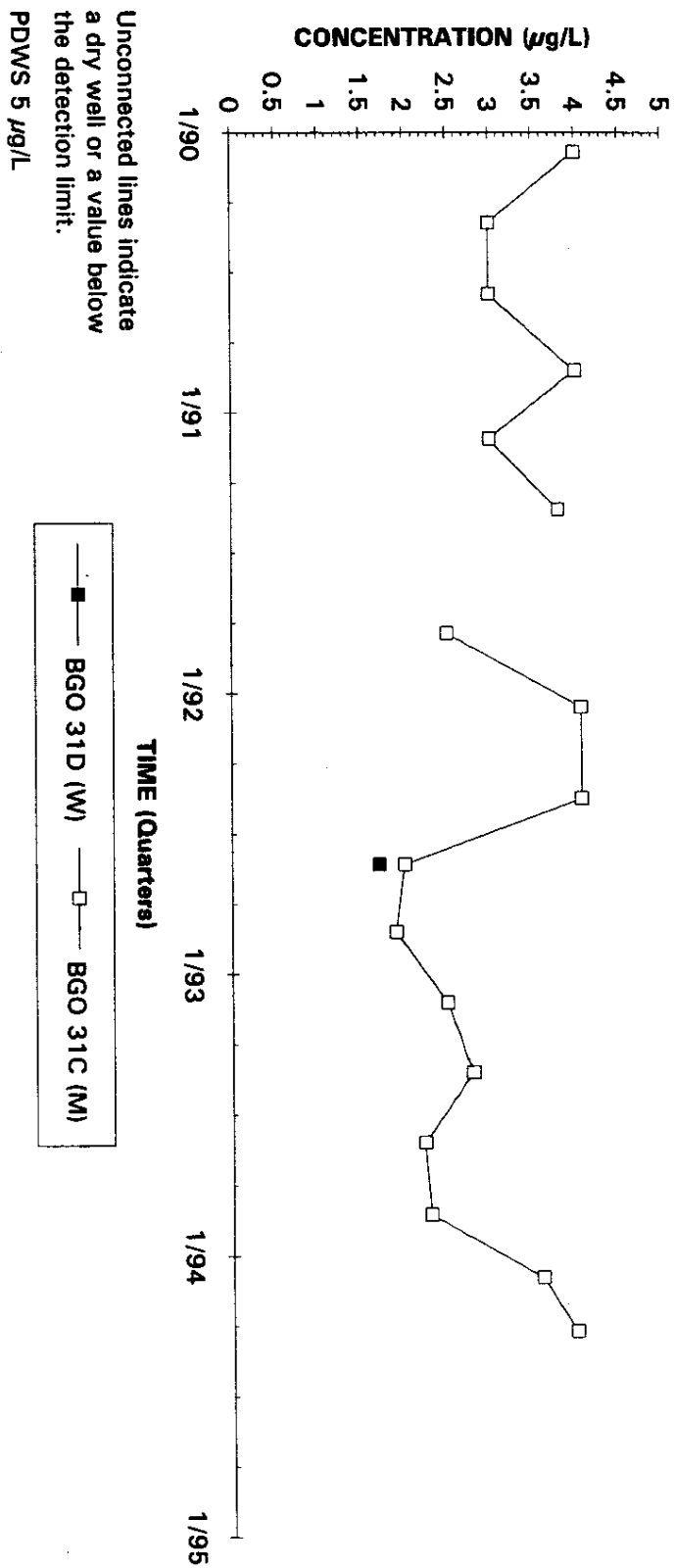
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Trichloroethylene Concentrations Well Cluster BGO 30



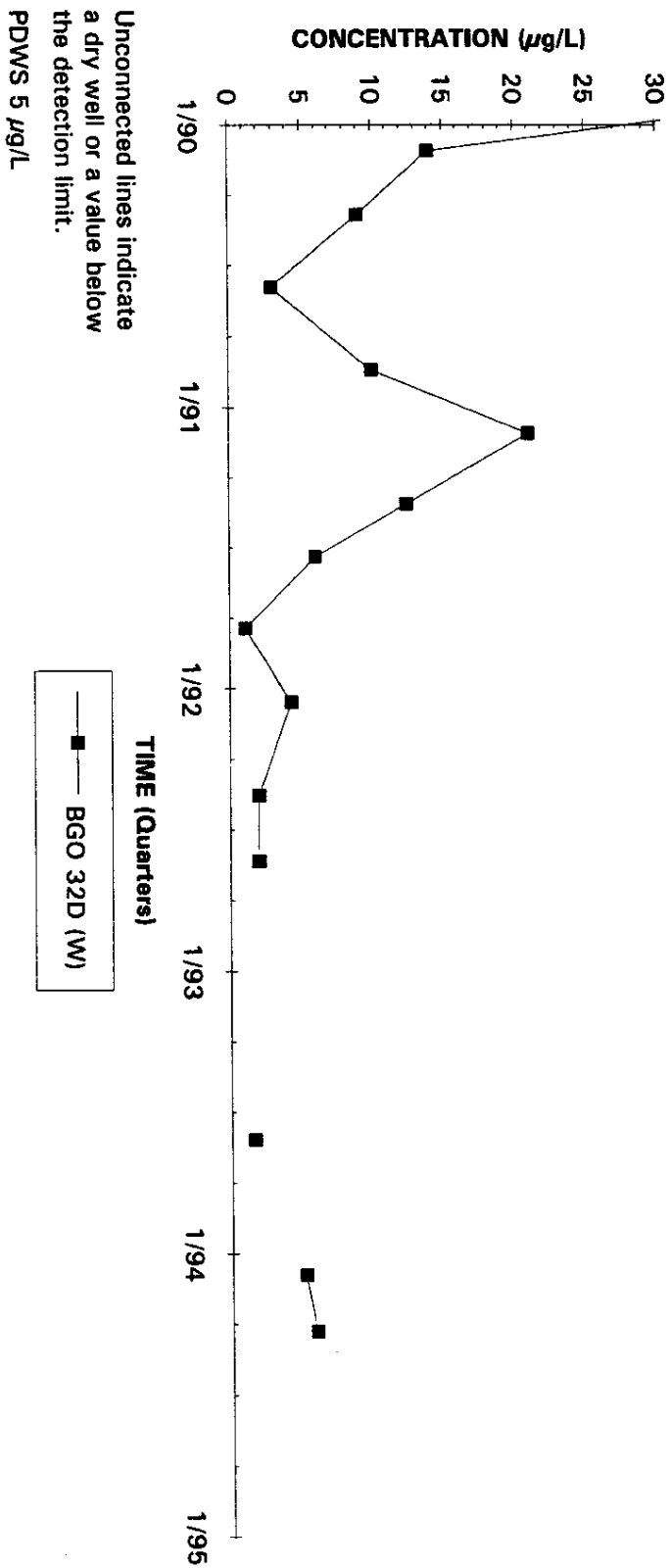
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well Cluster BGO 31



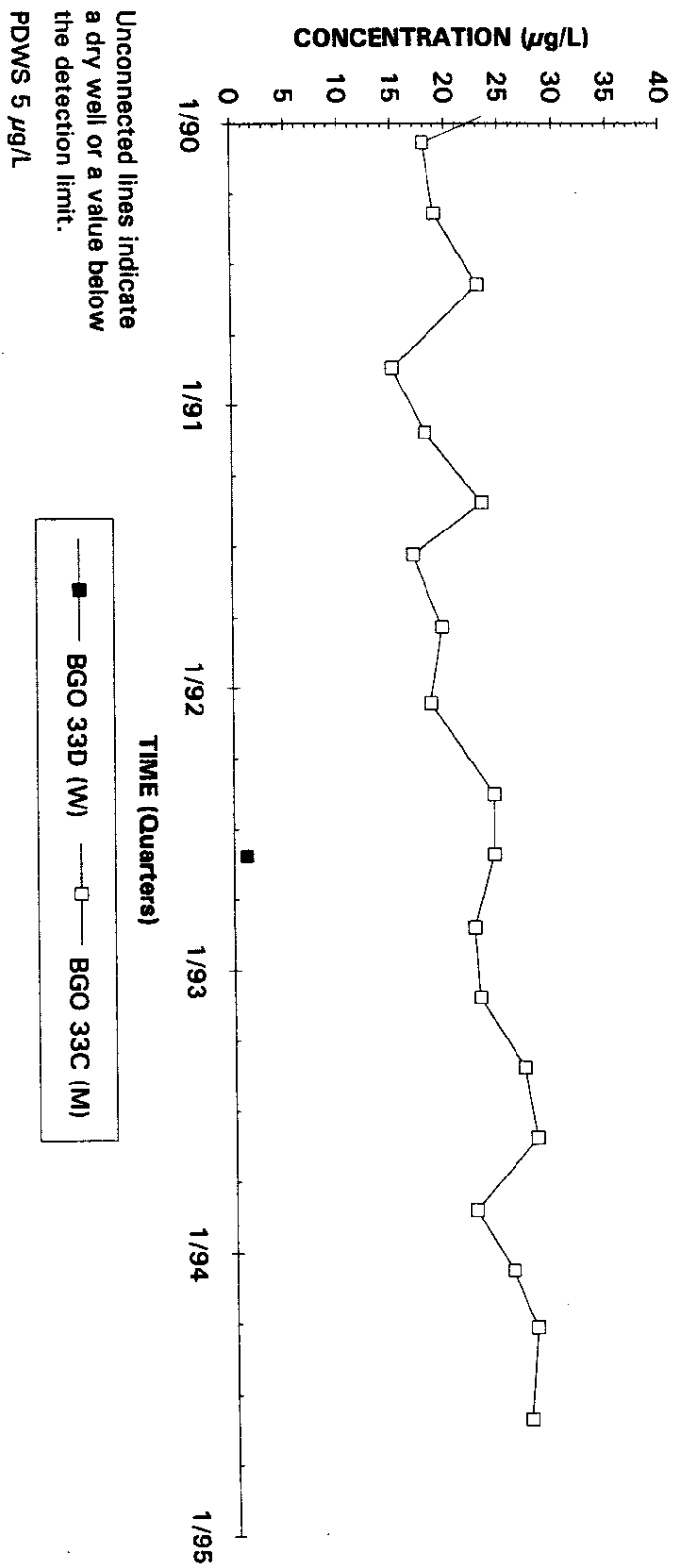
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## 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)

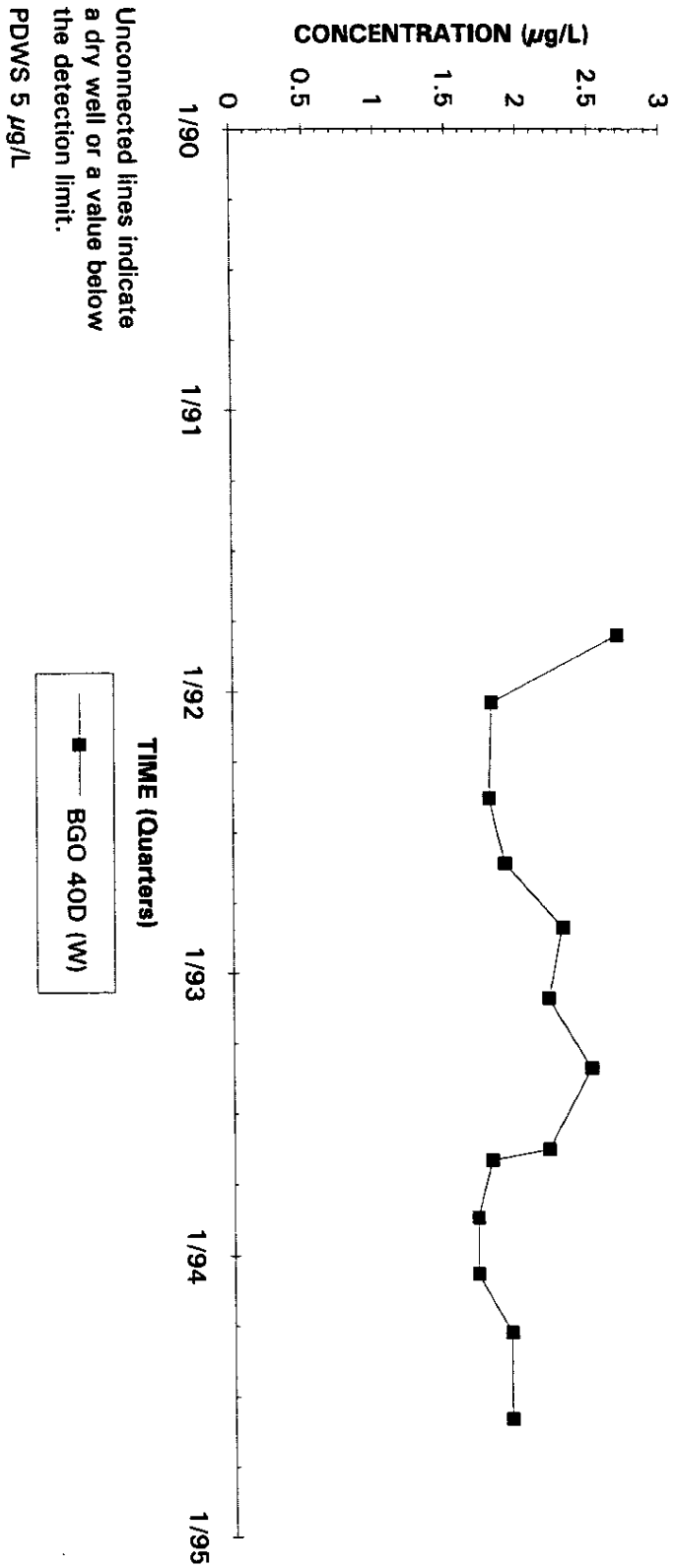
## Trichloroethylene Concentrations Well Cluster BGO 33



Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

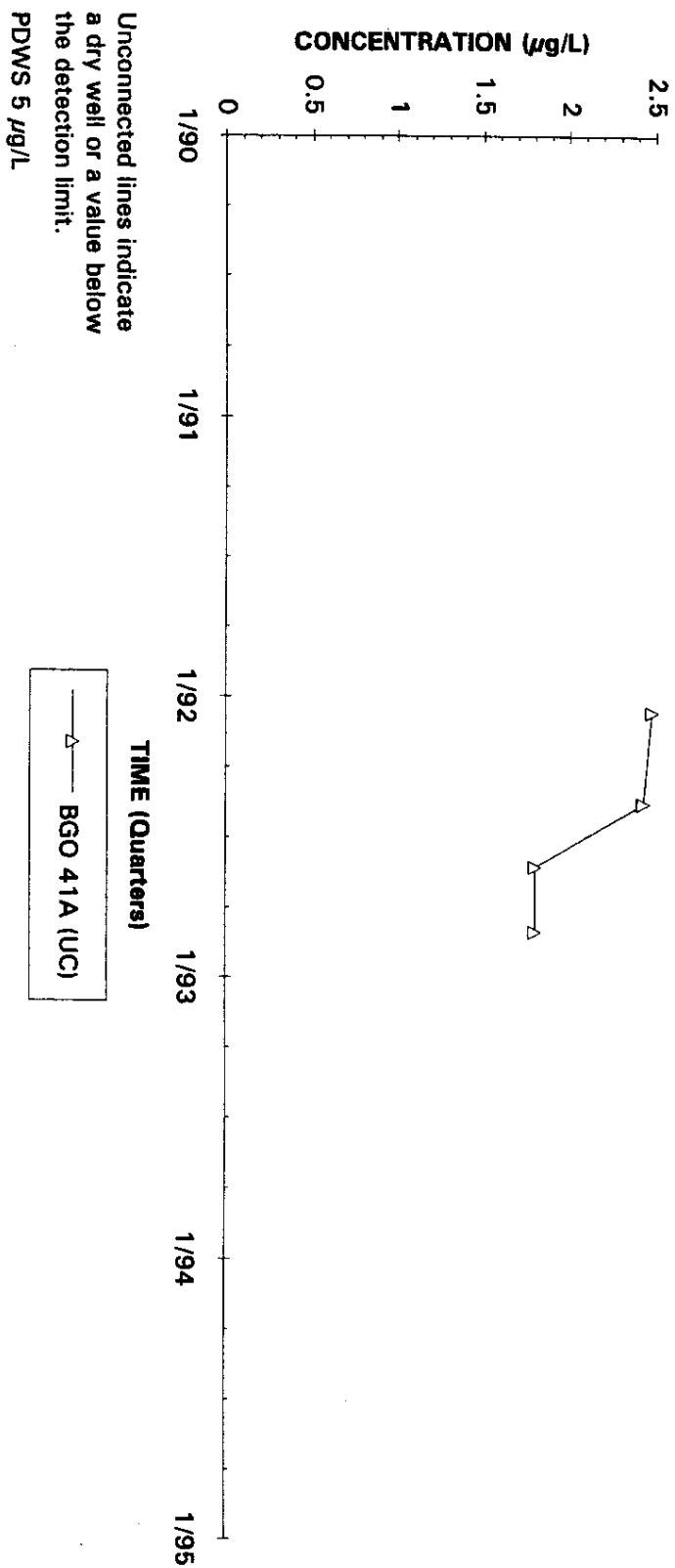


## Trichloroethylene Concentrations Well BGO 40D



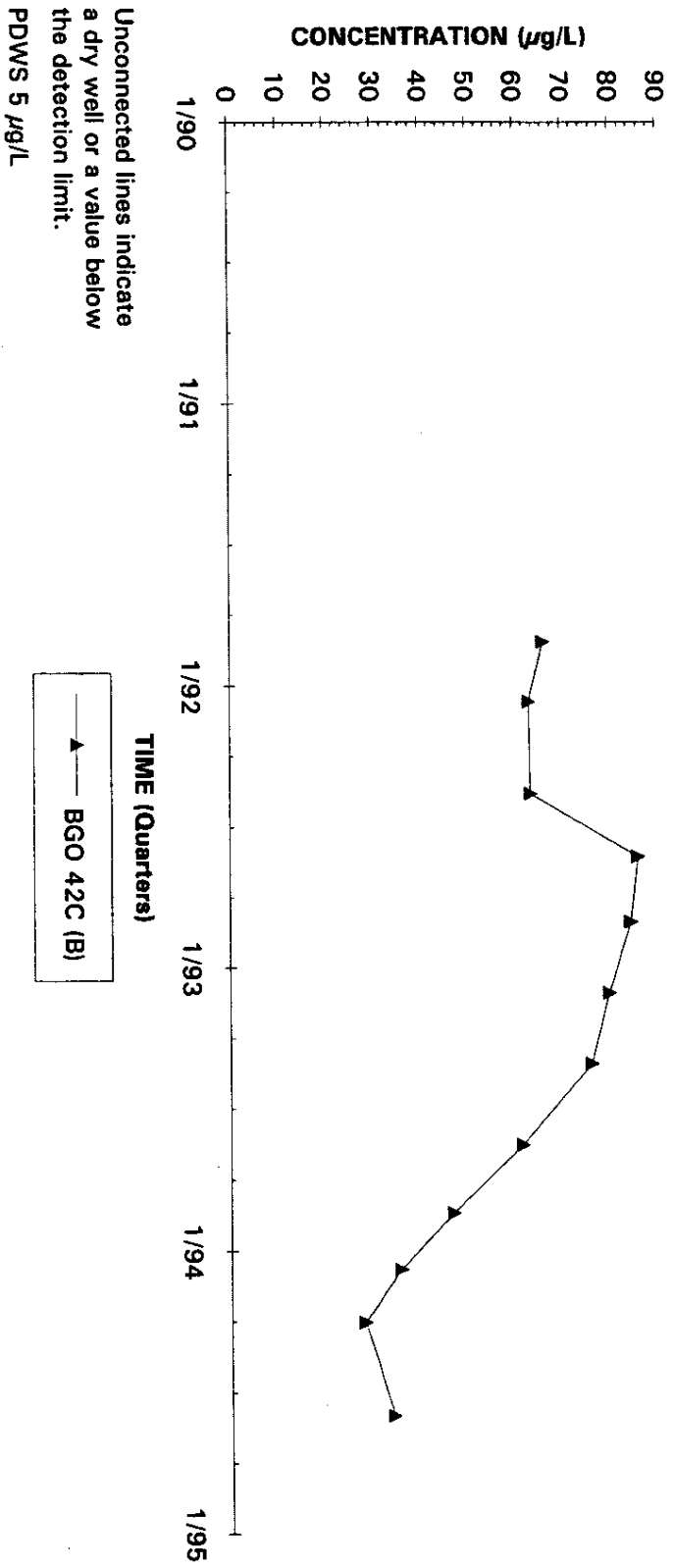
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well BGO 41A



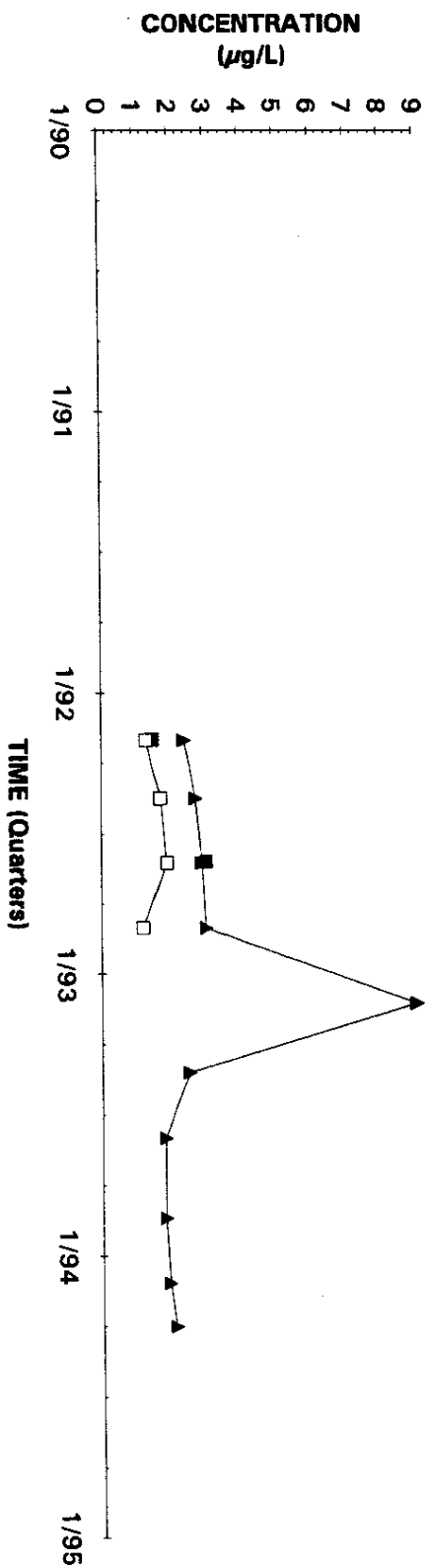
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well BGO 42C



Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well Cluster BGO 44

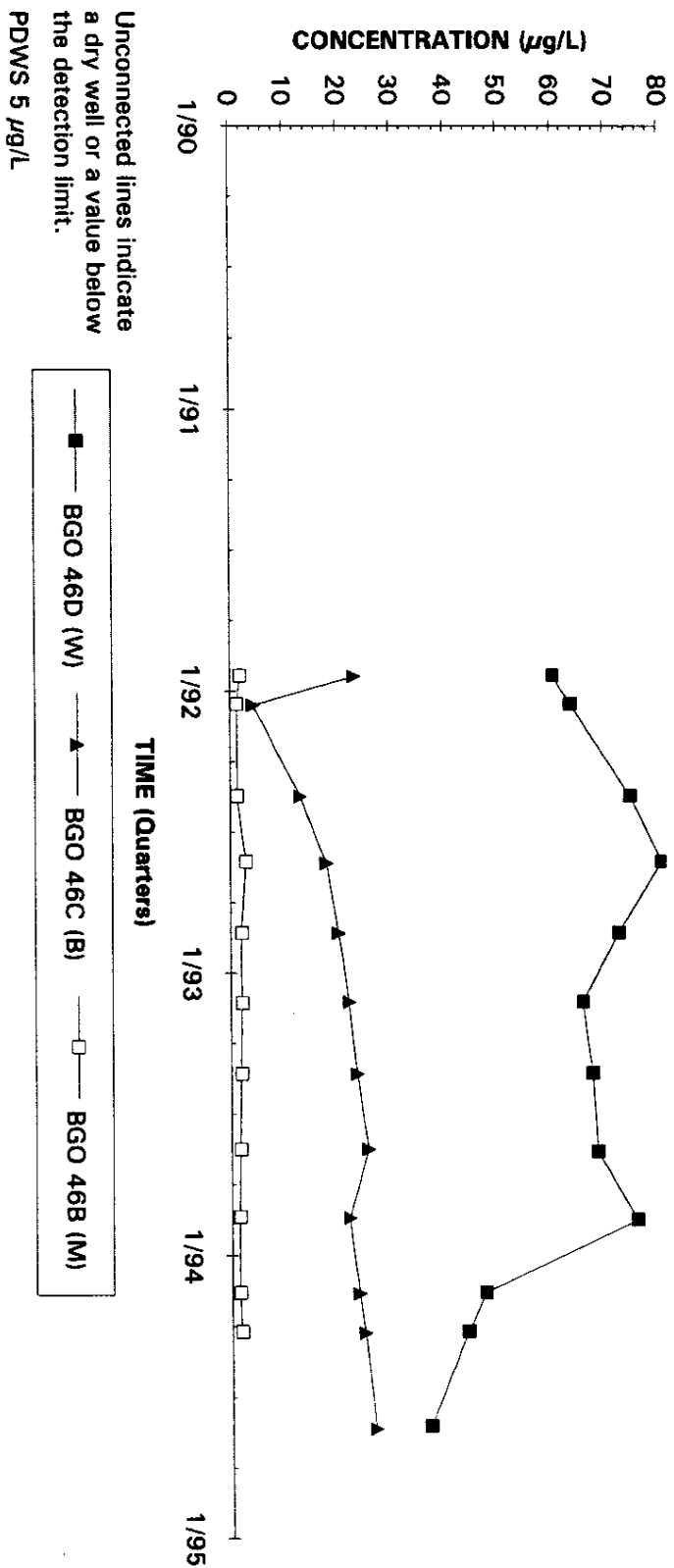


Unconnected lines indicate a dry well or a value below the detection limit.

PDWS 5 µg/L

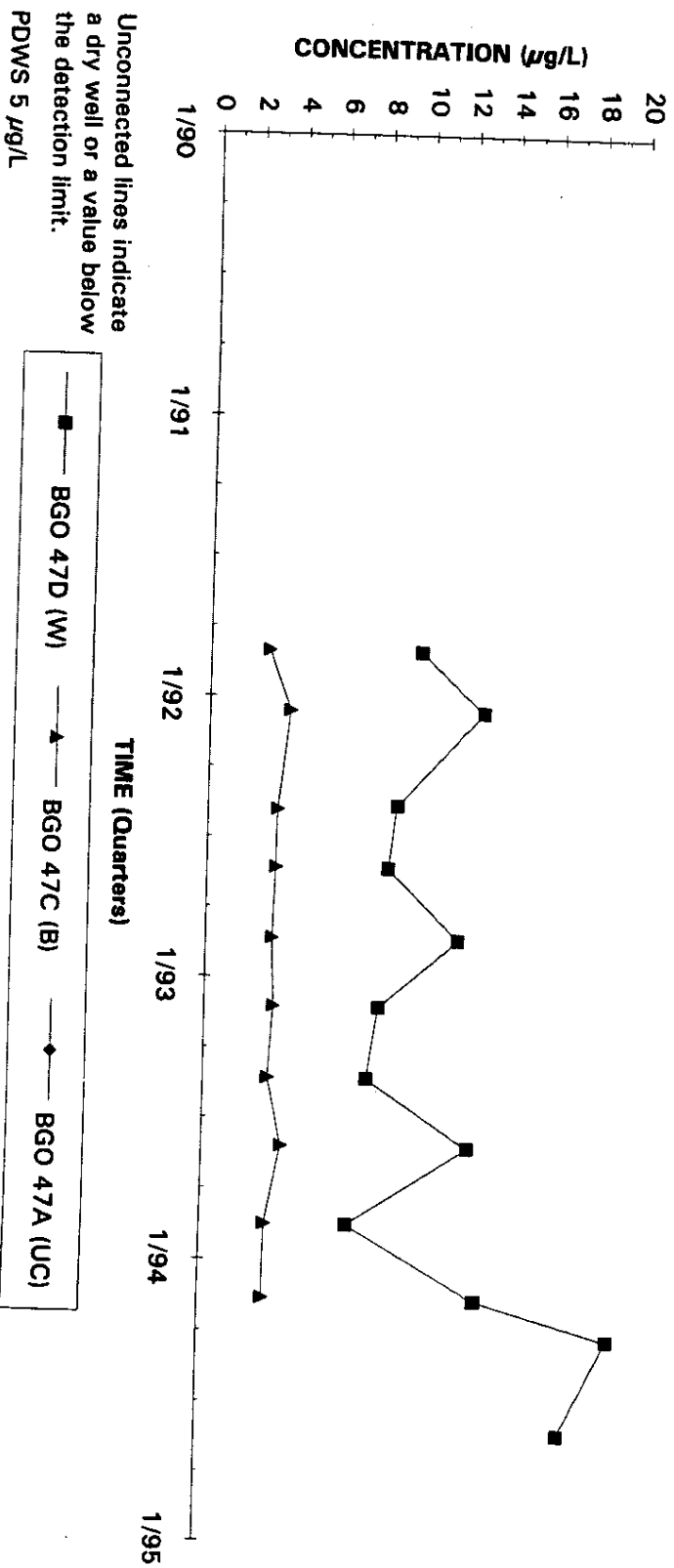
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well Cluster BGO 46



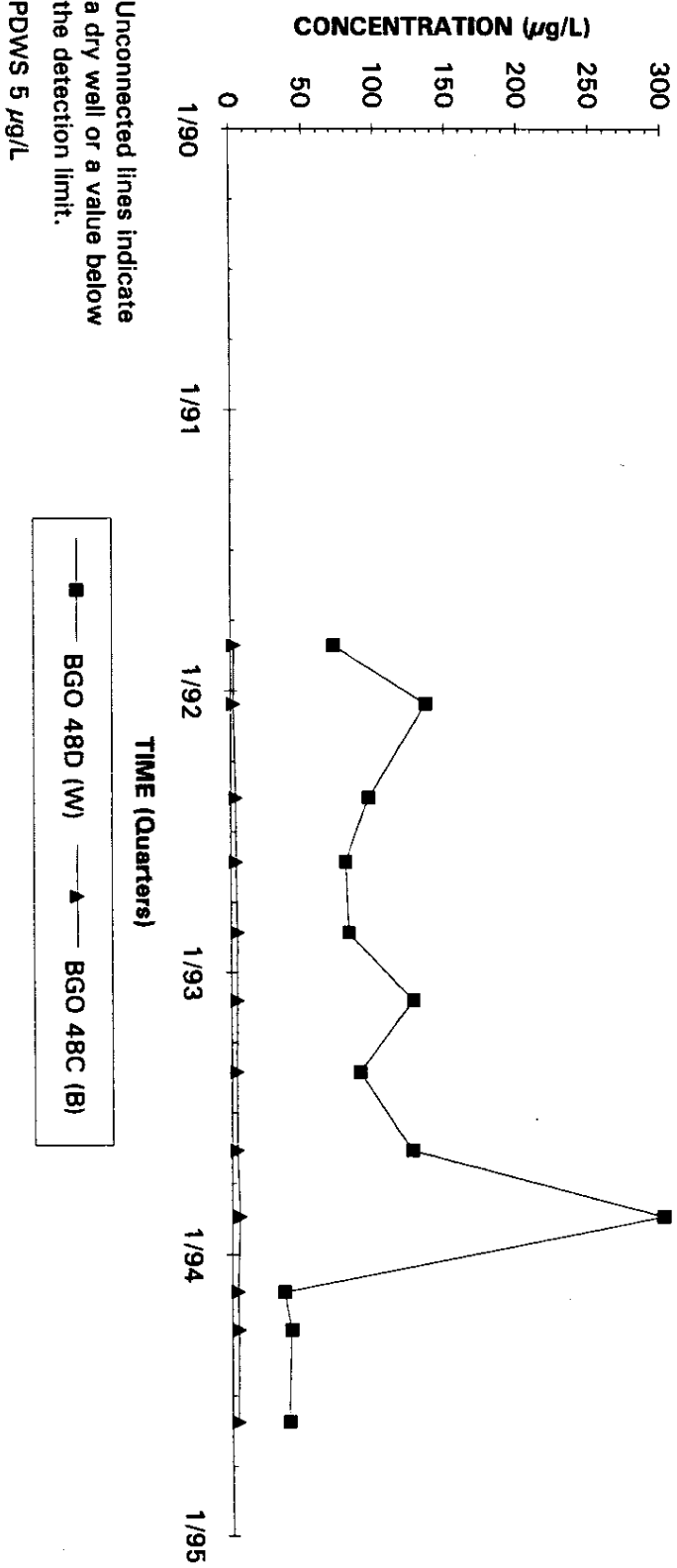
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well Cluster BGO 47



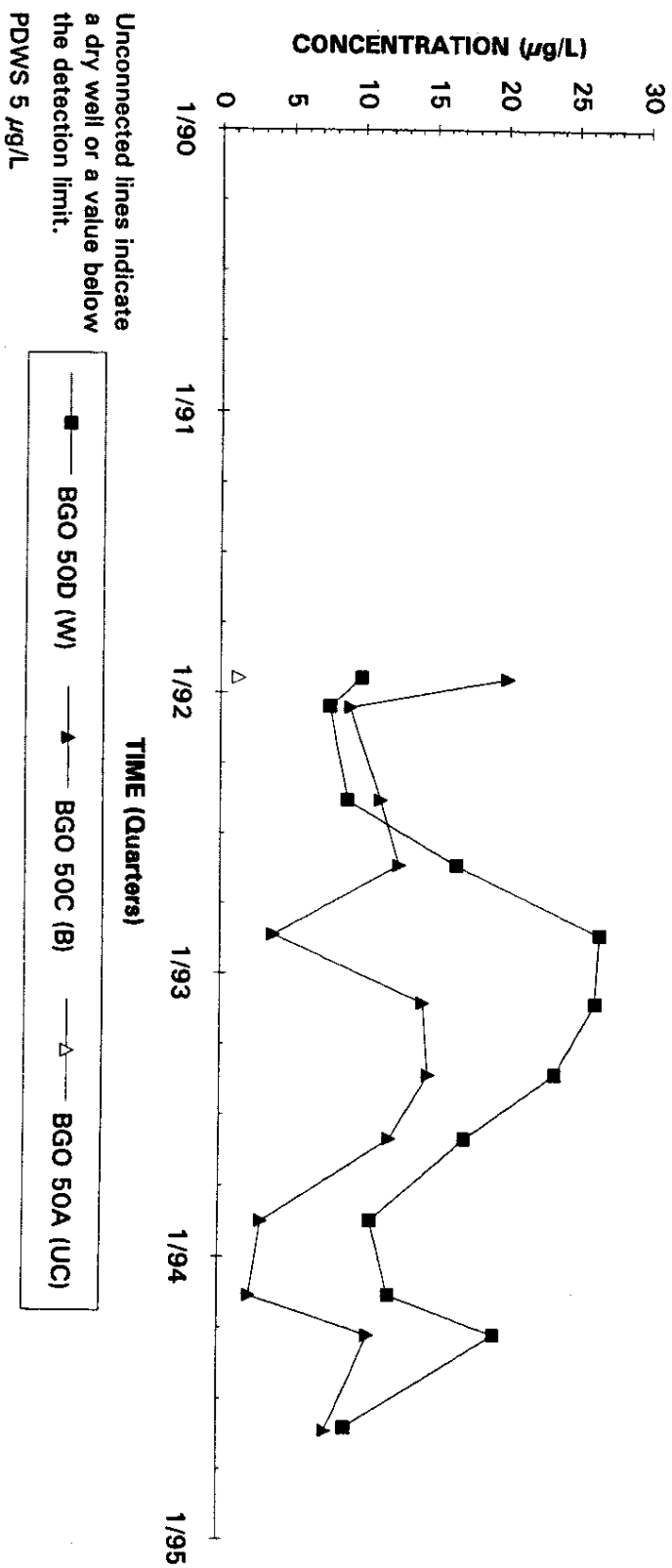
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Trichloroethylene Concentrations Well Cluster BGO 48



Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

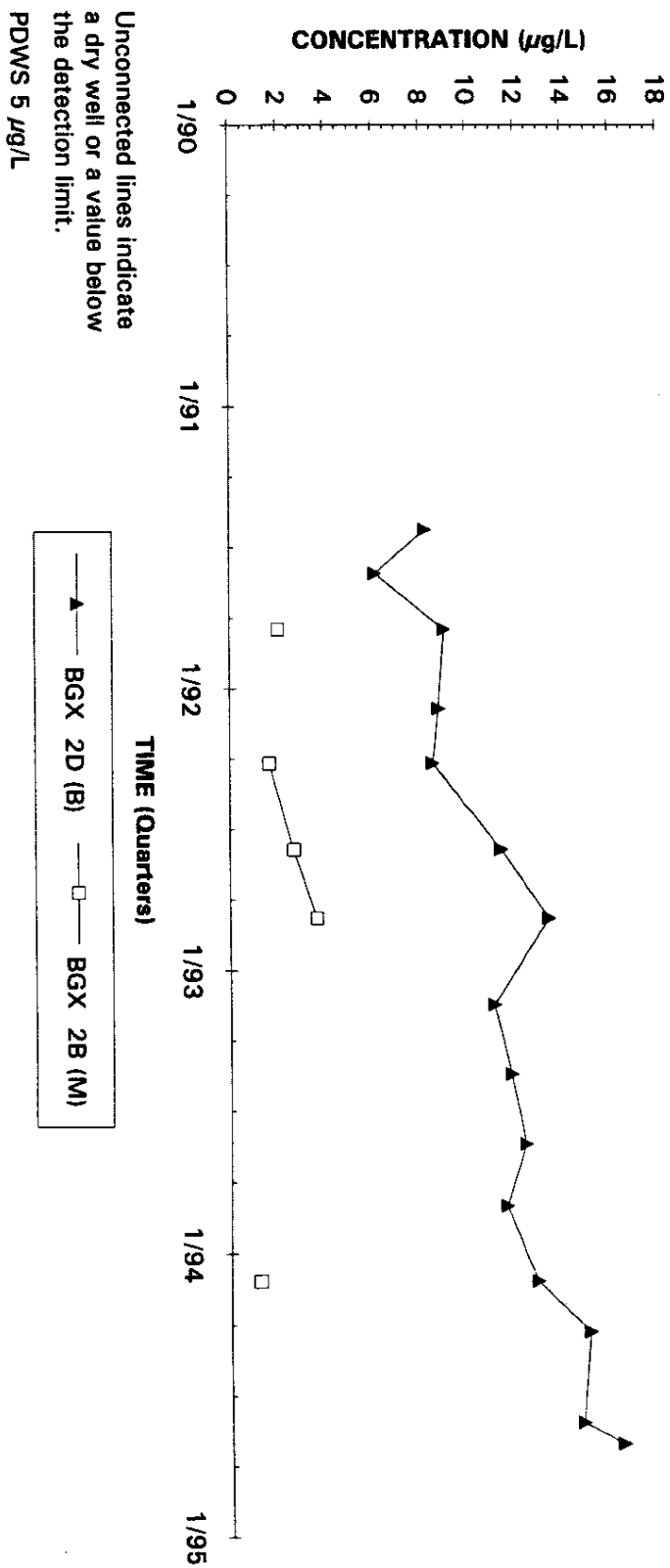
## Trichloroethylene Concentrations Well Cluster BGO 50



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

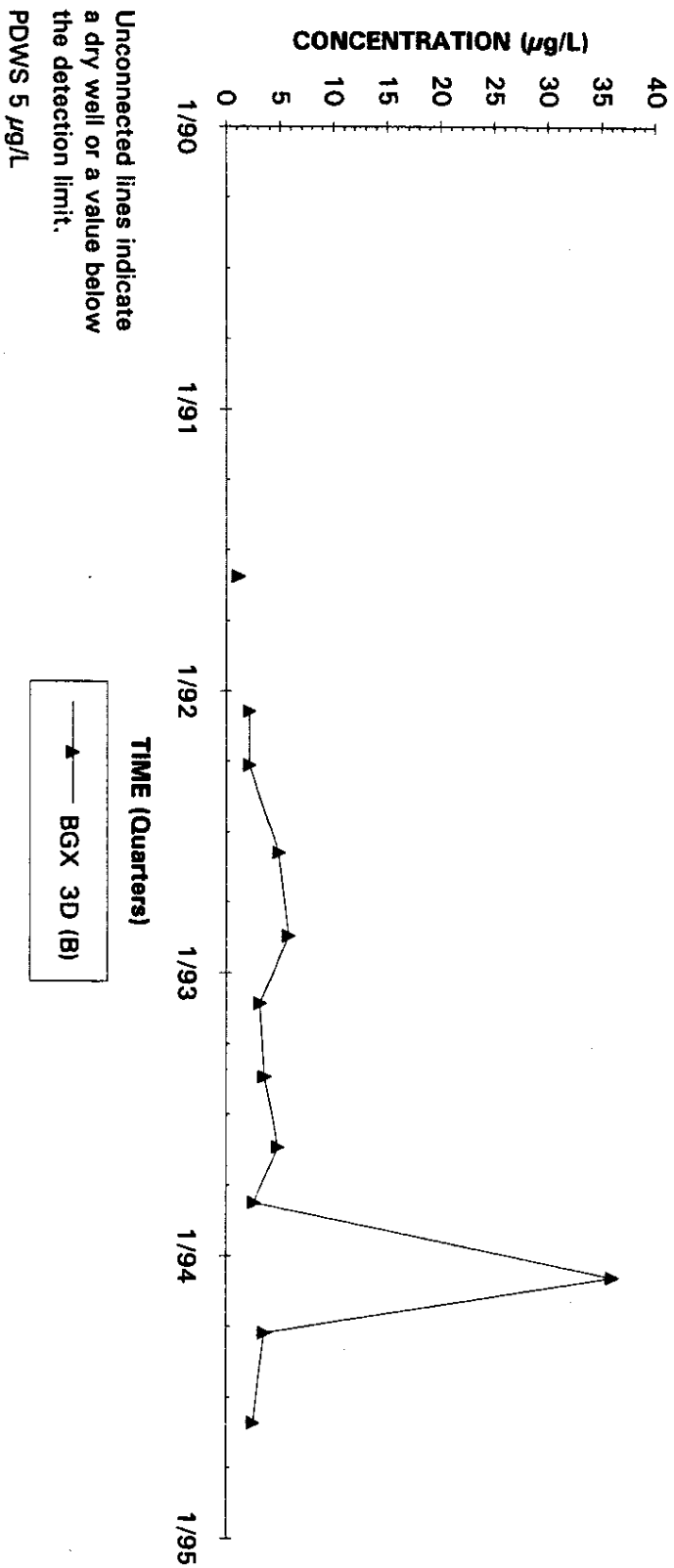


## Trichloroethylene Concentrations Well Cluster BGX 2



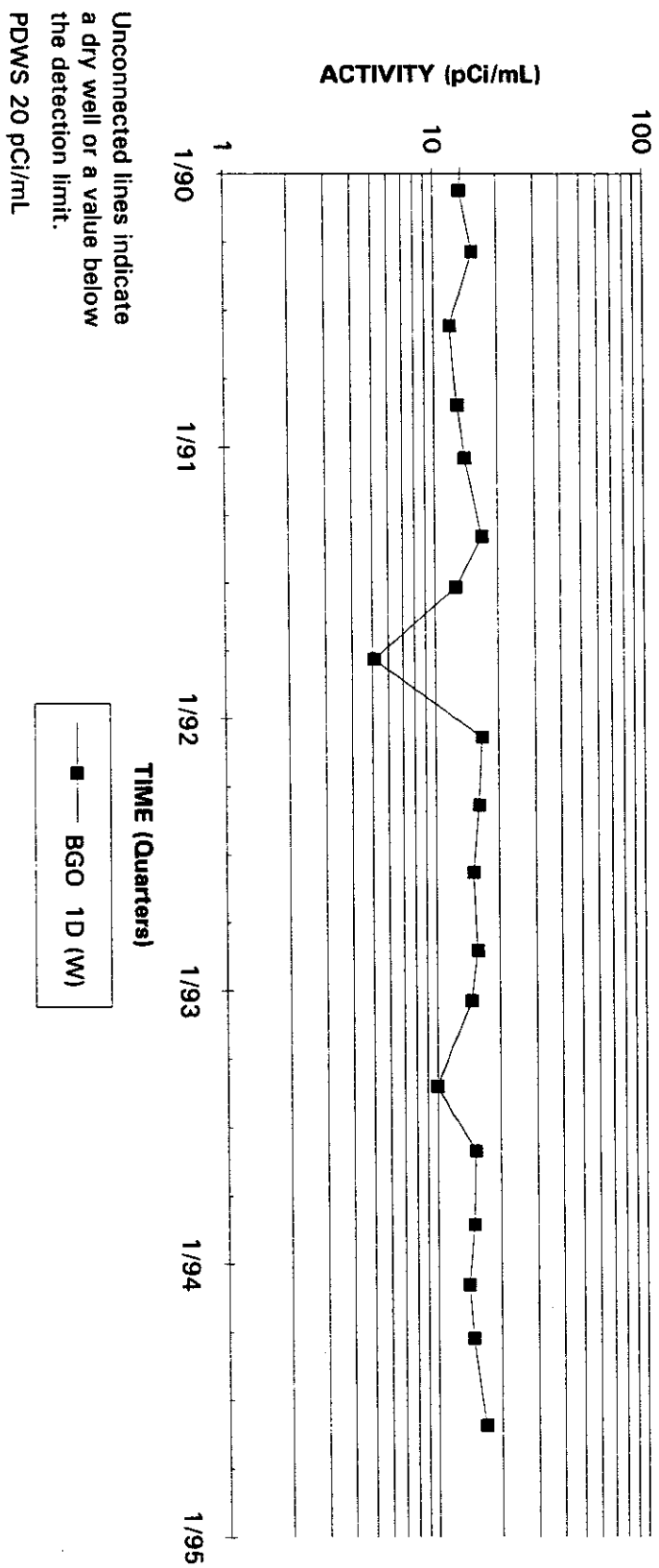
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## 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)

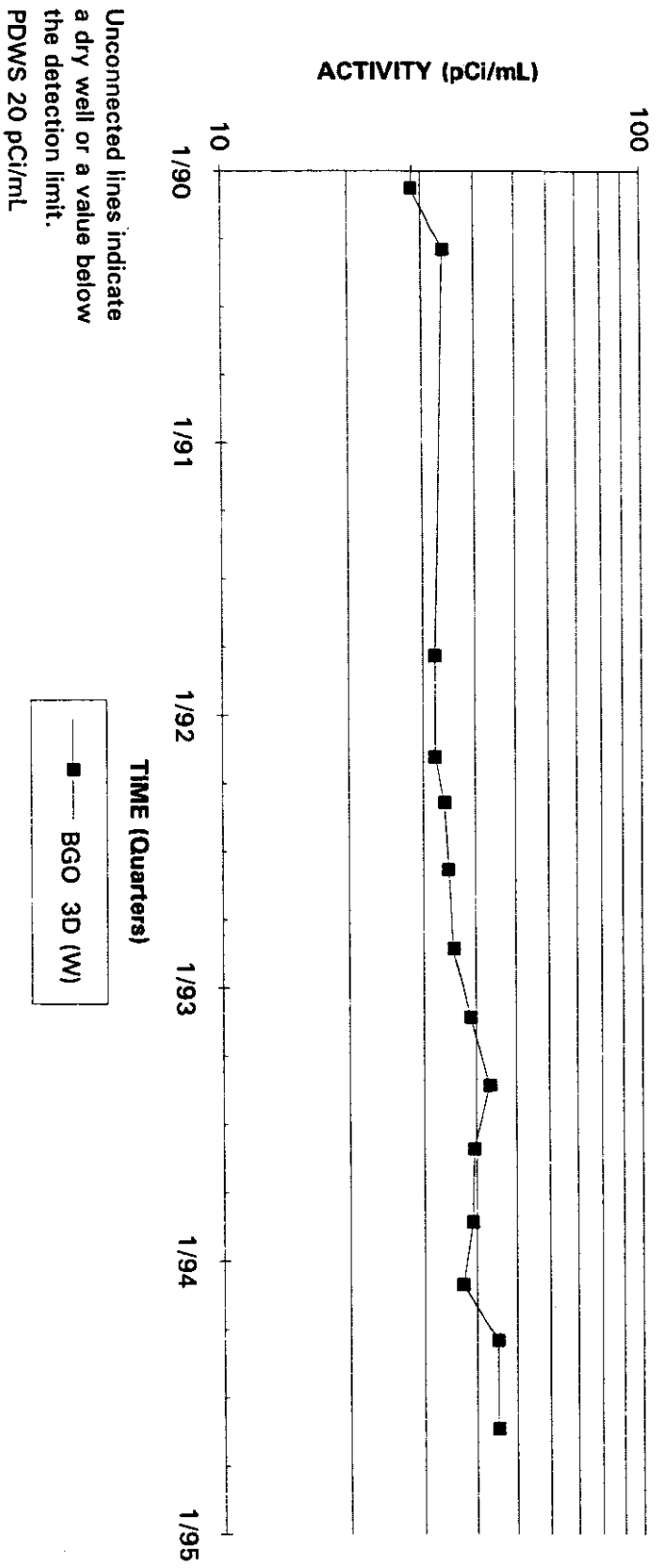
## Tritium Activities Well BGO 1D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

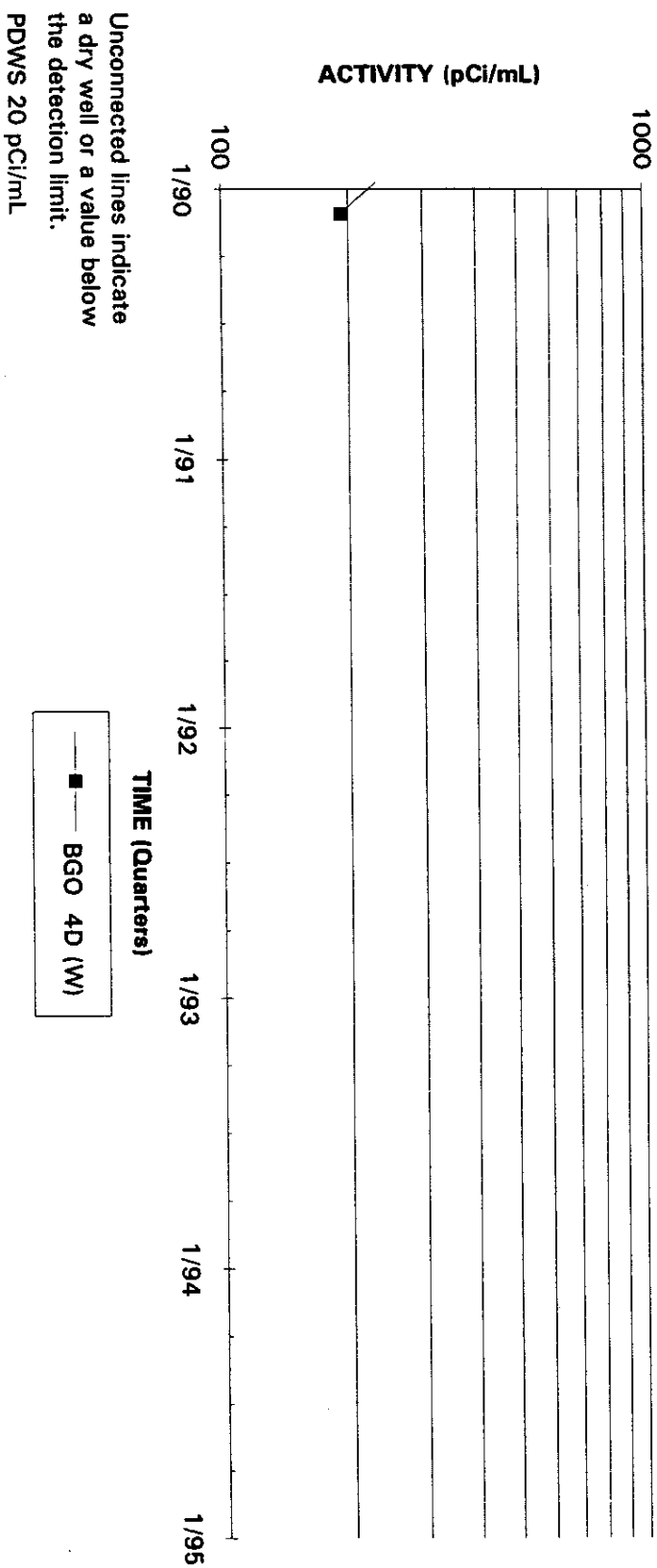


## Tritium Activities Well BGO 3D



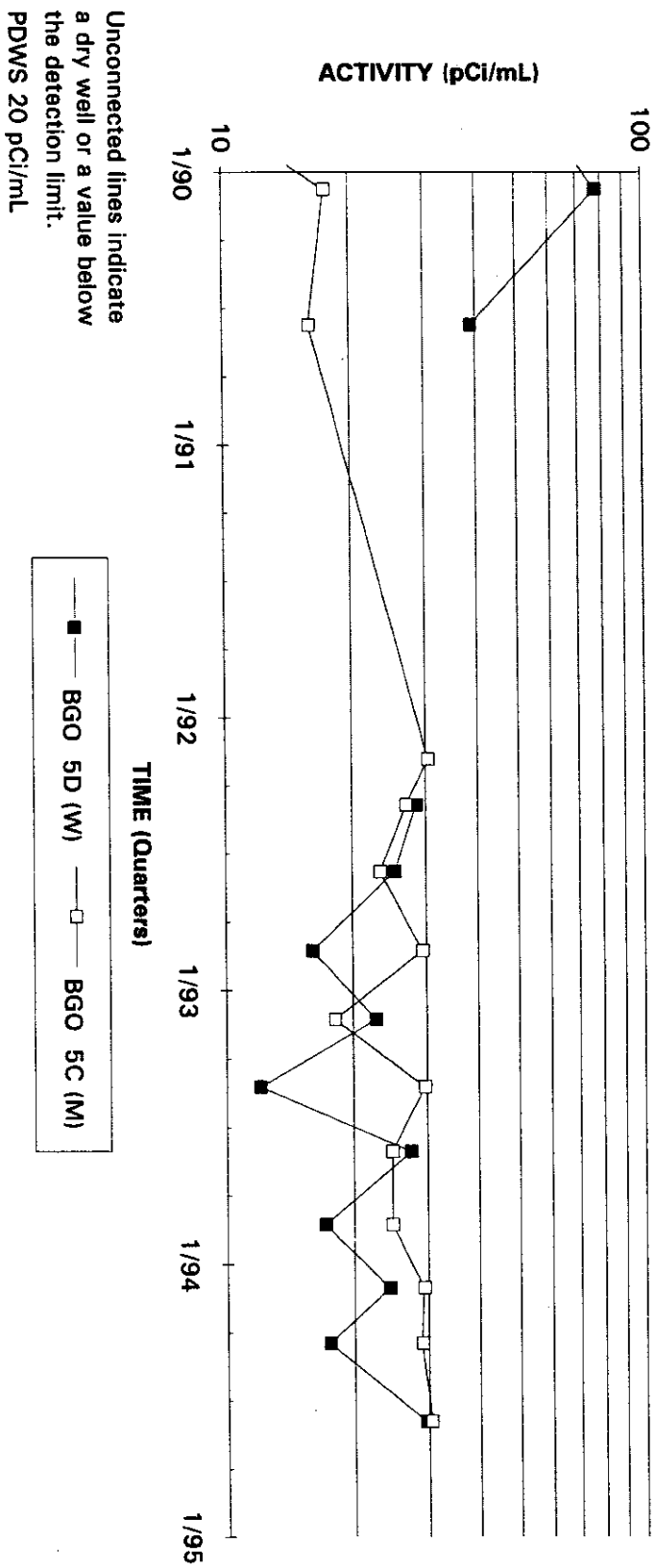
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well BGO 4D



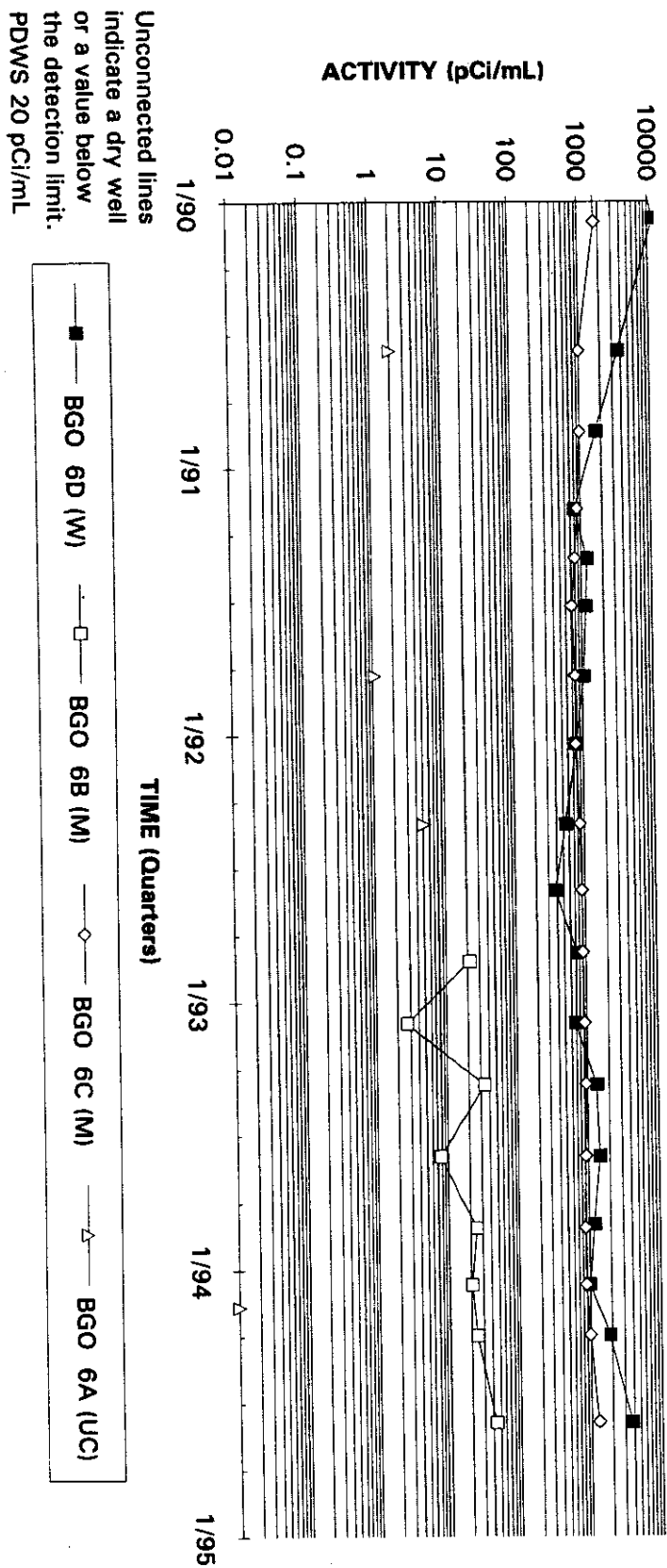
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 5



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

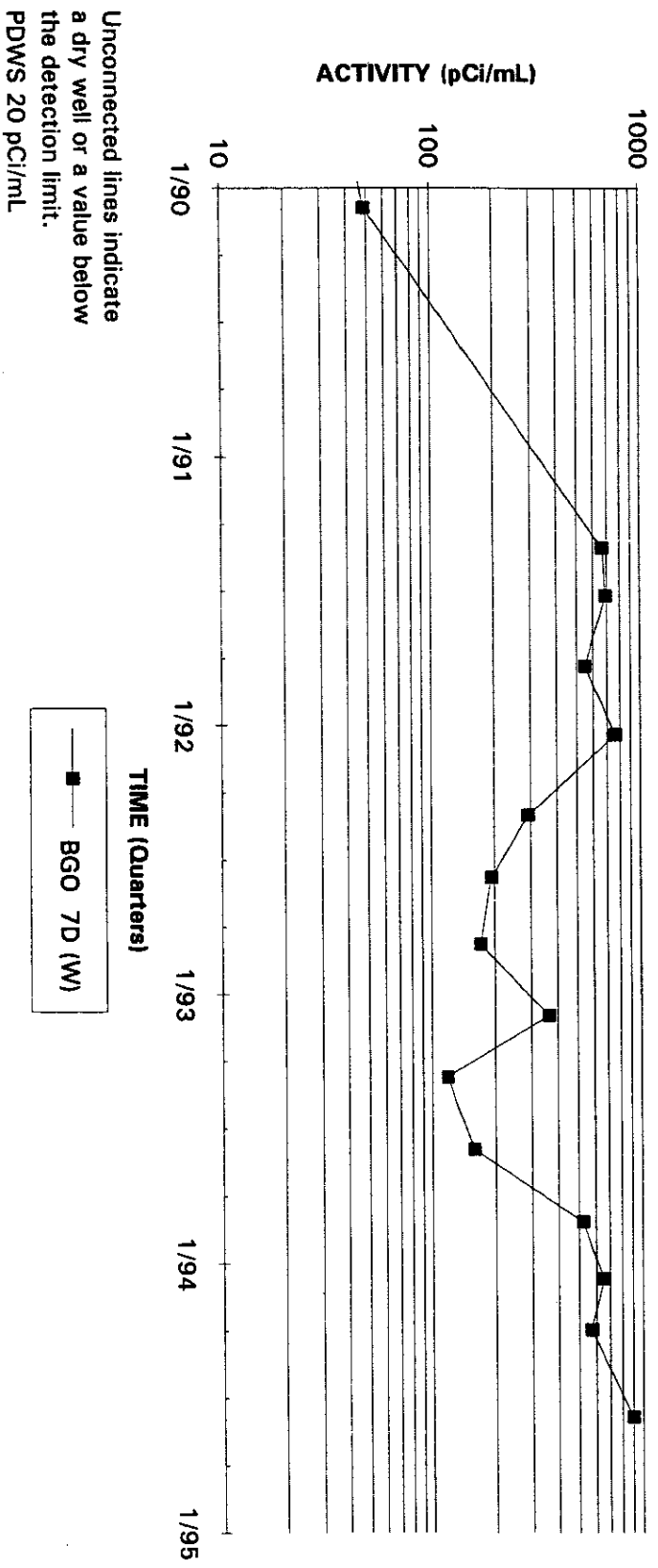
## Tritium Activities Well Cluster BGO 6



