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WSRC-TR--92-389

DE93 004591

SECOND QUARTER 1992

H-AREA SEEPAGE BASINS GROUNDWATER MONITORING REPORT (U)

PUBLICATION DATE: SEPTEMBER 1992

WESTINGHOUSE SAVANNAH RIVER COMPANY
SAVANNAH RIVER SITE
AIKEN, SC 29808

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

DISCLAIMER

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Authorized Derivative Classifier:

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Abstract

During second quarter 1992, tritium, nitrate, nonvolatile beta, total alpha-emitting radium (radium-224 and radium-226), gross alpha, mercury, lead, tetrachloroethylene, arsenic, and cadmium exceeded the U.S. Environmental Protection Agency Primary Drinking Water Standards (PDWS) in groundwater samples from monitoring wells at the H-Area Seepage Basins (HASB). Tritium and nitrate were the primary constituents; 89 (68%) of the 130 monitored wells exhibited elevated tritium activities and 46 (35%) of the wells exhibited elevated nitrate activities. These two constituents were found primarily in Aquifer Zone IIB_2 (Water Table) and in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean). Tritium activities also exceeded the PDWS in several wells in the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) and Aquifer Unit IIA (Congaree). The highest tritium and nitrate activity was found in Aquifer Zone IIB_2 (Water Table).

Eighty-seven downgradient wells screened in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), and the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) contained levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, gross alpha, mercury, lead, tetrachloroethylene, arsenic, or cadmium that exceeded the PDWS during second quarter 1992. Upgradient well HSB 65 exhibited tritium activities and upgradient well HSB 66 contained lead that exceeded the PDWS.

Contents

List of Figures

List of Tables

Page

Executive Summary

In 1955, three H-Area Seepage Basins (HASB), H-1, H-2, and H-3, were constructed to contain wastewater from the H-Area Separations Facility at the Savannah River Site (SRS). In 1962, another basin (H-4) was constructed to replace basin H-3 due to the slow seepage of wastewater from basin H-3. These unlined, hydraulically connected basins received wastewater, which typically contained elevated amounts of nitrate and tritium, until the basins were closed in November 1988 (Heffner and Exploration Resources, 1991). As a result of this operation, the groundwater at the HASB contains elevated levels of low-level radionuclides and chemicals. The recent revision of the Resource Conservation and Recovery Act (RCRA) Part B Post-Closure Care Permit Application, submitted March 13, 1992, to the South Carolina Department of Health and Environmental Control (SCDHEC), provides for field demonstrations of alternative technologies coupled with an Alternative Concentration Limit Demonstration and a South Carolina Hazardous Waste Management Regulations (SCHWMR) Mixing Zone request (WSRC, 1992).

Currently, 130 wells of the HSB series monitor the groundwater in the uppermost aquifer beneath the HASB as required by SCHWMR. The wells are sampled and analyzed quarterly for certain indicator parameters, heavy metals, radionuclides, and other constituents. This groundwater quality assessment report describes the monitoring results that exceeded the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Standards (PDWS) or the SRS flagging criteria for second quarter 1992. Reports for first, second, and third quarters are submitted to SCDHEC 90 days after the end of each quarter as required by Administrative Consent Order 85-70-SW (as amended in 1988). The fourth quarter report, which includes the annual report, is submitted to SCDHEC 90 days after the end of the quarter as negotiated by SCDHEC with EPA.

During second quarter 1992, tritium, nitrate, nonvolatile beta, total alpha-emitting radium (radium-224 and radium-226), gross alpha, mercury, lead, tetrachloroethylene, arsenic, and cadmium exceeded the PDWS at one or more wells at the HASB. As in previous quarters, tritium and nitrate were the primary constituents found in the groundwater. Of the 130 groundwater monitoring wells, 89 (68%) exhibited elevated tritium activities and 46 (35%) exhibited elevated nitrate activities. These two constituents were found primarily in Aquifer Zone IIB_2 (Water Table) and in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean). Tritium activities also exceeded the PDWS in several wells in the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) and Aquifer Unit IIA (Congaree). The highest tritium activity was found in Aquifer Zone IIB_2 (Water Table) well HSB112D (1.8E+04 pCi/mL). The highest nitrate concentration occurred in Aquifer Zone IIB_2 (Water Table) in well HSB101D (72,000 μg/L).

Mercury, lead, and cadmium historically have been the primary heavy metals exhibiting elevated concentrations at the HASB. During second quarter 1992, mercury exceeded the PDWS in 9 wells in Aquifer Zone IIB_2 (Water Table) (HSB 68, 101D, 102D, 104D, 105D, 107D, 108D, 126D, and 127D), with the highest concentration at 6.8 μg/L in well HSB126D. Mercury did not exceed this standard in any of the lower water-bearing units. Lead was elevated in six wells in Aquifer Zone IIB_2 (Water Table) (HSB 66, 70, 102D, 115D, 116D, and

137D), and exhibited the highest level of 71 μg/L in well HSB115D. Cadmium at a level exceeding the PDWS was found only in well HSB 86C in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean).

Tetrachloroethylene was elevated in one Aquifer Zone IIB_2 (Water Table) well (HSB143D) and in four upper Aquifer Zone IIB_1 (Barnwell/McBean) wells (HSB106C, 139C, 143C, and 145C) during second quarter 1992. Levels of tetrachloroethylene above the PDWS previously have appeared consistently in well HSB139C. No other volatile organic compounds exceeded the PDWS at the HASB during this quarter.

Groundwater flow in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), and the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) is generally to the southwest toward Fourmile Branch. Flow in Aquifer Unit IIA (Congaree) is northwest toward Upper Three Runs Creek. Flow rates are estimated as approximately 270, 430, 95, and 350 ft/yr in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean), and Aquifer Unit IIA (Congaree), respectively.

At least one of 87 downgradient wells screened in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), and the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) contained levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, gross alpha, mercury, lead, tetrachloroethylene, arsenic, or cadmium that exceeded the PDWS during second quarter 1992. Elevated levels of these constituents were not found in upgradient wells HSB 65B, 85B, and 85C; however, upgradient well HSB 65 exhibited tritium activities and HSB 66 contained lead that exceeded the PDWS.

Introduction

Description of Facilities

In 1955, three H-Area Seepage Basins (HASB) (H-1, H-2, and H-3) were constructed at the Savannah River Site (SRS) to contain wastewater from the H-Area Separations Facility (Figure 3, Appendix C) at SRS. In 1962, another basin (H-4) was constructed to replace basin H-3 due to the slow seepage of wastewater from basin H-3. These unlined, hydraulically connected basins received wastewater containing elevated amounts of nitrate, tritium, and other constituents that also included low-level radionuclides and chemicals. Primary sources for this wastewater included the nitric acid recovery overheads, the general-purpose evaporator overheads, overheads from the two waste tank farm evaporators, cooling water from the tritium facilities, and retention basin transfers (Heffner and Exploration Resources, 1991).

The basins allowed the wastewater either to evaporate or to percolate into the underlying soils where some of the waste constituents were removed from the water by interaction with the soils. However, tritium does not interact with the soils but instead continues to migrate downward into the groundwater. Some of the tritium in groundwater decays before reaching surface water. The half-life of tritium is 12.26 years.

Use of the HASB was discontinued on November 7, 1988, and the basins were closed in 1988 as required by the South Carolina Hazardous Waste Management Regulations (SCHWMR) (SCDHEC, 1990). The Resource Conservation and Recovery Act (RCRA) Part B Post-Closure Care Permit Application submitted by SRS in April 1988 proposed alternate concentration limits (ACL) for hazardous constituents in lieu of groundwater remediation. The original ACL demonstration was denied, and SRS conducted an extensive hydrogeologic investigation and research of remediation techniques in order to prepare a groundwater remediation program at the HASB. In December 1990, SRS submitted a RCRA Part B Post-Closure Care Permit Application (WSRC, 1990), which includes an implementable plan for groundwater remediation, to the South Carolina Department of Health and Environmental Control (SCDHEC). On March 13, 1992, SRS submitted Revision 5 of this document, replacing the implementable plan with field demonstrations of alternative technologies coupled with an Alternative Concentration Limit Demonstration and a SCHWMR Mixing Zone request (WSRC, 1992). A baseline risk assessment has been submitted with a feasibility study in the integrated RCRA/Comprehensive Environmental Response, Compensation, and Liability Act document.

A low-permeability cap has been constructed over the HASB. The activities for the cap consist of stabilizing basin sediments, backfilling the basin excavations with clean soils, compacting the filled areas, and installing a multilayer cap over each basin. A final cover has been constructed over each basin, which minimizes migration of liquids through the closed impoundment, functions with little maintenance, promotes drainage and minimizes erosion or abrasion of the final cover, accommodates settling and subsidence so that cover integrity is maintained, and maintains a permeability less than or equal to the permeability of the natural soils.

The groundwater at the HASB contains elevated levels of low-level radionuclides and chemicals from 30 years of operation. Tritium and nitrate are the primary constituents and are mainly exhibited in Aquifer Zones IIB_2 (Water Table) and IIB_1 (Barnwell/McBean). Since HASB use ceased and the basins were closed, overall tritium and nitrate levels have declined.

Hydrostratigraphic Units

Historically, groundwater quality assessment reports for the HASB have used the nomenclature "Water Table," "Barnwell," "McBean," and "Congaree" to identify hydrologic units. However, an interim alphanumeric system developed by Aadland (1990) (Figure 1, Appendix C) defines the aquifer and aquitard units at SRS by their hydraulic properties (hydraulic conductivity, transmissivity, specific storage, etc.) using hydrostratigraphic rather than lithostratigraphic designations. Figure 2 (Appendix C) shows a correlation of these designations. For clarity, this report uses the newer nomenclature and also includes the older names used in earlier reports. The HASB RCRA Part B Post-Closure Care Permit Application, submitted December 1990 (WSRC, 1990), includes an in-depth explanation of the new nomenclature.

The HASB RCRA Part B Post-Closure Care Permit Application also includes a detailed description of the geologic and hydrogeologic systems at the HASB. To summarize this description, the HASB well network monitors three distinct hydrostratigraphic units in the uppermost aquifer beneath the facility: Aquifer Zone IIB_2 (Water Table), which is supported by Confining Zone IIB_1-IIB_2 (Tan Clay); the poorly confined Aquifer Zone IIB_1 (Barnwell/McBean); and the semi-confined Aquifer Unit IIA (Congaree), which is separated from the overlying Aquifer Zone IIB_1 (Barnwell/McBean) by Confining Unit IIA-IIB (Green Clay). The base of the uppermost aquifer is defined as the uppermost bed of Confining System I-II (Ellenton Formation), which lies approximately 300 ft below the surface of the area.

Monitoring Well Nomenclature

Generally, groundwater monitoring wells are designated with a waste management unit abbreviation prefix (e.g., HSB), a number (1 through 999), and a suffix (A, B, C, D) designating the hydrostratigraphic unit being monitored. At the HASB, a "D" suffix following the groundwater monitoring well prefix and number indicates the well monitors Aquifer Zone IIB_2 (Water Table); a "B" or "C" suffix indicates the well monitors Aquifer Zone IIB_1 (Barnwell/McBean); an "A" suffix indicates the well monitors Aquifer Unit IIA (Congaree). An "R" designation following the "A," "B," "C," or "D" suffix indicates a replacement well.

There are exceptions to this nomenclature. For example, wells HSB 65, 66, 67, 68, 69, 70, and 71 and wells bearing the designating suffix "E" all monitor Aquifer Zone IIB_2 (Water Table).

Discussion

Integrity of the Monitoring Well Network

The HASB groundwater monitoring well network (Figure 4, Appendix C) provides groundwater samples from the three hydrologic units that make up the uppermost aquifer below the facility. A program is in place to rehabilitate and replace wells that do not produce representative samples from the units being monitored.

The standard practice at SRS is to purge a minimum of four well volumes from each well and ensure that the field parameters have stabilized before sample collection. A well that goes dry before purging is completed is allowed to recover and is then sampled without purging within 24 hours. Table 3 (Appendix D) lists the amount of water purged from each of the wells. Those wells that did not yield four well volumes prior to sampling are described below.

The 58 Aquifer Zone IIB_2 (Water Table) wells are HSB 65, 65C, 66, 67, 68, 69, 70, 71, 83D, 84D, 85C, 86D, 100D, 101D, 102D, 103D, 104D, 105D, 106D, 107D, 108D, 109D, 110D, 111D, 111E, 112D, 112E, 113D, 114D, 115D, 116D, 117D, 125D, 126D, 127D, 129D, 130D, 131D, 132D, 133D, 134D, 135D, 136D, 137D, 138D, 139D, 140D, 141D, 142D, 143D, 145D, 146D, 147D, 148D, 149D, 150D, 151D, and 152D (Figure 5, Appendix C). During second quarter 1992, wells HSB102D, 112E, 115D, 126D, 141D, 142D, 147D, 148D, and 152D pumped dry before four well volumes were purged.

The 46 wells in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean) are HSB 68C, 70C, 71C, 83C, 84C, 86C, 100C, 101C, 102C, 103C, 104C, 105C, 106C, 107C, 108C, 109C, 110C, 111C, 112C, 113C, 114C, 115C, 116C, 117C, 125C, 126C, 127C, 129C, 130C, 131C, 132C, 133C, 134C, 135C, 136C, 137C, 139C, 140C, 141C, 142C, 143C, 145C, 146C, 148C, 151C, and 152C (Figure 6, Appendix C). Wells HSB 68C, 70C, 71C, 84C, 139C, 141C, and 148C pumped dry before four well volumes were purged.

The six wells in the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) are HSB 65B, 68B, 83B, 84B, 85B, and 86B (Figure 7, Appendix C). Wells HSB 68B, 84B, and 85B pumped dry before four well volumes were purged.

Twenty wells monitor Aquifer Unit IIA (Congaree), 12 in the upper part (HSB118A, 119A, 120A, 121A, 122A, 123A, 124AR, 139A, 140A, 141A, 144A, and 146A) and three in the lower part (HSB 65A, 84A, and 86A) (Figure 8, Appendix C). Well HSB 68A is of uncertain horizon, and wells HSB 69A, 83A, 85A, and 117A are located in the middle part of the Congaree. All of these wells yielded at least four well volumes of water during purging.

Wells HSB 67, 68, 69, 84D, 86C, 86D, 102D, 103D, 104D, 105D, 106D, 113D, 114D, 115D, 116D, 136D, and 143D had field pH values equal to or less than 4; wells HSB 68B, 70C, 71C, 84B, 85B, 101D, 104C, 123A, 141A, 141C, 146C, 148C, and 148D had field pH values equal to or greater than 8.

Groundwater Monitoring Data

During second quarter 1992, samples from wells at the HASB were analyzed for certain indicator parameters, heavy metals, radionuclides, and other constituents. Monitoring results that exceeded the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Standards (PDWS) (see Appendix A) or other SRS flagging criteria (see Appendix B) are discussed in this report.

In general, the flagging criteria established by the Environmental Monitoring Section of the Environmental Protection Department at SRS for identifying constituents in high concentrations in groundwater are as follows:

- Flag 2 criteria are based on the PDWS; for constituents that do not have a PDWS, Flag 2 criteria are based on the Secondary Drinking Water Standards (SDWS) or 10 times the method detection limits (MDL) as described in Appendix B. Constituent levels that equal or exceed Flag 2 criteria are described as *elevated.*

- Flag 1 criteria are based on half the PDWS; for constituents that do not have a PDWS, Flag 1 criteria are based on half the SDWS or 5 times the MDL as described in Appendix B. Flag 1 levels for a constituent may reflect analytical error or may indicate the initial detection of a constituent. Thus, constituents exceeding Flag 1 criteria are included in this report and are described as *slightly elevated.*

- Flag 0 criteria are based on constituent levels below Flag 1 criteria or below the sample detection limits.

Illustrations of the hydrostratigraphic units beneath the HASB at SRS (Figures 1 and 2), the monitored waste management unit (Figure 3), the individual monitoring wells (Figure 4), the monitoring wells in the different hydrostratigraphic zones and units (Figures 5 through 8), the lateral distributions of tritium, nitrate, gross alpha, nonvolatile beta, mercury, specific conductance, and pH (Figures 9 through 36), and the water-elevation contours of the different hydrostratigraphic zones and units and the groundwater flow directions (Figures 37 through 40) are in Appendix C; the monitoring results tables as well as analyses that exceeded the holding times and PDWS are in Appendix D; time series plots for tritium, nitrate, and pH are in Appendix E; and hydrographs are in Appendix F.

Analytical Results Exceeding Standards

Results for analytes that exceeded the PDWS (see Appendix A) during second quarter 1992 are summarized in Table 1 (Appendix D).

Fifty-one of the 58 Aquifer Zone IIB (Water Table) wells contained tritium, nonvolatile beta, nitrate, total alpha-emitting radium (radium-224 and radium-226), gross alpha, mercury, lead, arsenic, or tetrachloroethylene levels that exceeded the PDWS. Tritium was elevated in 48 wells, with activities up to 1.8E+04 pCi/mL in well HSB112D; nonvolatile beta was elevated in 30 wells, with activities up to 1.3E+04 pCi/L in well HSB116D; nitrate was elevated in 28 wells, with concentrations up to 72,000 μg/L in well HSB101D; total alpha-emitting radium was elevated in 25 wells, with activities up to 1.7E+02 pCi/L in well HSB116D; and gross

alpha was elevated in 16 wells, with activities up to 2.2E+02 pCi/L in well HSB102D. Mercury was elevated in 9 wells, lead in 6 wells, arsenic in 1 well, and tetrachloroethylene in one well.

Thirty-five of the 46 wells that monitor the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean) contained levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, tetrachloroethylene, gross alpha, or cadmium that exceeded the PDWS. Tritium was elevated in 34 wells, with activities up to 1.7E+04 pCi/mL in wells HSB 86C and 116C; nitrate was elevated in 18 wells, with concentrations up to 64,000 μg/L in well HSB137C; and nonvolatile beta was elevated in 11 wells, with activities up to 4.4E+02 pCi/L in well HSB 86C. Total alpha-emitting radium was elevated in 6 wells, tetrachloroethylene in 4 wells, gross alpha in 4 wells, and cadmium in 1 well.

Two of the six wells that monitor the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) contained levels of tritium that exceeded the PDWS. Wells HSB 68B and HSB 84B exhibited 1.9E+02 pCi/mL and 8.6E+01 pCi/mL of tritium activity, respectively.

Three of the 12 wells in the upper portion of Aquifer Unit IIA (Congaree) contained elevated levels of tritium, with activities up to 2.2E+03 pCi/mL in well HSB118A. Wells HSB 65A and 84A in the lower portion of Aquifer Unit IIA (Congaree) contained tritium or nonvolatile beta activities exceeding the PDWS.

During second quarter 1992, mercury exceeded the PDWS in nine wells in Aquifer Zone IIB_2 (Water Table) (HSB 68, 101D, 102D, 104D, 105D, 107D, 108D, 126D, and 127D), with the highest concentration at 6.8 μg/L in well HSB126D. Mercury did not exceed this standard in any of the lower water-bearing units. Lead was elevated in six wells in Aquifer Zone IIB_2 (Water Table) (HSB 66, 70, 102D, 115D, 116D, and 137D). The highest concentration for Lead was 71 μg/L in well HSB115D. Arsenic was found only in Aquifer Zone IIB_2 (Water Table) well HSB101D. Cadmium at levels exceeding the PDWS was found only in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean) well HSB 86C.

Tetrachloroethylene was elevated in one Aquifer Zone IIB_2 well, HSB143D, and in four upper Aquifer Zone IIB_1 (Barnwell/McBean) wells (HSB106C, 139C, 143C, and 145C) during second quarter 1992. Levels of tetrachloroethylene above the PDWS have appeared consistently in well HSB139C. No other volatile organic compounds exceeded the PDWS at the HASB during this quarter.

Results for analytes that exceeded other SRS flagging criteria (see Appendix B) during second quarter 1992 are summarized in Table 2 (Appendix D). The results for all constituents are presented in Table 3 (Appendix D). Table 3 also identifies any constituent whose analysis exceeded the EPA-approved holding time or PDWS.

The lateral distributions of tritium, nitrate, gross alpha, nonvolatile beta, mercury, specific conductance, and pH in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean), and Aquifer Unit IIA (Congaree) during second quarter 1992 are presented in Figures 9 through 36.

Tritium, Nitrate, and pH Time-Trend Data

Time series plots of tritium, nitrate, and pH from third quarter 1989 through second quarter 1992 for certain wells and well clusters at the HASB appear in Appendix E. The designations "U. Congaree, M. Congaree," and "L. Congaree" used in Appendix E represent the upper, middle, and lower portions, respectively, of Aquifer Unit IIA (Congaree).

Tritium activities in wells HSB 83B, 83C, 85B, 85C, 86A, 86B, 100C, 125C, 130C, 130D, 131D, and 139A have been consistently below the PDWS when sampled for at least the past three years. Most of the other wells shown in Appendix E exhibit tritium in levels that have exceeded the PDWS since at least early 1989. The time series plots for wells HSB 68A, 69, 84D, 100D, 101D, 102D, 104D, 105D, 106D, 107C, 107D, 108D, 109D, 110D, 112E, 113D, 114D, 115D, 125D, 129D, 133D, 134D, 135D, 136D, 137D, and 138D show declining tritium activities with time. The time series plots for wells HSB 65A, 119A, and 137C indicate that tritium activities are increasing with time. Data from wells HSB118A, 122A, 123A, 142D, 144A, 147D, 149D, and 150D and from well clusters HSB124, 140, 141, 143, 145, 146, 148, 151, and 152 are insufficient to detect general trends in tritium levels. The remaining HSB wells presented in Appendix E exhibit no detectable long-term patterns.

Well HSB131C, located on the south side of Fourmile Branch, has continuously exhibited elevated levels of tritium. It is believed that the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean) discharges into Fourmile Branch from the south and north sides of the creek. The hypothesis that constituents can migrate south of Fourmile Branch and then discharge from the south will be tested by the two new upper Aquifer Zone IIB_1 (Barnwell/McBean) wells, HSB140C and 148C, installed during late 1990 south of Fourmile Branch. Tritium has been detected in these wells at levels below the PDWS, except during first quarter 1992 when elevated levels were detected in well HSB148C. It is possible that Fourmile Branch incises upper Aquifer Zone IIB_1 (Barnwell/McBean), creating a discharge area for that water-bearing unit so that tritium cannot migrate further within the groundwater system.

Nitrate concentrations in wells HSB 66, 68A, 68B, 70, 71, 83A, 83B, 83C, 84B, 101C, 104C, 105C, 106C, 110C, 125C, 130D, 131D, 134C, 135C, and 139A and in well clusters HSB 65, 85, 100, 109, 132, and 133 have been consistently below the PDWS for the past three years. Most of the remaining wells contain nitrate concentrations that have exceeded the PDWS since at least early 1989. The time series plots for wells HSB 71C, 83D, 84D, 86C, 101D, 102D, 103D, 104D, 105D, 107D, 108D, 111D, 117C, 126D, 135D, and 138D indicate declining nitrate concentrations with time. The plot for well HSB 70C shows increasing nitrate concentrations. Wells HSB 84C, 110D, 112C, 112D, 113D, 114C, 115C, 115D, 116C, 116D, 119A, 127C, 129D, and 136C have what appear to be anomalously high results for fourth quarter 1991. Wells HSB118A, 144A, 147D, 149D, and 150D and well clusters HSB140, 141, 142, 143, 145, 146, 148, 151, and 152 have insufficient data to determine long-term trends.

Aquifer Zone IIB_2 (Water Table) well HSB 66 and well clusters HSB 69, 84, 104, 111, 116, 126, and 131 were used to characterize the pH levels for certain locations within the HASB. Well HSB 66, the only well that represents pH conditions upgradient of the HASB, is somewhat acidic. Aquifer Zone IIB_2 (Water Table) wells HSB 69 and 84D, located midway between Basin H-4 and Fourmile Branch, exhibit pH levels usually between 3 and 4. Aquifer Unit IIA (Congaree) well HSB 69A exhibits a pH between 6 and 10. The other wells in the HSB 84

well cluster have pH levels ranging from 4 to just over 10. The pH levels in well cluster HSB 84 have become more consistent since first quarter 1990, with the range since that time between 6 and 8 in HSB 84A and 84C. HSB 84D remains consistently acidic, and HSB 84B remains basic. Well cluster HSB104, located between Basin H-3 and Fourmile Branch, exhibits a pH range from approximately 7 to greater than 10 in the Aquifer Zone IIB_1 (Barnwell/McBean) well and an acidic pH of approximately 4 in the Aquifer Zone IIB_2 (Water Table) well. Well clusters HSB111 and HSB116, located directly downgradient of the edge of Basin H-4, exhibit acidic conditions generally between 4 and 6. Well clusters HSB126 and HSB131, located near Fourmile Branch, have pH levels fluctuating around neutral in the Aquifer Zone IIB_1 (Barnwell/McBean) wells and somewhat acidic pH levels in the Aquifer Zone IIB_2 (Water Table) wells.

Water Levels

Hydrographs showing the water elevations through time for well clusters at the HASB are provided in Appendix F. The average water elevation in Aquifer Zone IIB_2 (Water Table) during first quarter 1992 was 221.62 ft msl. The average water elevation in this zone during second quarter 1992 was 222.29 ft msl, an increase of 0.67 ft since the previous quarter. The average water elevation in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean) during first quarter 1992 was 216.91 ft msl. The average water elevation in this zone during second quarter 1992 was 216.86 ft msl; a decline of 0.05 ft since the first quarter. The average water elevation in the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) during first quarter 1992 was 221.58 ft msl. The average water elevation during second quarter 1992 in this zone was 221.80 ft msl; an increase of 0.22 ft from the first quarter. The average water elevation in Aquifer Unit IIA (Congaree) during first quarter 1992 was 171.66 ft msl. The average water elevation in Aquifer Unit II (Congaree) during the second quarter 1992 was 171.59 ft msl, a decline of 0.07 ft since first quarter.

A consistent downward vertical head relationship exists between the hydrologic zones and units monitored at the HASB. Flow potential is downward from Aquifer Zone IIB_2 (Water Table) to Aquifer Zone IIB_1 (Barnwell/McBean) (although at several well clusters, the head difference is very small) and downward from Aquifer Zone IIB_1 (Barnwell/McBean) to Aquifer Unit IIA (Congaree). These hydrologic zones have exhibited consistent head relationships since 1988. There are no wells screened in the lower portion of Aquifer Unit IIA (Congaree) to evaluate the head relationship in this unit.

Groundwater Flow Rates and Directions

Groundwater flow directions near the HASB in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean), and Aquifer Unit IIA (Congaree) have remained relatively unchanged by closure activities. Piezometric surface maps (Figures 37 through 40) for these four monitored units illustrate groundwater flow patterns. Flow in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), and the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) is generally to the southwest toward Fourmile Branch. Flow in Aquifer Unit IIA (Congaree) is northwest toward Upper Three Runs Creek. Flow directions in this report are presented according to SRS grid coordinates.

To estimate the maximum transport rate of any potential contamination originating from the HASB, the maximum horizontal flow rate of groundwater is estimated for each hydrostratigraphic unit. Flow rate calculations are approximations based on inferred or estimated parameters. For this reason, estimations of flow rates should be considered accurate to an order of magnitude only. The groundwater flow rate estimates for Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean), and Aquifer Unit IIA (Congaree) beneath the HASB are based on the following one-dimensional flow equation:

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

The hydraulic conductivity (Kh) constants are 10.0 ft/day for Aquifer Zone IIB_2 (Water Table), 10.0 feet/day for the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), 5.3 ft/day for the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean), and 65.0 ft/day for Aquifer Unit IIA (Congaree) (Geraghty & Miller, 1989). An effective porosity value of 20% is used for each hydrostratigraphic unit (Jaegge et al., 1987). This value is based on field and laboratory measurements of porosity and is assumed a conservative estimate. The gradient in each calculation represents the change in head (dh) divided by the horizontal distance (dl) along each flow direction arrow. Flow rate estimates vary depending upon the vertical gradient between wells, the size of the area under consideration, and the number of data points.

The maximum groundwater flow rate in Aquifer Zone IIB_2 (Water Table) is estimated as follows (using the left flow line in Figure 37, Appendix C):

$$\frac{10}{0.20} \times \frac{26}{1730} = 0.75 \text{ ft/day}$$

$$0.75 \text{ ft/day} \times 365 \text{ days} = 270 \text{ ft/yr}$$

The groundwater flow rate in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean) is estimated as follows (using the left flow line in Figure 38, Appendix C):

$$\frac{10}{0.20} \times \frac{24}{1010} = 1.19 \text{ ft/day}$$

$$1.19 \text{ ft/day} \times 365 \text{ days} = 430 \text{ ft/yr}$$

The groundwater flow rate in the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) is estimated as follows (see Figure 39, Appendix C):

$$\frac{5.3}{0.20} \times \frac{8}{830} = 0.26 \text{ ft/day}$$

$$0.26 \text{ ft/day} \times 365 \text{ days} = 95 \text{ ft/yr}$$

The groundwater flow rate in Aquifer Unit IIA (Congaree) is estimated as follows (see Figure 40, Appendix C):

$$\frac{65}{0.20} \times \frac{6}{2030} = 0.96 \text{ ft/day}$$

$$0.96 \text{ ft/day} \times 365 \text{ days} = 350 \text{ ft/yr}$$

Upgradient Versus Downgradient Results

Groundwater flow in Aquifer Zone IIB_2 (Water Table) is to the southwest toward Fourmile Branch (see Figure 37, Appendix C). Wells HSB 65, 66, and 85C are designated upgradient wells for Aquifer Zone IIB_2 (Water Table). All remaining Aquifer Zone IIB_2 (Water Table) wells monitor downgradient water quality (see Figure 5, Appendix C). Flows in the upper and lower components of Aquifer Zone IIB_1 (Barnwell/McBean) are also to the southwest toward Fourmile Branch (see Figures 38 and 39, Appendix C). No wells monitor upgradient water quality in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean) (see Figure 6, Appendix C). Well HSB 65C is screened above Confining Zone IIB_1-IIB_2 (Tan Clay) and as such s a submerged Aquifer Zone IIB_2 (Water Table) well. The designated upgradient wells in the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) are HSB 65B and 85B (see Figure 7, Appendix C).

Flow in the Aquifer Unit IIA (Congaree) is to the northwest toward Upper Three Runs Creek. Unlike the shallower units, flow directions in Aquifer Unit IIA (Congaree) are affected by Upper Three Runs Creek (Figure 40, Appendix C). Aquifer Unit IIA (Congaree) wells between the HASB and the seepline are upgradient of the HASB but may not represent background water quality; thus, no upgradient versus downgradient comparisons are made in this report for this hydrostratigraphic unit.

At least one of 87 downgradient wells screened in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), and the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) contained levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, gross alpha, mercury, lead, tetrachloroethylene, arsenic, or cadmium that exceeded the PDWS during second quarter 1992. Levels of these constituents exceeding the PDWS were not found in upgradient wells HSB 65, 65B, 66, 85B, and 85C with the following exceptions: upgradient well HSB 65 exhibited tritium activities that exceeded the PDWS, and well HSB 66 exhibited lead levels above the PDWS. Tritium values for well HSB 65 have historically been near the PDWS (20 pCi/mL).

Conclusions

The groundwater at the HASB contains elevated levels of low-level radionuclides and chemicals, resulting from 30 years of receiving wastewater from the H-Area Separations Facility. During second quarter 1992, tritium, nitrate, nonvolatile beta, total alpha-emitting radium, gross alpha, mercury, lead, tetrachloroethylene, arsenic, or cadmium exceeded the PDWS at one or more wells at the HASB.

As in previous quarters, tritium and nitrate were the primary constituents found in the groundwater at the HASB. Of the 130 groundwater monitoring wells, 89 (68%) exhibited elevated tritium activities and 46 (35%) exhibited elevated nitrate activities. These two constituents were found primarily in Aquifer Zone IIB_2 (Water Table) and in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), suggesting that horizontal groundwater flow is dominant beneath this waste management unit. However, tritium activities exceeding the PDWS also occurred in several wells in the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) and Aquifer Unit IIA (Congaree). The presence of tritium and other constituents in the lower hydrostratigraphic units and the head difference indicates that vertical pathways into the deeper water-bearing units exist at the HASB. A current groundwater flow model for the General Separations Area indicates that the vertical component beneath this area is important (GeoTrans, Inc., 1992). The highest tritium activity was found in Aquifer Zone IIB_2 (Water Table) well HSB112D (1.8E+04 pCi/mL). The highest nitrate concentration occurred in Aquifer Zone IIB_2 (Water Table) in well HSB101D (72,000 μg/L). Tritium and nitrate levels appear to be decreasing over time since closure of the HASB, at least in Aquifer Zone IIB_2 (Water Table).

Mercury, lead, and cadmium historically have been the primary heavy metals exhibiting elevated concentrations at the HASB. During second quarter 1992, mercury exceeded the PDWS in 9 wells in Aquifer Zone IIB_2 (Water Table) (HSB 68, 101D, 102D, 104D, 105D, 107D, 108D, 126D, and 127D), with the highest concentration at 6.8 μg/L in well HSB126D. Mercury did not exceed this standard in any of the lower water-bearing units. Most of the water-table wells with elevated mercury lie south of the seepage basins; however, well HSB101D lies east of the basins. Lead was elevated in six wells in Aquifer Zone IIB_2 (Water Table) (HSB 66, 70, 102D, 115D, 116D, and 137D), and exhibited the highest level of 71 μg/L in well HSB115D. Cadmium at a level exceeding the PDWS was found only in well HSB 86C in the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean). This well has consistently exhibited elevated levels of cadmium since the first quarter of 1989.

Tetrachloroethylene was elevated in one Aquifer Zone IIB_2 (Water Table) well, HSB143D, and in four upper Aquifer Zone IIB_1 (Barnwell/McBean) wells (HSB106C, 139C, 143C, and 145C) during second quarter 1992. Levels of tetrachloroethylene above the PDWS previously have appeared consistently in well HSB139C. No other volatile organic compounds exceeded the PDWS at the HASB during this quarter. Historically, volatile organics compounds were not placed in the HASB; however, elevated levels of these constituents have occurred sporadically over the years.

Flow rates during second quarter 1992 were estimated as approximately 270, 430, 95, and 350 ft/yr in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean), and Aquifer Unit IIA (Congaree), respectively.

At least one of 87 downgradient wells screened in Aquifer Zone IIB_2 (Water Table), the upper portion of Aquifer Zone IIB_1 (Barnwell/McBean), and the lower portion of Aquifer Zone IIB_1 (Barnwell/McBean) contained levels of tritium, nitrate, nonvolatile beta, total alpha-emitting radium, gross alpha, mercury, lead, tetrachloroethylene, arsenic, or cadmium that exceeded the PDWS during second quarter 1992. Elevated levels of these constituents were not found in upgradient wells HSB 65B, 85B, and 85C; however, upgradient well HSB 65 exhibited tritium activities and HSB 66 contained lead that exceeded the PDWS. Tritium values for well HSB 65 have historically been near the PDWS (20 pCi/mL). 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.

Errata

H-Area Seepage Basins Groundwater Monitoring Report, Fourth Quarter 1991

- Page 11, Water Levels, paragraph 1, line 5: The measurement 0.36 ft should read "0.37 ft."
- Page 12, Upgradient Versus Downgradient Results: Well HSB 65C should be identified as an upgradient Aquifer Zone IIB_2 (Water Table) well.
- Page 2, paragraph 2, line 1; page 2, paragraph 5, line 4; page 13, paragraph 2, line 4; page 14, paragraph 5, line 1; page 15, line 4: "Trichloroethylene" should be "tetrachloroethylene."
- Pages C-6 and C-7: Well HSB 65C should be deleted from Figure 6 and added to Figure 5.

First Quarter 1992:

- Page 1, paragraph 1, line 8; page 3, paragraph 3, line 8: The December 1990 Part B Post-Closure Care Permit Application is no longer the active document. This statement should identify the revised permit application submitted March 13, 1992.
- Page 1, paragraph 2, line 7: The statement referring to Administrative Consent Order 85-70-SW should be corrected to indicate that the first, second, and third quarters are submitted to SCDHEC 90 days after the end of each quarter as required by Administrative Consent Order 85-70-SW (as amended in 1988). The fourth quarter report, which includes the annual report, is submitted to SCDHEC 90 days after the end of the quarter as negotiated by SCDHEC with EPA.
- Page 8, paragraph 1, line 1: The well identified as HSB 85D should be identified as HSB 85A.
- Page 8, paragraph 1, line 4: The well identified as HSB 69A should be identified as HSB 69.
- Page 9, Water Levels, paragraph 1, line 2: "Aquifer Zones IIB_2 (Water Table)" should read "Aquifer Zone IIB_2 (Water Table)."
- Page E-66: The time series plot is incorrectly labeled as HSB 69A. The correct label is HSB 69.