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

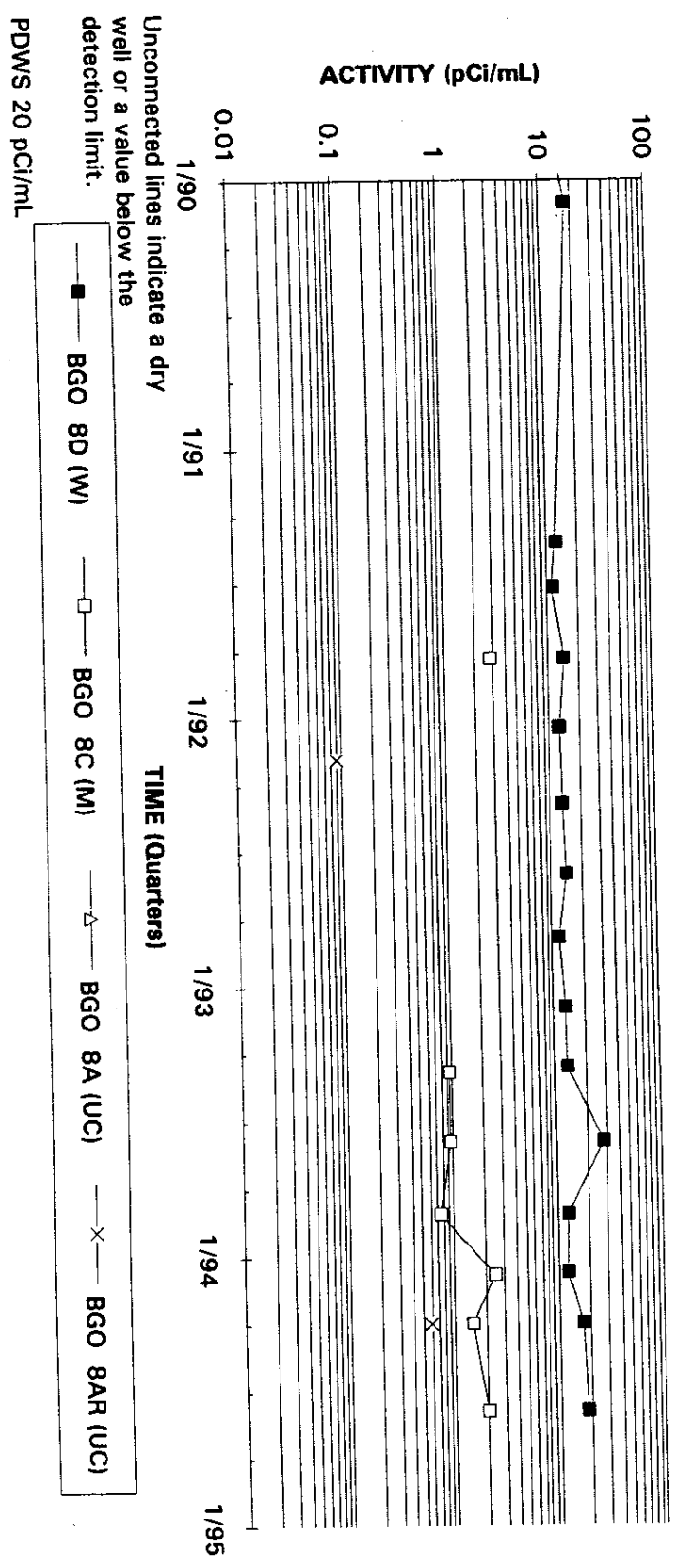


# Tritium Activities Well BGO 7D



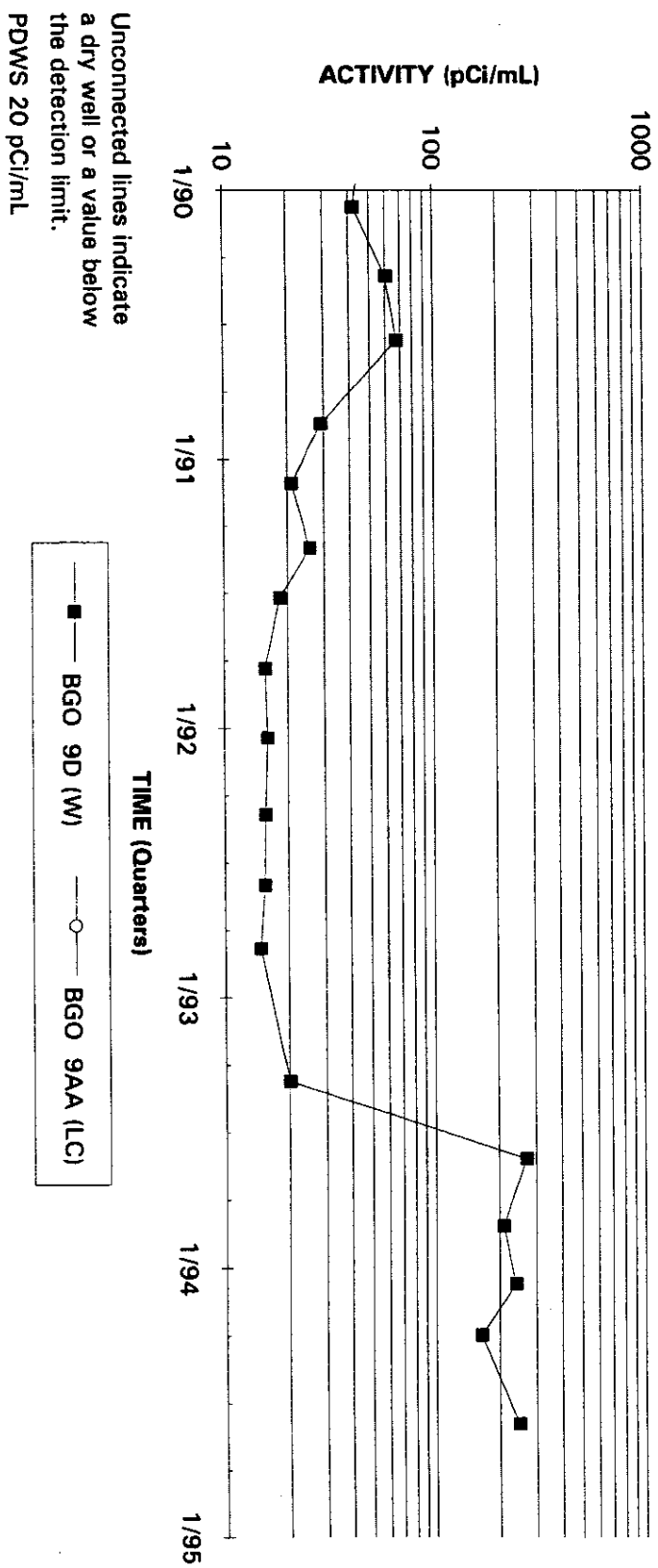
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Tritium Activities Well Cluster BGO 8



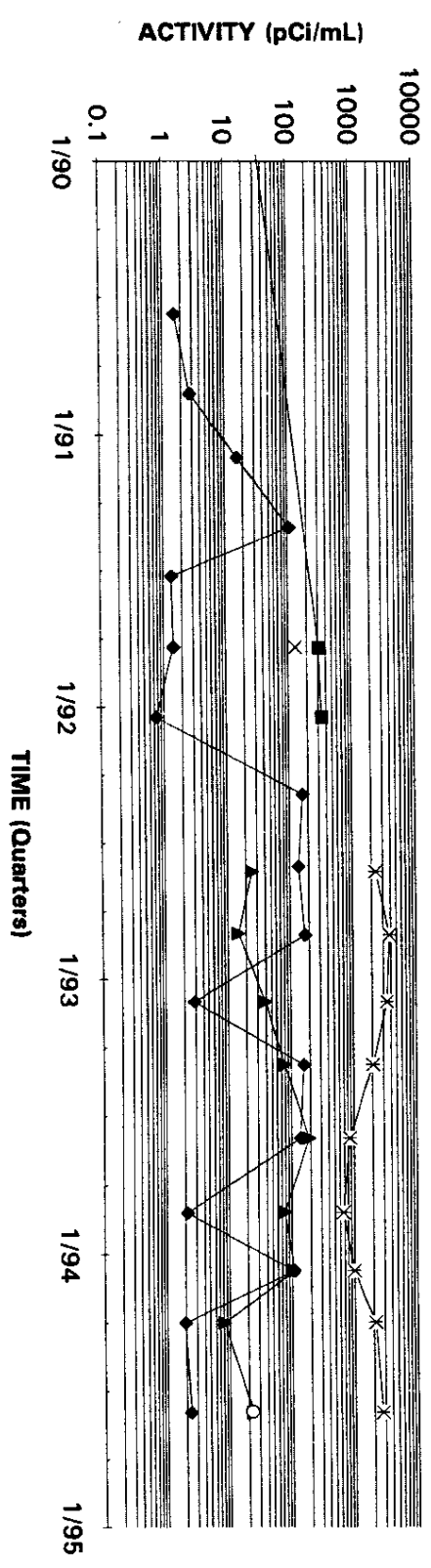
Note: W=Water Table (IIB2); B=Barmwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 9

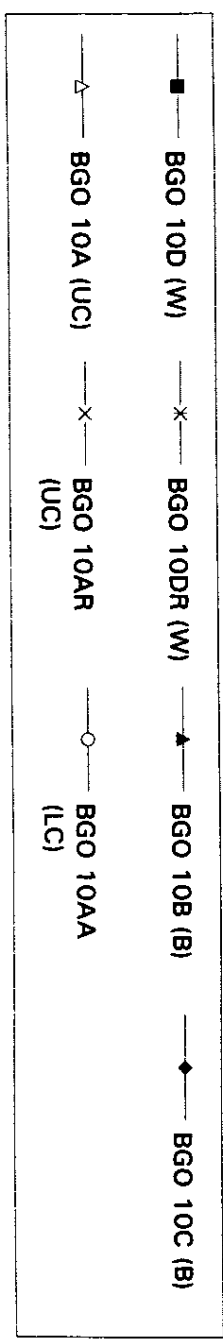


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Tritium Activities Well Cluster BGO 10

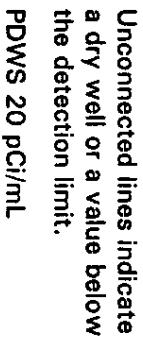


Unconnected lines indicate a dry well or a value below the detection limit.  
PDWS 20 pCi/mL



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

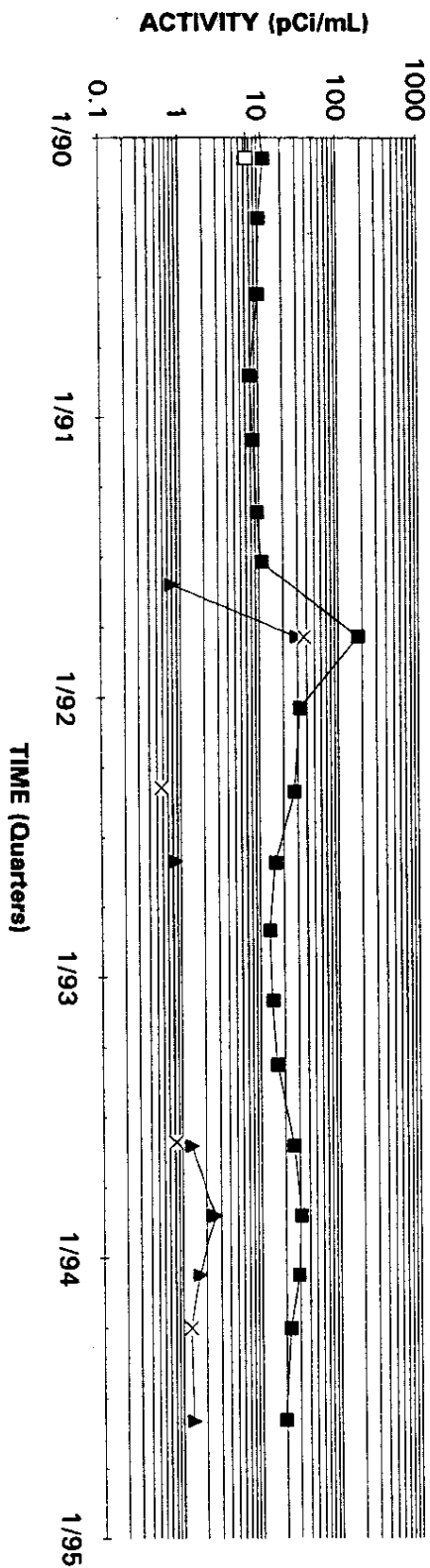
# Well BGO 11D



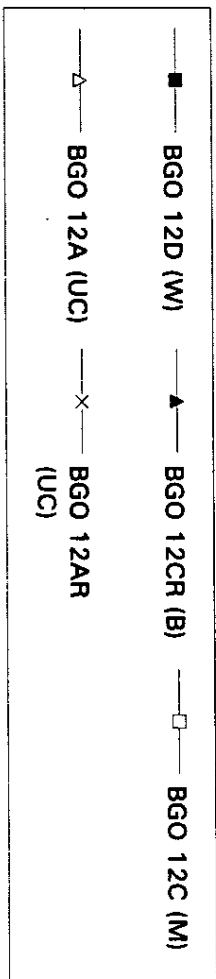
**MWMF**

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## Tritium Activities Well Cluster BGO 12

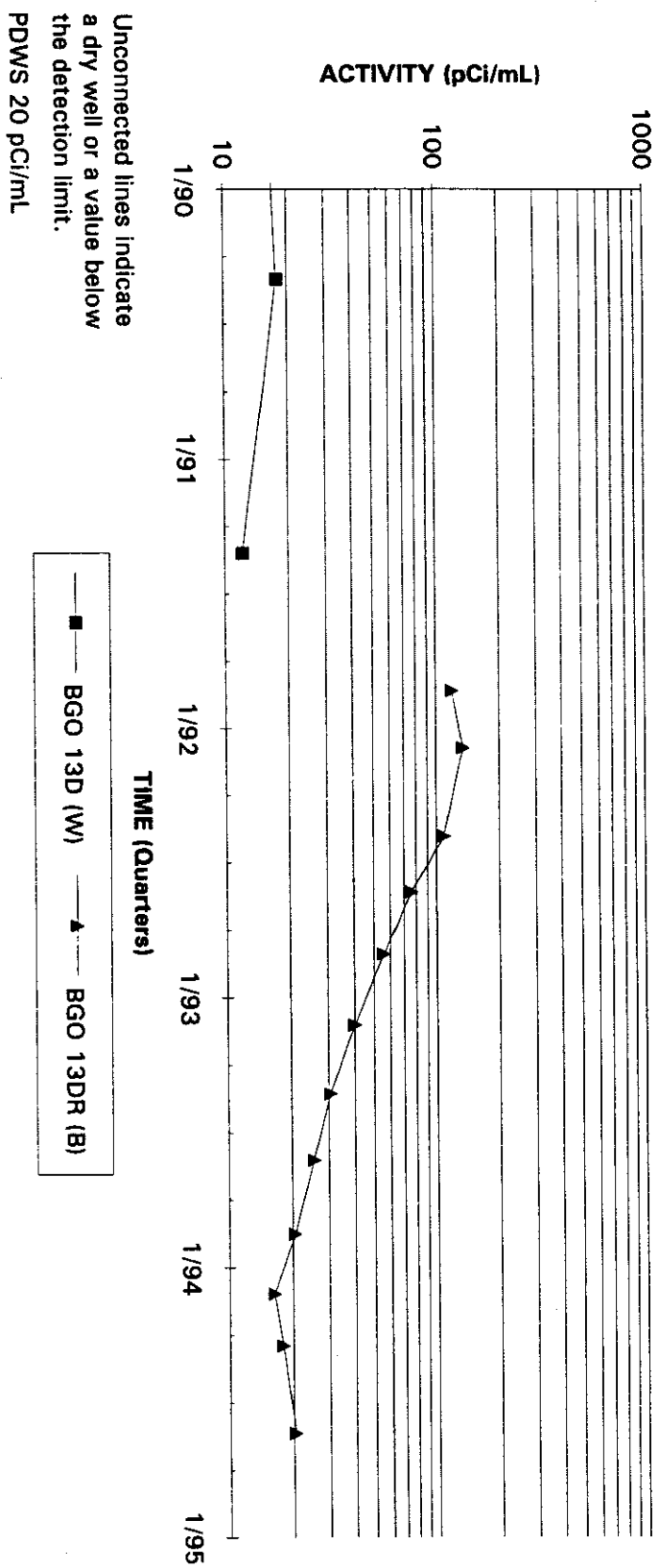


Unconnected lines indicate a dry well or a value below the detection limit.  
PDWS 20 pCi/mL



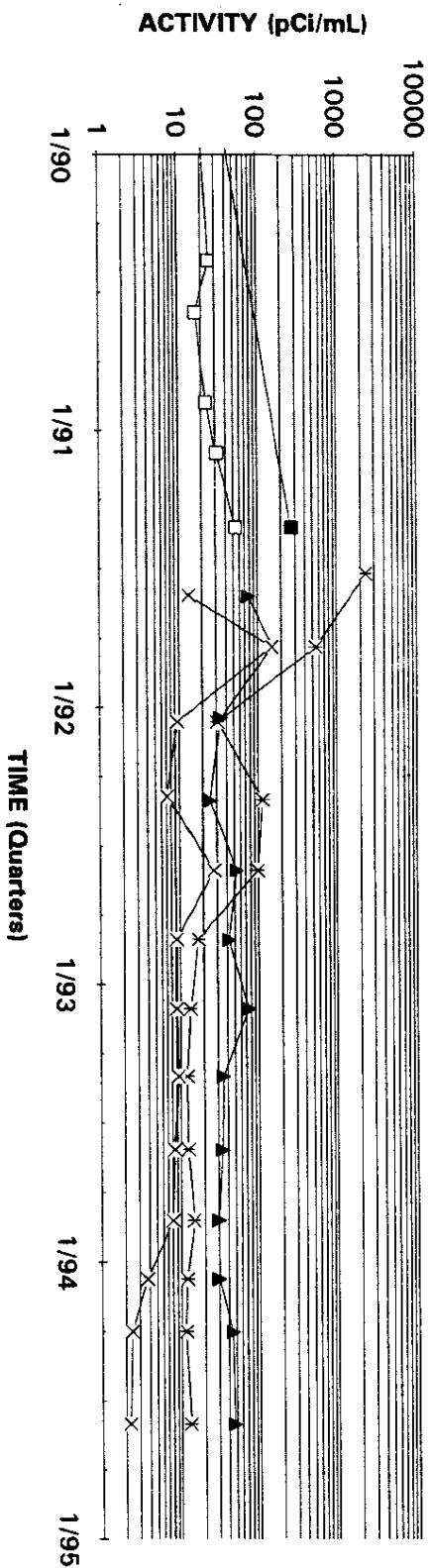
Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

## Tritium Activities Well Cluster BGO 13

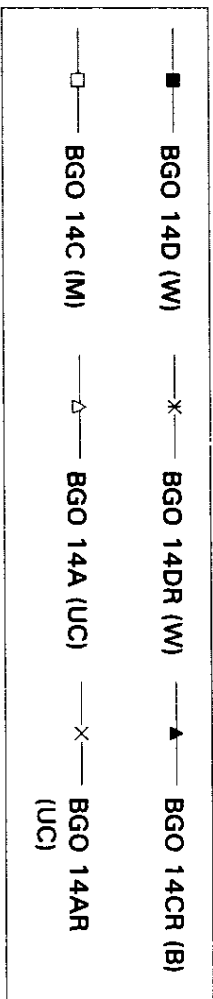


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 14



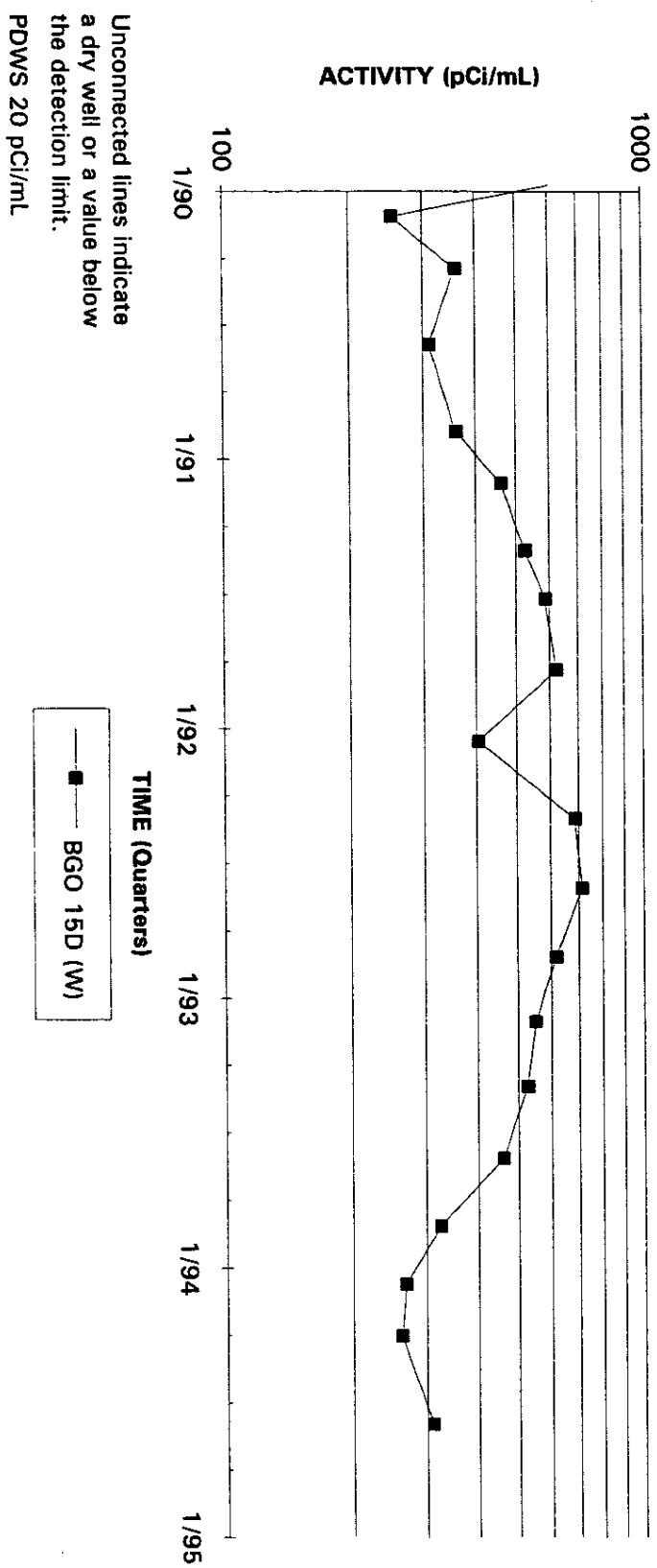
Unconnected lines indicate a dry well or a value below the detection limit. PDWS 20 pCi/mL



Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

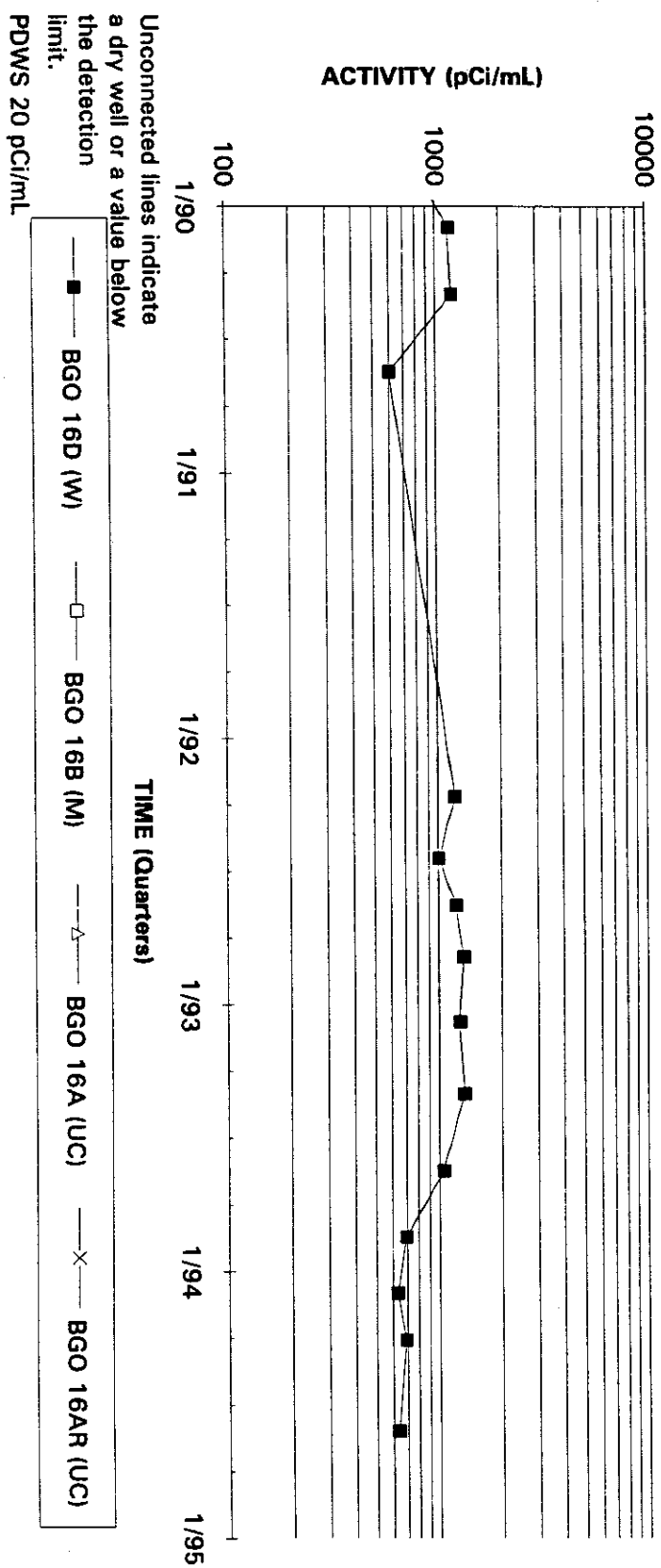


## Tritium Activities Well BGO 15D



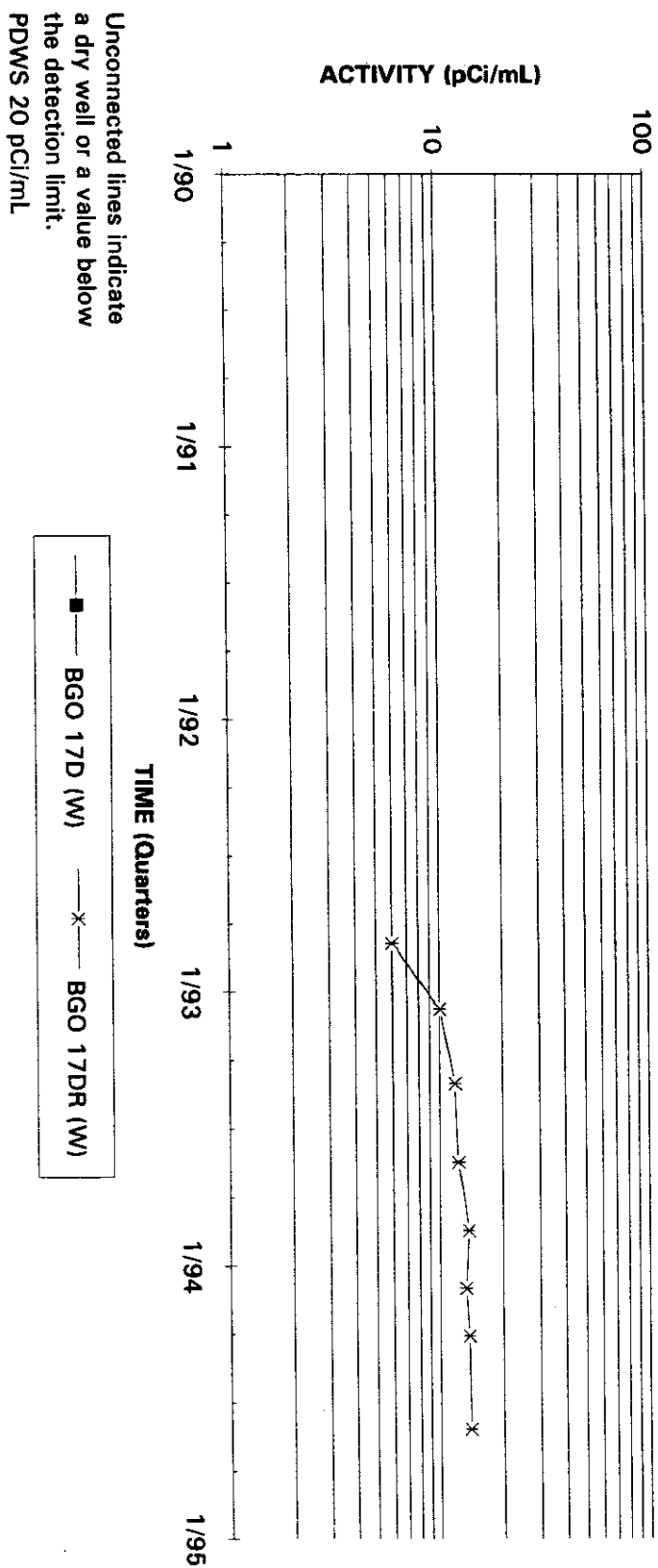
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 16



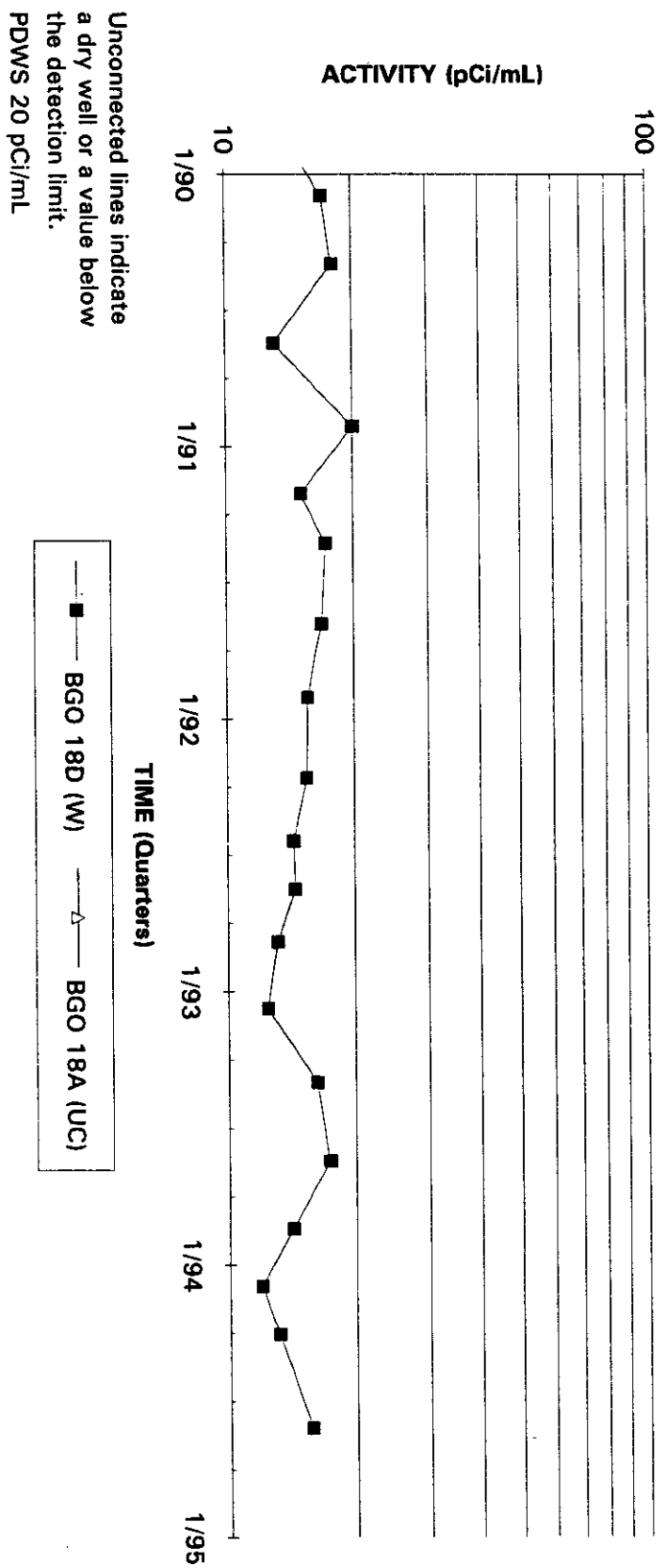
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 17



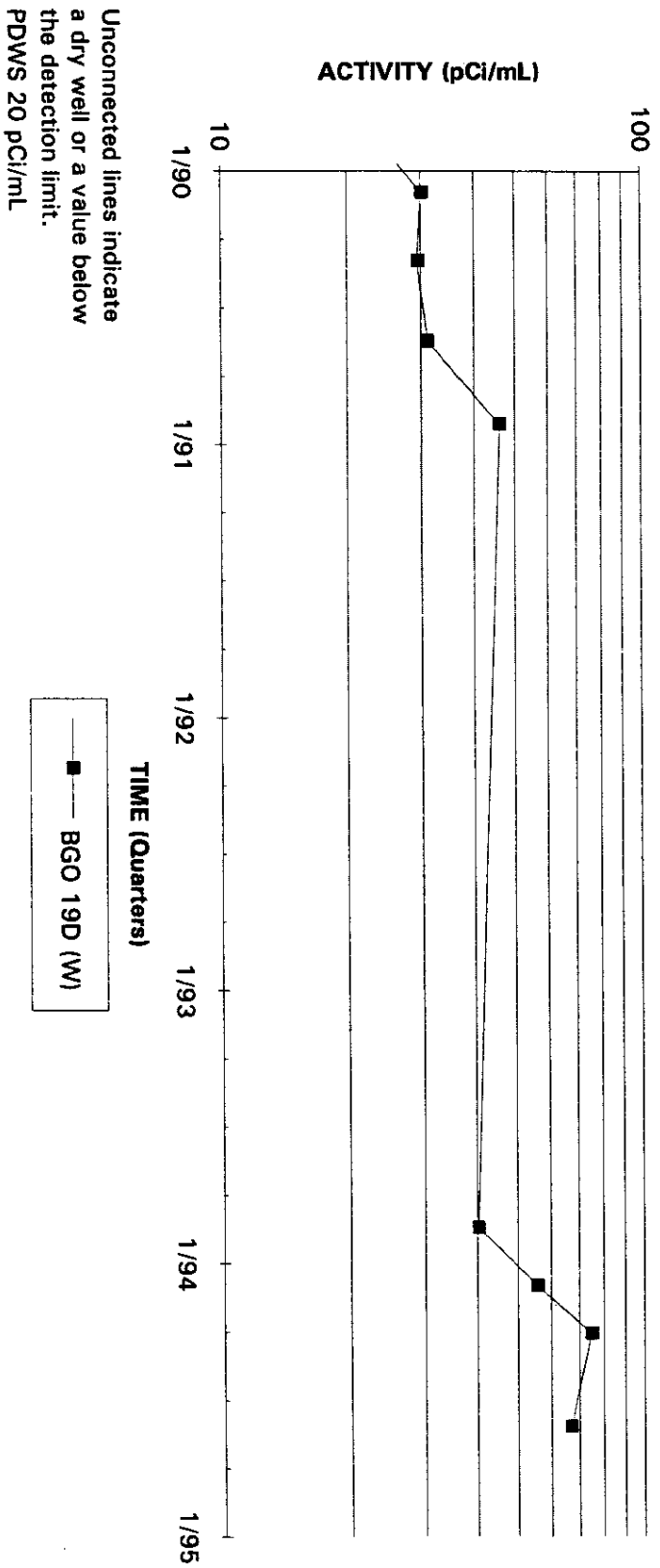
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 18



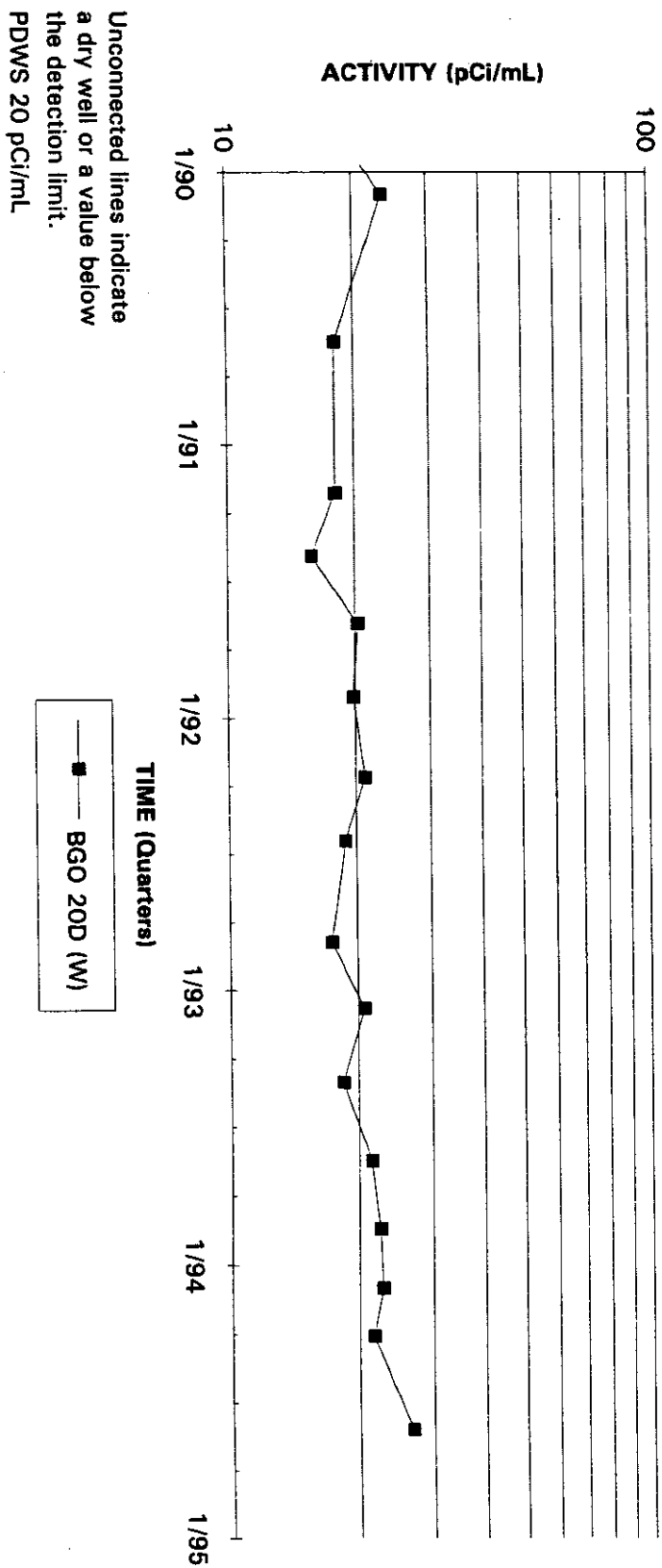
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## 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)

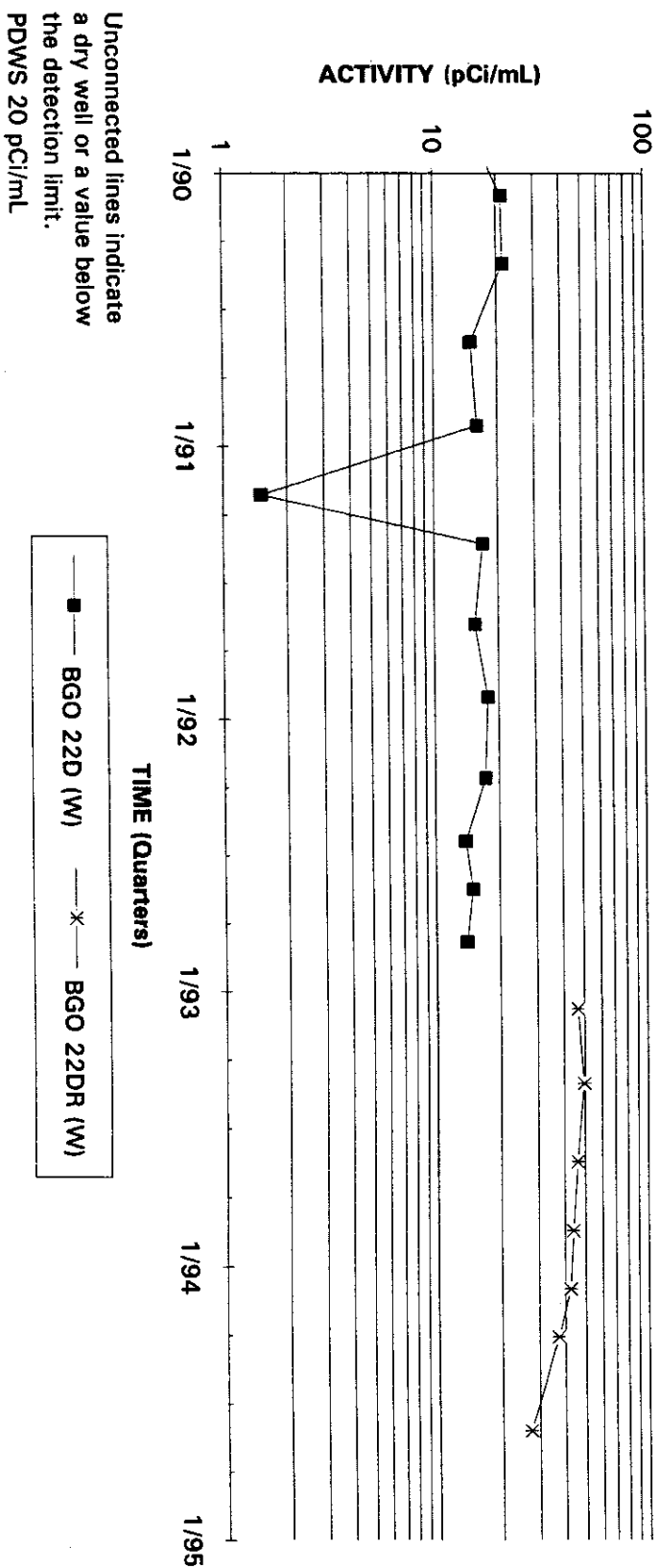
## Tritium Activities Well BGO 20D



Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

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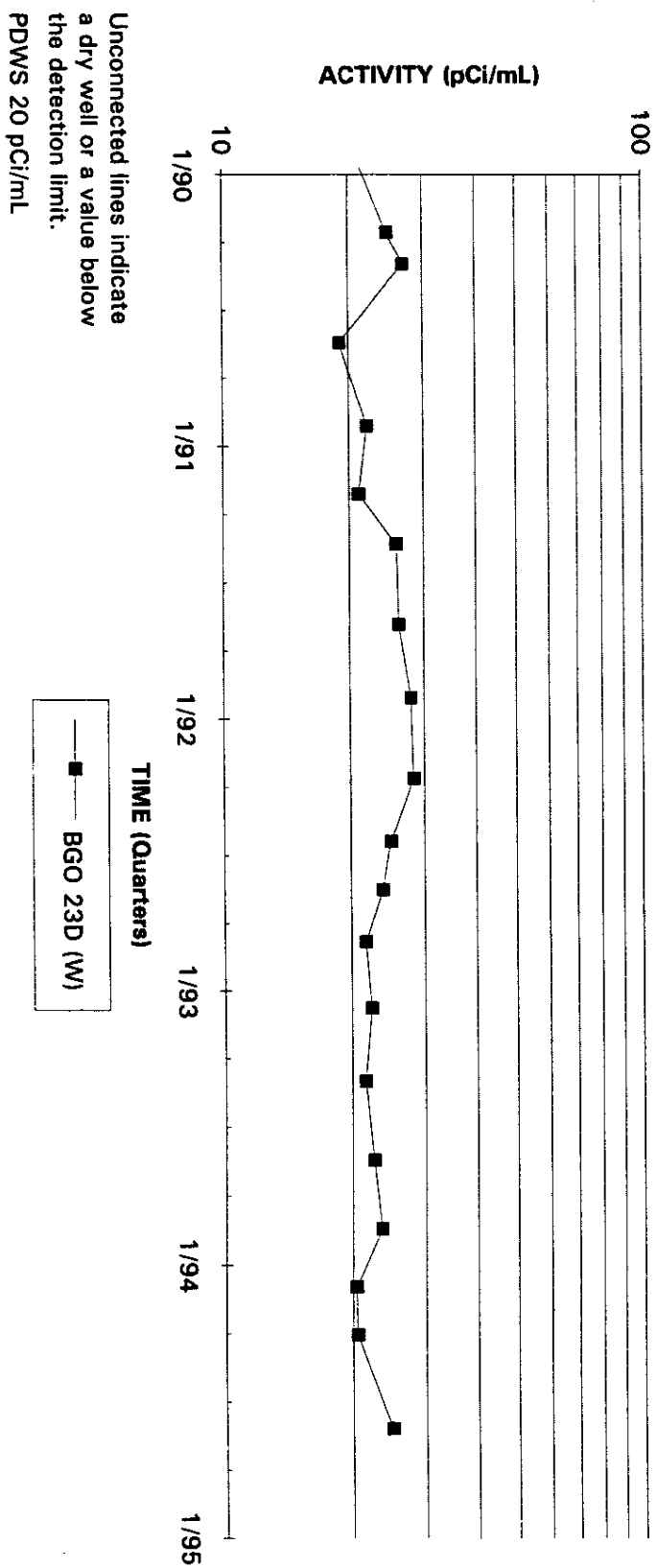
## Tritium Activities Well Cluster BGO 22



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

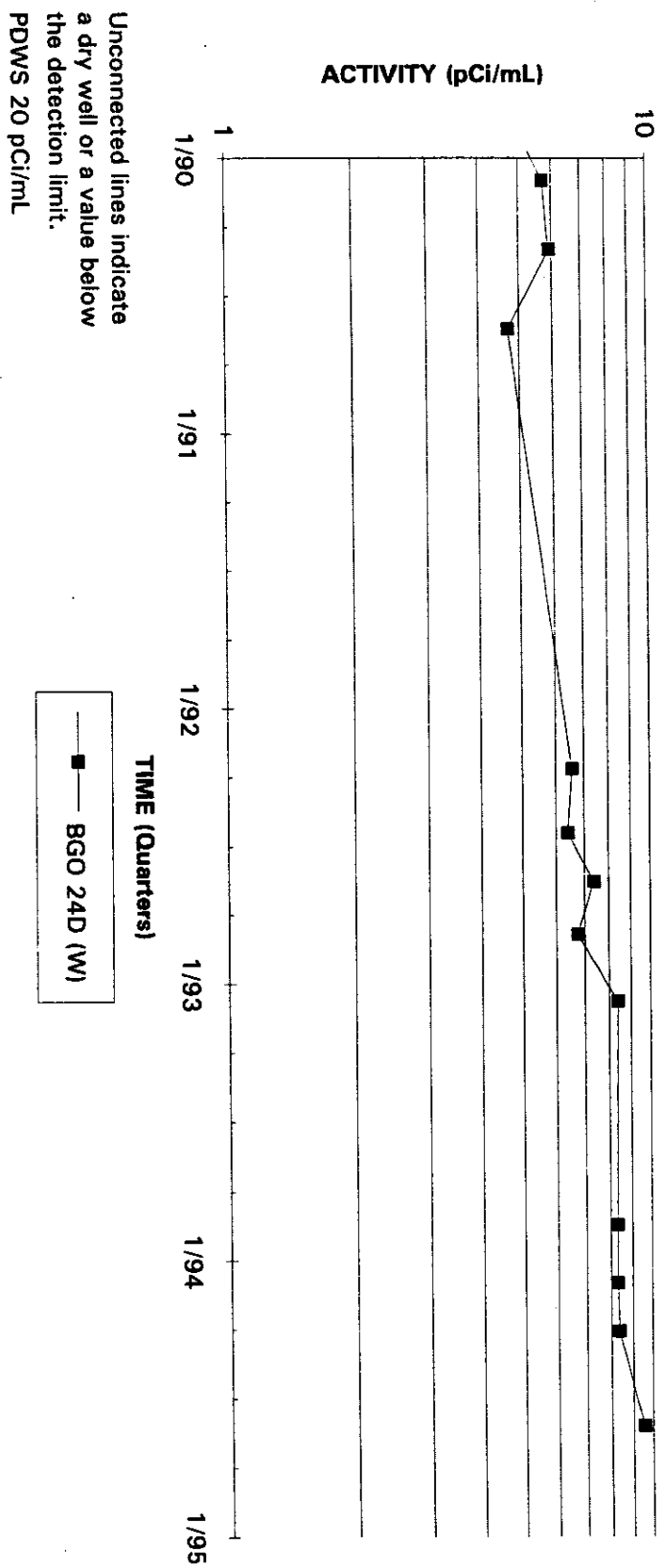


## Tritium Activities Well BGO 23D



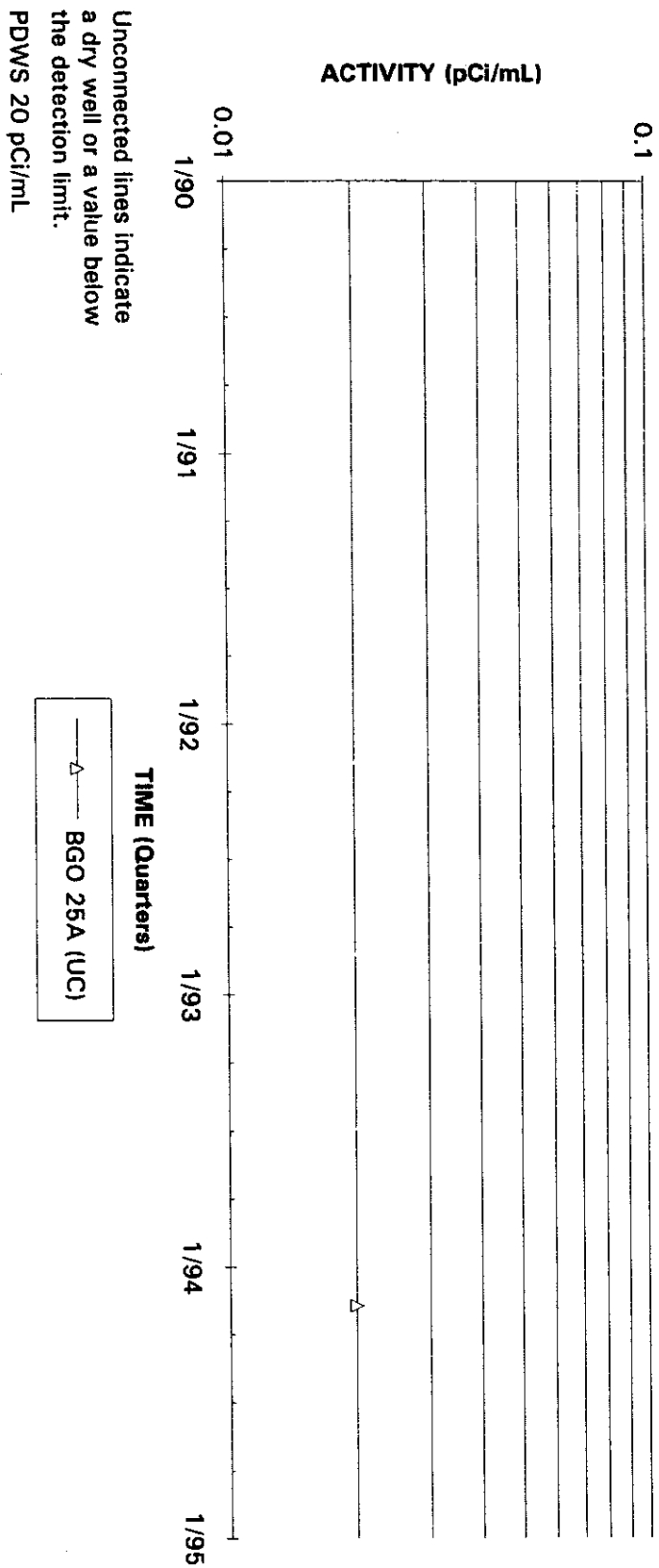
Note: W=Water Table (IIB2); B=Barrowwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well BGO 24D



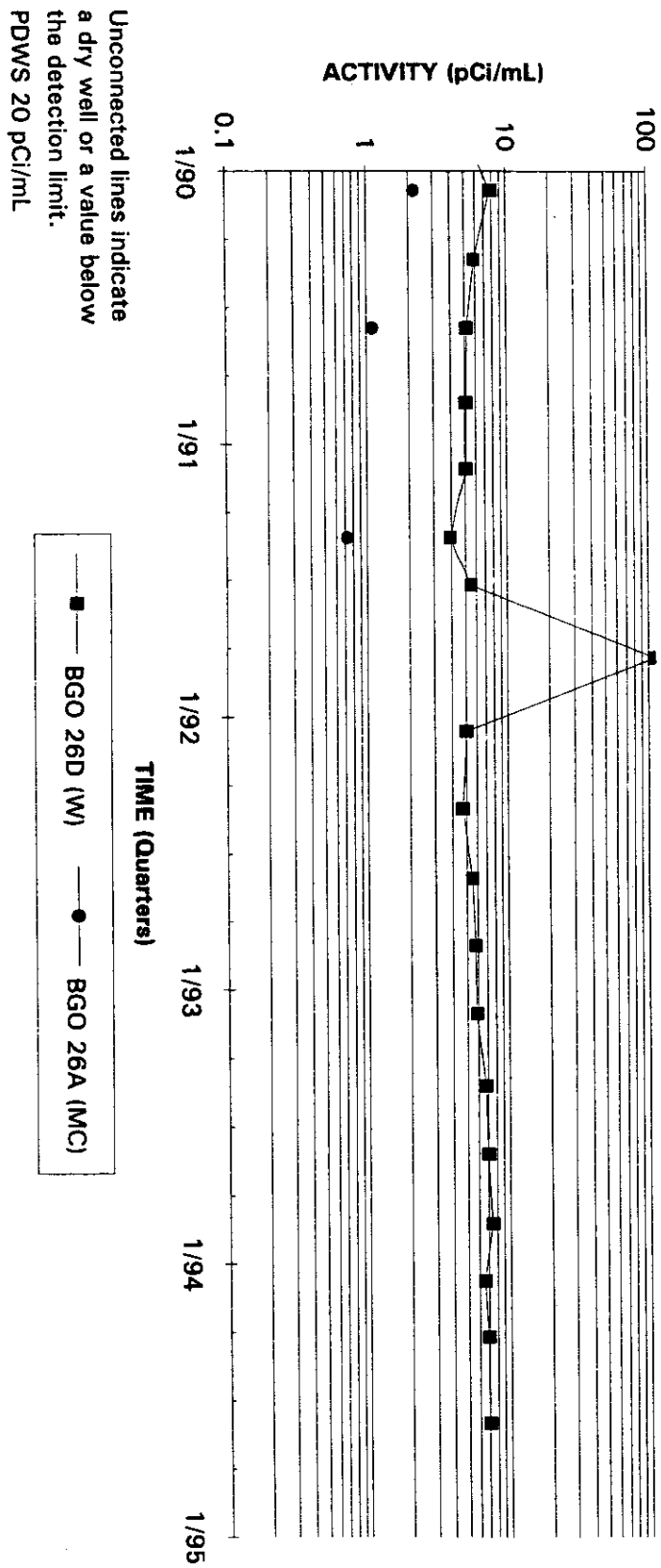
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Tritium Activities Well BGO 25A



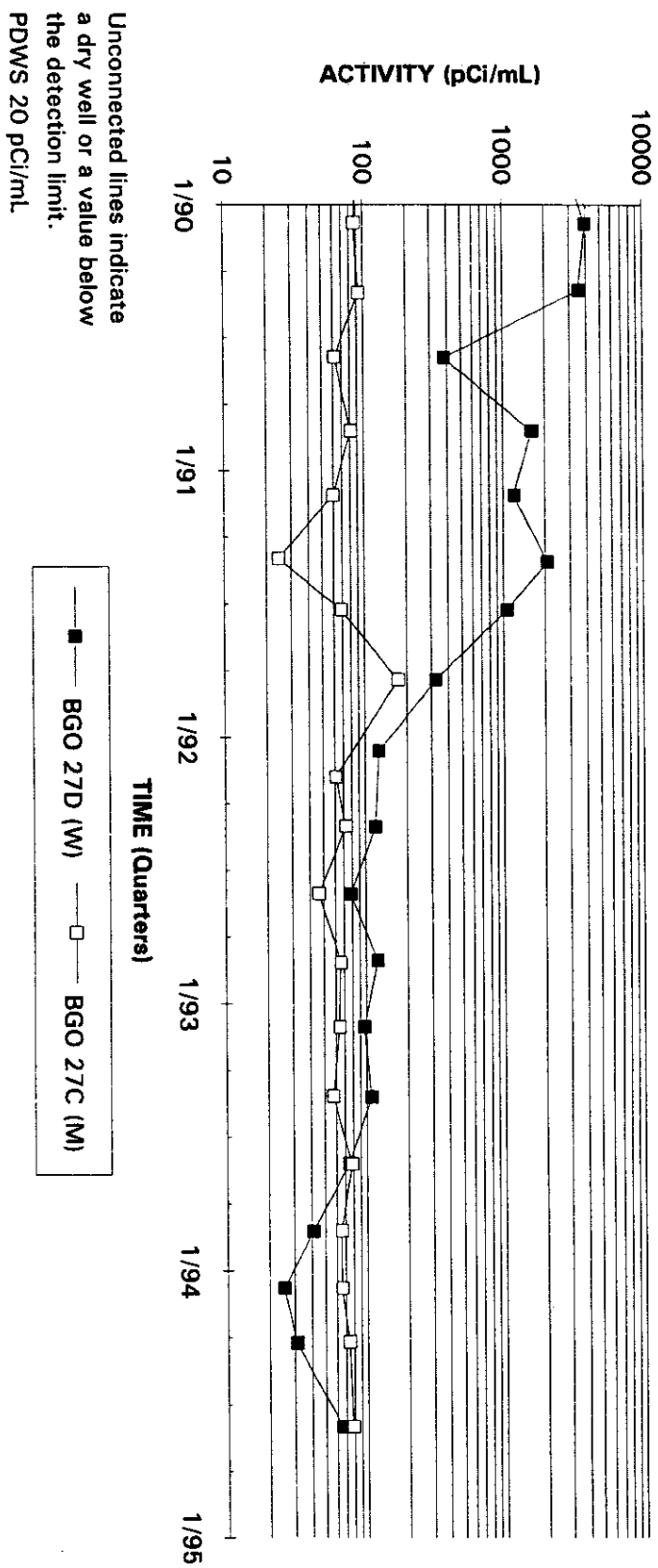
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 26



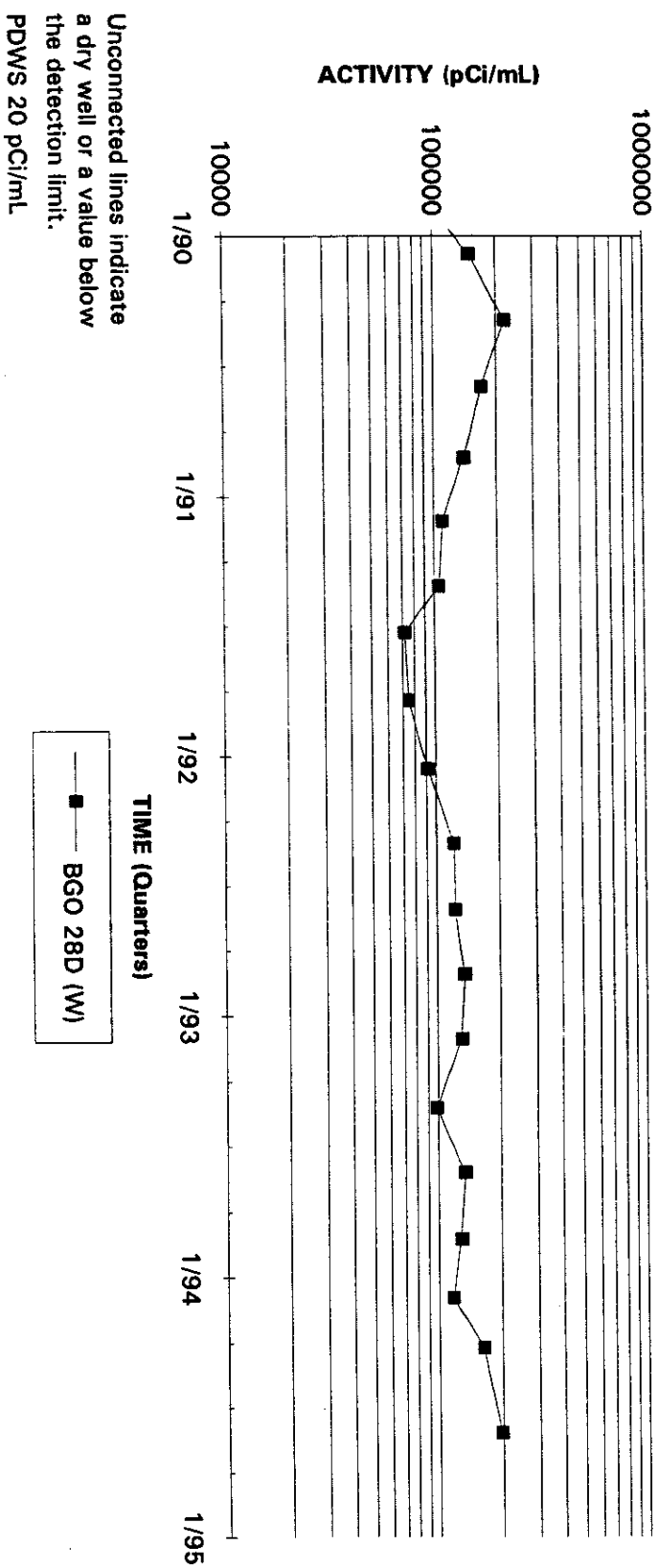
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 27