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Appendix A – Primary Drinking Water Standards

Primary Drinking Water Standards

Analyte	Unit	Level	Status	Reference
Americium-241	pCi/L	6.34E+00	Proposed	EPA, 1991
Americium-243	pCi/L	6.37E+00	Proposed	EPA, 1991
Antimony	µg/L	5[a]	Proposed	EPA, 1990
Antimony-125	pCi/L	3E+02	Final	EPA, 1977
Arsenic	µg/L	50	Final	CFR, 1991
Barium	µg/L	2,000	Final	CFR, 1991
Barium-140	pCi/L	9E+01	Final	EPA, 1977
Benzene	µg/L	5	Final	CFR, 1991
Benzo[*a*]anthracene	µg/L	0.1	Proposed	EPA, 1990
Benzo[*b*]fluoranthene	µg/L	0.2	Proposed	EPA, 1990
Benzo[*k*]fluoranthene	µg/L	0.2	Proposed	EPA, 1990
Benzo[*a*]pyrene	µg/L	0.2	Proposed	EPA, 1990
Beryllium	µg/L	1	Proposed	EPA, 1990
Beryllium-7	pCi/L	6E+03	Final	EPA, 1977
Bromodichloromethane	µg/L	100	Final	CFR, 1991
Bromoform	µg/L	100	Final	CFR, 1991
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	µg/L	7	Proposed	EPA, 1990
Cadmium	µg/L	5	Final	CFR, 1991
Carbon-14	pCi/L	2E+03	Final	EPA, 1977
Carbon tetrachloride	µg/L	5	Final	CFR, 1991
Cerium-141	pCi/L	3E+02	Final	EPA, 1977
Cerium-144	pCi/L	2.61E+02	Proposed	EPA, 1991
Cesium-134	pCi/L	8.13E+02[b]	Proposed	EPA, 1991
Cesium-137	pCi/L	2E+02	Final	EPA, 1977
Chlordane	µg/L	2	Final	CFR, 1991
Chloroethene (Vinyl chloride)	µg/L	2	Final	CFR, 1991
Chloroform	µg/L	100	Final	CFR, 1991
Chromium	µg/L	100	Final	CFR, 1991
Chromium-51	pCi/L	6E+03	Final	EPA, 1977
Chrysene	µg/L	0.2	Proposed	EPA, 1990
Cobalt-57	pCi/L	1E+03	Final	EPA, 1977
Cobalt-58	pCi/L	9E+03	Final	EPA, 1977
Cobalt-60	pCi/L	1E+02	Final	EPA, 1977
Copper	µg/L	1,300	Final	CFR, 1991
Curium-242	pCi/L	1.33E+02	Proposed	EPA, 1991
Curium-243	pCi/L	8.3E+00	Proposed	EPA, 1991
Curium-244	pCi/L	9.84E+00	Proposed	EPA, 1991
Curium-246	pCi/L	6.27E+00	Proposed	EPA, 1991
Cyanide	µg/L	200	Proposed	EPA, 1990
Dibenz[*a,h*]anthracene	µg/L	0.3	Proposed	EPA, 1990
Dibromochloromethane	µg/L	100	Final	CFR, 1991
Dibromochloropropane	µg/L	0.2	Final	CFR, 1991
1,2-Dichlorobenzene	µg/L	600	Final	CFR, 1991
1,4-Dichlorobenzene	µg/L	75	Final	CFR, 1991
1,2-Dichloroethane	µg/L	5	Final	CFR, 1991
1,1-Dichloroethylene	µg/L	7	Final	CFR, 1991
cis-1,2-Dichloroethylene	µg/L	70	Final	CFR, 1991
trans-1,2-Dichloroethylene	µg/L	100	Final	CFR, 1991
Dichloromethane (Methylene chloride)	µg/L	5	Proposed	EPA, 1990
2,4-Dichlorophenoxyacetic acid	µg/L	70	Final	CFR, 1991
1,2-Dichloropropane	µg/L	5	Final	CFR, 1991
Endrin	µg/L	0.2	Final	CFR, 1991
Ethylbenzene	µg/L	700	Final	CFR, 1991
Europium-154	pCi/L	2E+02	Final	EPA, 1977

Analyte	Unit	Level	Status	Reference
Europium-155	pCi/L	6E+02	Final	EPA, 1977
Fluoride	µg/L	4,000	Final	CFR, 1991
Gross alpha[c]	pCi/L	1.5E+01	Final	CFR, 1991
Heptachlor	µg/L	0.4	Final	CFR, 1991
Heptachlor epoxide	µg/L	0.2	Final	CFR, 1991
Hexachlorobenzene	µg/L	1	Proposed	EPA, 1990
Hexachlorocyclopentadiene	µg/L	50	Proposed	EPA, 1990
Iodine-129	pCi/L	1E+00	Final	EPA, 1977
Iodine-131	pCi/L	3E+00	Final	EPA, 1977
Iron-55	pCi/L	2E+03	Final	EPA, 1977
Iron-59	pCi/L	2E+02	Final	EPA, 1977
Lanthanum-140	pCi/L	6E+01	Final	EPA, 1977
Lead	µg/L	15	Final	CFR, 1991
Lindane	µg/L	0.2	Final	CFR, 1991
Manganese-54	pCi/L	3E+02	Final	EPA, 1977
Mercury	µg/L	2	Final	CFR, 1991
Methoxychlor	µg/L	40	Final	CFR, 1991
Neptunium-237	pCi/L	7.06E+00	Proposed	EPA, 1991
Nickel	µg/L	100	Proposed	EPA, 1990
Nickel-59	pCi/L	3E+02	Final	EPA, 1977
Nickel-63	pCi/L	5E+01	Final	EPA, 1977
Niobium-95	pCi/L	3E+02	Final	EPA, 1977
Nitrate as nitrogen	µg/L	10,000	Final	CFR, 1991
Nitrite as nitrogen	µg/L	1,000	Final	CFR, 1991
Nonvolatile beta	pCi/L	5E+01	Proposed	EPA, 1986
PCBs[d]	µg/L	0.5	Final	CFR, 1991
Pentachlorophenol	µg/L	1	Final	CFR, 1991
Plutonium-238	pCi/L	7.02E+00	Proposed	EPA, 1991
Plutonium-239	pCi/L	6.21E+01	Proposed	EPA, 1991
Plutonium-239/240[e]	pCi/L	6.21E+01	Proposed	EPA, 1991
Plutonium-240	pCi/L	6.22E+01	Proposed	EPA, 1991
Plutonium-241	pCi/L	6.26E+01	Proposed	EPA, 1991
Plutonium-242	pCi/L	6.54E+01	Proposed	EPA, 1991
Potassium-40	pCi/L	3E+02	Proposed	EPA, 1986
Radium-226	pCi/L	1.57E+01	Proposed	EPA, 1991
Radium-228	pCi/L	7.85E+00	Proposed	EPA, 1991
Radon-222	pCi/L	3E+02	Proposed	EPA, 1991
Ruthenium-103	pCi/L	2E+02	Final	EPA, 1977
Ruthenium-106	pCi/L	3E+01	Final	EPA, 1977
Selenium	µg/L	50	Final	CFR, 1991
Silver	µg/L	50	Final	CFR, 1991
Sodium-22	pCi/L	4.66E+02	Proposed	EPA, 1991
Strontium-89	pCi/L	2E+01[f]	Final	EPA, 1977
Strontium-89/90[e]	pCi/L	8E+00	Final	CFR, 1991
Strontium-90	pCi/L	8E+00	Final	CFR, 1991
Styrene	µg/L	100	Final	CFR, 1991
Sulfate	µg/L	400,000[a]	Proposed	EPA, 1990
Technetium-99	pCi/L	9E+02	Final	EPA, 1977
Tetrachloroethylene	µg/L	5	Final	CFR, 1991
Thallium	µg/L	1	Proposed	EPA, 1990
Thorium-228	pCi/L	1.25E+02	Proposed	EPA, 1991
Thorium-230	pCi/L	7.92E+01	Proposed	EPA, 1991
Thorium-232	pCi/L	8.8E+01	Proposed	EPA, 1991
Thorium-234	pCi/L	4.01E+02	Proposed	EPA, 1991
Tin-113	pCi/L	3E+02	Final	EPA, 1977
Toluene	µg/L	1,000	Final	CFR, 1991

Analyte	Unit	Level	Status	Reference
Total radium	pCi/L	5E+00	Final	CFR, 1991
Total trihalomethanes	µg/L	100	Final	CFR, 1991
Toxaphene	µg/L	3	Final	CFR, 1991
2,4,5-TP (Silvex)	µg/L	50	Final	CFR, 1991
1,2,4-Trichlorobenzene	µg/L	9	Proposed	EPA, 1990
1,1,1-Trichloroethane	µg/L	200	Final	CFR, 1991
1,1,2-Trichloroethane	µg/L	5	Proposed	EPA, 1990
Trichloroethylene	µg/L	5	Final	CFR, 1991
Tritium	pCi/mL	2E+01	Final	CFR, 1991
Uranium	µg/L	20	Proposed	EPA, 1991
Uranium alpha activity	pCi/L	3E+01	Proposed	EPA, 1991
Uranium-233/234[e]	pCi/L	1.38E+01	Proposed	EPA, 1991
Uranium-234	pCi/L	1.39E+01	Proposed	EPA, 1991
Uranium-235	pCi/L	1.45E+01	Proposed	EPA, 1991
Uranium-238	pCi/L	1.46E+01	Proposed	EPA, 1991
Xylenes	µg/L	10,000	Final	CFR, 1991
Zinc-65	pCi/L	3E+02	Final	EPA, 1977
Zirconium-95	pCi/L	2E+02	Final	EPA, 1977
Zirconium/Niobium-95[e]	pCi/L	2E+02	Final	EPA, 1977

Note: Drinking water standards set by EPA (1977) correspond to the level at which each radionuclide contributes 4 mrem/yr of dose to an individual consuming 2 L of contaminated liquid a day. See EPA (1977) for details.

[a] This value is the lower of two proposed levels.
[b] EPD/EMS uses the proposed standard because it is a lower value; the final PDWS in 1977 may have been in error.
[c] The standard given is for gross alpha including radium-226 but excluding radon and uranium.
[d] Analyses were conducted in 1992 for the following: PCB 1016, PCB 1221, PCB 1232, PCB 1242, PCB 1248, PCB 1254, and PCB 1260.
[e] For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.
[f] This value is the lower of two levels given for strontium-89.

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Appendix B – Flagging Criteria

Flagging Criteria

Beginning in 1991, the Environmental Monitoring Section of the Environmental Protection Department (EPD/EMS) modified its guidelines for flagging constituents in the Groundwater Monitoring Program. These flagging criteria are as follows:

- Flag 2 criteria for constituents equal the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Standard, the EPA proposed Primary Drinking Water Standard, or the EPA Secondary Drinking Water Standard. 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 EPA Primary Drinking Water Standard, one-half the EPA proposed Primary Drinking Water Standard, or one-half the EPA Secondary Drinking Water Standard. If a constituent does not have an EPA 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.

- Analytical results for constituents below Flag 1 or below sample detection limits are classified as Flag 0.

The following parameters are not assigned flagging criteria: alkalinity, calcium, carbonate, color, corrosivity, magnesium, odor, potassium, Eh, silica, sodium, total dissolved solids, total phosphorus, total phosphates (as P), and turbidity. In addition, common laboratory contaminants and cleaners including phthalates, methylene chloride, ketones, and toluene are not assigned flagging criteria.

Analyte	Unit	Flag 1	Flag 2	Source
Acenaphthene	µg/L	50	100	EPA Method 8270
Acenaphthylene	µg/L	50	100	EPA Method 8270
Acetone	µg/L	50	100	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
Aldrin	µg/L	2.5	5	EPA Method 8080
Alkalinity (as $CaCO_3$)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	250	500	EPA Method 8240
Aluminum	µg/L	100	200	EPA Method 6010
Americium-241	pCi/L	3.17E+00	6.34E+00	Proposed DWS (EPA, 1991)
Americium-243	pCi/L	3.19E+00	6.37E+00	Proposed DWS (EPA, 1991)
4-Aminobiphenyl	µg/L	50	100	EPA Method 8270
Ammonia	µg/L	500	1,000	APHA Method 417B
Ammonia nitrogen	µg/L	50	100	EPA Method 350.1
Aniline	µg/L	50	100	EPA Method 8270
Anthracene	µg/L	50	100	EPA Method 8270
Antimony	µg/L	2.5	5	Proposed DWS (EPA, 1990)
Antimony-125	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)

Analyte	Unit	Flag 1	Flag 2	Source
Aramite	µg/L	50	100	EPA Method 8270
Arsenic	µg/L	25	50	Final DWS (CFR, 1991a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final DWS (CFR, 1991a)
Barium-140	pCi/L	4.5E+01	9E+01	Final DWS (EPA, 1977)
Benzene	µg/L	2.5	5	Final DWS (CFR, 1991a)
alpha-Benzene hexachloride	µg/L	2.5	5	EPA Method 8080
beta-Benzene hexachloride	µg/L	2.5	5	EPA Method 8080
delta-Benzene hexachloride	µg/L	2.5	5	EPA Method 8080
Benzidine	µg/L	250	500	EPA Method 8270
Benzo[*a*]anthracene	µg/L	0.05	0.1	Proposed DWS (EPA, 1990)
Benzo[*b*]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzo[*k*]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzo[*g,h,i*]perylene	µg/L	50	100	EPA Method 8270
Benzo[*a*]pyrene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzoic acid	µg/L	250	500	EPA Method 8270
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	100	200	EPA Method 8270
Beryllium	µg/L	0.5	1	Proposed DWS (EPA, 1990)
Beryllium-7	pCi/L	3E+03	6E+03	Final DWS (EPA, 1977)
Bis(2-chloroethoxy) methane	µg/L	50	100	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	50	100	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(chloromethyl-ethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate		No flag	No flag	Set by EPD/EMS
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromodichloromethane	µg/L	50	100	Final DWS (CFR, 1991a)
Bromoform	µg/L	50	100	Final DWS (CFR, 1991a)
Bromomethane (Methyl bromide)	µg/L	5	10	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	50	100	EPA Method 8270
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Proposed DWS (EPA, 1990)
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
Cadmium	µg/L	2.5	5	Final DWS (CFR, 1991a)
Calcium		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 DWS (CFR, 1991a)
Carbon-14	pCi/L	1E+03	2E+03	Final DWS (EPA, 1977)
Carbonate	µg/L	500	1,000	EPA Method 310.1
Cerium-141	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Cerium-144	pCi/L	1.31E+02	2.61E+02	Proposed DWS (EPA, 1991)
Cesium-134	pCi/L	4.07E+01	8.13E+01	Proposed DWS (EPA, 1991)
Cesium-137	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Chlordane	µg/L	1	2	Final DWS (CFR, 1991a)
Chloride	µg/L	125,000	250,000	Secondary DWS (CFR, 1991b)
4-Chloroaniline	µg/L	50	100	EPA Method 8270
Chlorobenzene	µg/L	5	10	EPA Method 8240
Chlorobenzilate	µg/L	50	100	EPA Method 8270
Chloroethane	µg/L	5	10	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	Final DWS (CFR, 1991a)
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 DWS (CFR, 1991a)
para-Chloro-meta-cresol	µg/L	50	100	EPA Method 8270
Chloromethane (Methyl chloride)	µg/L	5	10	EPA Method 8240
2-Chloronaphthalene	µg/L	50	100	EPA Method 8240

Analyte	Unit	Flag 1	Flag 2	Source
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 DWS (CFR, 1991a)
Chromium-51	pCi/L	3E+03	6E+03	Final DWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Cobalt	µg/L	20	40	EPA Method 6010
Cobalt-57	pCi/L	5E+02	1E+03	Final DWS (EPA, 1977)
Cobalt-58	pCi/L	4.5E+03	9E+03	Final DWS (EPA, 1977)
Cobalt-60	pCi/L	5E+01	1E+02	Final DWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	650	1,300	Final DWS (CFR, 1991a)
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 DWS (EPA, 1991)
Curium-243	pCi/L	4.15E+00	8.3E+00	Proposed DWS (EPA, 1991)
Curium-244	pCi/L	4.92E+00	9.84E+00	Proposed DWS (EPA, 1991)
Curium-246	pCi/L	3.14E+00	6.27E+00	Proposed DWS (EPA, 1991)
Cyanide	µg/L	100	200	Proposed DWS (EPA, 1990)
p,p'-DDD	µg/L	2.5	5	EPA Method 8080
p,p'-DDE	µg/L	2.5	5	EPA Method 8080
p,p'-DDT	µg/L	2.5	5	EPA Method 8080
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
Diallate	µg/L	50	100	EPA Method 8270
Dibenz[*a,h*]anthracene	µg/L	0.15	0.3	Proposed DWS (EPA, 1990)
Dibenzofuran	µg/L	50	100	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final DWS (CFR, 1991a)
Dibromochloropropane	µg/L	0.1	0.2	Final DWS (CFR, 1991a)
1,2-Dibromo-3-chloropropane	µg/L	250	500	EPA Method 8240
1,2-Dibromoethane	µg/L	100	200	EPA Method 8240
Dibromomethane (Methylene bromide)	µg/L	5	10	EPA Method 8240
1,2-Dichlorobenzene	µg/L	300	600	Final DWS (CFR, 1991a)
1,3-Dichlorobenzene	µg/L	50	100	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final DWS (CFR, 1991a)
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 DWS (CFR, 1991a)
cis-1,2-Dichloroethene	µg/L	35	70	Final DWS (CFR, 1991a)
1,1-Dichloroethylene	µg/L	3.5	7	Final DWS (CFR, 1991a)
1,2-Dichloroethylene	µg/L	25	50	EPA Method 8240
trans-1,2-Dichloroethylene	µg/L	50	100	Final DWS (CFR, 1991a)
Dichloromethane (Methylene chloride)		No flag	No flag	Set by EPD/EMS
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 DWS (CFR, 1991a)
1,2-Dichloropropane	µg/L	2.5	5	Final DWS (CFR, 1991a)
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

Analyte	Unit	Flag 1	Flag 2	Source
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
4,6-Dinitro-ortho-cresol	µg/L	250	500	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
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
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
alpha-Endosulfan	µg/L	50	100	EPA Method 8270
beta-Endosulfan	µg/L	50	100	EPA Method 8270
Endosulfan I	µg/L	2.5	5	EPA Method 8080
Endosulfan II	µg/L	2.5	5	EPA Method 8080
Endosulfan sulfate	µg/L	2.5	5	EPA Method 8080
Endrin	µg/L	0.1	0.2	Final DWS (CFR, 1991a)
Endrin aldehyde	µg/L	2.5	5	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethyl methacrylate	µg/L	50	100	EPA Method 8270
Ethyl methanesulfonate	µg/L	50	100	EPA Method 8270
Ethylbenzene	µg/L	350	700	Final DWS (CFR, 1991a)
Europium-154	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Europium-155	pCi/L	3E+02	6E+02	Final DWS (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 DWS (CFR, 1991a)
Gross alpha	pCi/L	7.5E+00	1.5E+01	Final DWS (CFR, 1991a)
Heptachlor	µg/L	0.2	0.4	Final DWS (CFR, 1991a)
Heptachlor epoxide	µg/L	0.1	0.2	Final DWS (CFR, 1991a)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.00325	0.0065	EPA Method 8280
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	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-Heptachlorodibenzo-p-furan	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Proposed DWS (EPA, 1990)
Hexachlorobutadiene	µg/L	50	100	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Proposed DWS (EPA, 1990)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280

Analyte	Unit	Flag 1	Flag 2	Source
1,2,3,4,7,8-Hexachlorodibenzo-p-furan	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	100	200	EPA Method 8240
Indeno[*1,2,3-c,d*]pyrene	µg/L	50	100	EPA Method 8270
Iodine	µg/L	500	1,000	EPA Method 415
Iodine-129	pCi/L	5E-01	1E+00	Final DWS (EPA, 1977)
Iodine-131	pCi/L	1.5E+00	3E+00	Final DWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	75	150	EPA Method 8240
Iron	µg/L	150	300	Secondary DWS (CFR, 1991b)
Iron-55	pCi/L	1E+03	2E+03	Final DWS (EPA, 1977)
Iron-59	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Isobutyl alcohol	µg/L	500	1,000	EPA Method 8240
Isodrin	µg/L	50	100	EPA Method 8270
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	pCi/L	3E+01	6E+01	Final DWS (EPA, 1977)
Lead	µg/L	7.5	15	Final DWS (CFR, 1991a)
Lindane	µg/L	0.1	0.2	Final DWS (CFR, 1991a)
Lithium	µg/L	25	50	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	Secondary DWS (CFR, 1991b)
Manganese-54	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Mercury	µg/L	1	2	Final DWS (CFR, 1991a)
Methacrylonitrile	µg/L	250	500	EPA Method 8240
Methapyrilene	µg/L	50	100	EPA Method 8270
Methoxychlor	µg/L	20	40	Final DWS (CFR, 1991a)
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
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 DWS (EPA, 1991)
Nickel	µg/L	50	100	Proposed DWS (EPA, 1990)
Nickel-59	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Nickel-63	pCi/L	2.5E+01	5E+01	Final DWS (EPA, 1977)
Niobium-95	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final DWS (CFR, 1991a)
Nitrite as nitrogen	µg/L	500	1,000	Final DWS (CFR, 1991a)
2-Nitroaniline	µg/L	50	100	EPA Method 8270
3-Nitroaniline	µg/L	50	100	EPA Method 8270
4-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
4-Nitrophenol	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
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-Nitrosodi-propylamine	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	Proposed DWS (EPA, 1986)
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
Parathion	µg/L	2.5	5	EPA Method 8080
Parathion methyl	µg/L	2.5	5	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final DWS (CFR, 1991a)
PCB 1221	µg/L	0.25	0.5	Final DWS (CFR, 1991a)
PCB 1232	µg/L	0.25	0.5	Final DWS (CFR, 1991a)
PCB 1242	µg/L	0.25	0.5	Final DWS (CFR, 1991a)
PCB 1248	µg/L	0.25	0.5	Final DWS (CFR, 1991a)
PCB 1254	µg/L	0.25	0.5	Final DWS (CFR, 1991a)
PCB 1260	µg/L	0.25	0.5	Final DWS (CFR, 1991a)
PCB 1262	µg/L	0.25	0.5	Final DWS (CFR, 1991a)
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-Pentachlorodibenzo-p-dioxin	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-Pentachlorodibenzo-p-furan	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 DWS (CFR, 1991a)
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 420.2
p-Phenylenediamine	µg/L	50	100	EPA Method 8270
Phorate	µg/L	2.5	5	EPA Method 8080
2-Picoline	µg/L	50	100	EPA Method 8270
Plutonium-238	pCi/L	3.51E+00	7.02E+00	Proposed DWS (EPA, 1991)
Plutonium-239	pCi/L	3.11E+01	6.21E+01	Proposed DWS (EPA, 1991)
Plutonium-239/240[a]	pCi/L	3.11E+01	6.21E+01	Proposed DWS (EPA, 1991)
Plutonium-240	pCi/L	3.11E+01	6.22E+01	Proposed DWS (EPA, 1991)
Plutonium-241	pCi/L	3.13E+01	6.26E+01	Proposed DWS (EPA, 1991)
Plutonium-242	pCi/L	3.27E+01	6.54E+01	Proposed DWS (EPA, 1991)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium-40	pCi/L	1.5E+02	3E+02	Proposed DWS (EPA, 1986)
Pronamid	µg/L	50	100	EPA Method 8270
Propionitrile	µg/L	1,000	2,000	EPA Method 8240

Analyte	Unit	Flag 1	Flag 2	Source
Pyrene	µg/L	50	100	EPA Method 8270
Pyridine	µg/L	50	100	EPA Method 8270
Radium-226	pCi/L	7.85E+00	1.57E+01	Proposed DWS (EPA, 1991)
Radium-228	pCi/L	3.93E+00	7.85E+00	Proposed DWS (EPA, 1991)
Radon-222	pCi/L	1.5E+02	3E+02	Proposed DWS (EPA, 1991)
Ruthenium-103	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Ruthenium-106	pCi/L	1.5E+01	3E+01	Final DWS (EPA, 1977)
Safrole	µg/L	50	100	EPA Method 8270
Selenium	µg/L	25	50	Final DWS (CFR, 1991a)
Silica		No flag	No flag	Set by EPD/EMS
Silver	µg/L	25	50	Final DWS (CFR, 1991a)
Sodium		No flag	No flag	Set by EPD/EMS
Sodium-22	pCi/L	2.33E+02	4.66E+02	Proposed DWS (EPA, 1991)
Specific conductance	µS/cm	250	500	Set by EPD/EMS
Strontium-89	pCi/L	1E+01	2E+01	Final DWS (EPA, 1977)
Strontium-89/90[a]	pCi/L	4E+00	8E+00	Final DWS (CFR, 1991a)
Strontium-90	pCi/L	4E+00	8E+00	Final DWS (CFR, 1991a)
Styrene	µg/L	50	100	Final DWS (CFR, 1991a)
Sulfate	µg/L	200,000	400,000	Proposed DWS (EPA, 1990)
Sulfide	µg/L	5,000	10,000	EPA Method 9030
Sulfotepp	µg/L	50	100	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.00225	0.0045	EPA Method 8280
2,3,7,8-TCDF	µg/L	0.002	0.004	EPA Method 8280
Technetium-99	pCi/L	4.5E+02	9E+02	Final DWS (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 DWS (CFR, 1991a)
2,3,4,6-Tetrachlorophenol	µg/L	50	100	EPA Method 8270
Tetraethyl dithiopyrophosphate	µg/L	50	100	EPA Method 8270
Thallium	µg/L	0.5	1	Proposed DWS (EPA, 1990)
Thionazin	µg/L	50	100	EPA Method 8270
Thorium-228	pCi/L	6.25E+01	1.25E+02	Proposed DWS (EPA, 1991)
Thorium-230	pCi/L	3.96E+01	7.92E+01	Proposed DWS (EPA, 1991)
Thorium-232	pCi/L	4.4E+01	8.8E+01	Proposed DWS (EPA, 1991)
Thorium-234	pCi/L	2E+02	4.01E+02	Proposed DWS (EPA, 1991)
Tin	µg/L	10	20	EPA Method 282.2
Tin-113	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final DWS (CFR, 1991a)
o-Toluidine	µg/L	50	100	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
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	EPA 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
Total radium	pCi/L	2.5E+00	5E+00	Final DWS (CFR, 1991a)

Analyte	Unit	Flag 1	Flag 2	Source
Total silica	µg/L	500	1,000	EPA Method 6010
Total trihalomethanes	µg/L	50	100	Final DWS (CFR, 1991a)
Toxaphene	µg/L	1.5	3	Final DWS (CFR, 1991a)
2,4,5-TP (Silvex)	µg/L	25	50	Final DWS (CFR, 1991a)
Tributyl phosphate	µg/L	50	100	EPA Method 8270
1,2,4-Trichlorobenzene	µg/L	4.5	9	Proposed DWS (EPA, 1990)
1,1,1-Trichloroethane	µg/L	100	200	Final DWS (CFR, 1991a)
1,1,2-Trichloroethane	µg/L	2.5	5	Proposed DWS (EPA, 1990)
Trichloroethylene	µg/L	2.5	5	Final DWS (CFR, 1991a)
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 DWS (CFR, 1991a)
Turbidity		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed DWS (EPA, 1991)
Uranium alpha activity	pCi/L	1.5E+01	3E+01	Proposed DWS (EPA, 1991)
Uranium-233/234[a]	pCi/L	6.9E-00	1.38E+01	Proposed DWS (EPA, 1991)
Uranium-234	pCi/L	6.95E+00	1.39E+01	Proposed DWS (EPA, 1991)
Uranium-235	pCi/L	7.25E+00	1.45E+01	Proposed DWS (EPA, 1991)
Uranium-238	pCi/L	7.3E+00	1.46E+01	Proposed DWS (EPA, 1991)
Vanadium	µg/L	50	100	EPA Method 6010
Vinyl acetate	µg/L	5	10	EPA Method 8240
Xylenes	µg/L	5,000	10,000	Final DWS (CFR, 1991a)
Zinc	µg/L	2,500	5,000	Secondary DWS (CFR, 1991b)
Zinc-65	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Zirconium-95	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Zirconium/Niobium-95[a]	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)

[a] For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

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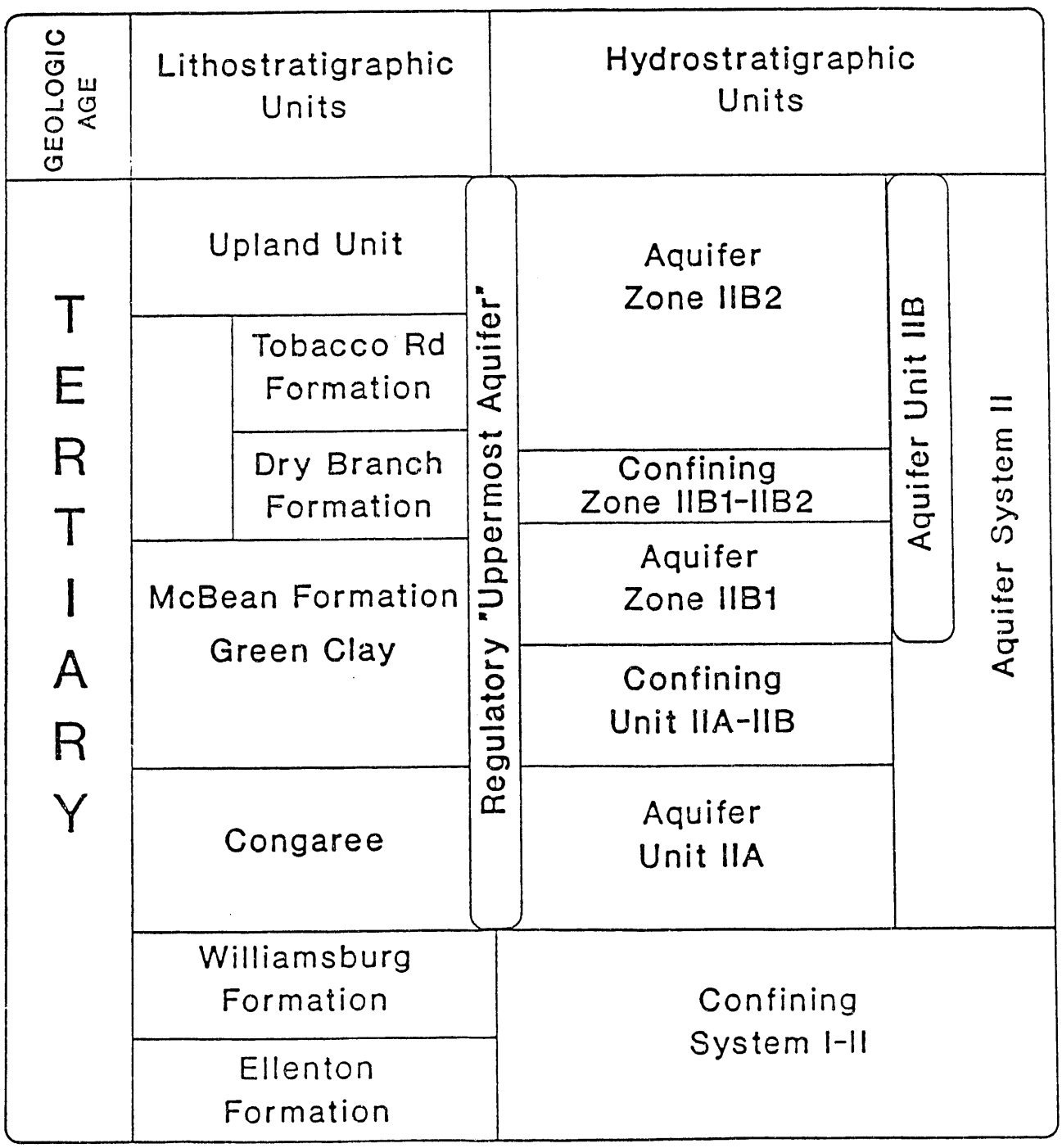
Appendix C – Figures



Source: WSRC, 1990a, 1990b.

Figure 1. Site Specific Hydrostratigraphic Nomenclature

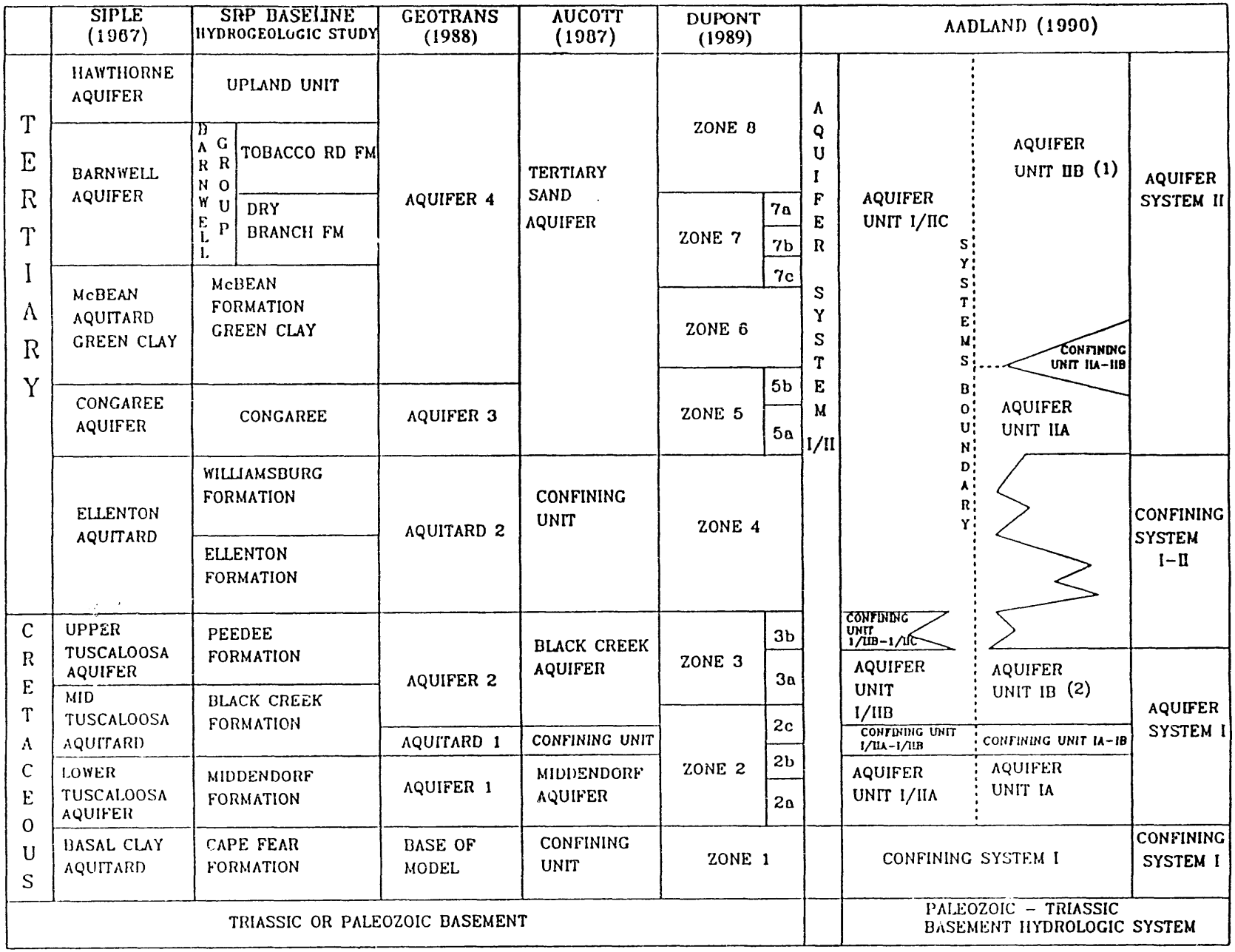


Figure 2. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclatures

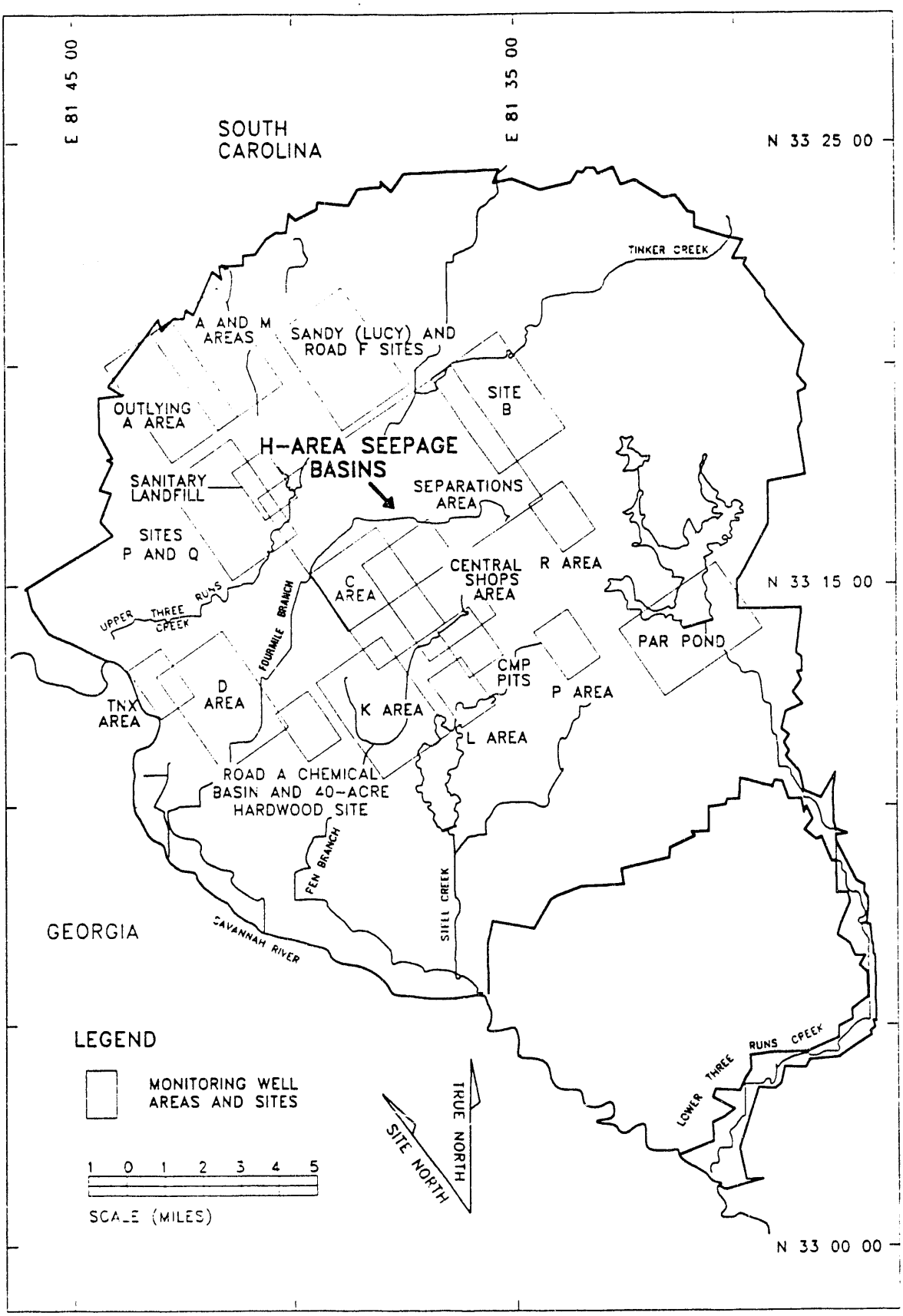


Figure 3. Location of the H-Area Seepage Basins at the Savannah River Site

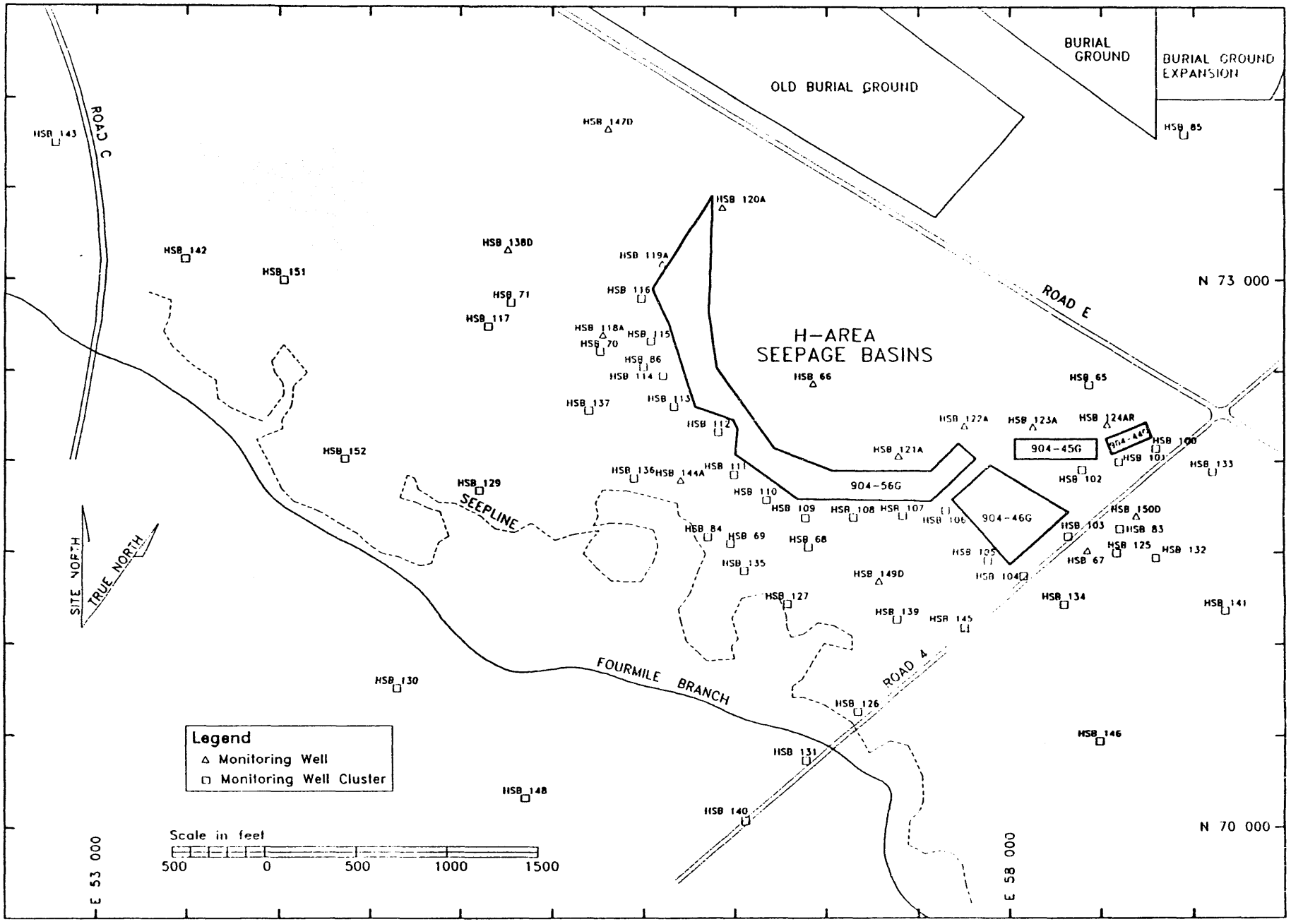


Figure 4. Location of Groundwater Monitoring Wells and Well Clusters at the H-Area Seepage Basins

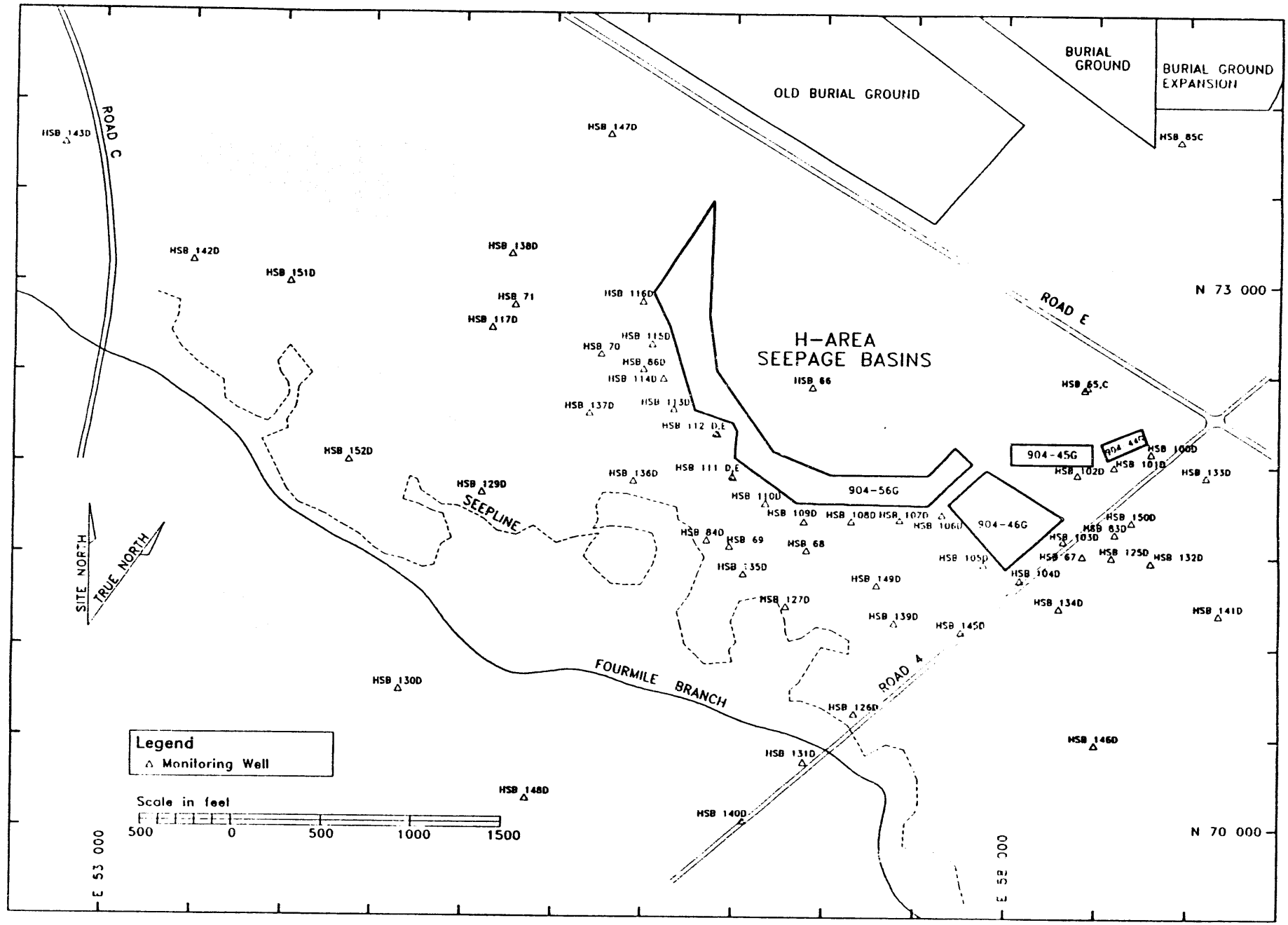


Figure 5. Location of Aquifer Zone IIB_2 (Water Table) Groundwater Monitoring Wells at the H-Area Seepage Basins