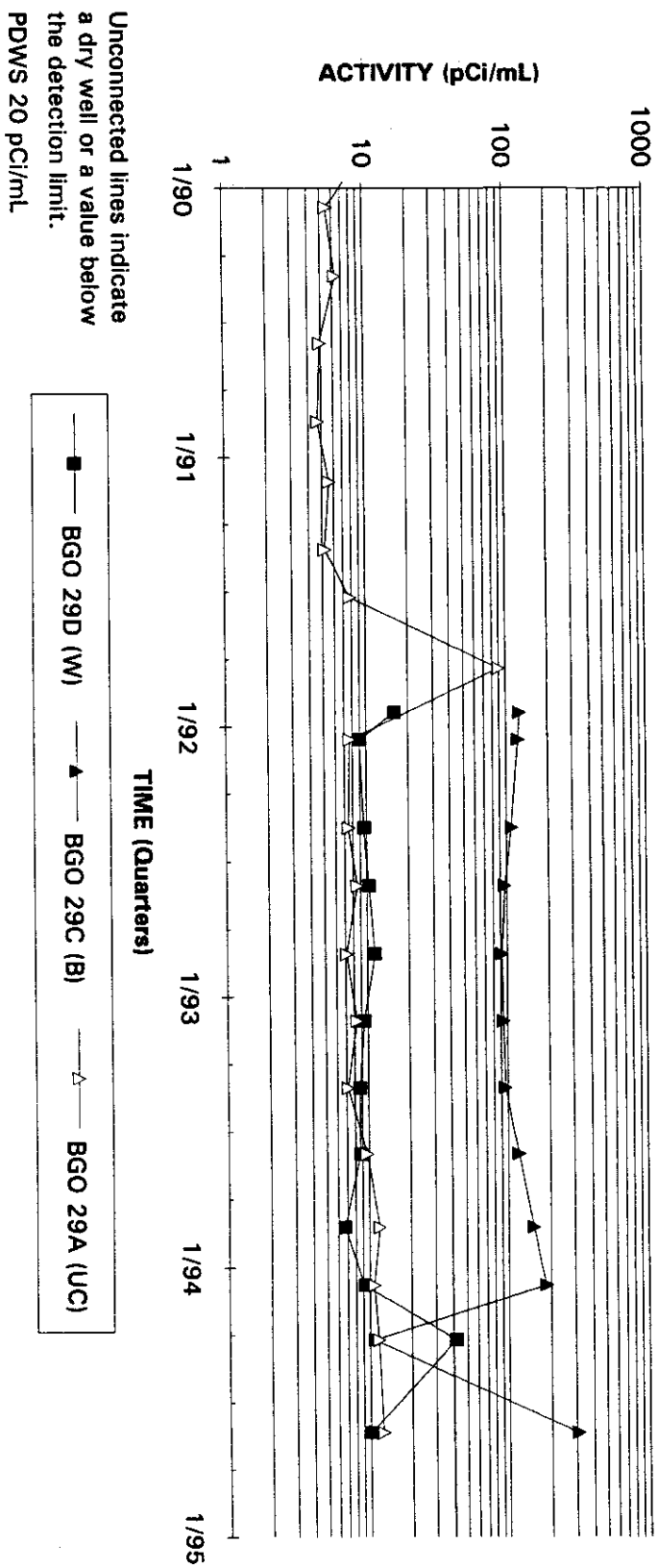
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well BGO 28D



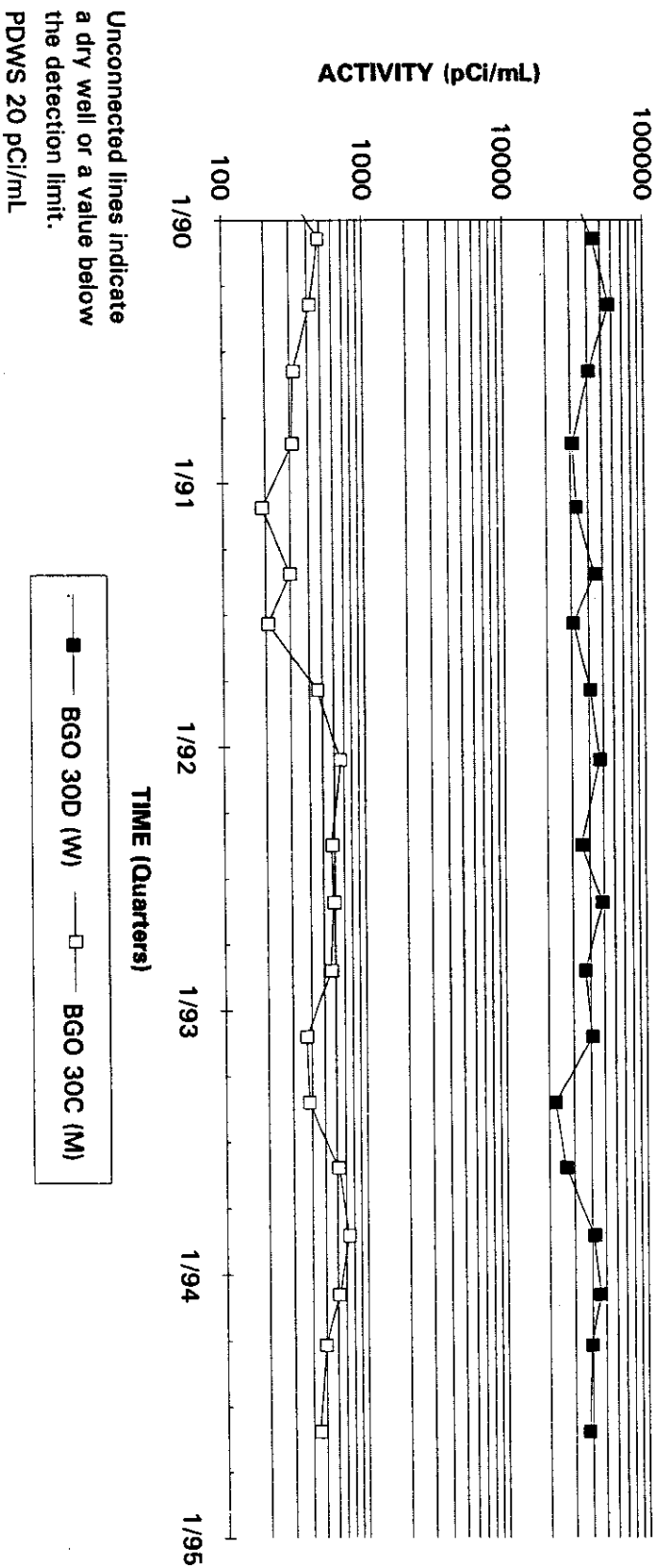
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 29



Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

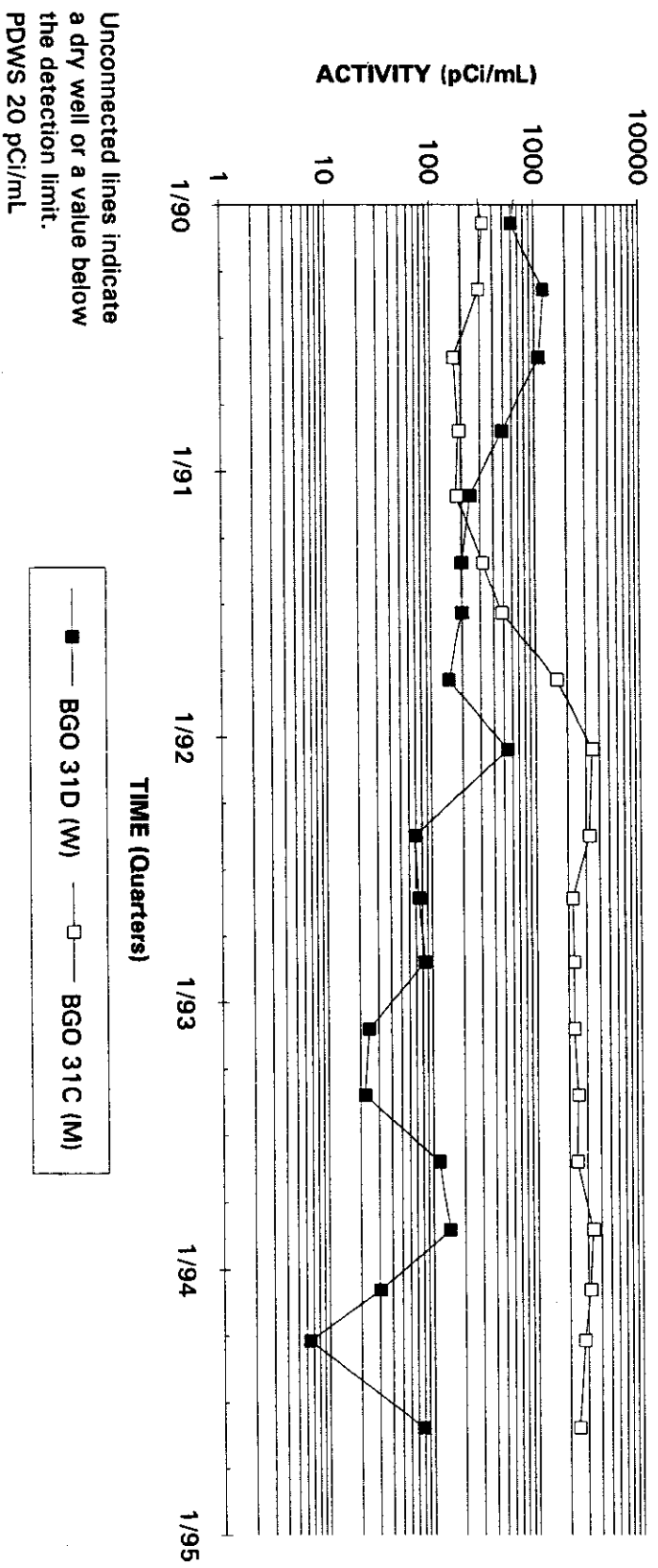
## Tritium Activities Well Cluster BGO 30



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

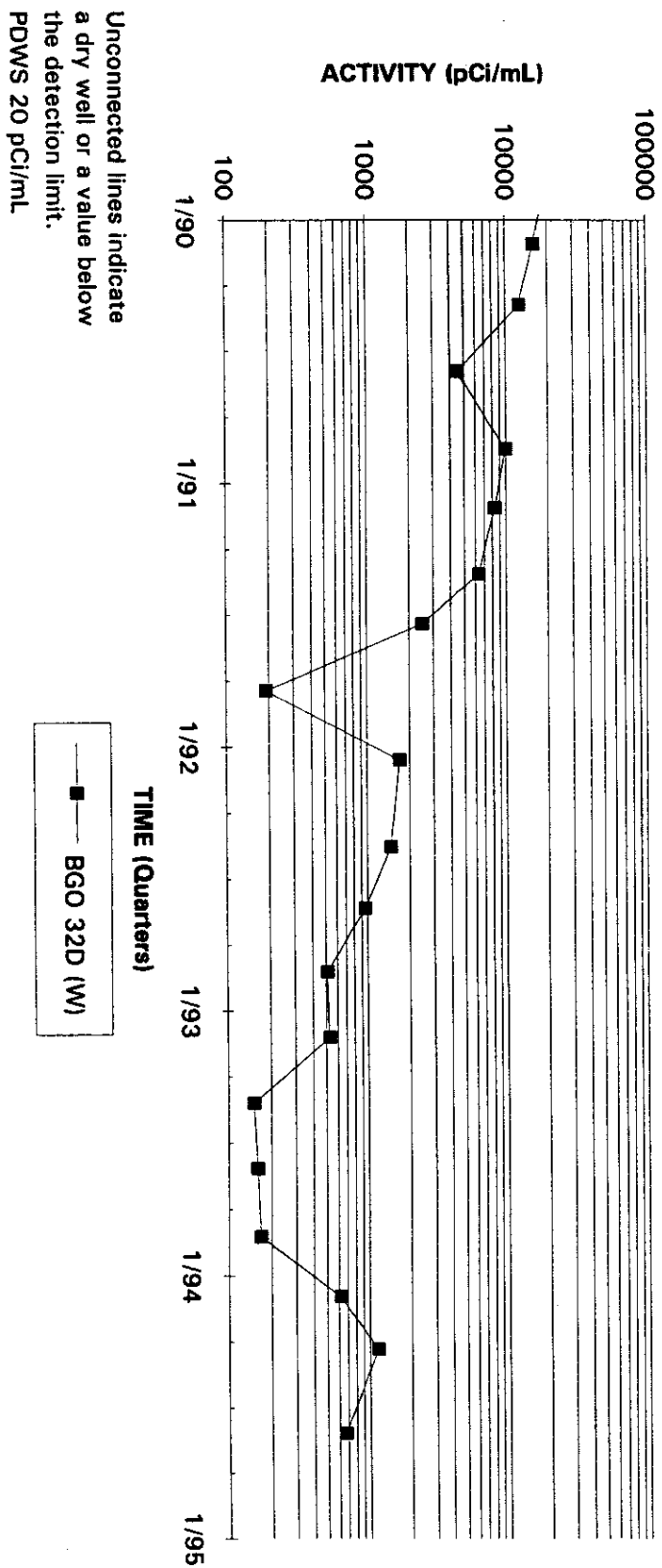


# Tritium Activities Well Cluster BGO 31



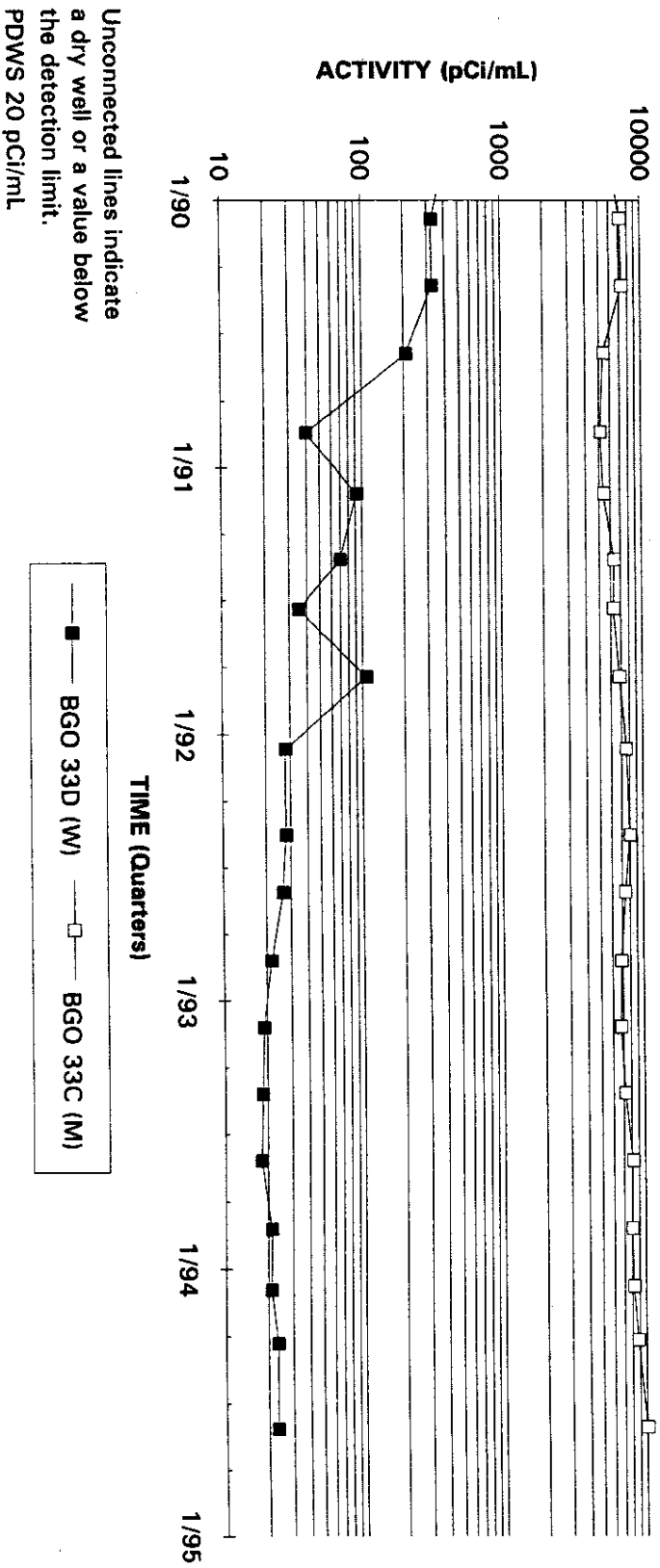
Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

## Tritium Activities Well BGO 32D



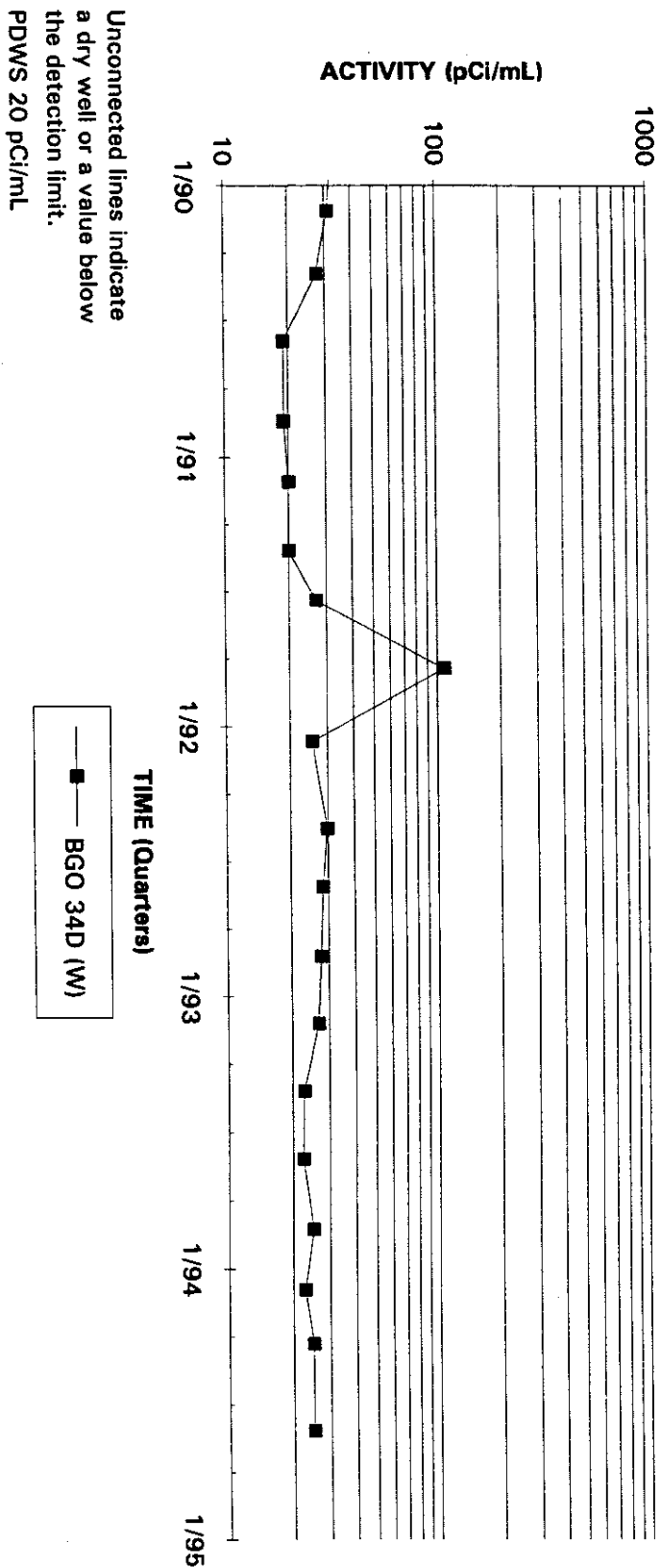
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 33



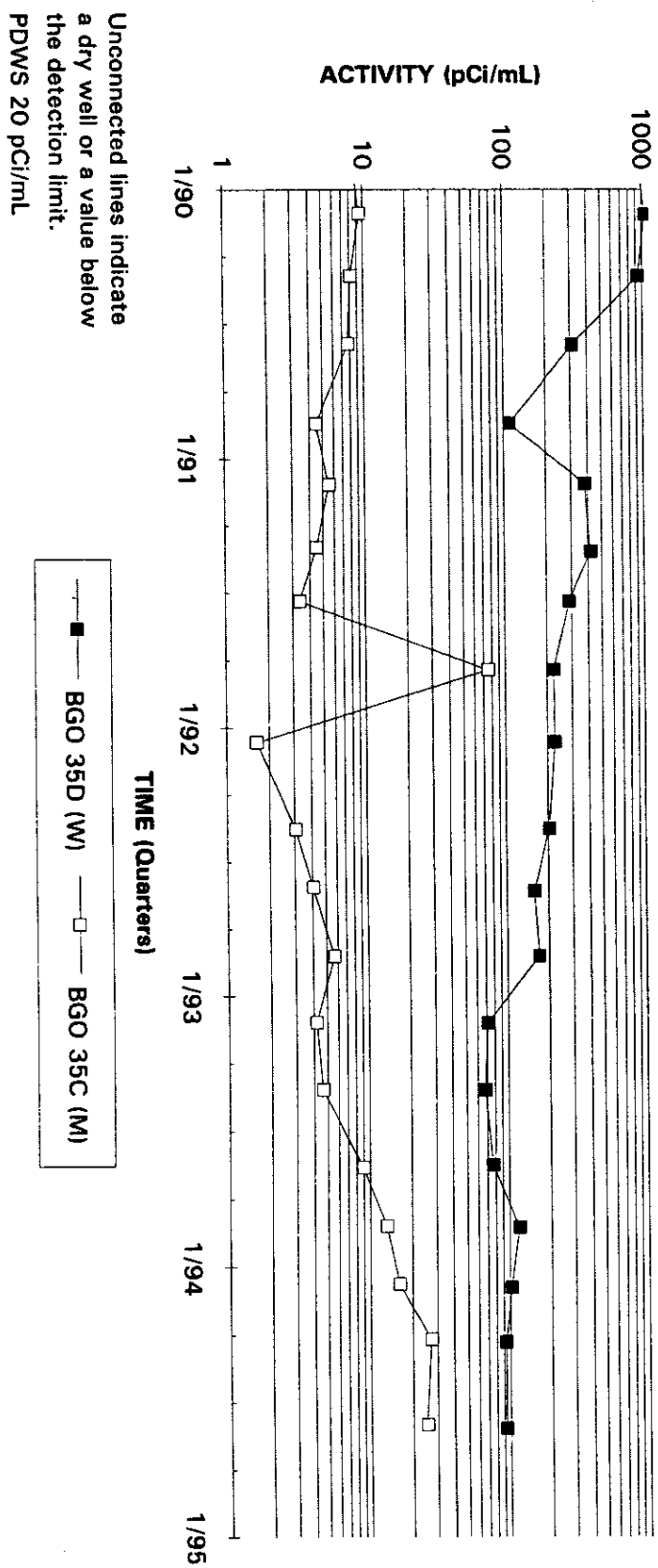
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well BGO 34D



Note: W=Water Table (IIB2); B=Barrowell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

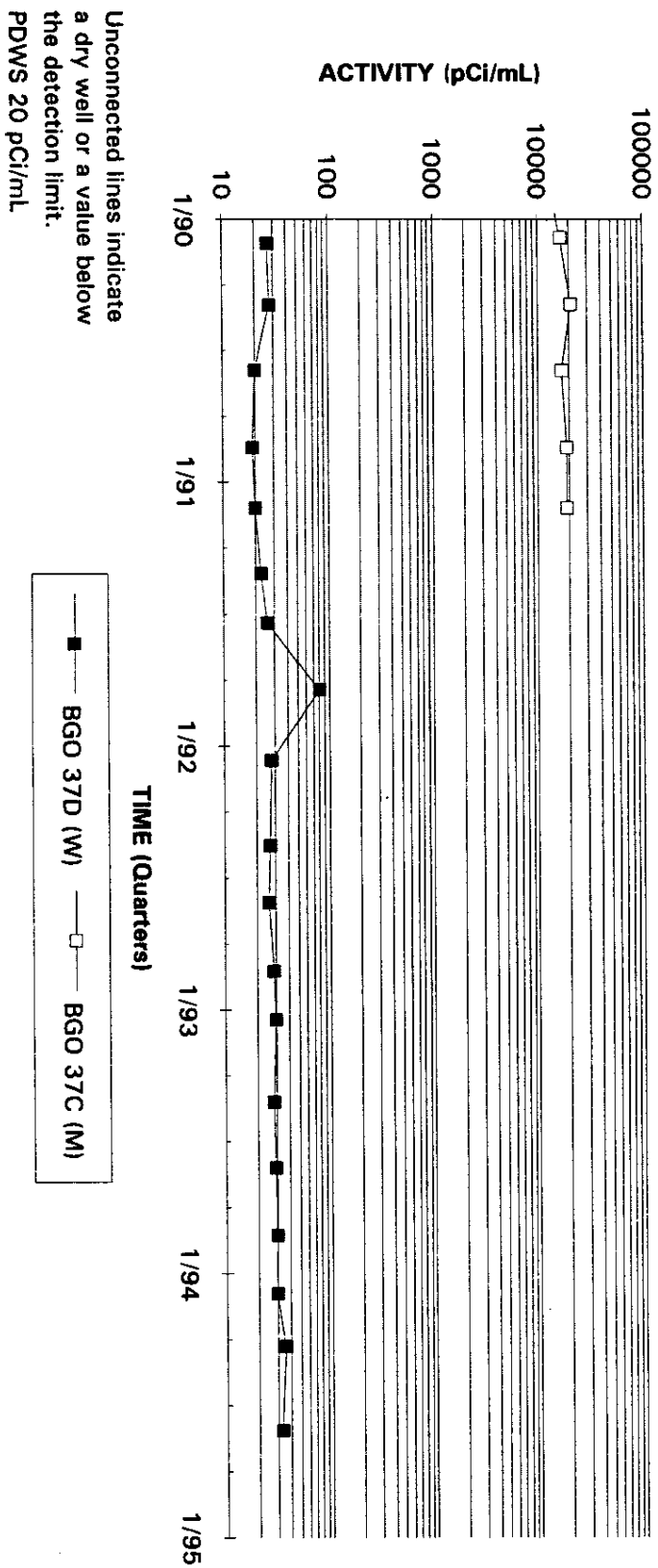
# Tritium Activities Well Cluster BGO 35



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

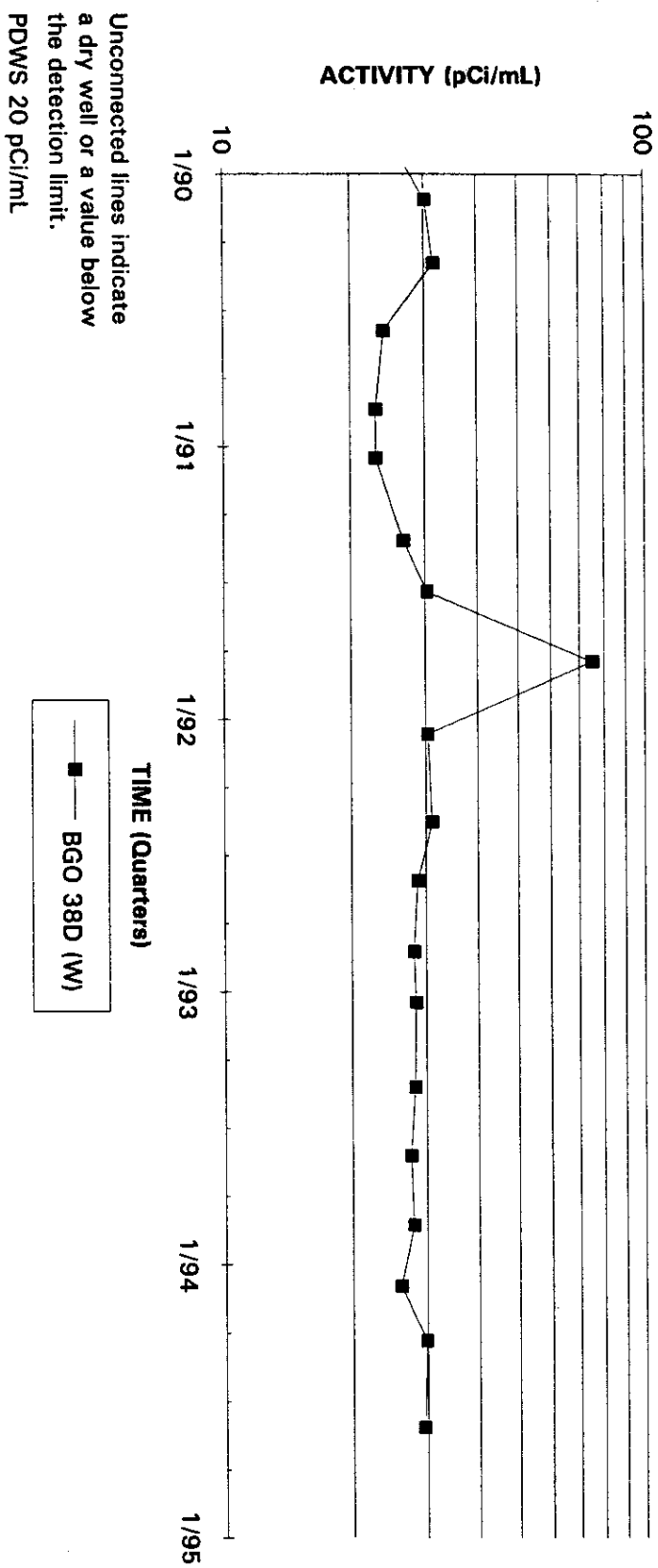


## Tritium Activities Well Cluster BGO 37



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

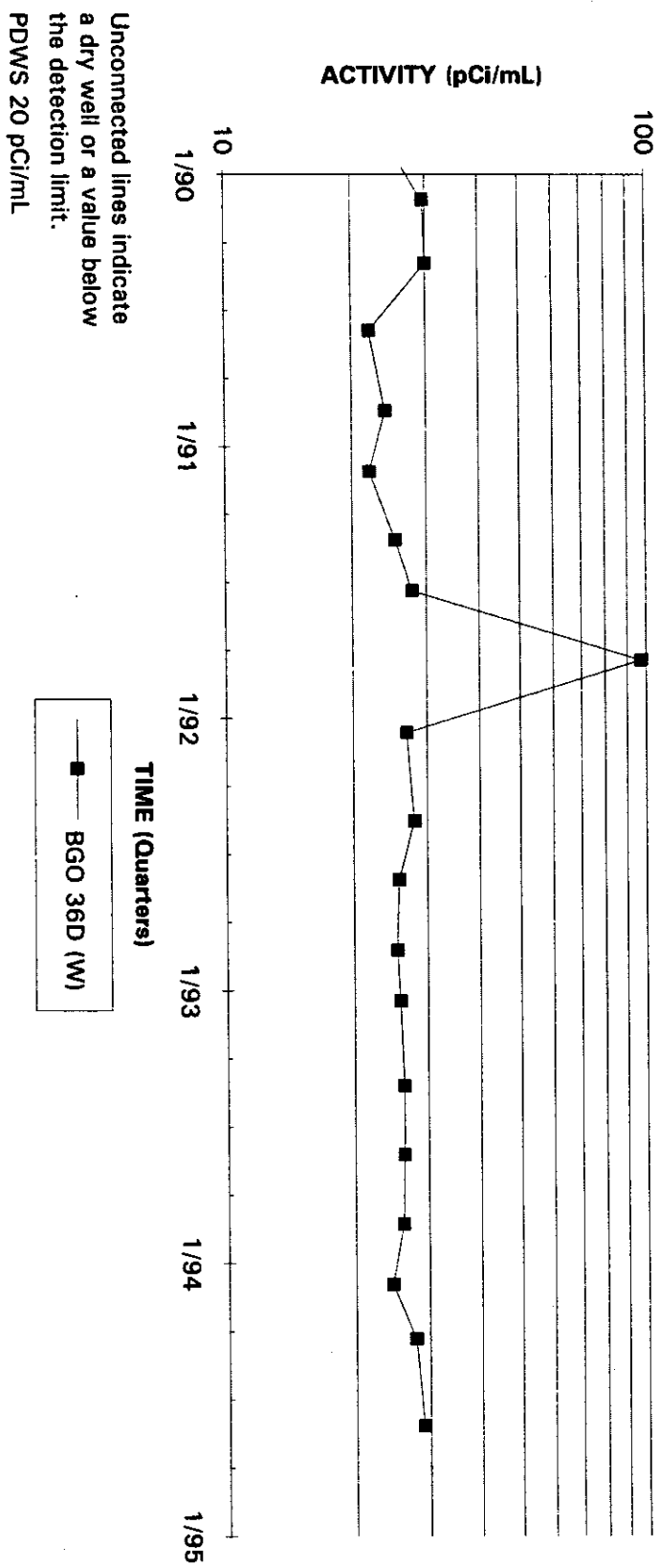
## Tritium Activities Well BGO 38D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

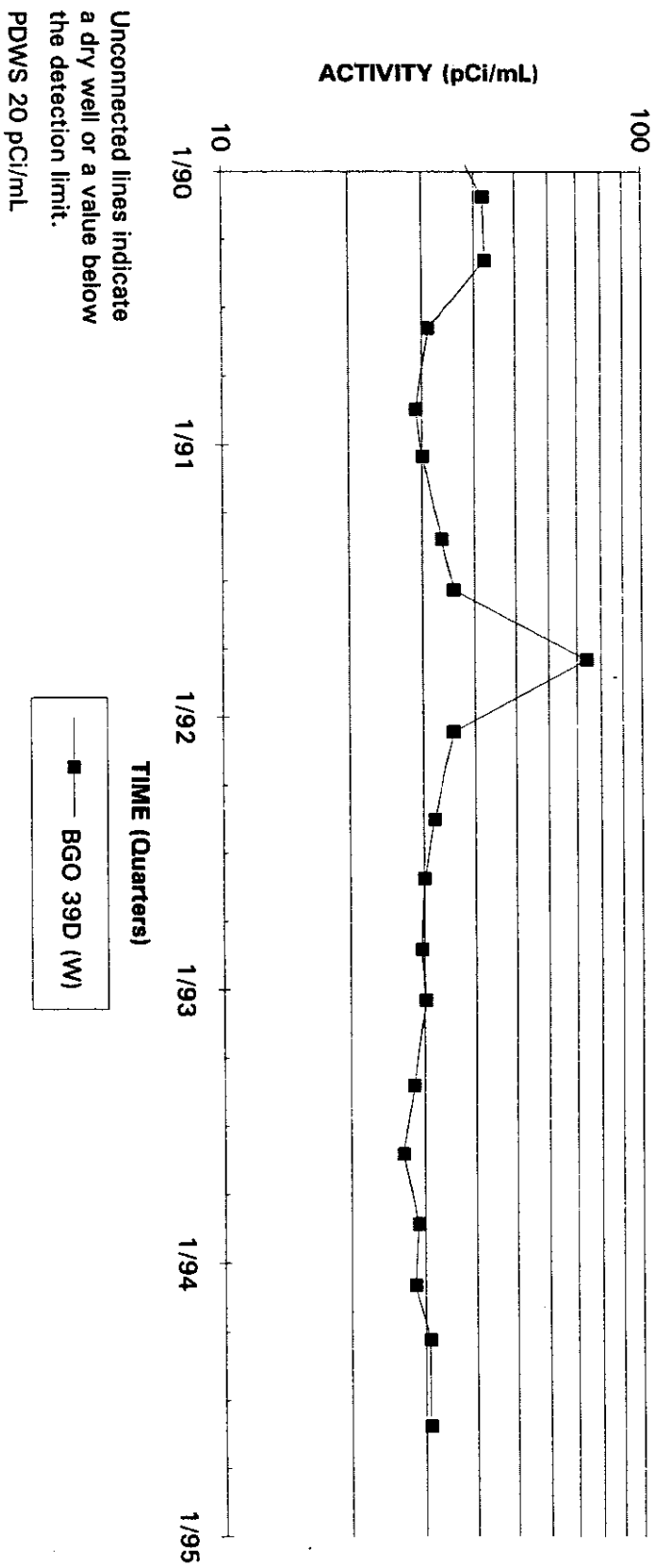


## Tritium Activities Well BGO 36D



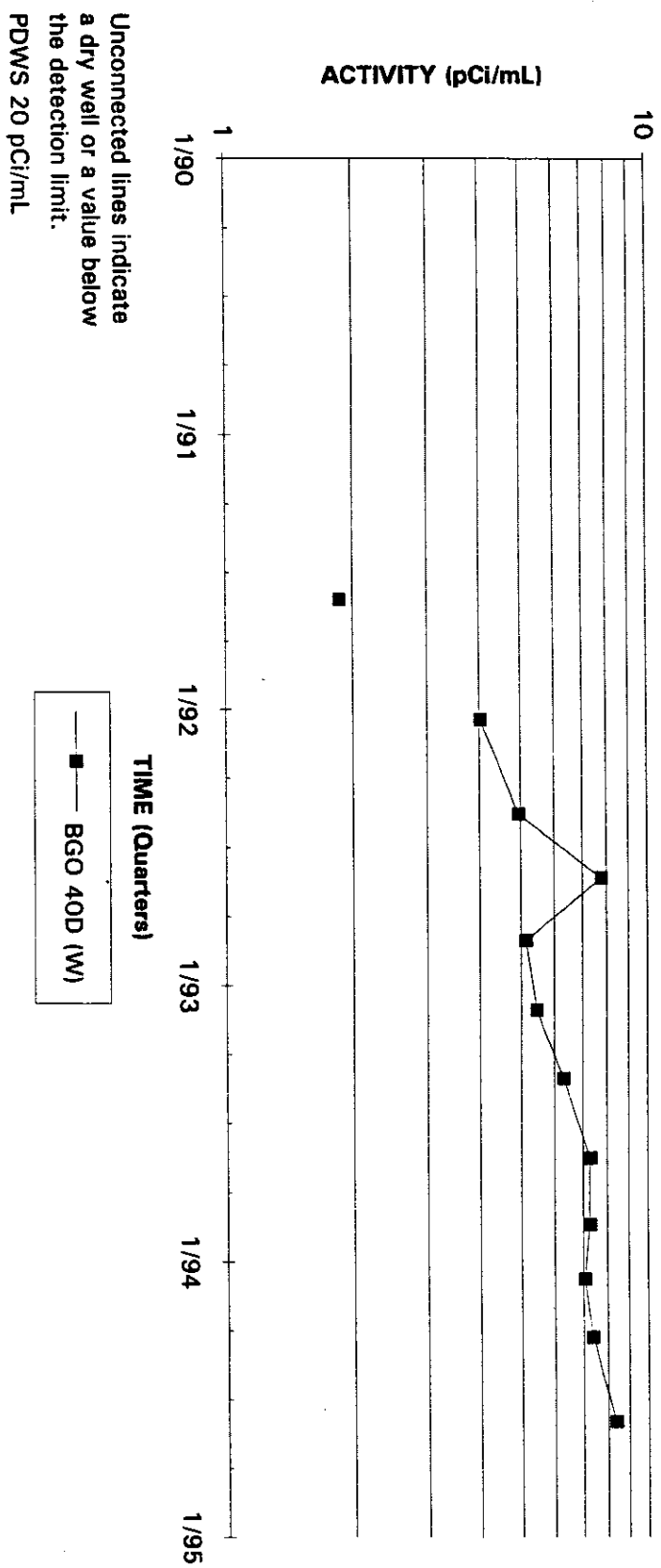
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Tritium Activities Well 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)

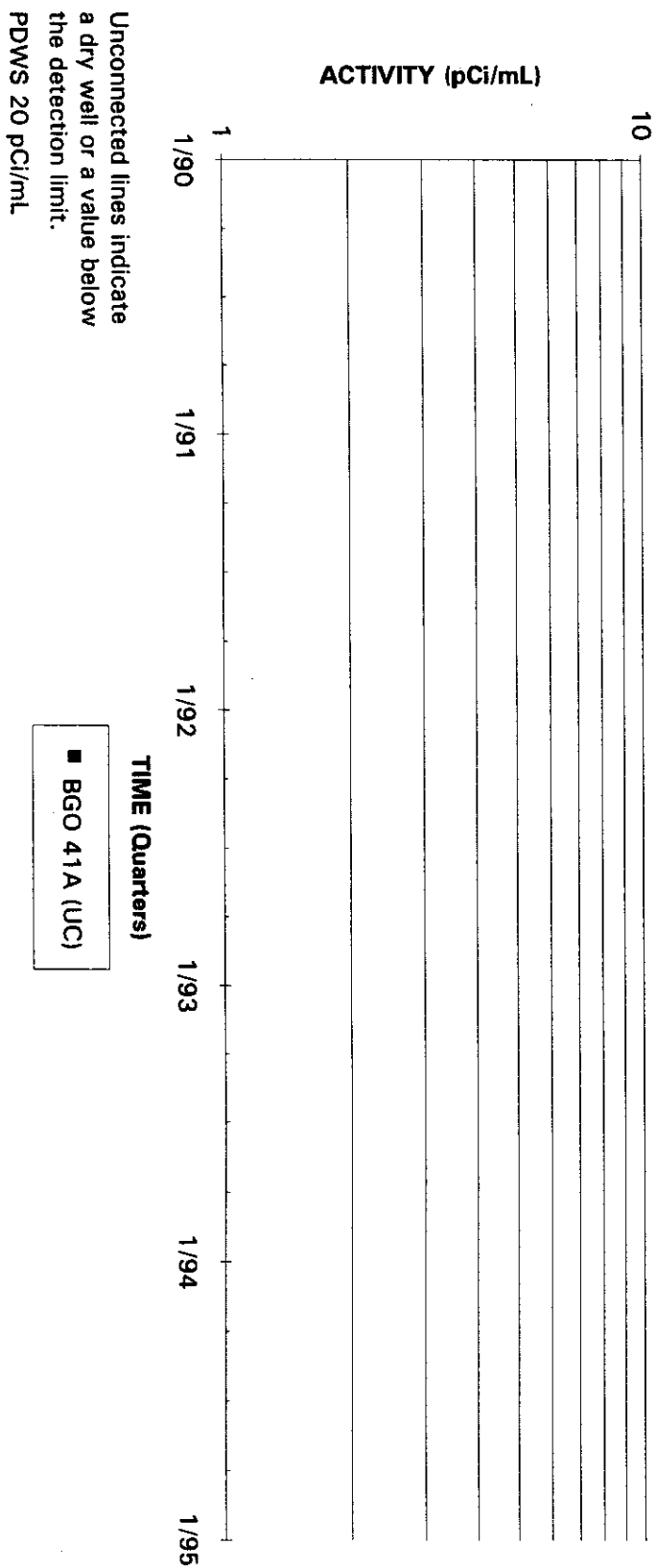
## Tritium Activities Well BGO 40D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

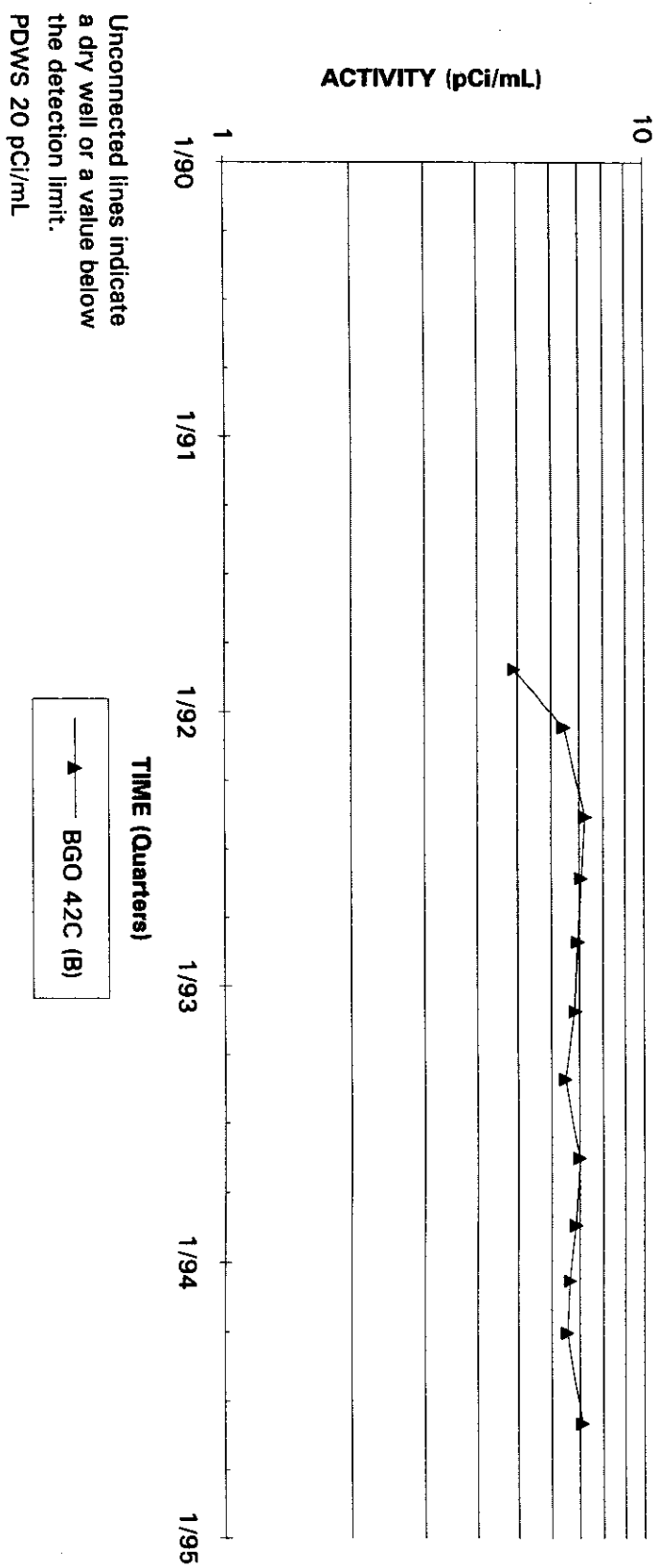
MWA

## Tritium Activities Well BGO 41A



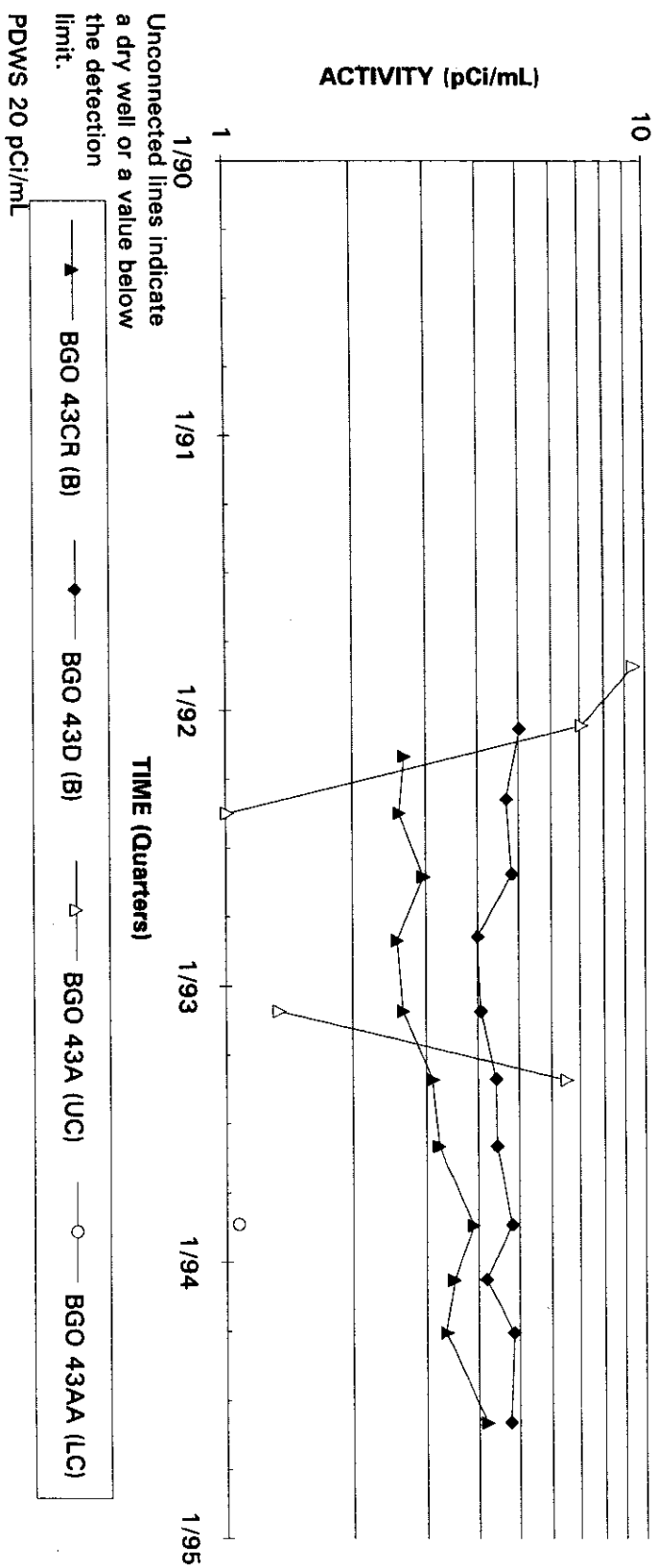
Note: W=Water Table (IIB2); B=Barrow (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well BGO 42C



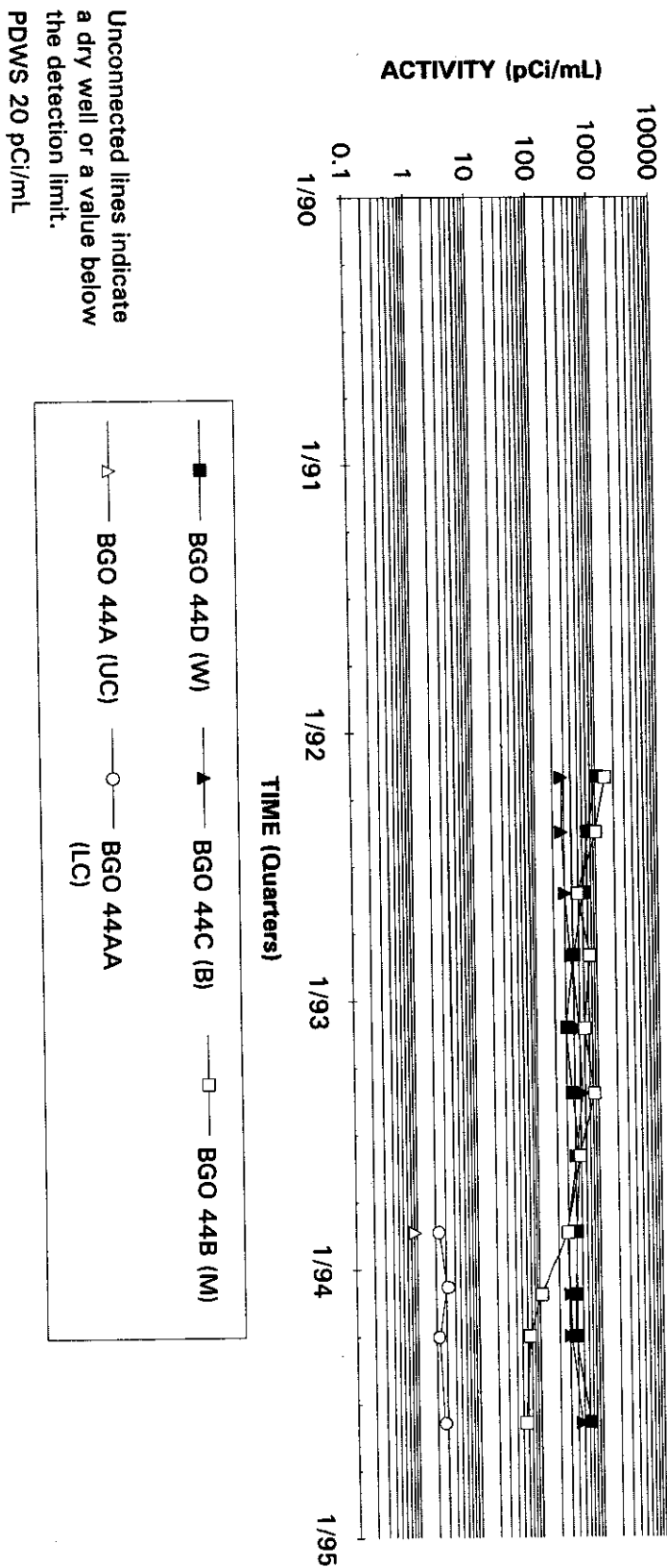
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 43



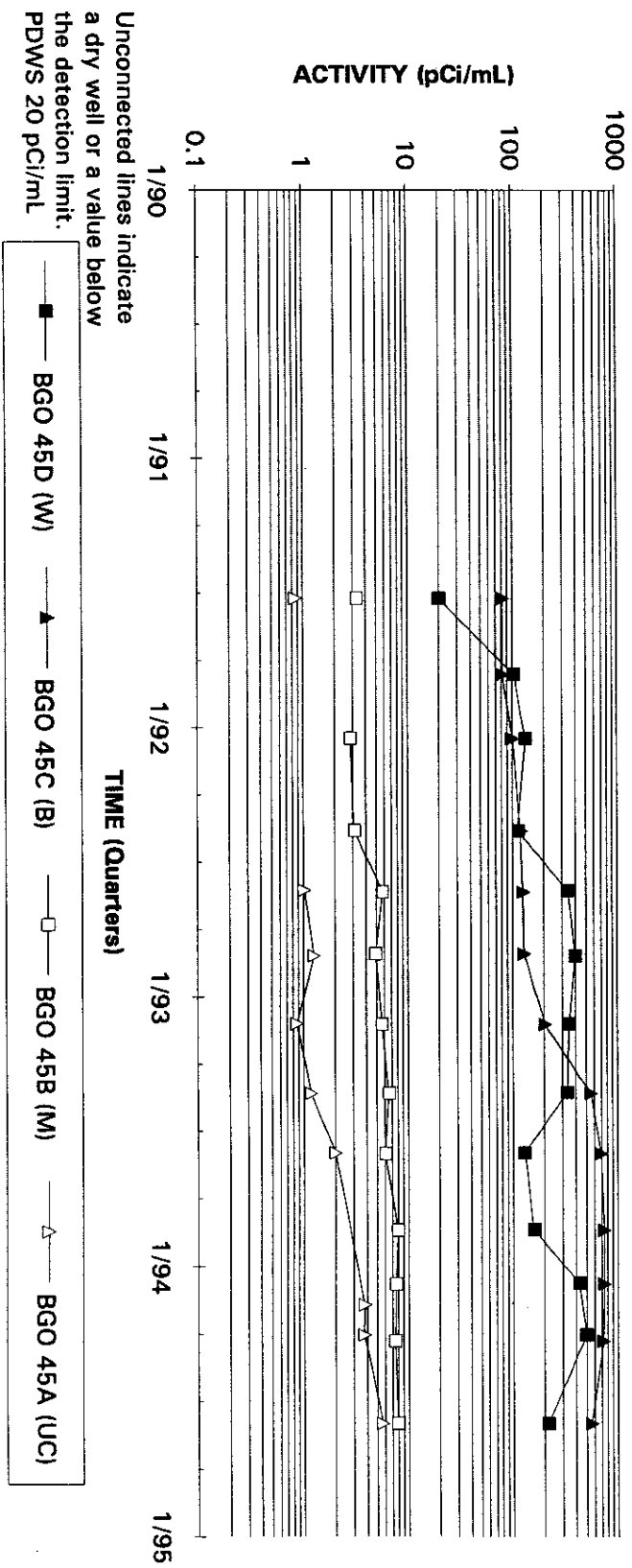
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## 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)

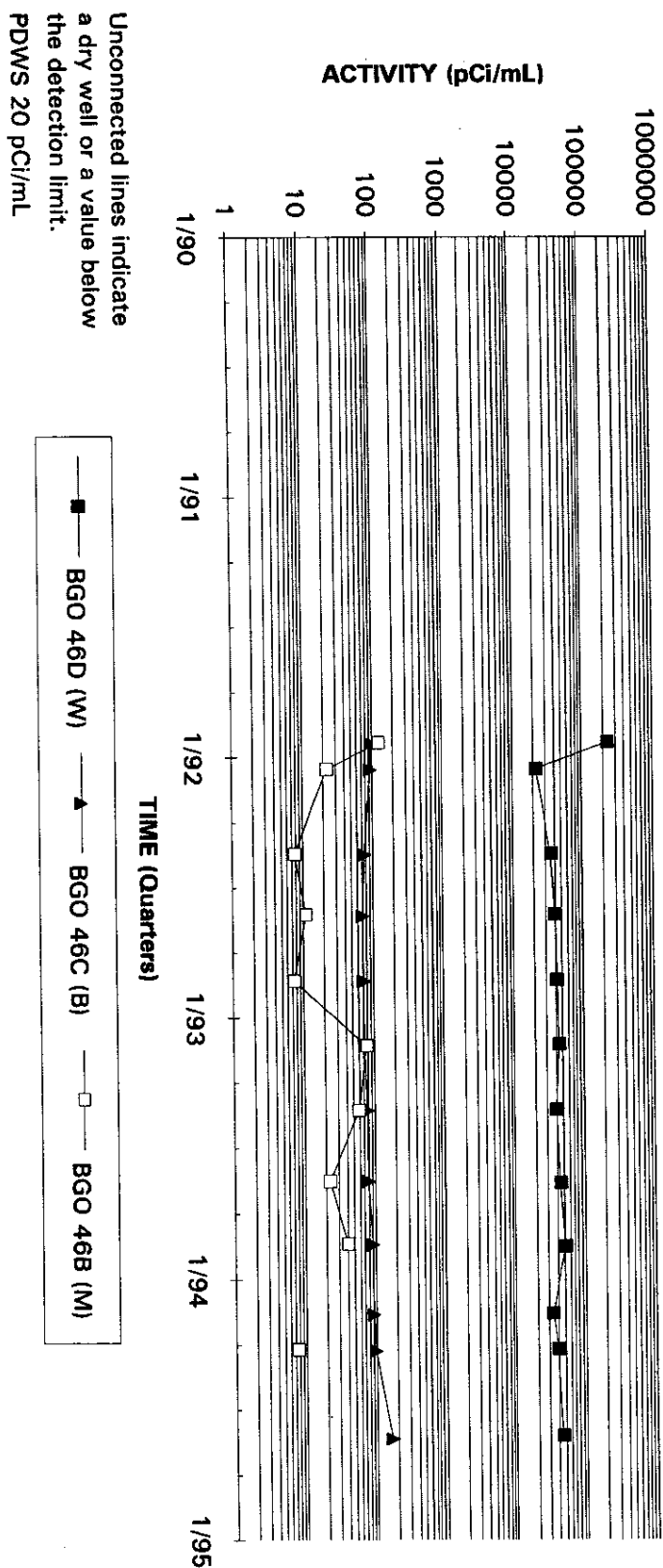
## Tritium Activities Well Cluster BGO 45