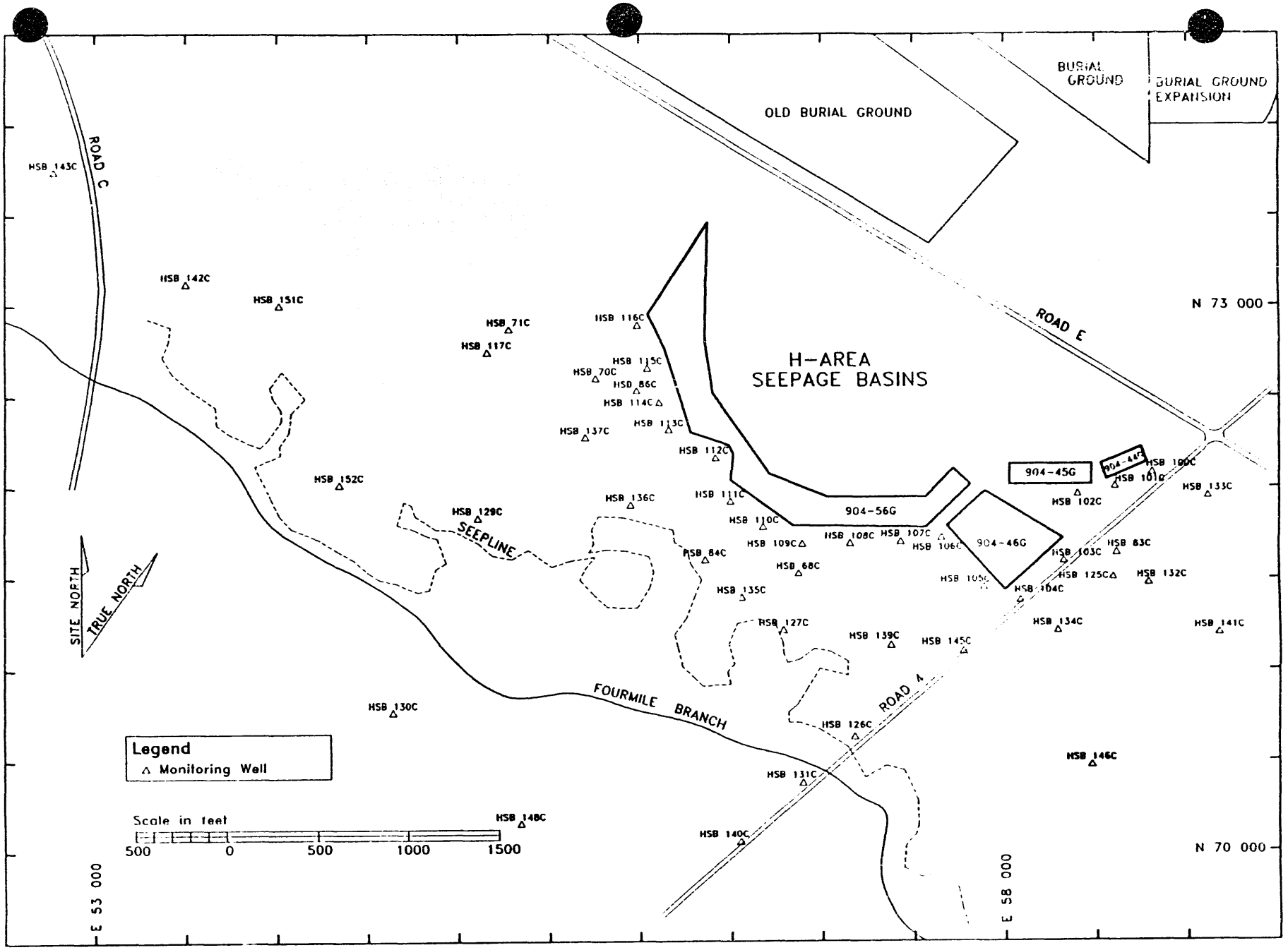


Figure 6. Location of Upper Portion Aquifer Zone IIB_1 (Barnwell/McBean) Groundwater Monitoring Wells at the H-Area Seepage Basins

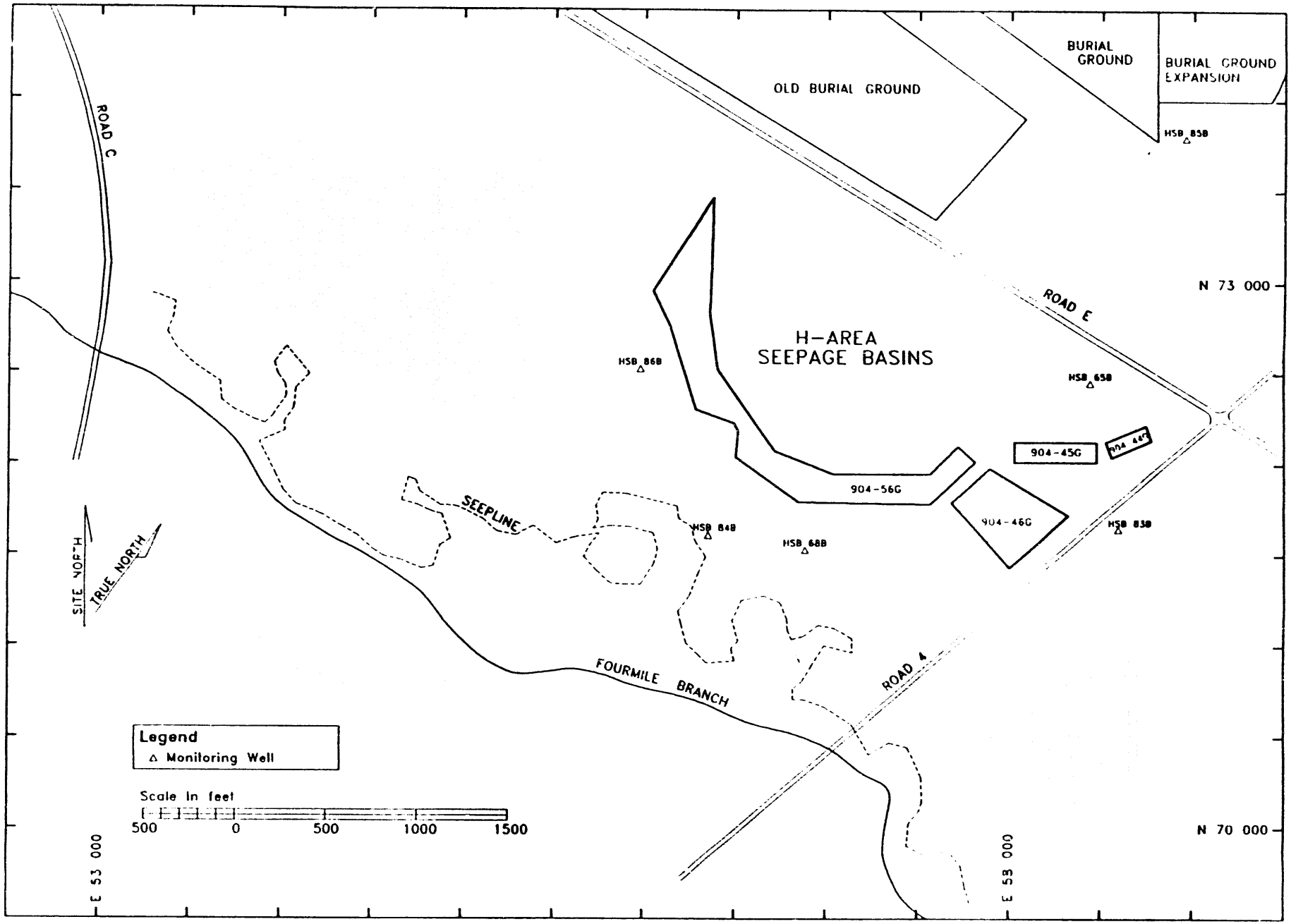


Figure 7. Location of Lower Portion Aquifer Zone IIB_1 (Barnwell/McBean) Groundwater Monitoring Wells at the H-Area Seepage Basins

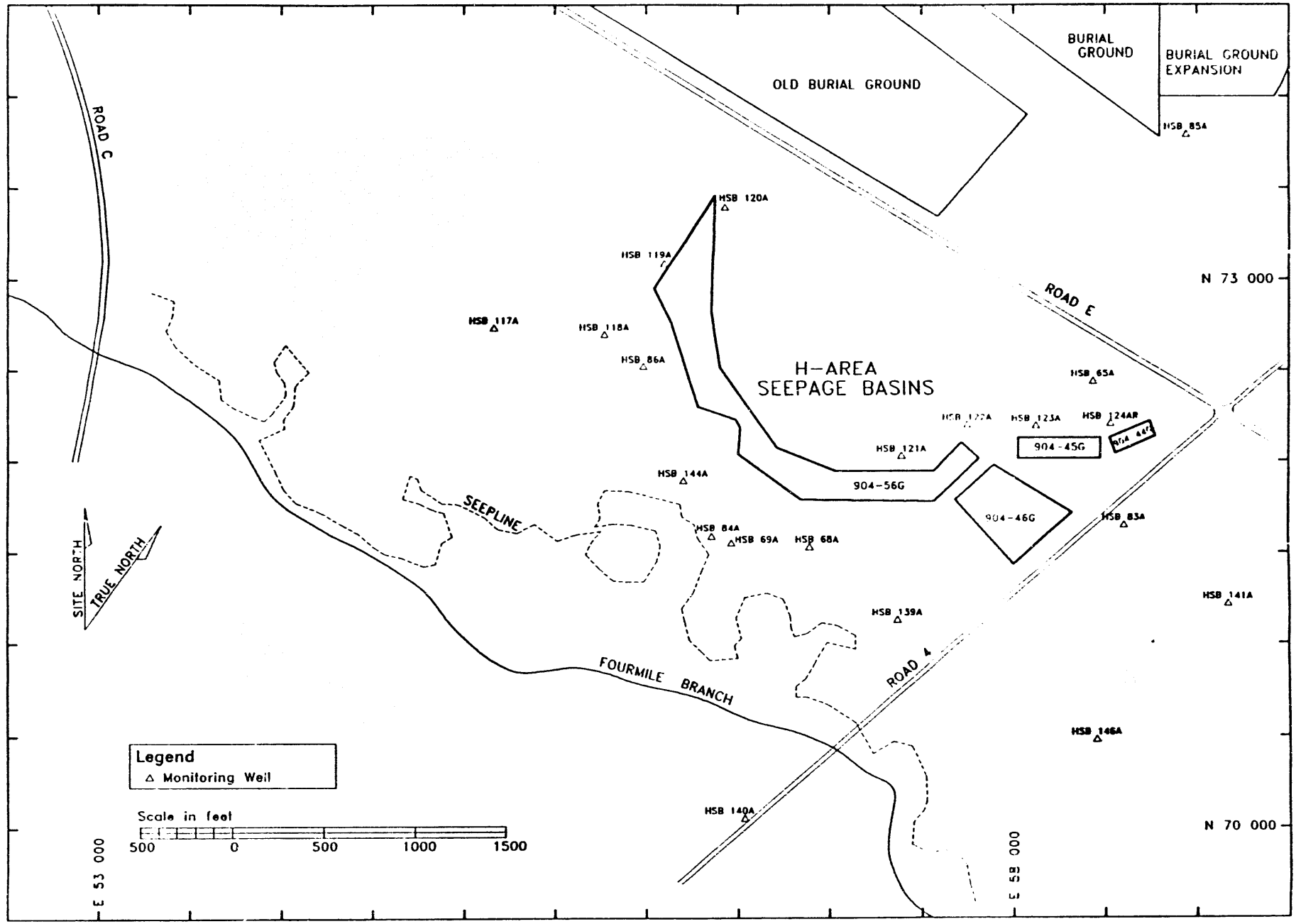


Figure 8. Location of Aquifer Unit IIA (Congaree) Groundwater Monitoring Wells at the H-Area Seepage Basins

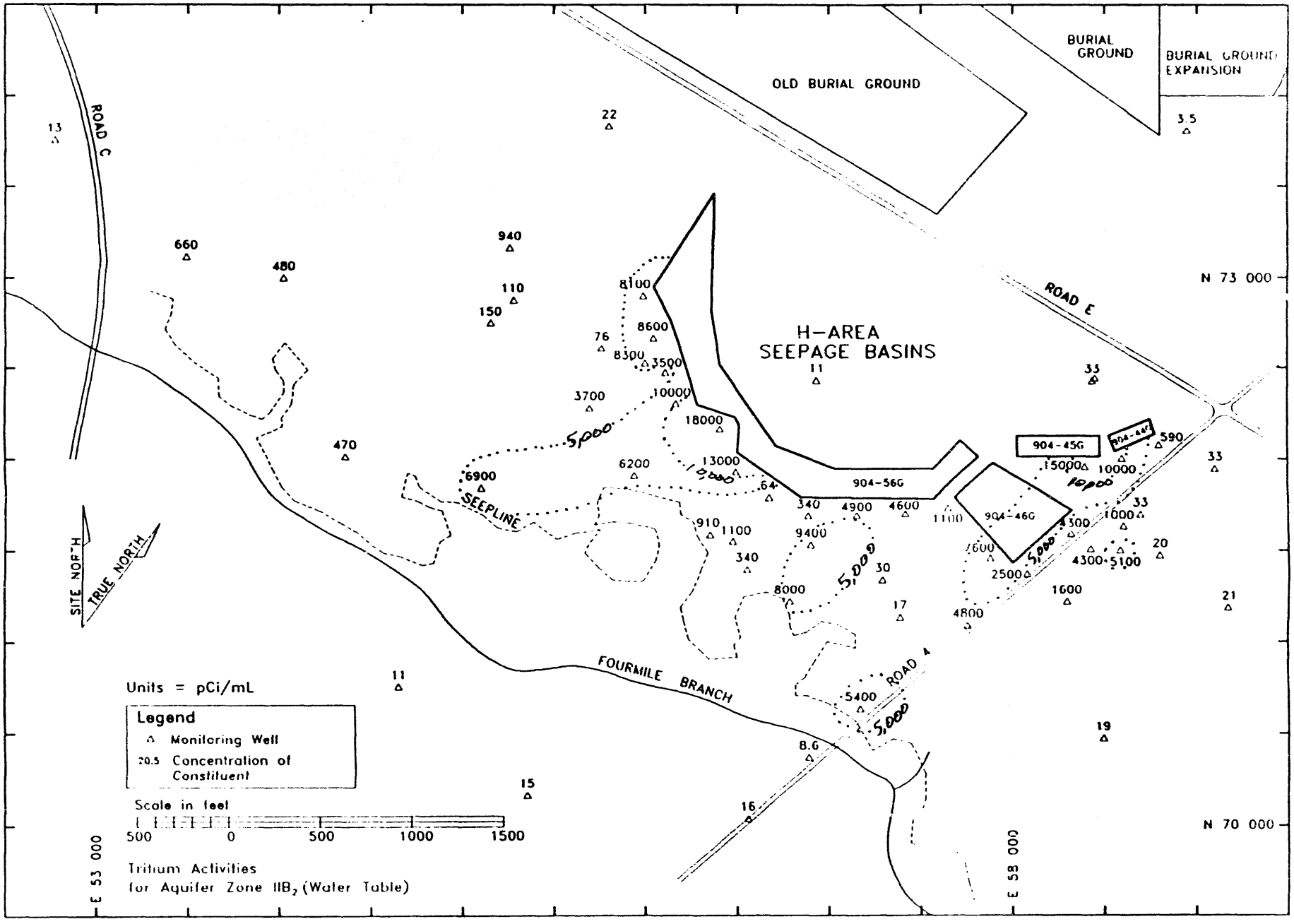


Figure 9. Tritium Activities in Aquifer Zone IIB_2 (Water Table) at the H-Area Seepage Basins, Second Quarter 1992

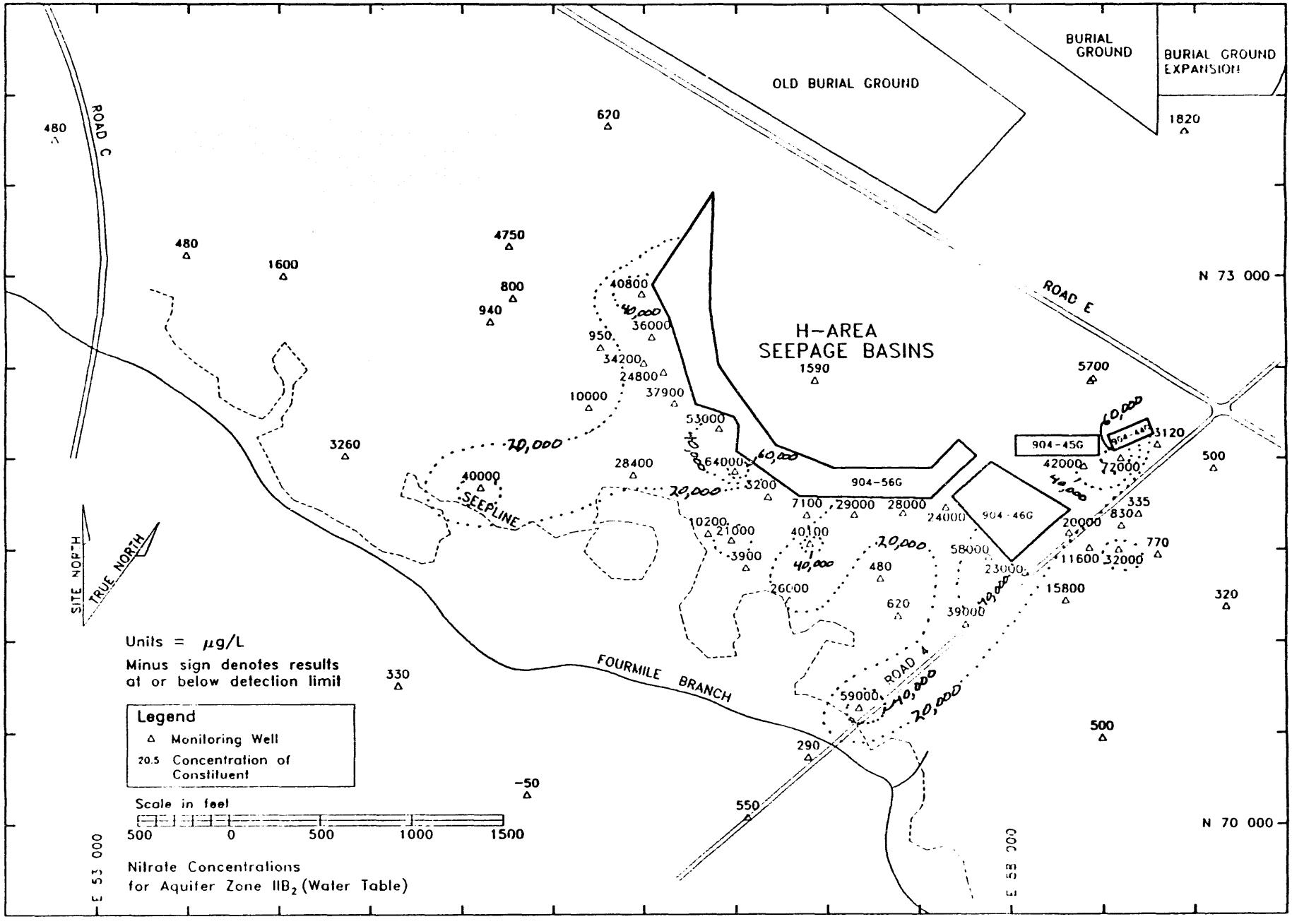


Figure 10. Nitrate Concentrations in Aquifer Zone IIB_2 (Water Table) at the H-Area Seepage Basins, Second Quarter 1992

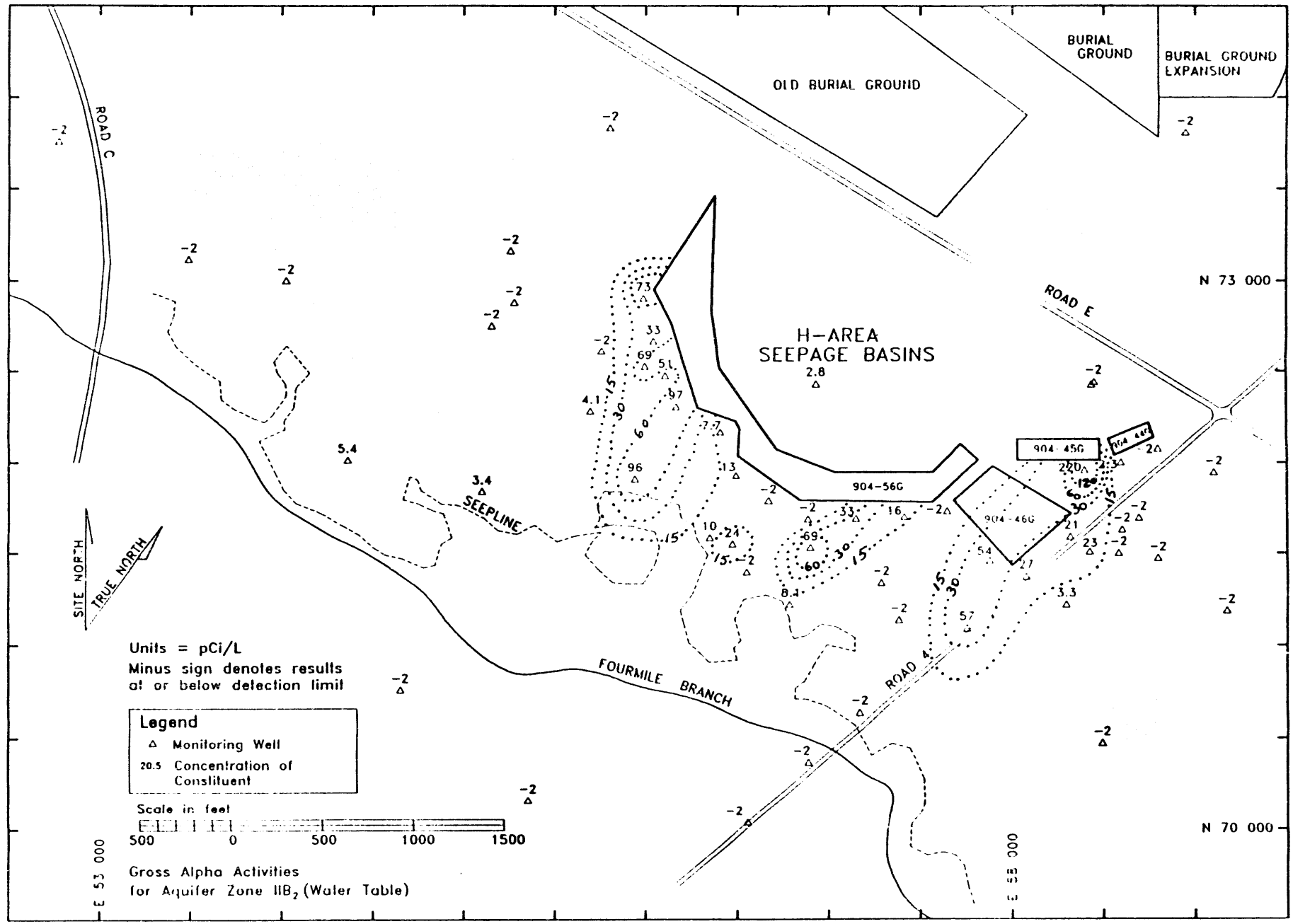


Figure 11. Gross Alpha Activities in Aquifer Zone IIB_2 (Water Table) at the H-Area Seepage Basins, Second Quarter 1992

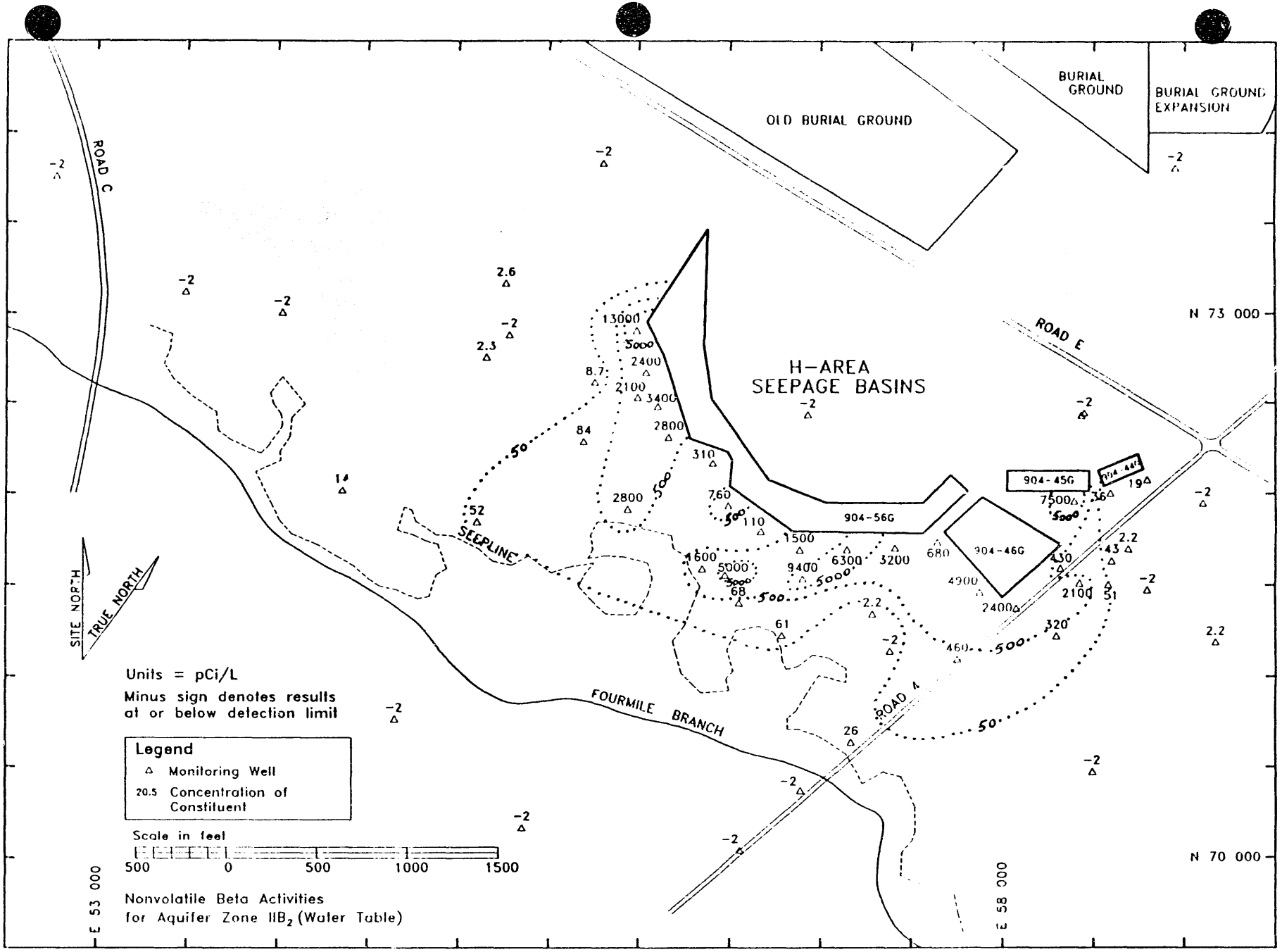


Figure 12. Nonvolatile Beta Activities in Aquifer Zone IIB_2 (Water Table) at the H-Area Seepage Basins, Second Quarter 1992

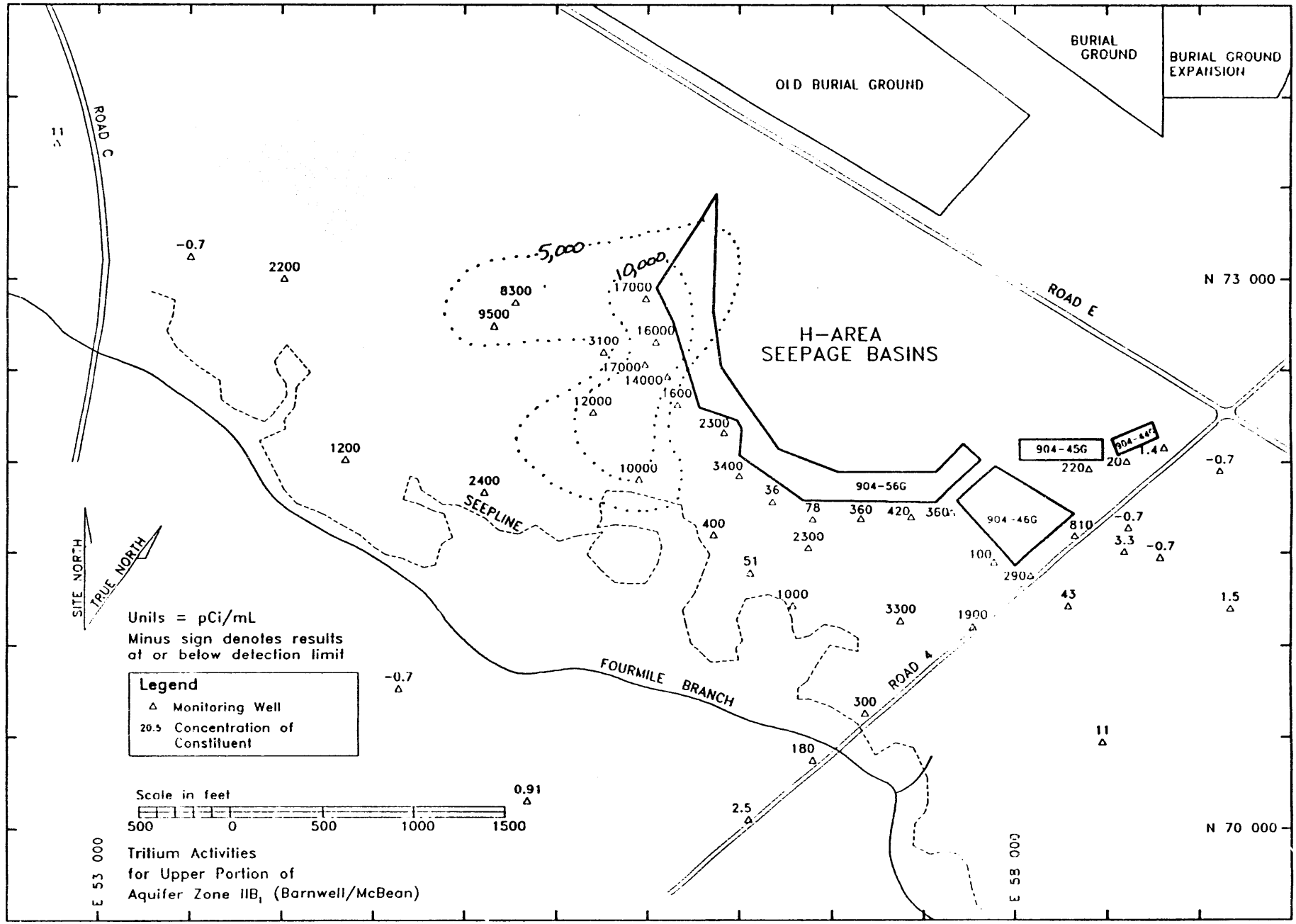


Figure 13. Tritium Activities in Upper Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

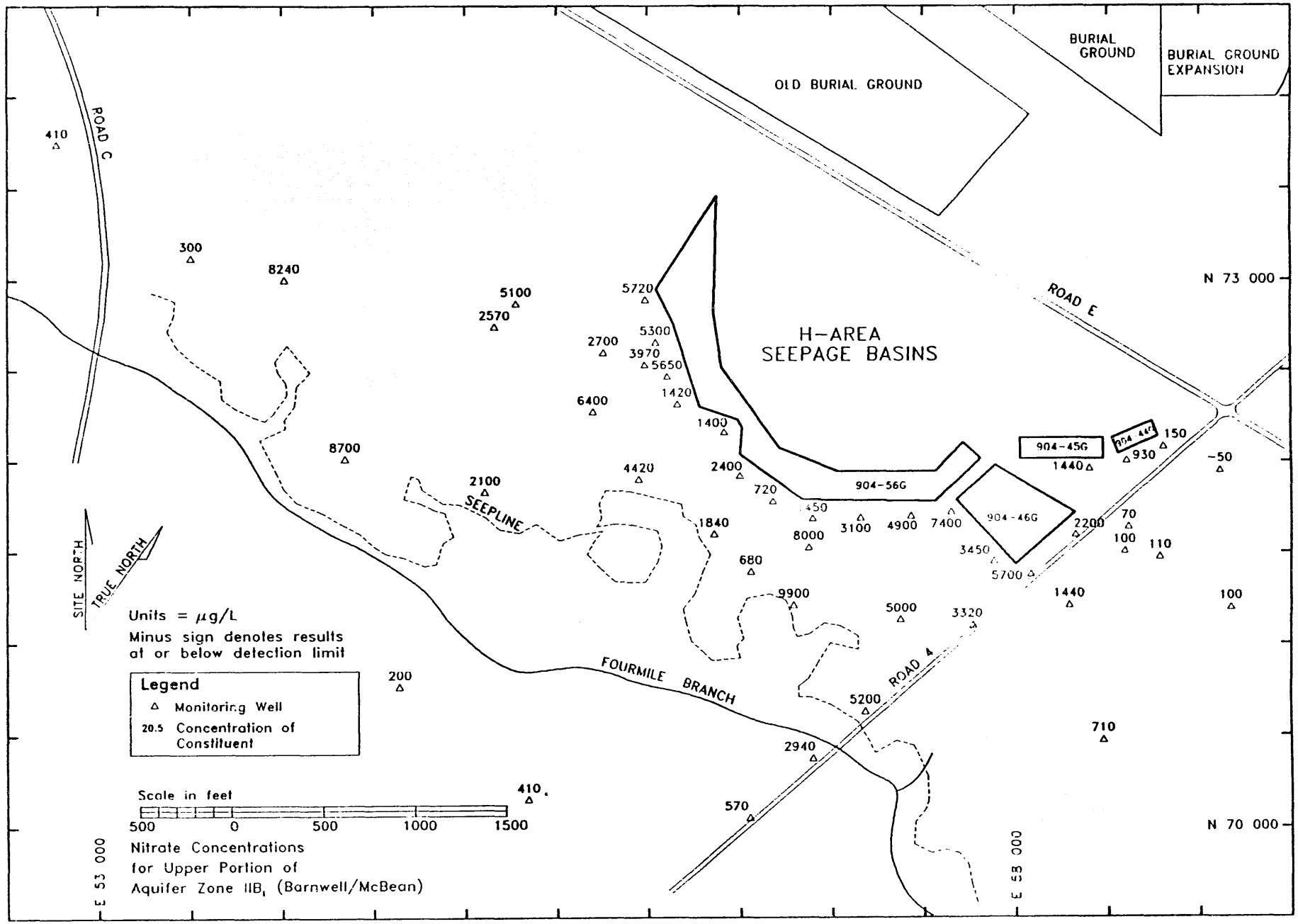


Figure 14. Nitrate Concentrations in Upper Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

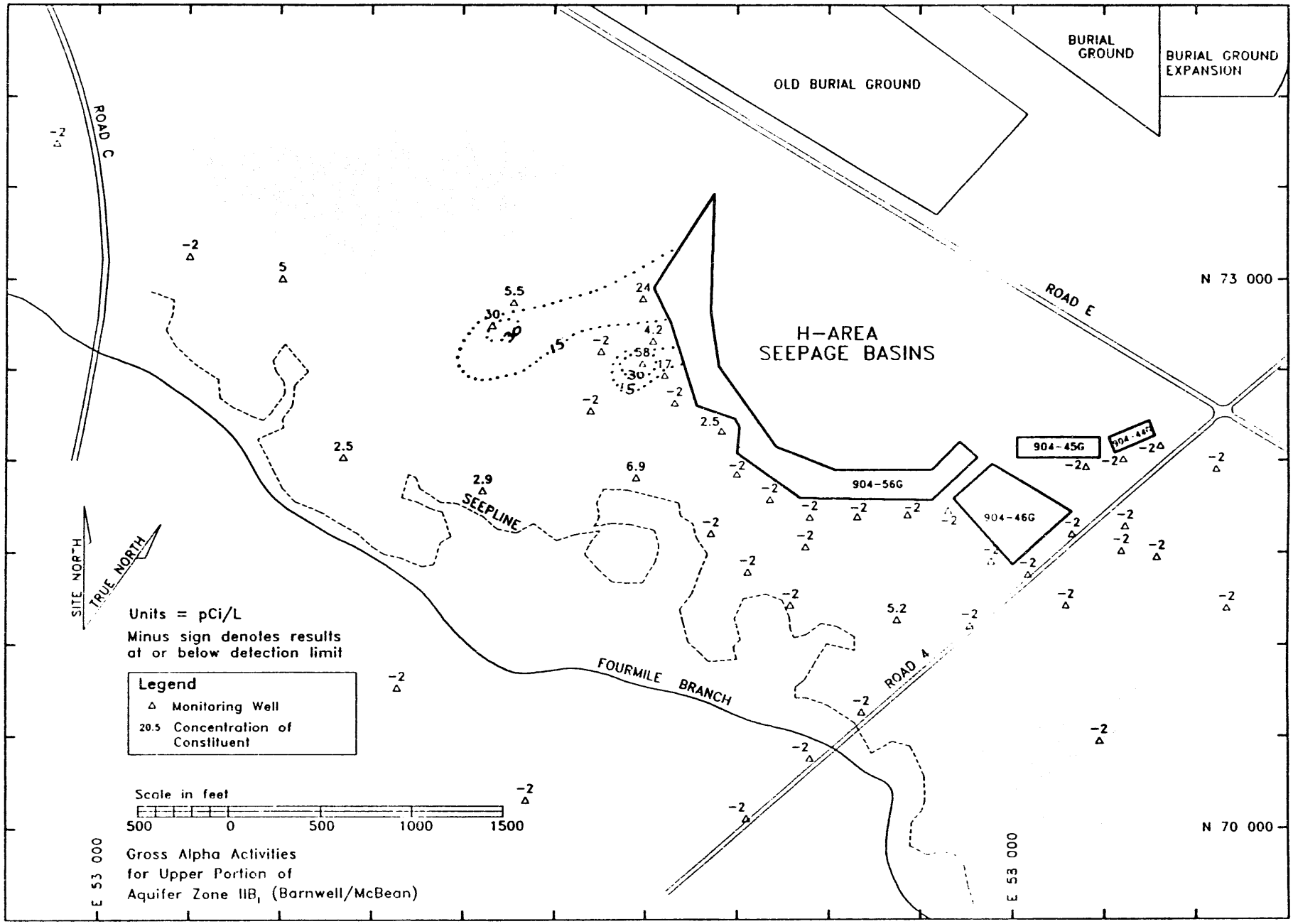


Figure 15. Gross Alpha Activities in Upper Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

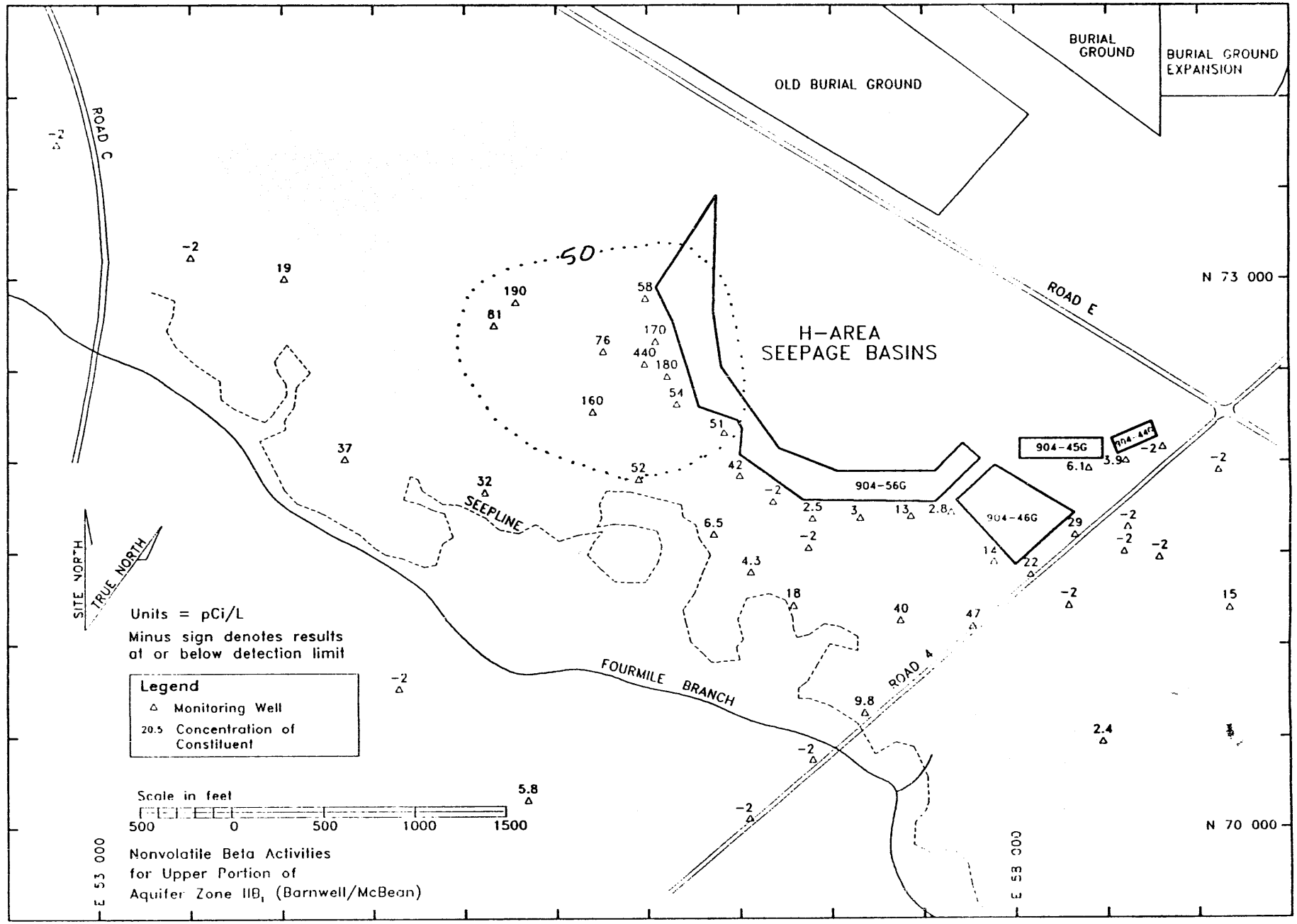


Figure 16. Nonvolatile Beta Activities in Upper Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

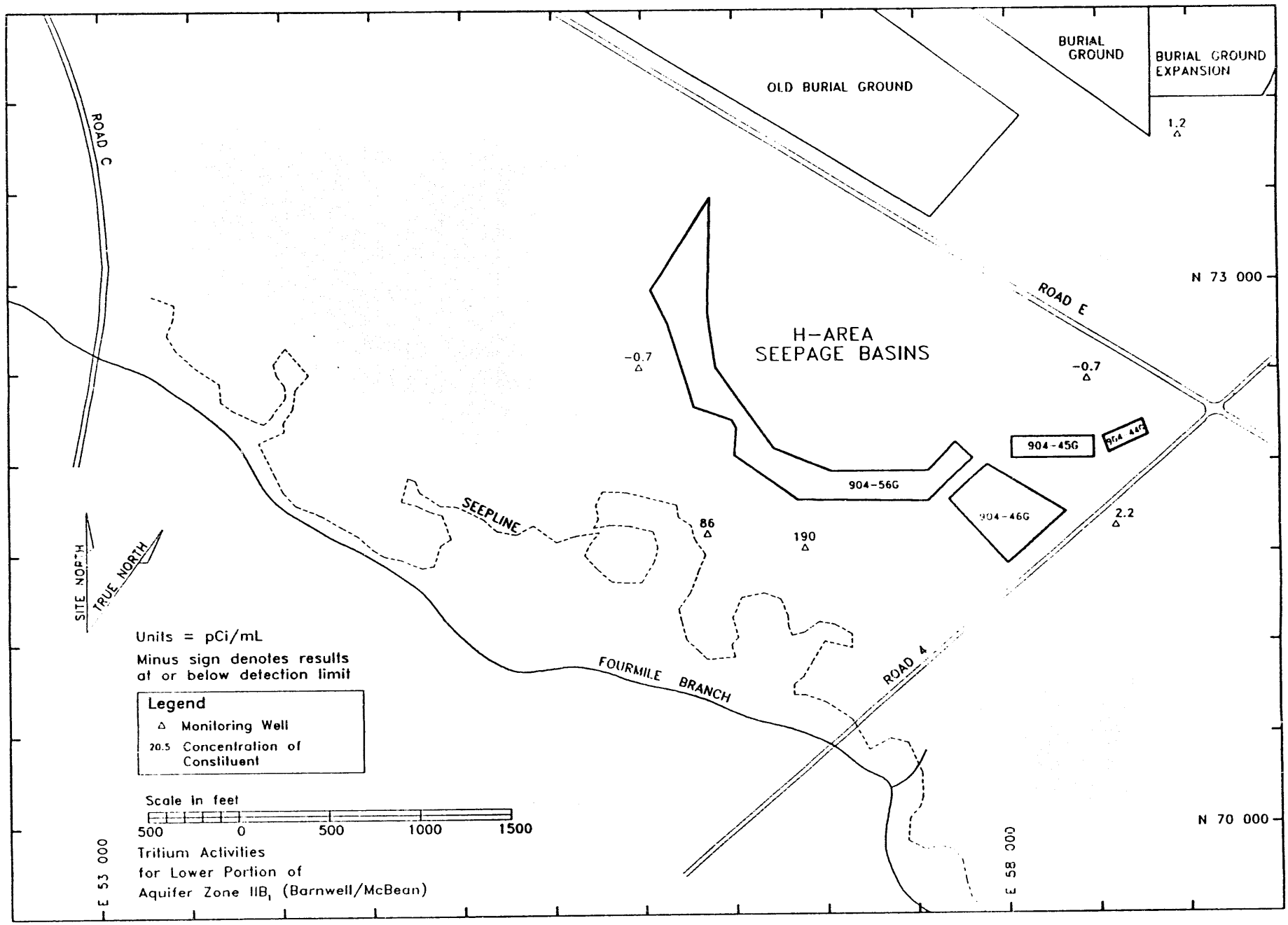


Figure 17. Tritium Activities in Lower Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

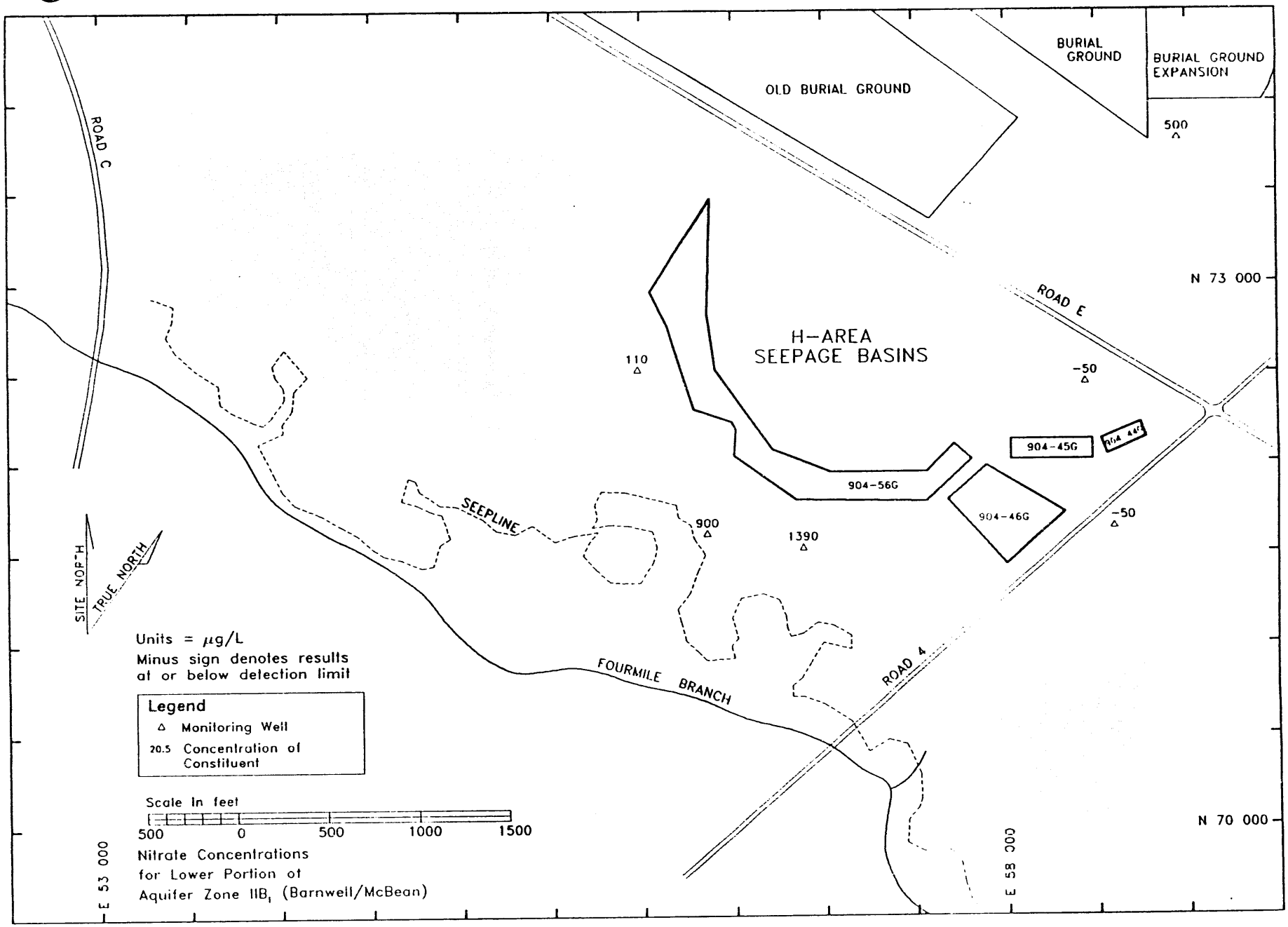


Figure 18. Nitrate Concentrations in Lower Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

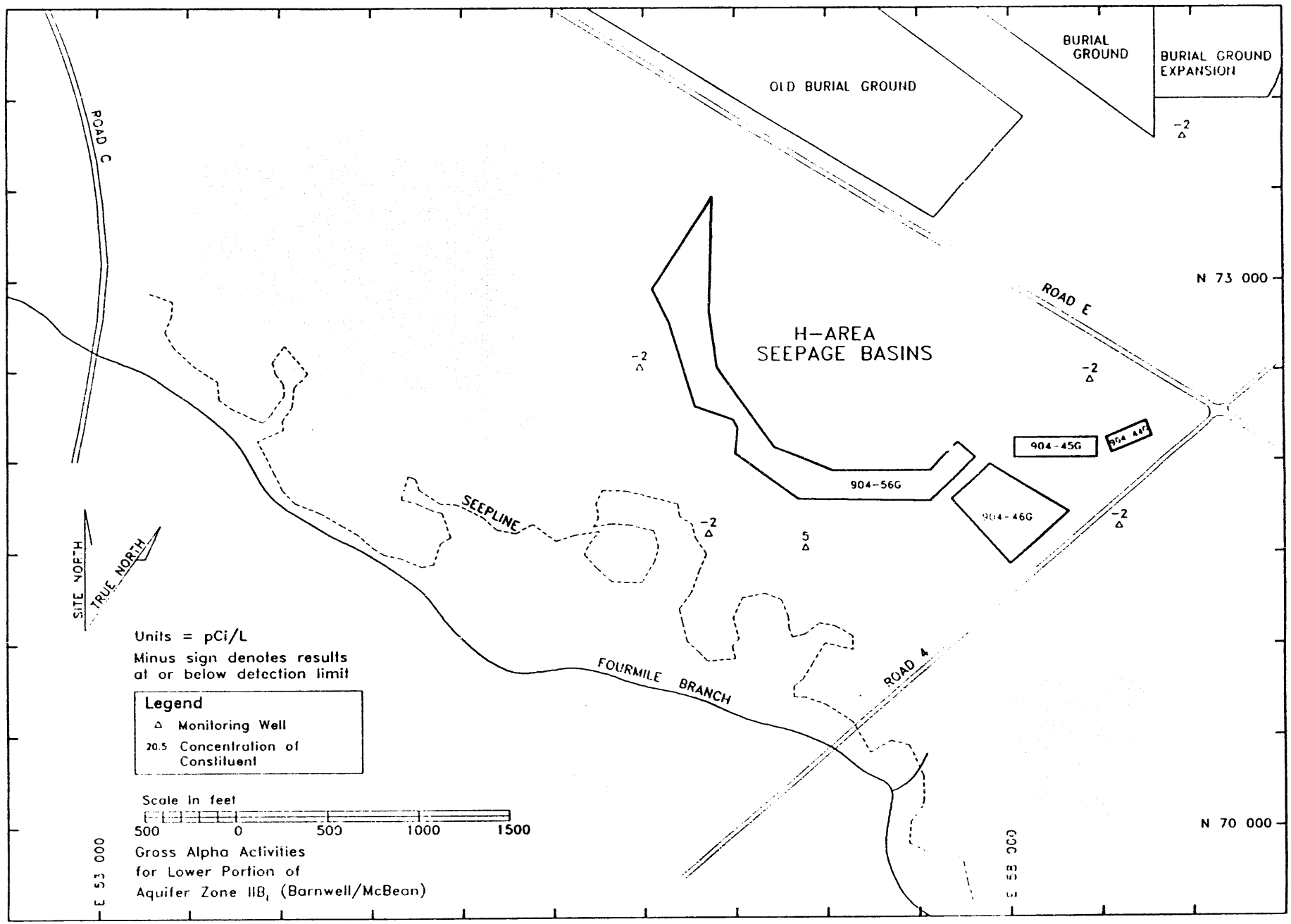


Figure 19. Gross Alpha Activities in Lower Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

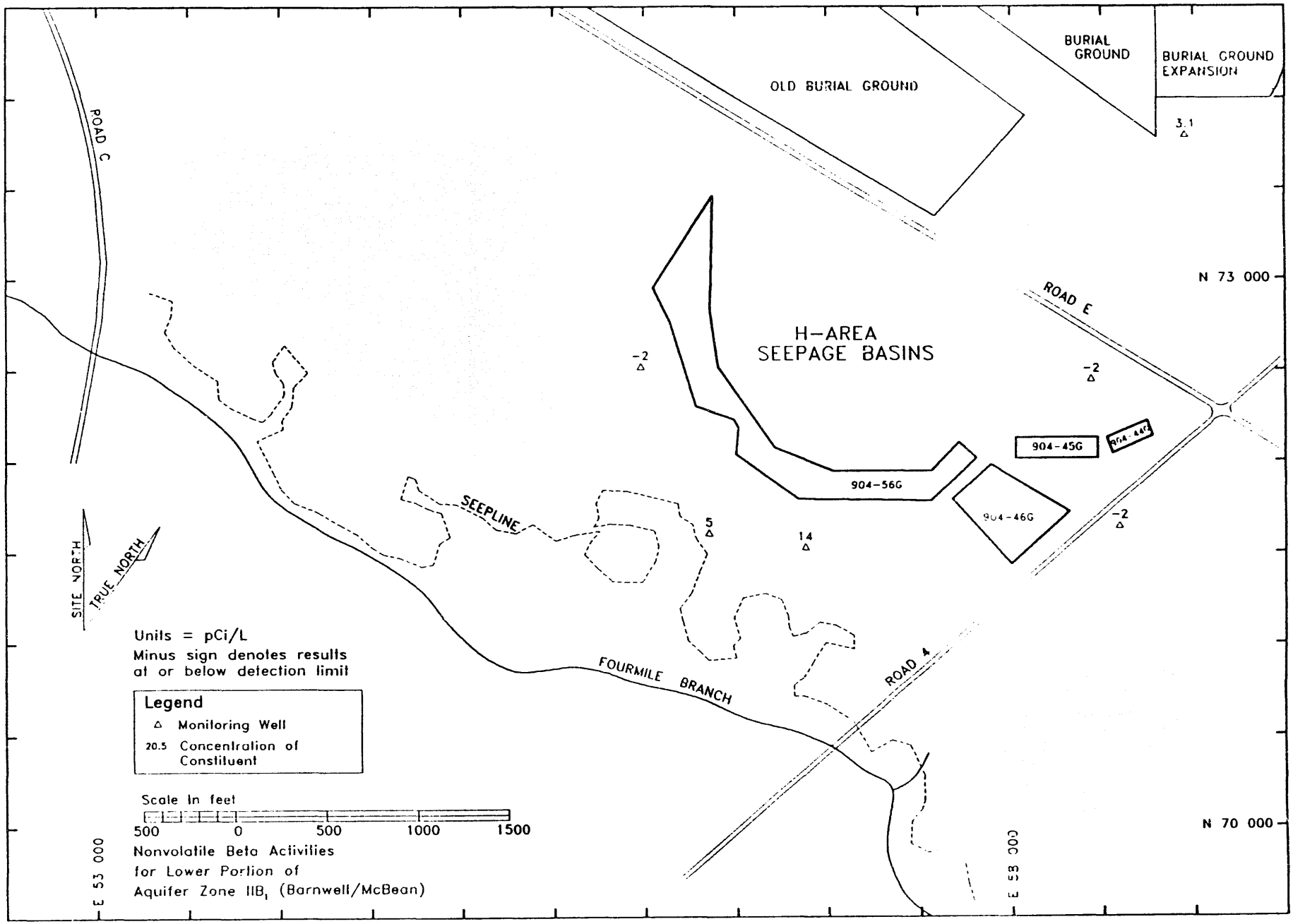


Figure 20. Nonvolatile Beta Activities in Lower Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

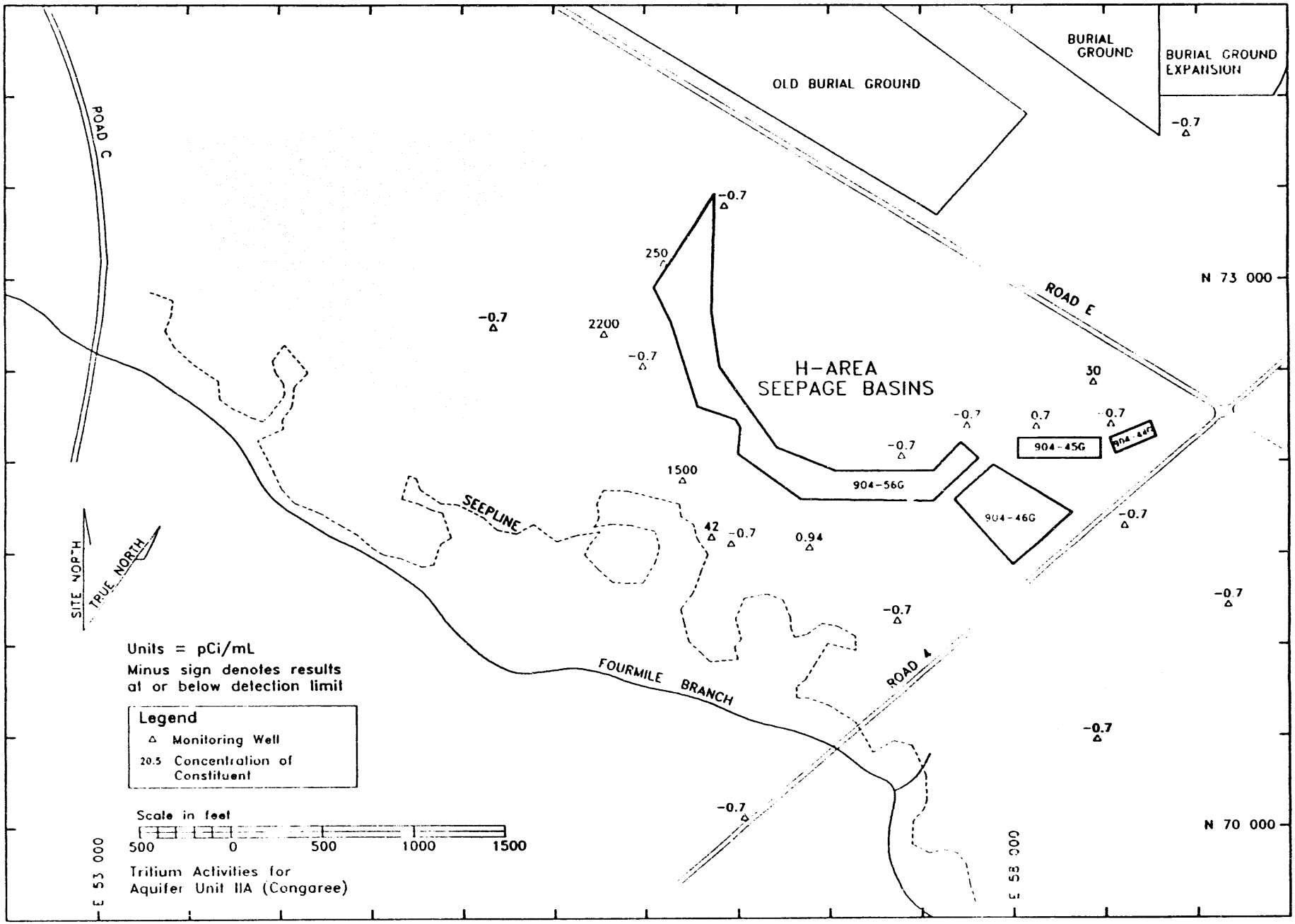


Figure 21. Tritium Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Second Quarter 1992

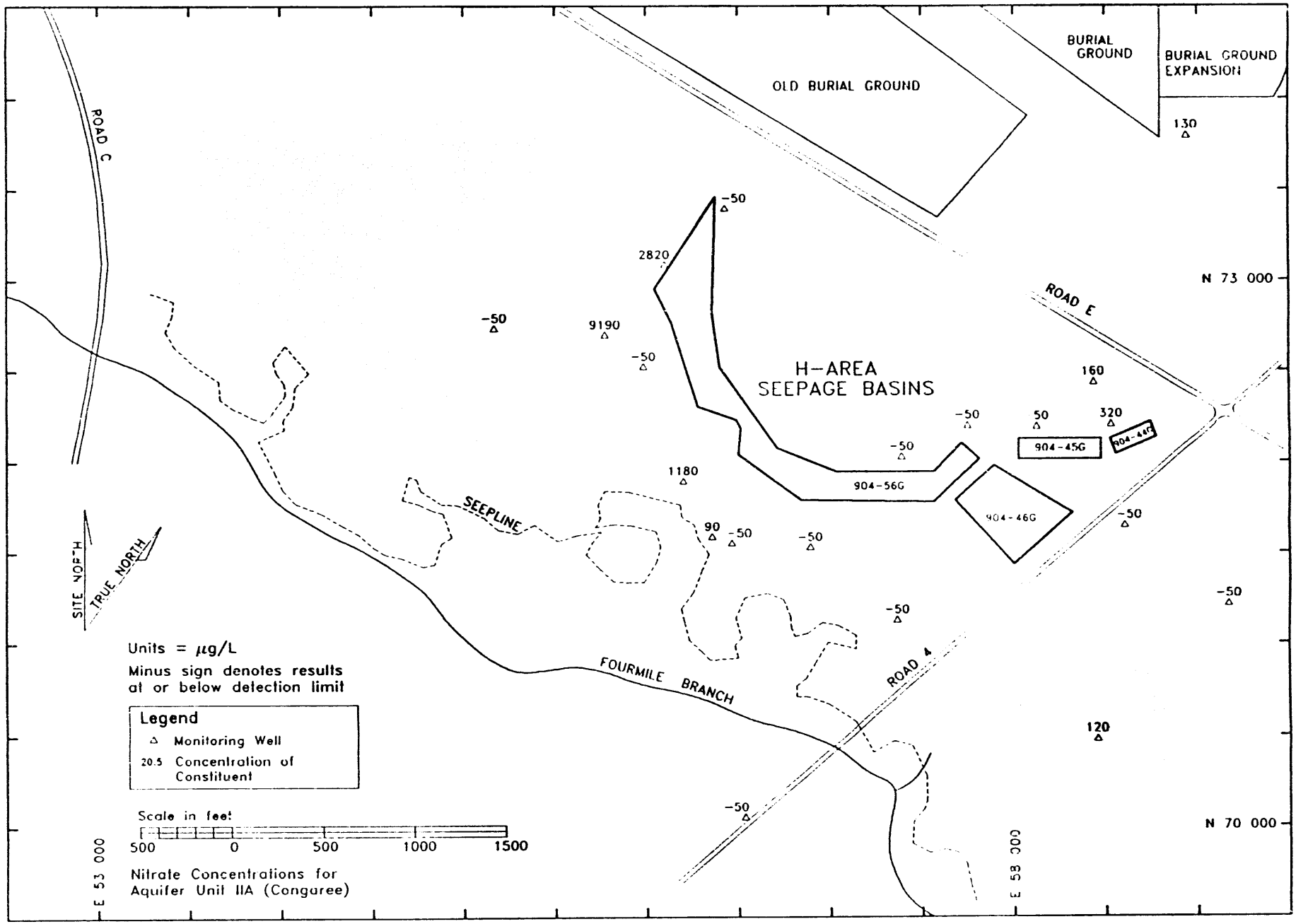


Figure 22. Nitrate Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Second Quarter 1992

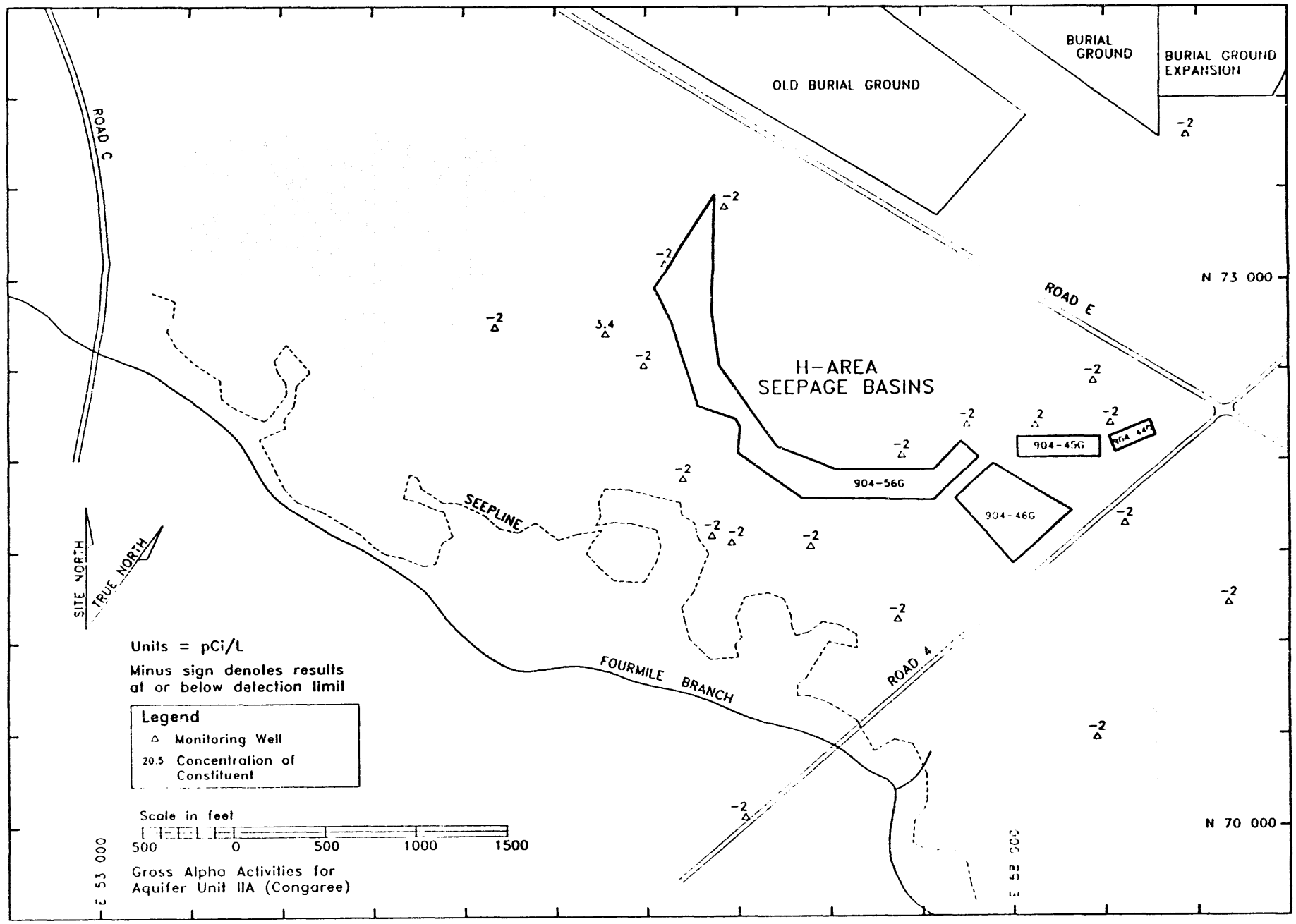


Figure 23. Gross Alpha Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Second Quarter 1992

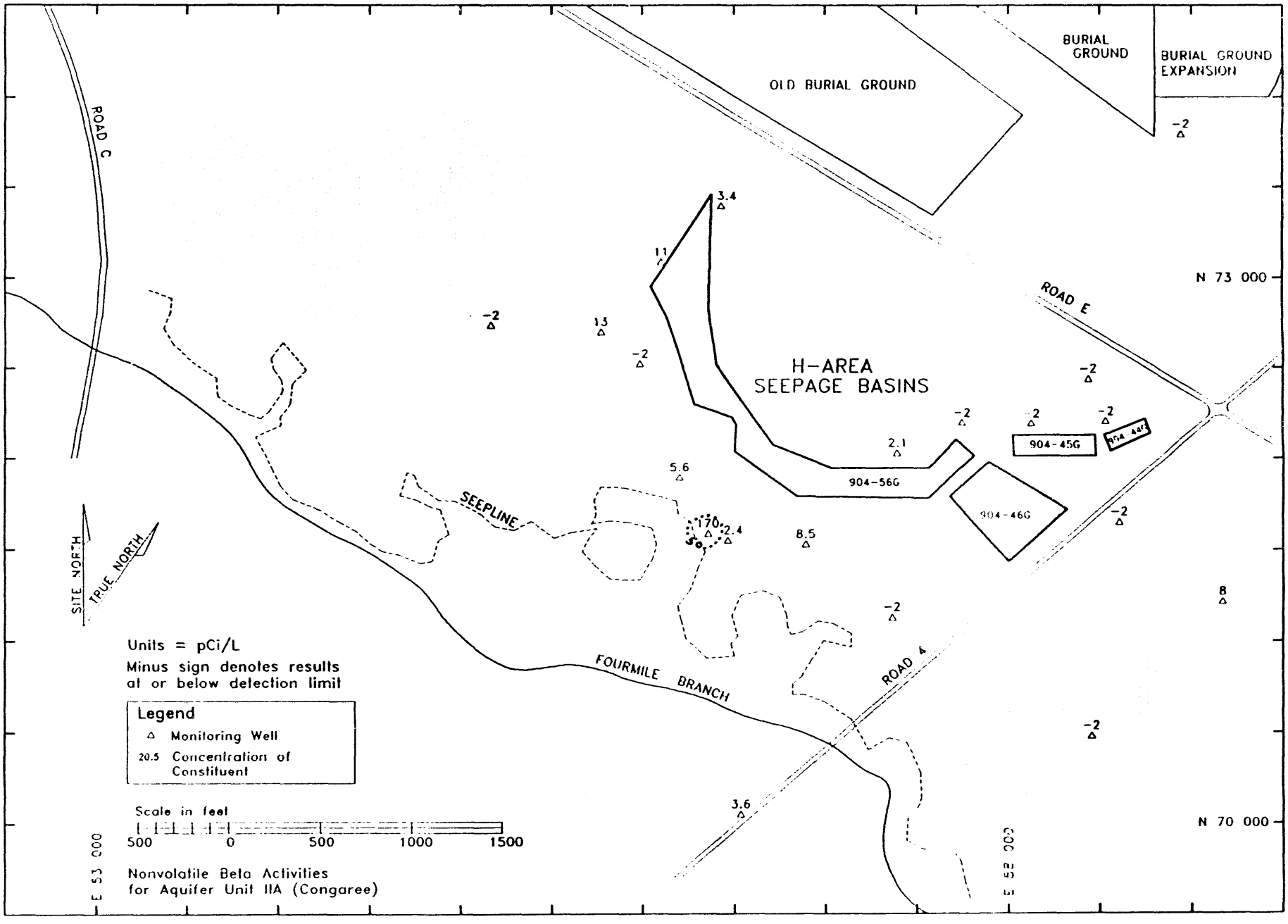


Figure 24. Nonvolatile Beta Activities in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Second Quarter 1992

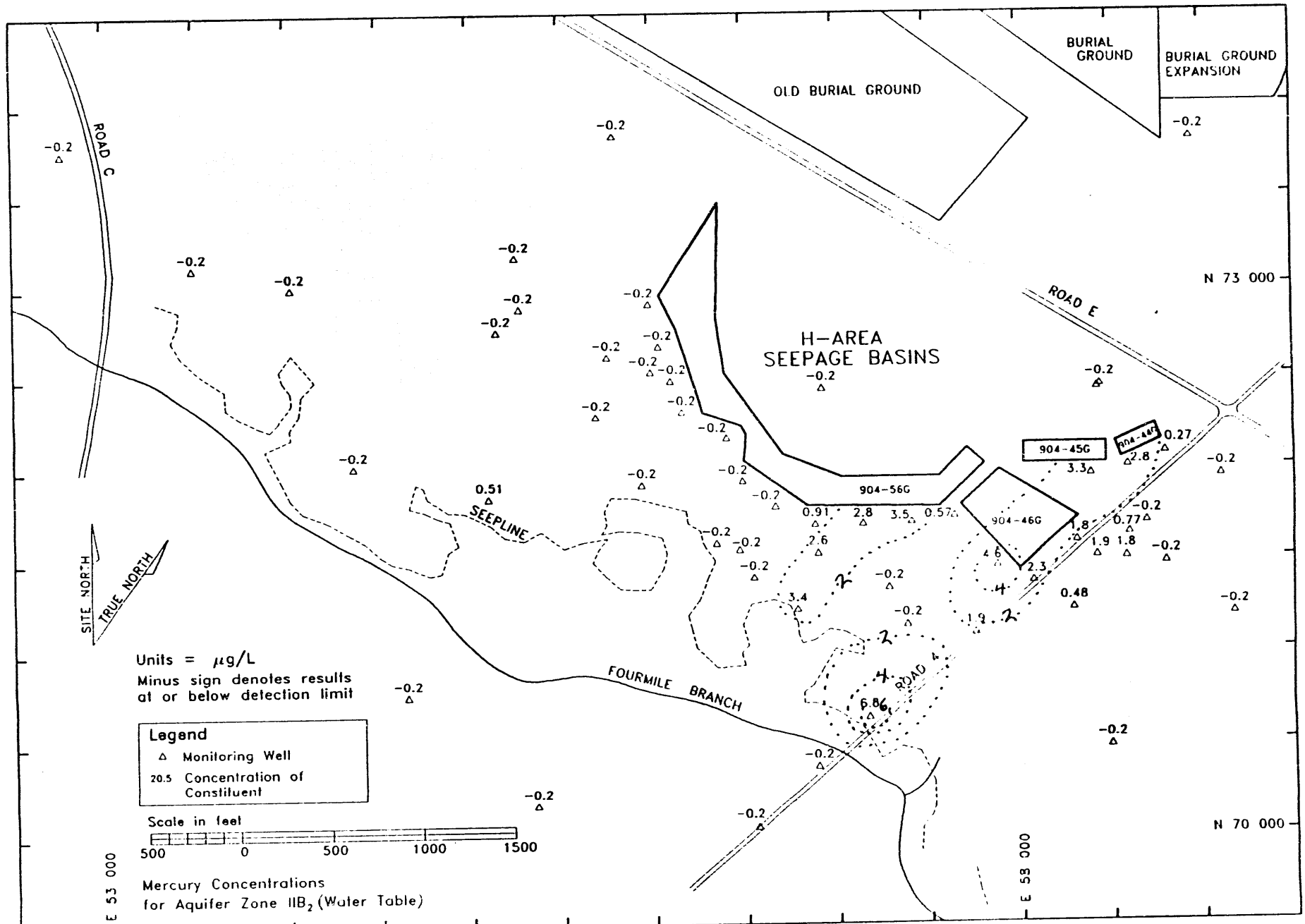


Figure 25. Mercury Concentrations in Aquifer Zone IIB_2 (Water Table) at the H-Area Seepage Basins, Second Quarter 1992

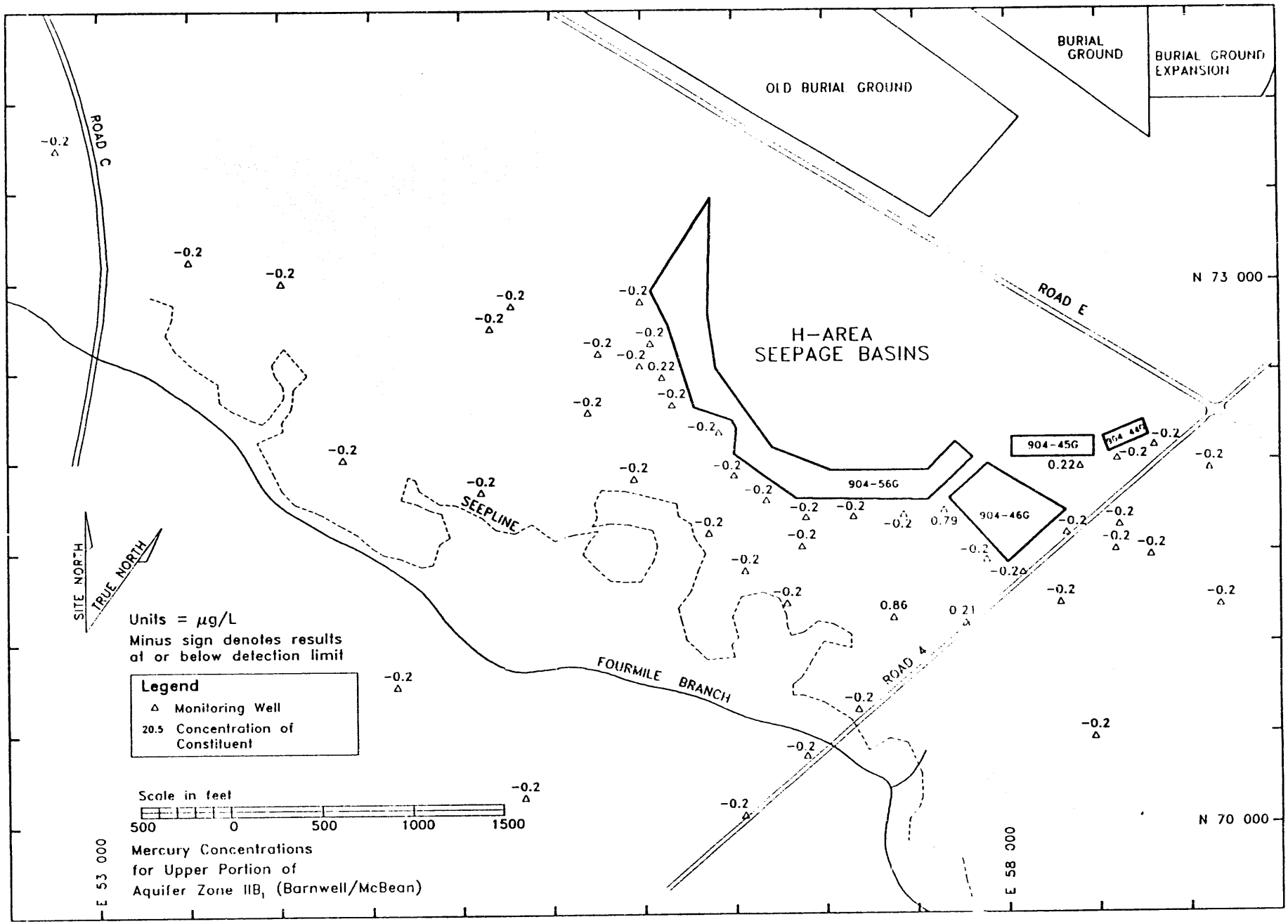


Figure 26. Mercury Concentrations in Upper Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