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

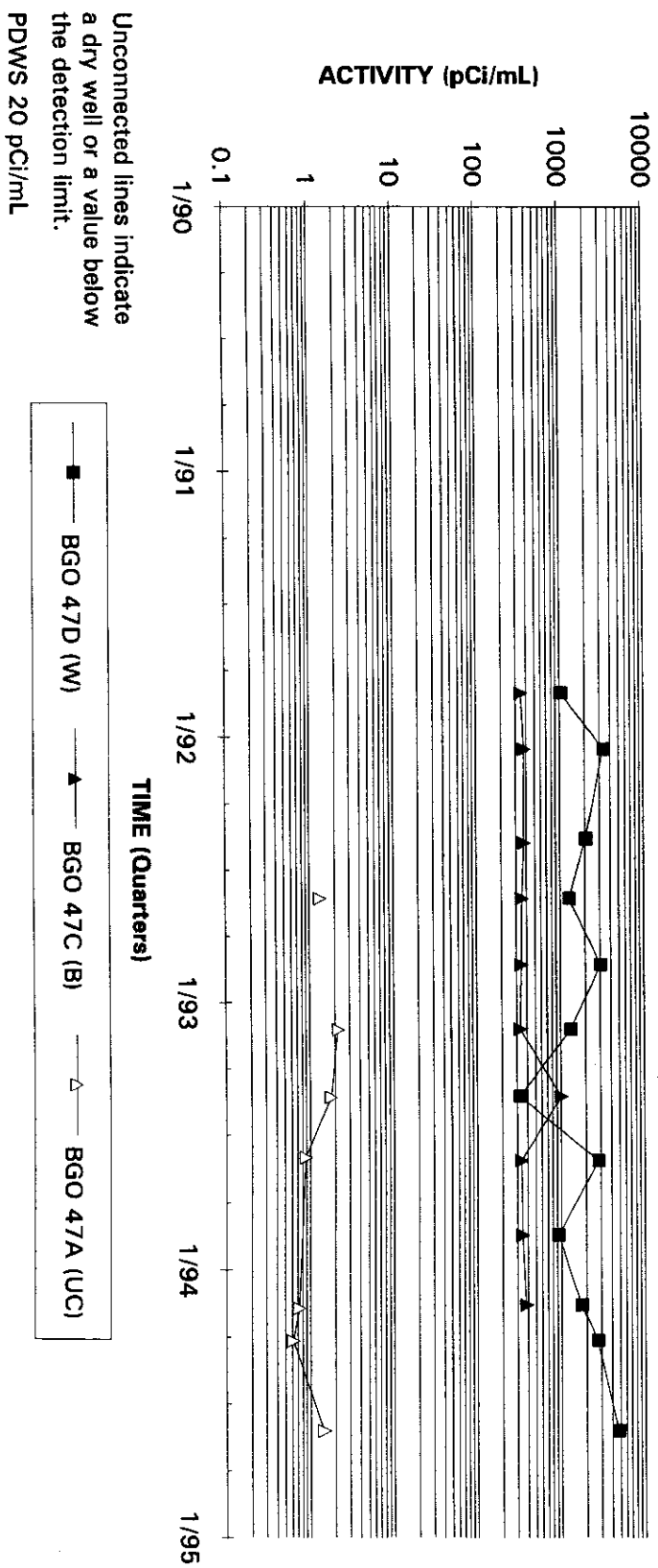


## Tritium Activities Well Cluster BGO 46



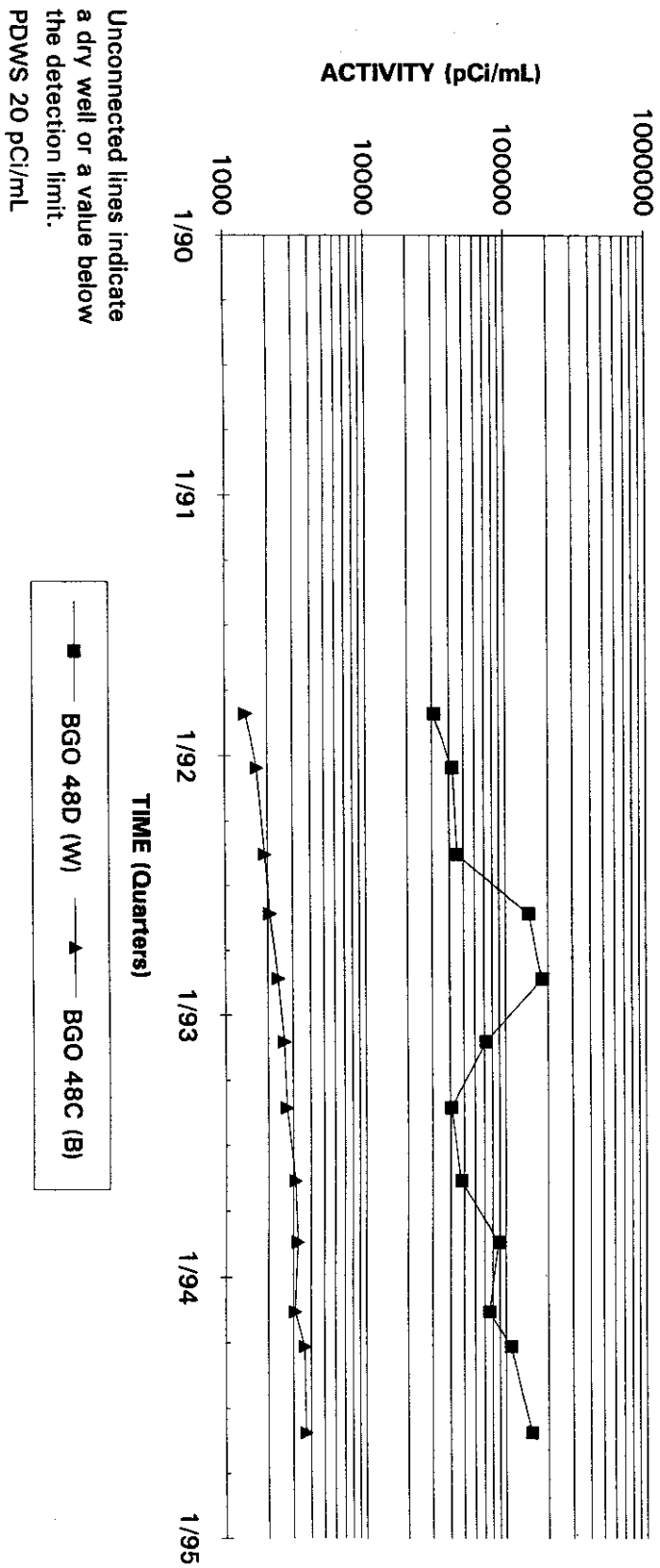
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 47



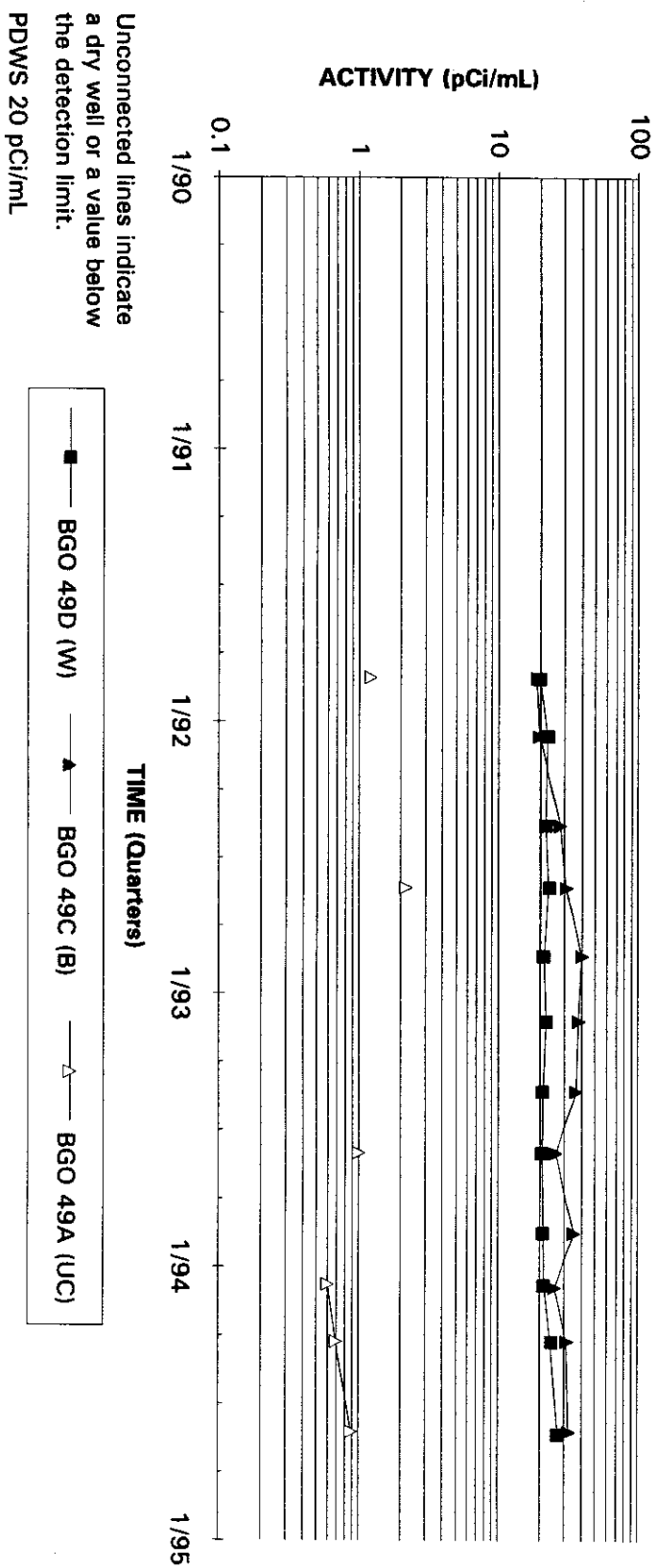
Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Tritium Activities Well Cluster BGO 48



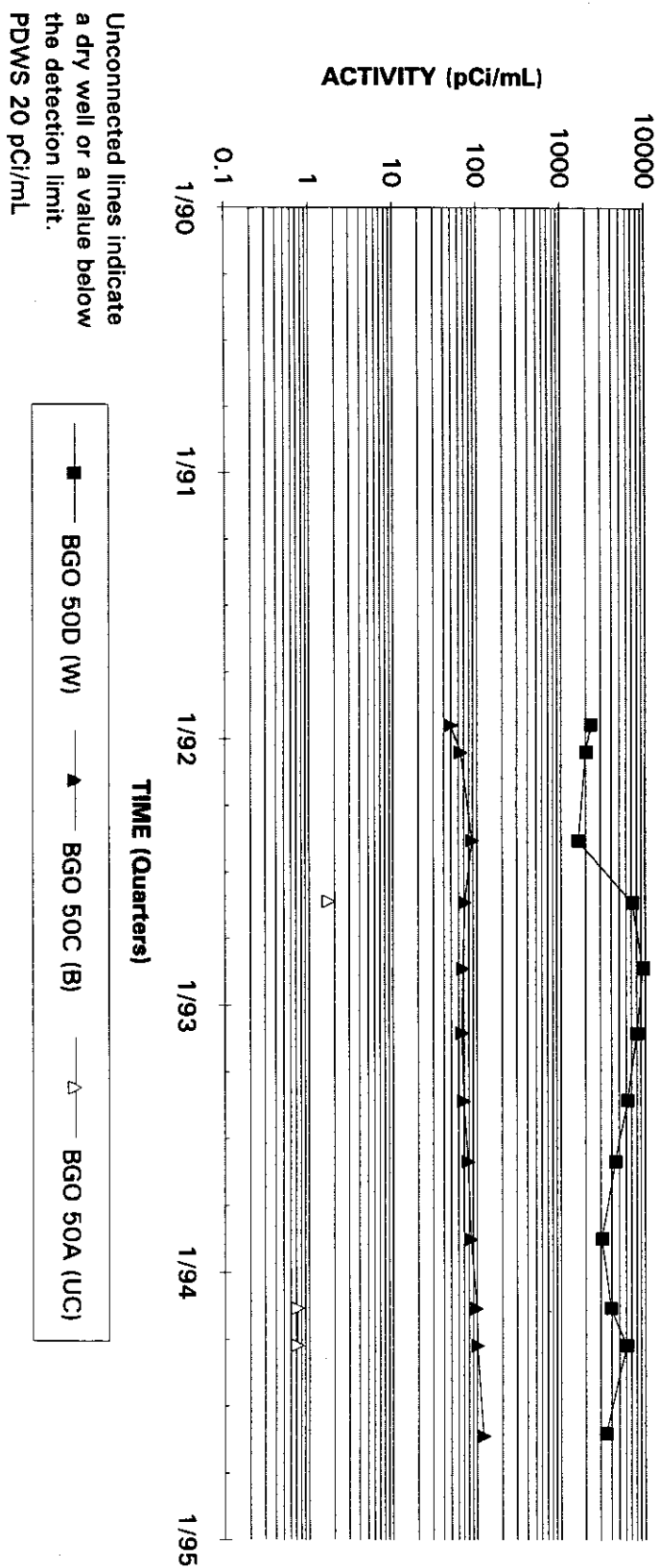
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 49



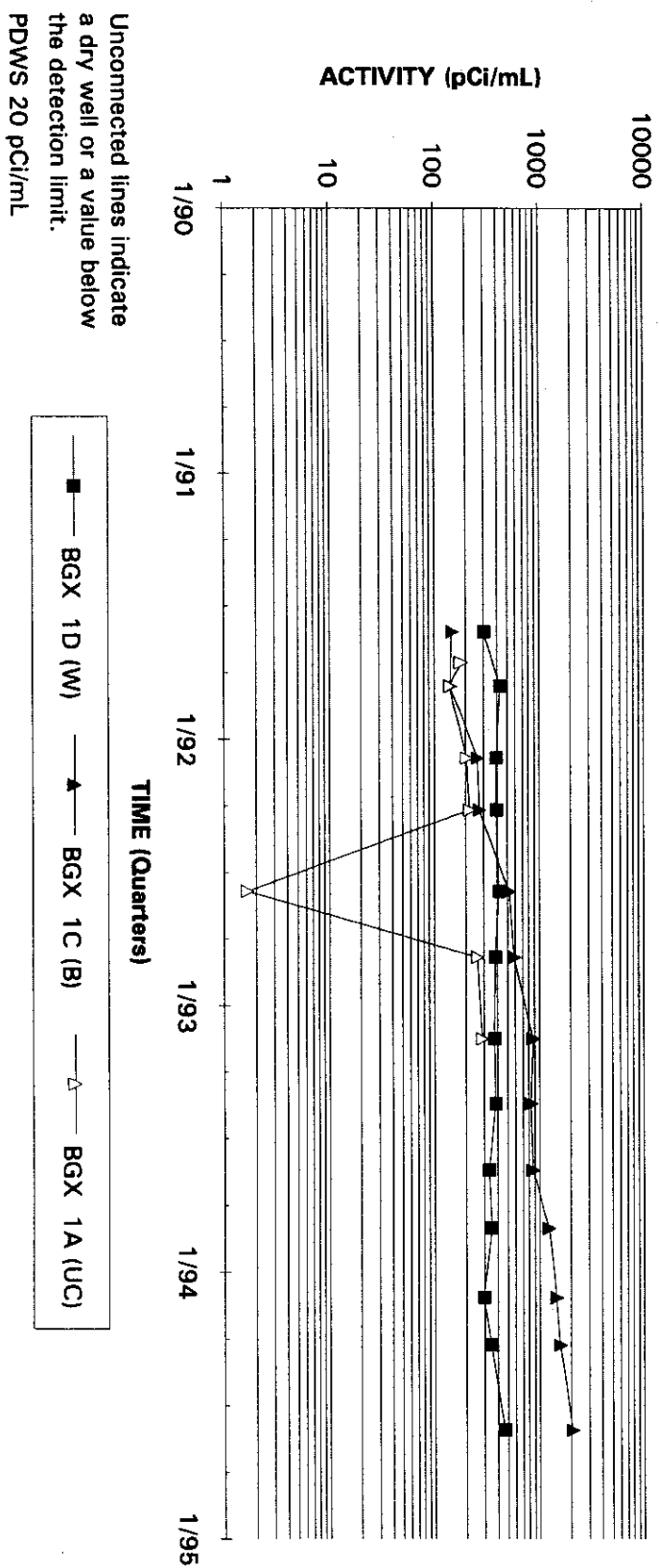
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGO 50



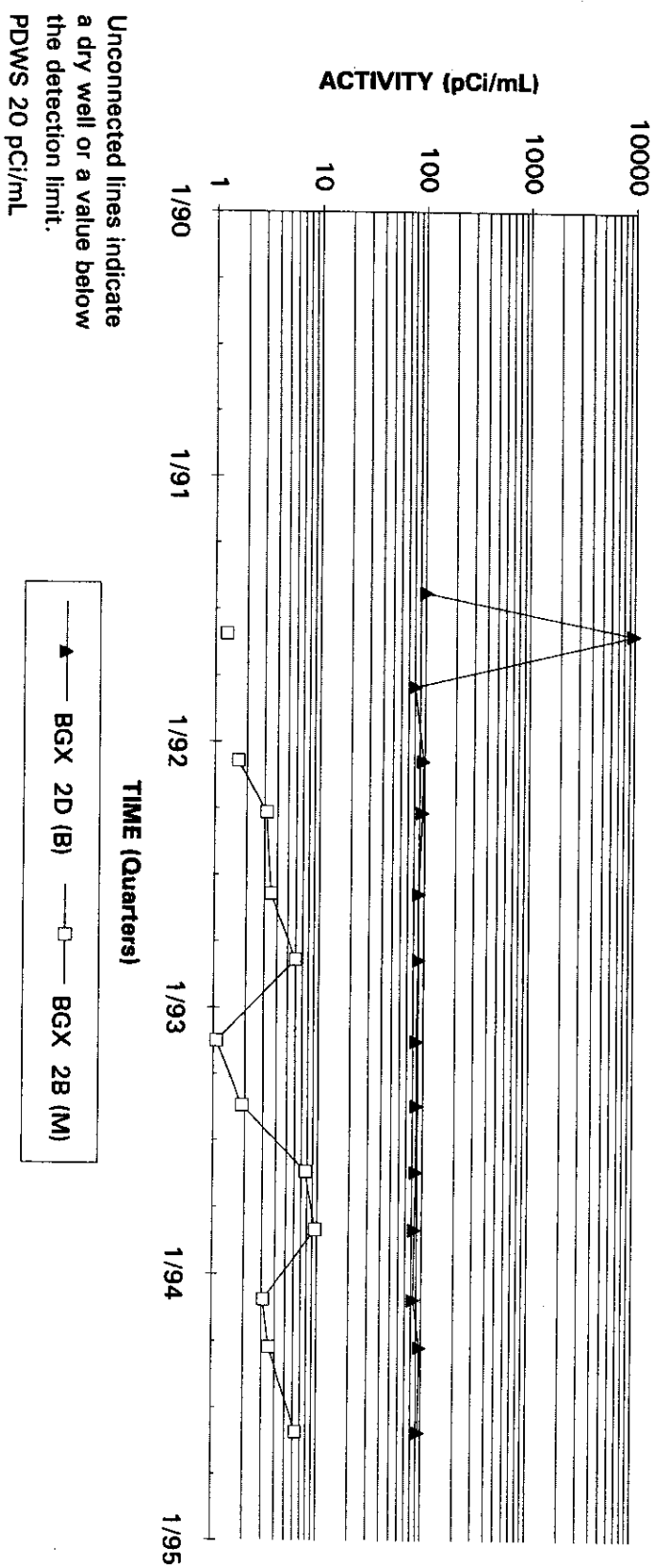
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Tritium Activities Well Cluster BGX 1



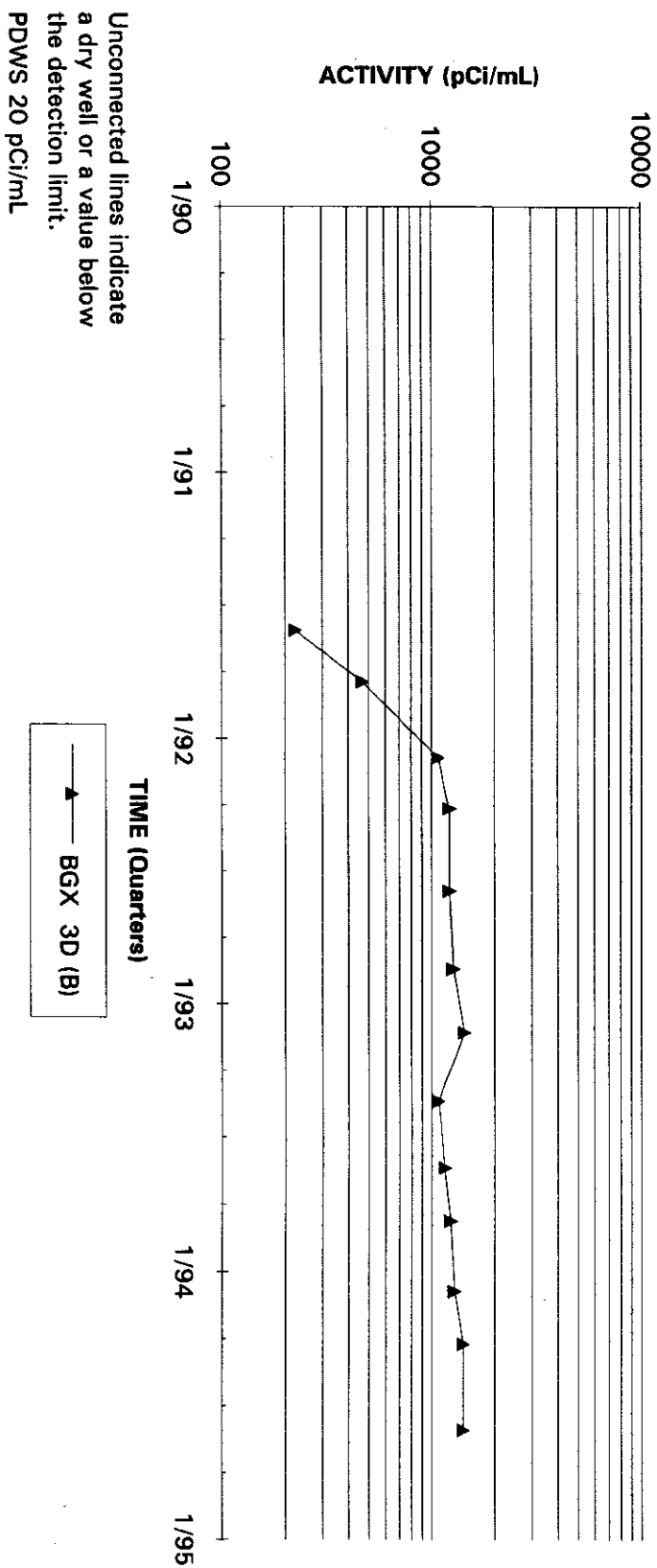
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGX 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



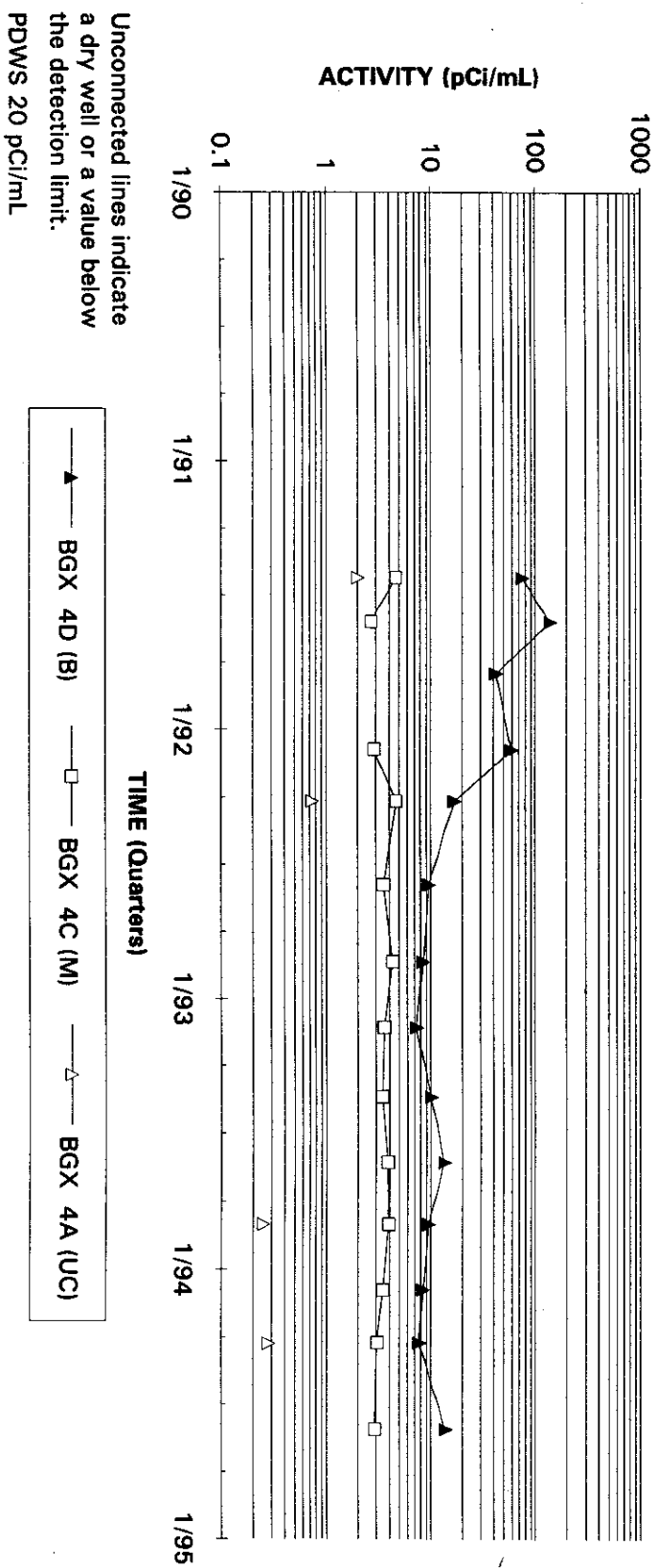
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MMMF

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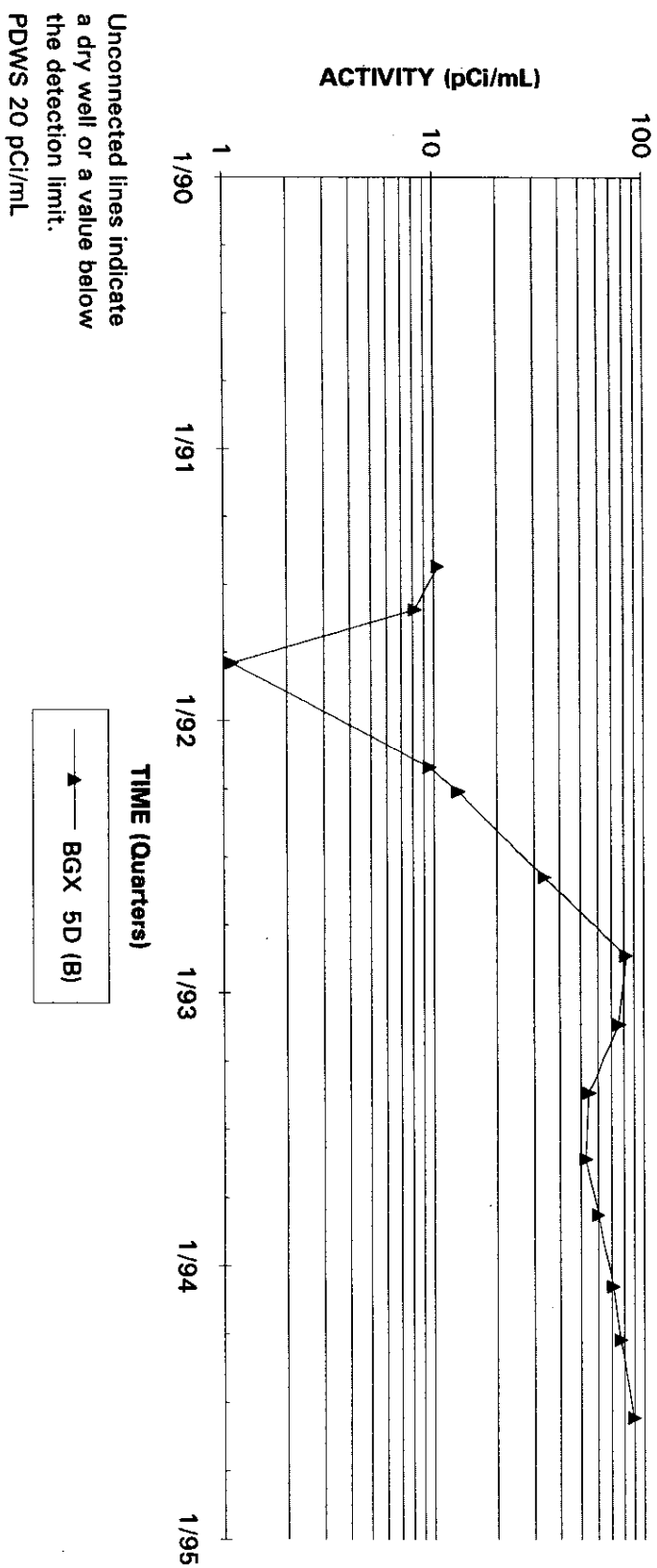


## Tritium Activities Well Cluster BGX 4



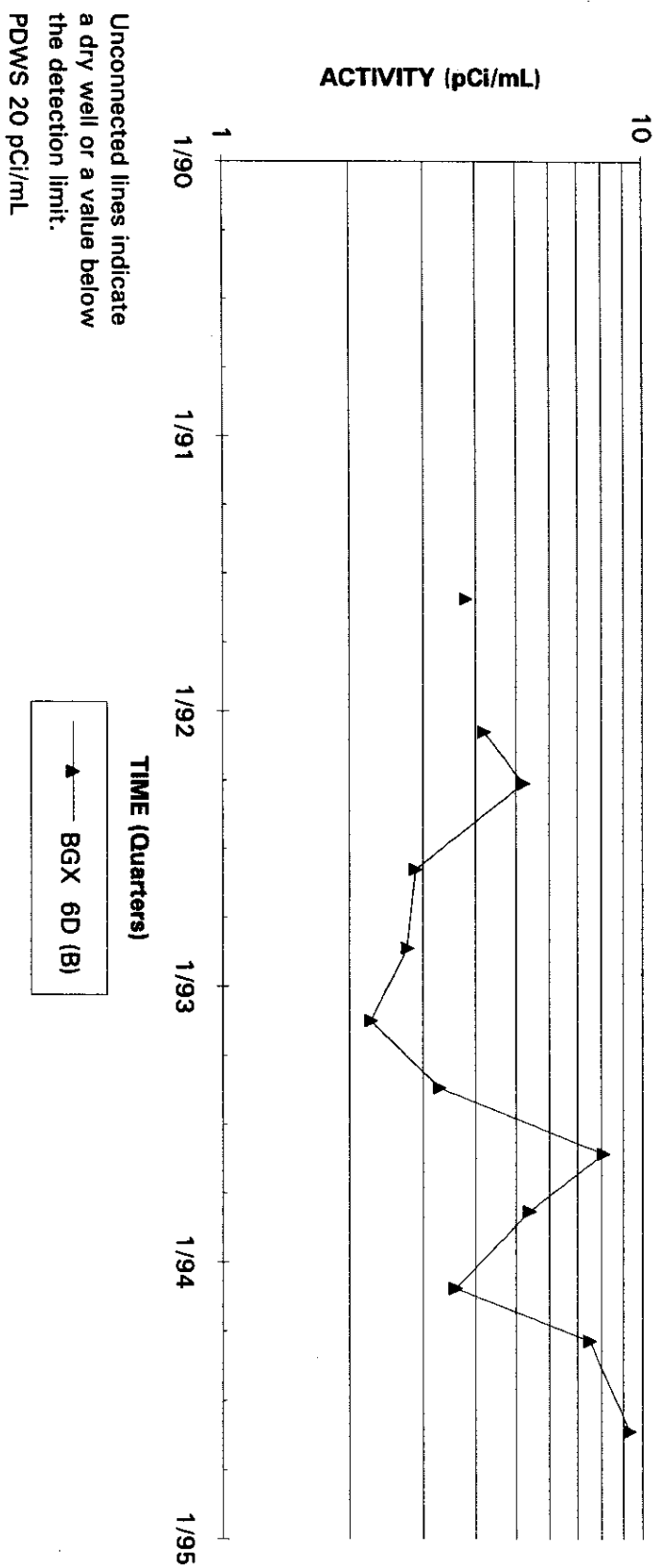
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well BGX 5D



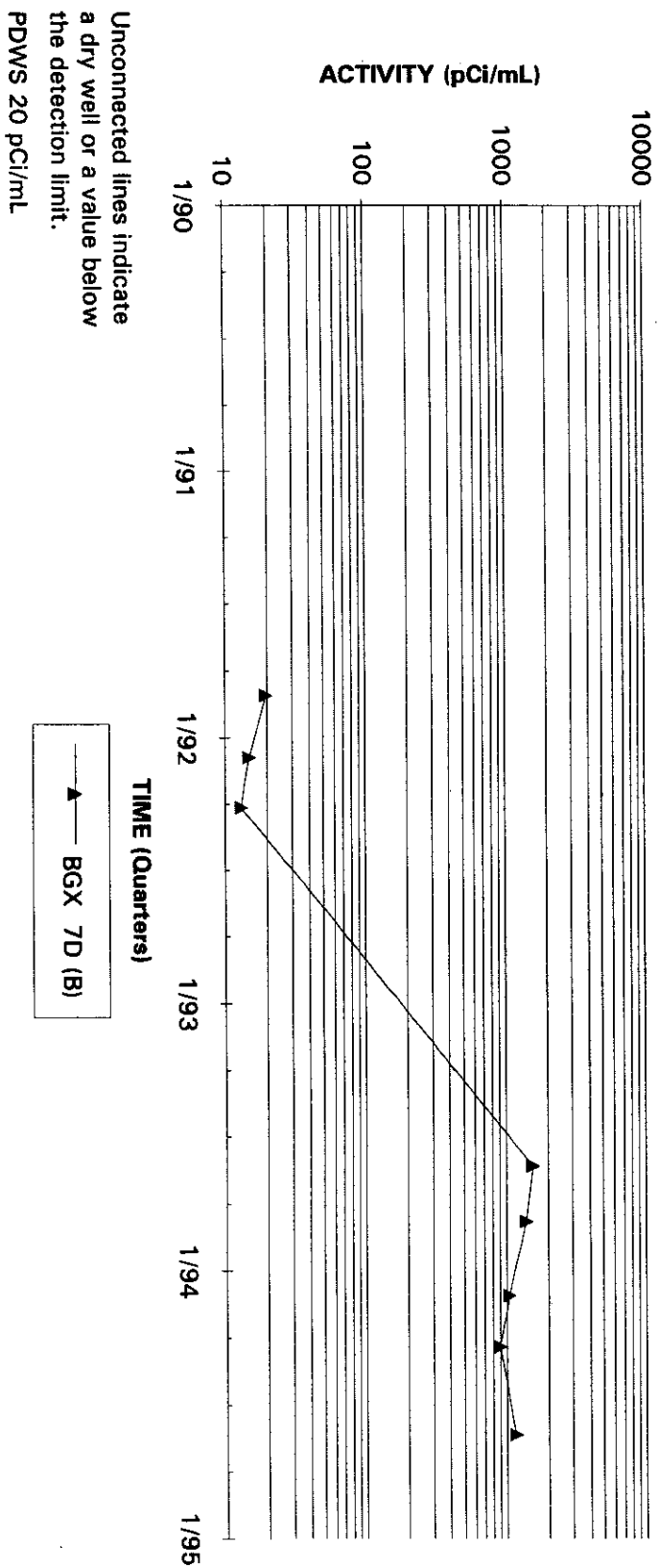
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well BGX 6D



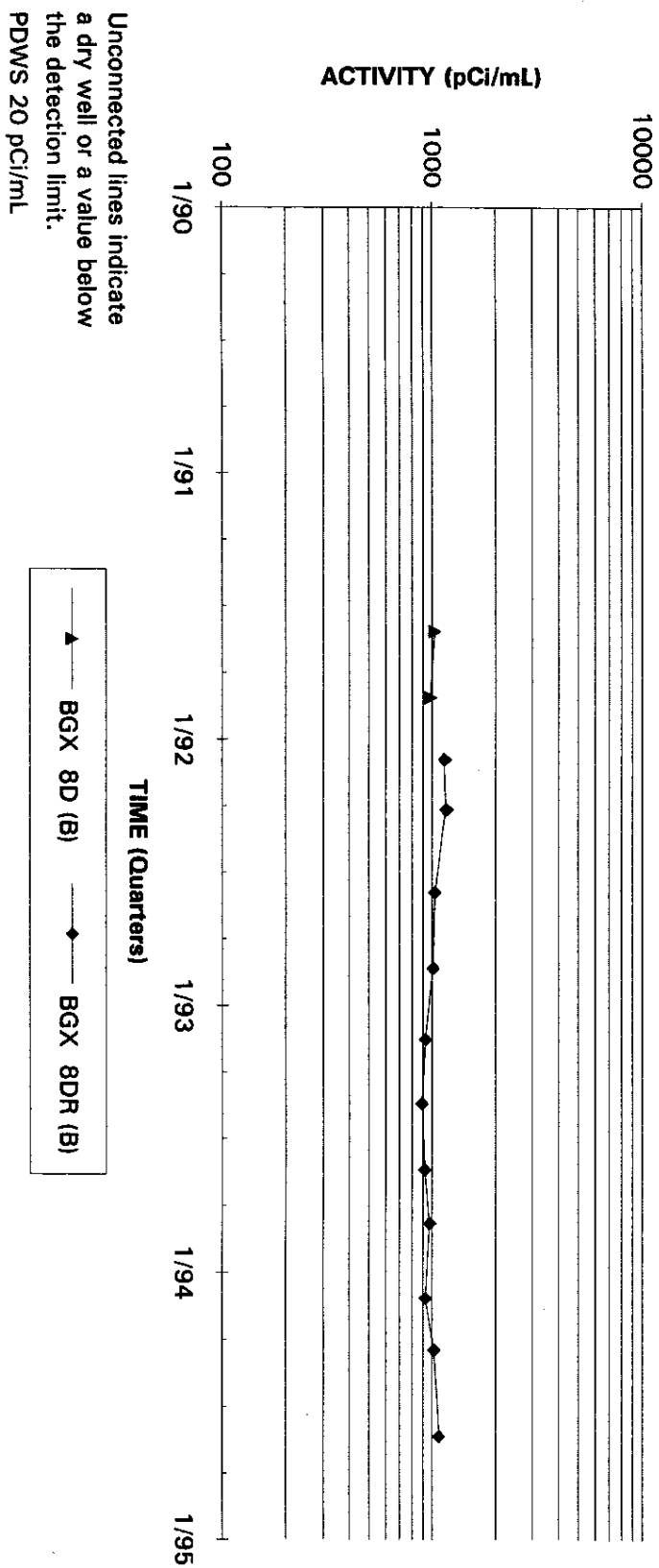
Note: W=Water Table (IIB2); B=Barrow (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Tritium Activities Well BGX 7D



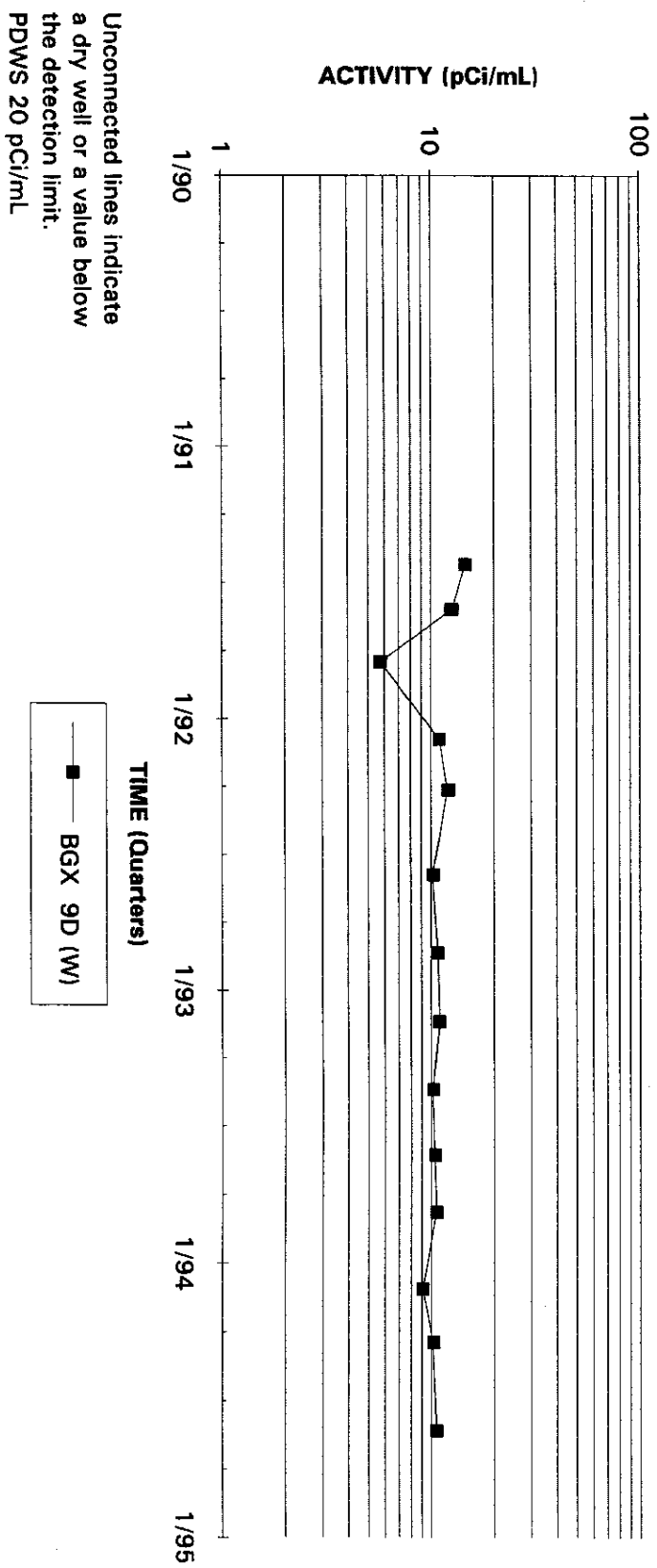
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well Cluster BGX 8



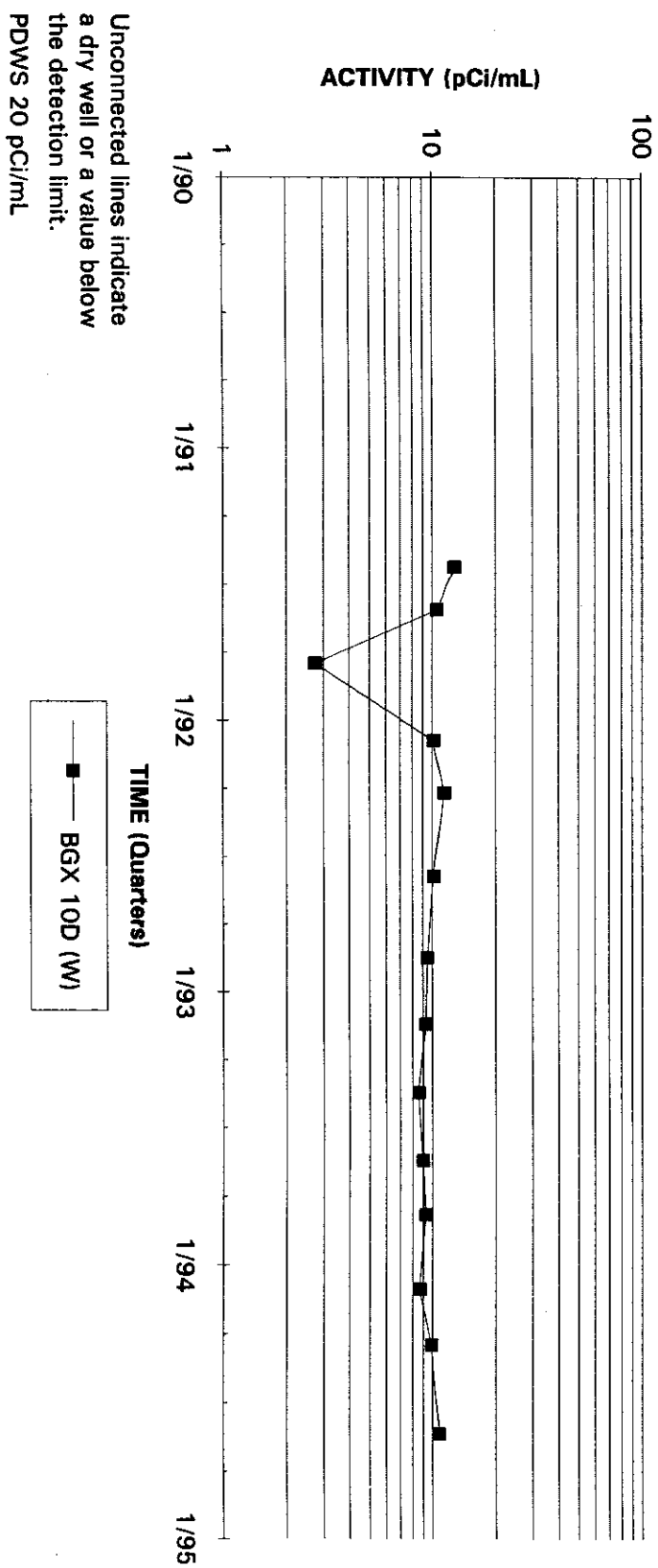
Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

## Tritium Activities Well BGX 9D



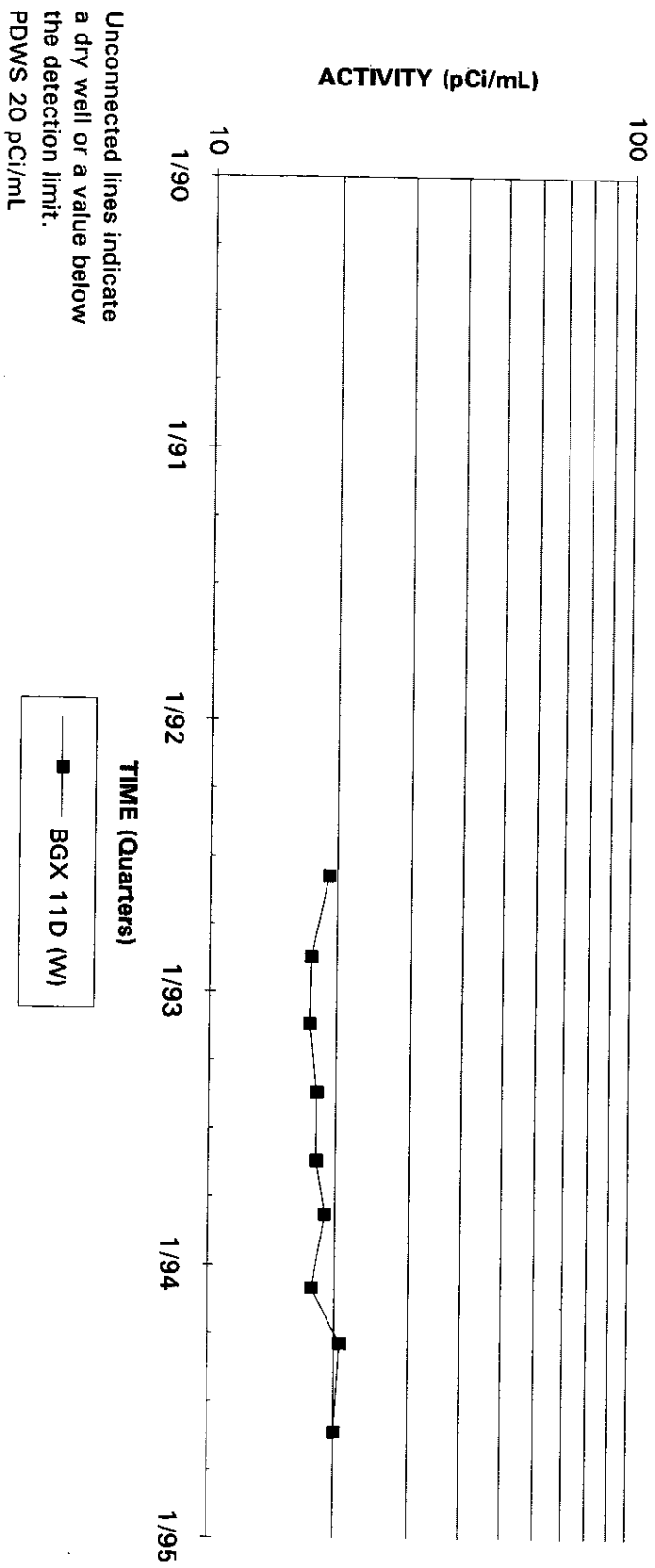
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well BGX 10D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well BGX 11D



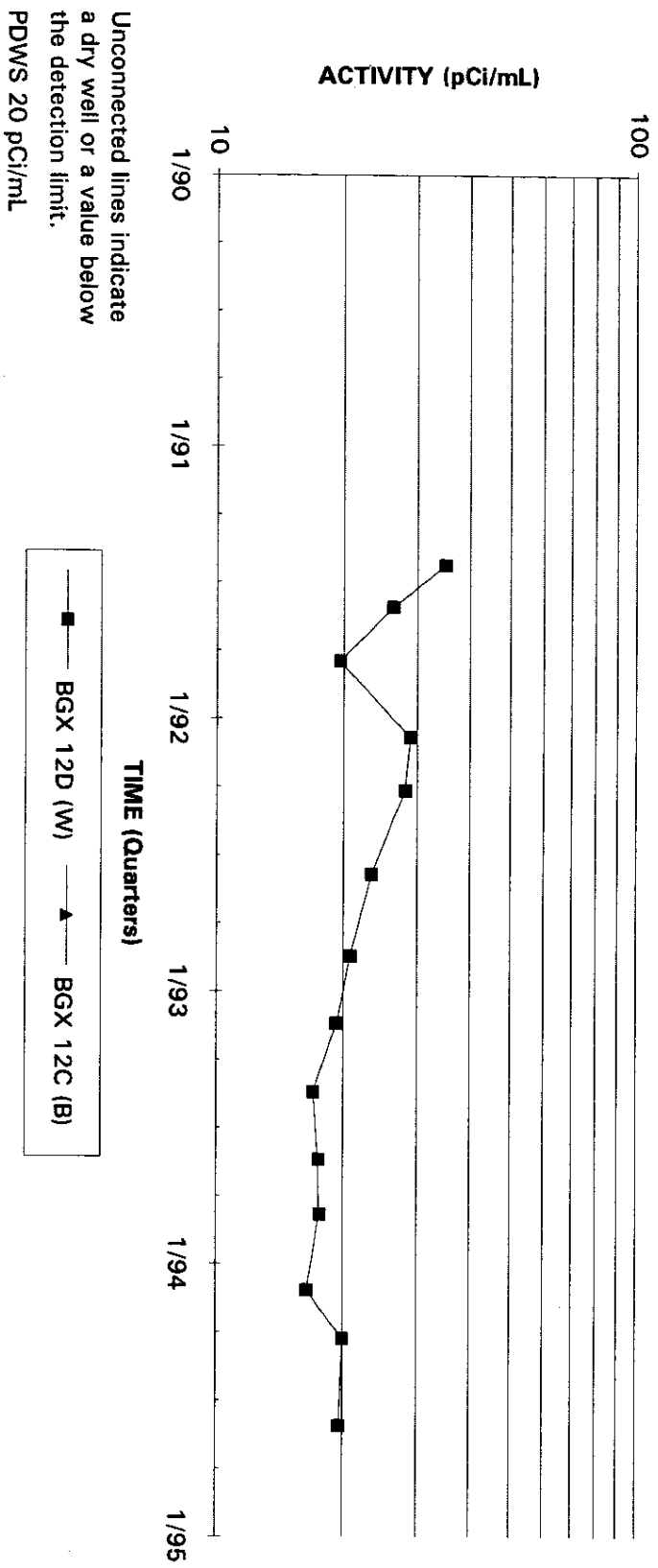
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB7); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MMWF

Third Quarter 1994

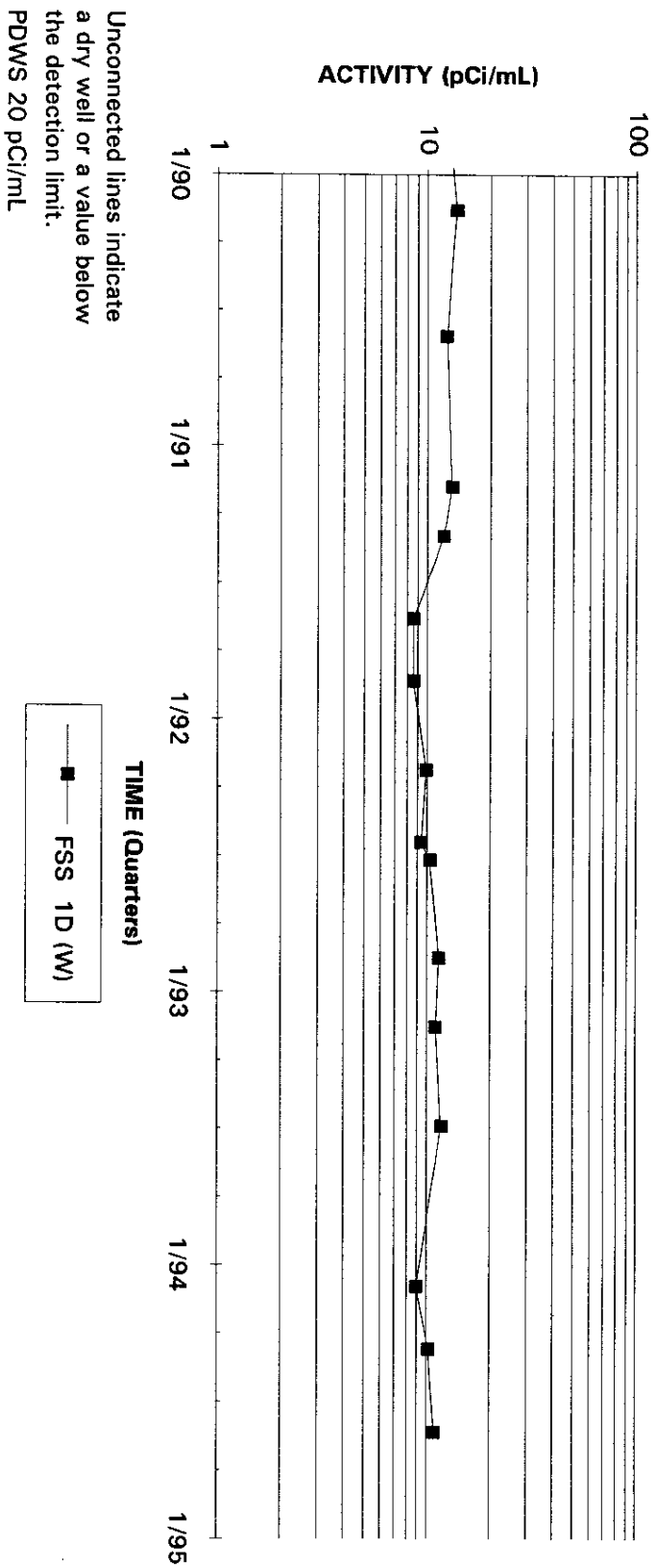


## Tritium Activities Well Cluster BGX 12



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Tritium Activities Well FSS 1D

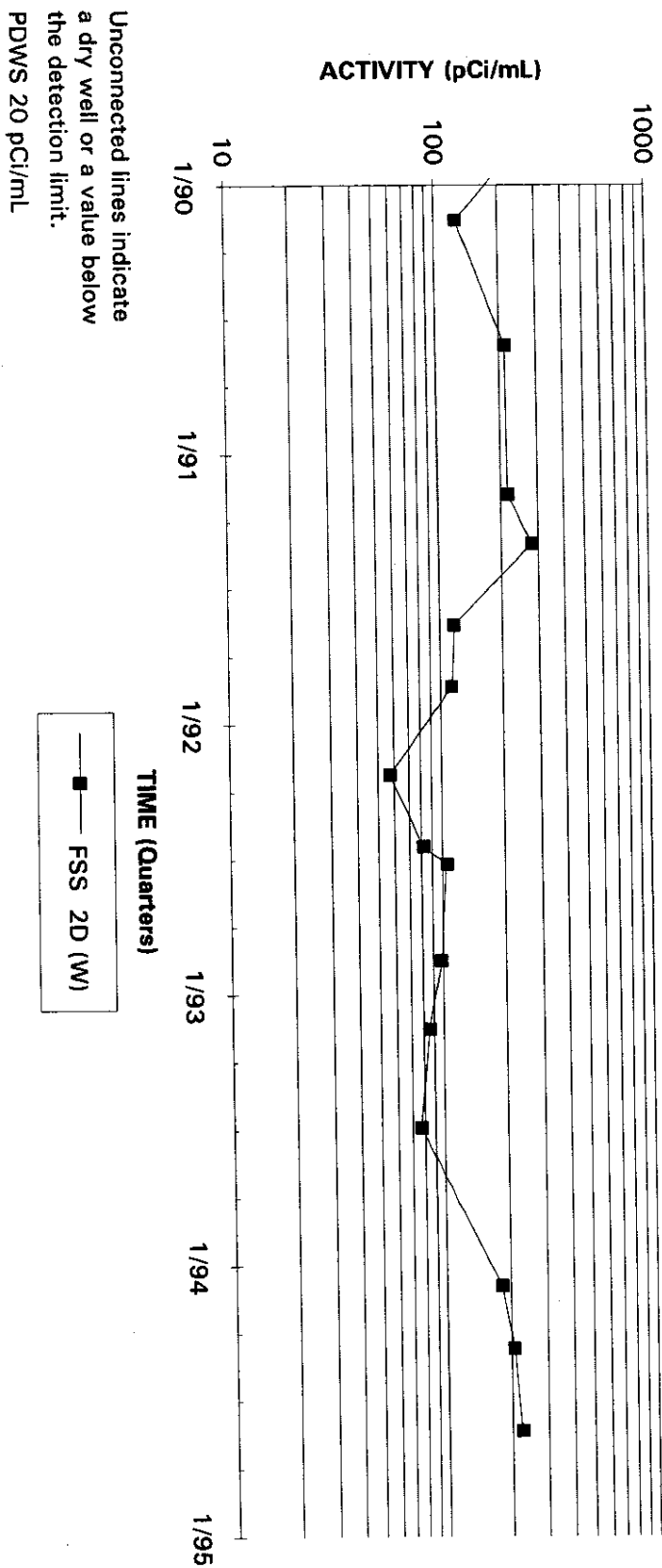


Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

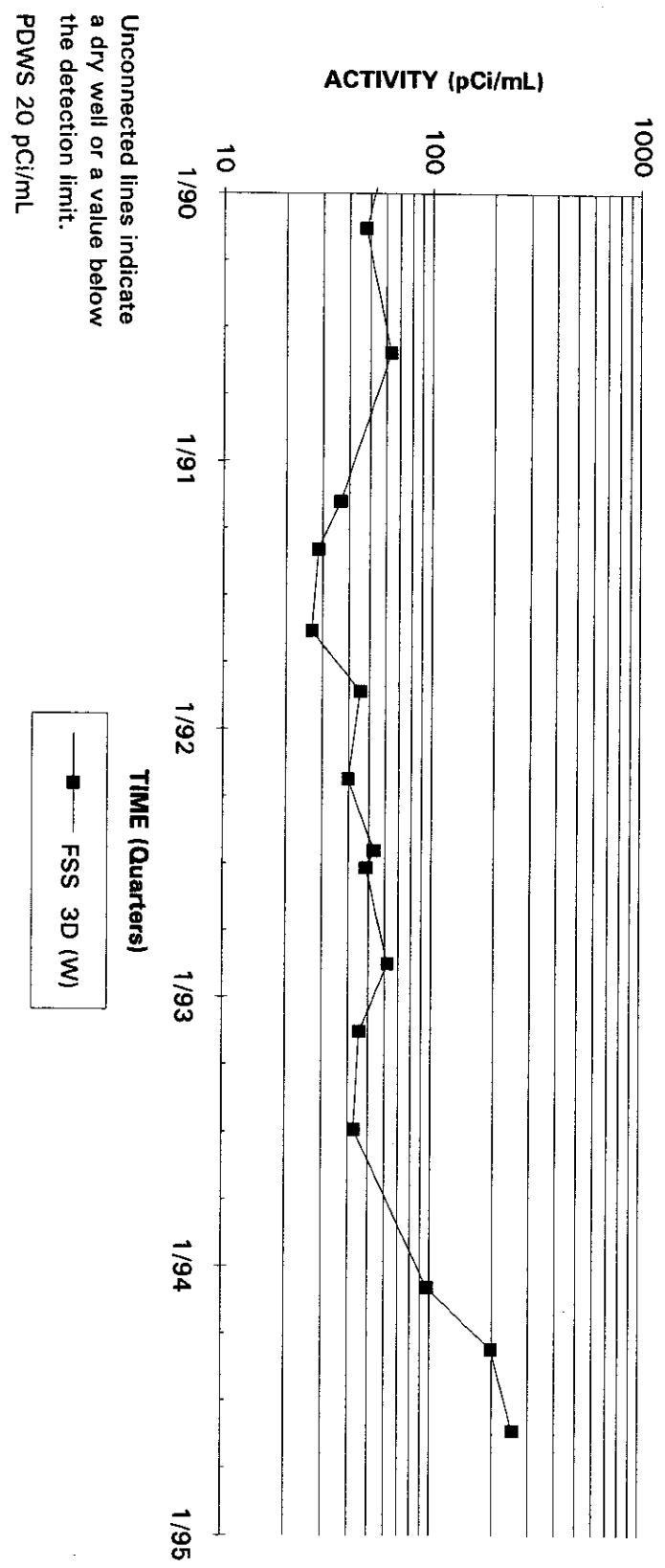
MWMMF

Third Quarter 1994

## Tritium Activities Well FSS 2D



## Tritium Activities Well FSS 3D

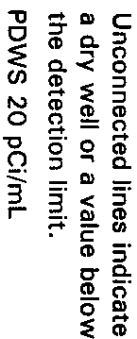


Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

MMMF

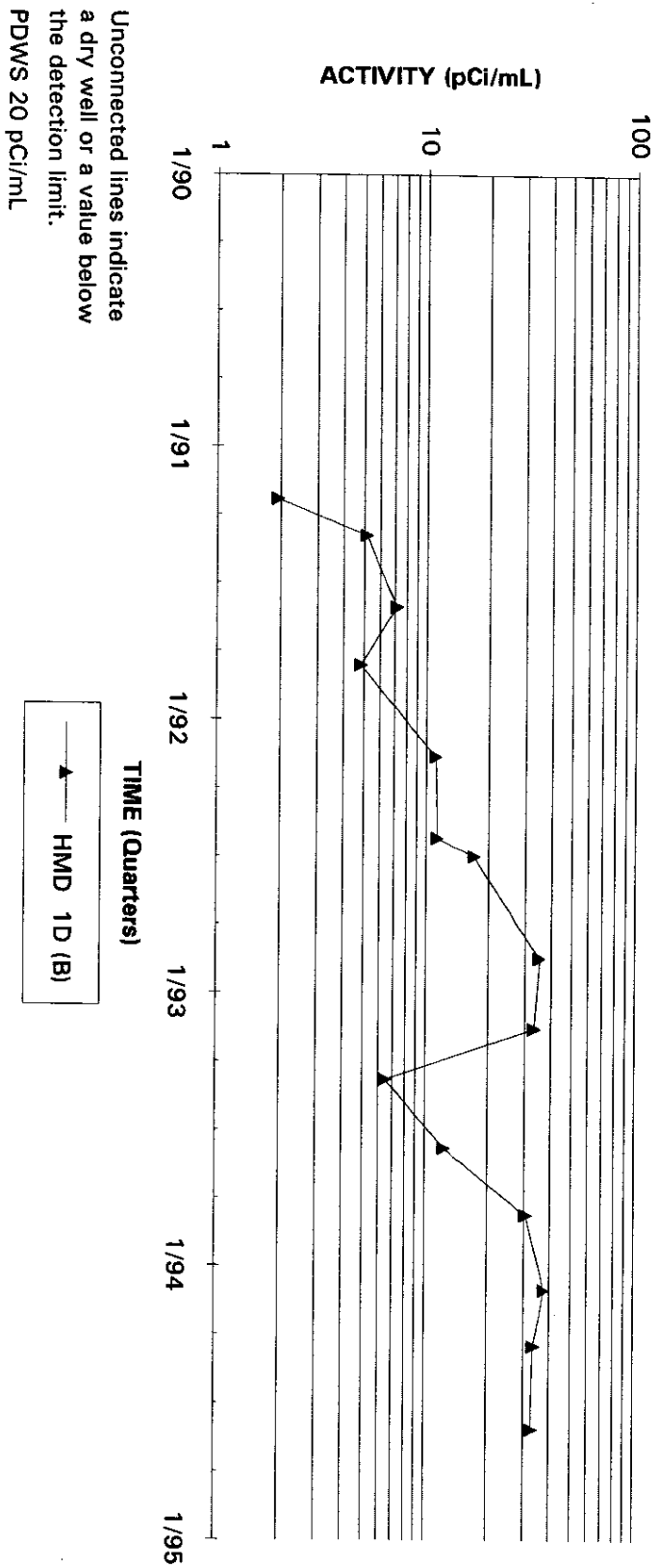
Third Quarter 1994

# Well FSS 4D



Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

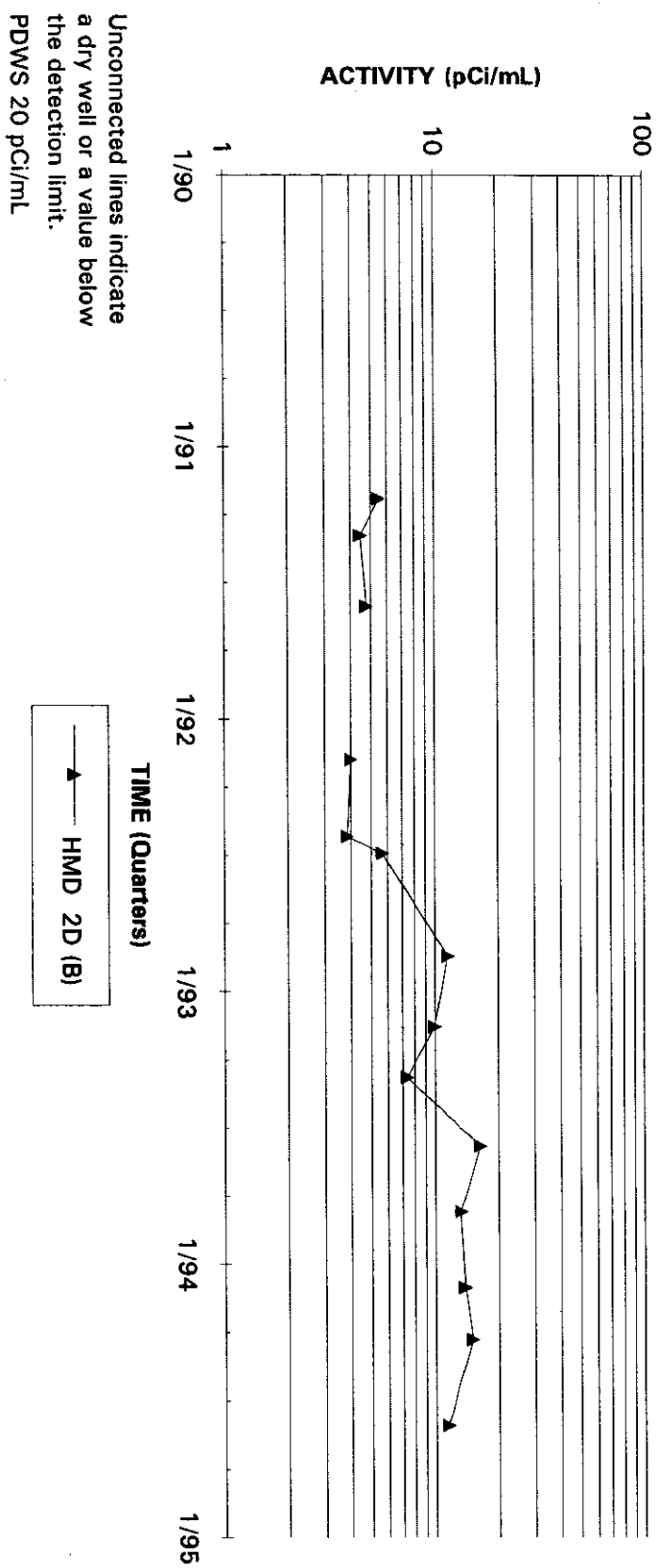
## Tritium Activities Well HMD 1D



Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

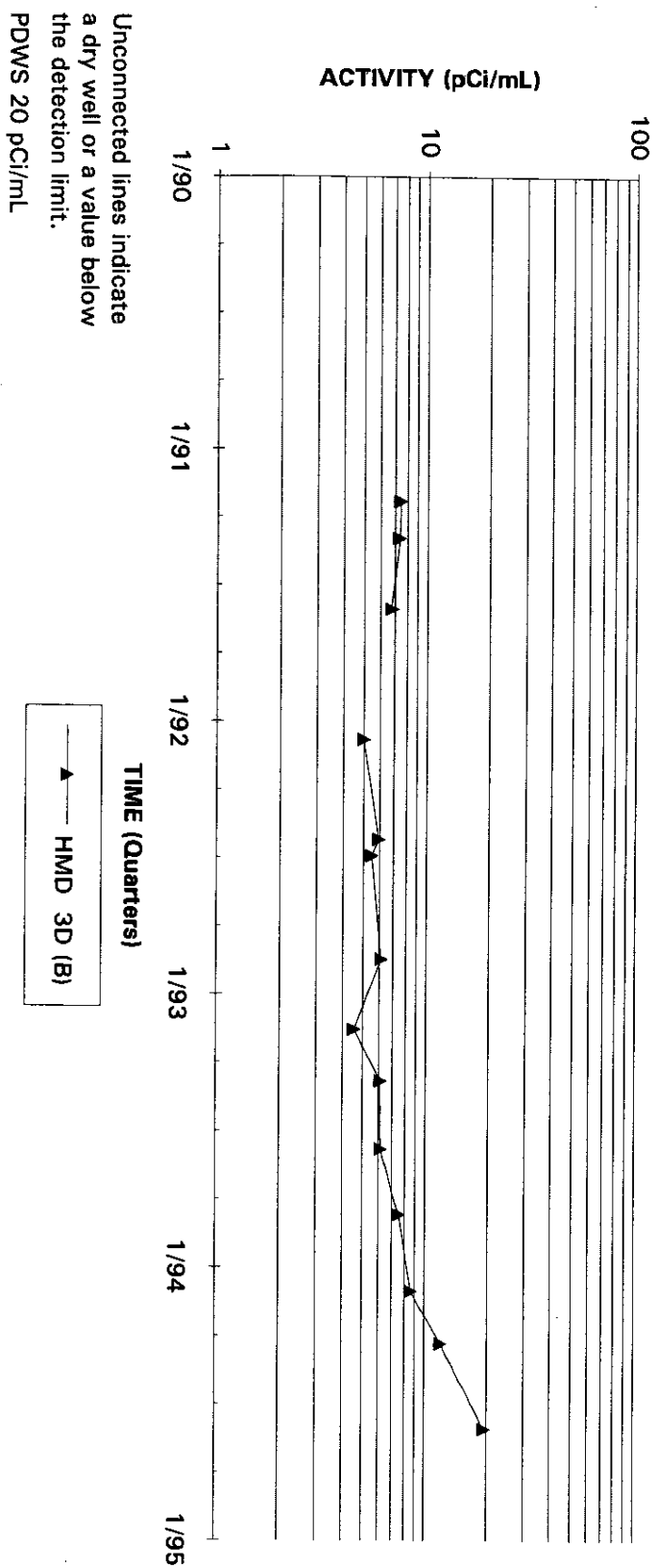
MWMF

## 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)

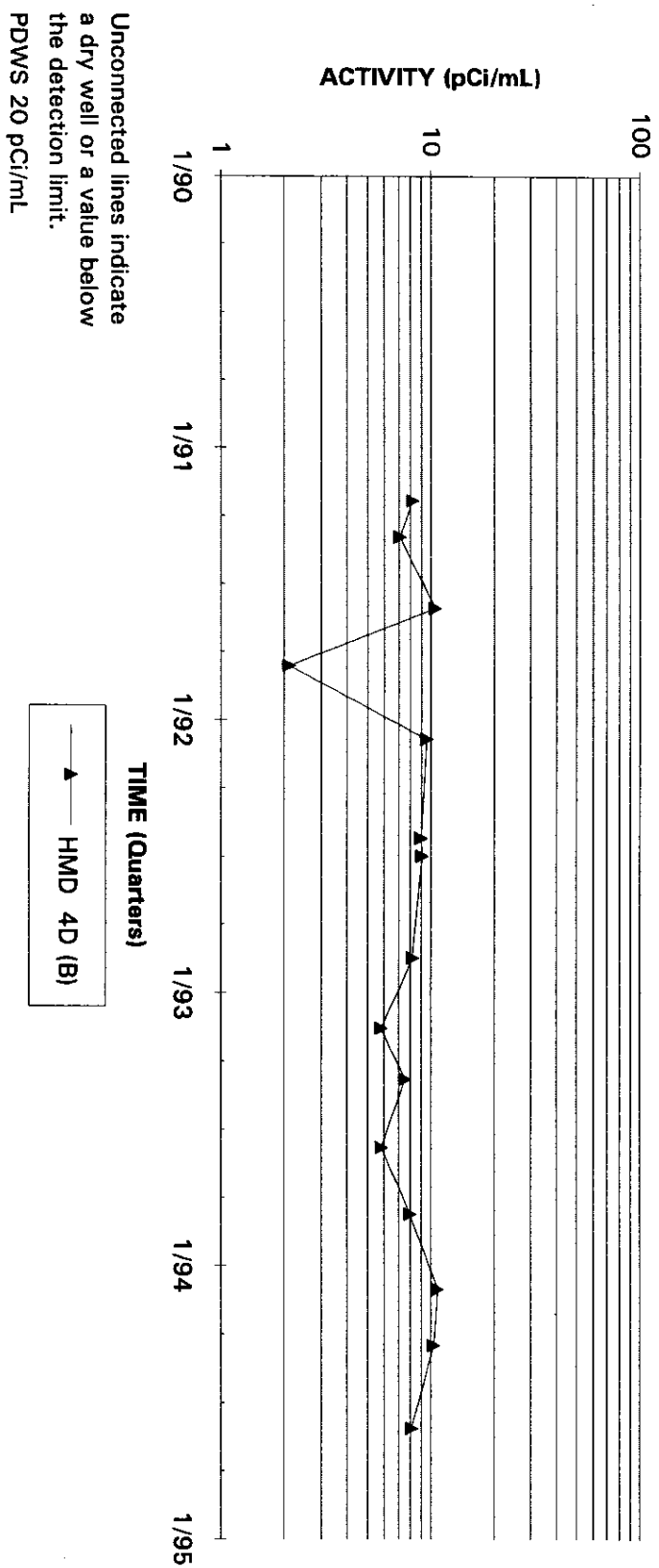
## Tritium Activities Well HMD 3D



Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

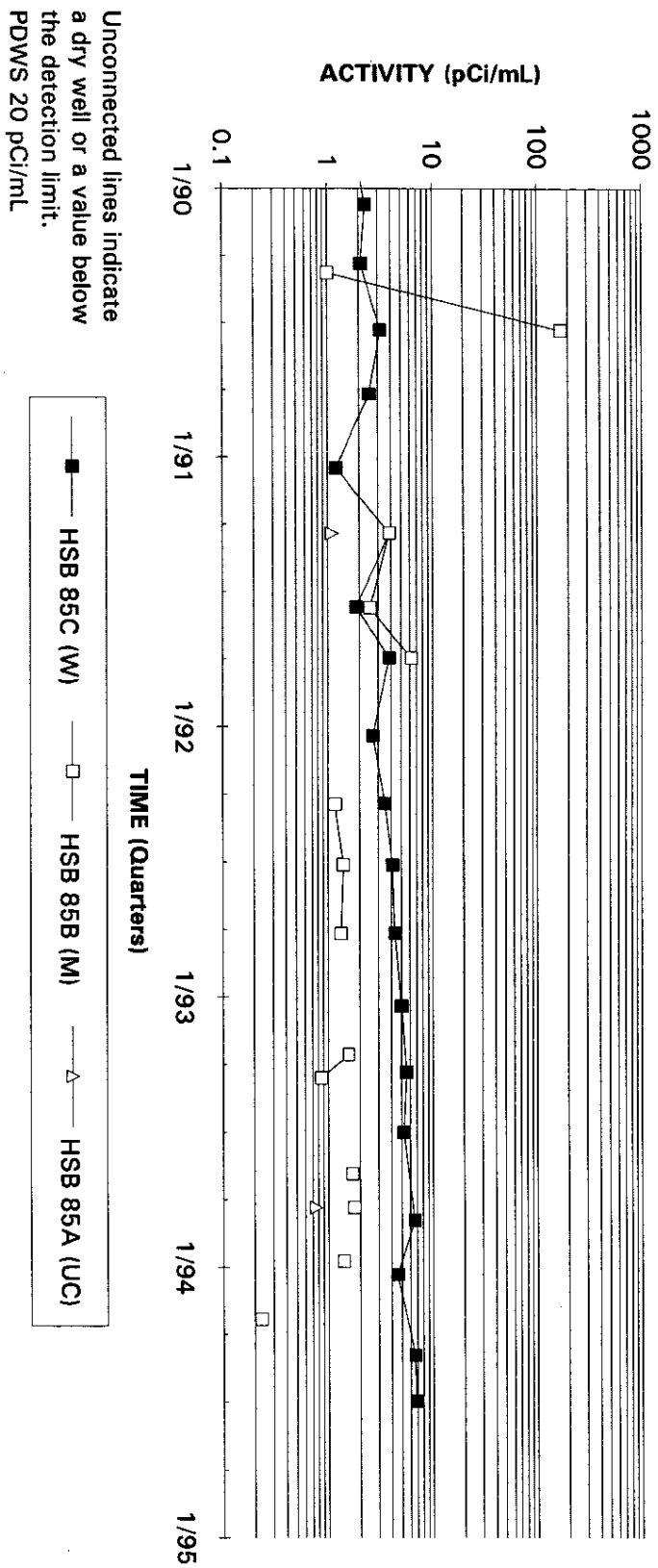


## Tritium Activities Well HMD 4D



Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

## Tritium Activities Well Cluster HSB 85



Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

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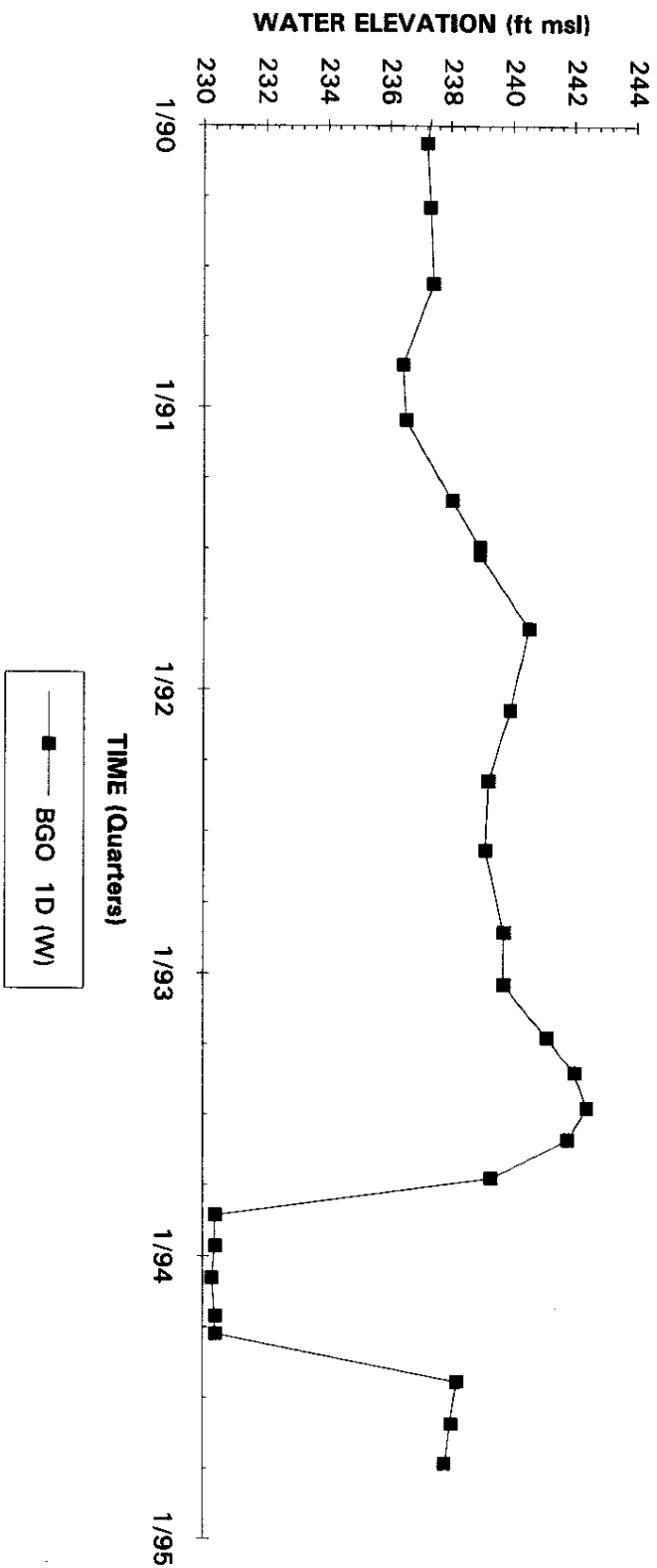
# **Appendix G**

## **Hydrographs**

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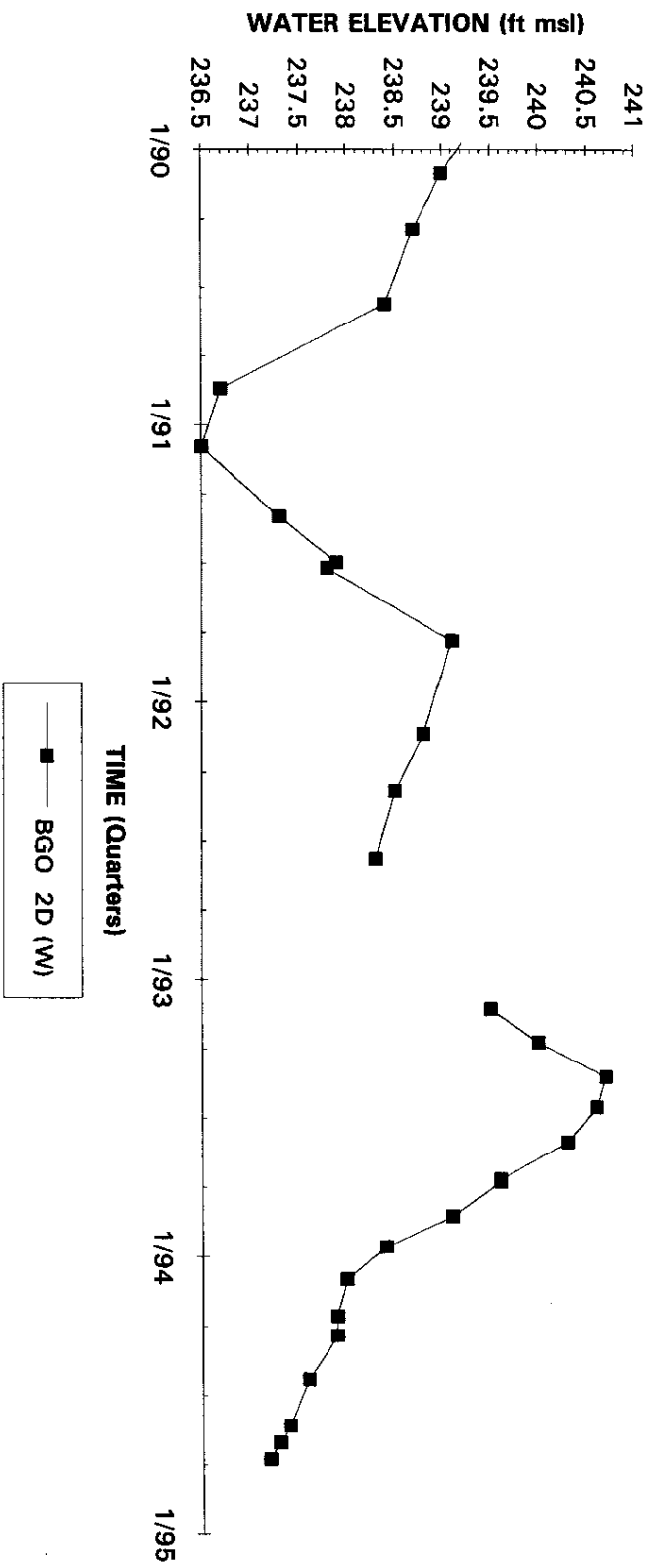
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## Hydrograph Well BGO 1D



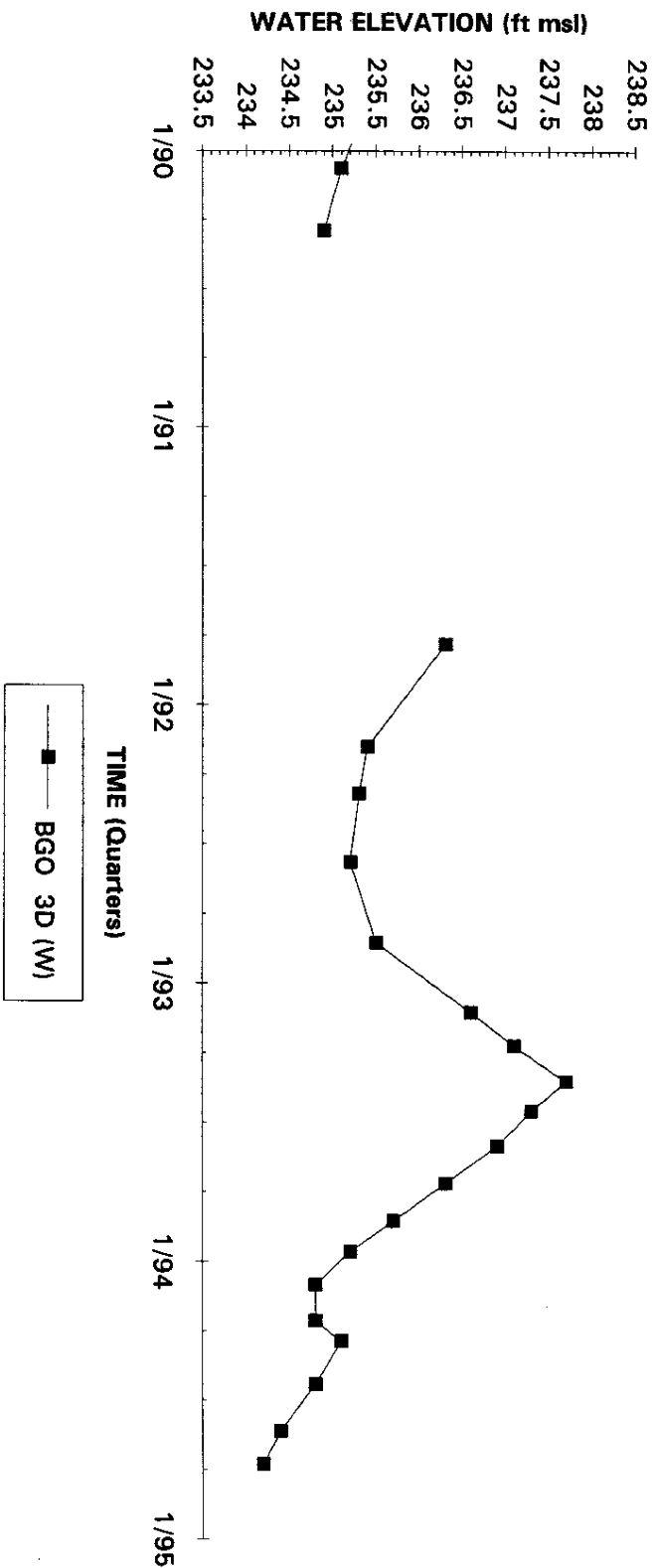
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 2D



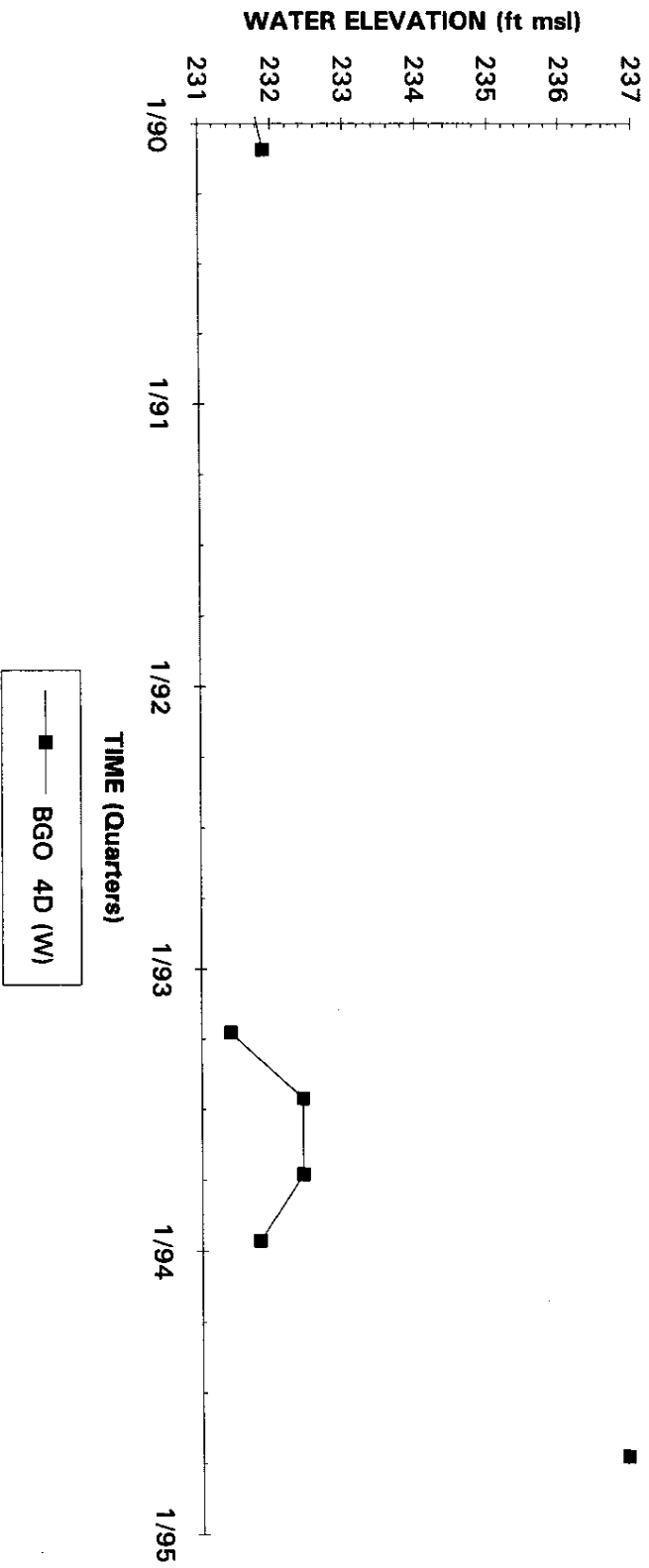
Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

## 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)

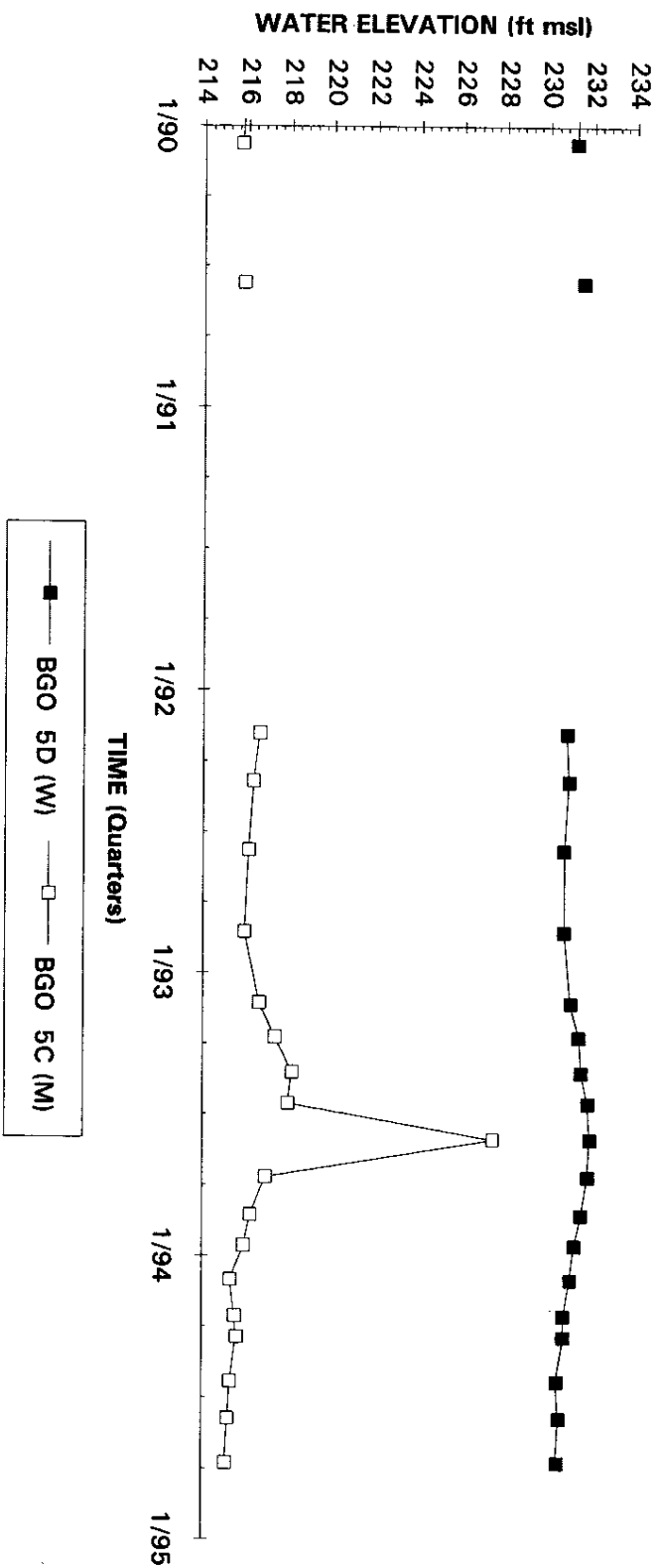
## Hydrograph Well BGO 4D



Note: W=Water Table (IIB2), B=Barnwell (IIB1), M=McBean (IIB1), UC=Upper Congaree (IIA), MC=Middle Congaree (IIA), LC=Lower Congaree (IIA)

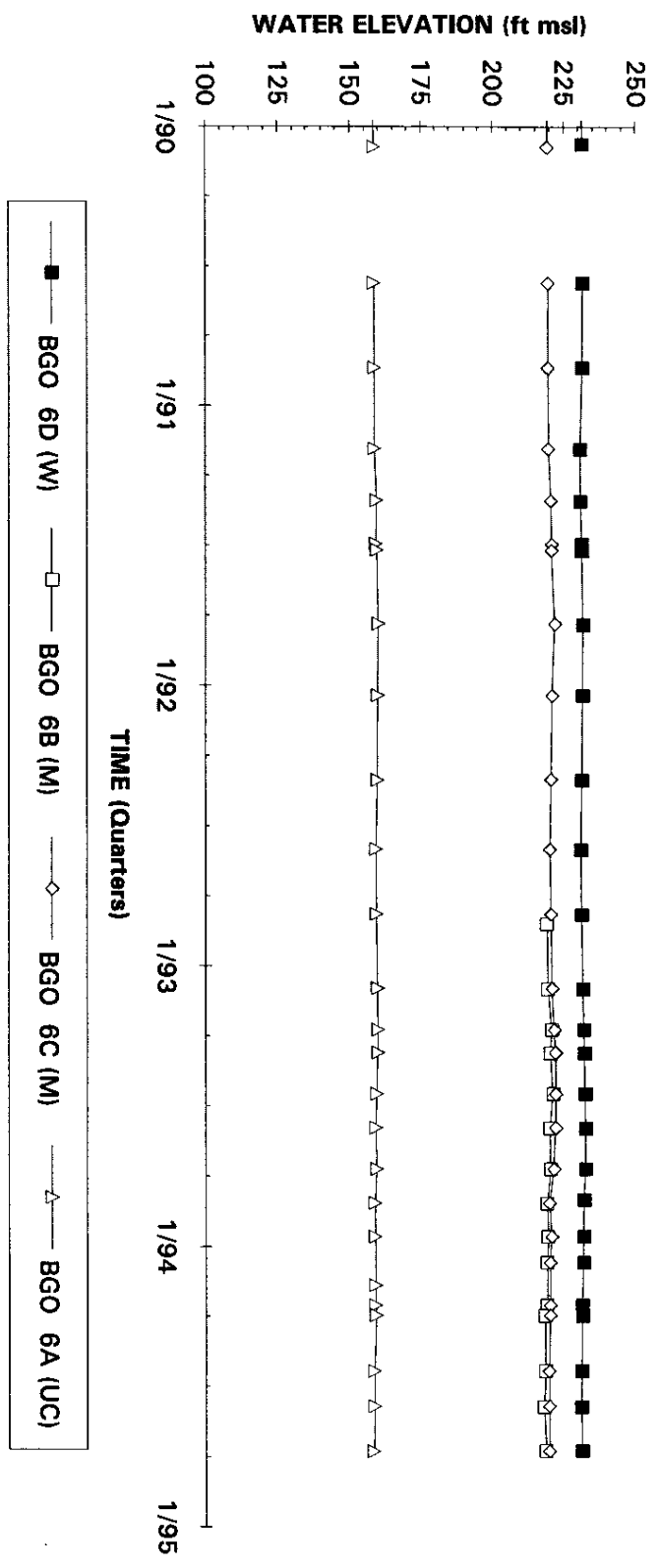


## Hydrograph Well Cluster BGO 5



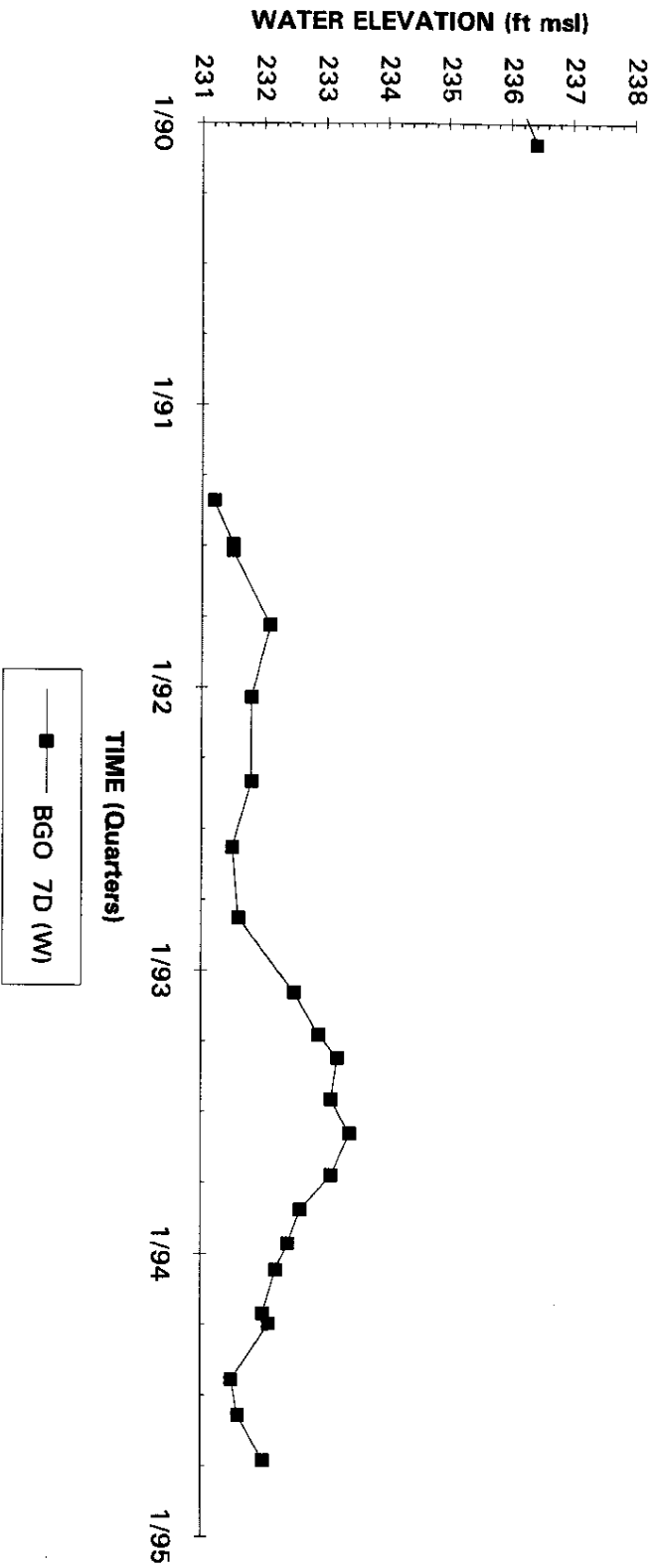
Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 6



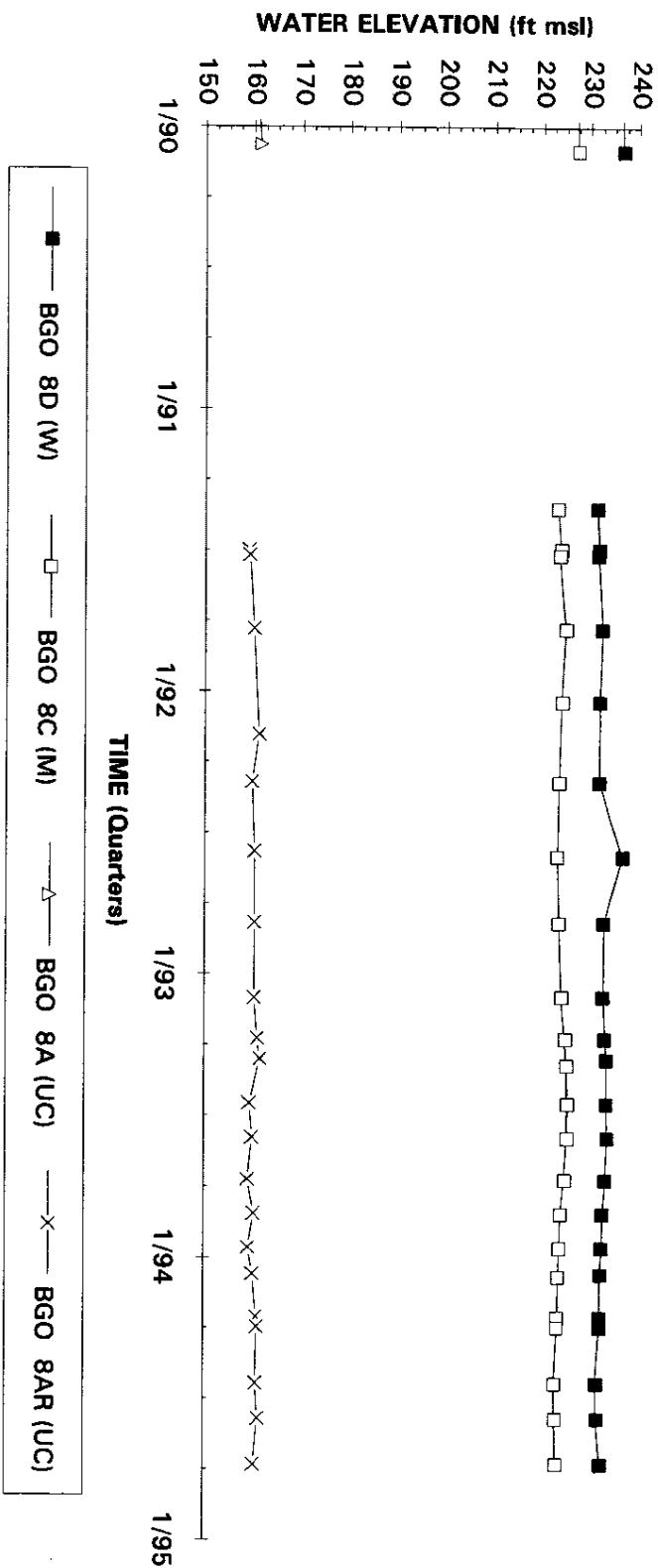
Note: W=Water Table (IIB2); B=Barmwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 7D



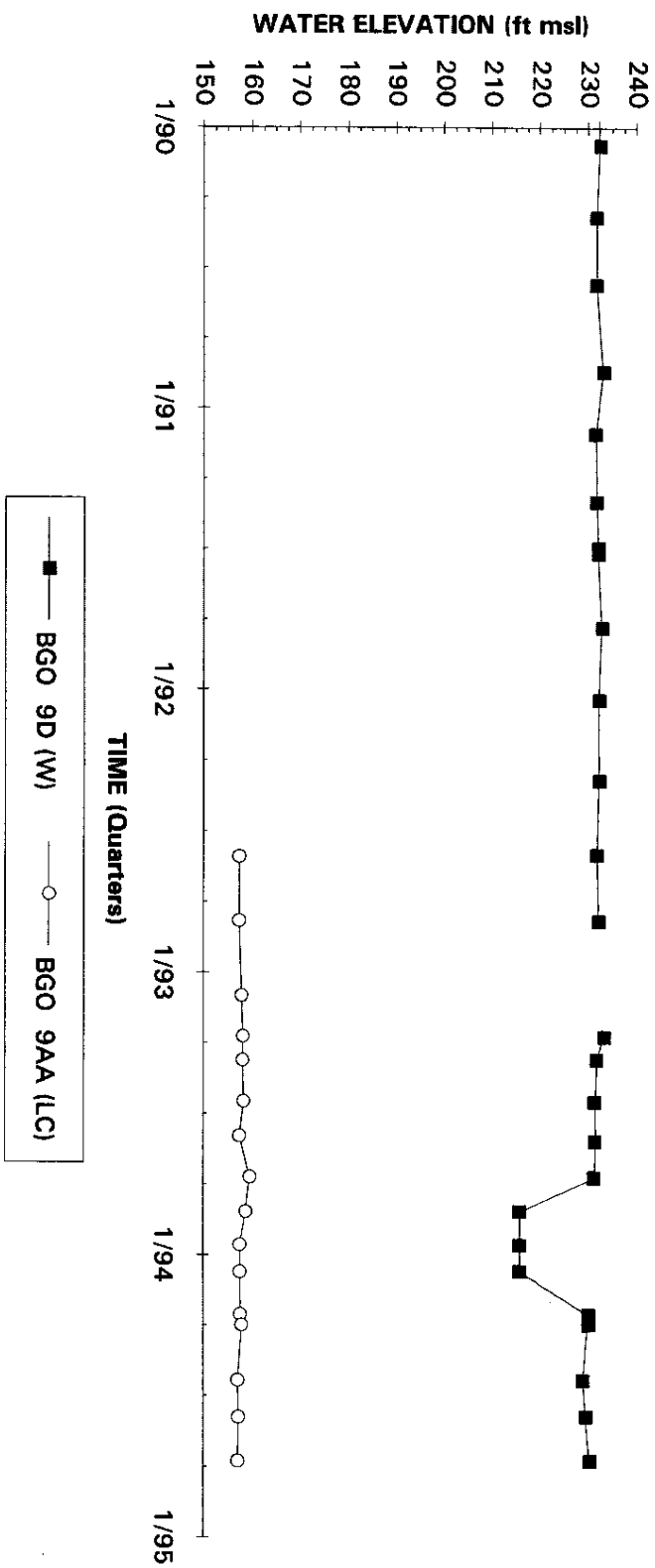
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 8



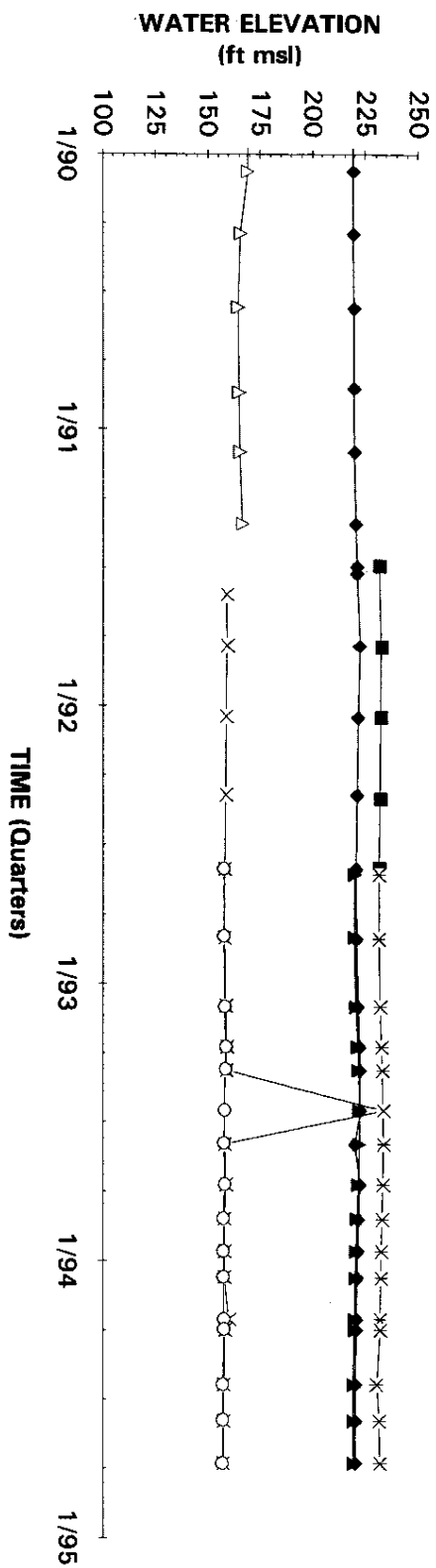
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 9



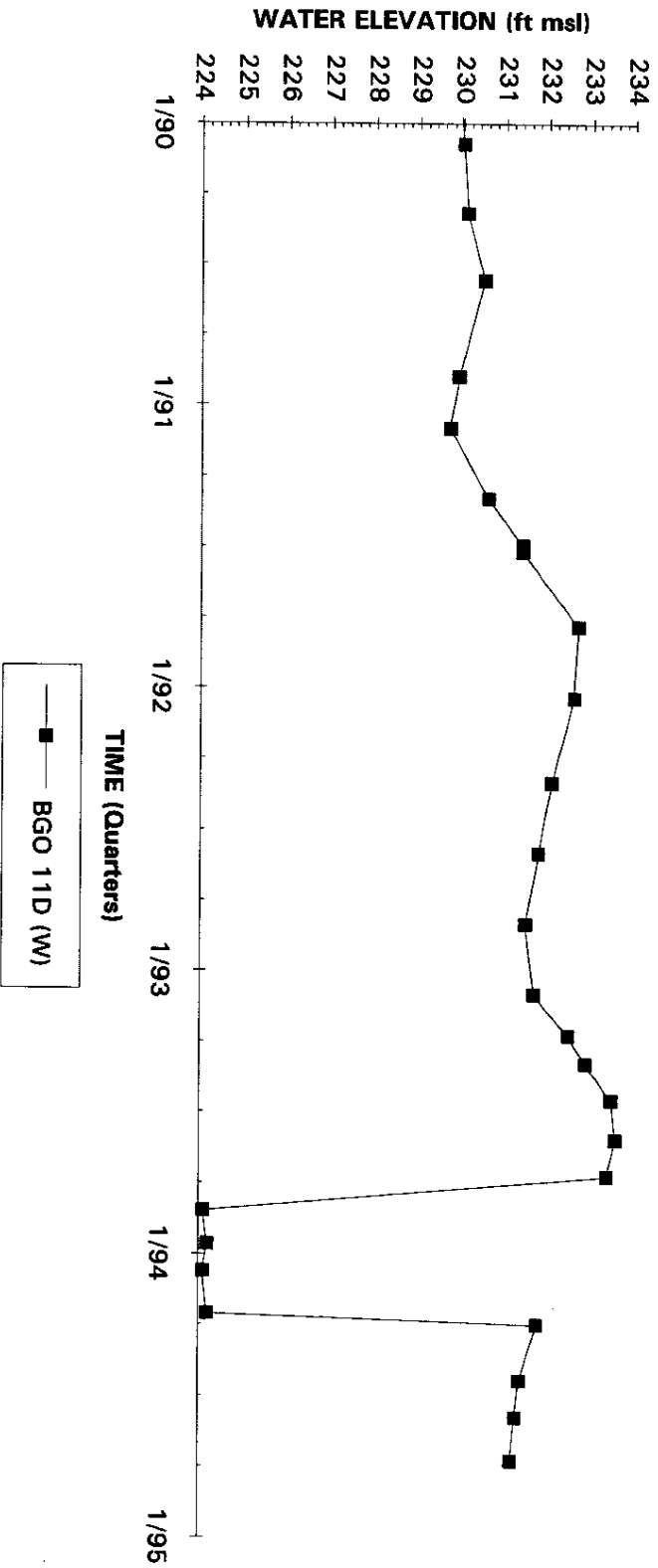
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 10

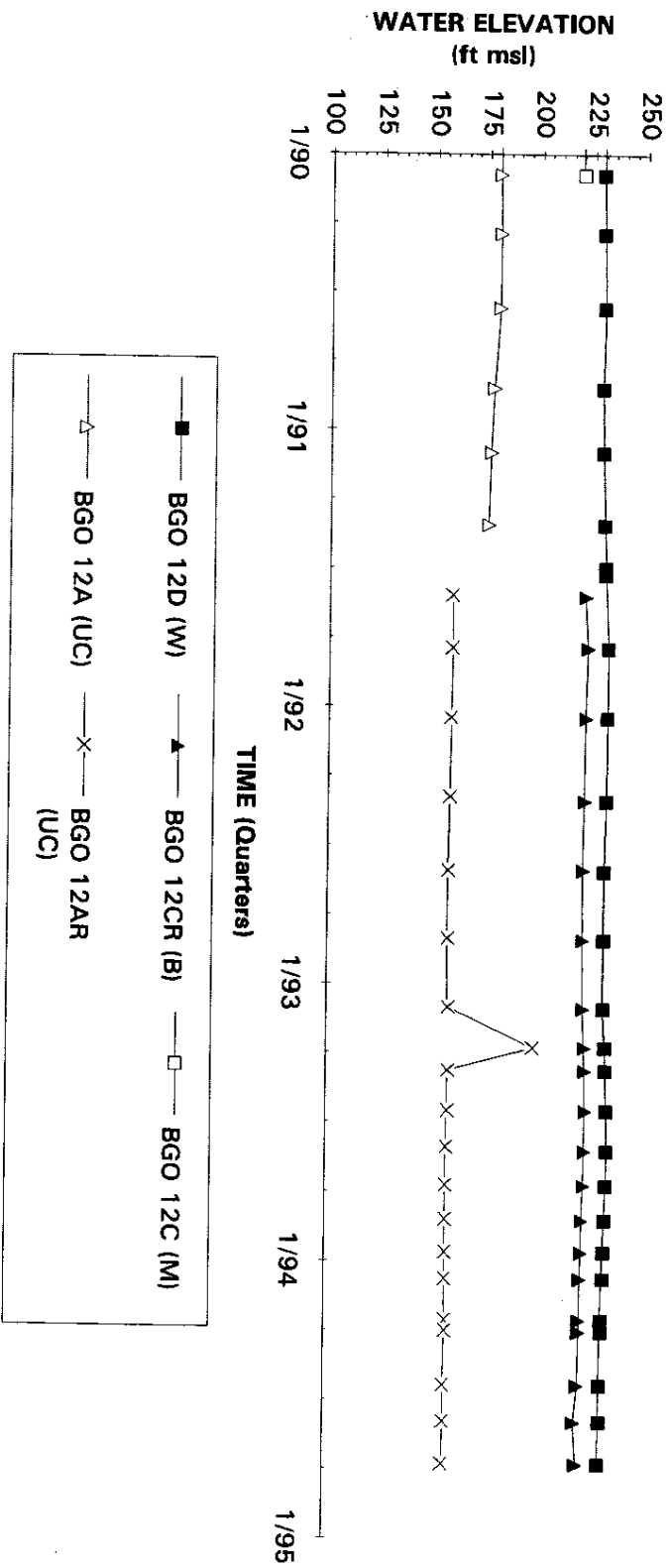


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 11D



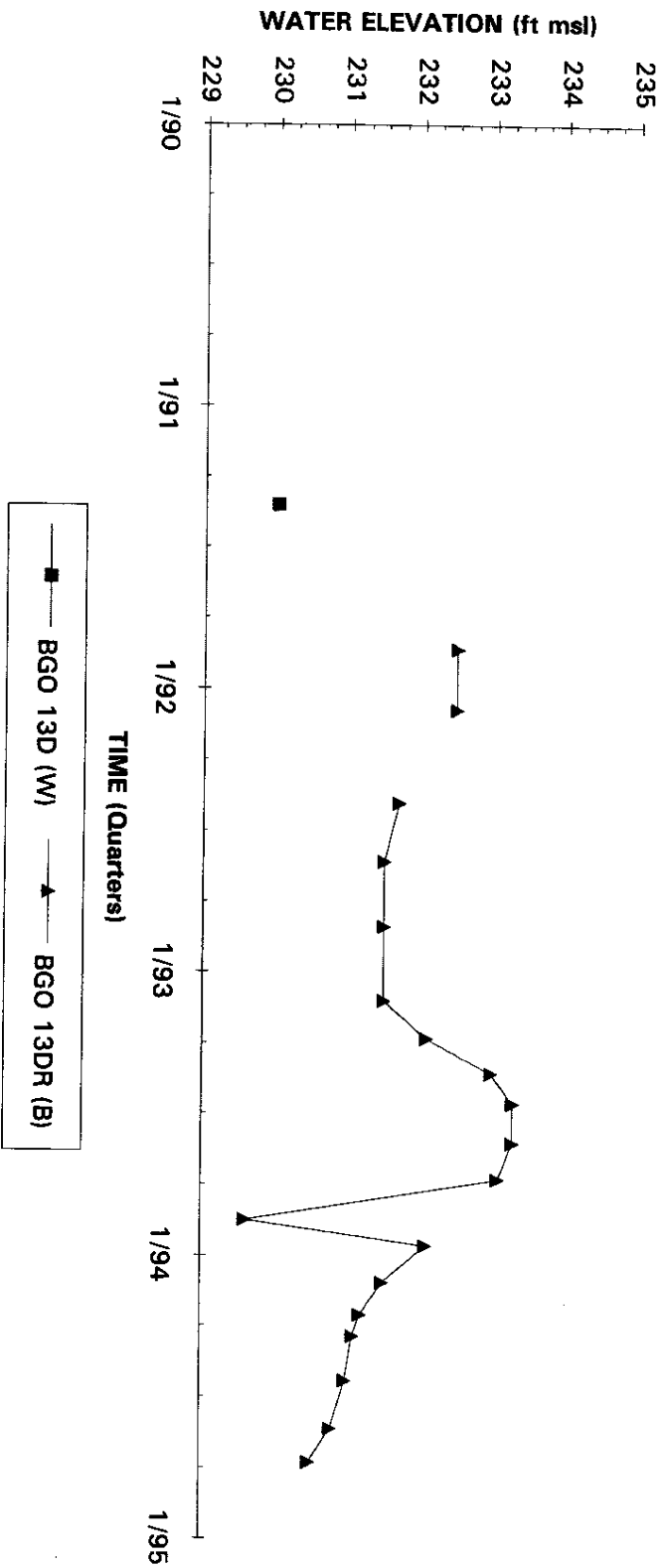
## Hydrograph Well Cluster BGO 12



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

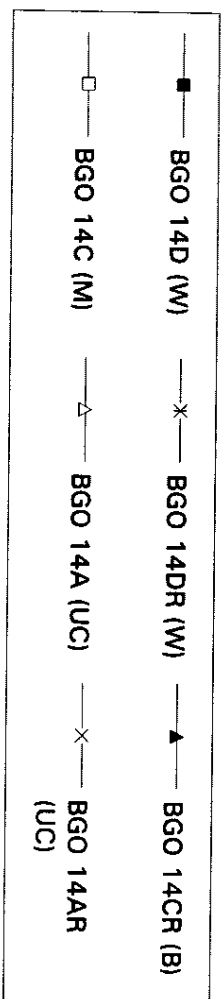
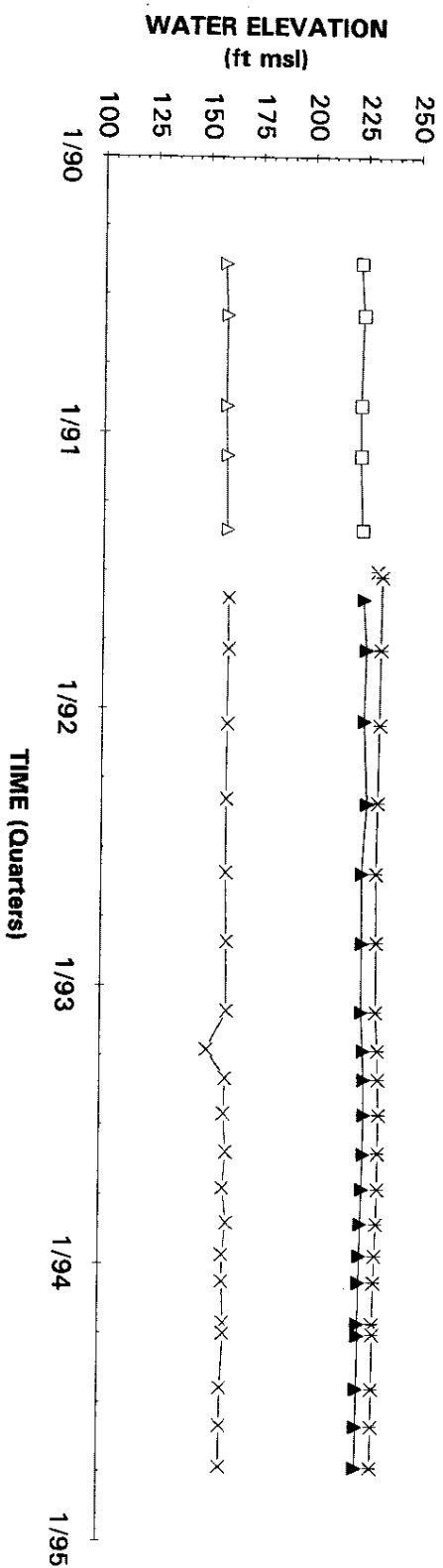


## Hydrograph Well Cluster BGO 13



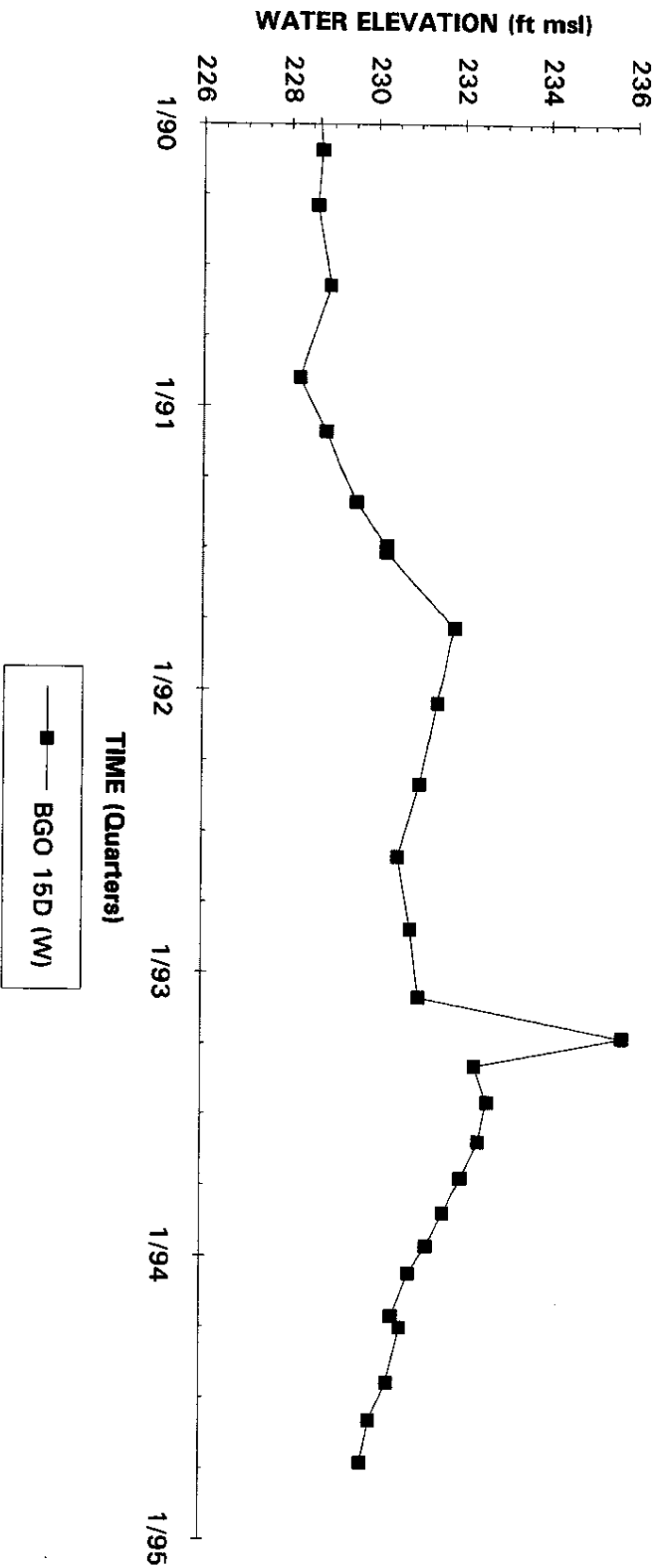
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 14