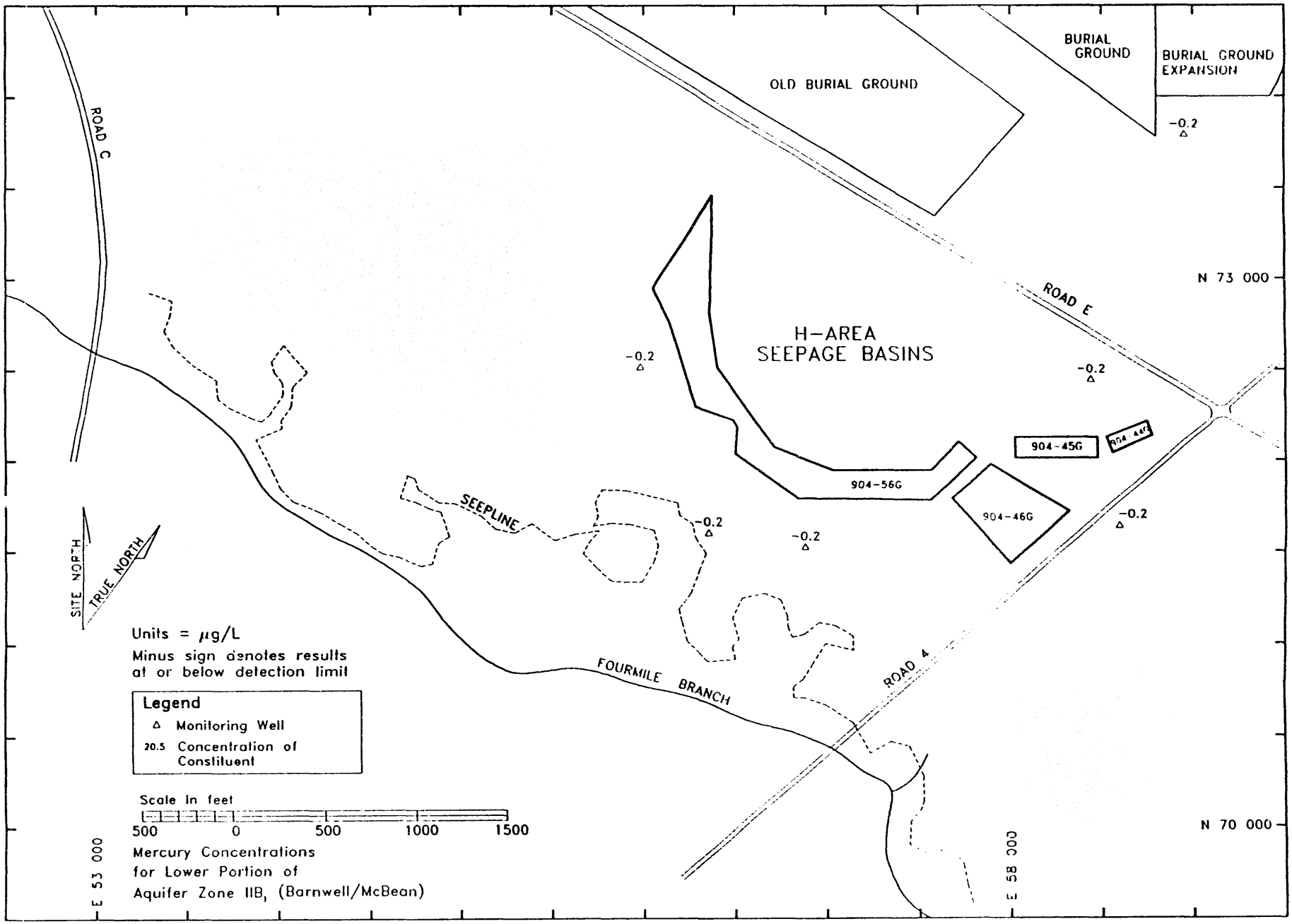


Figure 27. Mercury Concentrations in Lower Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

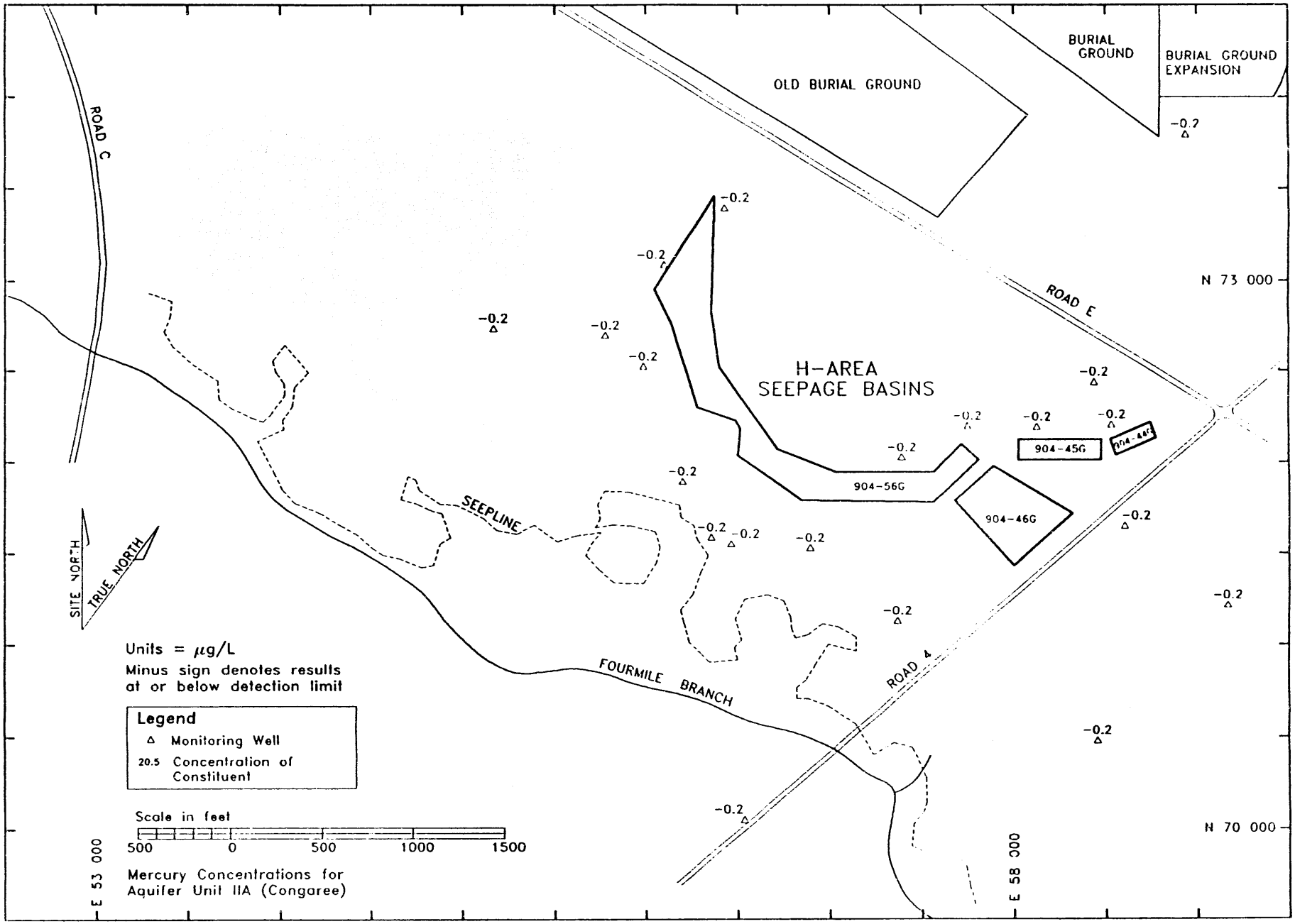


Figure 28. Mercury Concentrations in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Second Quarter 1992

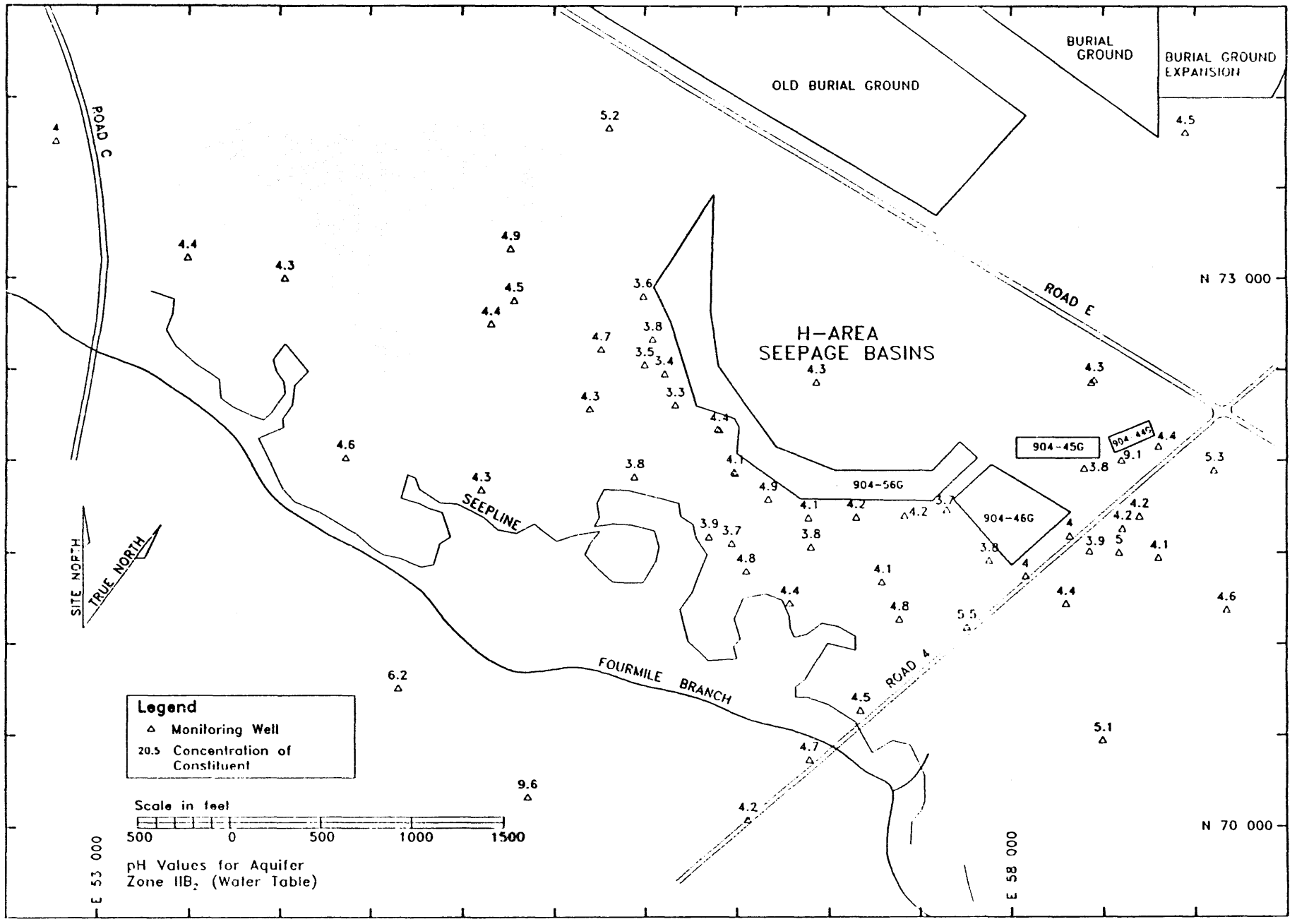


Figure 29. pH Values in Aquifer Zone IIB_2 (Water Table) at the H-Area Seepage Basins, Second Quarter 1992

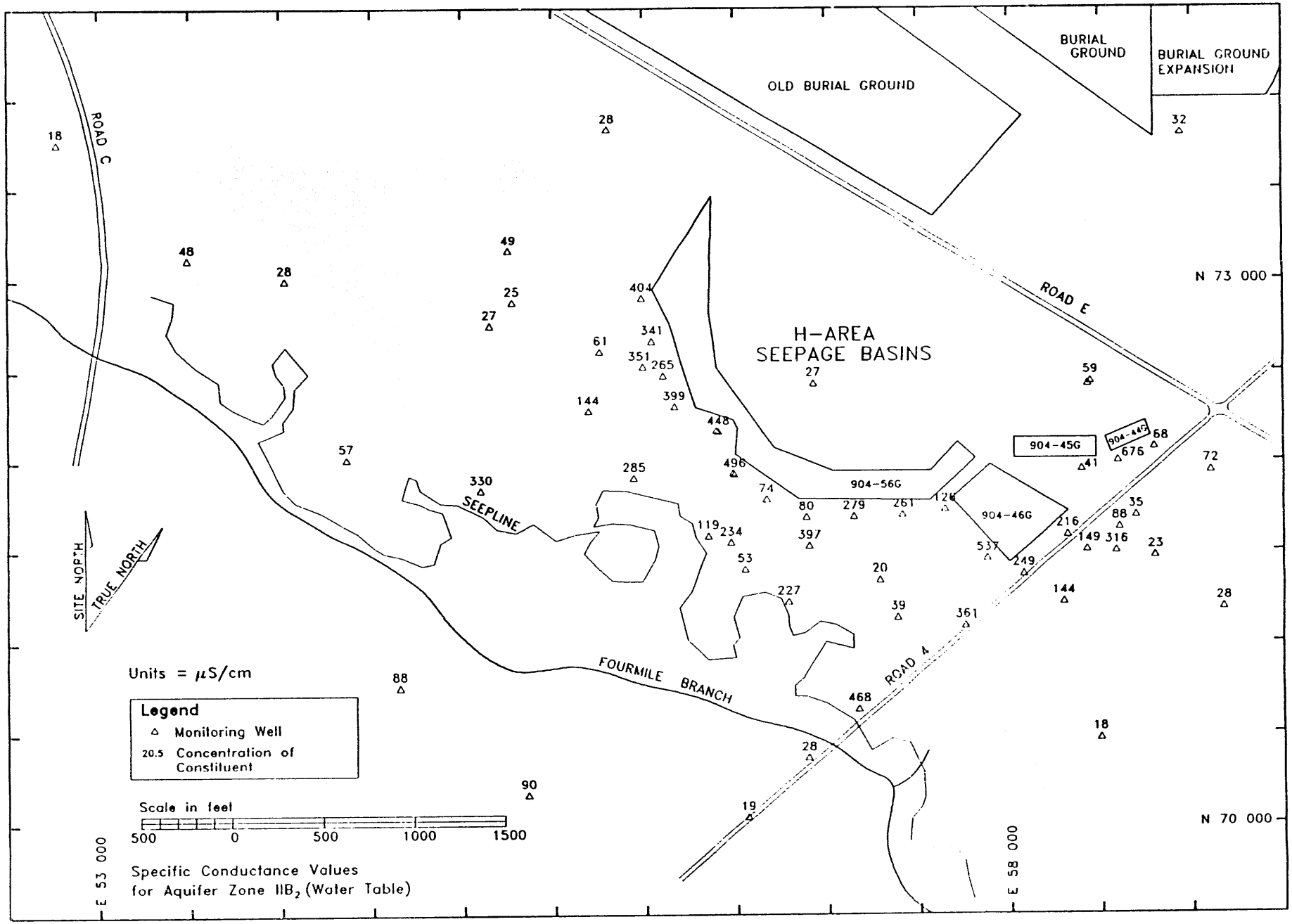


Figure 30. Specific Conductance in Aquifer Zone IIB_2 (Water Table) at the H-Area Seepage Basins, Second Quarter 1992

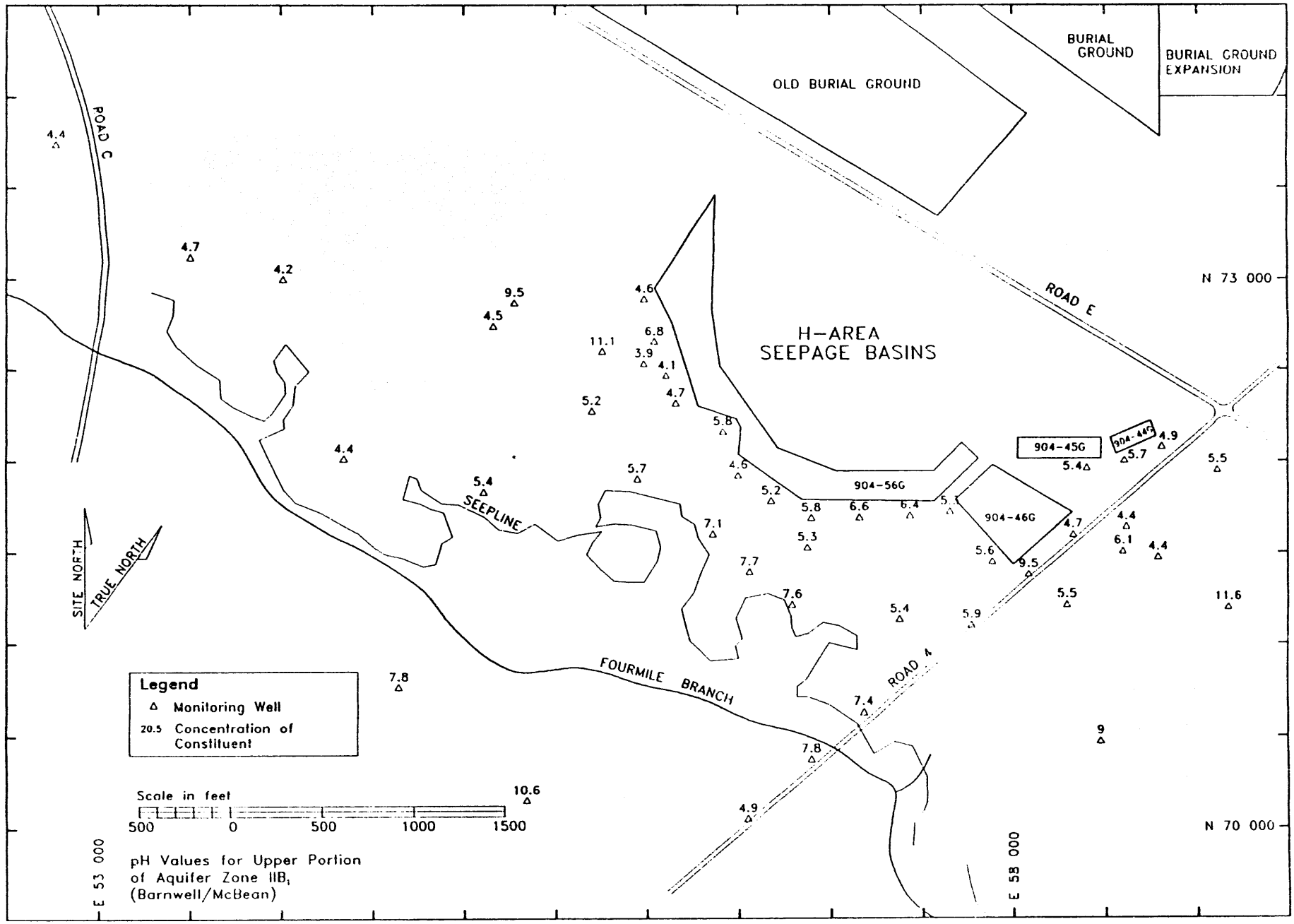


Figure 31. pH Values in Upper Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

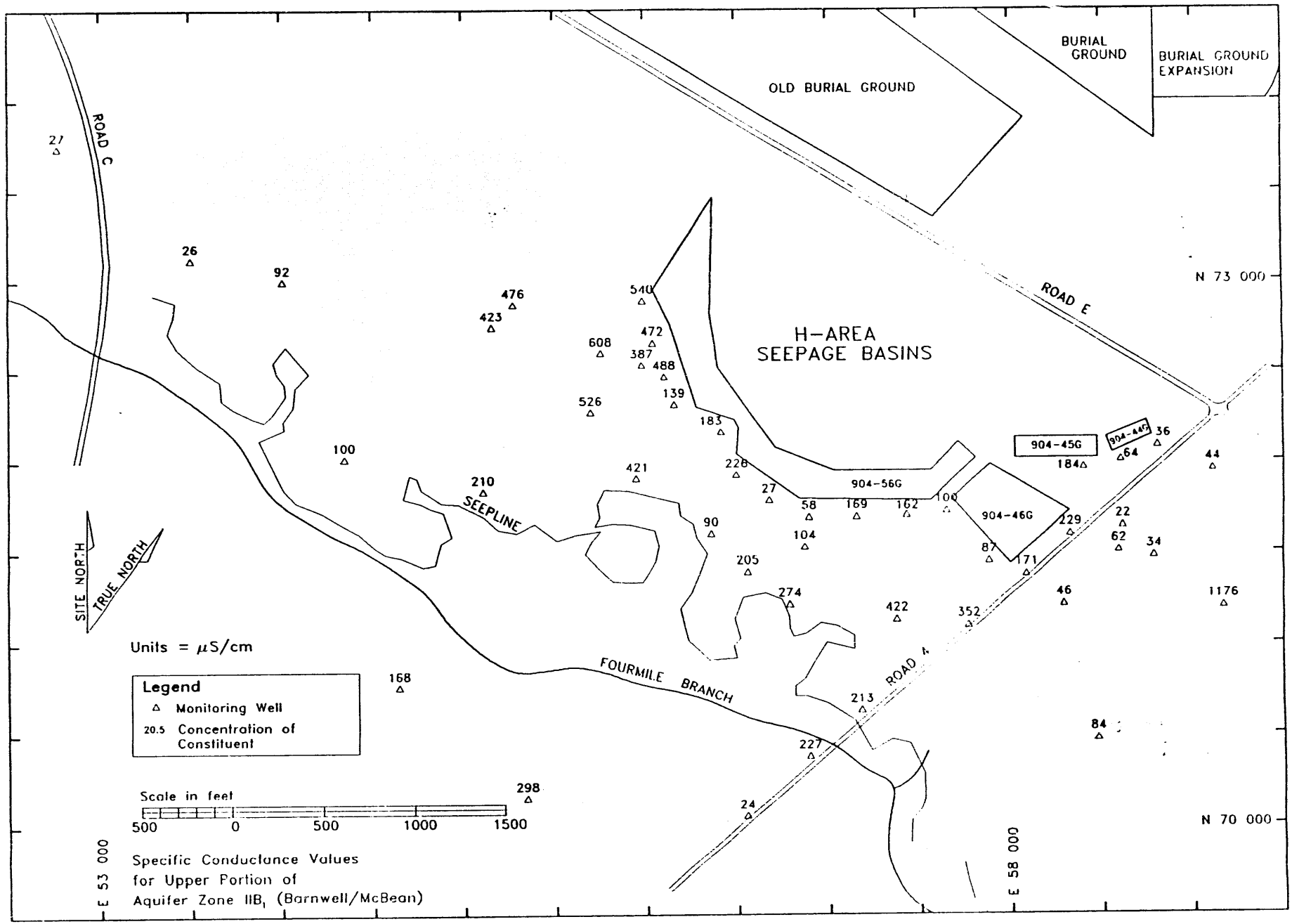


Figure 32. Specific Conductance in Upper Portion of Aquifer Zone IIB$_1$ (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

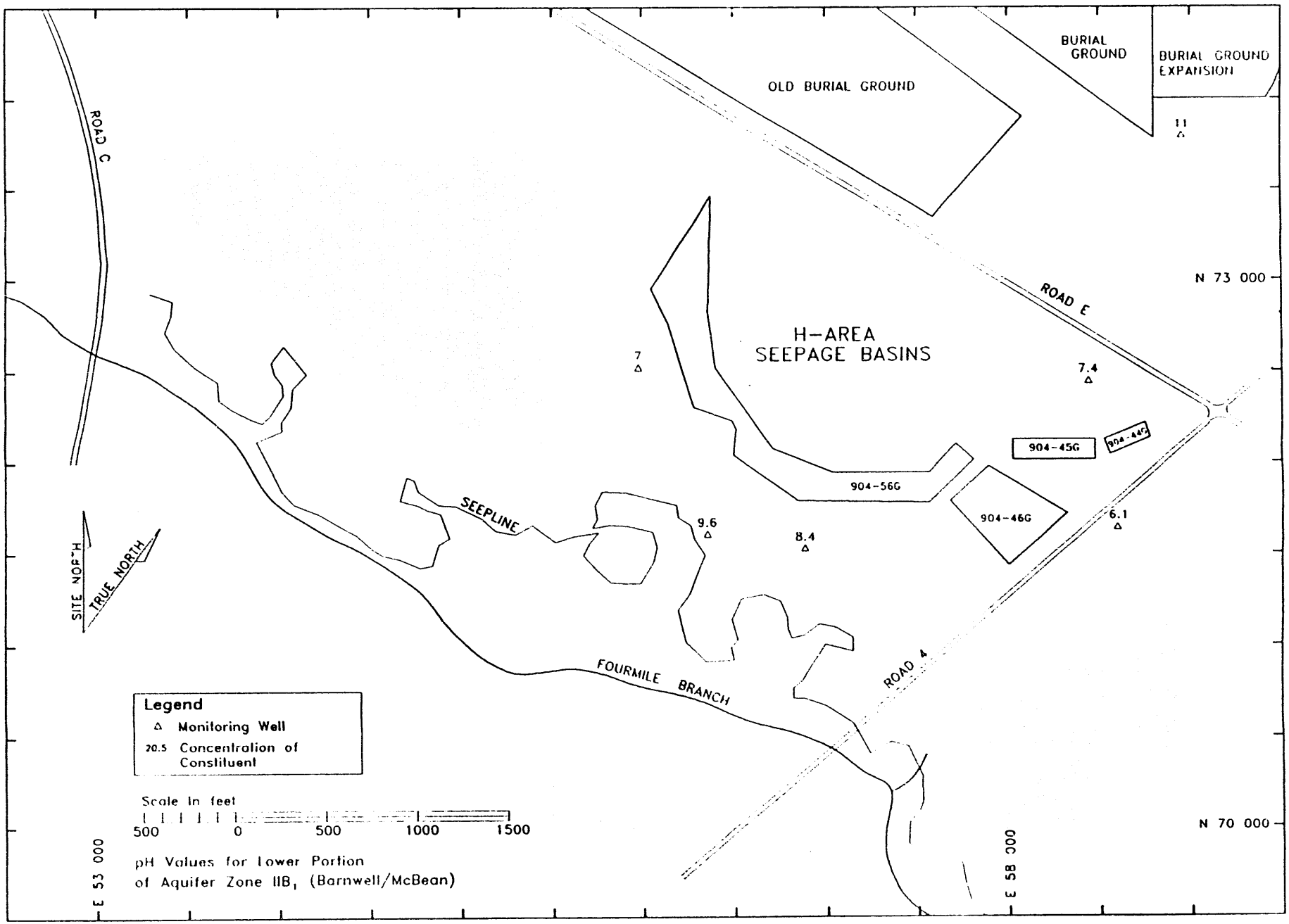


Figure 33. pH Values in Lower Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

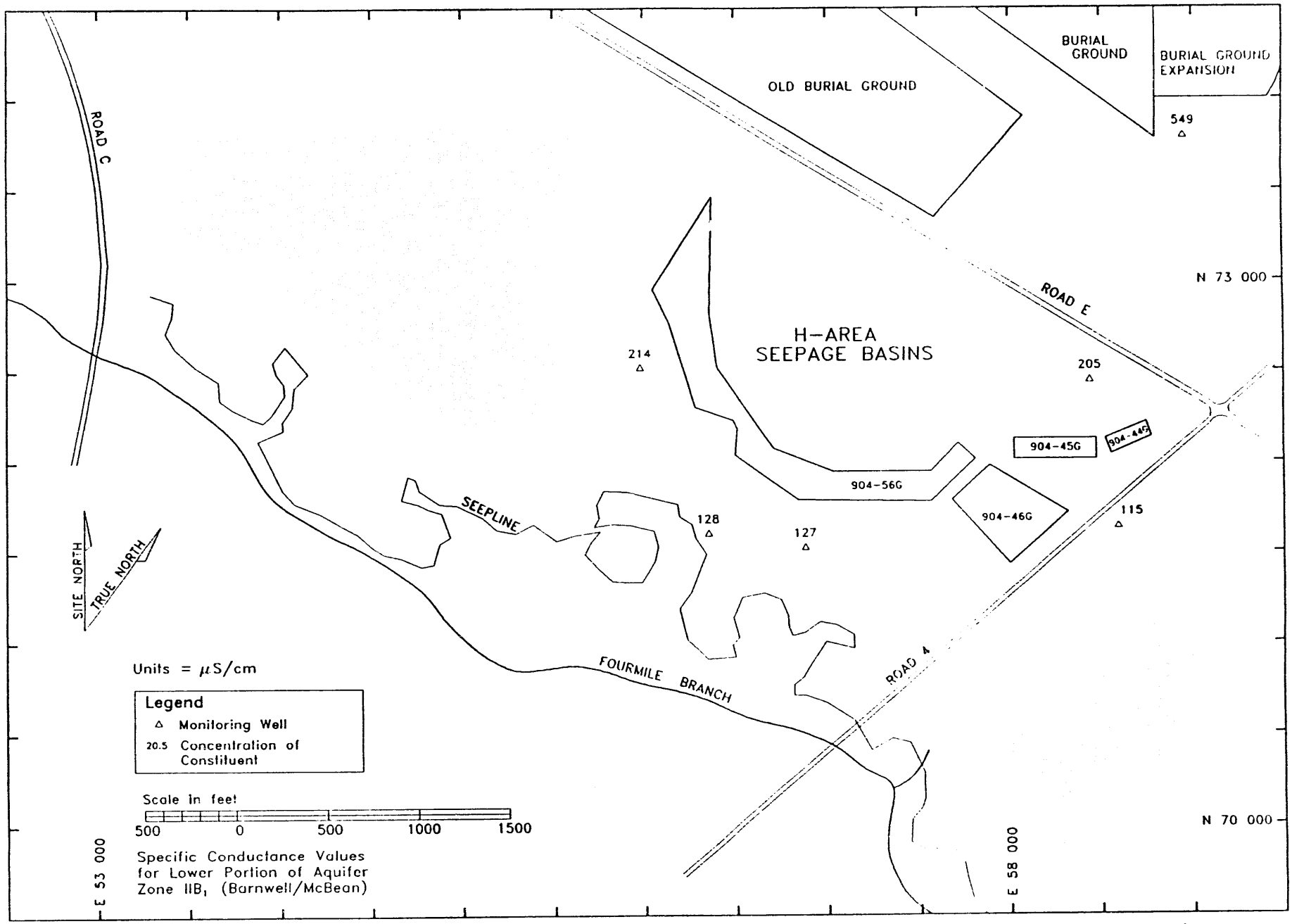


Figure 34. Specific Conductance in Lower Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins, Second Quarter 1992

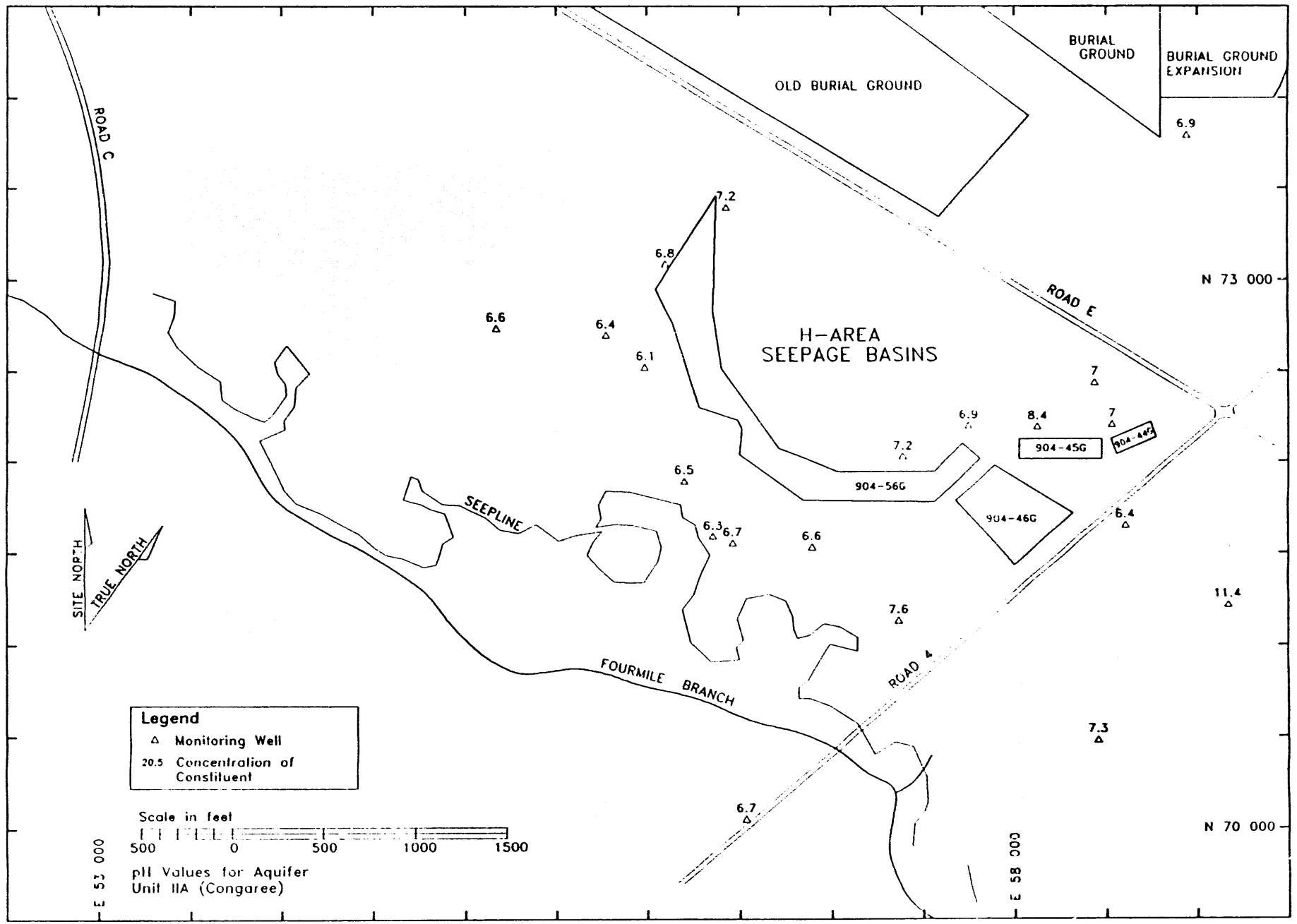


Figure 35. pH Values in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Second Quarter 1992

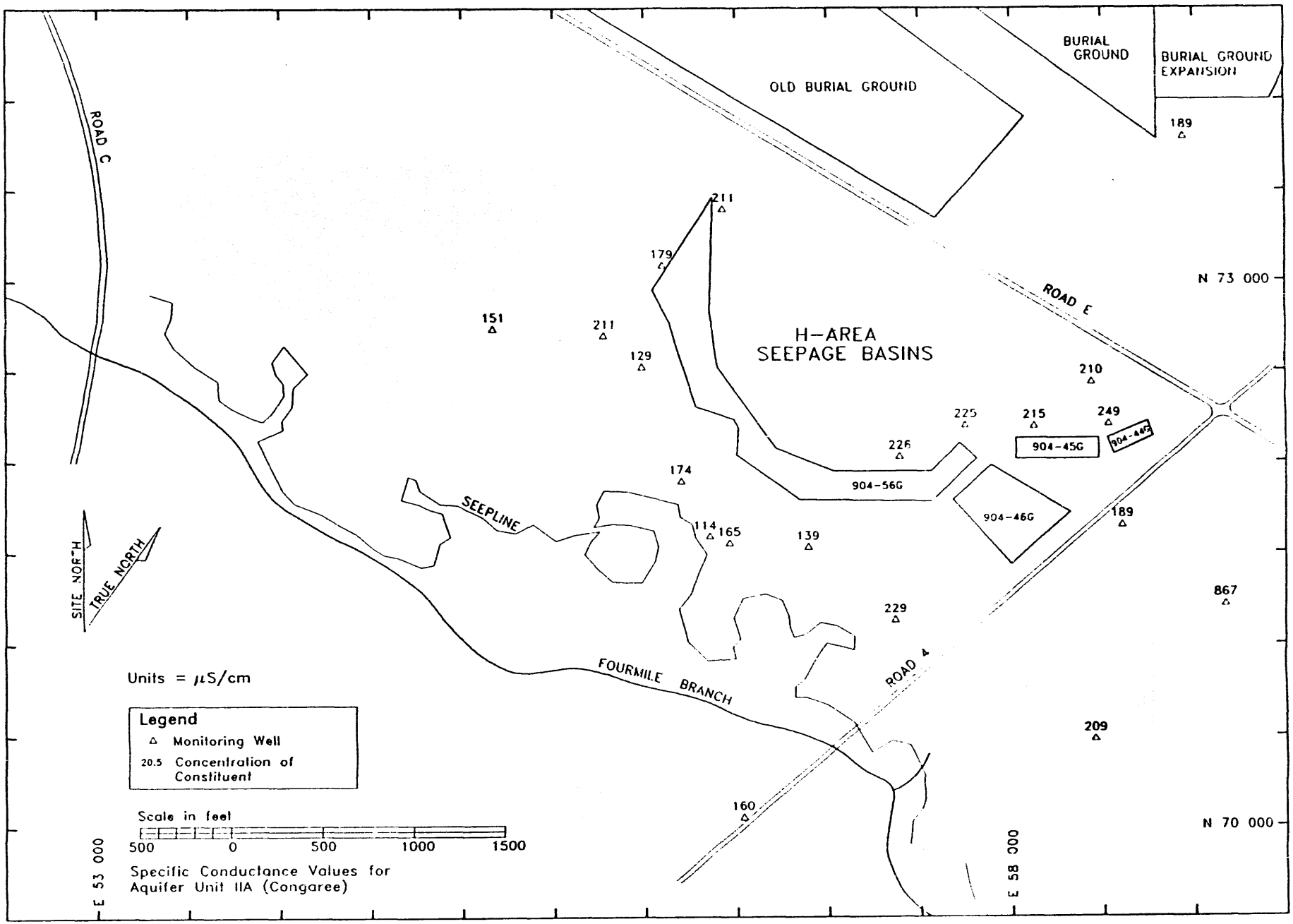


Figure 36. Specific Conductance in Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins, Second Quarter 1992

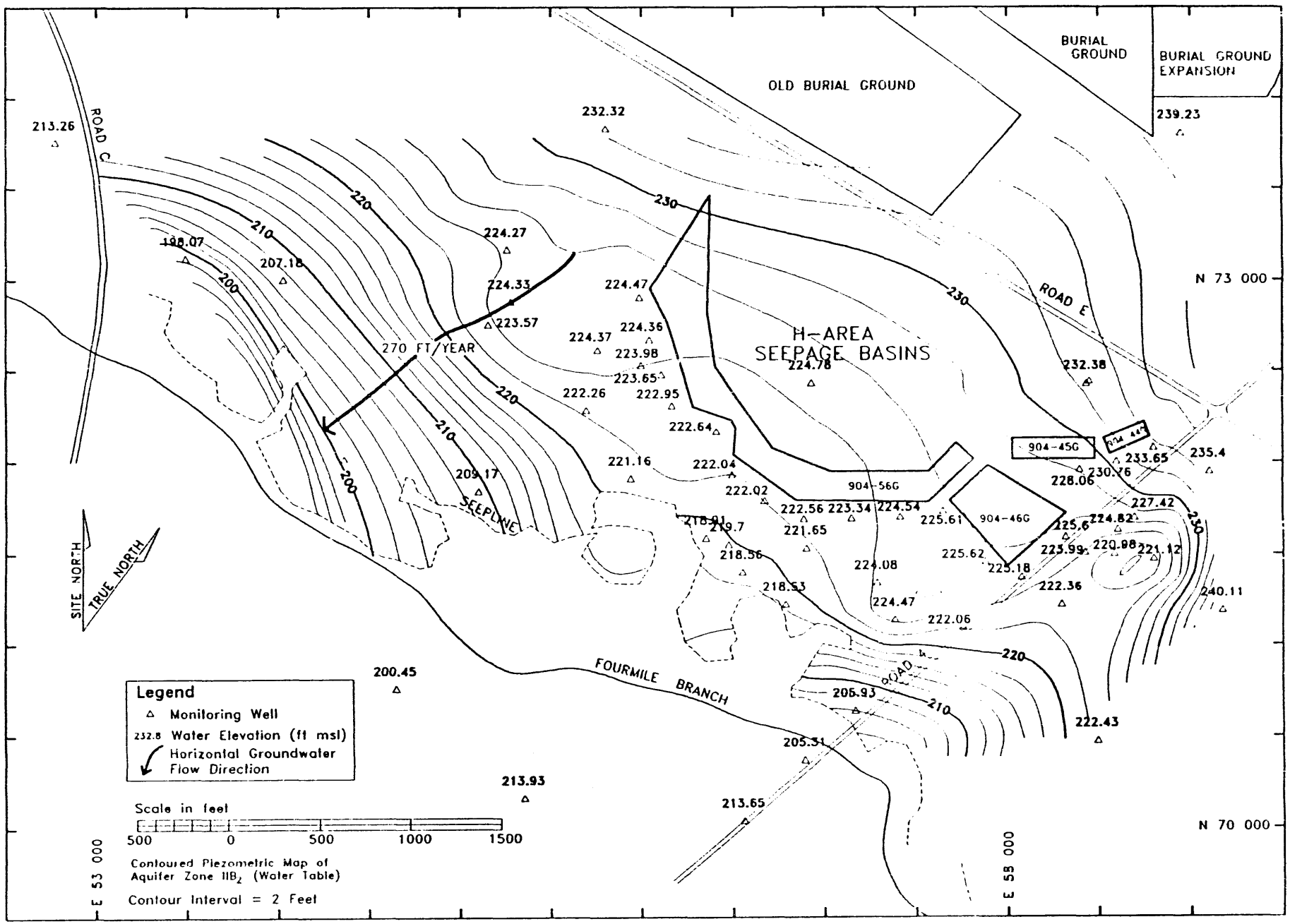


Figure 37. Piezometric Surface Map of Aquifer Zone IIB_2 (Water Table) at the H-Area Seepage Basins

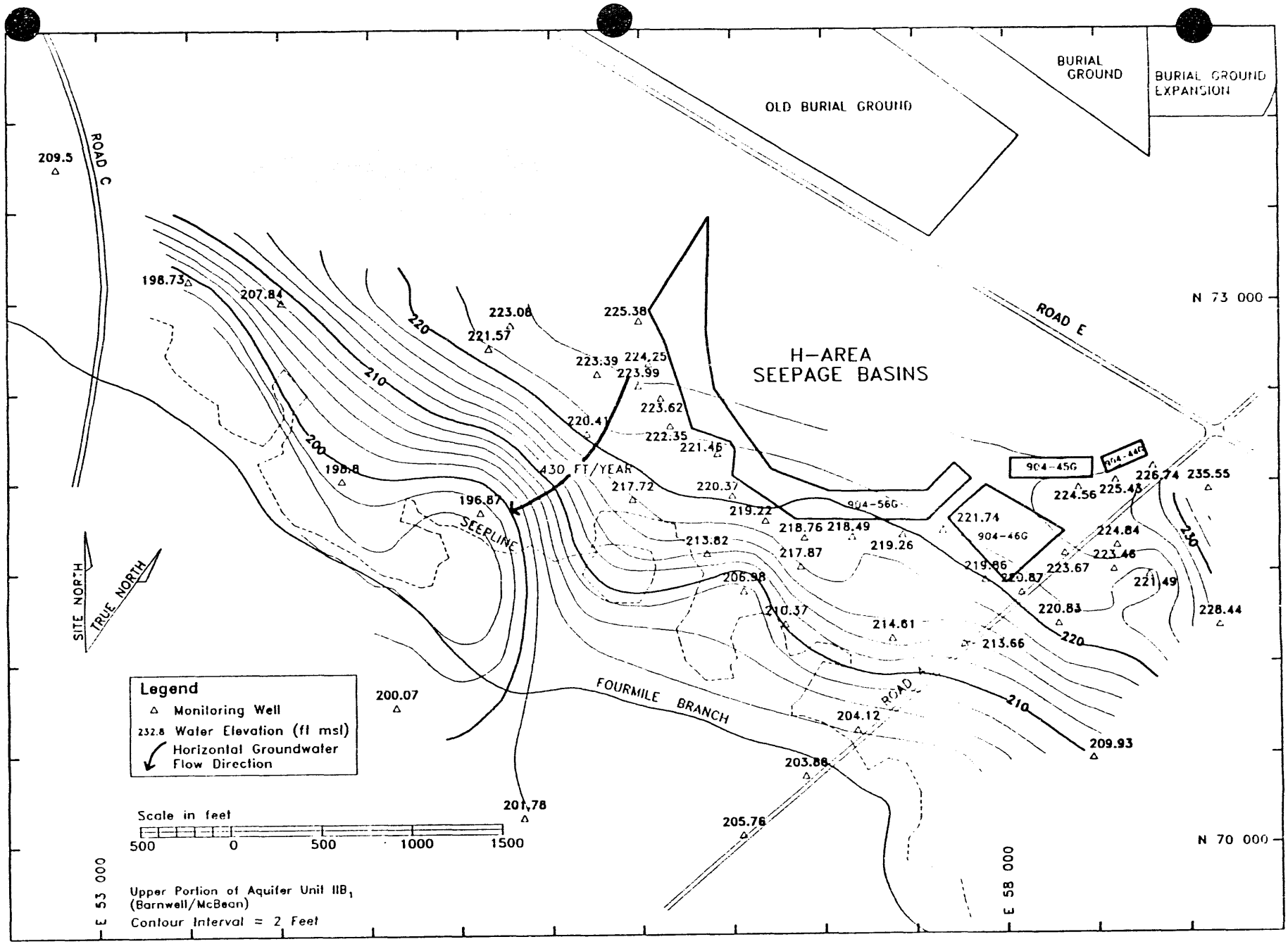


Figure 38. Potentiometric Surface Map of Upper Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins

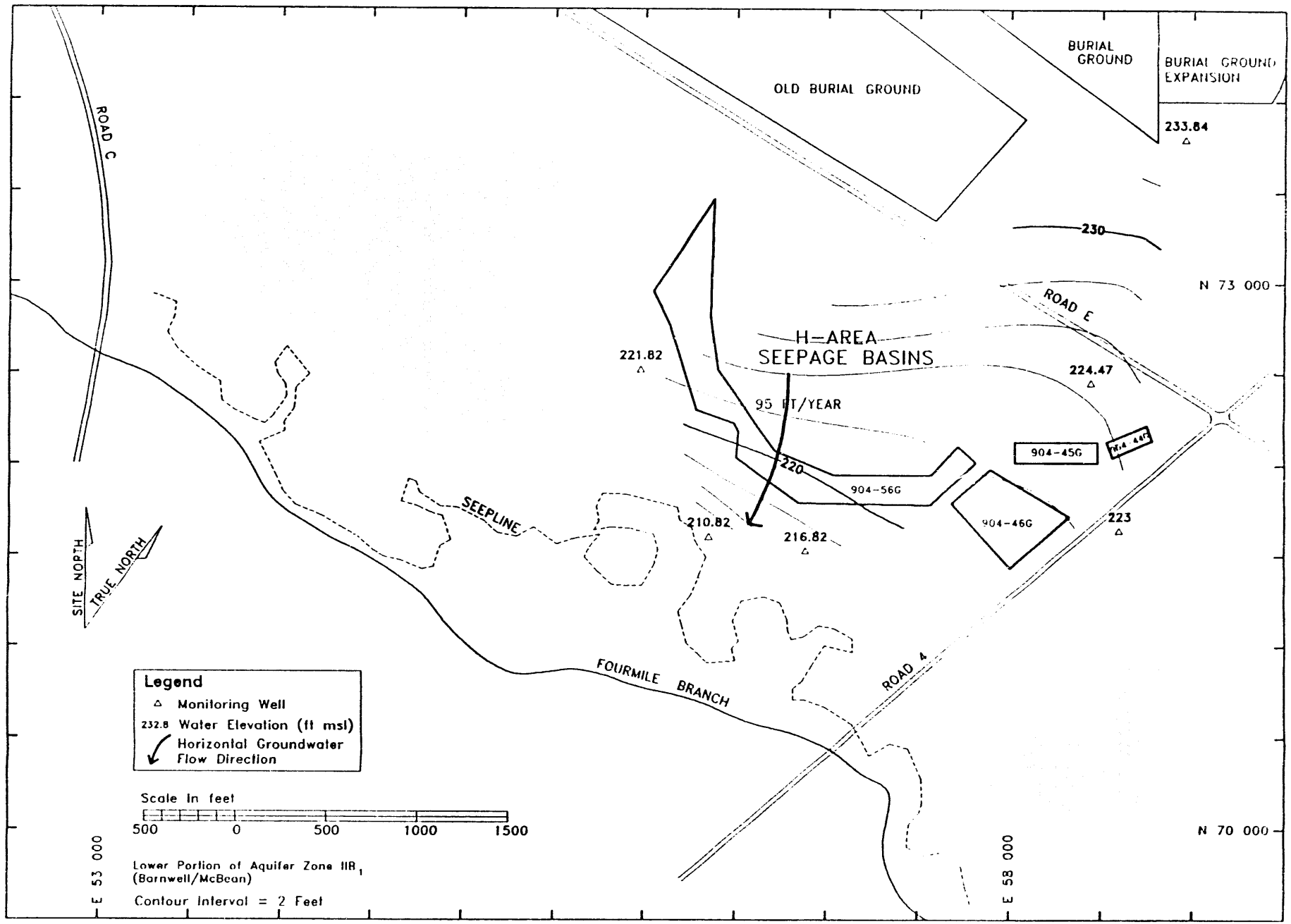


Figure 39. Potentiometric Surface Map of Lower Portion of Aquifer Zone IIB_1 (Barnwell/McBean) at the H-Area Seepage Basins

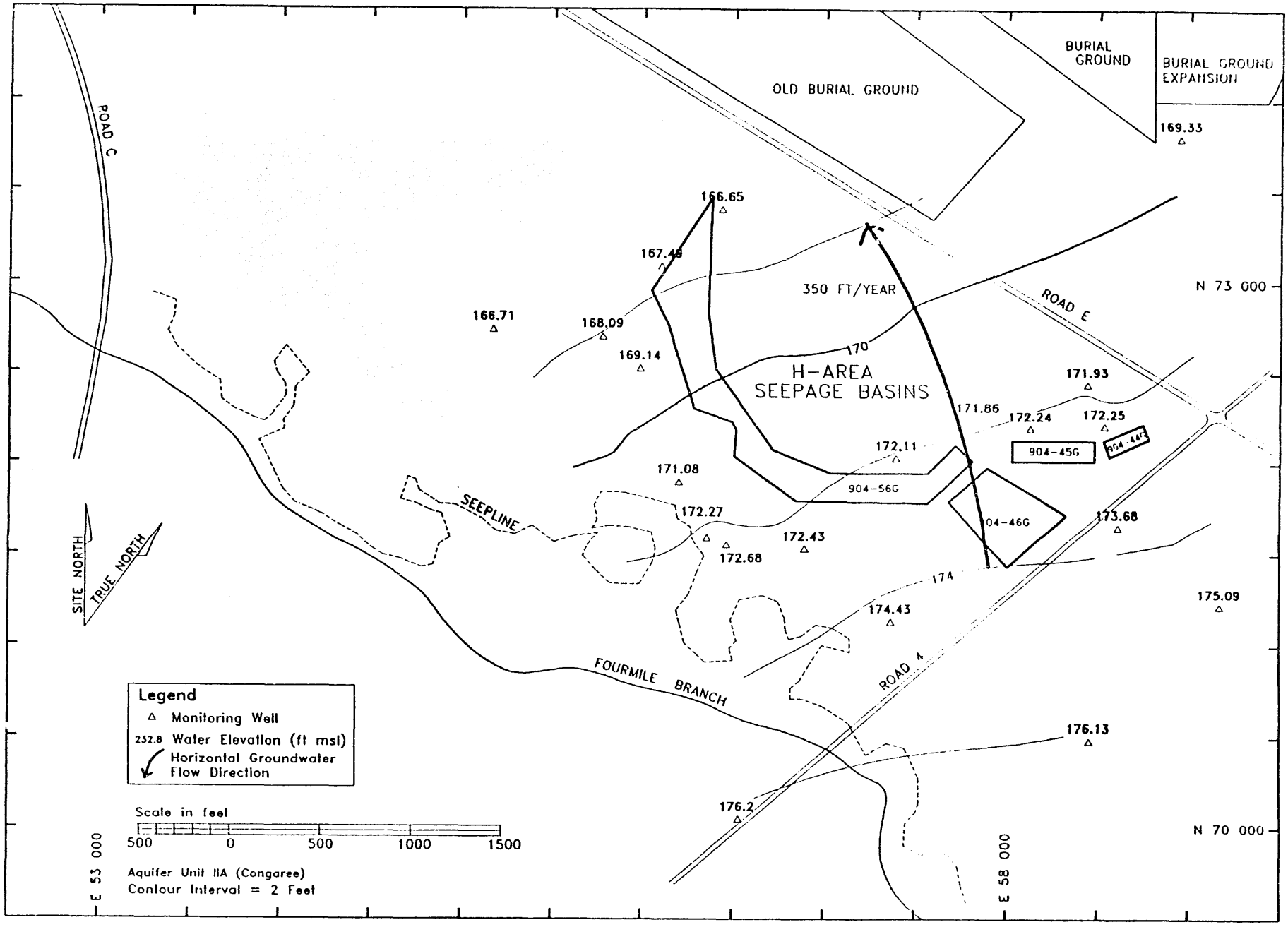


Figure 40. Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the H-Area Seepage Basins

Appendix D – Groundwater Monitoring Results Tables

Key to Reading the Tables

The following abbreviations may appear in the tabular data:

BA = Barringer Laboratories, Inc.
CN = Clemson Technical Center, Inc.
D = drinking water standard
E = exponential notation (e.g., 1.1E−09 = 1.1×10^{-9} = 0.0000000011)
EM = EPD/EMS Laboratory
GE = General Engineering Laboratories
GP = Environmental Physics, Inc.
H = holding time
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-heptachlorodibenzo-p-furan
Lindane = gamma-benzene hexachloride
MA = M-Area Laboratory
msl = mean sea level
MSL = million structures/liter
NTU = turbidity unit
pH = pH unit
pCi/L = picocuries per liter
pCi/mL = picocuries per milliliter
Sp. = specific
PVC = polyvinyl chloride
TCDD = tetrachlorodibenzo-p-dioxin
TCDF = tetrachlorodibenzo-p-furan
TE = Teledyne Isotopes, Inc.
TM = TMA/Eberline
TOC = top of casing
WA = Roy F. Weston, Inc.
μg/L = micrograms per liter
μS/cm = microsiemens per centimeter

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 dot (•) in the H (holding time) column indicates that holding time was exceeded. Analyses performed beyond holding time may not yield valid results.

South Carolina Department of Health and Environmental Control (SCDHEC) allows only 15 minutes to elapse between sampling and analysis for pH. Thus, laboratory pH analyses always exceed holding time.

Laboratory-initiated procedures for reducing the number of other analyses performed out of holding time include subcontracting analyses when difficulties with equipment, personnel, or work load would prevent timely analyses. Beginning fourth quarter 1991, SRS reduced the compensation to laboratories for analyses performed out of holding time.

Table 1. Constituents Exceeding the Primary Drinking Water Standards

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	1Q92	2Q92
HSB 65	Tritium	pCi/mL	3.8E+01	3.3E+01
HSB 65C	Tritium	pCi/mL	2.8E+01	2.7E+01
HSB 66	Lead	µg/L	-[a]	28
HSB 67	Gross alpha	pCi/L	-	2.3E+01
	Nitrate as nitrogen	µg/L	-	11,400[b]
	Nitrate as nitrogen	µg/L	NA[c]	11,600[b]
	Nonvolatile beta	pCi/L	9.1E+02	2.1E+03
	Total alpha-emitting radium[d]	pCi/L	2.2E+01	4.7E+01
	Tritium	pCi/mL	4.1E+03	4.3E+03
HSB 68	Gross alpha	pCi/L	3.9E+01	6.9E+01
	Lead	µg/L	16	-
	Mercury	µg/L	2.6	2.6
	Nitrate as nitrogen	µg/L	39,200	40,100
	Nonvolatile beta	pCi/L	7.0E+03	9.4E+03
	Total alpha-emitting radium	pCi/L	1.1E+02	1.3E+02[e]
	Total alpha-emitting radium	pCi/L	NA	1.3E+02[e]
	Tritium	pCi/mL	1.1E+04	9.4E+03
HSB 69	Antimony	µg/L	8.1	-
	Gross alpha	pCi/L	3.6E+01	2.4E+01
	Nitrate as nitrogen	µg/L	23,200	21,000
	Nonvolatile beta	pCi/L	3.9E+03	5.0+03
	Total alpha-emitting radium	pCi/L	3.8E+01	9.7E+01
	Tritium	pCi/mL	1.5E+03	1.1E+03[f]
	Tritium	pCi/mL	NA	1.1E+03[f]
HSB 70	Lead	µg/L	38	22
	Total alpha emitting radium	pCi/L	-	7.0E+00
	Tritium	pCi/mL	1.7E+02	7.6E+01
HSB 71	Tritium	pCi/mL	1.3E+02	1.1E+02
HSB 83D	Tritium	pCi/mL	1.0E+03	1.0E+03
HSB 84D	Antimony	µg/L	6	-
	Gross alpha	pCi/L	1.5E+01	-
	Nitrate as nitrogen	µg/L	11,800[b]	10,200
	Nitrate as nitrogen	µg/L	11,600[b]	NA
	Nonvolatile beta	pCi/L	1.8E+03	1.6E+03
	Total alpha-emitting radium	pCi/L	2.0E+01	2.9E+01
	Tritium	pCi/mL	1.3E+03	9.1E+02
HSB 86D	Gross alpha	pCi/L	4.4E+01	6.9E+01
	Nitrate as nitrogen	µg/L	37,800	34 200
	Nonvolatile beta	pCi/L	2.3E+03	2.1E+03

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	1Q92	2Q92
	Total alpha-emitting radium	pCi/L	7.2E+01	3.5E+01
	Tritium	pCi/mL	1.3E+04	8.3E+03
HSB100D	Tritium	pCi/mL	5.0E+02	5.9E+02
HSB101D	Arsenic	µg/L	81	83
	Mercury	µg/L	4.2	2.8
	Nitrate as nitrogen	µg/L	43,400	72,000
	Nonvolatile beta	pCi/L	9.0E+01	-
	Tritium	pCi/mL	1.0E+04	1.0E+04
HSB102D	Gross alpha	pCi/L	8.0E+01	2.2E+02
	Lead	µg/L	38	31
	Mercury	µg/L	-	3.3
	Nitrate as nitrogen	µg/L	40,000	41,000[b]
	Nitrate as nitrogen	µg/L	NA	42,000[b]
	Nonvolatile beta	pCi/L	4.2E+03	7.5E+03
	Total alpha-emitting radium	pCi/L	7.3E+01	7.2E+01
	Tritium	pCi/mL	1.0E+04	1.5E+04
HSB103D	Gross alpha	pCi/L	-	2.1E+01
	Mercury	µg/L	2.3	-
	Nitrate as nitrogen	µg/L	20,000	20,000
	Nonvolatile beta	pCi/L	4.3E+02	4.3E+02
	Total alpha-emitting radium	pCi/L	1.9E+01	1.2E+01
	Tritium	pCi/mL	5.2E+03	4.3E+03
HSB104D	Gross alpha	pCi/L	2.3E+01	2.7E+01
	Mercury	µg/L	3.6	2.3
	Nitrate as nitrogen	µg/L	22,800	23,000
	Nonvolatile beta	pCi/L	2.9E+03	2.4E+03
	Total alpha-emitting radium	pCi/L	3.8E+01	1.8E+01
	Tritium	pCi/mL	2.8E+03	2.5E+03
HSB105D	Gross alpha	pCi/L	2.8E+01	5.4E+01[g]
	Gross alpha	pCi/L	NA	4.7E+01[g]
	Mercury	µg/L	2.8	4.6[h]
	Mercury	µg/L	NA	4.6[h]
	Nitrate as nitrogen	µg/L	40,000	58,000
	Nonvolatile beta	pCi/L	4.6E+03	4.9E+03[i]
	Nonvolatile beta	pCi/L	NA	4.3E+03[i]
	Total alpha-emitting radium	pCi/L	5.4E+01	5.7E+01[e]
	Total alpha-emitting radium	pCi/L	NA	5.4E+01[e]
	Tritium	pCi/mL	5.1E+03	7.6E+03
HSB106D	Nitrate as nitrogen	µg/L	11,400	24,000[b]
	Nitrate as nitrogen	µg/L	NA	24,000[b]
	Nonvolatile beta	pCi/L	6.6E+02	6.8E+02
	Total alpha-emitting radium	pCi/L	9.7E+00	8.4E+00
	Tritium	pCi/mL	1.2E+03	1.1E+03
HSB107D	Gross alpha	pCi/L	-	1.6E+01
	Mercury	µg/L	-	3.5
	Nonvolatile beta	pCi/L	2.0E+03	3.2E+03

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	1Q92	2Q92
	Nitrate as nitrogen	µg/L	32,600	28,000
	Total alpha-emitting radium	pCi/L	3.4E+01	8.1E+01
	Tritium	pCi/mL	6.4E+03	4.6E+03
HSB108D	Gross alpha	pCi/L	3.1E+01	3.3E+01
	Mercury	µg/L	4.1	2.8
	Nitrate as nitrogen	µg/L	29,000[b]	29,000
	Nitrate as nitrogen	µg/L	29,400[b]	NA
	Nonvolatile beta	pCi/L	6.8E+03	6.3E+03
	Total alpha-emitting radium	pCi/L	8.1E+01	1.4E+02
	Tritium	pCi/mL	6.0E+03	4.9E+03
HSB109D	Nonvolatile beta	pCi/L	1.1E+03	1.5E+03[i]
	Nonvolatile beta	pCi/L	NA	1.5E+03[i]
	Total alpha-emitting radium	pCi/L	1.6E+01	1.7E+01
	Tritium	pCi/mL	5.3E+02	3.4E+02
HSB110D	Nonvolatile beta	pCi/L	2.3E+02	1.1E+02
	Total alpha-emitting radium	pCi/L	5.0E+00	-
	Tritium	pCi/mL	1.1E+02	6.3E+01[f]
	Tritium	pCi/mL	NA	6.4E+01[f]
HSB111D	Nitrate as nitrogen	µg/L	41,600	64,000
	Nonvolatile beta	pCi/L	9.9E+01	7.2E+01
	Total alpha-emitting radium	pCi/L	-	7.5E+00
	Tritium	pCi/mL	1.4E+04	1.3E+04
HSB111E	Gross alpha	pCi/L	3.6E+01	-
	Nonvolatile beta	pCi/L	1.1E+03	7.6E+02
	Total alpha-emitting radium	pCi/L	1.5E+01	9.1E+00
	Tritium	pCi/mL	7.5E+02	3.3E+02
HSB112D	Nitrate as nitrogen	µg/L	48,800	53,000
	Nonvolatile beta	pCi/L	7.5E+01	1.1E+02
	Total alpha-emitting radium	pCi/L	-	8.6E+00
	Tritium	pCi/mL	1.8E+04	1.8E+04
HSB112E	Antimony	µg/L	13	-
	Lead	µg/L	20	-
	Nitrate as nitrogen	µg/L	42,400	44,000
	Nonvolatile beta	pCi/L	3.1E+02	3.1E+02
	Total alpha-emitting radium	pCi/L	1.1E+01	9.4E+00
	Tritium	pCi/mL	1.2E+04	1.0E+04[f]
	Tritium	pCi/mL	NA	1.0E+04[f]
HSB113D	Gross alpha	pCi/L	3.6E+01	9.7E+01
	Nitrate as nitrogen	µg/L	42,000	37,900
	Nonvolatile beta	pCi/L	1.9E+03	2.8E+03
	Total alpha-emitting radium	pCi/L	5.7E+01	4.4E+01
	Tritium	pCi/mL	1.1E+04	1.0E+04
HSB114D	Gross alpha	pCi/L	3.1E+01	5.1E+01
	Nitrate as nitrogen	µg/L	26,600	24,800
	Nonvolatile beta	pCi/L	2.9E+03	3.4E+03

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	1Q92	2Q92
	Total alpha-emitting radium	pCi/L	6.8E+01	4.2E+01
	Tritium	pCi/mL	3.7E+03	3.5E+03
HSB115D	Antimony	µg/L	9.8	-
	Gross alpha	pCi/L	2.1E+01	3.1E+01[g]
	Gross alpha	pCi/L	NA	3.3E+01[g]
	Lead	µg/L	54	69[j]
	Lead	µg/L	NA	71[j]
	Nitrate as nitrogen	µg/L	31,600	36,000
	Nonvolatile beta	pCi/L	1.4E+03	2.1E+03[i]
	Nonvolatile beta	pCi/L	NA	2.4E+03[i]
	Total alpha-emitting radium	pCi/L	3.9E+01	3.8E+01
	Tritium	pCi/mL	9.0E+03	8.6E+03
HSB116D	Gross alpha	pCi/L	4.4E+01	7.3E+01
	Lead	µg/L	17	19
	Nitrate as nitrogen	µg/L	41,200	40,800
	Nonvolatile beta	pCi/L	1.0E+04	1.3E+04
	Total alpha-emitting radium	pCi/L	1.2E+02	1.7E+02
	Tritium	pCi/mL	1.1E+04	8.1E+03
HSB117D	Tritium	pCi/mL	2.7E+02	1.5E+02[f]
	Tritium	pCi/mL	NA	1.5E+02[f]
HSB125D	Nitrate as nitrogen	µg/L	36,600	32,000[b]
	Nitrate as nitrogen	µg/L	NA	32,000[b]
	Nonvolatile beta	pCi/L	-	5.1E+01
	Tritium	pCi/mL	5.9E+03	5.1E+03
HSB126D	Antimony	µg/L	5.8	-
	Mercury	µg/L	4.6	6.8[h]
	Mercury	µg/L	NA	6.5[h]
	Nitrate as nitrogen	µg/L	53,600	59,000[b]
	Nitrate as nitrogen	µg/L	NA	57,000[b]
	Tritium	pCi/mL	5.5E+03	5.4E+03
HSB127D	Mercury	µg/L	2.6	3.4
	Nitrate as nitrogen	µg/L	35,600	26,000
	Nonvolatile beta	pCi/L	7.0E+01	6.1E+01
	Tritium	pCi/mL	1.1E+04	8.0E+03
HSB129D	Nitrate as nitrogen	µg/L	46,500	40,000
	Nonvolatile beta	pCi/L	1.2E+02	5.2E+01
	Total alpha-emitting radium	pCi/L	9.0E+00	-
	Tritium	pCi/mL	7.2E+03	6.9E+03
HSB132D	Antimony	µg/L	5.8	-
HSB133D	Tritium	pCi/mL	3.5E+01	3.3E+01
HSB134D	Nitrate as nitrogen	µg/L	10,200	15,800
	Nonvolatile beta	pCi/L	2.6E+02	3.2E+02

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	1Q92	2Q92
	Total alpha-emitting radium	pCi/L	-	1.1E+01
	Tritium	pCi/mL	1.5E+03	1.6E+03
HSB135D	Antimony	µg/L	6.1	-
	Nonvolatile beta	pCi/L	-	6.8E+01[i]
	Nonvolatile beta	pCi/L	NA	6.5E+01[i]
	Tritium	pCi/mL	2.8E+02	3.4E+02
HSB136D	Gross alpha	pCi/L	5.0E+01	9.6E+01[g]
	Gross alpha	pCi/L	NA	9.6E+01[g]
	Nitrate as nitrogen	µg/L	29,000	28,400
	Nonvolatile beta	pCi/L	2.1E+03	2.8E+03[i]
	Nonvolatile beta	pCi/L	NA	2.8E+03[i]
	Total alpha-emitting radium	pCi/L	7.4E+01	5.5E+01
	Tritium	pCi/mL	8.8E+03	6.2E+03
HSB137D	Lead	µg/L	-	24
	Nitrate as nitrogen	µg/L	-	10,000
	Nonvolatile beta	pCi/L	1.0E+02	8.4E+01
	Tritium	pCi/mL	4.5E+03	3.7E+03
HSB138D	Tritium	pCi/mL	1.9E+03	9.4E+02
HSB139D	Antimony	µg/L	7.1	-
	Tritium	pCi/mL	1.0E+02[f]	-
	Tritium	pCi/mL	1.0E+02[f]	NA
	Tritium	pCi/mL	1.0E+02[f]	NA
	Tritium	pCi/mL	1.0E+02[f]	NA
	Tritium	pCi/mL	1.1E+02[f]	NA
	Tritium	pCi/mL	1.2E+02[f]	NA
HSB141D	Antimony	µg/L	7.6	-
	Tritium	pCi/mL	2.3E+01	2.1E+01
HSB142D	Tritium	pCi/mL	4.3E+02	6.5E+02[f]
	Tritium	pCi/mL	NA	6.6E+02[f]
HSB143D	Tetrachloroethylene	µg/L	-	8.7
HSB145D	Gross alpha	pCi/L	2.1E+01	5.7E+01
	Nitrate as nitrogen	µg/L	36,800	39,000
	Nonvolatile beta	pCi/L	3.8E+02	4.6E+02
	Total alpha-emitting radium	pCi/L	1.7E+01	3.3E+01
	Tritium	pCi/mL	3.7E+03	4.8E+03
HSB146D	Antimony	µg/L	8.3	-
HSB147D	Tritium	pCi/mL	2.4E+01	2.2E+01
HSB149D	Tritium	pCi/mL	4.9E+01	3.0E+01
HSB150D	Tritium	pCi/mL	4.1E+01	3.3E+01[f]
	Tritium	pCi/mL	NA	3.3E+01[f]

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	1Q92	2Q92
	Tritium	pCi/mL	NA	3.3E+01[f]
	Tritium	pCi/mL	NA	3.2E+01[f]
HSB151D	Tritium	pCi/mL	6.9E+02	4.8E+02
HSB152D	Tritium	pCi/mL	5.6E+02	4.7E+02

Aquifer Zone IIB_1 (Barnwell)

Well	Constituent	Unit	1Q92	2Q92
HSB 68C	Tritium	pCi/mL	1.8E+03	2.3E+03
HSB 70C	Nitrate as nitrogen	µg/L	32,400[b]	27,000
	Nitrate as nitrogen	µg/L	32,600[b]	NA
	Nonvolatile beta	pCi/L	1.2E+02	7.6E+01
	Tritium	pCi/mL	4.1E+03	3.0E+03[f]
	Tritium	pCi/mL	NA	3.1E+03[f]
HSB 71C	Nitrate as nitrogen	µg/L	50,500	51,000
	Nonvolatile beta	pCi/L	1.6E+02	1.9E+02
	Total alpha-emitting radium	pCi/L	1.2E+01	5.9E+00
	Tritium	pCi/mL	8.3E+03	8.3E+03
HSB 84C	Tritium	pCi/mL	3.9E+02	4.0E+02
HSB 86C	Cadmium	µg/L	9.8	8.9
	Gross alpha	pCi/L	2.0E+01	5.8E+01
	Nitrate as nitrogen	µg/L	40,400	39,700
	Nonvolatile beta	pCi/L	2.9E+02	4.4E+02
	Total alpha-emitting radium	pCi/L	1.6E+01	2.1E+01
	Tritium	pCi/mL	1.5E+04	1.7E+04
HSB101C	Tritium	pCi/mL	-	2.0E+01
HSB102C	Nitrate as nitrogen	µg/L	13,400	14,400
	Tritium	pCi/mL	2.2E+02	2.2E+02
HSB103C	Nitrate as nitrogen	µg/L	22,800	22,000[b]
	Nitrate as nitrogen	µg/L	NA	22,000[b]
	Tritium	pCi/mL	8.2E+02	8.1E+02
HSB104C	Tritium	pCi/mL	2.9E+02	2.9E+02
HSB105C	Tritium	pCi/mL	1.1E+02	1.0E+02
HSB106C	Tetrachloroethylene	µg/L	5.2	5.7[k]
	Tetrachloroethylene	µg/L	NA	5.4[k]
	Tritium	pCi/mL	3.8E+02	3.6E+02

Aquifer Zone IIB$_1$ (Barnwell)

Well	Constituent	Unit	1Q92	2Q92
HSB107C	Nonvolatile beta	pCi/L	1.2E+02	-
	Tritium	pCi/mL	4.4E+02	4.2E+02
HSB108C	Tritium	pCi/mL	3.6E+02	3.6E+02
HSB109C	Tritium	pCi/mL	7.4E+01[f]	7.8E+01
	Tritium	pCi/mL	7.4E+01[f]	NA
	Tritium	pCi/mL	7.4E+01[f]	NA
	Tritium	pCi/mL	7.4E+01[f]	NA
	Tritium	pCi/mL	7.8E+01[f]	NA
	Tritium	pCi/mL	7.8E+01[f]	NA
HSB110C	Tritium	pCi/mL	3.8E+01	3.6E+01
HSB111C	Nitrate as nitrogen	µg/L	24,200	24,000
	Nonvolatile beta	pCi/L	9.1E+01	-
	Tritium	pCi/mL	3.6E+03	3.4E+03
HSB112C	Nitrate as nitrogen	µg/L	15,400	14,000
	Nonvolatile beta	pCi/L	7.8E+01	5.1E+01
	Tritium	pCi/mL	2.5E+03	2.3E+03
HSB113C	Nitrate as nitrogen	µg/L	13,600	13,400[b]
	Nitrate as nitrogen	µg/L	NA	14,200[b]
	Nonvolatile beta	µg/L	-	5.4E+01
	Tritium	pCi/mL	1.6E+03	1.6E+03
HSB114C	Gross alpha	pCi/L	-	1.7E+01
	Nitrate as nitrogen	µg/L	54,400	56,500
	Nonvolatile beta	pCi/L	1.9E+02	1.8E+02
	Total alpha-emitting radium	pCi/L	9.7E+00	8.5E+00
	Tritium	pCi/mL	1.3E+04	1.4E+04
HSB115C	Nitrate as nitrogen	µg/L	49,200	53,000
	Nonvolatile beta	pCi/L	1.5E+02	1.7E+02
	Total alpha-emitting radium	pCi/L	-	5.4E+00
	Tritium	pCi/mL	1.6E+04	1.6E+04
HSB116C	Gross alpha	pCi/L	1.7E+01	2.4E+01
	Nitrate as nitrogen	µg/L	61,000[b]	57,200
	Nitrate as nitrogen	µg/L	60,000[b]	NA
	Nonvolatile beta	pCi/L	1.2E+02	5.8E+01
	Total alpha-emitting radium	pCi/L	6.1E+00	6.5E+00
	Tritium	pCi/mL	1.7E+04	1.7E+04
HSB117C	Gross alpha	pCi/L	-	3.0E+01
	Nitrate as nitrogen	µg/L	38,000	25,700
	Nonvolatile beta	pCi/L	1.9E+02	8.1E+01
	Total alpha-emitting radium	pCi/L	8.8E+00	1.4E+01
	Tritium	pCi/mL	1.0E+04	9.5E+03
HSB126C	Nitrate as nitrogen	µg/L	-	52,000
	Tritium	pCi/mL	2.9E+02	3.0E+02

Aquifer Zone IIB_1 (Barnwell)

Well	Constituent	Unit	1Q92	2Q92
HSB127C	Tritium	pCi/mL	1.1E+03	1.0E+03
HSB129C	Nitrate as nitrogen	µg/L	21,000	21,000
	Nonvolatile beta	pCi/L	1.2E+02	-
	Tritium	pCi/mL	2.5E+03	2.4E+03
HSB131C	Tritium	pCi/mL	1.8E+02	1.8E+02
HSB132C	Antimony	µg/L	6.3	-
HSB134C	Tritium	pCi/mL	4.2E+01	4.3E+01
HSB135C	Tritium	pCi/mL	4.7E+01	5.1E+01
HSB136C	Nitrate as nitrogen	µg/L	41,500	44,100[b]
	Nitrate as nitrogen	µg/L	NA	44,200[b]
	Nonvolatile beta	pCi/L	1.5E+02	5.2E+01
	Tritium	pCi/mL	1.1E+04	1.0E+04
HSB137C	Nitrate as nitrogen	µg/L	90,000	64,000
	Nonvolatile beta	pCi/L	1.4E+02	1.6E+02
	Tritium	pCi/mL	1.2E+04	1.2E+04
HSB139C	Nitrate as nitrogen	µg/L	43,000	50,000[b]
	Nitrate as nitrogen	µg/L	NA	48,000[b]
	Tetrachloroethylene	µg/L	9.8	8.8
	Tritium	pCi/mL	3.3E+03	3.3E+03
HSB141C	Antimony	µg/L	8.7	-
HSB143C	Tetrachloroethylene	µg/L	-	11[k]
	Tetrachloroethylene	µg/L	NA	23[k]
HSB145C	Nitrate as nitrogen	µg/L	33,600	33,200
	Tetrachloroethylene	µg/L	12	14
	Tritium	pCi/mL	1.9E+03	1.9E+03
HSB151C	Tritium	pCi/mL	2.2E+03	2.2E+03
HSB152C	Tritium	pCi/mL	1.2E+03	1.2E+03

Aquifer Zone IIB_1 (McBean)

Well	Constituent	Unit	1Q92	2Q92
HSB 68B	Tritium	pCi/mL	2.7E+01	1.9E+02
HSB 84B	Lead	µg/L	20	-
	Tritium	pCi/mL	2.0E+01	8.6E+01

Aquifer Unit IIA (Congaree)

Well	Constituent	Unit	1Q92	2Q92
HSB 65A	Tritium	pCi/mL	3.0E+01	3.0E+01
HSB 84A	Nonvolatile beta	pCi/L	1.8E+02	1.7E+02
	Tritium	pCi/mL	4.9E+01	4.2E+01
HSB118A	Tritium	pCi/mL	6.6E+02[c]	1.6E+03[f]
	Tritium	pCi/mL	6.5E+02[c]	1.6E+03[f]
	Tritium	pCi/mL	NA	1.5E+03[f]
	Tritium	pCi/mL	NA	2.2E+03[f]
HSB119A	Tritium	pCi/mL	2.5E+02	2.5E+02
HSB141A	Antimony	µg/L	9.7	-
HSB144A	Tritium	pCi/mL	2.1E+03	1.5E+03

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[a] - = analyzed but not above PDWS.
[b] Duplicate samples of nitrate as nitrogen.
[c] NA = not analyzed.
[d] The PDWS for total radium was applied to total alpha-emitting radium.
[e] Duplicate samples of total alpha-emitting radium.
[f] Duplicate samples of tritium.
[g] Duplicate samples of gross alpha.
[h] Duplicate samples of mercury.
[i] Duplicate samples of nonvolatile beta.
[j] Duplicate samples of lead.
[k] Duplicate samples of tetrachloroethylene.