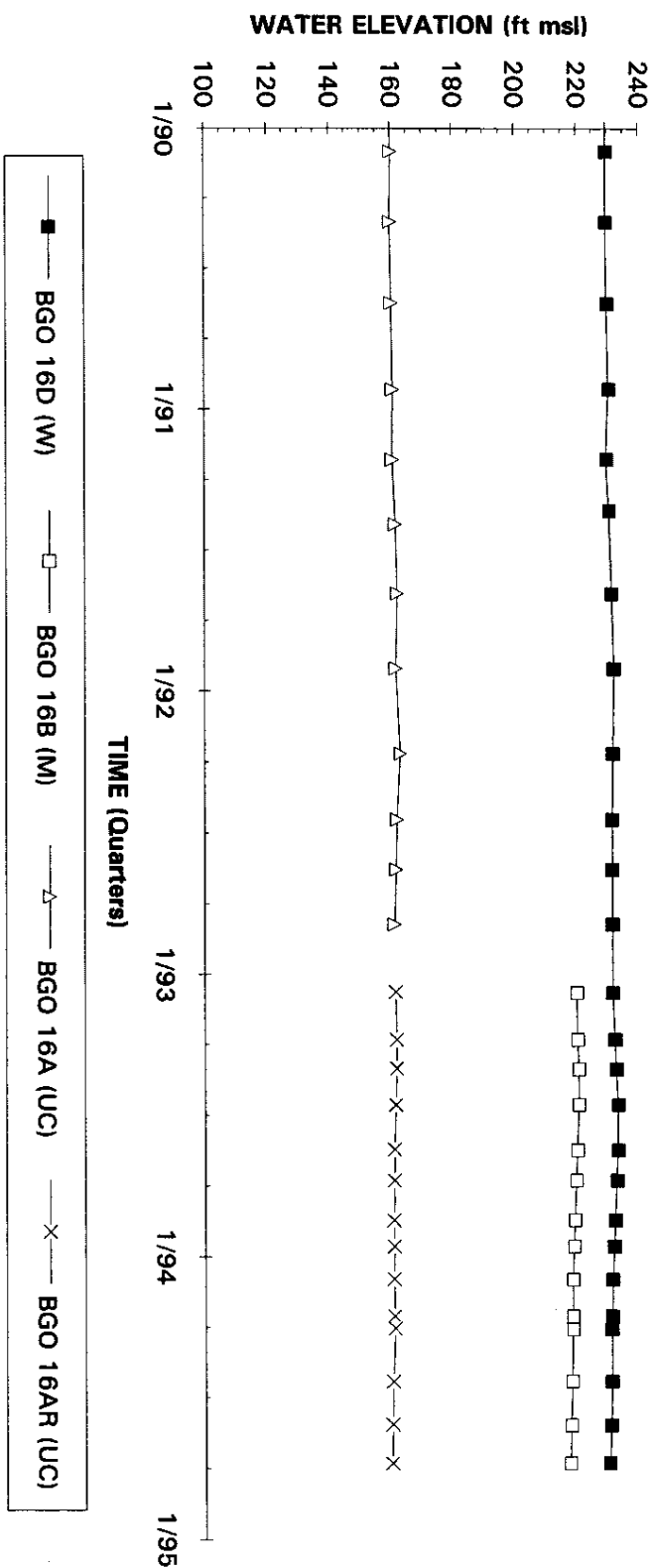
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 15D



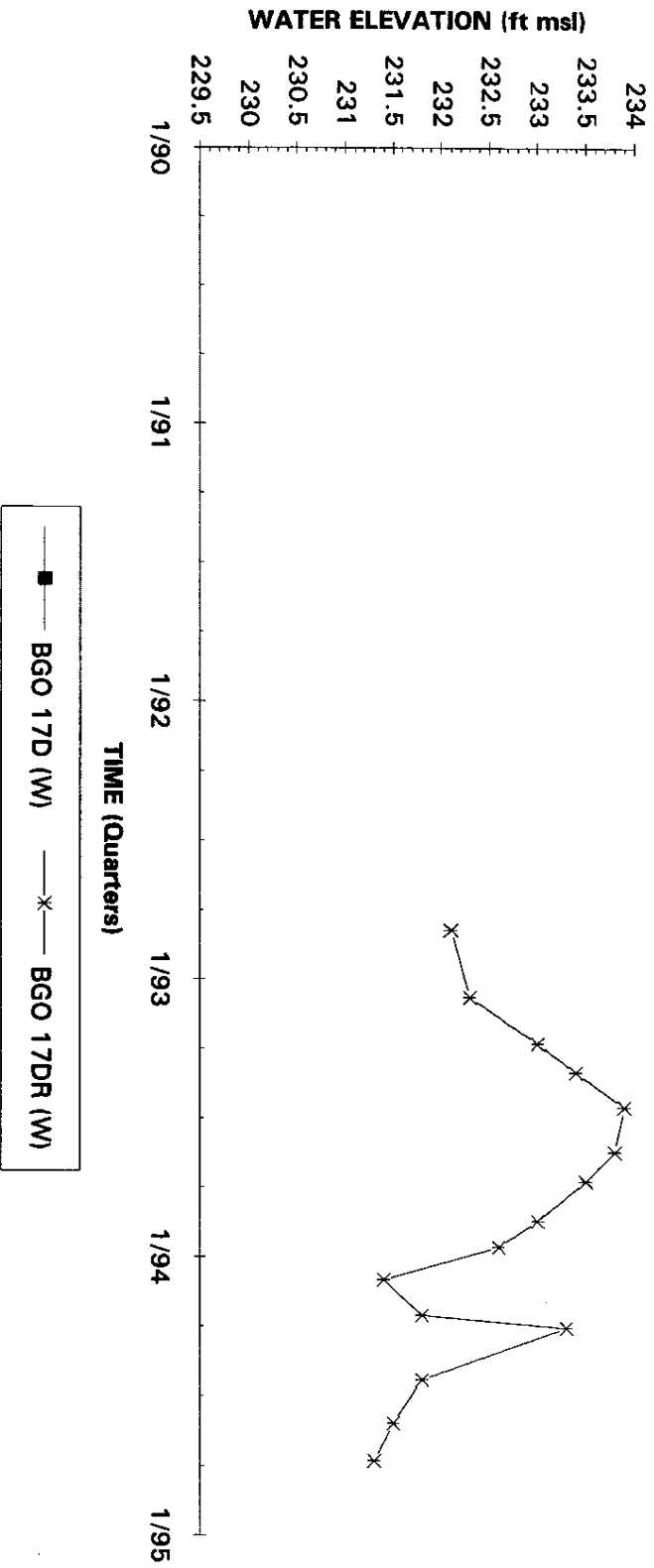
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 16



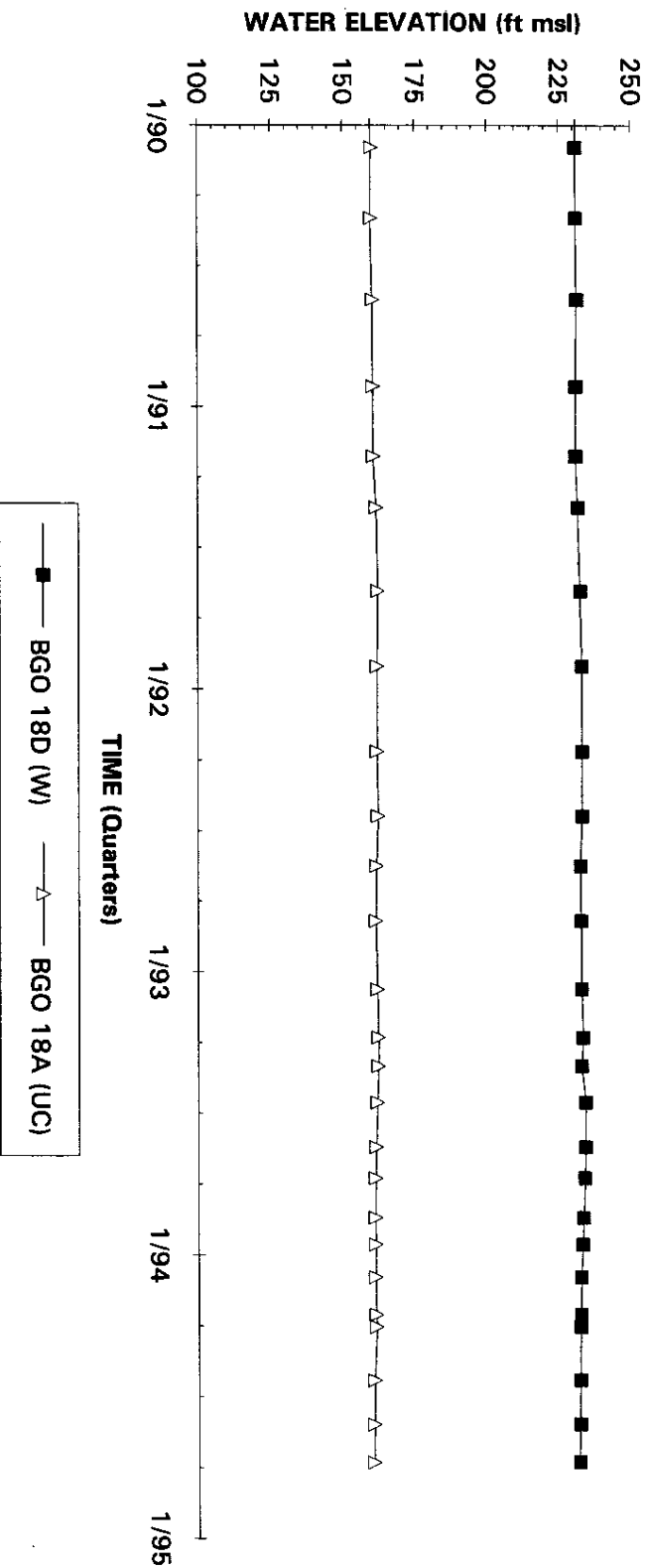
Note: W=Water Table (IBZ); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 17



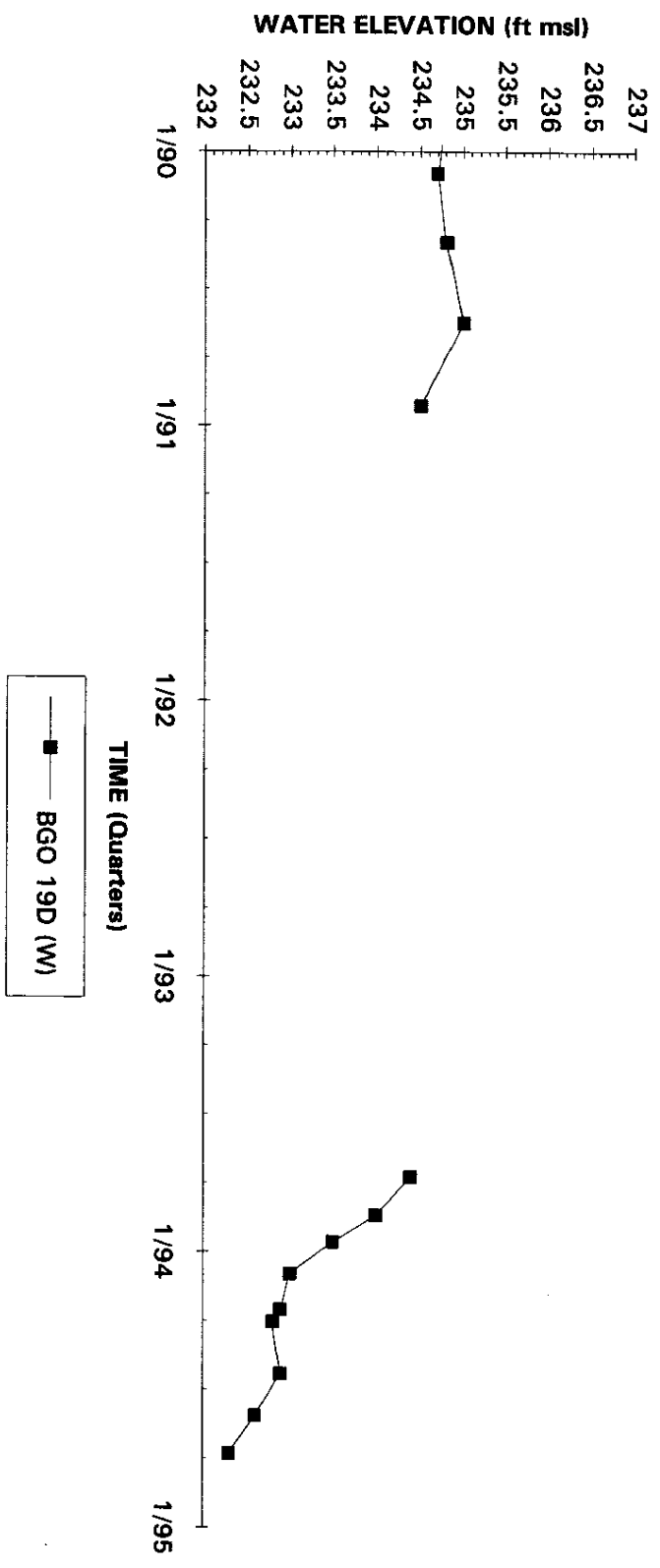
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 18



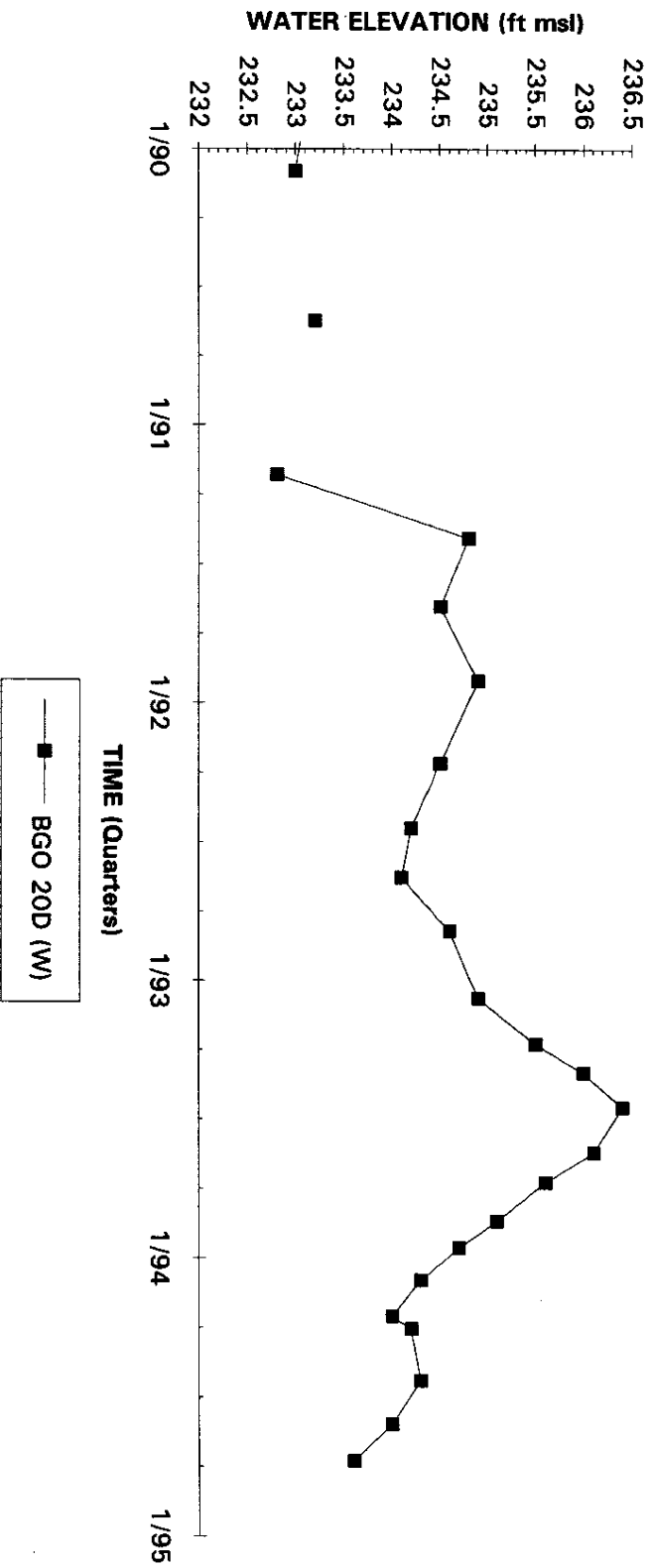
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 19D



Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

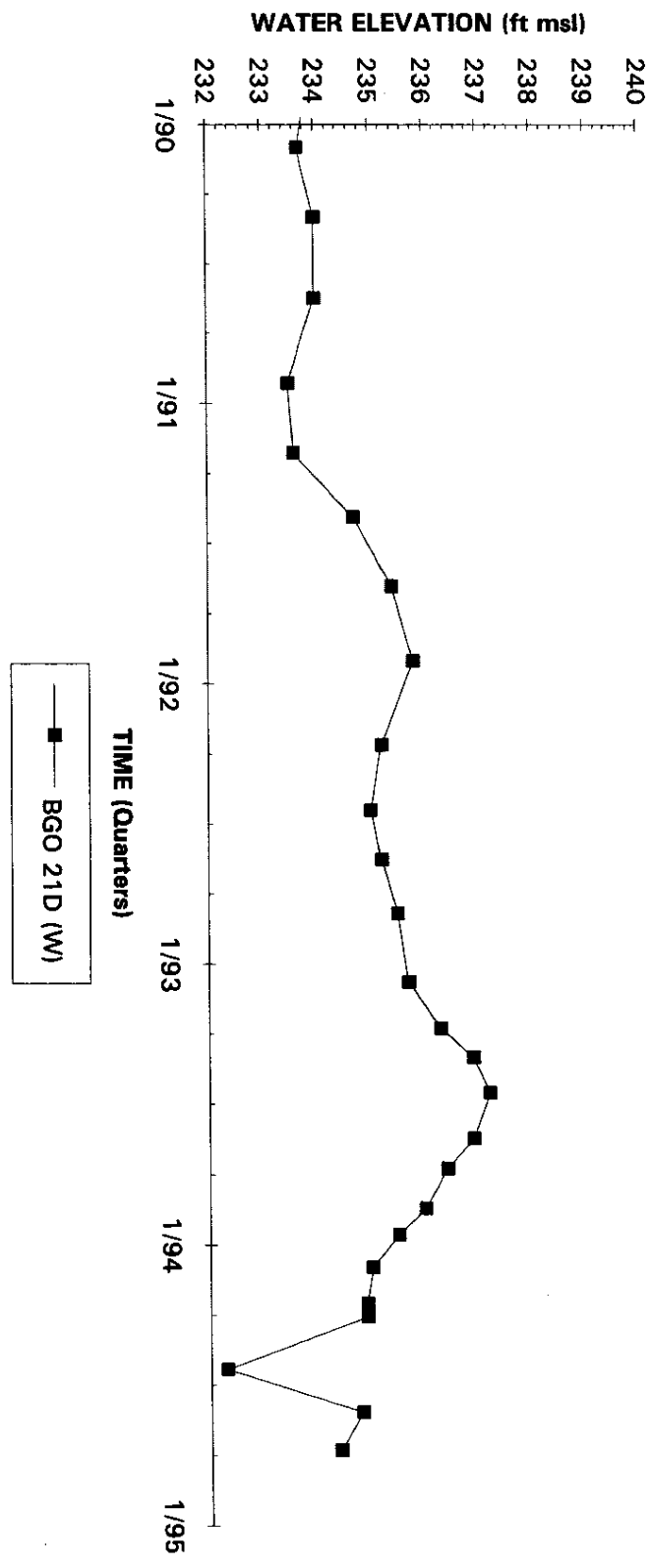
## Hydrograph Well BGO 20D



Note: W=Water Table (IIB2); B=Barmwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

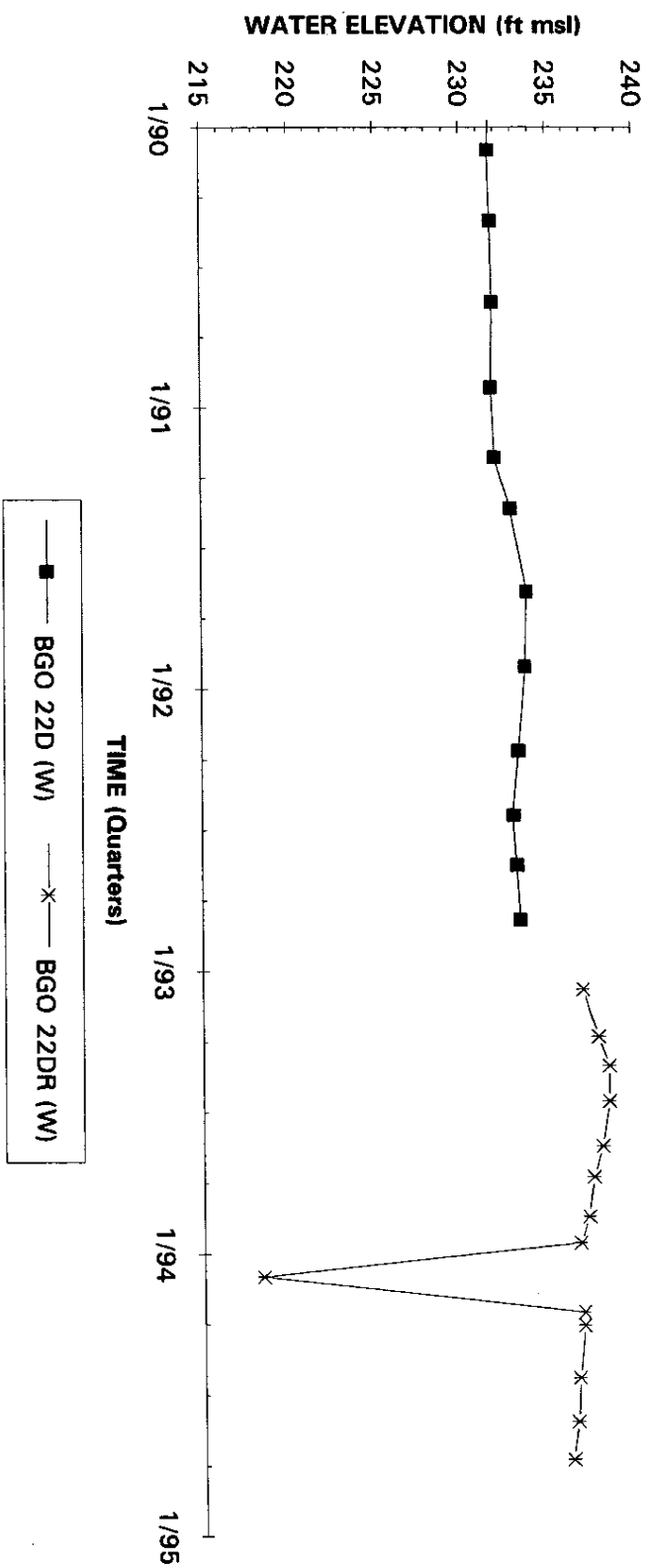


# Hydrograph Well BGO 21D



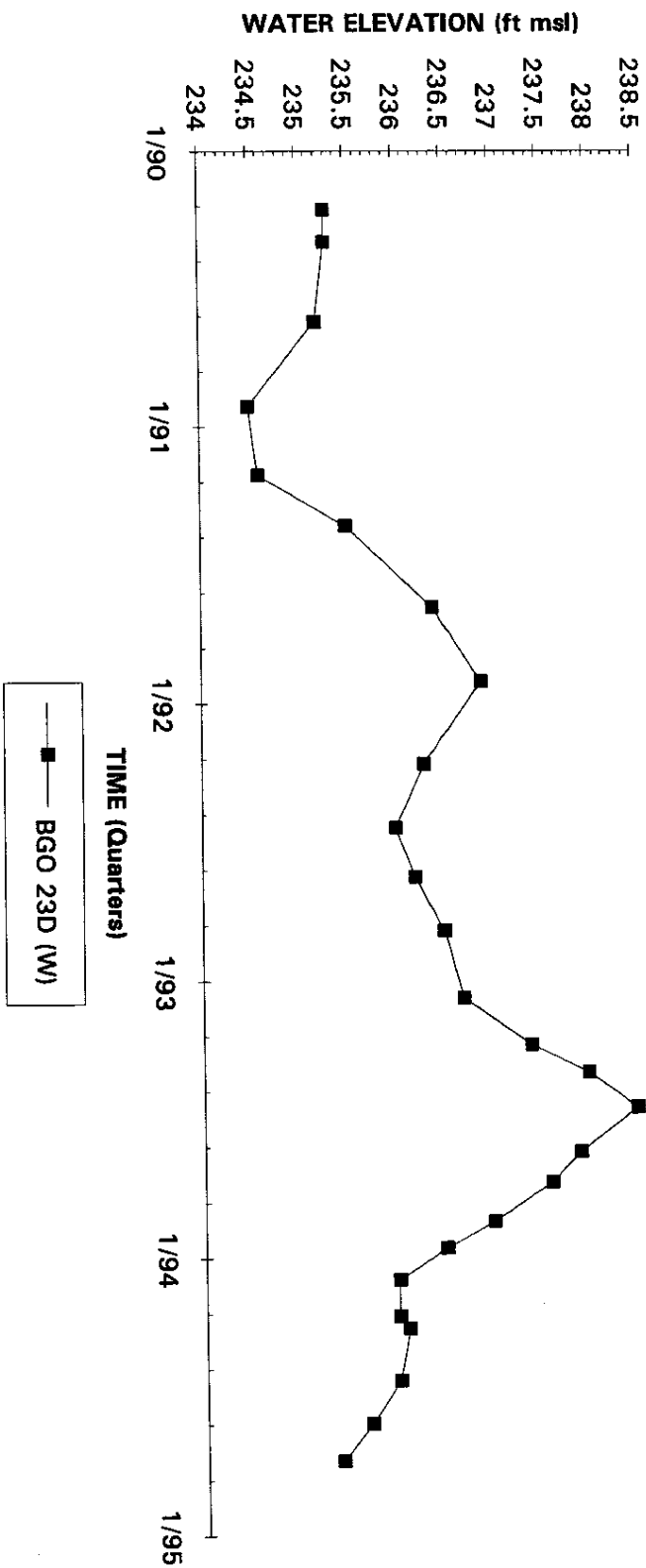
Note: W=Water Table (IIB2); B=Barmwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 22



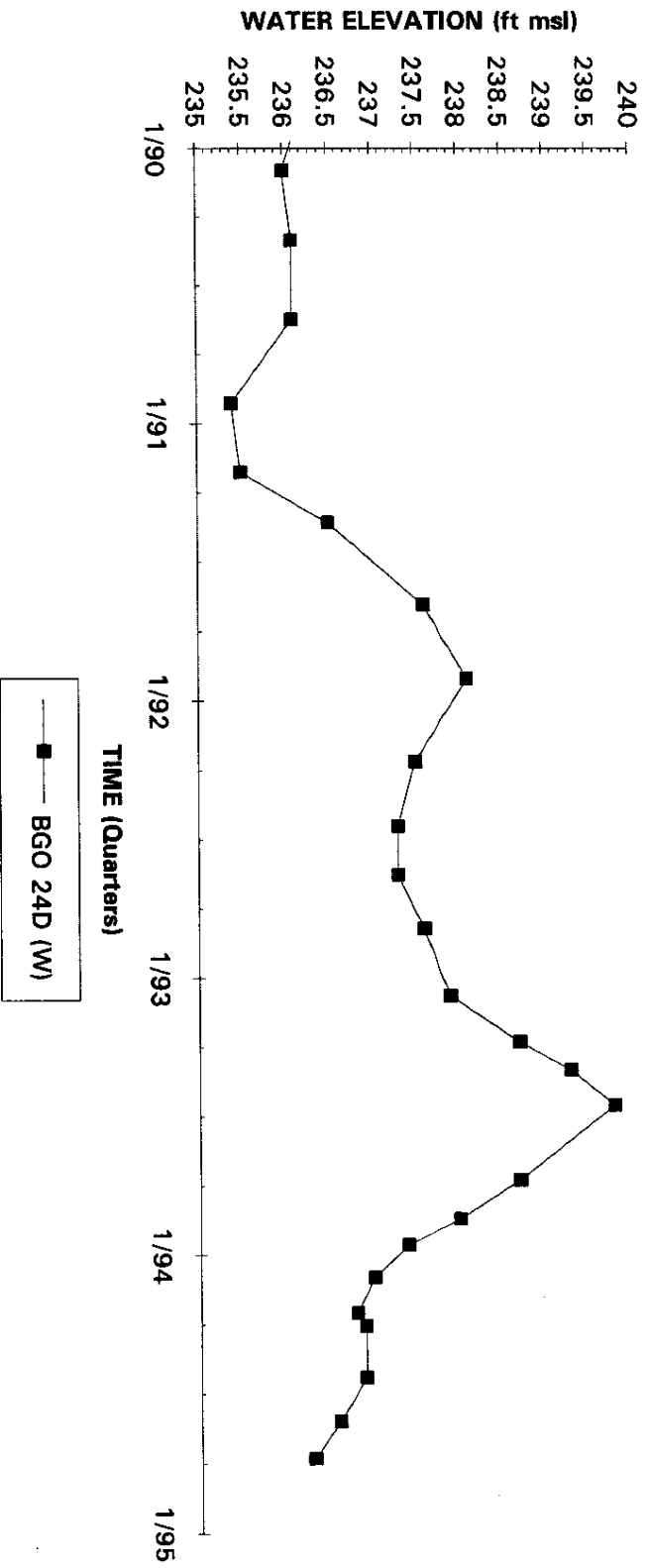
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 23D



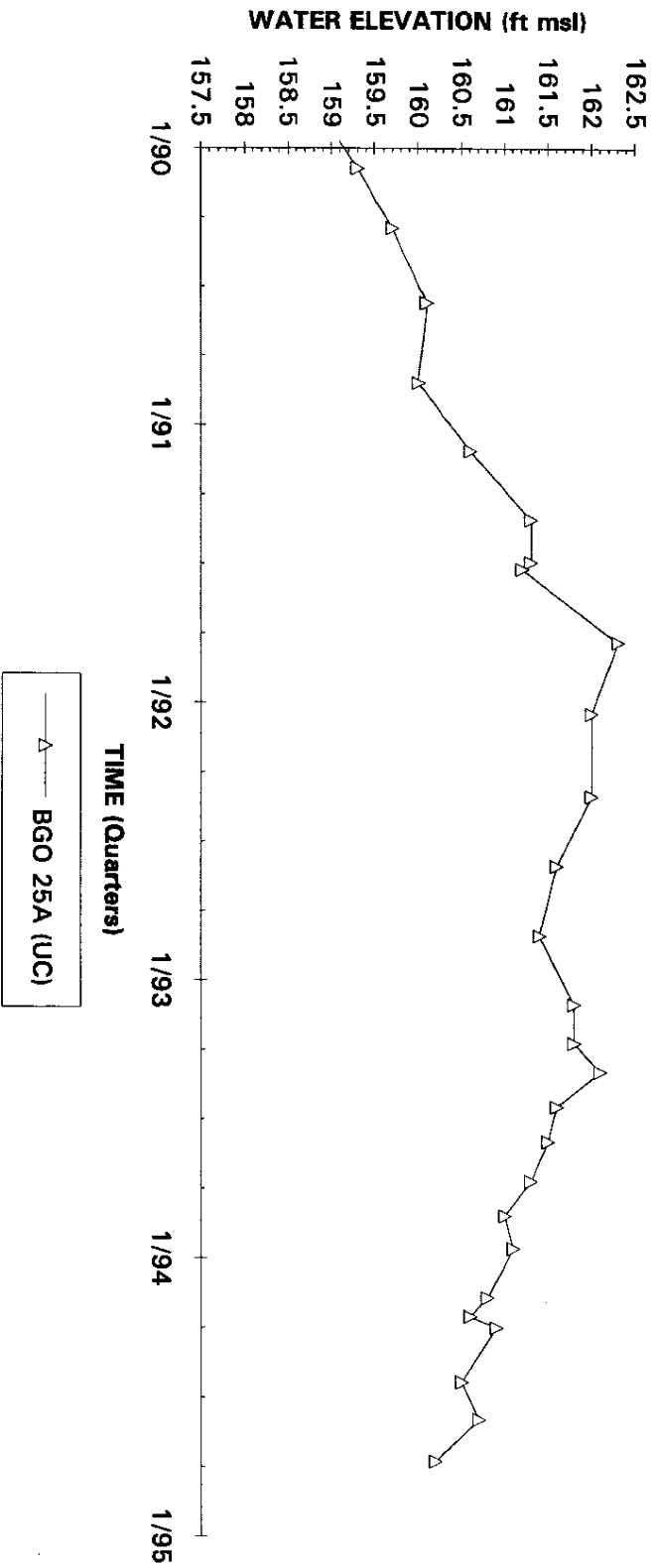
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 24D



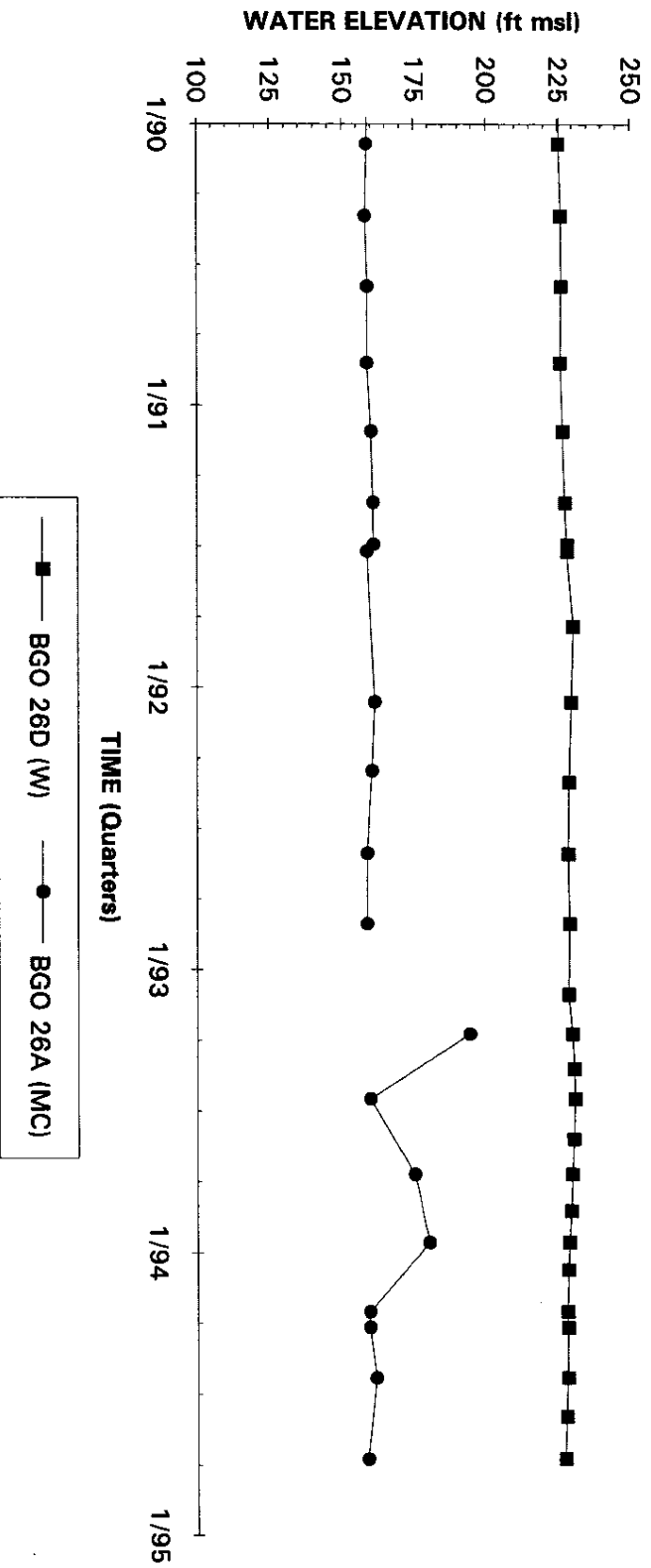
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 25A



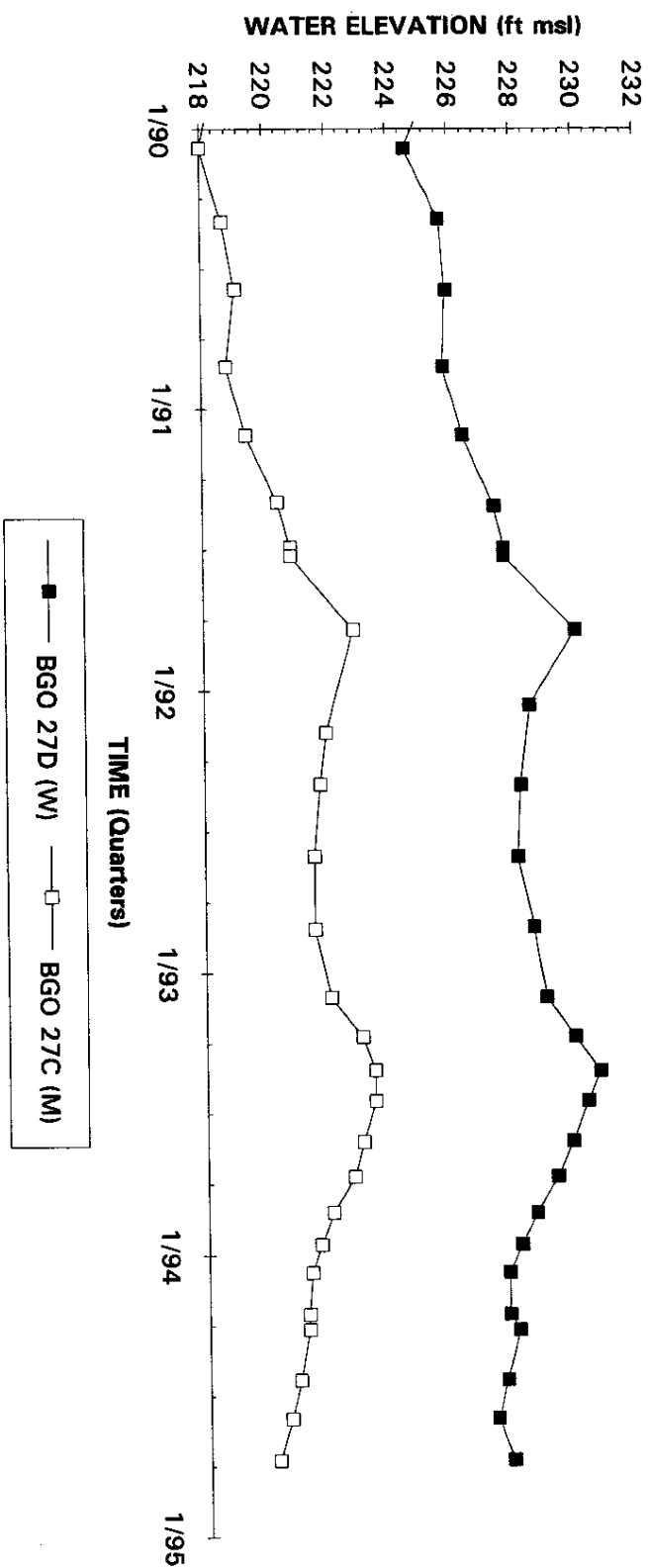
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 26



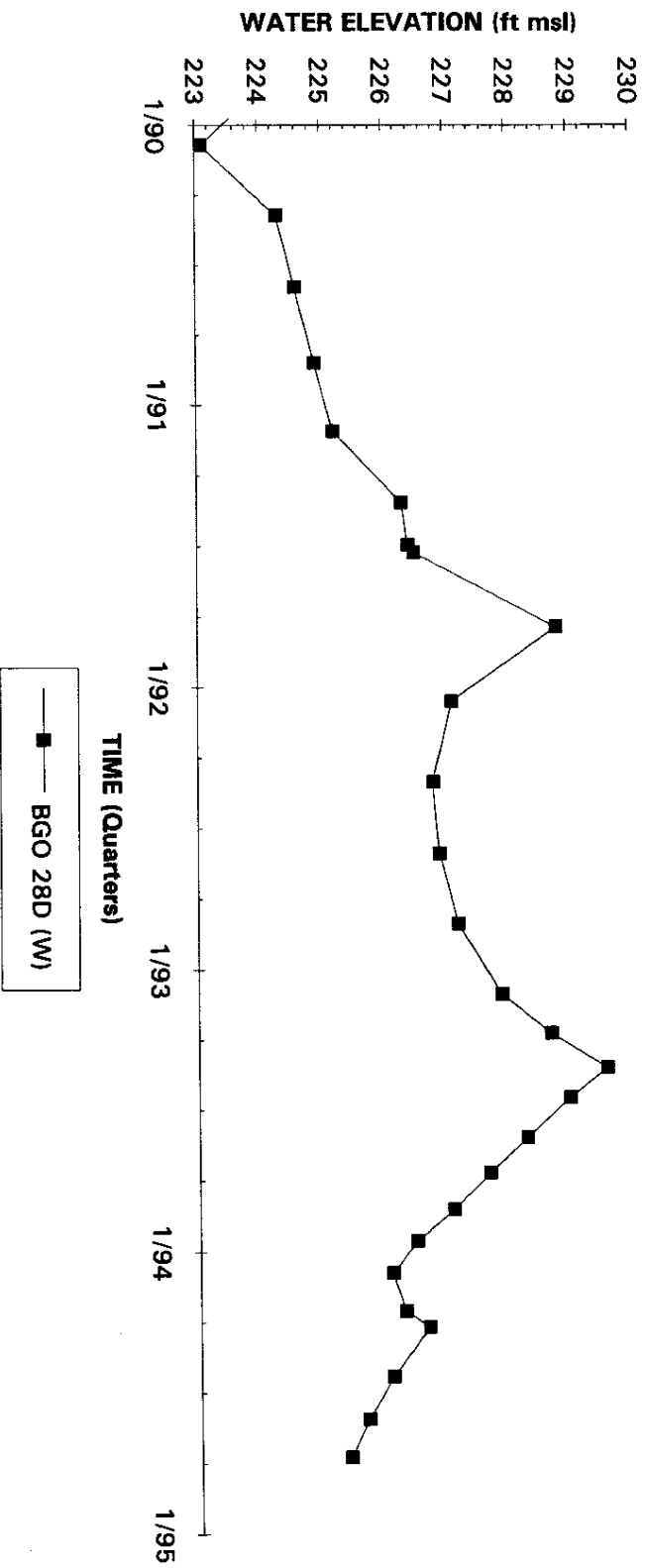
Note: W=Water Table (IIB2); B=Barmwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 27



Note: W=Water Table (IIB2); B=Barrwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

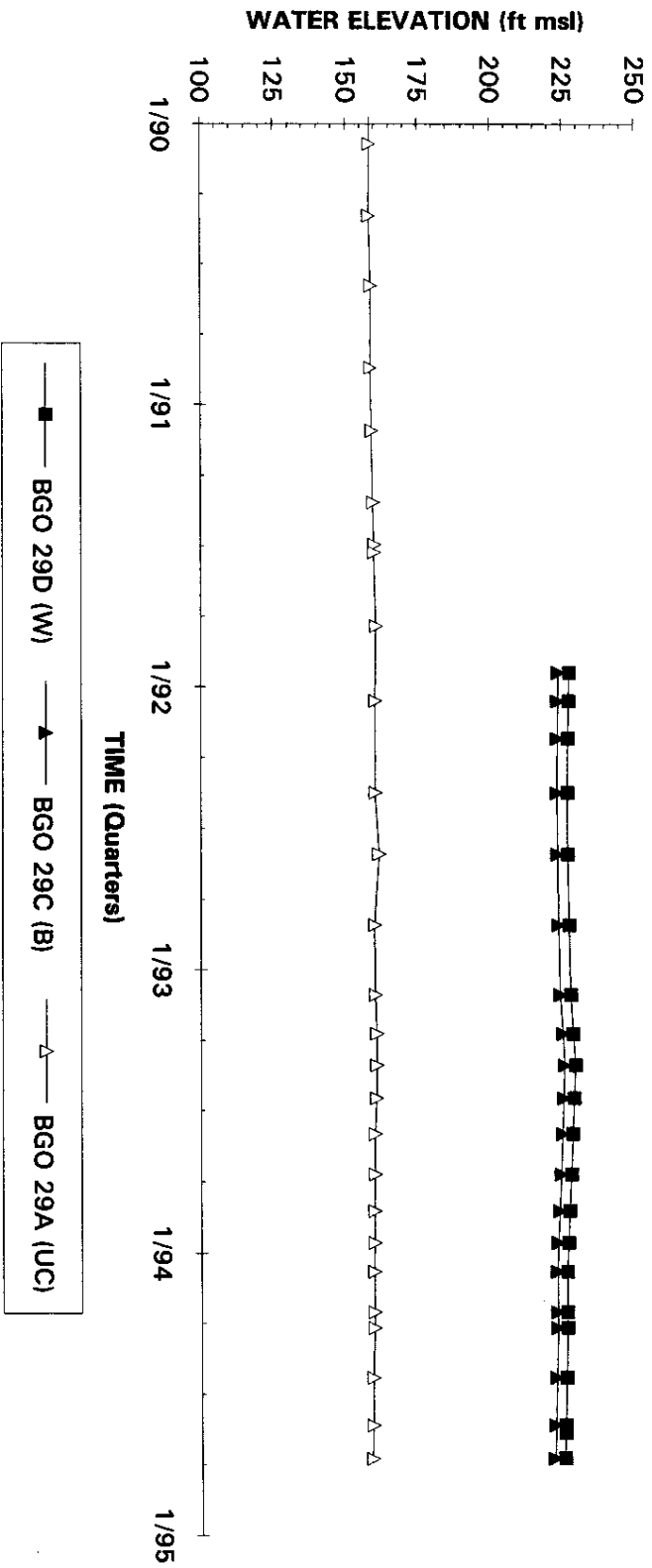
## Hydrograph Well BGO 28D



Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

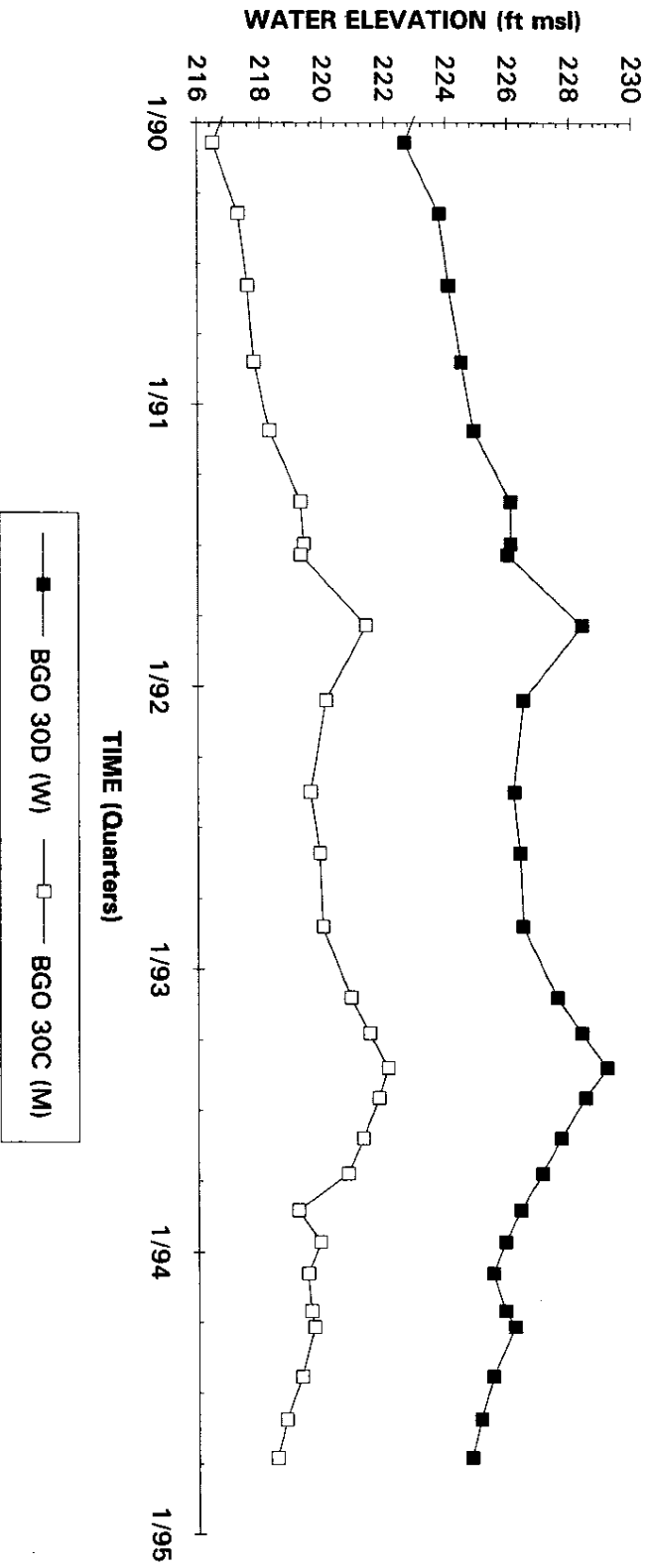


## Hydrograph Well Cluster BGO 29



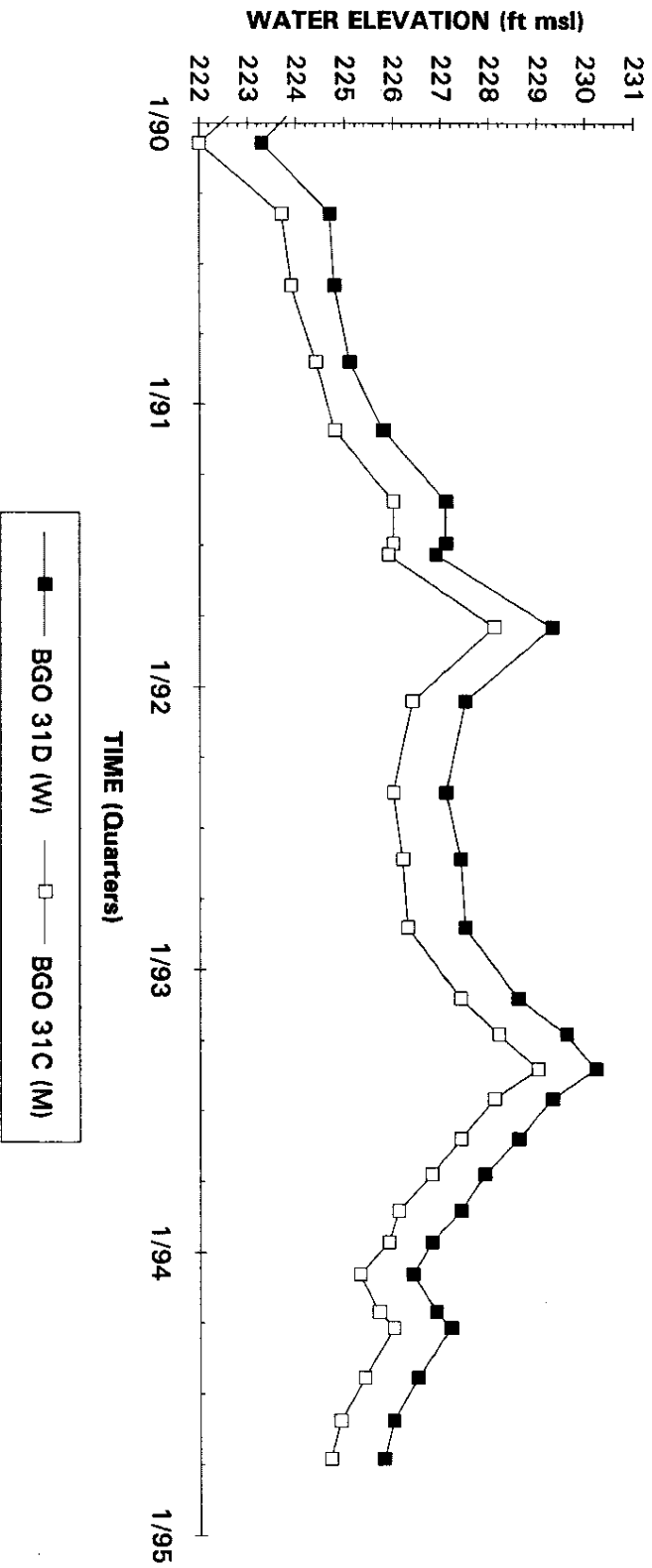
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 30



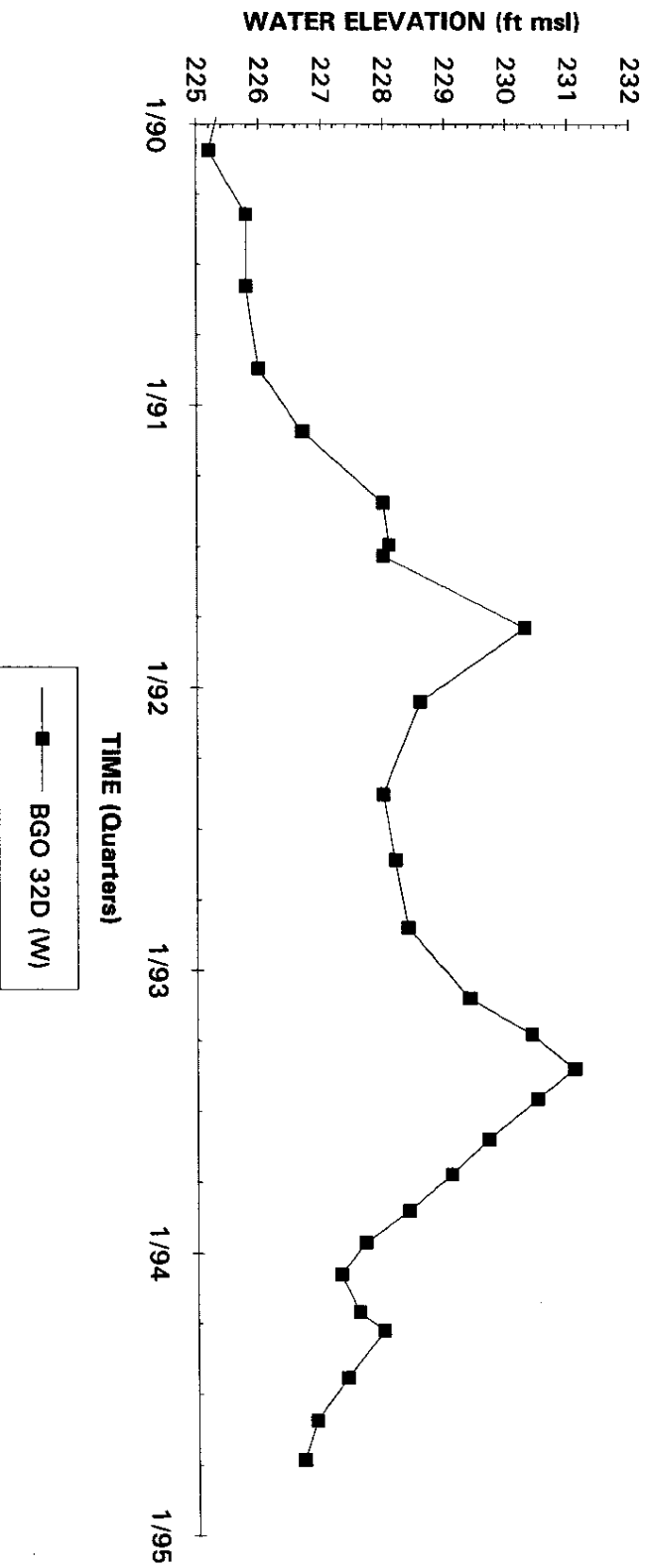
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 31



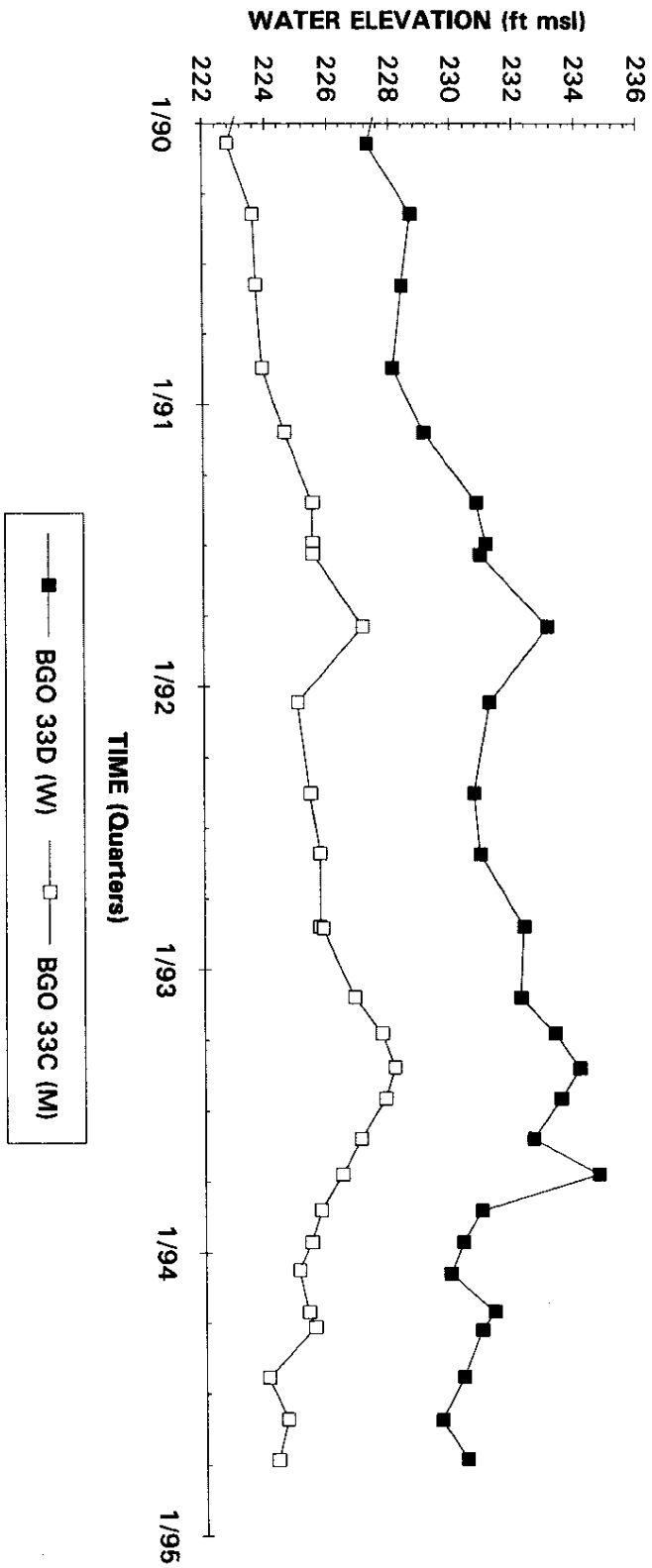
Note: W=Water Table (IIB2); B=Bartwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 32D



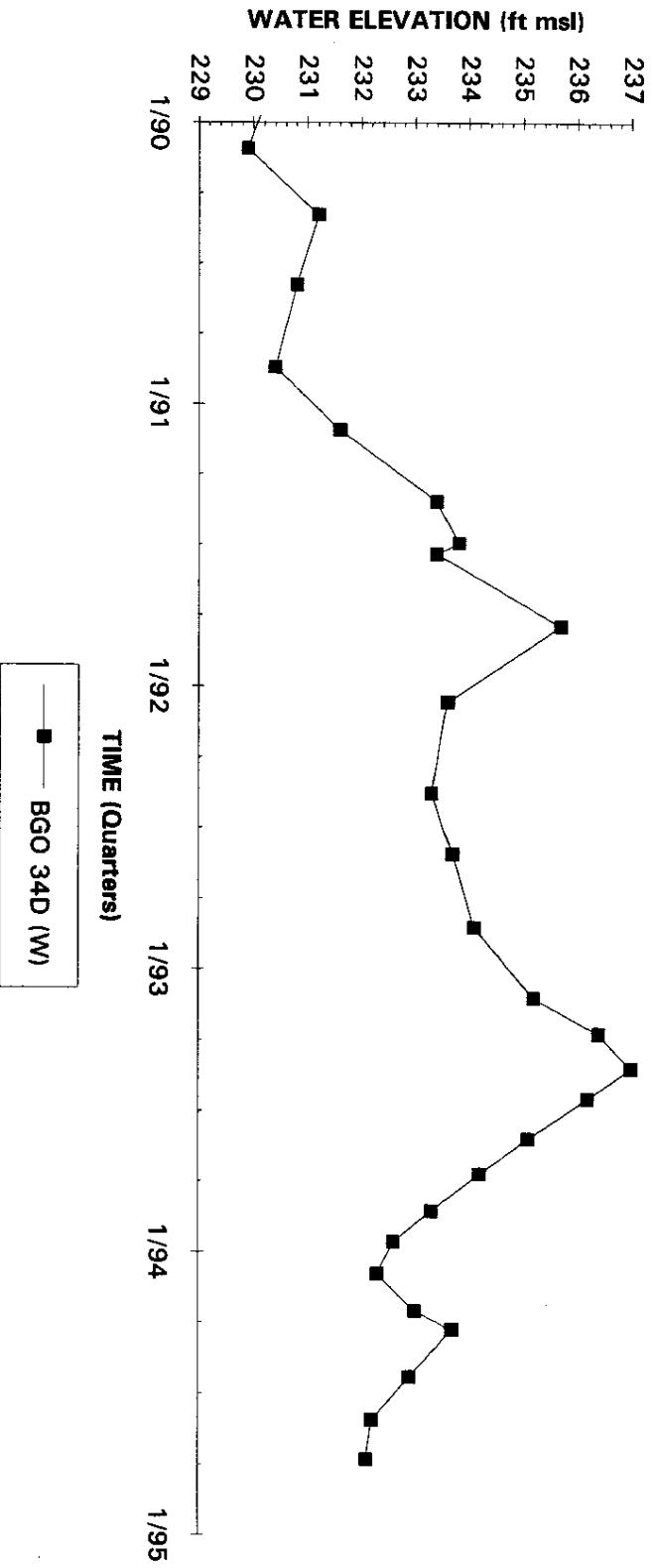
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 33