Table 2. Constituents Exceeding Half the Primary Drinking Water Standards or Other Flag 1 or Flag 2 Criteria

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	2Q92	Flag
HSB 65	*Lead*	µg/L	11	1
HSB 65C	*Nitrate as nitrogen*	µg/L	5,700	1
HSB 66	Total organic halogens	µg/L	33	1
	Tritium	pCi/mL	1.1E+01[a]	1
	Tritium	pCi/mL	1.1E+01[a]	1
	Tritium	pCi/mL	1.0E+01[a]	1
	Tritium	pCi/mL	1.0E+01[a]	1
HSB 67	Aluminum	µg/L	1,410	2
	Manganese	µg/L	200	2
	Mercury	µg/L	1.9	1
HSB 68	Aluminum	µg/L	5,650	2
	Manganese	µg/L	1,040	2
	Lead	µg/L	7.8	1
	pH	pH	3.9	1
	Specific conductance	µS/cm	310	1
HSB 69	Aluminum	µg/L	4,380	2
	Manganese	µg/L	668	2
HSB 83D	Manganese	µg/L	45	1
	Nonvolatile beta	pCi/L	4.3E+01	1
HSB 84D	Aluminum	µg/L	1,850	2
	Gross alpha	pCi/L	1.0E+01	1
	Manganese	µg/L	131	2
HSB 86D	Aluminum	µg/L	3,390	2
	Manganese	µg/L	304	2
	pH	pH	3.9	1
	Specific conductance	µS/cm	298	1
HSB100D	Manganese	µg/L	29	1
HSB101D	Aluminum	µg/L	348	2
	Nonvolatile beta	pCi/L	3.6E+01	1
	pH	pH	9.7	1
	Specific conductance	µS/cm	700	2
	Vanadium	µg/L	300	2
HSB102D	Aluminum	µg/L	12,300	2
	Manganese	µg/L	764	2
	pH	pH	3.6	1
	Specific conductance	µS/cm	380	1

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	2Q92	Flag
HSB103D	Aluminum	µg/L	704	2
	Manganese	µg/L	148	2
	Mercury	µg/L	1.8	1
HSB104D	Aluminum	µg/L	5,470	2
	Manganese	µg/L	462	2
	Specific conductance	uS/cm	260[b]	1
	Specific conductance	uS/cm	260[b]	1
HSB105D	Aluminum	µg/L	8,940	2
	Manganese	µg/L	614	2
	pH	pH	3.8	1
	Specific conductance	uS/cm	600[b]	2
	Specific conductance	uS/cm	600[b]	2
HSB106D	Aluminum	µg/L	530[c]	2
	Aluminum	µg/L	528[c]	2
	Manganese	µg/L	211[d]	2
	Manganese	µg/L	210[d]	2
HSB107D	Aluminum	µg/L	441	2
	Manganese	µg/L	180	2
	Specific conductance	uS/cm	730	2
HSB108D	Aluminum	µg/L	1,790	2
	Manganese	µg/L	604	2
	Specific conductance	uS/cm	250	1
HSB109D	Aluminum	µg/L	715	2
	Manganese	µg/L	220	2
	Nitrate as nitrogen	µg/L	7,100	1
HSB110D	Aluminum	µg/L	176	1
	Manganese	µg/L	46	1
	Total organic halogens	µg/L	44	1
HSB111D	Aluminum	µg/L	211	2
	Gross alpha	pCi/L	1.3E+01	1
	Manganese	µg/L	54	2
	Specific conductance	µS/cm	450	1
HSB111E	Aluminum	µg/L	389	2
	Gross alpha	pCi/L	8.6E+00	1
HSB112D	Aluminum	µg/L	136	1
	Manganese	µg/L	202	2
	Specific conductance	µS/cm	420	1
HSB112E	Aluminum	µg/L	101	1
	Cadmium	µg/L	3.2	1
	Cobalt	µg/L	24	1
	Gross alpha	pCi/L	7.7E+00	1
	Lead	µg/L	14	1

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	2Q92	Flag
	Manganese	µg/L	732	2
	Specific conductance	µS/cm	310	1
HSB113D	Aluminum	µg/L	8,080	2
	Iron	µg/L	262	1
	Manganese	µg/L	449	2
	pH	pH	3.8	1
	Specific conductance	µS/cm	340	1
HSB114D	Aluminum	µg/L	5,850	2
	Lead	µg/L	9.0	1
	Manganese	µg/L	500	2
	pH	pH	3.9	1
HSB115D	Aluminum	µg/L	3,450	2
	Cobalt	µg/L	46	2
	Manganese	µg/L	1,560	2
	Nickel	µg/L	58	1
	Specific conductance	uS/cm	295[b]	1
	Specific conductance	uS/cm	300[b]	1
HSB116D	Aluminum	µg/L	2,570	2
	Iron	µg/L	177	1
	Manganese	µg/L	825	2
	Specific conductance	µS/cm	385	1
HSB125D	Manganese	µg/L	197[d]	2
	Manganese	µg/L	199[d]	2
	Mercury	µg/L	1.8	1
	Nonvolatile beta	pCi/L	4.7E+01	1
	Specific conductance	µS/cm	300	1
HSB126D	Aluminum	µg/L	425	2
	Manganese	µg/L	50	2
	Nonvolatile beta	pCi/L	2.6E+01[e]	1
	Nonvolatile beta	pCi/L	2.6E+01[e]	1
	Specific conductance	µS/cm	400	1
	Total alpha-emitting radium[f]	pCi/L	3.5E+00	1
HSB127D	Aluminum	µg/L	129	1
	Gross alpha	pCi/L	8.1E+00	1
	Manganese	µg/L	349	2
	Total alpha-emitting radium	pCi/L	3.6E+00	1
HSB129D	Aluminum	µg/L	152	1
	Specific conductance	µS/cm	288	1
	Total alpha-emitting radium	pCi/L	3.3E+00[g]	1
	Total alpha-emitting radium	pCi/L	2.9E+00[g]	1
HSB130D	*Tritium*	pCi/mL	1.1E+01	1
HSB132D	Total organic halogens	µg/L	35	1
	Tritium	pCi/mL	2.0E+01	1

Aquifer Zone IIB_2 (Water Table)

Well	Constituent	Unit	2Q92	Flag
HSB134D	Aluminum	µg/L	244[c]	2
	Aluminum	µg/L	242[c]	2
	Manganese	µg/L	67[d]	2
	Manganese	µg/L	67[d]	2
	Total organic halogens	µg/L	38	1
HSB136D	Aluminum	µg/L	3,920	2
	Manganese	µg/L	400	2
HSB137D	Aluminum	µg/L	105[c]	1
	Aluminum	µg/L	105[c]	1
	Manganese	µg/L	69[d]	2
	Manganese	µg/L	70[d]	2
	Total alpha-emitting radium	pCi/L	3.6E+00	1
	Total organic carbon	µg/L	5,000	1
HSB139D	Manganese	µg/L	27	1
	Tritium	pCi/mL	1.7E+01	1
HSB140D	*Tritium*	pCi/mL	1.6E+01	1
HSB141D	Aluminum	µg/L	126	1
HSB142D	Aluminum	µg/L	142	1
HSB143D	*Tritium*	pCi/mL	1.3E+01	1
HSB145D	Aluminum	µg/L	411	2
	Carbonate	µg/L	17,400	2
	Manganese	µg/L	812	2
	Mercury	µg/L	1.9	1
	Specific conductance	µS/cm	285	1
HSB146D	*Tritium*	pCi/mL	1.9E+01	1
HSB148D	Aluminum	µg/L	937	2
	Carbonate	µg/L	29,000[h]	2
	Carbonate	µg/L	29,000[h]	2
	pH	pH	10	2
	Tritium	pCi/mL	1.4E+01[a]	1
	Tritium	pCi/mL	1.5E+01[a]	1
HSB149D	Carbonate	µg/L	2,670	2
HSB150D	Aluminum	µg/L	107	1
HSB152D	*Lead*	µg/L	8.4	1
	Manganese	µg/L	33	1
	Total organic halogens	µg/L	41	1

Aquifer Zone IIB_1 (Barnwell)

Well	Constituent	Unit	2Q92	Flag
HSB 68C	Iron	µg/L	234	1
	Lead	µg/L	9.4	1
	Manganese	µg/L	42	1
	Nitrate as nitrogen	µg/L	8,000	1
	Total organic carbon	µg/L	13,000	2
HSB 70C	pH	pH	11	2
	Specific conductance	µS/cm	318	1
HSB 71C	pH	pH	9.9	1
	Specific conductance	µS/cm	445	1
HSB 84C	Iron	µg/L	179	1
HSB 86C	Aluminum	µg/L	1,030	2
	Cobalt	µg/L	50	2
	Manganese	µg/L	2,470	2
	Nickel	µg/L	72	1
	Specific conductance	µS/cm	340	1
	Total organic halogens	µg/L	60	2
HSB102C	Manganese	µg/L	64	2
HSB103C	Aluminum	µg/L	173	1
	Manganese	µg/L	440	2
	Nonvolatile beta	pCi/L	2.9E+01	1
HSB104C	Aluminum	µg/L	363	2
	Nitrate as nitrogen	µg/L	5,700	1
	pH	pH	9.1[i]	1
	pH	pH	9.2[i]	1
HSB106C	*Nitrate as nitrogen*	µg/L	7,400	1
HSB107C	Iron	µg/L	283	1
	Manganese	µg/L	392	2
HSB108C	Total organic halogens	µg/L	29	1
HSB111C	Aluminum	µg/L	199	1
	Manganese	µg/L	39	1
	Nonvolatile beta	pCi/L	4.2E+01	1
HSB112C	Manganese	µg/L	29	1
HSB113C	Aluminum	µg/L	140	1
	Manganese	µg/L	52	2
	Total organic halogens	µg/L	134	2
HSB114C	Aluminum	µg/L	490	2
	Manganese	µg/L	174	2
	Specific conductance	µS/cm	450	1
	Total organic halogens	µg/L	61	2

Aquifer Zone IIB_1 (Barnwell)

Well	Constituent	Unit	2Q92	Flag
HSB115C	Aluminum	µg/L	139	1
	Manganese	µg/L	179	2
	Specific conductance	µS/cm	435	1
HSB116C	Aluminum	µg/L	161	1
	Cobalt	µg/L	70	2
	Manganese	µg/L	968	2
	Specific conductance	µS/cm	550	2
HSB117C	Aluminum	µg/L	388	2
	Manganese	µg/L	95	2
	Specific conductance	µS/cm	1,550	2
HSB127C	*Nitrate as nitrogen*	µg/L	9,900	1
	Specific conductance	µS/cm	258	1
HSB129C	Manganese	µg/L	47	1
	Nonvolatile beta	pCi/L	3.2E+01	1
HSB130C	pH	pH	8.0	1
HSB131C	pH	pH	8.0	1
HSB135C	Total organic halogens	µg/L	30	1
HSB136C	Manganese	µg/L	79	2
	Specific conductance	µS/cm	355	1
	Total alpha-emitting radium	pCi/L	3.3E+00	1
	Total organic halogens	µg/L	36	1
HSB137C	Manganese	µg/L	67	2
	Specific conductance	µS/cm	420	1
HSB139C	Aluminum	µg/L	135[c]	1
	Aluminum	µg/L	134[c]	1
	Manganese	µg/L	264[d]	2
	Manganese	µg/L	263[d]	2
	Nonvolatile beta	pCi/L	4.0E+01	1
	Specific conductance	uS/cm	340	1
HSB141C	Aluminum	µg/L	2,810	2
	Carbonate	µg/L	41,200[h]	2
	Carbonate	µg/L	48,400[h]	2
	pH	pH	12	2
	Specific conductance	µS/cm	1,100	2
HSB143C	*Tritium*	pCi/mL	1.1E+01	1
HSB145C	Carbonate	µg/L	24,700	2
	Manganese	µg/L	120	2
	Nonvolatile beta	pCi/L	4.7E+01	1
	Specific conductance	µS/cm	330	1

Aquifer Zone IIB_1 (Barnwell)

Well	Constituent	Unit	2Q92	Flag
HSB146C	Aluminum	µg/L	112	1
	Tritium	pCi/mL	1.1E+01	1
HSB148C	Aluminum	µg/L	988	2
	Carbonate	µg/L	29,000	2
	pH	pH	12	2
	Specific conductance	µS/cm	280	1
HSB151C	Aluminum	µg/L	107	1
	Nitrate as nitrogen	µg/L	8,110[j]	1
	Nitrate as nitrogen	µg/L	8,240[j]	1
	Total alpha-emitting radium	pCi/L	3.2E+00	1
HSB152C	Manganese	µg/L	37	1
	Nitrate as nitrogen	µg/L	8,600[j]	1
	Nitrate as nitrogen	µg/L	8,700[j]	1
	Nonvolatile beta	pCi/L	3.7E+01	1

Aquifer Zone IIB_1 (McBean)

Well	Constituent	Unit	2Q92	Flag
HSB 84B	pH	pH	9.5	1
HSB 85B	Aluminum	µg/L	2,170	2
	pH	pH	12[i]	2
	pH	pH	12[i]	2
	Specific conductance	uS/cm	520	2

Aquifer Unit IIA (Congaree)

Well	Constituent	Unit	2Q92	Flag
HSB 84A	*Total alpha-emitting radium*	pCi/L	4.3E+00[g]	1
	Total alpha-emitting radium	pCi/L	4.5E+00[g]	1
HSB117A	Manganese	µg/L	89	2
	Total organic halogens	µg/L	52	2
HSB118A	Antimony	µg/L	3.6	1
	Manganese	µg/L	54[d]	2
	Manganese	µg/L	53[d]	2
	Manganese	µg/L	59[d]	2
	Manganese	µg/L	60[d]	2
	Nitrate as nitrogen	µg/L	8,100[j]	1
	Nitrate as nitrogen	µg/L	8,050[j]	1
	Nitrate as nitrogen	µg/L	9,190[j]	1
	Nitrate as nitrogen	µg/L	9,060[j]	1
	Radium-228	pCi/L	7.6E+00	1

Aquifer Unit IIA (Congaree)

Well	Constituent	Unit	2Q92	Flag
HSB123A	pH	pH	8.4	1
HSB124AR	Manganese	µg/L	32	1
	Specific conductance	uS/cm	250	1
	Total alpha-emitting radium	pCi/L	3.2E+00	1
HSB139A	Total organic halogens	µg/L	25	1
HSB141A	Aluminum	µg/L	2,730	2
	Carbonate	µg/L	16,000	2
	pH	pH	12	2
	Specific conductance	uS/cm	800	2
	Total organic halogens	µg/L	26	1
HSB144A	Carbonate	µg/L	58,100	2
	Manganese	µg/L	46	1

Note: Constituents exceeding half the PDWS appear italicized.

[a] Duplicate samples of tritium.
[b] Duplicate samples of specific conductance.
[c] Duplicate samples of aluminum.
[d] Duplicate samples of manganese.
[e] Duplicate samples of nonvolatile beta.
[f] Flagging criteria for total radium was applied to total alpha-emitting radium.
[g] Duplicate samples of total alpha-emitting radium.
[h] Duplicate samples of carbonate.
[i] Duplicate samples of pH.
[j] Duplicate samples of nitrate as nitrogen.

Table 3. Groundwater Monitoring Results for Individual Wells

WELL HSB 65

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72425.6 E58432.0	33.281296 °N 81.653622 °W	242.4-212.4 ft msl	272.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 39.62 ft (12.08 m) below TOC
Water elevation: 232.38 ft (70.83 m) msl
Sp. conductance: 44 µS/cm
Water evacuated before sampling: 53 gal

Time: 13:25
pH: 4.2
Alkalinity: 0 mg/L
Water temperature: 19.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.9	pH	0	GE
		Specific conductance	40	µS/cm	0	GE
•		Turbidity	<0.10	NTU	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aluminum	37	µg/L	0	GE
		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	8.1	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzo[*a*]anthracene	<10	µg/L	0	GE
		Benzo[*b*]fluoranthene	<10	µg/L	0	GE
		Benzo[*k*]fluoranthene	<10	µg/L	0	GE
		Benzo[*g,h,i*]perylene	<10	µg/L	0	GE
		Benzo[*a*]pyrene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	618	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	4,170	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 65 collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	61	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Dibenz[*a,h*]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[*1,2,3-c,d*]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 65 collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Isophorone	<10	µg/L	0	GE
		Lead	11	µg/L	1	GE
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Magnesium	901	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	2,940	µg/L	0	GE
		Nitrate as nitrogen	2,980	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodipropylamine	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,220	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,500	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2 0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	19,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE

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WELL HSB 65 collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Zinc	12	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.1E+00 ± 7.0E-01	pCi/L	0	GE
	■	Tritium	3.3E+01 ± 9.0E-01	pCi/mL	2	GE

WELL HSB 65A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72436.2 E58436.0	33.281326 °N 81.653633 °W	73.2-62.5 ft msl	273.6 ft msl	4" PVC	L. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 101.67 ft (30.99 m) below TOC
Water elevation: 171.93 ft (52.40 m) msl
Sp. conductance: 210 µS/cm
Water evacuated before sampling: 287 gal

Time: 14:05
pH: 7.0
Alkalinity: 80 mg/L
Water temperature: 20.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.5	pH	0	GE
		Specific conductance	170	µS/cm	0	GE
•		Turbidity	<0.10	NTU	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aluminum	27	µg/L	0	GE
		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	48	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzo[*a*]anthracene	<10	µg/L	0	GE
		Benzo[*b*]fluoranthene	<10	µg/L	0	GE
		Benzo[*k*]fluoranthene	<10	µg/L	0	GE
		Benzo[*g,h,i*]perylene	<10	µg/L	0	GE
		Benzo[*a*]pyrene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE

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WELL HSB 65A collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	38,200	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	2,770	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Dibenz[*a,h*]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.3	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE

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WELL HSB 65A collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[*1,2,3-c,d*]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Magnesium	797	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	160	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodipropylamine	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,220	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	28,400	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,850	µg/L	0	GE
		Sulfate	5,400	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	133,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	11	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE

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WELL HSB 65A collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	3.0E+01 ± 9.0E-01	pCi/mL	2	GE

WELL HSB 65B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72445.6 E58439.4	33.281352 °N 81.653642 °W	133.3-123.3 ft msl	273.7 ft msl	4" PVC	McBean (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 49.23 ft (15.01 m) below TOC
Water elevation: 224.47 ft (68.42 m) msl
Sp. conductance: 205 µS/cm
Water evacuated before sampling: 265 gal
Time: 13:05
pH: 7.4
Alkalinity: 95 mg/L
Water temperature: 19.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	8.0	pH	0	GE
		Specific conductance	168	µS/cm	0	GE
•		Turbidity	0.48	NTU	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aluminum	31	µg/L	0	GE
		Aluminum	31	µg/L	0	GE
		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	15	µg/L	0	GE
		Barium	15	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE

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WELL HSB 65B collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Benzo[*a*]anthracene	<10	µg/L	0	GE
		Benzo[*b*]fluoranthene	<10	µg/L	0	GE
		Benzo[*k*]fluoranthene	<10	µg/L	0	GE
		Benzo[*g,h,i*]perylene	<10	µg/L	0	GE
		Benzo[*a*]pyrene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	36,800	µg/L	0	GE
		Calcium	37,400	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	2,620	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Dibenz[*a,h*]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.6	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 65B collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[*1,2,3-c,d*]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Magnesium	790	µg/L	0	GE
		Magnesium	794	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodipropylamine	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 65B collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	550	µg/L	0	GE
		Potassium	581	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	18,100	µg/L	0	GE
		Silica	18,300	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,770	µg/L	0	GE
		Sodium	1,780	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	3.6	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	120,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

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WELL HSB 65C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72439.6 E58447.1	33.281351 °N 81.653610 °W	218.6-207.8 ft msl	273.6 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: .95 ft (12.48 m) below TOC
Water elevation: 232.65 ft (70.91 m) msl
Sp. conductance: 59 µS/cm
Water evacuated before sampling: 65 gal
Time: 12:45
pH: 4.3
Alkalinity: 0 mg/L
Water temperature: 20.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.1	pH	0	GE
		Specific conductance	50	µS/cm	0	GE
•		Turbidity	<0.10	NTU	0	GE
•		Turbidity	<0.10	NTU	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aluminum	29	µg/L	0	GE
		Anthracene	<10	µg/L	0	GE
		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	7.1	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzo[*a*]anthracene	<10	µg/L	0	GE
		Benzo[*a*]anthracene	<10	µg/L	0	GE
		Benzo[*b*]fluoranthene	<10	µg/L	0	GE
		Benzo[*b*]fluoranthene	<10	µg/L	0	GE
		Benzo[*k*]fluoranthene	<10	µg/L	0	GE
		Benzo[*k*]fluoranthene	<10	µg/L	0	GE
		Benzo[*g,h,i*]perylene	<10	µg/L	0	GE
		Benzo[*g,h,i*]perylene	<10	µg/L	0	GE
		Benzo[*a*]pyrene	<10	µg/L	0	GE
		Benzo[*a*]pyrene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE

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WELL HSB 65C collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,290	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	5,450	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	6.5	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Dibenz[*a,h*]anthracene	<10	µg/L	0	GE
		Dibenz[*a,h*]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE

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WELL HSB 65C collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	2.2	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[*1,2,3-c,d*]pyrene	<10	µg/L	0	GE
		Indeno[*1,2,3-c,d*]pyrene	<10	µg/L	0	GE

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WELL HSB 65C collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Iron	16	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Magnesium	730	µg/L	0	GE
		Manganese	9.4	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	5,700	µg/L	1	GE
		Nitrobenzene	<10	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodipropylamine	<10	µg/L	0	GE
		N-Nitrosodipropylamine	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 65C collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Sodium	6,960	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	2.9	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	39,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<10	µg/L	0	GE
		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Zinc	13	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	2.7E+01 ± 9.0E-01	pCi/mL	2	GE

WELL HSB 66

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72429.2 E56928.3	33.278850 °N 81.657589 °W	228.1-198.1 ft msl	280.2 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 55.42 ft (16.89 m) below TOC
Water elevation: 224.78 ft (68.51 m) msl
Sp. conductance: 27 µS/cm
Water evacuated before sampling: 70 gal
Time: 8:45
pH: 4.3
Alkalinity: 0 mg/L
Water temperature: 18.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.8	pH	0	GE
•		pH	5.1	pH	0	GE
•		pH	5.1	pH	0	WA
•		pH	5.1	pH	0	WA

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 66 collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Specific conductance	28	µS/cm	0	GE
		Specific conductance	30	µS/cm	0	GE
	•	Specific conductance	24	µS/cm	0	WA
	•	Specific conductance	25	µS/cm	0	WA
		Aluminum	38	µg/L	0	GE
		Aluminum	40	µg/L	0	GE
		Aluminum	38	µg/L	0	WA
		Aluminum	36	µg/L	0	WA
		Aluminum	34	µg/L	0	WA
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.6	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	WA
		Barium	<3.0	µg/L	0	GE
		Barium	<3.0	µg/L	0	GE
		Barium	<4.0	µg/L	0	WA
		Barium	<4.0	µg/L	0	WA
		Barium	<4.0	µg/L	0	WA
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	0.53	µg/L	0	WA
		Cadmium	<0.35	µg/L	0	WA
		Cadmium	0.38	µg/L	0	WA
		Calcium	970	µg/L	0	GE
		Calcium	999	µg/L	0	GE
		Calcium	1,030	µg/L	0	WA
		Calcium	1,020	µg/L	0	WA
		Calcium	1,030	µg/L	0	WA
		Chloride	2,640	µg/L	0	GE
		Chloride	2,740	µg/L	0	GE
		Chloride	2,710	µg/L	0	GE
		Chloride	3,680	µg/L	0	WA
		Chloride	3,520	µg/L	0	WA
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<1.1	µg/L	0	WA
		Chromium	1.5	µg/L	0	WA
		Chromium	2.4	µg/L	0	WA
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	1.1	µg/L	0	WA
		Cobalt	1.0	µg/L	0	WA
		Cobalt	1.1	µg/L	0	WA
		Copper	16	µg/L	0	GE
		Copper	17	µg/L	0	GE
		Copper	12	µg/L	0	WA
		Copper	13	µg/L	0	WA
		Copper	13	µg/L	0	WA
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 66 collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	WA
		Cyanide	<5.0	µg/L	0	WA
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	WA
		Fluoride	<100	µg/L	0	WA
		Fluoride	<100	µg/L	0	WA
		Iron	<4.0	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Iron	7.2	µg/L	0	WA
		Iron	9.4	µg/L	0	WA
		Iron	4.4	µg/L	0	WA
		Lead	4.1	µg/L	0	GE
		Lead	3.4	µg/L	0	GE
		Lead	5.0	µg/L	0	WA
		Lead	4.5	µg/L	0	WA
	■	Lead	28	µg/L	2	WA
		Magnesium	426	µg/L	0	GE
		Magnesium	426	µg/L	0	GE
		Magnesium	421	µg/L	0	WA
		Magnesium	427	µg/L	0	WA
		Magnesium	427	µg/L	0	WA
		Manganese	6.3	µg/L	0	GE
		Manganese	6.4	µg/L	0	GE
		Manganese	6.2	µg/L	0	WA
		Manganese	6.2	µg/L	0	WA
		Manganese	6.5	µg/L	0	WA
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	WA
		Nickel	<4.0	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nickel	<3.1	µg/L	0	WA
		Nickel	<3.1	µg/L	0	WA
		Nickel	<3.1	µg/L	0	WA
		Nitrate as nitrogen	1,350	µg/L	0	GE
		Nitrate as nitrogen	1,410	µg/L	0	GE
		Nitrate as nitrogen	1,580	µg/L	0	WA
		Nitrate as nitrogen	1,590	µg/L	0	WA
		Potassium	<500	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Potassium	185	µg/L	0	WA
		Potassium	205	µg/L	0	WA
		Potassium	334	µg/L	0	WA
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	WA
		Selenium	<2.0	µg/L	0	WA
		Selenium	<2.0	µg/L	0	WA
		Silica	9,460	µg/L	0	GE
		Silica	9,500	µg/L	0	GE
		Silica	9,140	µg/L	0	WA
		Silica	9,110	µg/L	0	WA
		Silica	8,920	µg/L	0	WA

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WELL HSB 66 collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<0.70	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Sodium	2,380	µg/L	0	GE
		Sodium	2,380	µg/L	0	GE
		Sodium	2,350	µg/L	0	WA
		Sodium	2,370	µg/L	0	WA
		Sodium	2,410	µg/L	0	WA
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	288	µg/L	0	WA
		Sulfate	253	µg/L	0	WA
		Total dissolved solids	28,000	µg/L	0	GE
		Total dissolved solids	26,000	µg/L	0	GE
		Total dissolved solids	26,000	µg/L	0	WA
		Total dissolved solids	30,000	µg/L	0	WA
		Total dissolved solids	31,000	µg/L	0	WA
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	1,000	µg/L	0	WA
		Total organic carbon	1,280	µg/L	0	WA
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	12	µg/L	0	GE
		Total organic halogens	33	µg/L	1	WA
		Total organic halogens	<5.0	µg/L	0	WA
		Total phosphates (as P)	90	µg/L	0	GE
		Total phosphates (as P)	140	µg/L	0	GE
		Total phosphates (as P)	90	µg/L	0	WA
		Total phosphates (as P)	93	µg/L	0	WA
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<0.88	µg/L	0	WA
		Zinc	7.5	µg/L	0	GE
		Zinc	8.4	µg/L	0	GE
		Zinc	15	µg/L	0	WA
		Zinc	14	µg/L	0	WA
		Zinc	14	µg/L	0	WA
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	2.4E+00 ± 1.1E+00	pCi/L	0	TM
		Gross alpha	2.8E+00 ± 1.2E+00	pCi/L	0	TM
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<1.1E+00	pCi/L	0	TM
		Nonvolatile beta	1.9E+00 ± 1.0E+00	pCi/L	0	TM
		Radium-226	7.2E-01 ± 3.4E-01	pCi/L	0	TM
		Radium-226	2.3E-01 ± 1.8E-01	pCi/L	0	TM
		Radium-228	4.2E-01 ± 4.2E-01	pCi/L	0	TM
		Radium-228	1.2E+00 ± 6.6E-01	pCi/L	0	TM
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE

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WELL HSB 66 collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total alpha-emitting radium	1.7E+00 ± 1.1E+00	pCi/L	0	GE
		Tritium	1.1E+01 ± 6.0E-01	pCi/mL	1	GE
		Tritium	1.1E+01 ± 6.0E-01	pCi/mL	1	GE
		Tritium	1.0E+01 ± 1.6E+00	pCi/mL	1	TM
		Tritium	1.0E+01 ± 3.7E+00	pCi/mL	1	TM

WELL HSB 67

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71505.0 E58424.3	33.279247 °N 81.651855 °W	230.7-200.7 ft msl	237.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/06/92
Depth to water: 13.81 ft (4.21 m) below TOC
Water elevation: 223.99 ft (68.27 m) msl
Sp. conductance: 149 µS/cm
Water evacuated before sampling: 61 gal

Time: 15:35
pH: 3.9
Alkalinity: 0 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.3	pH	0	GE
		Specific conductance	120	µS/cm	0	GE
		Specific conductance	122	µS/cm	0	GE
		Aluminum	1,410	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	38	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,640	µg/L	0	GE
		Chloride	2,420	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	21	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
		Fluoride	162	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,140	µg/L	0	GE
		Manganese	220	µg/L	2	GE
		Mercury	1.9	µg/L	1	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	11,400	µg/L	2	GE
	■	Nitrate as nitrogen	11,600	µg/L	2	GE
		Potassium	501	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 67 collected on 04/06/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Selenium	<2.0	µg/L	0	GE
		Silica	7,410	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	11,900	µg/L	0	GE
		Sulfate	2,020	µg/L	0	GE
•		Total dissolved solids	92,000	µg/L	0	GE
•		Total dissolved solids	87,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	11	µg/L	0	GE
	■	Gross alpha	2.3E+01 ± 2.7E+00	pCi/L	2	GE
	■	Nonvolatile beta	2.1E+03 ± 2.0E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	4.7E+01 ± 1.9E+00	pCi/L	2	GE
	■	Tritium	4.3E+03 ± 1.0E+01	pCi/mL	2	GE

WELL HSB 67

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71505.0 E58424.3	33.279247 °N 81.651855 °W	230.7-200.7 ft msl	237.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/01/92
Depth to water: 14.48 ft (4.41 m) below TOC
Water elevation: 223.32 ft (68.07 m) msl
Sp. conductance: 140 µS/cm
Water evacuated before sampling: 59 gal

Time: 13:00
pH: 3.9
Alkalinity: 0 mg/L
Water temperature: 19.5°C

WELL HSB 67

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71505.0 E58424.3	33.279247 °N 81.651855 °W	230.7-200.7 ft msl	237.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/08/92
Depth to water: 14.54 ft (4.43 m) below TOC
Water elevation: 223.26 ft (68.05 m) msl
Sp. conductance: 142 µS/cm
Water evacuated before sampling: 59 gal

Time: 9:10
pH: 3.7
Alkalinity: 0 mg/L
Water temperature: 19.3°C

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 68

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71528.0 E56901.0	33.276813 °N 81.655911 °W	243.3-213.3 ft msl	250.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 28.45 ft (8.67 m) below TOC
Water elevation: 221.65 ft (67.56 m) msl
Sp. conductance: 397 µS/cm
Water evacuated before sampling: 22 gal

Time: 12:45
pH: 3.8
Alkalinity: 0 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	3.9	pH	1	GE
		Specific conductance	310	µS/cm	1	GE
		Aluminum	5,650	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	136	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	4,090	µg/L	0	GE
		Chloride	2,120	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	15	µg/L	0	GE
		Copper	55	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	673	µg/L	0	GE
		Fluoride	697	µg/L	0	GE
		Iron	18	µg/L	0	GE
		Lead	7.8	µg/L	1	GE
		Magnesium	2,020	µg/L	0	GE
		Manganese	1,040	µg/L	2	GE
	■	Mercury	2.6	µg/L	2	GE
		Nickel	31	µg/L	0	GE
	■	Nitrate as nitrogen	40,100	µg/L	2	GE
		Potassium	2,060	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	16,400	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	35,600	µg/L	0	GE
		Sulfate	2,360	µg/L	0	GE
		Total dissolved solids	273,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	60	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	76	µg/L	0	GE
	■	Gross alpha	6.9E+01 ± 5.6E+00	pCi/L	2	GE
	■	Nonvolatile beta	9.4E+03 ± 5.0E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	1.3E+02 ± 4.0E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	1.3E+02 ± 4.0E+00	pCi/L	2	GE

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WELL HSB 68 collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
	■	Tritium	9.4E+03 ± 1.5E+01	pCi/mL	2	GE

WELL HSB 68A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71526.9 E56892.1	33.276796 °N 81.655932 °W	58.0-47.5 ft msl	249.4 ft msl	4" PVC	Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 76.97 ft (23.46 m) below TOC
Water elevation: 172.43 ft (52.56 m) msl
Sp. conductance: 139 µS/cm
Water evacuated before sampling: 328 gal
Time: 13:30
pH: 6.6
Alkalinity: 56 mg/L
Water temperature: 19.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.8	pH	0	GE
		Specific conductance	135	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	25	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	23,700	µg/L	0	GE
		Chloride	2,550	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	138	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	574	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	1,010	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	25,500	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,730	µg/L	0	GE
		Sulfate	5,650	µg/L	0	GE
		Total dissolved solids	89,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	250	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 68A collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	8.5E+00 ± 7.6E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	9.2E-01 ± 3.0E-01	pCi/mL	0	GE
		Tritium	9.4E-01 ± 3.0E-01	pCi/mL	0	GE

WELL HSB 68B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71525.5 E56882.1	33.276776 °N 81.655956 °W	134.5-123.5 ft msl	250.0 ft msl	4" PVC	McBean (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 33.18 ft (10.11 m) below TOC
Water elevation: 216.82 ft (66.09 m) msl
Sp. conductance: 127 µS/cm
Water evacuated before sampling: 47 gal
The well went dry during purging.

Time: 9:30
pH: 8.4
Alkalinity: 49 mg/L
Water temperature: 18.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.7	pH	0	GE
		Specific conductance	200	µS/cm	0	GE
		Aluminum	30	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	61	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	21,000	µg/L	0	GE
		Chloride	2,930	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	307	µg/L	0	GE
		Iron	11	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	440	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,390	µg/L	0	GE
		Potassium	809	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	17,300	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,700	µg/L	0	GE
		Sulfate	1,610	µg/L	0	GE
		Total dissolved solids	128,000	µg/L	0	GE
		Total dissolved solids	122,000	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 68B collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total organic carbon	1,260	µg/L	0	GE
		Total organic halogens	7.2	µg/L	0	GE
		Total phosphates (as P)	410	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	5.0E+00 ± 7.6E-01	pCi/L	0	GE
		Nonvolatile beta	1.4E+01 ± 1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.9E+00 ± 9.0E-01	pCi/L	0	GE
	■	Tritium	1.9E+02 ± 2.2E+00	pCi/mL	2	GE

WELL HSB 68C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71524.1 E56872.7	33.276758 °N 81.655978 °W	179.5-168.4 ft msl	250.1 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 32.23 ft (9.82 m) below TOC
Water elevation: 217.87 ft (66.41 m) msl
Sp. conductance: 104 µS/cm
Water evacuated before sampling: 20 gal
The well went dry during purging.

Time: 9:40
pH: 5.3
Alkalinity: 8 mg/L
Water temperature: 19.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.7	pH	0	GE
		Specific conductance	90	µS/cm	0	GE
		Aluminum	27	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	14	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	4,520	µg/L	0	GE
		Chloride	3,160	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	181	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	234	µg/L	1	GE
		Lead	9.4	µg/L	1	GE
		Magnesium	999	µg/L	0	GE
		Manganese	42	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	8,000	µg/L	1	GE
		Potassium	556	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 68C collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Sodium	12,500	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	97,000	µg/L	0	GE
		Total organic carbon	13,000	µg/L	2	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	175	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.1E+00 ± 1.0E+00	pCi/L	0	GE
	■	Tritium	2.3E+03 ± 7.4E+00	pCi/mL	2	GE

WELL HSB 69

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71546.9 E56475.1	33.276160 °N 81.657069 °W	229.0-199.0 ft msl	236.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 16.30 ft (4.97 m) below TOC
Water elevation: 219.70 ft (66.97 m) msl
Sp. conductance: 234 µS/cm
Water evacuated before sampling: 54 gal
Time: 10:45
pH: 3.7
Alkalinity: 0 mg/L
Water temperature: 18.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.1	pH	0	GE
		Specific conductance	212	µS/cm	0	GE
		Aluminum	4,380	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	110	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	5,130	µg/L	0	GE
		Chloride	1,700	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	13	µg/L	0	GE
		Copper	20	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	577	µg/L	0	GE
		Iron	6.2	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	2,760	µg/L	0	GE
		Manganese	668	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	23	µg/L	0	GE
	■	Nitrate as nitrogen	21,000	µg/L	2	GE
		Potassium	1,480	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 69 collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Selenium	<2.0	µg/L	0	GE
		Silica	16,400	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	7,620	µg/L	0	GE
		Sulfate	2,550	µg/L	0	GE
		Total dissolved solids	92,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	14	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	69	µg/L	0	GE
	■	Gross alpha	2.4E+01 ± 1.4E+00	pCi/L	2	GE
	■	Nonvolatile beta	5.0E+03 ± 1.6E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	9.7E+01 ± 5.6E+00	pCi/L	2	GE
	■	Tritium	1.1E+03 ± 5.1E+00	pCi/mL	2	GE
	■	Tritium	1.1E+03 ± 5.2E+00	pCi/mL	2	GE

WELL HSB 69

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71546.9 E56475.1	33.276160 °N 81.657069 °W	229.0-199.0 ft msl	236.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/01/92
Depth to water: 17.07 ft (5.20 m) below TOC
Water elevation: 218.93 ft (66.73 m) msl
Sp. conductance: 231 µS/cm
Water evacuated before sampling: 52 gal

Time: 10:40
pH: 3.6
Alkalinity: 0 mg/L
Water temperature: 18.8°C

WELL HSB 69

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71546.9 E56475.1	33.276160 °N 81.657069 °W	229.0-199.0 ft msl	236.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/08/92
Depth to water: 17.15 ft (5.23 m) below TOC
Water elevation: 218.85 ft (66.71 m) msl
Sp. conductance: 244 µS/cm
Water evacuated before sampling: 52 gal

Time: 7:55
pH: 3.4
Alkalinity: 0 mg/L
Water temperature: 19.0°C

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 69A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71549.4 E58465.1	33.276149 °N 81.657100 °W	93.1-83.1 ft msl	236.6 ft msl		M. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 63.92 ft (19.48 m) below TOC
Water elevation: 172.68 ft (52.63 m) msl
Sp. conductance: 165 µS/cm
Water evacuated before sampling: 235 gal

Time: 11:05
pH: 6.7
Alkalinity: 56 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.8	pH	0	GE
		Specific conductance	145	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	26	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	28,600	µg/L	0	GE
		Chloride	2,540	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	164	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	755	µg/L	0	GE
		Manganese	13	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	809	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	29,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,950	µg/L	0	GE
		Sulfate	6,050	µg/L	0	GE
		Total dissolved solids	125,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	260	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.4E+00 ± 5.5E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 70

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72606.9 E55758.9	33.277336 °N 81.661013 °W	235.7-205.7 ft msl	242.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/21/92
Depth to water: 18.43 ft (5.62 m) below TOC
Water elevation: 224.37 ft (68.39 m) msl
Sp. conductance: 61 µS/cm
Water evacuated before sampling: 49 gal

Time: 14:30
pH: 4.7
Alkalinity: 0 mg/L
Water temperature: 19.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.5	pH	0	GE
		Specific conductance	68	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	63	µg/L	0	GE
		Barium	63	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	4,250	µg/L	0	GE
		Calcium	4,280	µg/L	0	GE
		Chloride	2,920	µg/L	0	GE
		Chloride	2,890	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	504	µg/L	0	GE
		Copper	503	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	28	µg/L	0	GE
		Iron	29	µg/L	0	GE
	■	Lead	22	µg/L	2	GE
		Magnesium	1,730	µg/L	0	GE
		Magnesium	1,720	µg/L	0	GE
		Manganese	13	µg/L	0	GE
		Manganese	13	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	6.1	µg/L	0	GE
		Nickel	5.8	µg/L	0	GE
		Nitrate as nitrogen	950	µg/L	0	GE
		Potassium	830	µg/L	0	GE
		Potassium	842	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,290	µg/L	0	GE
		Silica	6,300	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 70 collected on 04/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Silver	<2.0	µg/L	0	GE
		Sodium	2,380	µg/L	0	GE
		Sodium	2,370	µg/L	0	GE
		Sulfate	5,520	µg/L	0	GE
		Sulfate	5,590	µg/L	0	GE
		Total dissolved solids	33,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	22	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	72	µg/L	0	GE
		Zinc	73	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	8.7E+00 ± 1.8E+00	pCi/L	0	GE
	■	Total alpha-emitting radium	7.0E+00 ± 1.7E+00	pCi/L	2	GE
	■	Tritium	7.6E+01 ± 1.4E+00	pCi/mL	2	GE

WELL HSB 70C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72597.3 E55757.1	33.277311 °N 81.660999 °W	174.9-164.9 ft msl	243.1 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 19.71 ft (6.01 m) below TOC
Water elevation: 223.39 ft (68.09 m) msl
Sp. conductance: 608 µS/cm
Water evacuated before sampling: 28 gal
The well went dry during purging.

Time: 9:20
pH: 11.1
Alkalinity: 43 mg/L
Water temperature: 18.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	11	pH	2	GE
		Specific conductance	318	µS/cm	1	GE
		Aluminum	41	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	105	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	27,600	µg/L	0	GE
		Chloride	3,490	µg/L	0	GE
		Chloride	3,510	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 70C collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Magnesium	785	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	27,000	µg/L	2	GE
		Potassium	8,020	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,140	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	29,700	µg/L	0	GE
		Sulfate	2,460	µg/L	0	GE
		Sulfate	2,510	µg/L	0	GE
		Total dissolved solids	259,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	7.6E+01 ± 1.4E+00	pCi/L	2	GE
		Total alpha-emitting radium	2.0E+00 ± 1.2E+00	pCi/L	0	GE
	■	Tritium	3.0E+03 ± 8.6E+00	pCi/mL	2	GE
	■	Tritium	3.1E+03 ± 8.7E+00	pCi/mL	2	GE

WELL HSB 71

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72875.9 E55279.2	33.277148 °N 81.662799 °W	234.8-204.8 ft msl	241.4 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 17.07 ft (5.20 m) below TOC
Water elevation: 224.33 ft (68.38 m) msl
Sp. conductance: 25 µS/cm
Water evacuated before sampling: 51 gal
Time: 10:25
pH: 4.5
Alkalinity: 0 mg/L
Water temperature: 17.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.2	pH	0	GE
		Specific conductance	20	µS/cm	0	GE
		Aluminum	43	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	<3.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	395	µg/L	0	GE
		Chloride	2,750	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 71 collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Copper	95	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	11	µg/L	0	GE
		Lead	5.8	µg/L	0	GE
		Magnesium	424	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	800	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,070	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,150	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	11,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	8.9	µg/L	0	GE
		Total phosphates (as P)	100	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	22	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	1.1E+02 ± 1.6E+00	pCi/mL	2	GE

WELL HSB 71C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72866.6 E55281.5	33.277131 °N 81.662775 °W	181.9-171.9 ft msl	241.6 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 18.52 ft (5.64 m) below TOC
Water elevation: 223.08 ft (68.00 m) msl
Sp. conductance: 476 µS/cm
Water evacuated before sampling: 23 gal
The well went dry during purging.