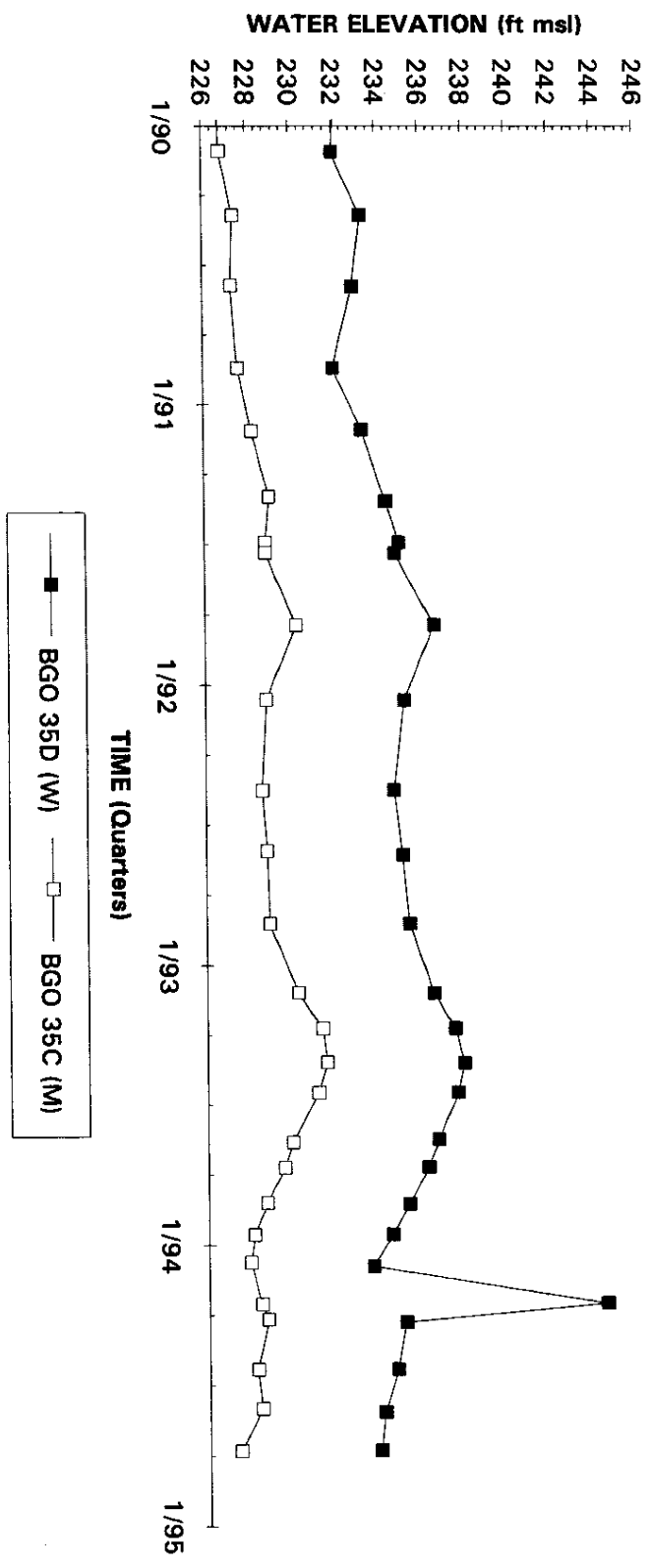
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 34D



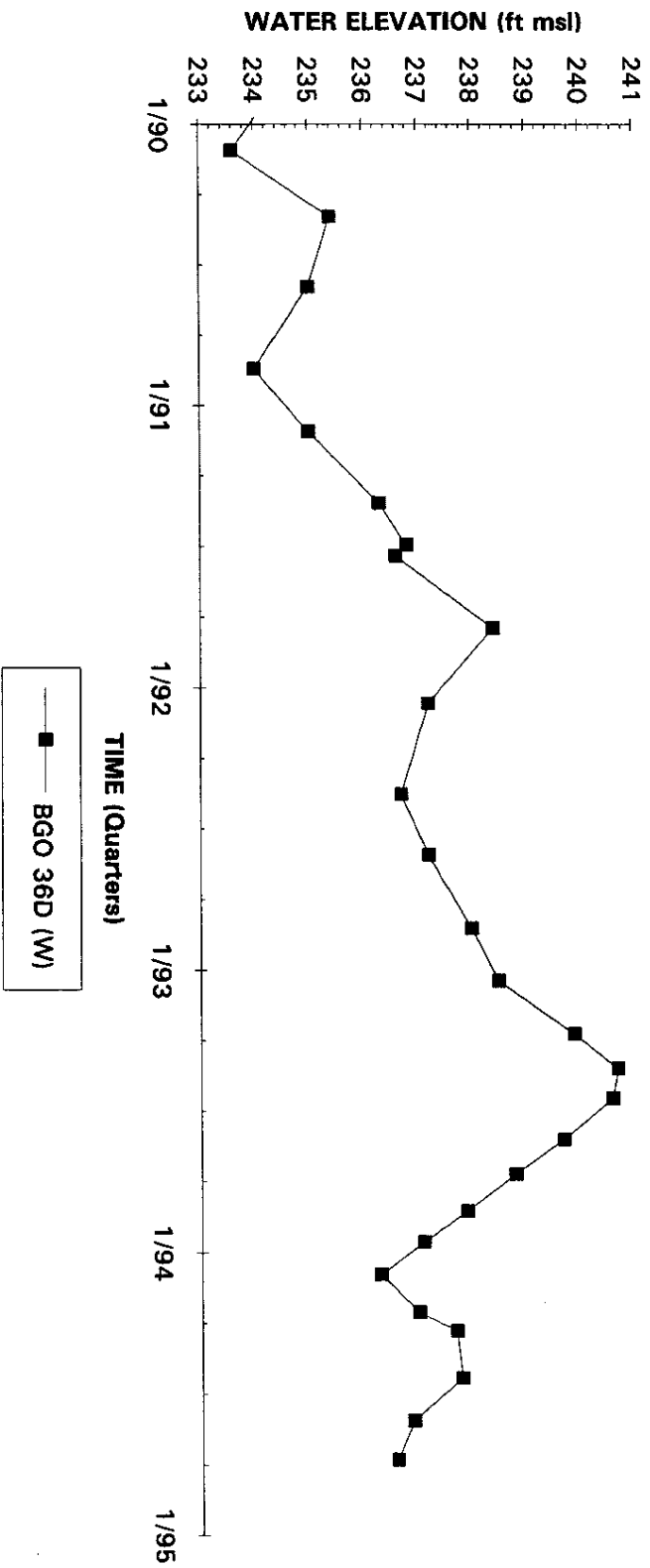
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Hydrograph Well Cluster BGO 35



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

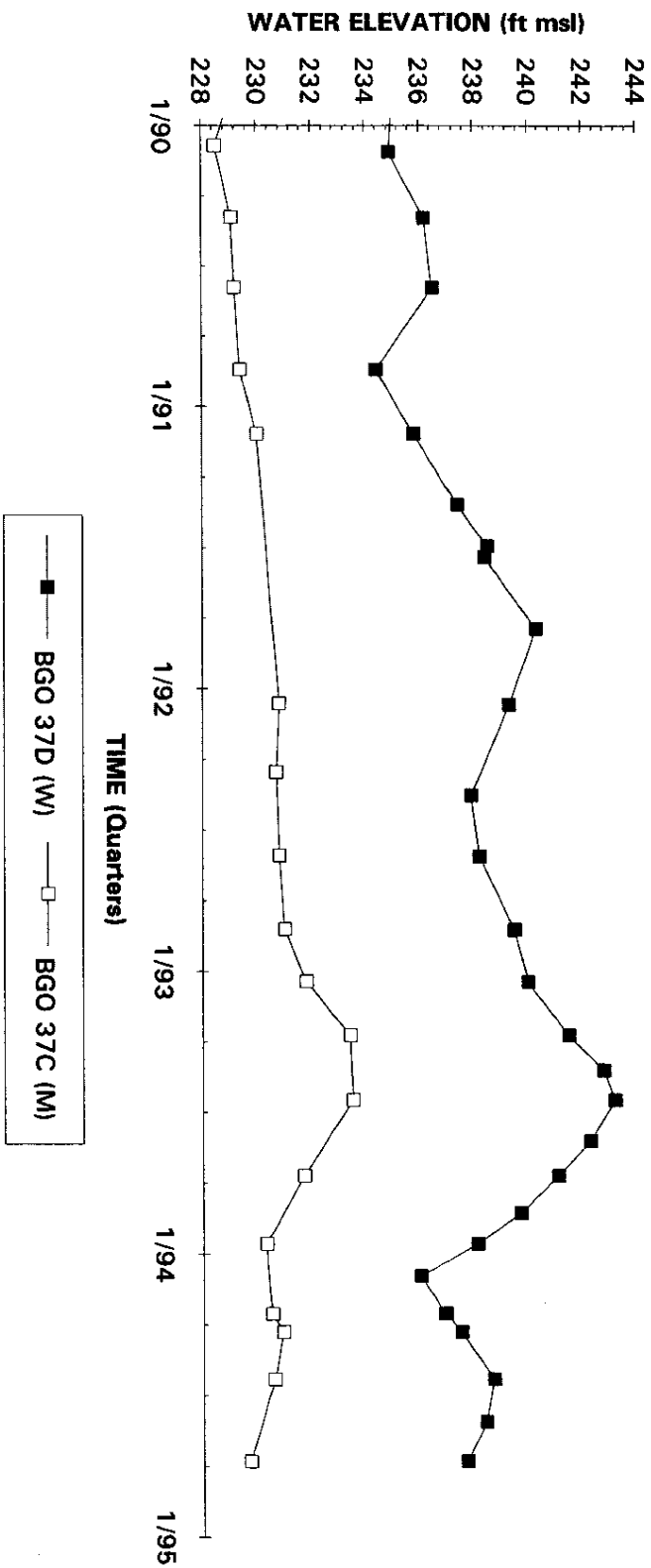
## Hydrograph Well BGO 36D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

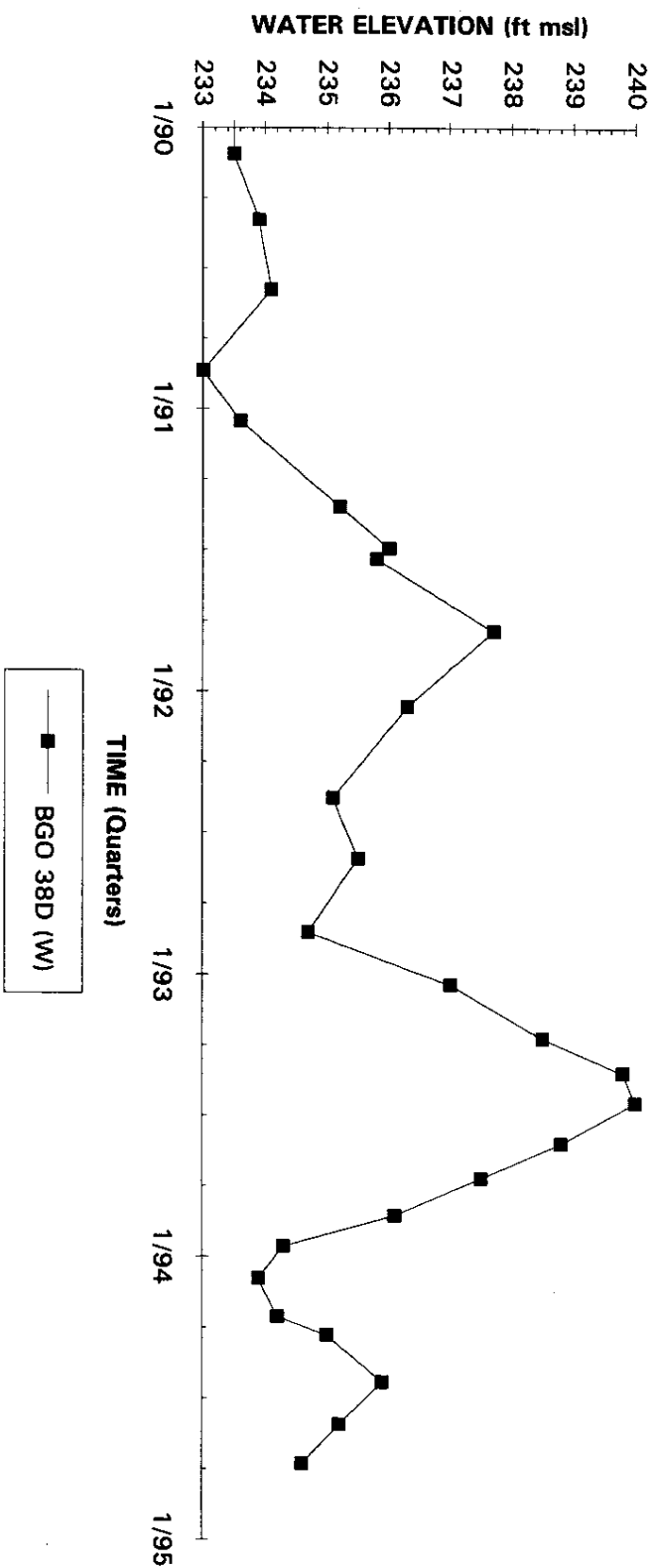


## Hydrograph Well Cluster BGO 37



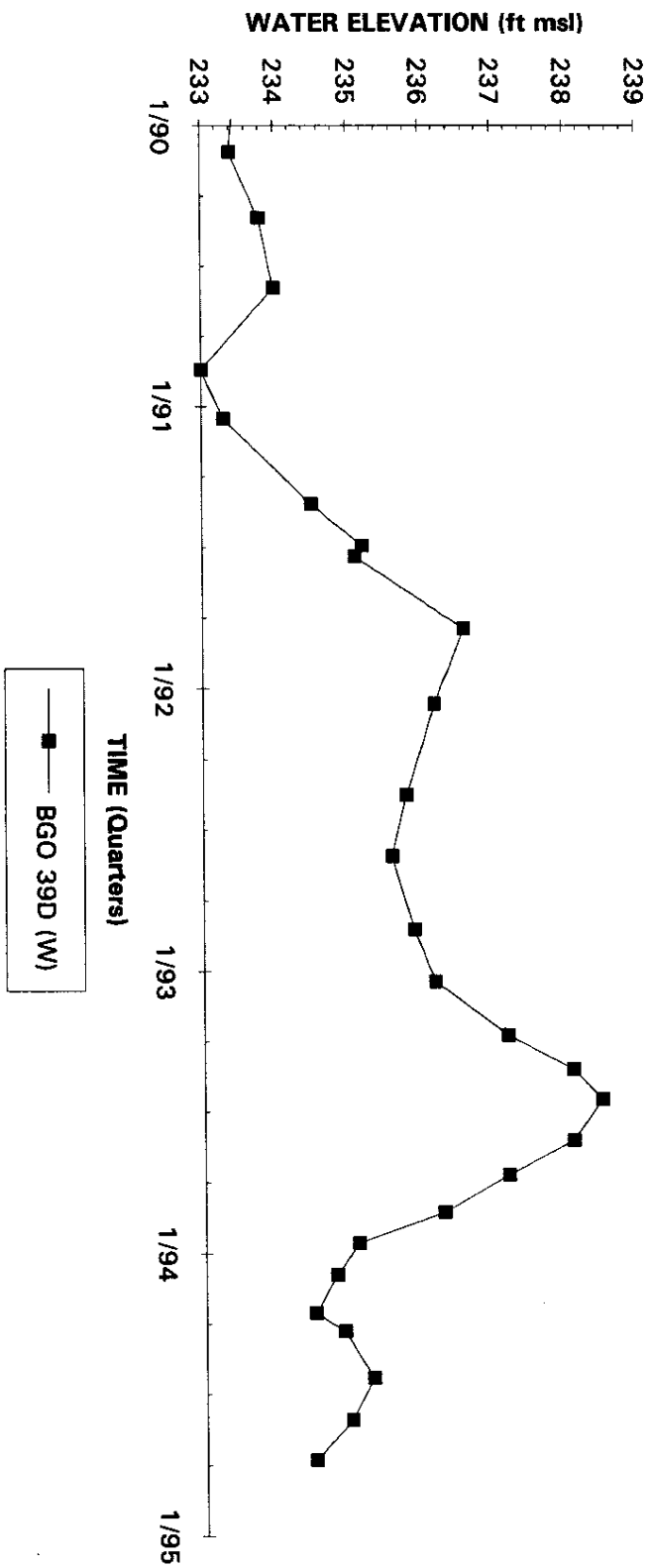
Note: W=Water Table (IIB2); B=Barrwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 38D



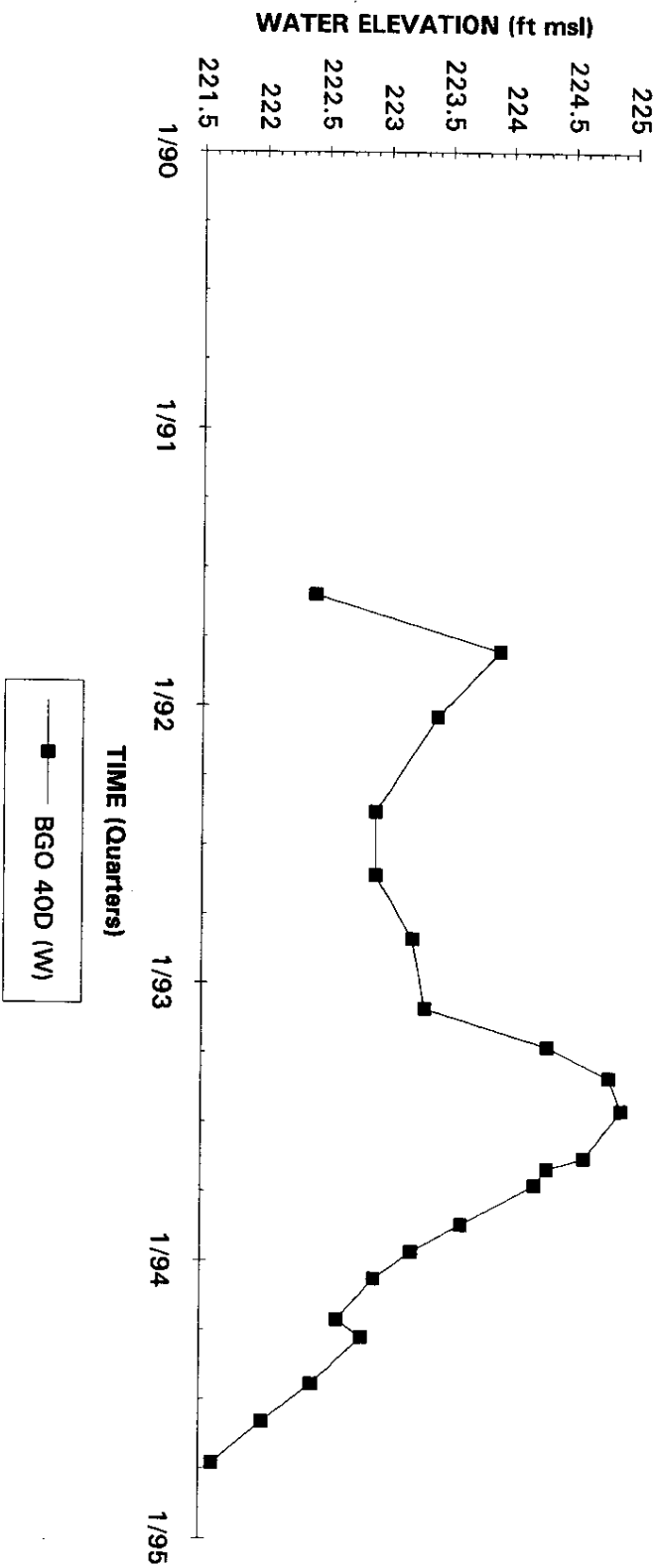
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 39D



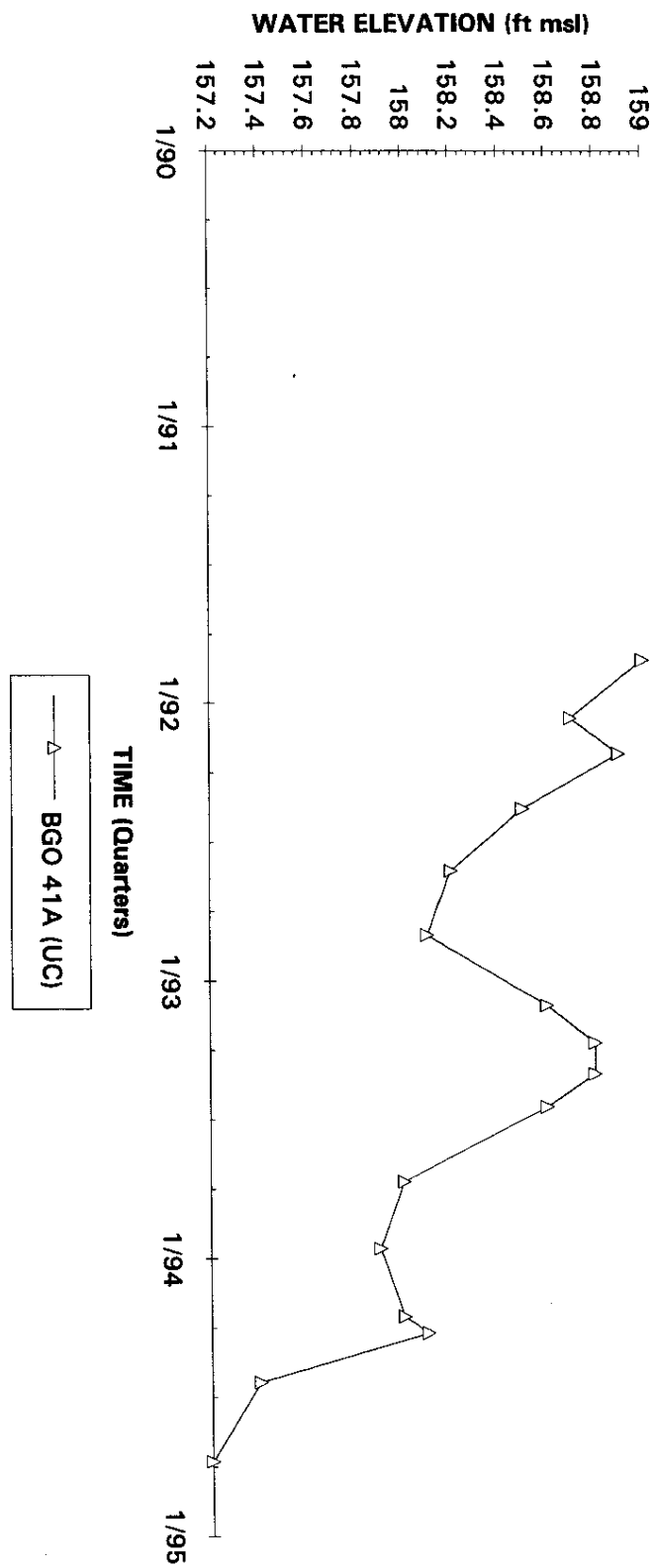
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 40D



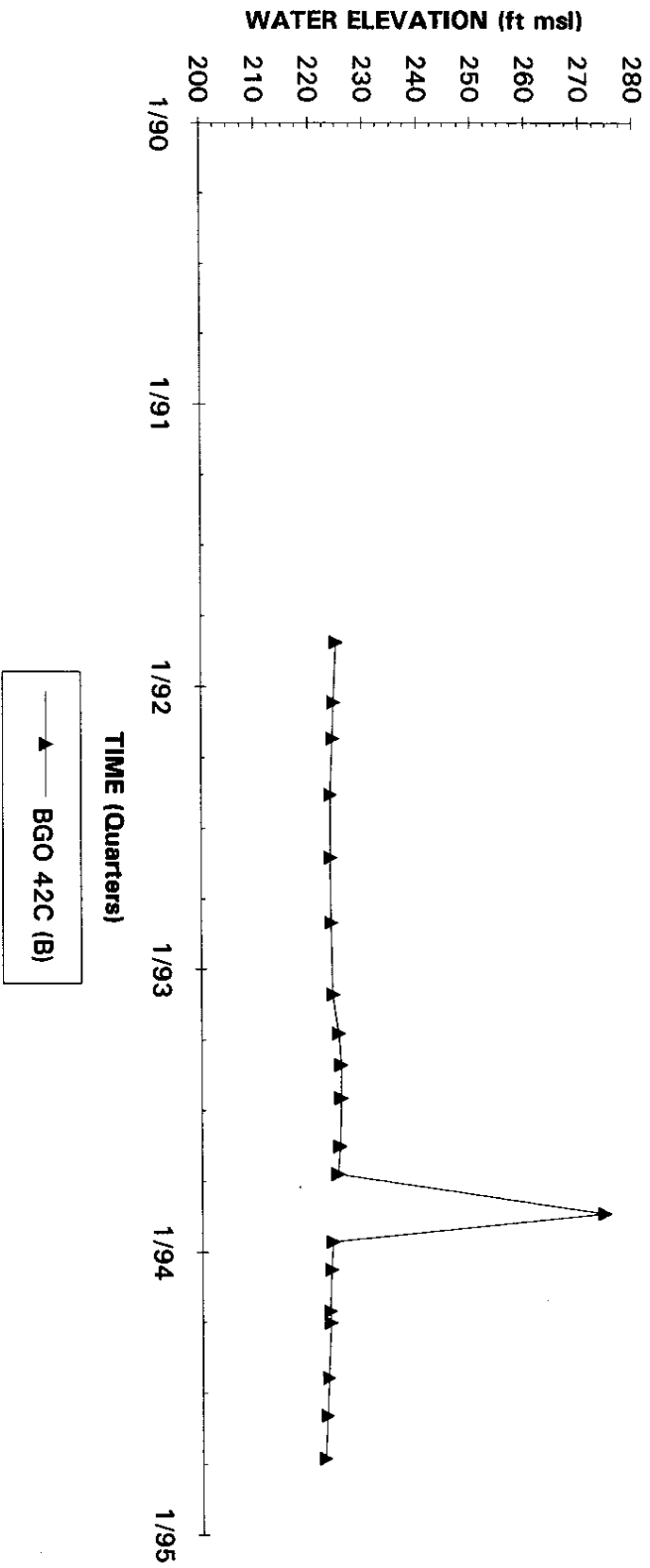
Note: W=Water Table (IB2); B=Bartwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Hydrograph Well BGO 41A



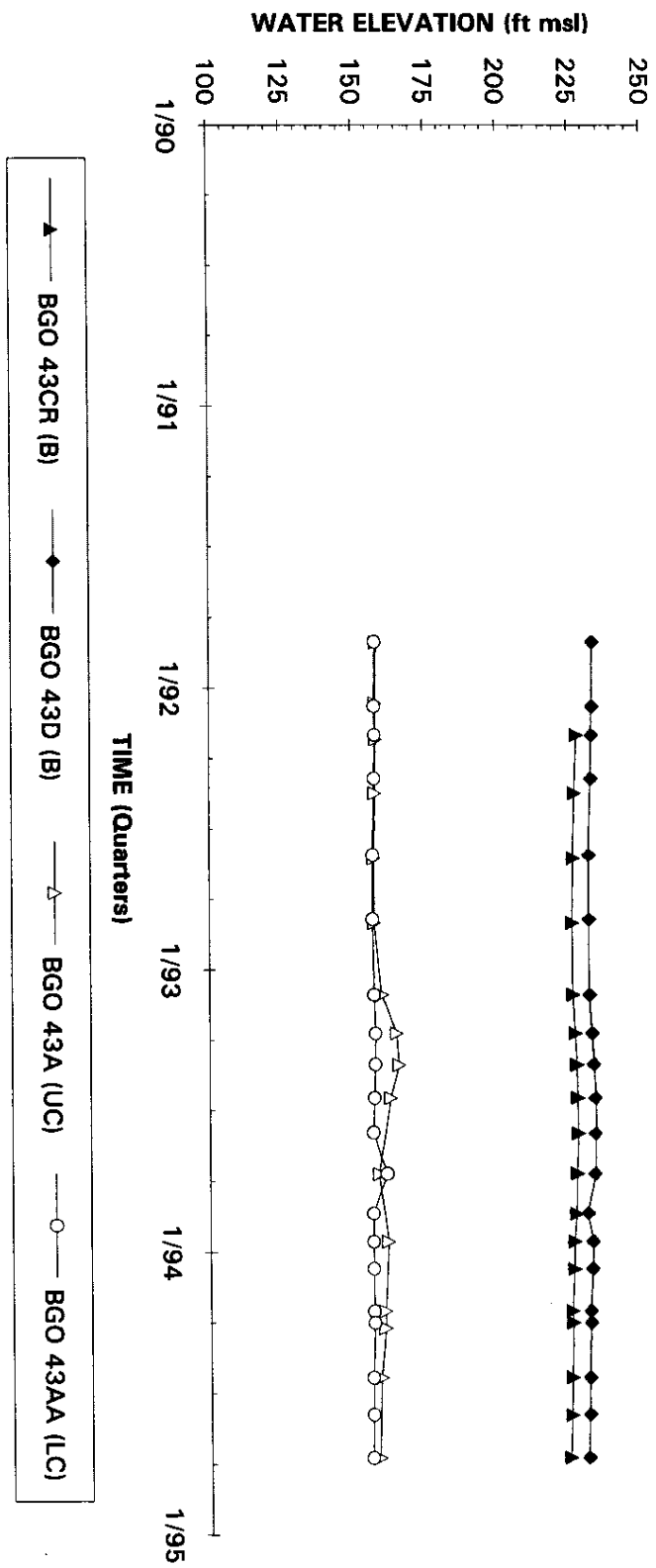
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGO 42C



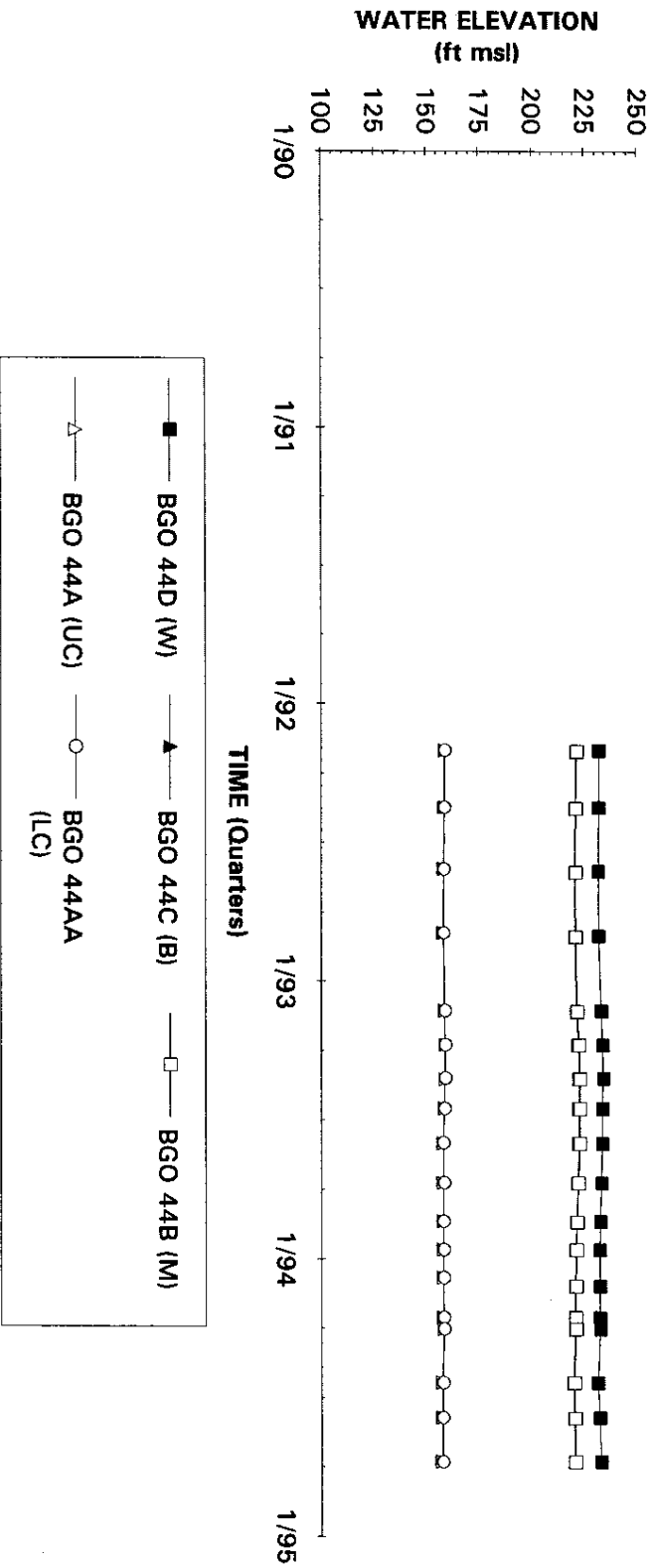
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 43



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

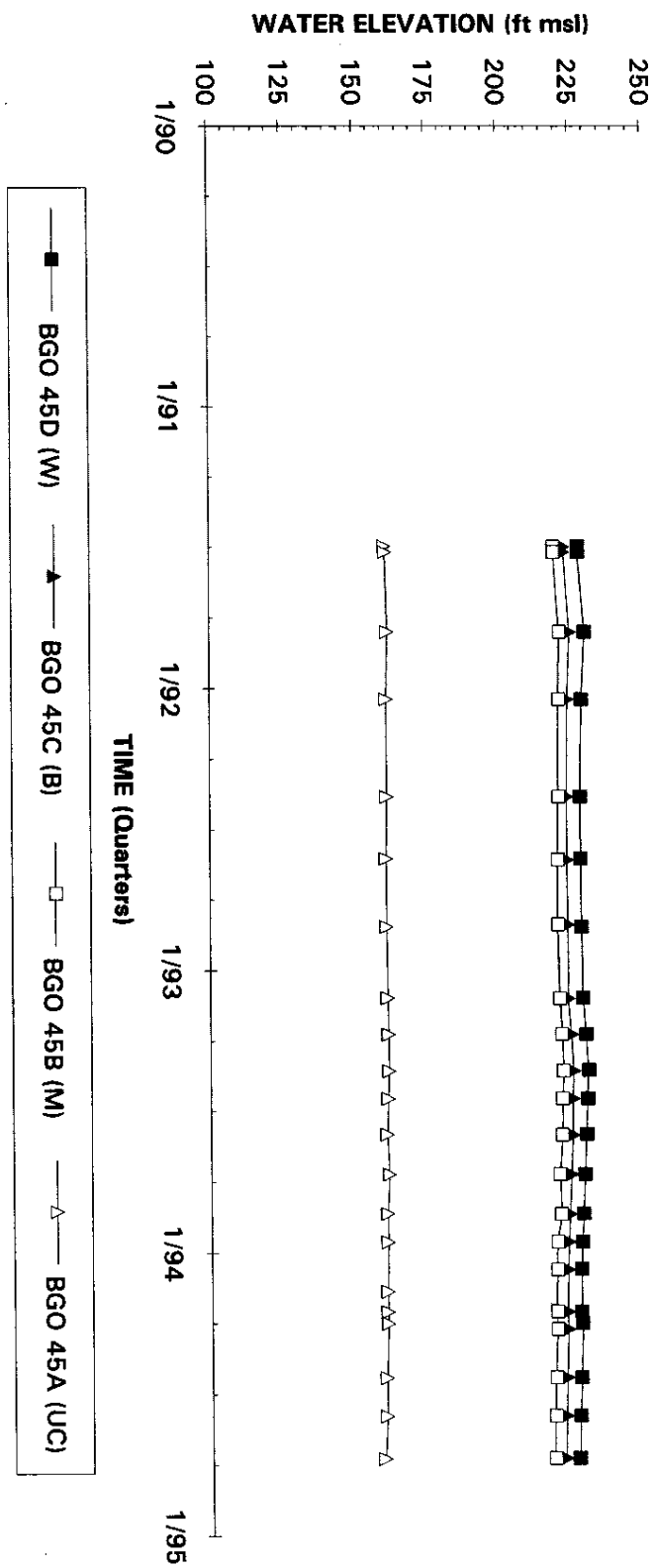
## Hydrograph Well Cluster BGO 44



Note: W=Water Table (IIB2), B=Barnwell (IIB1), M=McBean (IIB1), UC=Upper Congaree (IIA), MC=Middle Congaree (IIA), LC=Lower Congaree (IIA)

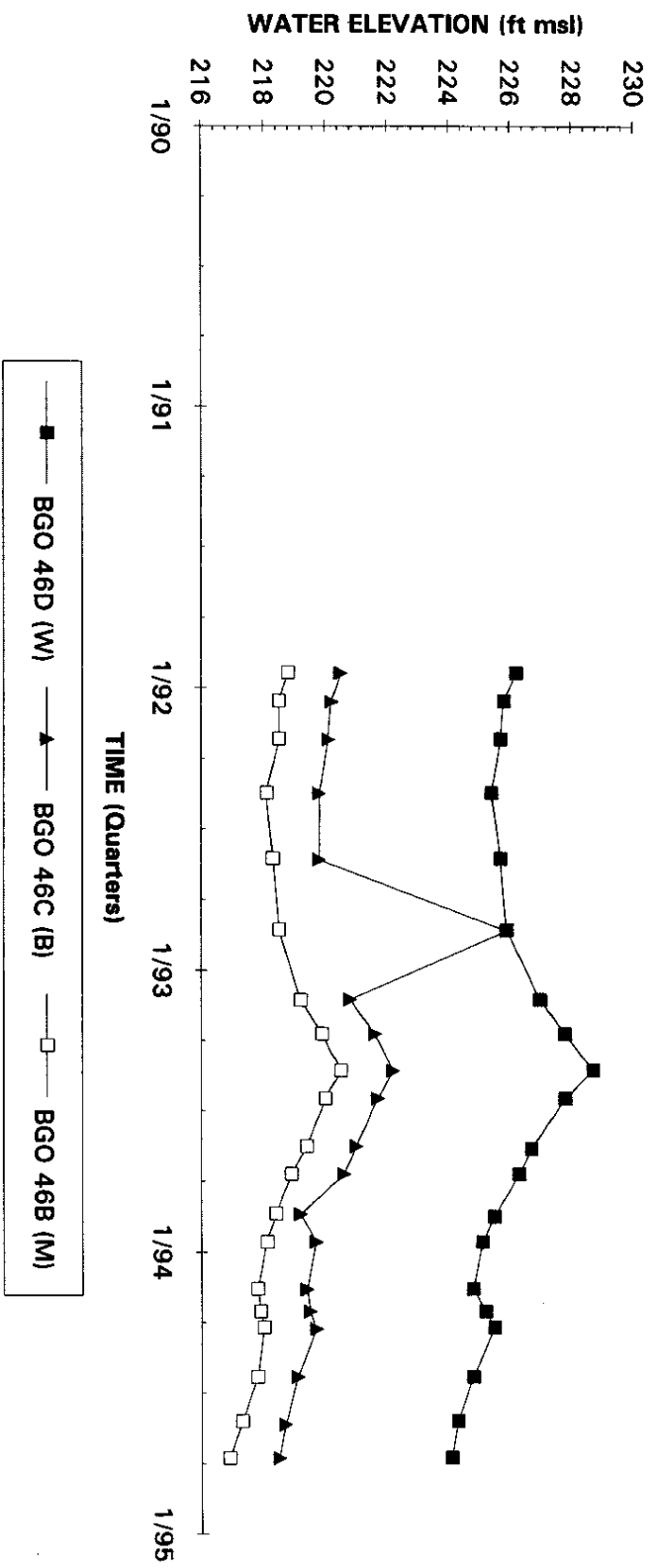


## Hydrograph Well Cluster BGO 45



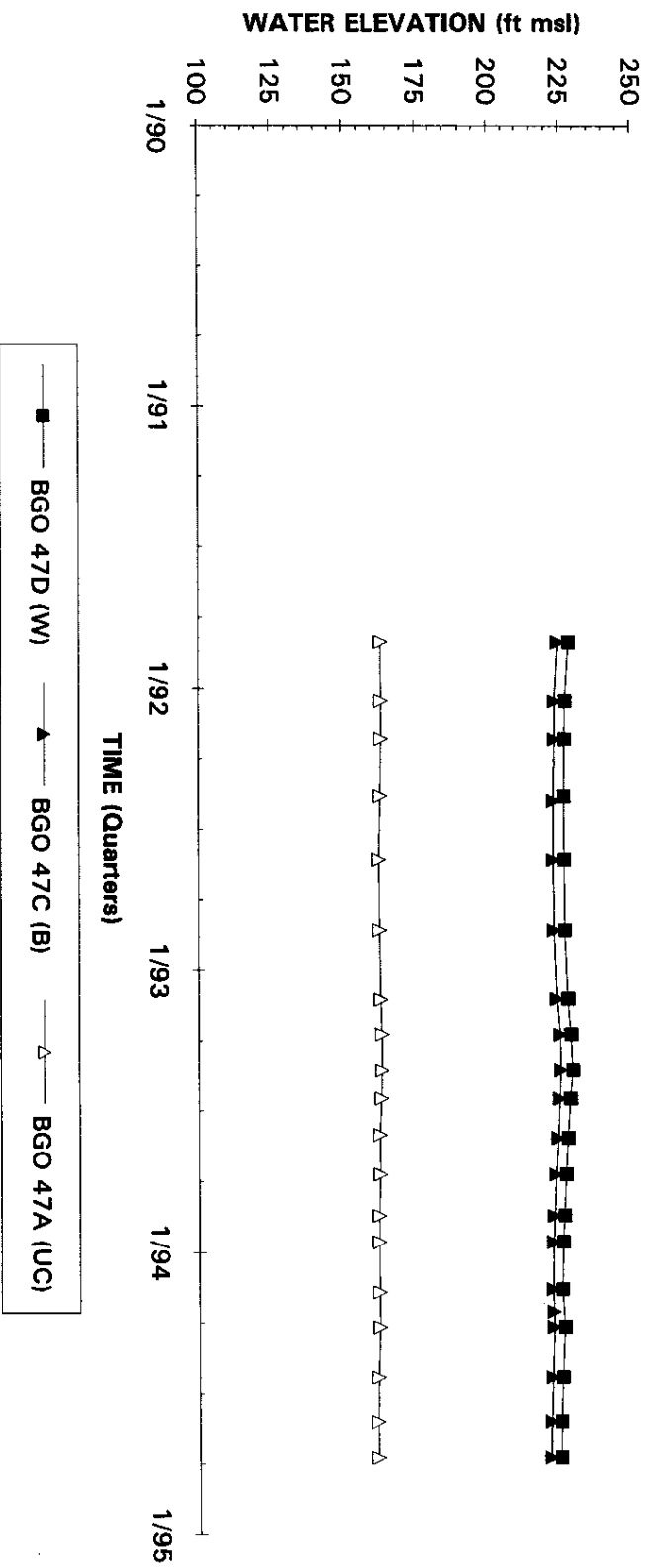
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 46



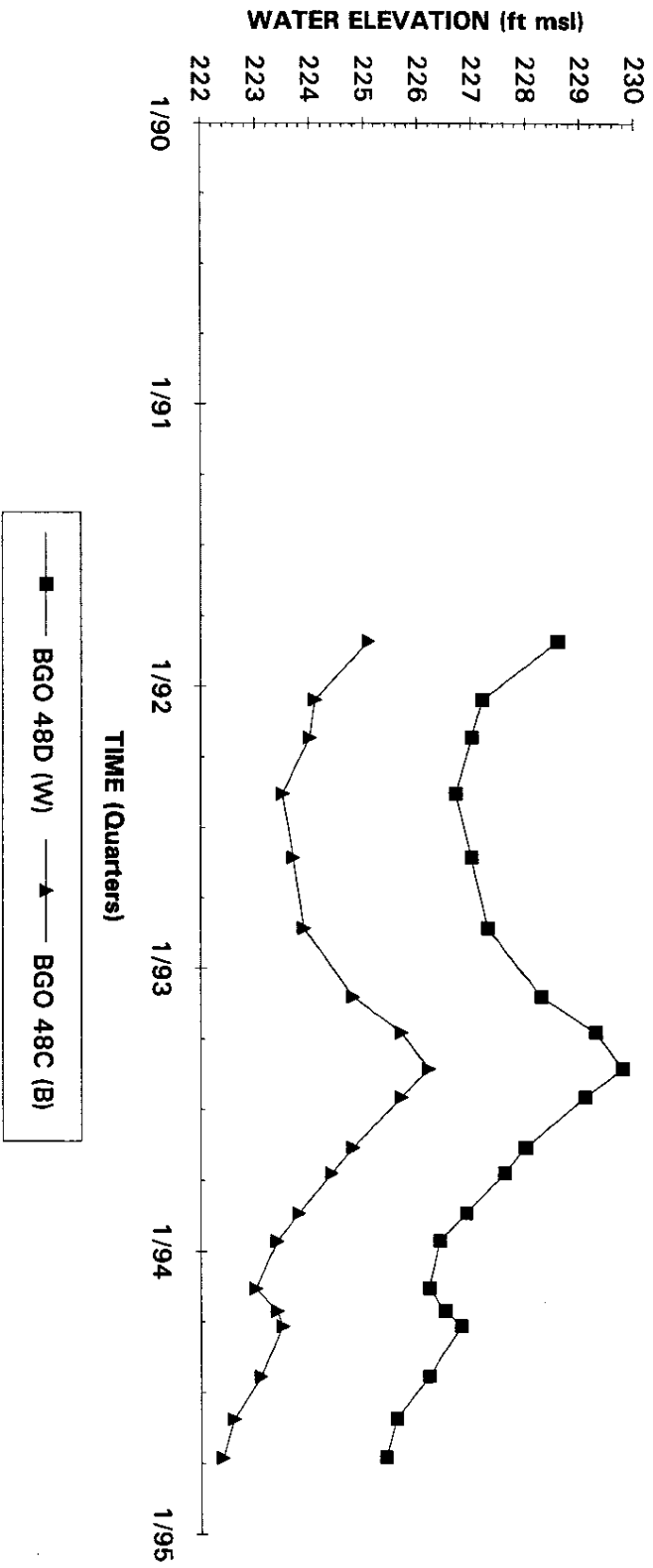
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 47



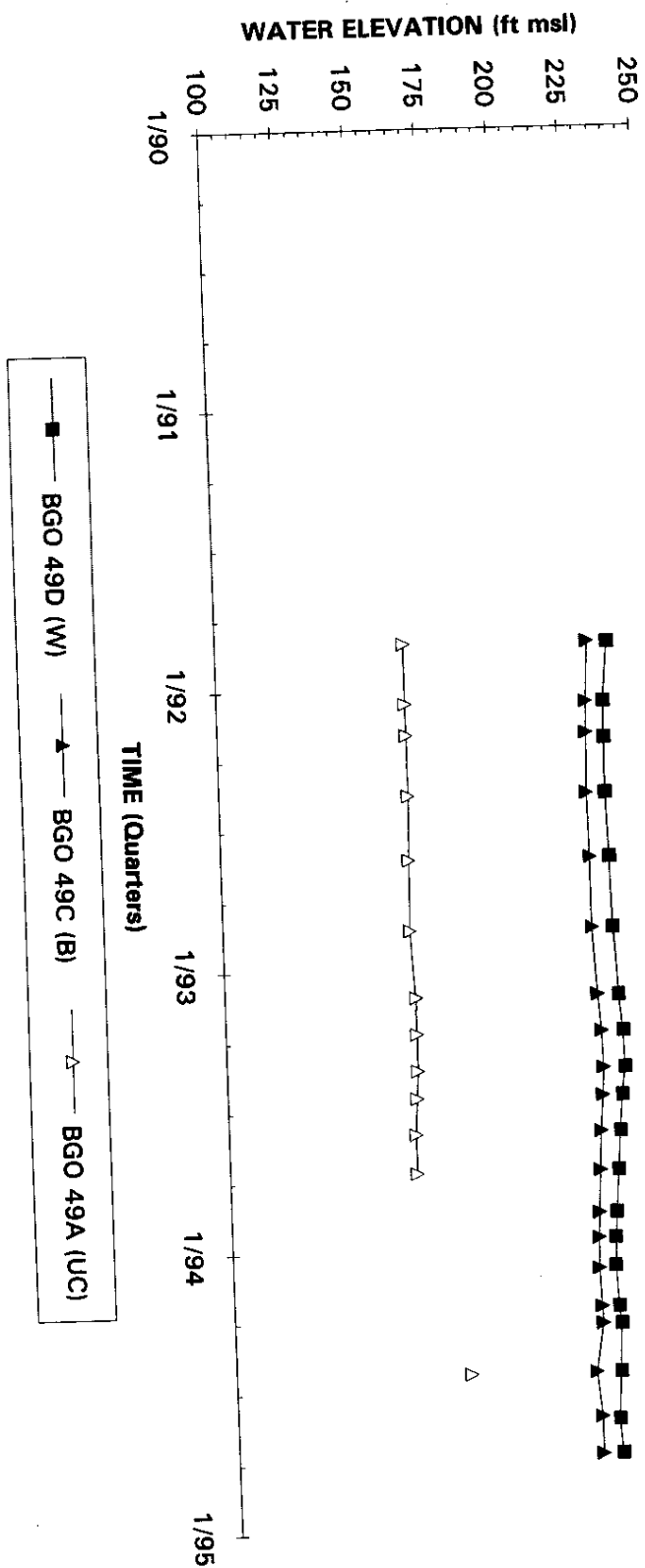
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 48



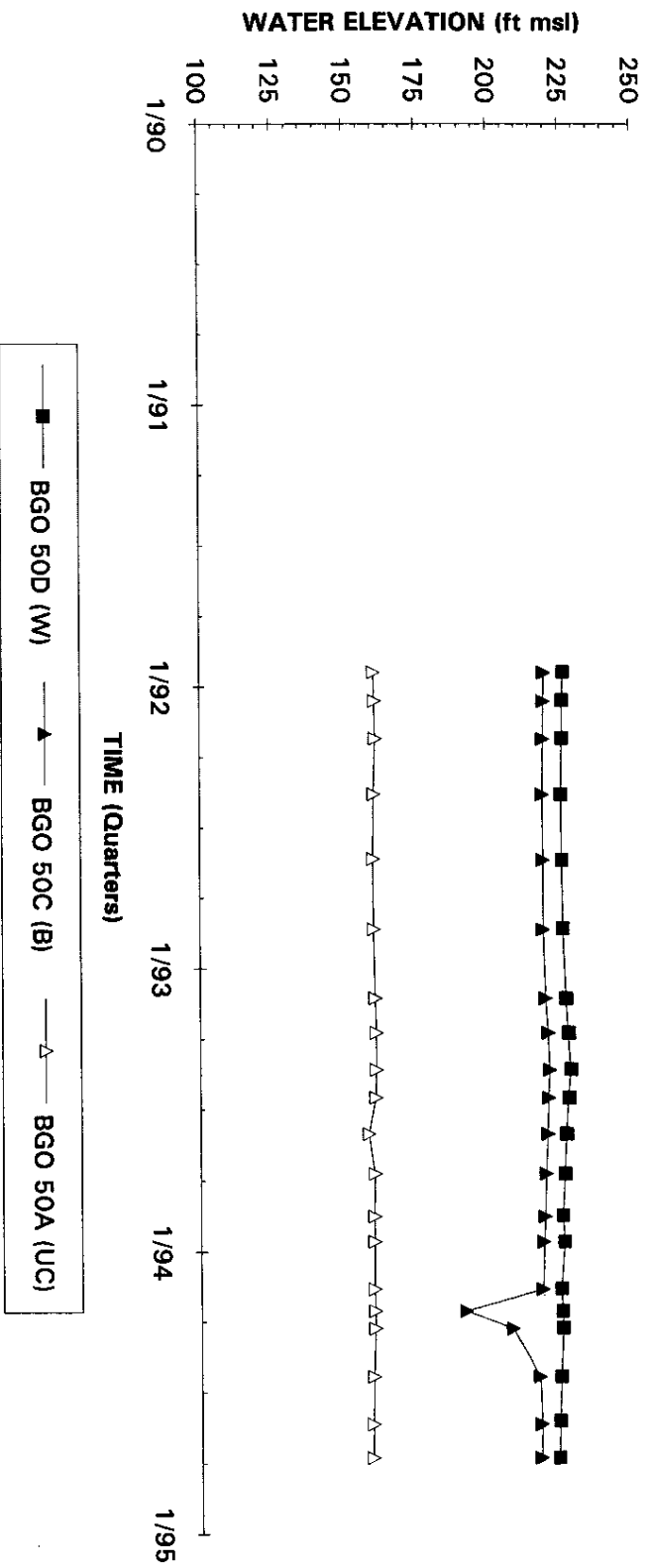
Note: W=Water Table (IIB2); B=Barmwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 49



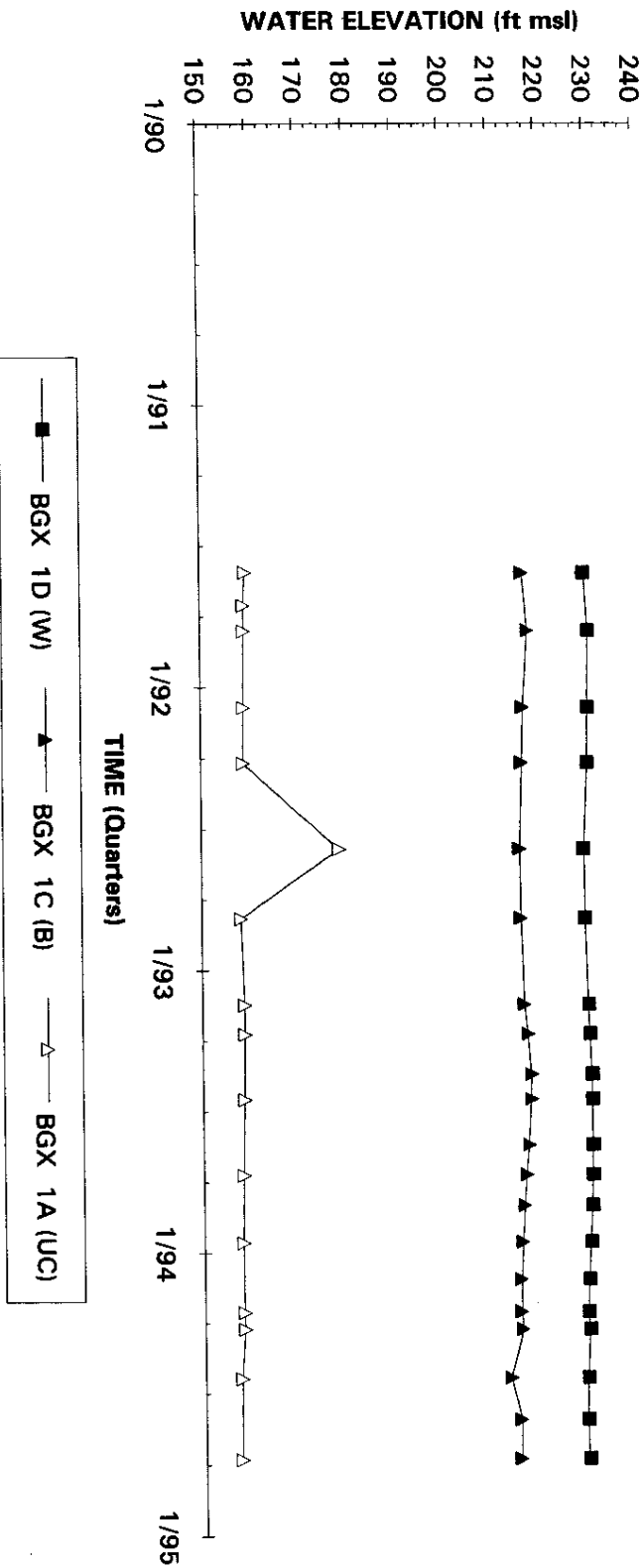
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGO 50



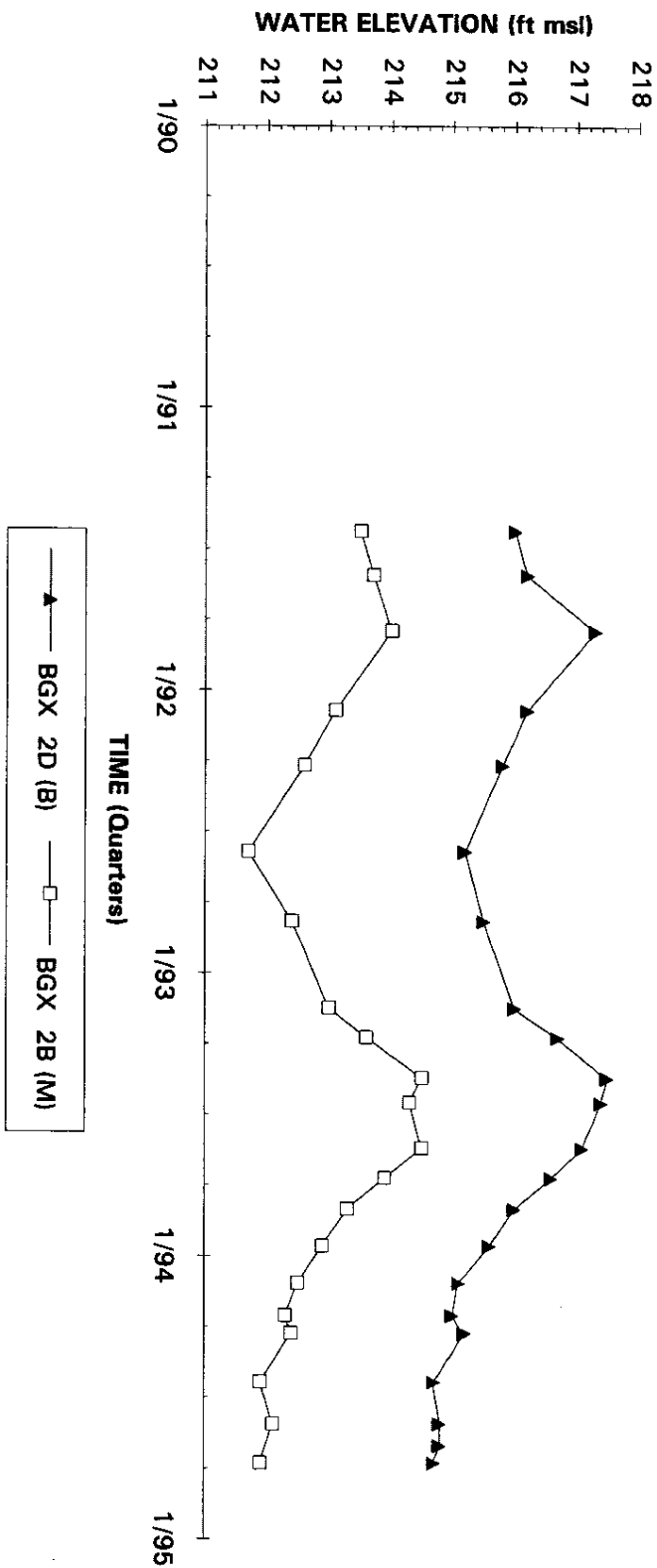
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# 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)

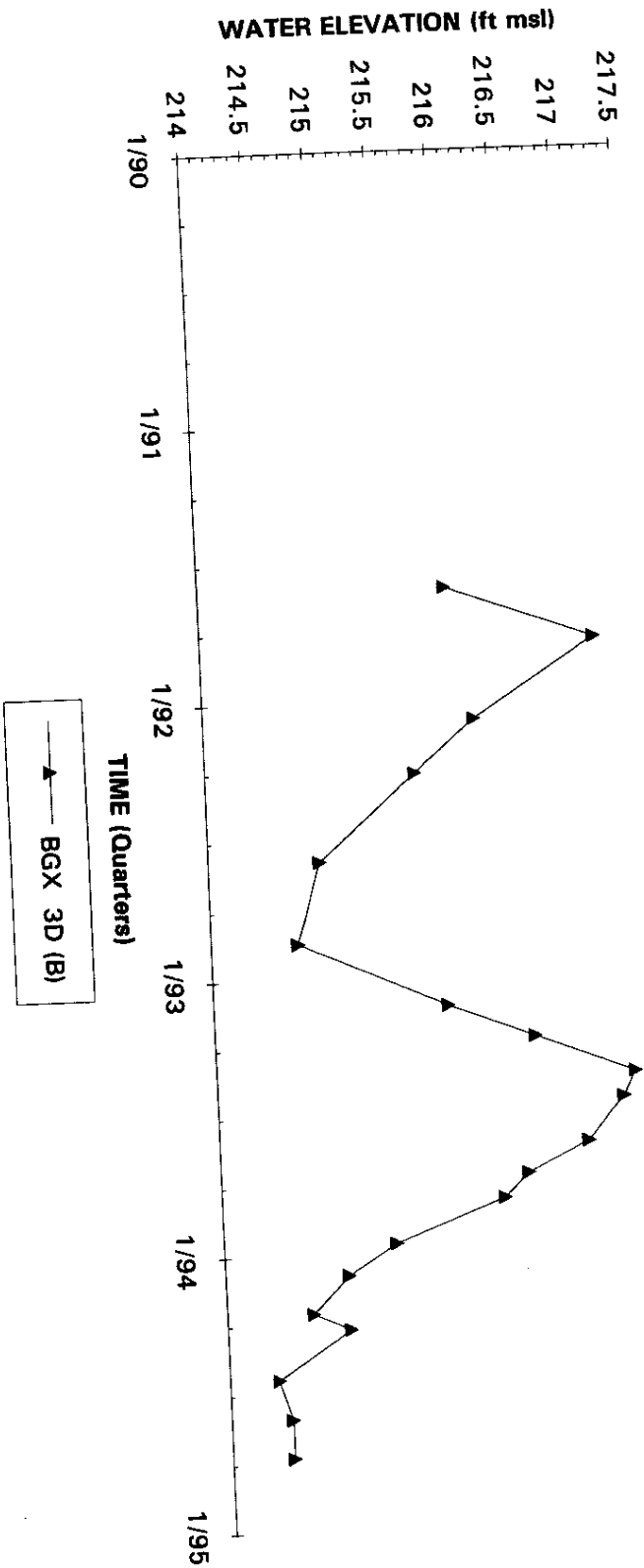
## Hydrograph Well Cluster BGX 2



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)



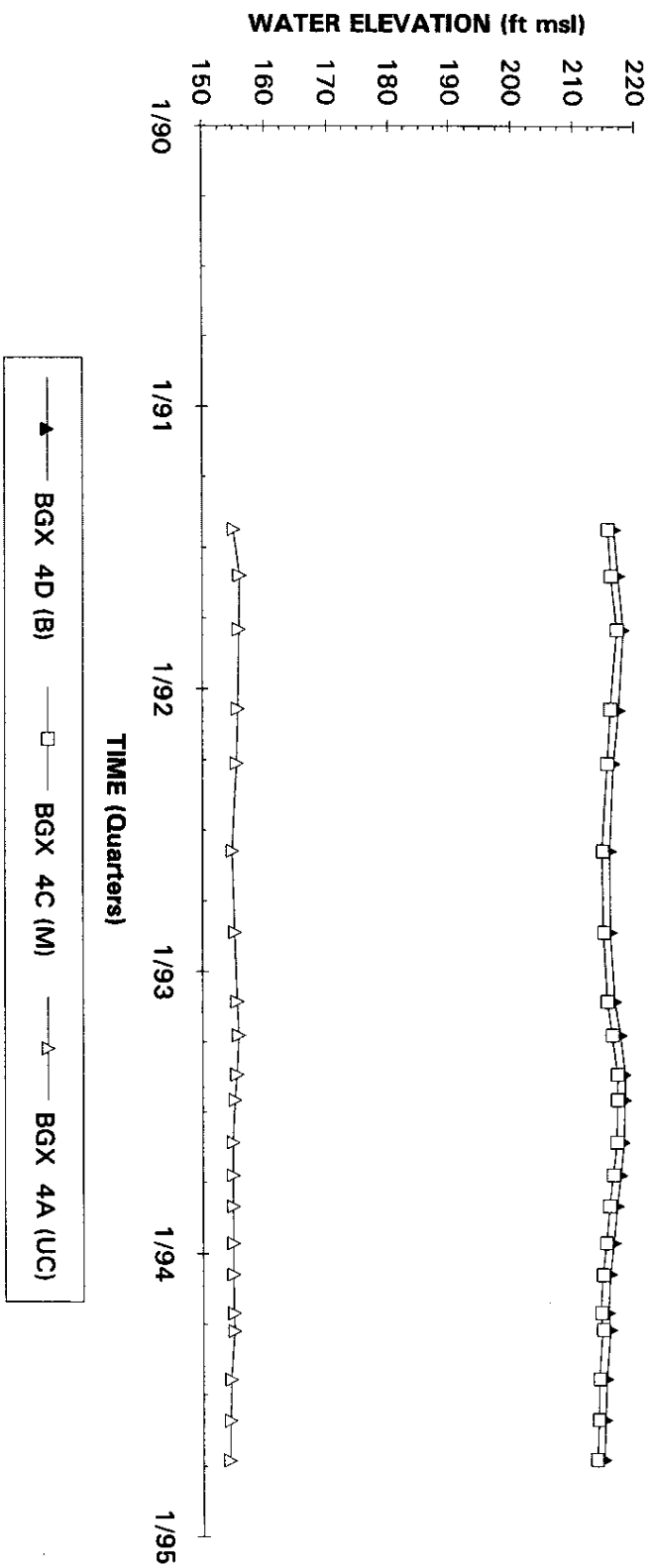
## Hydrograph Well BGX 3D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

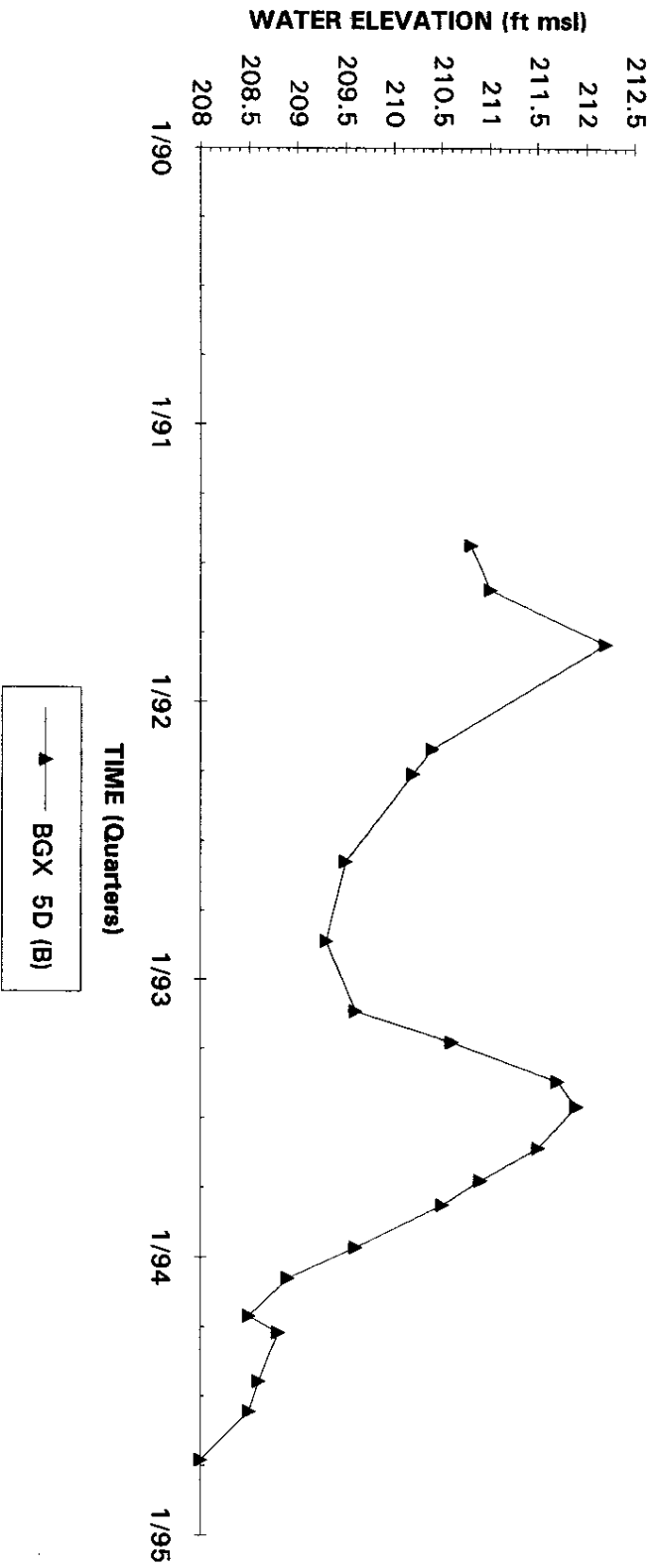
Third Quarter 1994

## Hydrograph Well Cluster BGX 4



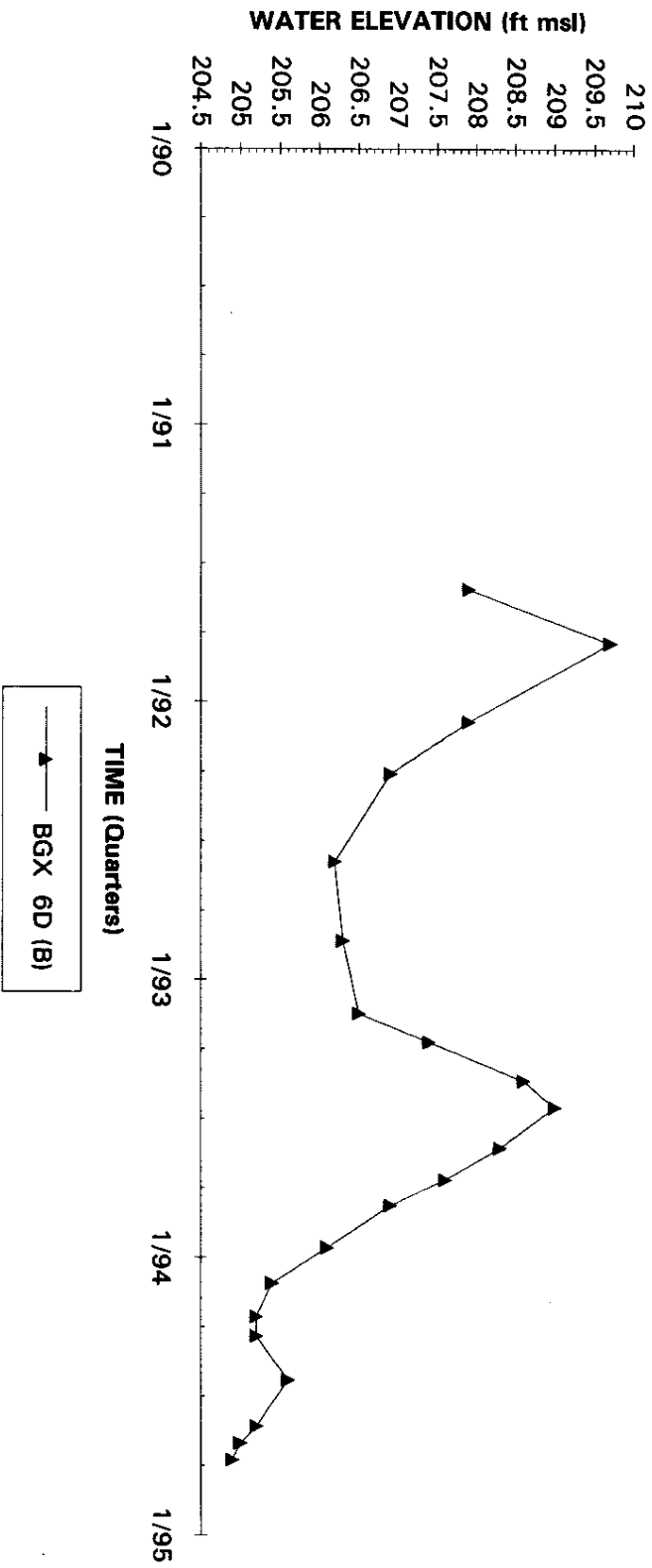
Note: W=Water Table (IIB2); B=Barmwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGX 5D



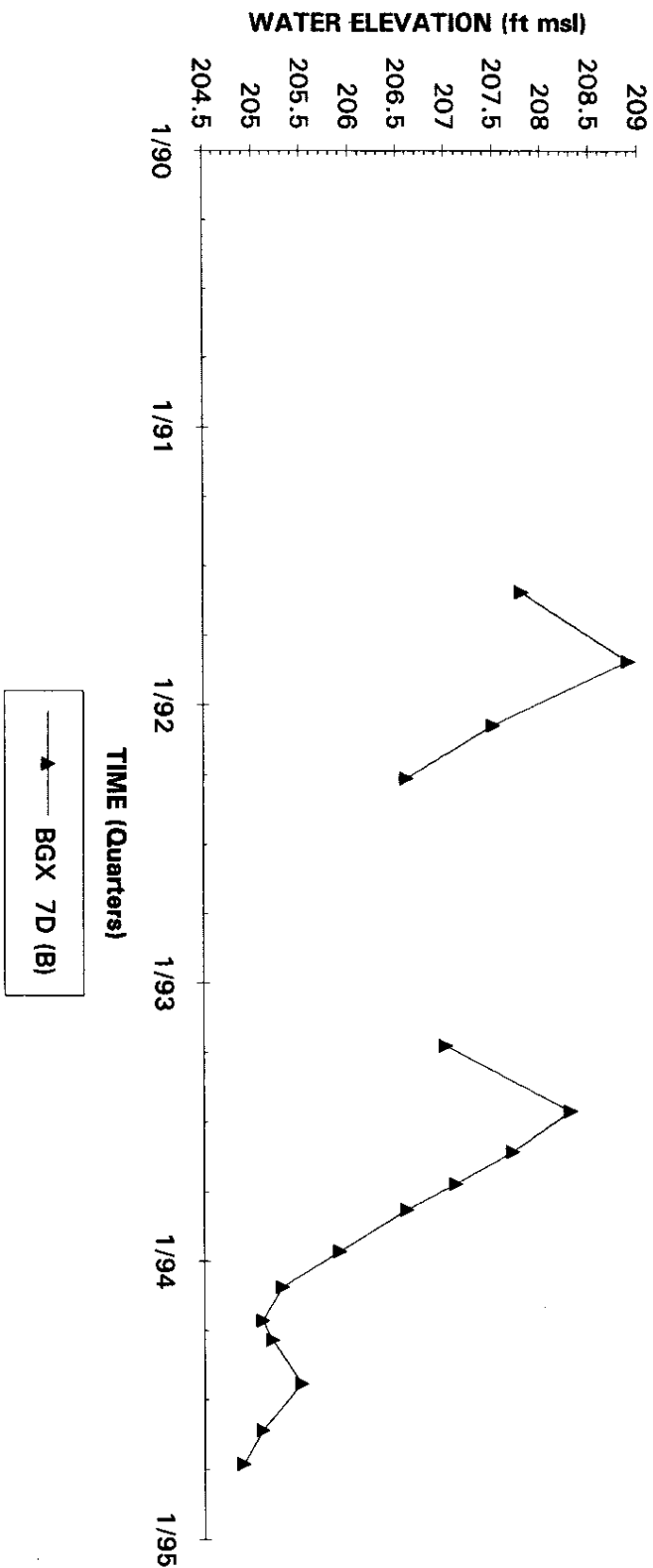
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGX 6D



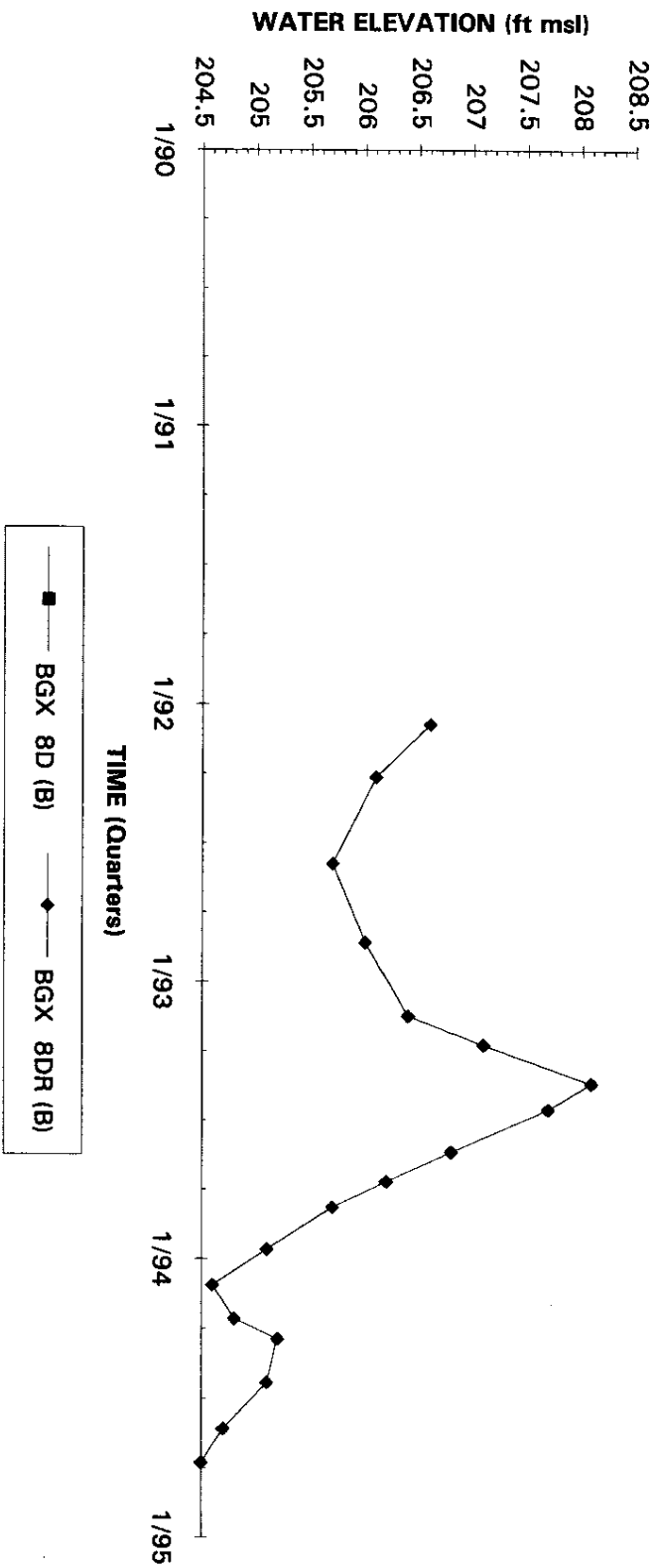
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well BGX 7D



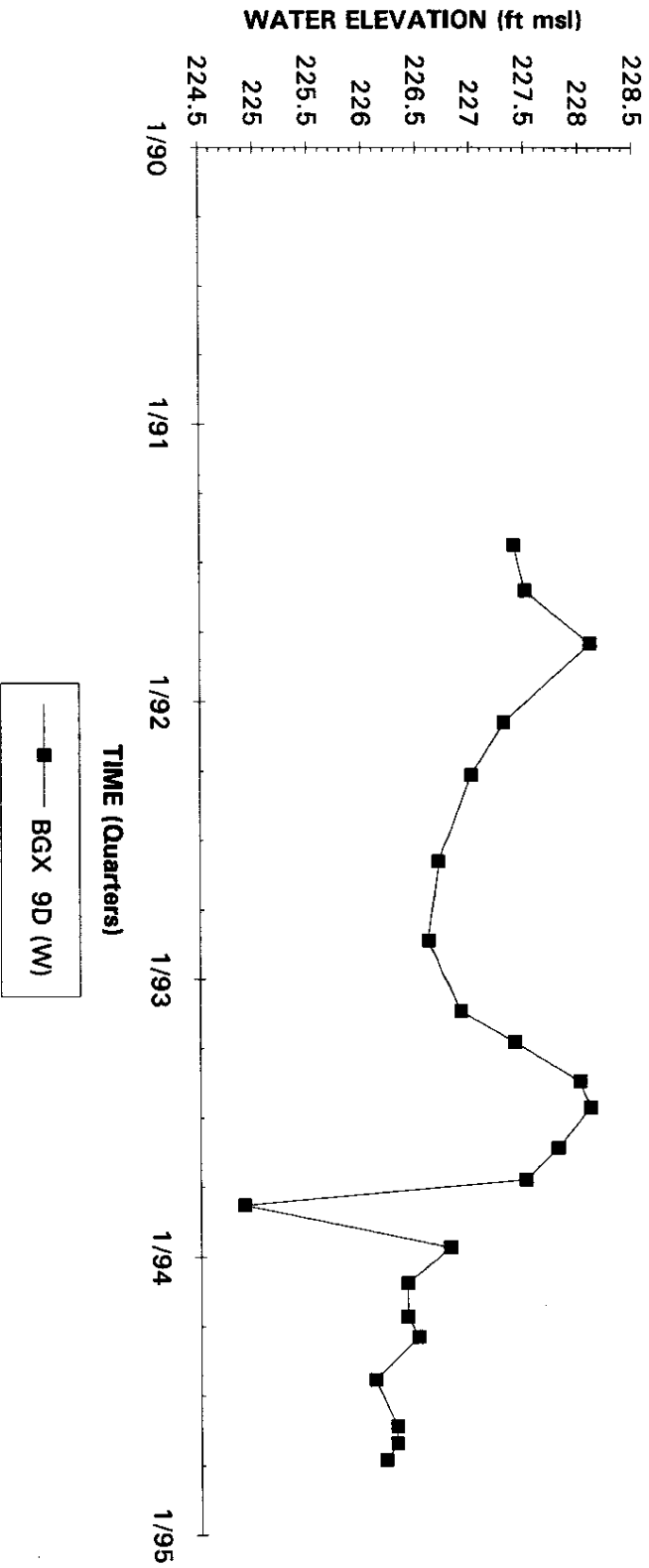
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGX 8



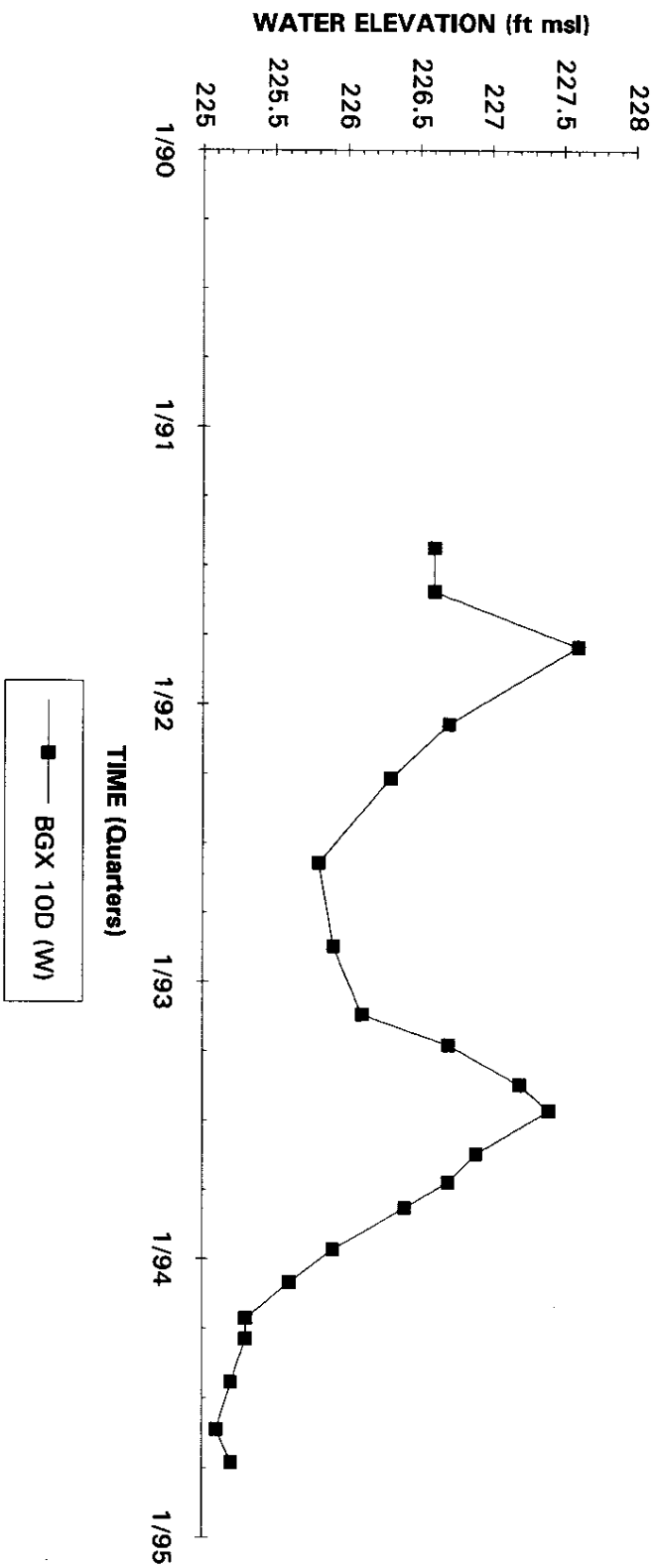
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Hydrograph Well BGX 9D



Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

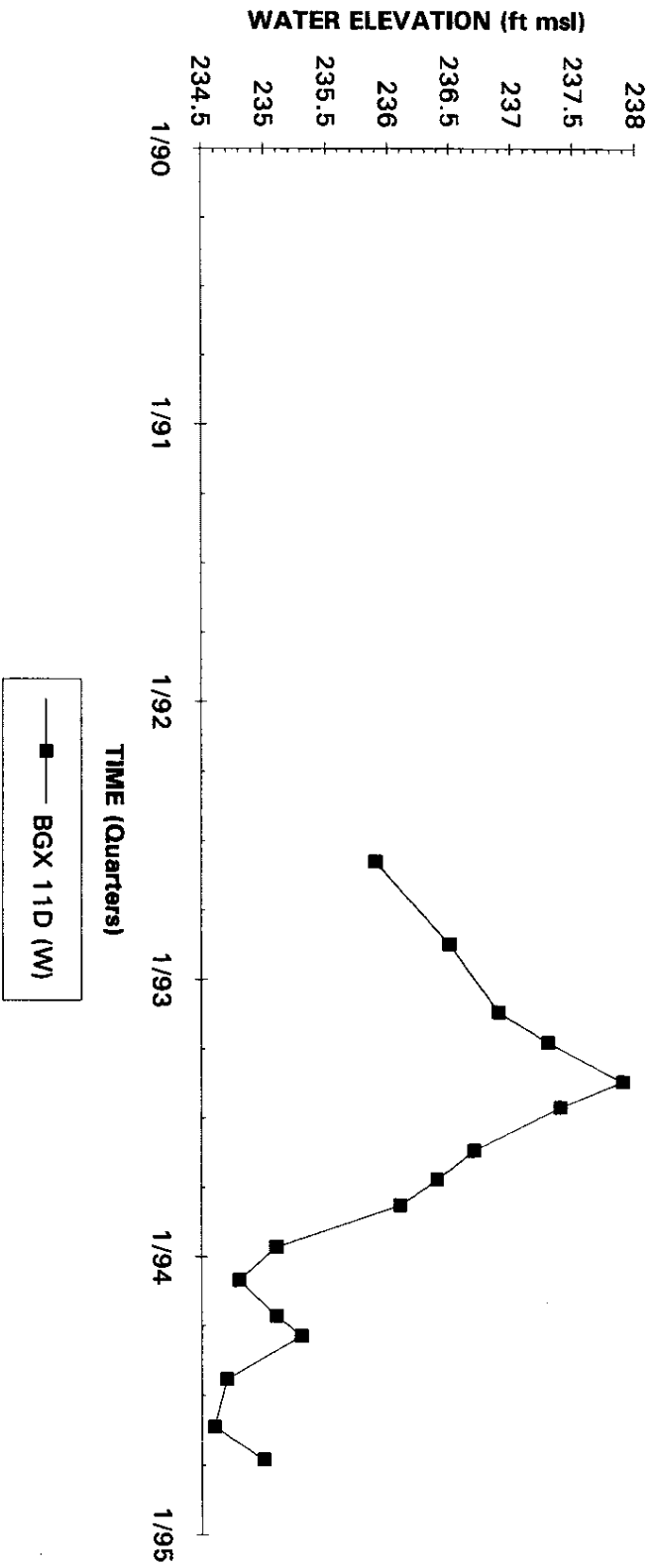
## Hydrograph Well BGX 10D



Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

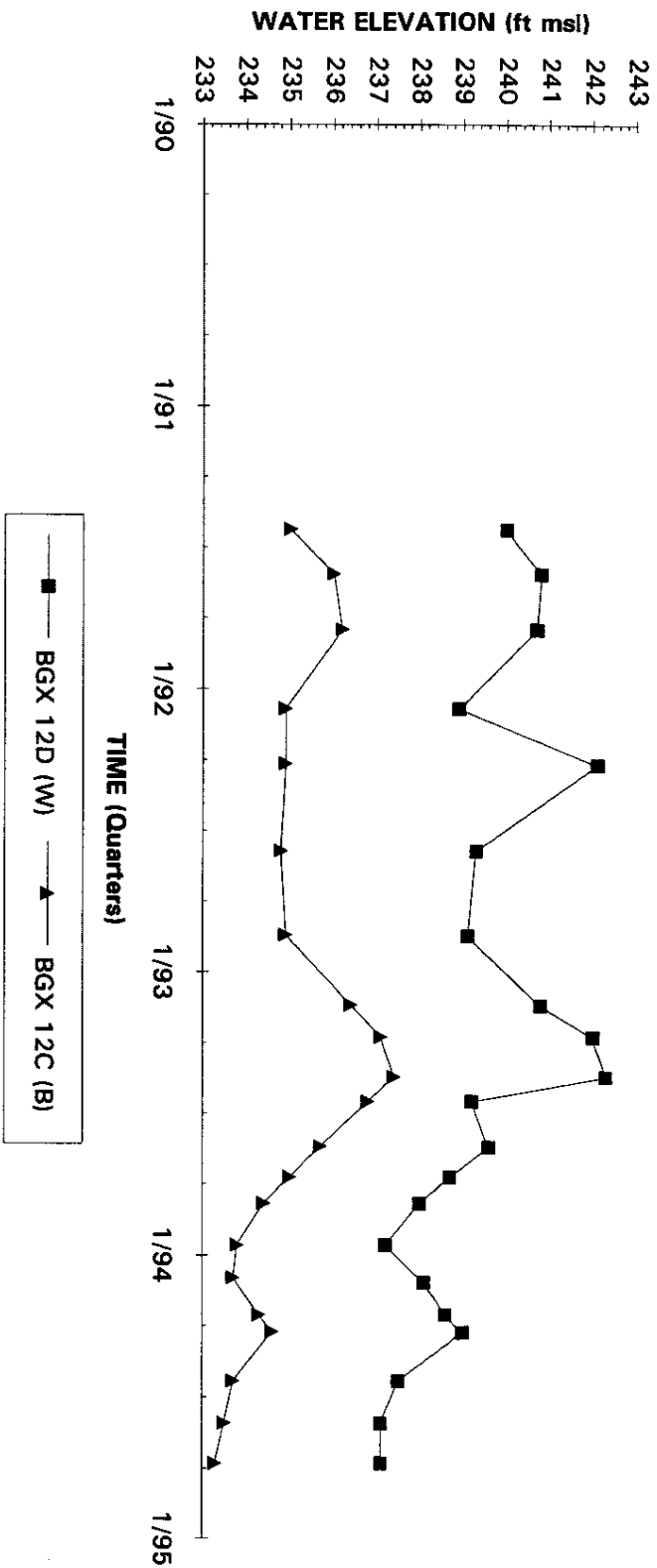


## Hydrograph Well BGX 11D



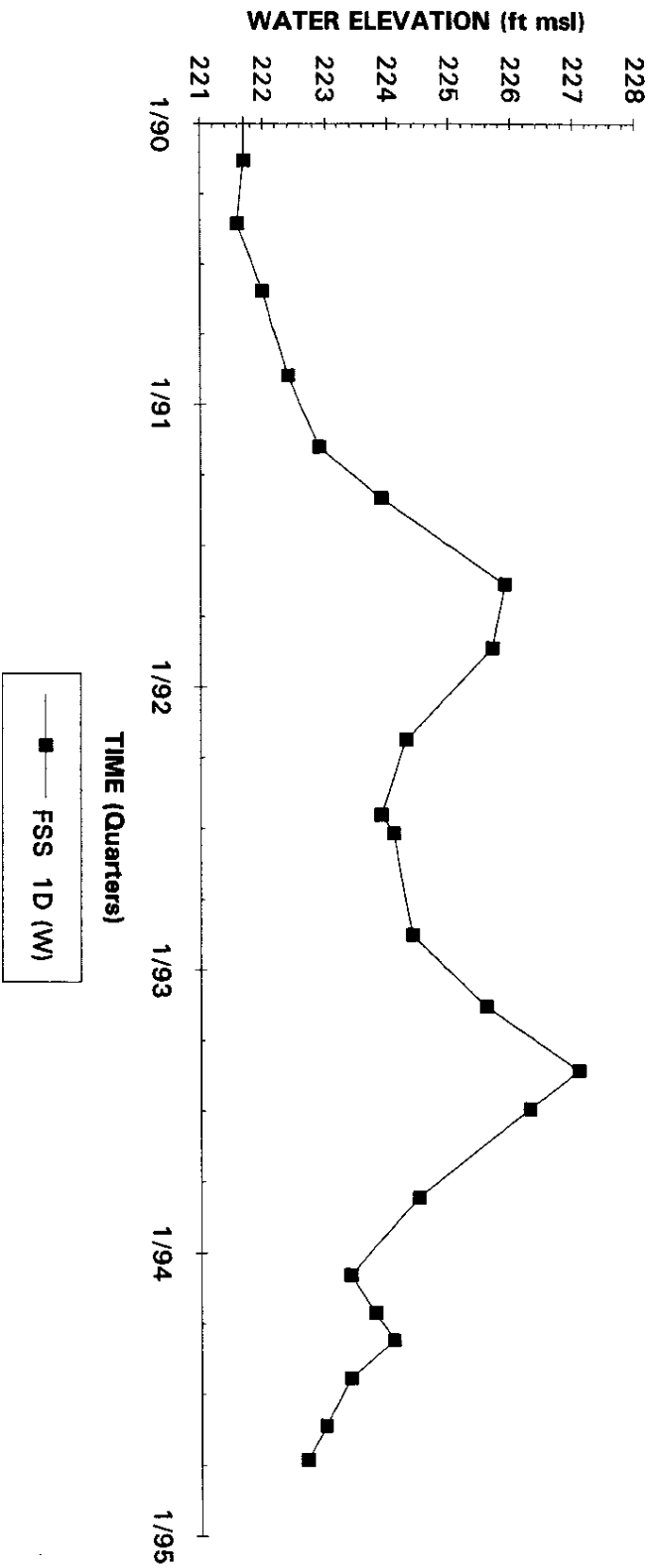
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well Cluster BGX 12

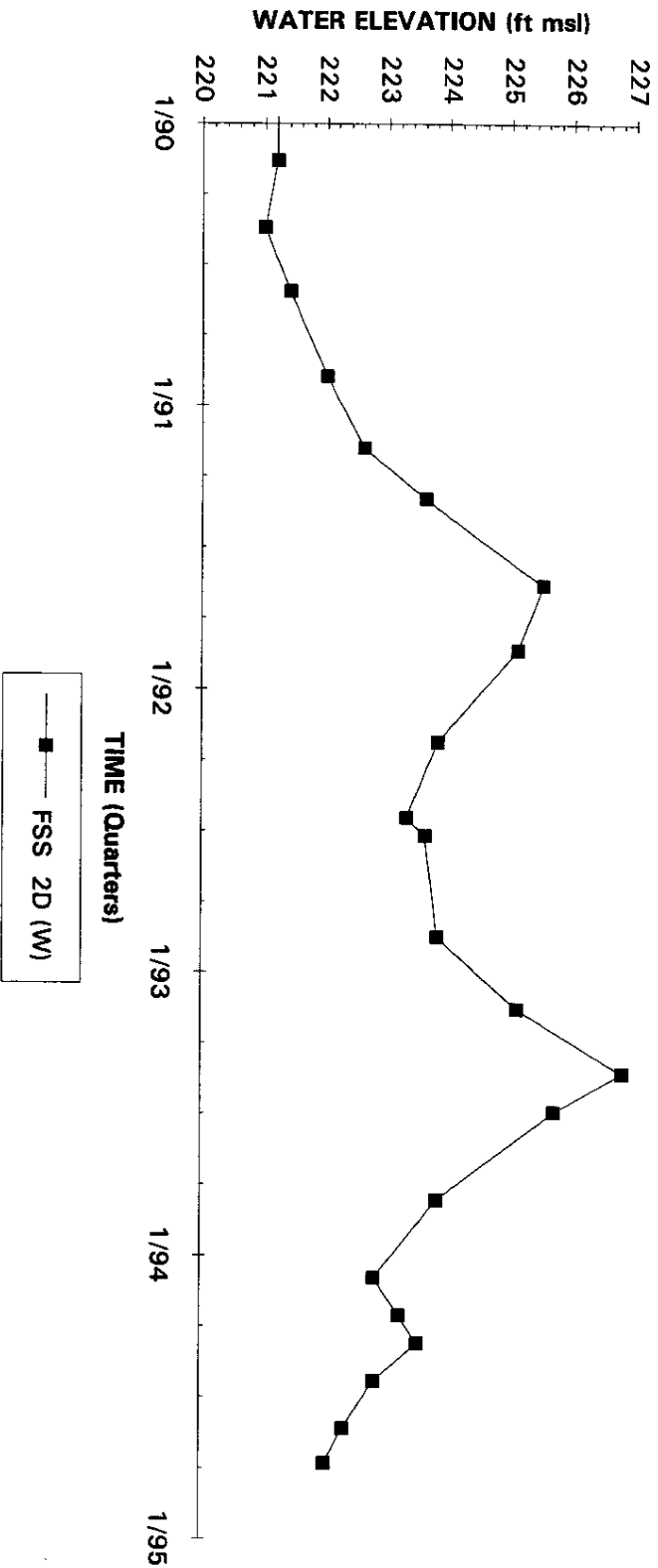


Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well FSS 1D

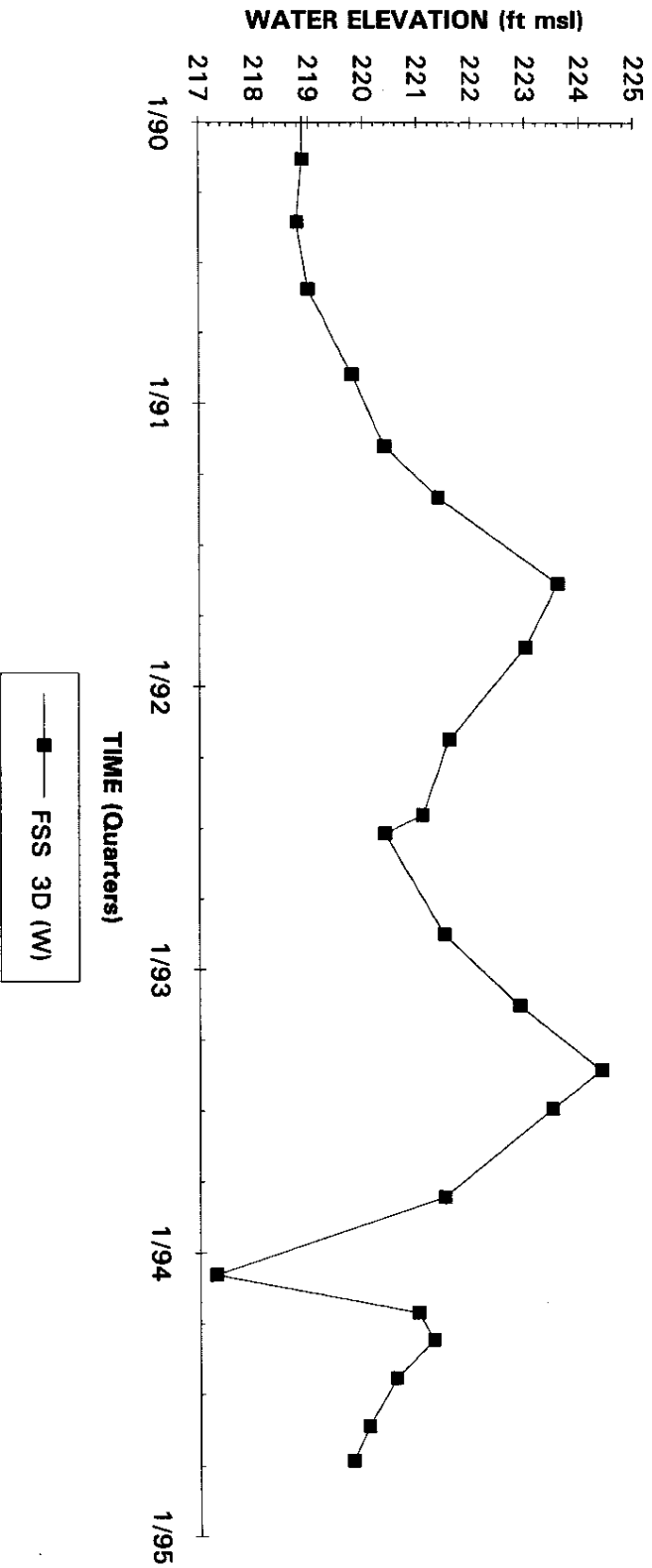


## Hydrograph Well FSS 2D



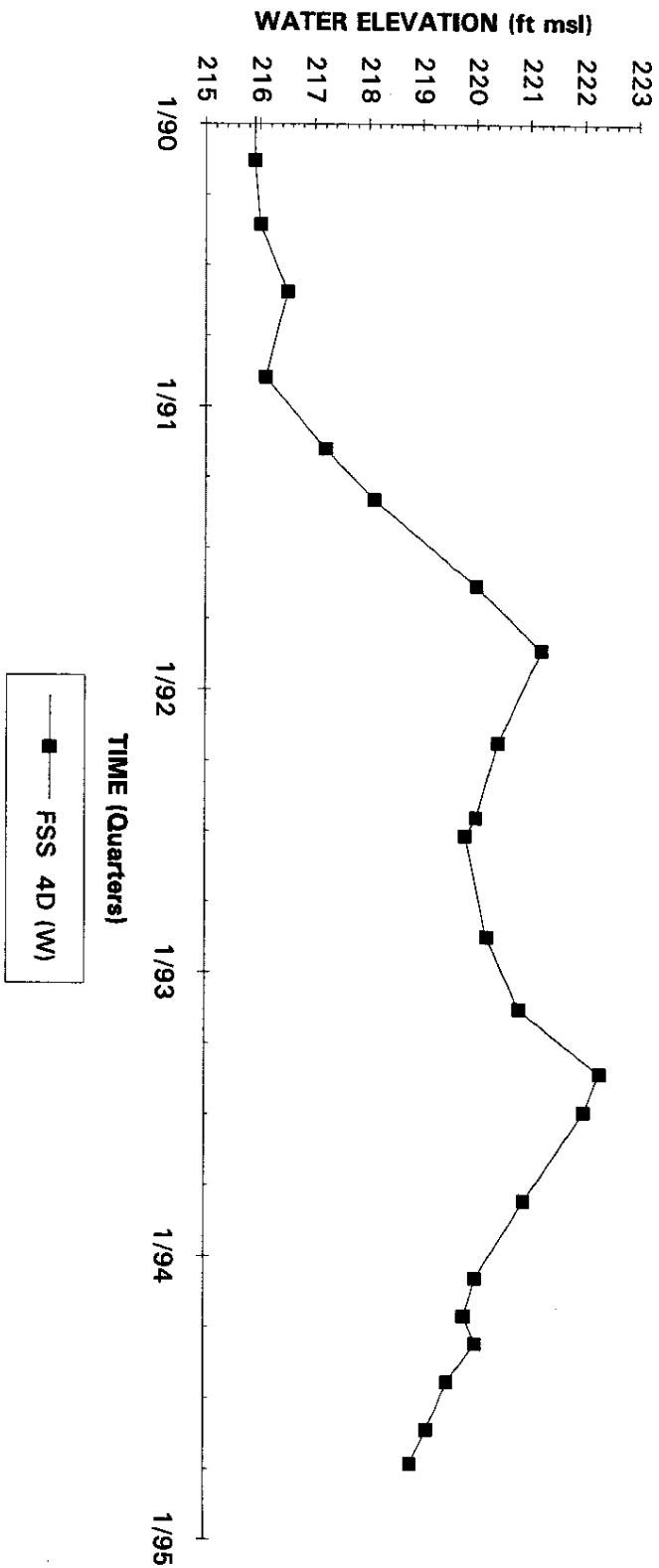
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well FSS 3D



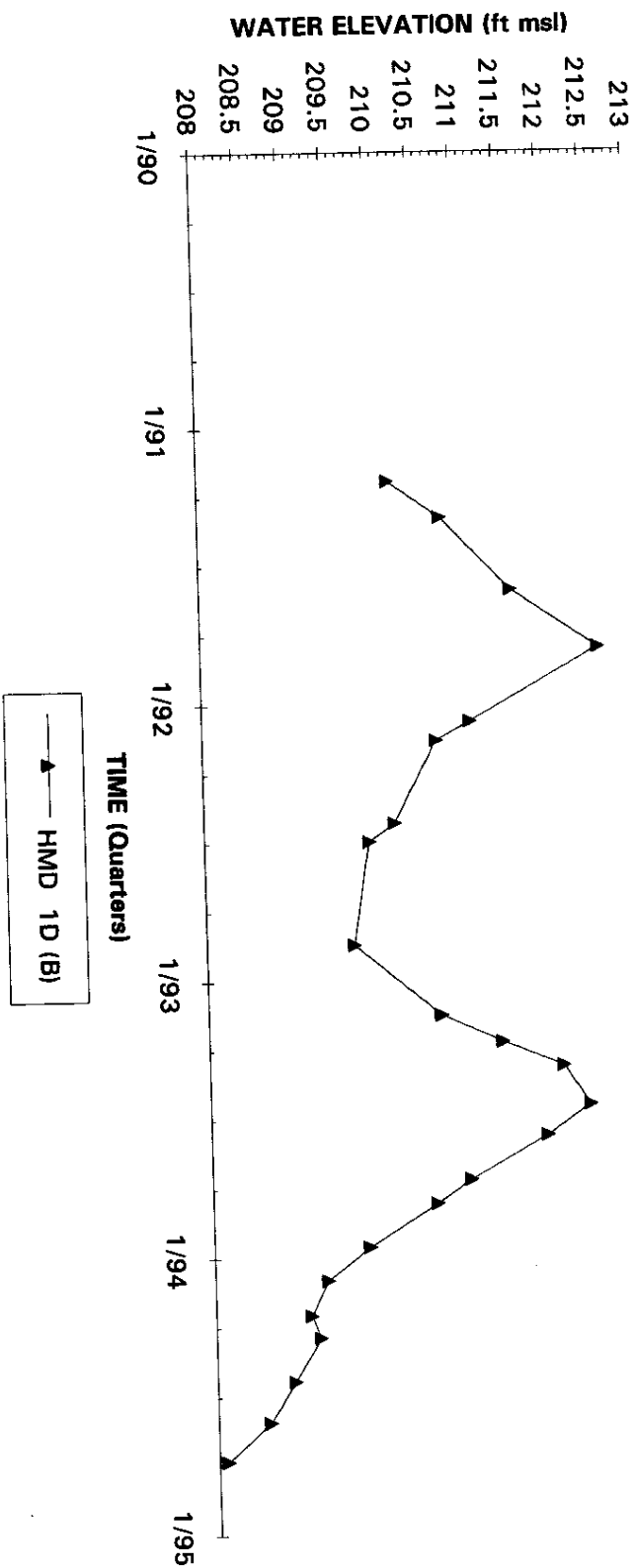
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Hydrograph Well FSS 4D



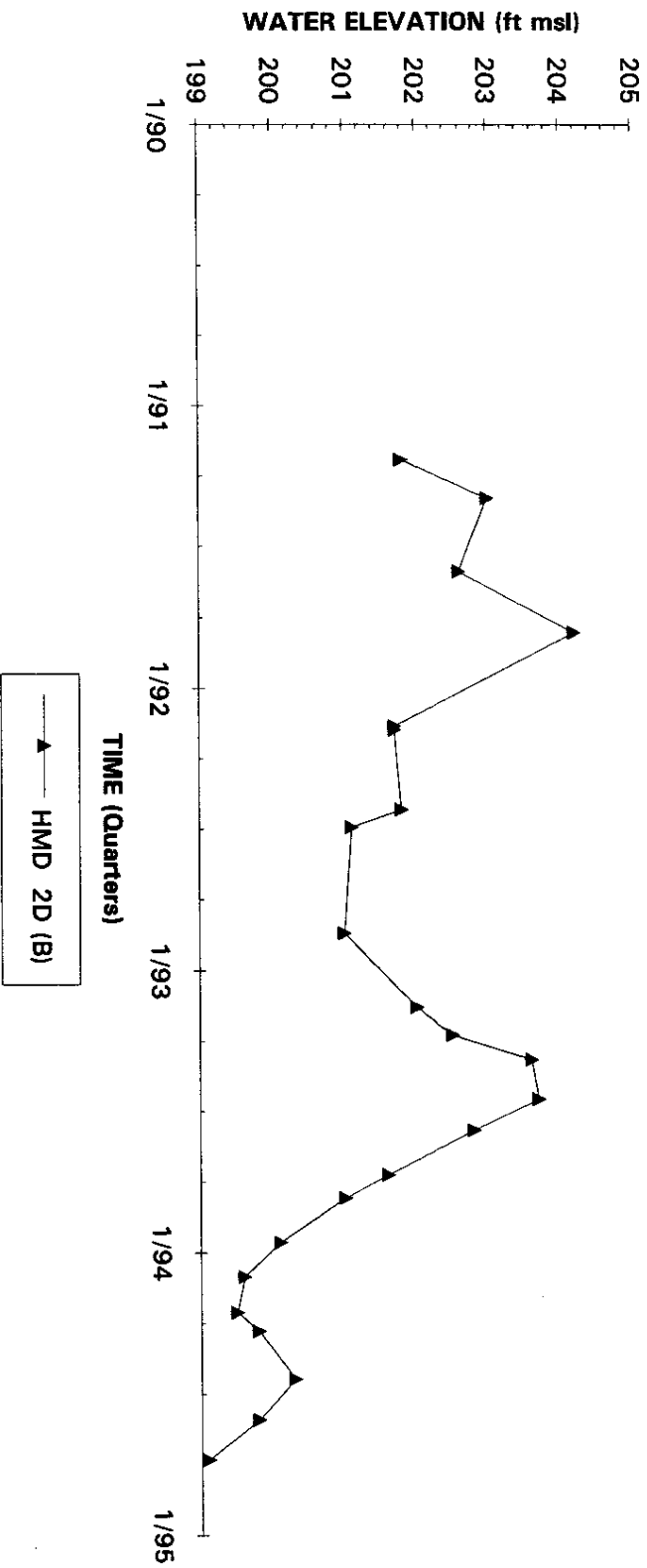
Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## 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)

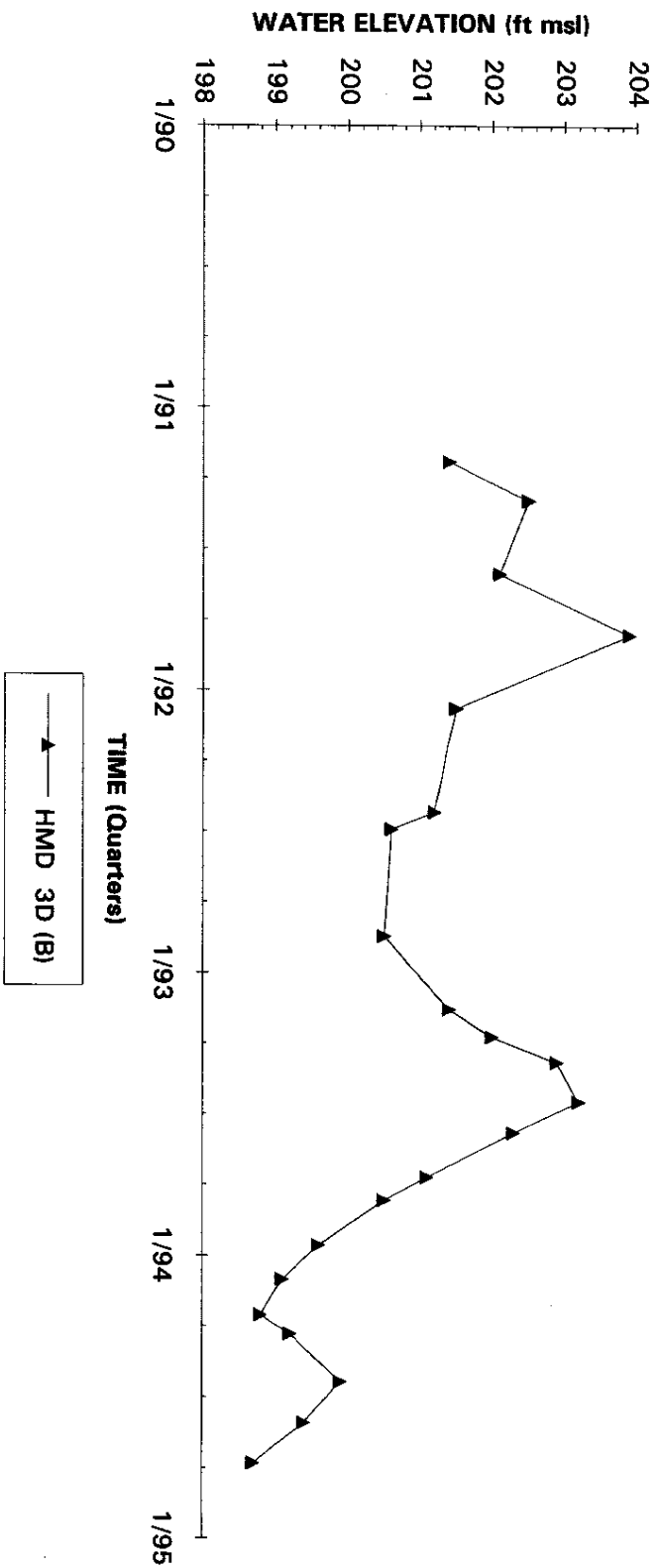
## Hydrograph Well HMD 2D



Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

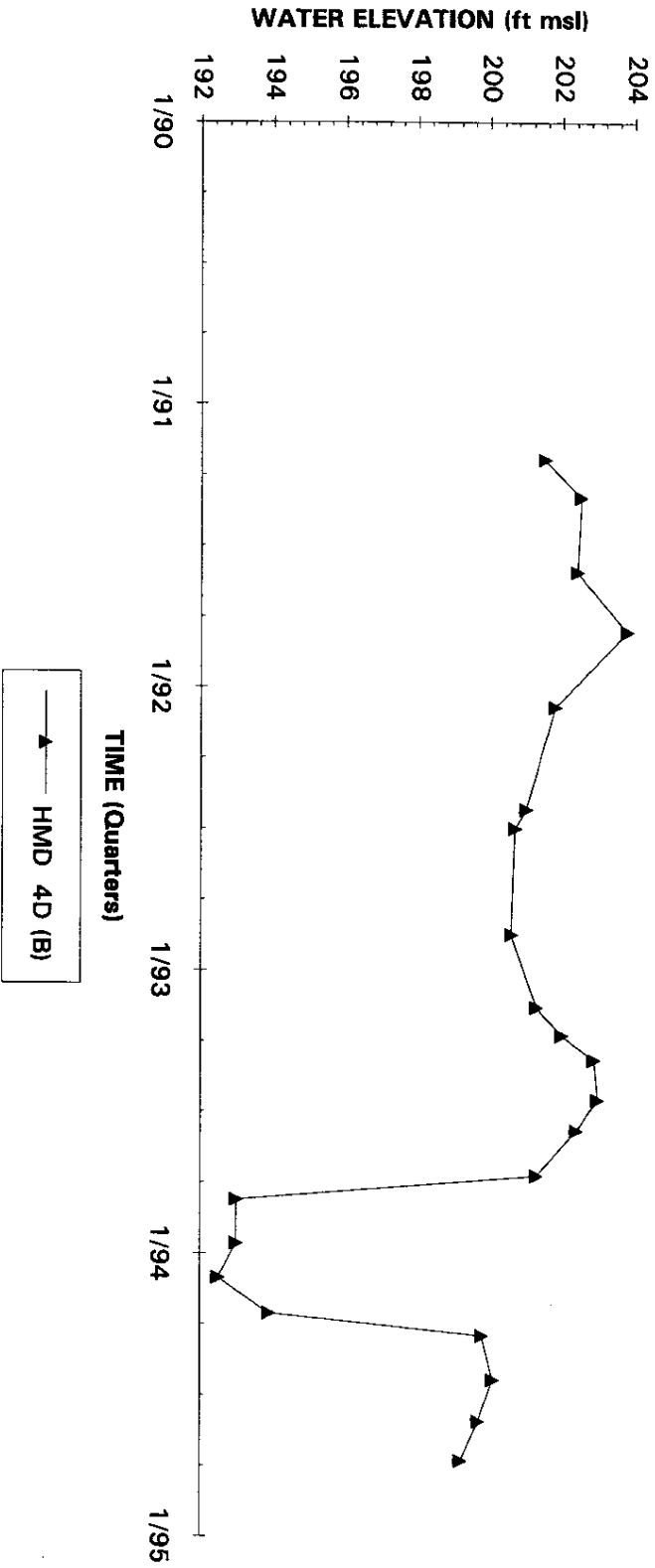


## Hydrograph Well HMD 3D



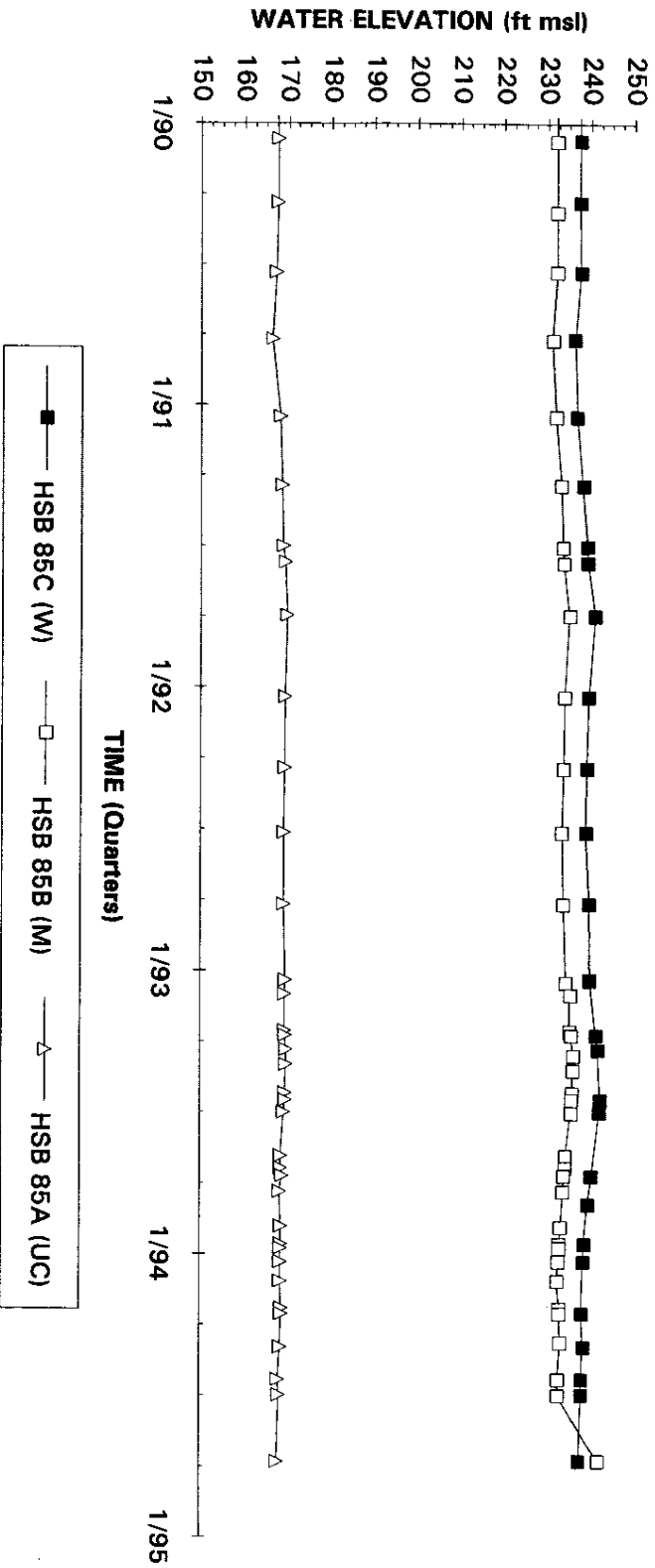
Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

## Hydrograph Well HMD 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 HSB 85



Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

# Record Indexing

Required with all records submitted to D&RA  
Print or type in black ink.

703241

Transmittal No. R018875

Part A — Transmittal			
To Document and Records Administration	Location 703-43A	Date 21 DEC 94	
From John Chase	Location 992-4W-144	Dept SGS	Phone 644-6912
Items in <u>Shaded</u> are required for all records.			
Keywords and other information are also required and shall be supplied as necessary to insure accurate and timely record retrieval.			
Part B — Indexing Information (Completed by Originator)			
Document ID WSRC-TR-94-0486	Sheet	Revision	Document Type
Alternate ID	Sheet	Revision	
Title MIXED WASTE MANAGEMENT FACILITY - 3Q94 - GROUNDWATER MONITORING REPORT (U)	Title Classification (U)		
Author/Originator Site Geo-Technical Services/Exploration Resources			
Security Classification of Record Unclassified			
Document (or Revision) Date (YYMMDD)	No. of Pages		
Keywords ISGO WELLS, FSS WELLS, TETRACHLOROETHYLENE, TRICHLOROETHYLENE, TRITIUM			
Design/Engineering Document Descriptors			
Supersedes	Sheet	Revision	Supr-DTD
Reference Document	Sheet	Revision	Supr-DTD
Equipment	Material		
System	Purchase Order Number		
Building	Elevation	Area	
Project Number	Project File Number NE-434-89-8-7.6(1)(6) Track # 7603		
Design Function	Category NE-434-89-8-7.6(1)(6)	Design Area	Track # 1960
Retention Period (Yrs) Permanent	Retention Schedule #4949	Paragraph/Item Number DOE 1-8.8	
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Record Location	sgf		
Transmitted By	Date		
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