Time: 9:10
pH: 9.5
Alkalinity: 22 mg/L
Water temperature: 16.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	9.9	pH	1	GE
		Specific conductance	445	µS/cm	1	GE
		Aluminum	96	µg/L	0	GE
		Aluminum	99	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 71C collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Barium	81	µg/L	0	GE
		Barium	81	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	17,100	µg/L	0	GE
		Calcium	16,800	µg/L	0	GE
●		Chloride	4,880	µg/L	0	GE
●		Chloride	4,680	µg/L	0	GE
		Chromium	4.7	µg/L	0	GE
		Chromium	5.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	181	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	3,730	µg/L	0	GE
		Magnesium	3,710	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	51,000	µg/L	2	GE
		Potassium	5,550	µg/L	0	GE
		Potassium	5,550	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,460	µg/L	0	GE
		Silica	5,410	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	63,700	µg/L	0	GE
		Sodium	63,400	µg/L	0	GE
●		Sulfate	<1,000	µg/L	0	GE
●		Sulfate	<1,000	µg/L	0	GE
●		Total dissolved solids	369,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
●		Total organic halogens	23	µg/L	0	GE
		Total phosphates (as P)	110	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	5.5E+00 ± 1.4E+00	pCi/L	0	GE
	■	Nonvolatile beta	1.9E+02 ± 4.7E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	5.9E+00 ± 1.3E+00	pCi/L	2	GE
	■	Tritium	8.3E+03 ± 1.4E+01	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 83A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71648.6 E58606.1	33.279861 °N 81.651655 °W	76.0-65.2 ft msl	237.3 ft msl	4" PVC	M. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/27/92
Depth to water: 63.62 ft (19.39 m) below TOC
Water elevation: 173.68 ft (52.94 m) msl
Sp. conductance: 189 µS/cm
Water evacuated before sampling: 285 gal

Time: 11:50
pH: 6.4
Alkalinity: 77 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.4	pH	0	GE
		Specific conductance	180	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	31	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	35,800	µg/L	0	GE
		Chloride	2,430	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	783	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	1,010	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	27,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,760	µg/L	0	GE
		Sulfate	5,650	µg/L	0	GE
		Total dissolved solids	125,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 83B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71639.6 E58594.9	33.279823 °N 81.651667 °W	132.1-121.2 ft msl	237.0 ft msl	4" PVC	McBean (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/27/92
Depth to water: 14.00 ft (4.27 m) below TOC
Water elevation: 223.00 ft (67.97 m) msl
Sp. conductance: 115 µS/cm
Water evacuated before sampling: 267 gal

Time: 11:40
pH: 6.1
Alkalinity: 46 mg/L
Water temperature: 18.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.1	pH	0	GE
		Specific conductance	115	µS/cm	0	GE
		Specific conductance	115	µS/cm	0	GE
		Aluminum	31	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	37	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	19,100	µg/L	0	GE
		Chloride	2,510	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	168	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	569	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	811	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	28,800	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,500	µg/L	0	GE
		Sulfate	1,260	µg/L	0	GE
		Total dissolved solids	87,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	460	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	9.1	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	2.2E+00 ± 3.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 83C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71636.9 E58614.8	33.279849 °N 81.651609 °W	171.2-160.2 ft msl	237.1 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/27/92
Depth to water: 12.26 ft (3.74 m) below TOC
Water elevation: 224.84 ft (68.53 m) msl
Sp. conductance: 22 µS/cm
Water evacuated before sampling: 170 gal

Time: 12:25
pH: 4.4
Alkalinity: 1 mg/L
Water temperature: 18.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.7	pH	0	GE
		Specific conductance	25	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	<3.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,160	µg/L	0	GE
		Chloride	2,510	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	7.3	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	4.3	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	463	µg/L	0	GE
		Manganese	6.8	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	70	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	14,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,630	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	32,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic haiogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	8.5	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 83D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71628.1 E58601.7	33.279809 °N 81.651627 °W	228.7-198.7 ft msl	237.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/27/92
Depth to water: 12.18 ft (3.71 m) below TOC
Water elevation: 224.82 ft (68.53 m) msl
Sp. conductance: 88 µS/cm
Water evacuated before sampling: 69 gal

Time: 12:10
pH: 4.2
Alkalinity: 0 mg/L
Water temperature: 17.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.3	pH	0	GE
		Specific conductance	85	µS/cm	0	GE
		Aluminum	65	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	28	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	2,700	µg/L	0	GE
		Chloride	2,490	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	27	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	35	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,450	µg/L	0	GE
		Manganese	45	µg/L	1	GE
		Mercury	0.77	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	830	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,540	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	10,400	µg/L	0	GE
		Sulfate	1,400	µg/L	0	GE
		Total dissolved solids	71,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	5.4	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	37	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	4.3E+01 ± 1.5E+00	pCi/L	1	GE
		Total alpha-emitting radium	1.7E+00 ± 8.0E-01	pCi/L	0	GE
	■	Tritium	1.0E+03 ± 4.9E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 84A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71586.2 E56359.1	33.276057 °N 81.657450 °W	75.9-64.7 ft msl	228.7 ft msl	4" PVC	L. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/21/92
Depth to water: 56.43 ft (17.20 m) below TOC
Water elevation: 172.27 ft (52.51 m) msl
Sp. conductance: 114 µS/cm
Water evacuated before sampling: 282 gal
Time: 15:35
pH: 6.3
Alkalinity: 34 mg/L
Water temperature: 19.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.2	pH	0	GE
		Specific conductance	108	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	3.2	µg/L	0	GE
		Barium	29	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	17,600	µg/L	0	GE
		Chloride	2,550	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	217	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	706	µg/L	0	GE
		Manganese	14	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	90	µg/L	0	GE
		Nitrate as nitrogen	90	µg/L	0	GE
		Potassium	992	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	26,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,130	µg/L	0	GE
		Sulfate	5,820	µg/L	0	GE
		Total dissolved solids	82,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	19	µg/L	0	GE
		Total phosphates (as P)	440	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	1.7E+02 ± 6.1E+00	pCi/L	2	GE
		Total alpha-emitting radium	4.3E+00 ± 8.0E-01	pCi/L	1	GE
		Total alpha-emitting radium	4.5E+00 ± 9.0E-01	pCi/L	1	GE
	■	Tritium	4.2E+01 ± 1.1E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 84B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71603.3 E56352.4	33.276084 °N 81.657501 °W	132.9-121.8 ft msl	228.9 ft msl	4" PVC	McBean (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 18.08 ft (5.51 m) below TOC
Water elevation: 210.82 ft (64.26 m) msl
Sp. conductance: 128 µS/cm
Water evacuated before sampling: 50 gal
The well went dry during purging.

Time: 9:55
pH: 9.6
Alkalinity: 45 mg/L
Water temperature: 18.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	9.5	pH	1	GE
		Specific conductance	120	µS/cm	0	GE
		Aluminum	35	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	34	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	18,800	µg/L	0	GE
		Chloride	2,660	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	108	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	278	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	900	µg/L	0	GE
		Potassium	3,120	µg/L	0	GE
		Selenium	<4.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	33,400	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,510	µg/L	0	GE
		Sulfate	3,000	µg/L	0	GE
		Total dissolved solids	100,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	110	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	5.0E+00 ± 6.0E-01	pCi/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 84B collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	8.6E+01 ± 1.5E+00	pCi/mL	2	GE

WELL HSB 84C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71597.1 E56360.1	33.276083 °N 81.657469 °W	181.8-170.9 ft msl	229.1 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 15.28 ft (4.66 m) below TOC
Water elevation: 213.82 ft (65.17 m) msl
Sp. conductance: 90 µS/cm
Water evacuated before sampling: 16 gal
The well went dry during purging.

Time: 10:10
pH: 7.1
Alkalinity: 24 mg/L
Water temperature: 19.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
●		pH	7.4	pH	0	GE
		Specific conductance	80	µS/cm	0	GE
		Aluminum	29	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	16	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	10,400	µg/L	0	GE
		Chloride	3,770	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	179	µg/L	1	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	702	µg/L	0	GE
		Manganese	3.3	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,840	µg/L	0	GE
		Potassium	1,620	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,280	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	51,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	7.9	µg/L	0	GE
		Total phosphates (as P)	60	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 84C collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Zinc	58	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	6.5E+00 ± 6.4E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	4.0E+02 ± 3.1E+00	pCi/mL	2	GE

WELL HSB 84D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71583.9 E56349.9	33.276037 °N 81.657470 °W	219.5-199.5 ft msl	228.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/21/92
Depth to water: 9.89 ft (3.01 m) below TOC
Water elevation: 218.91 ft (66.72 m) msl
Sp. conductance: 119 µS/cm
Water evacuated before sampling: 51 gal
Time: 15:05
pH: 3.9
Alkalinity: 0 mg/L
Water temperature: 19.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.2	pH	0	GE
		Specific conductance	112	µS/cm	0	GE
		Aluminum	1,850	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	24	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,470	µg/L	0	GE
		Chloride	2,680	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	7.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	260	µg/L	0	GE
		Iron	4.4	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	588	µg/L	0	GE
		Manganese	131	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	10,200	µg/L	2	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	7,640	µg/L	0	GE
		Sulfate	2,970	µg/L	0	GE
		Total dissolved solids	57,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 84D collected on 04/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total organic halogens	5.3	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	24	µg/L	0	GE
		Gross alpha	1.0E+01 ± 9.5E-01	pCi/L	1	GE
	■	Nonvolatile beta	1.6E+03 ± 8.8E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	2.9E+01 ± 3.0E+00	pCi/L	2	GE
	■	Tritium	9.1E+02 ± 4.7E+00	pCi/mL	2	GE

WELL HSB 85A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73791.9 E58943.4	33.285152 °N 81.654930 °W	71.1-61.1 ft msl	294.4 ft msl	4" PVC	Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/16/92
Depth to water: 125.07 ft (38.12 m) below TOC
Water elevation: 169.33 ft (51.61 m) msl
Sp. conductance: 189 µS/cm
Water evacuated before sampling: 284 gal

Time: 15:10
pH: 6.9
Alkalinity: 69 mg/L
Water temperature: 20.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.0	pH	0	GE
		Specific conductance	172	µS/cm	0	GE
•		Turbidity	<0.10	NTU	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	31	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzo[*a*]anthracene	<10	µg/L	0	GE
		Benzo[*b*]fluoranthene	<10	µg/L	0	GE
		Benzo[*k*]fluoranthene	<10	µg/L	0	GE
		Benzo[*g,h,i*]perylene	<10	µg/L	0	GE
		Benzo[*a*]pyrene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85A collected on 04/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	33,500	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	2,490	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Dibenz[*a,h*]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.8	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE

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WELL HSB 85A collected on 04/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[*1,2,3-c,d*]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	816	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	130	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodipropylamine	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,120	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	27,300	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,730	µg/L	0	GE
		Sulfate	6,080	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	121,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE

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WELL HSB 85A collected on 04/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<10	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB 85B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73789.3 E58953.3	33.285162 °N 81.654898 °W	143.2-133.2 ft msl	294.5 ft msl	4" PVC	McBean (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/17/92
Depth to water: 60.66 ft (18.49 m) below TOC
Water elevation: 233.84 ft (71.28 m) msl
Sp. conductance: 549 µS/cm
Water evacuated before sampling: 47 gal
The well went dry during purging.

Time: 10:05
pH: 11.0
Alkalinity: 122 mg/L
Water temperature: 20.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	12	pH	2	GE
•		pH	12	pH	2	GE
		Specific conductance	520	µS/cm	2	GE
•		Turbidity	<0.10	NTU	0	GE
•		Turbidity	<0.10	NTU	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aluminum	2,170	µg/L	2	GE
		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	44	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85B collected on 04/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzo[*a*]anthracene	<10	µg/L	0	GE
		Benzo[*b*]fluoranthene	<10	µg/L	0	GE
		Benzo[*k*]fluoranthene	<10	µg/L	0	GE
		Benzo[*g,h,i*]perylene	<10	µg/L	0	GE
		Benzo[*a*]pyrene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	42,200	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	1,520	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	4.4	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Dibenz[*a,h*]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85B collected on 04/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	136	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[*1,2,3-c,d*]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	106	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	500	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodipropylamine	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85B collected on 04/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Potassium	4,840	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	10,300	µg/L	0	GE
		Sulfate	4,440	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	158,000	µg/L	0	GE
		Total dissolved solids	155,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<10	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	8.9	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	3.1E+00 ± 1.2E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.2E+00 ± 4.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73802.3 E58947.4	33.285182 °N 81.654939 °W	224.2-214.2 ft msl	294.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/16/92
Depth to water: 54.87 ft (16.72 m) below TOC
Water elevation: 239.23 ft (72.92 m) msl
Sp. conductance: 32 µS/cm
Water evacuated before sampling: 66 gal

Time: 14:30
pH: 4.5
Alkalinity: 0 mg/L
Water temperature: 20.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.4	pH	0	GE
•		pH	4.5	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
•		Turbidity	<0.10	NTU	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aluminum	33	µg/L	0	GE
		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	4.8	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzo[*a*]anthracene	<10	µg/L	0	GE
		Benzo[*b*]fluoranthene	<10	µg/L	0	GE
		Benzo[*k*]fluoranthene	<10	µg/L	0	GE
		Benzo[*g,h,i*]perylene	<10	µg/L	0	GE
		Benzo[*a*]pyrene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	158	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	2,030	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85C collected on 04/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chlorobenzene	<1.0	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	23	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Dibenz[*a,h*]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.7	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE

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WELL HSB 85C collected on 04/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[*1,2,3-c,d*]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	99	µg/L	0	GE
		Manganese	2.5	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,800	µg/L	0	GE
		Nitrate as nitrogen	1,820	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodipropylamine	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,290	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,690	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	19,000	µg/L	0	GE
		Total dissolved solids	18,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<10	µg/L	0	GE

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WELL HSB 85C collected on 04/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	3.5E+00 ± 4.0E-01	pCi/mL	0	GE

WELL HSB 86A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72520.2 E55985.9	33.277514 °N 81.660247 °W	73.9-63.1 ft msl	262.4 ft msl	4" PVC	L. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/28/92
Depth to water: 93.25 ft (28.42 m) below TOC
Water elevation: 169.15 ft (51.56 m) msl
Sp. conductance: 129 µS/cm
Water evacuated before sampling: 278 gal
Time: 12:45
pH: 6.1
Alkalinity: 38 mg/L
Water temperature: 19.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.9	pH	0	GE
		Specific conductance	122	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	23	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	21,300	µg/L	0	GE
		Chloride	2,340	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	128	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	728	µg/L	0	GE
		Manganese	2.1	µg/L	0	GE

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WELL HSB 86A collected on 04/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	891	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	27,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,680	µg/L	0	GE
		Sulfate	10,100	µg/L	0	GE
		Total dissolved solids	102,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	250	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB 86B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72519.0 E55976.9	33.277497 °N 81.660269 °W	124.0-113.8 ft msl	261.9 ft msl	4" PVC	McBean (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/28/92
Depth to water: 40.07 ft (12.21 m) below TOC
Water elevation: 221.83 ft (67.61 m) msl
Sp. conductance: 214 µS/cm
Water evacuated before sampling: 283 gal
Time: 14:00
pH: 7.0
Alkalinity: 95 mg/L
Water temperature: 19.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.6	pH	0	GE
		Specific conductance	200	µS/cm	0	GE
		Specific conductance	200	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	38	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	39,800	µg/L	0	GE
		Chloride	2,370	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE

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WELL HSB 86B collected on 04/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	850	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	110	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	35,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,170	µg/L	0	GE
		Sulfate	2,830	µg/L	0	GE
		Total dissolved solids	145,000	µg/L	0	GE
		Total dissolved solids	156,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB 86C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72529.7 E55984.6	33.277533 °N 81.660269 °W	199.4-189.4 ft msl	262.9 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/28/92
Depth to water: 38.90 ft (11.86 m) below TOC
Water elevation: 224.00 ft (68.28 m) msl
Sp. conductance: 387 µS/cm
Water evacuated before sampling: 91 gal
Time: 11:40
pH: 3.9
Alkalinity: 0 mg/L
Water temperature: 19.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.4	pH	0	GE
		Specific conductance	340	µS/cm	1	GE
		Aluminum	1,030	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	79	µg/L	0	GE
	■	Cadmium	8.9	µg/L	2	GE
		Calcium	8,630	µg/L	0	GE
		Chloride	1,990	µg/L	0	GE

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WELL HSB 86C collected on 04/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chromium	<4.0	µg/L	0	GE
		Cobalt	50	µg/L	2	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	309	µg/L	0	GE
		Iron	10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	3,570	µg/L	0	GE
		Manganese	2,470	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	72	µg/L	1	GE
	■	Nitrate as nitrogen	39,700	µg/L	2	GE
		Potassium	2,360	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	17,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	43,100	µg/L	0	GE
		Sulfate	2,490	µg/L	0	GE
		Total dissolved solids	281,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	60	µg/L	2	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	66	µg/L	0	GE
	■	Gross alpha	5.8E+01 ± 5.1E+00	pCi/L	2	GE
	■	Nonvolatile beta	4.4E+02 ± 1.1E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	2.1E+01 ± 1.7E+00	pCi/L	2	GE
	■	Tritium	1.7E+04 ± 2.0E+01	pCi/mL	2	GE

WELL HSB 86D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72522.1 E55996.5	33.277536 °N 81.660223 °W	236.6-206.6 ft msl	263.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/28/92
Depth to water: 39.02 ft (11.89 m) below TOC
Water elevation: 223.98 ft (68.27 m) msl
Sp. conductance: 351 µS/cm
Water evacuated before sampling: 46 gal
Time: 11:25
pH: 3.5
Alkalinity: 0 mg/L
Water temperature: 19.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	3.9	pH	1	GE
		Specific conductance	298	µS/cm	1	GE
		Aluminum	3,390	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	55	µg/L	0	GE

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WELL HSB 86D collected on 04/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Cadmium	<2.0	µg/L	0	GE
		Calcium	2,080	µg/L	0	GE
		Chloride	1,930	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	8.3	µg/L	0	GE
		Copper	4.3	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	299	µg/L	0	GE
		Iron	24	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	822	µg/L	0	GE
		Manganese	304	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	9.1	µg/L	0	GE
	■	Nitrate as nitrogen	34,200	µg/L	2	GE
		Potassium	1,430	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	25,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	37,800	µg/L	0	GE
		Sulfate	2,590	µg/L	0	GE
		Total dissolved solids	214,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	18	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	45	µg/L	0	GE
	■	Gross alpha	6.9E+01 ± 1.5E+00	pCi/L	2	GE
	■	Nonvolatile beta	2.1E+03 ± 6.3E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	3.5E+01 ± 2.2E+00	pCi/L	2	GE
	■	Tritium	8.3E+03 ± 1.4E+01	pCi/mL	2	GE

WELL HSB100C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72077.2 E58806.5	33.281136 °N 81.651960 °W	163.0-153.0 ft msl	260.2 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 33.46 ft (10.20 m) below TOC
Water elevation: 226.74 ft (69.11 m) msl
Sp. conductance: 36 µS/cm
Water evacuated before sampling: 193 gal
Time: 12:05
pH: 4.9
Alkalinity: 2 mg/L
Water temperature: 19.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.7	pH	0	GE
		Specific conductance	29	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE

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WELL HSB100C collected on 04/02/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	<3.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	3,160	µg/L	0	GE
		Chloride	2,650	µg/L	0	GE
		Chloride	2,650	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	157	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	409	µg/L	0	GE
		Manganese	2.6	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	150	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	16,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,770	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	28,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	8.1	µg/L	0	GE
		Total phosphates (as P)	510	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.4E+00 ± 4.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB100D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72073.8 E58796.9	33.281113 °N 81.651978 °W	236.9-216.9 ft msl	260.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 26.45 ft (8.06 m) below TOC
Water elevation: 233.65 ft (71.22 m) msl
Sp. conductance: 68 µS/cm
Water evacuated before sampling: 44 gal
Time: 12:55
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 20.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.9	pH	0	GE
		Specific conductance	58	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	20	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,310	µg/L	0	GE
		Chloride	5,090	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	26	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	12	µg/L	0	GE
		Lead	4.4	µg/L	0	GE
		Magnesium	631	µg/L	0	GE
		Manganese	29	µg/L	1	GE
		Mercury	0.27	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	3,120	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,330	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	7,090	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	43,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	6.6	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	99	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.9E+01 ± 1.2E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.9E+00 ± 6.0E-01	pCi/L	0	GE
	■	Tritium	5.9E+02 ± 3.8E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB100D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72073.8 E58796.9	33.281113 °N 81.651978 °W	236.9-216.9 ft msl	260.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/01/92
Depth to water: 27.08 ft (8.25 m) below TOC
Water elevation: 233.02 ft (71.03 m) msl
Sp. conductance: 61 µS/cm
Water evacuated before sampling: 42 gal

Time: 12:10
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 22.0°C

WELL HSB100D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72073.8 E58796.9	33.281113 °N 81.651978 °W	236.9-216.9 ft msl	260.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/08/92
Depth to water: 27.17 ft (8.28 m) below TOC
Water elevation: 232.93 ft (71.00 m) msl
Sp. conductance: 64 µS/cm
Water evacuated before sampling: 42 gal

Time: 8:50
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 21.4°C

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB101C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72001.9 E58604.4	33.280640 °N 81.652346 °W	176.3-166.3 ft msl	258.5 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 33.07 ft (10.08 m) below TOC
Water elevation: 225.43 ft (68.71 m) msl
Sp. conductance: 64 µS/cm
Water evacuated before sampling: 155 gal

Time: 15:45
pH: 5.7
Alkalinity: 12 mg/L
Water temperature: 19.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.2	pH	0	GE
•		pH	6.0	pH	0	GE
		Specific conductance	50	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	17	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	6,650	µg/L	0	GE
		Chloride	2,610	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	135	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	336	µg/L	0	GE
		Manganese	2.4	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	930	µg/L	0	GE
		Potassium	2,310	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	14,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,370	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	41,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	200	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	3.9E+00 ± 5.9E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	2.0E+01 ± 7.0E-01	pCi/mL	2	GE

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WELL HSB101D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71997.5 E58594.8	33.280614 °N 81.652362 °W	236.1-216.1 ft msl	258.7 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 27.94 ft (8.52 m) below TOC
Water elevation: 230.76 ft (70.34 m) msl
Sp. conductance: 676 µS/cm
Water evacuated before sampling: 38 gal
Time: 15:35
pH: 9.1
Alkalinity: 122 mg/L
Water temperature: 20.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	9.7	pH	1	GE
		Specific conductance	700	µS/cm	2	GE
		Aluminum	348	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
	■	Arsenic	83	µg/L	2	GE
		Barium	<3.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	130	µg/L	0	GE
		Chloride	2,220	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
		Fluoride	503	µg/L	0	GE
		Iron	32	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	131	µg/L	0	GE
		Manganese	15	µg/L	0	GE
	■	Mercury	2.8	µg/L	2	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	72,000	µg/L	2	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	4,500	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	113,000	µg/L	0	GE
		Sulfate	5,260	µg/L	0	GE
		Total dissolved solids	409,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	18	µg/L	0	GE
		Total phosphates (as P)	2,520	µg/L	0	GE
		Vanadium	300	µg/L	2	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	2.3E+00 ± 2.6E-01	pCi/L	0	GE
		Nonvolatile beta	3.6E+01 ± 7.5E-01	pCi/L	1	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	1.0E+04 ± 1.6E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB102C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71960.1 E58399.7	33.280213 °N 81.652803 °W	176.7-166.7 ft msl	259.0 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 34.44 ft (10.50 m) below TOC
Water elevation: 224.56 ft (68.45 m) msl
Sp. conductance: 184 µS/cm
Water evacuated before sampling: 152 gal

Time: 10:05
pH: 5.4
Alkalinity: 11 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.6	pH	0	GE
		Specific conductance	170	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	26	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	6,340	µg/L	0	GE
		Chloride	5,310	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,800	µg/L	0	GE
		Manganese	64	µg/L	2	GE
		Mercury	0.22	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	14,400	µg/L	2	GE
		Potassium	3,120	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	20,700	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	132,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	13	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	6.1E+00 ± 7.5E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.7E+00 ± 5.0E-01	pCi/L	0	GE
	■	Tritium	2.2E+02 ± 2.3E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB102D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71952.4 E58393.4	33.280186 °N 81.652805 °W	236.3-216.3 ft msl	258.6 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/15/92
Depth to water: 30.54 ft (9.31 m) below TOC
Water elevation: 228.06 ft (69.51 m) msl
Sp. conductance: 41 µS/cm
Water evacuated before sampling: 10 gal
The well went dry during purging.

Time: 11:55
pH: 3.8
Alkalinity: 0 mg/L
Water temperature: 22.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	3.6	pH	1	GE
		Specific conductance	380	µS/cm	1	GE
		Aluminum	12,300	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	47	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	4,100	µg/L	0	GE
•		Chloride	1,500	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	4.3	µg/L	0	GE
		Copper	21	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	421	µg/L	0	GE
		Iron	96	µg/L	0	GE
	■	Lead	31	µg/L	2	GE
		Magnesium	1,160	µg/L	0	GE
		Manganese	764	µg/L	2	GE
	■	Mercury	3.3	µg/L	2	GE
		Nickel	2	µg/L	0	GE
	■	Nitrate as nitrogen	41,000	µg/L	2	GE
	■	Nitrate as nitrogen	42,000	µg/L	2	GE
		Potassium	1,670	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	14,800	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	13,500	µg/L	0	GE
•		Sulfate	1,560	µg/L	0	GE
•		Total dissolved solids	180,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	70	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	129	µg/L	0	GE
	■	Gross alpha	2.2E+02 ± 6.0E+00	pCi/L	2	GE
	■	Nonvolatile beta	7.5E+03 ± 2.8E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	7.2E+01 ± 4.2E+00	pCi/L	2	GE
	■	Tritium	1.5E+04 ± 1.9E+01	pCi/mL	2	GE

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WELL HSB103C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71593.9 E58323.6	33.279279 °N 81.652293 °W	169.2-159.2 ft msl	247.4 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 23.73 ft (7.23 m) below TOC
Water elevation: 223.67 ft (68.18 m) msl
Sp. conductance: 229 µS/cm
Water evacuated before sampling: 169 gal

Time: 13:50
pH: 4.7
Alkalinity: 0 mg/L
Water temperature: 18.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.1	pH	0	GE
		Specific conductance	200	µS/cm	0	GE
		Specific conductance	200	µS/cm	0	GE
		Aluminum	173	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	64	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	6,790	µg/L	0	GE
		Chloride	5,410	µg/L	0	GE
		Chloride	5,440	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	107	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	5,240	µg/L	0	GE
		Manganese	440	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	7.4	µg/L	0	GE
	■	Nitrate as nitrogen	22,000	µg/L	2	GE
	■	Nitrate as nitrogen	22,000	µg/L	2	GE
		Potassium	1,400	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	21,400	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	161,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	18	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB103C collected on 04/02/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Nonvolatile beta	2.9E+01 ± 1.5E+00	pCi/L	1	GE
		Total alpha-emitting radium	1.7E+00 ± 5.0E-01	pCi/L	0	GE
	■	Tritium	8.1E+02 ± 4.4E+00	pCi/mL	2	GE

WELL HSB103D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71588.1 E58315.6	33.279253 °N 81.652302 °W	233.7-213.7 ft msl	247.6 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 22.00 ft (6.71 m) below TOC
Water elevation: 225.60 ft (68.76 m) msl
Sp. conductance: 216 µS/cm
Water evacuated before sampling: 31 gal
Time: 14:10
pH: 4.0
Alkalinity: 0 mg/L
Water temperature: 19.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
●		pH	4.5	pH	0	GE
●		pH	4.5	pH	0	GE
		Specific conductance	215	µS/cm	0	GE
		Aluminum	704	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	27	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	859	µg/L	0	GE
		Chloride	4,620	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
●		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,310	µg/L	0	GE
		Manganese	148	µg/L	2	GE
		Mercury	1.8	µg/L	1	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	20,000	µg/L	2	GE
		Potassium	843	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,280	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	27,100	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	137,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB103D collected on 04/02/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total organic halogens	18	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	3.6	µg/L	0	GE
	■	Gross alpha	2.1E+01 ± 1.4E+00	pCi/L	2	GE
	■	Nonvolatile beta	4.3E+02 ± 4.9E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	1.2E+01 ± 4.0E-01	pCi/L	2	GE
	■	Tritium	4.3E+03 ± 1.0E+01	pCi/mL	2	GE

WELL HSB104C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71376.8 E58082.6	33.278406 °N 81.652506 °W	173.5-163.5 ft msl	247.9 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 27.03 ft (8.24 m) below TOC
Water elevation: 220.87 ft (67.32 m) msl
Sp. conductance: 171 µS/cm
Water evacuated before sampling: 189 gal
Time: 10:40
pH: 9.5
Alkalinity: 36 mg/L
Water temperature: 19.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	9.1	pH	1	GE
•		pH	9.2	pH	1	GE
		Specific conductance	145	µS/cm	0	GE
		Specific conductance	147	µS/cm	0	GE
		Aluminum	363	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	53	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	14,600	µg/L	0	GE
		Chloride	3,590	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	867	µg/L	0	GE
		Manganese	17	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	5,700	µg/L	1	GE
		Potassium	7,080	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB104C collected on 04/02/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Silica	13,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	10,300	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	101,000	µg/L	0	GE
		Total dissolved solids	103,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	7.8	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.0E+01 ± 1.4E+00	pCi/L	0	GE
		Nonvolatile beta	2.2E+01 ± 1.4E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.2E+00 ± 5.0E-01	pCi/L	0	GE
	■	Tritium	2.9E+02 ± 2.7E+00	pCi/mL	2	GE

WELL HSB104D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71370.2 E58075.8	33.278380 °N 81.652511 °W	230.6-210.6 ft msl	247.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 22.62 ft (6.89 m) below TOC
Water elevation: 225.18 ft (68.64 m) msl
Sp. conductance: 249 µS/cm
Water evacuated before sampling: 38 gal
Time: 9:30
pH: 4.0
Alkalinity: 0 mg/L
Water temperature: 18.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.2	pH	0	GE
•		pH	4.2	pH	0	GE
		Specific conductance	260	µS/cm	1	GE
		Specific conductance	260	µS/cm	1	GE
		Aluminum	5,470	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	55	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,580	µg/L	0	GE
		Chloride	1,980	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	5.6	µg/L	0	GE
		Copper	8.5	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
		Fluoride	279	µg/L	0	GE

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WELL HSB104D collected on 04/02/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Iron	68	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	731	µg/L	0	GE
		Manganese	462	µg/L	2	GE
	■	Mercury	2.3	µg/L	2	GE
		Nickel	11	µg/L	0	GE
	■	Nitrate as nitrogen	23,000	µg/L	2	GE
		Potassium	572	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	13,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	17,400	µg/L	0	GE
		Sulfate	4,890	µg/L	0	GE
		Total dissolved solids	126,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	26	µg/L	0	GE
	■	Gross alpha	2.7E+01 ± 1.5E+00	pCi/L	2	GE
	■	Nonvolatile beta	2.4E+03 ± 1.2E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	1.8E+01 ± 5.0E-01	pCi/L	2	GE
	■	Tritium	2.5E+03 ± 7.8E+00	pCi/mL	2	GE

WELL HSB105C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71447.3 E57883.8	33.278237 °N 81.653166 °W	162.2-152.2 ft msl	249.5 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 29.64 ft (9.03 m) below TOC
Water elevation: 219.86 ft (67.01 m) msl
Sp. conductance: 87 µS/cm
Water evacuated before sampling: 178 gal
Time: 15:00
pH: 5.6
Alkalinity: 11 mg/L
Water temperature: 18.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.8	pH	0	GE
		Specific conductance	65	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	6.9	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	8,550	µg/L	0	GE
		Chloride	3,490	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE

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WELL HSB105C collected on 04/02/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	843	µg/L	0	GE
		Manganese	3.1	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	3,450	µg/L	0	GE
		Potassium	2,430	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	12,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,540	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	66,000	µg/L	0	GE
		Total dissolved solids	55,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	410	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	20	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.4E+01 ± 9.2E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	1.0E+02 ± 1.6E+00	pCi/mL	2	GE

WELL HSB105D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71454.8 E57877.4	33.278244 °N 81.653197 °W	231.8-211.8 ft msl	249.5 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/02/92
Depth to water: 23.88 ft (7.28 m) below TOC
Water elevation: 225.62 ft (68.77 m) msl
Sp. conductance: 537 µS/cm
Water evacuated before sampling: 56 gal
Time: 14:40
pH: 3.8
Alkalinity: 0 mg/L
Water temperature: 19.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	3.8	pH	1	GE
		Specific conductance	600	µS/cm	2	GE
		Specific conductance	600	µS/cm	2	GE
		Aluminum	8,940	µg/L	2	GE

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WELL HSB105D collected on 04/02/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	120	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	3,380	µg/L	0	GE
		Chloride	1,810	µg/L	0	GE
		Chloride	1,790	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	10.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
		Fluoride	877	µg/L	0	GE
		Iron	74	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,750	µg/L	0	GE
		Manganese	614	µg/L	2	GE
	■	Mercury	4.6	µg/L	2	GE
	■	Mercury	4.6	µg/L	2	GE
		Nickel	11	µg/L	0	GE
	■	Nitrate as nitrogen	58,000	µg/L	2	GE
		Potassium	1,680	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,190	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	40,100	µg/L	0	GE
		Sulfate	2,770	µg/L	0	GE
		Sulfate	2,830	µg/L	0	GE
		Total dissolved solids	287,000	µg/L	0	GE
		Total dissolved solids	275,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	5.7	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	55	µg/L	0	GE
	■	Gross alpha	5.4E+01 ± 2.3E+00	pCi/L	2	GE
	■	Gross alpha	4.7E+01 ± 1.9E+00	pCi/L	2	GE
	■	Nonvolatile beta	4.9E+03 ± 1.8E+01	pCi/L	2	GE
	■	Nonvolatile beta	4.3E+03 ± 1.3E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	5.7E+01 ± 1.2E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	5.4E+01 ± 1.2E+00	pCi/L	2	GE
	■	Tritium	7.6E+03 ± 1.4E+01	pCi/mL	2	GE

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WELL HSB106C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71720.9 E57651.5	33.278464 °N 81.654309 °W	168.7-158.7 ft msl	252.9 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 31.16 ft (9.50 m) below TOC
Water elevation: 221.74 ft (67.59 m) msl
Sp. conductance: 100 µS/cm
Water evacuated before sampling: 165 gal

Time: 10:50
pH: 5.3
Alkalinity: 4 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.8	pH	0	GE
		Specific conductance	98	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	17	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	6,120	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	3,920	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB106C collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	1,110	µg/L	0	GE
		Manganese	7.5	µg/L	0	GE
		Mercury	0.79	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	7,400	µg/L	1	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	779	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,400	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	7,770	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
	■	Tetrachloroethylene	5.7	µg/L	2	GE
	■	Tetrachloroethylene	5.4	µg/L	2	GE
		Toluene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
•		Total dissolved solids	76,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	18	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE

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WELL HSB106C collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Vanadium	<8.0	µg/L	0	GE
		Zinc	7.3	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.8E+00 ± 1.7E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	3.6E+02 ± 3.0E+00	pCi/mL	2	GE

WELL HSB106D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71727.8 E57644.8	33.278468 °N 81.654340 °W	230.7-210.7 ft msl	252.9 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 27.29 ft (8.32 m) below TOC
Water elevation: 225.61 ft (68.77 m) msl
Sp. conductance: 126 µS/cm
Water evacuated before sampling: 39 gal

Time: 10:30
pH: 3.7
Alkalinity: 0 mg/L
Water temperature: 18.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.4	pH	0	GE
		Specific conductance	130	µS/cm	0	GE
		Aluminum	530	µg/L	2	GE
		Aluminum	528	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	33	µg/L	0	GE
		Barium	33	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,490	µg/L	0	GE
		Calcium	1,470	µg/L	0	GE
		Chloride	2,040	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	7.5	µg/L	0	GE
		Cobalt	7.3	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	113	µg/L	0	GE
		Iron	59	µg/L	0	GE
		Iron	59	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	974	µg/L	0	GE
		Magnesium	968	µg/L	0	GE
		Manganese	211	µg/L	2	GE

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WELL HSB106D collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Manganese	210	µg/L	2	GE
		Mercury	0.57	µg/L	0	GE
		Nickel	5.9	µg/L	0	GE
		Nickel	7.4	µg/L	0	GE
	■	Nitrate as nitrogen	24,000	µg/L	2	GE
	■	Nitrate as nitrogen	24,000	µg/L	2	GE
		Potassium	<500	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,420	µg/L	0	GE
		Silica	9,350	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	14,700	µg/L	0	GE
		Sodium	14,600	µg/L	0	GE
		Sulfate	2,570	µg/L	0	GE
•		Total dissolved solids	94,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	18	µg/L	0	GE
		Zinc	18	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	6.8E+02 ± 1.5E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	8.4E+00 ± 1.3E+00	pCi/L	2	GE
	■	Tritium	1.1E+03 ± 5.2E+00	pCi/mL	2	GE

WELL HSB107C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71698.5 E57432.0	33.278056 °N 81.654844 °W	169.3-159.3 ft msl	261.6 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 42.34 ft (12.91 m) below TOC
Water elevation: 219.26 ft (66.83 m) msl
Sp. conductance: 162 µS/cm
Water evacuated before sampling: 157 gal

Time: 12:05
pH: 6.4
Alkalinity: 45 mg/L
Water temperature: 19.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.1	pH	0	GE
		Specific conductance	155	µS/cm	0	GE
		Aluminum	24	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	46	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB107C collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Cadmium	<2.0	µg/L	0	GE
		Calcium	15,300	µg/L	0	GE
		Chloride	3,280	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	157	µg/L	0	GE
		Fluoride	156	µg/L	0	GE
		Iron	283	µg/L	1	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	850	µg/L	0	GE
		Manganese	392	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	4,900	µg/L	0	GE
		Potassium	2,930	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,300	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	11,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	92,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	190	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	3.9	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.3E+01 ± 2.5E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	4.2E+02 ± 3.2E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB107D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71696.6 E57412.2	33.278019 °N 81.654892 °W	235.1-215.1 ft msl	262.3 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 37.76 ft (11.51 m) below TOC
Water elevation: 224.54 ft (68.44 m) msl
Sp. conductance: 261 µS/cm
Water evacuated before sampling: 25 gal
Time: 11:30
pH: 4.2
Alkalinity: 0 mg/L
Water temperature: 19.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.7	pH	0	GE
		Specific conductance	730	µS/cm	2	GE
		Aluminum	441	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	52	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	3,310	µg/L	0	GE
•		Chloride	3,180	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	168	µg/L	0	GE
		Iron	14	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	2,430	µg/L	0	GE
		Manganese	180	µg/L	2	GE
	■	Mercury	3.5	µg/L	2	GE
		Nickel	4.4	µg/L	0	GE
	■	Nitrate as nitrogen	28,000	µg/L	2	GE
		Potassium	1,400	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,120	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	31,100	µg/L	0	GE
•		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	207,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	60	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	13	µg/L	0	GE
	■	Gross alpha	1.6E+01 ± 1.8E+00	pCi/L	2	GE
	■	Nonvolatile beta	3.2E+03 ± 1.9E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	8.1E+01 ± 3.4E+00	pCi/L	2	GE
	■	Tritium	4.6E+03 ± 1.1E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB108C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71688.7 E57155.5	33.277583 °N 81.655553 °W	196.0-186.0 ft msl	266.2 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 47.71 ft (14.54 m) below TOC
Water elevation: 218.49 ft (66.60 m) msl
Sp. conductance: 169 µS/cm
Water evacuated before sampling: 85 gal

Time: 13:00
pH: 6.6
Alkalinity: 54 mg/L
Water temperature: 19.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.3	pH	0	GE
		Specific conductance	170	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	8.2	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	26,100	µg/L	0	GE
		Chloride	2,820	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	260	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	2,220	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	3,100	µg/L	0	GE
		Potassium	537	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	12,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,010	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	108,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	29	µg/L	1	GE
		Total phosphates (as P)	270	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	3.3	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	3.0E+00 ± 1.7E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	3.6E+02 ± 3.0E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB108D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71688.0 E57145.6	33.277566 °N 81.655577 °W	232.0-212.0 ft msl	266.3 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 42.96 ft (13.09 m) below TOC
Water elevation: 223.34 ft (68.07 m) msl
Sp. conductance: 279 µS/cm
Water evacuated before sampling: 30 gal

Time: 12:50
pH: 4.2
Alkalinity: 0 mg/L
Water temperature: 20.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.4	pH	0	GE
		Specific conductance	250	µS/cm	1	GE
		Aluminum	1,790	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	74	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	3,960	µg/L	0	GE
•		Chloride	1,640	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	8.8	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	495	µg/L	0	GE
		Iron	29	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,390	µg/L	0	GE
		Manganese	604	µg/L	2	GE
	■	Mercury	2.8	µg/L	2	GE
		Nickel	14	µg/L	0	GE
	■	Nitrate as nitrogen	29,000	µg/L	2	GE
		Potassium	1,860	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,080	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	28,100	µg/L	0	GE
•		Sulfate	7,530	µg/L	0	GE
•		Total dissolved solids	231,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	39	µg/L	0	GE
	■	Gross alpha	3.3E+01 ± 2.5E+00	pCi/L	2	GE
	■	Nonvolatile beta	6.3E+03 ± 2.7E+01	pCi/L	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB108D collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
	■	Total alpha-emitting radium	1.4E+02 ± 4.4E+00	pCi/L	2	GE
	■	Tritium	4.9E+03 ± 1.1E+01	pCi/mL	2	GE

WELL HSB109C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71684.8 E56895.6	33.277151 °N 81.656229 °W	178.4-168.4 ft msl	261.6 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 42.84 ft (13.06 m) below TOC
Water elevation: 218.76 ft (66.68 m) msl
Sp. conductance: 58 µS/cm
Water evacuated before sampling: 132 gal

Time: 14:45
pH: 5.8
Alkalinity: 11 mg/L
Water temperature: 19.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
●		pH	6.5	pH	0	GE
		Specific conductance	52	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	9.3	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	5,400	µg/L	0	GE
		Chloride	2,740	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	130	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	341	µg/L	0	GE
		Manganese	2.4	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,450	µg/L	0	GE
		Potassium	632	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,490	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	43,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	210	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB109C collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Zinc	5.4	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.5E+00 ± 5.2E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	7.8E+01 ± 1.4E+00	pCi/mL	2	GE

WELL HSB109D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71685.6 E56885.5	33.277136 °N 81.656257 °W	233.0-213.0 ft msl	261.2 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 38.64 ft (11.78 m) below TOC
Water elevation: 222.56 ft (67.84 m) msl
Sp. conductance: 80 µS/cm
Water evacuated before sampling: 25 gal
Time: 14:25
pH: 4.1
Alkalinity: 0 mg/L
Water temperature: 20.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.4	pH	0	GE
		Specific conductance	78	µS/cm	0	GE
		Aluminum	715	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	46	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,230	µg/L	0	GE
		Chloride	2,200	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	101	µg/L	0	GE
		Iron	5.7	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	864	µg/L	0	GE
		Manganese	220	µg/L	2	GE
		Mercury	0.91	µg/L	0	GE
		Nickel	7.6	µg/L	0	GE
		Nitrate as nitrogen	7,100	µg/L	1	GE
		Potassium	554	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,330	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,900	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	45,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB109D collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Total organic halogens	13	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	24	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	1.5E+03 ± 1.5E+01	pCi/L	2	GE
	■	Nonvolatile beta	1.5E+03 ± 2.2E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	1.7E+01 ± 1.7E+00	pCi/L	2	GE
	■	Tritium	3.4E+02 ± 2.9E+00	pCi/mL	2	GE

WELL HSB110C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71779.3 E56680.7	33.277009 °N 81.656979 °W	181.4-171.4 ft msl	255.7 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 36.48 ft (11.12 m) below TOC
Water elevation: 219.22 ft (66.82 m) msl
Sp. conductance: 27 µS/cm
Water evacuated before sampling: 125 gal
Time: 16:20
pH: 5.2
Alkalinity: 1 mg/L
Water temperature: 19.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.5	pH	0	GE
•		pH	5.5	pH	0	GE
		Specific conductance	28	µS/cm	0	GE
		Specific conductance	28	µS/cm	0	GE
		Aluminum	40	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	4.9	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,390	µg/L	0	GE
		Chloride	2,590	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	13	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	348	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	720	µg/L	0	GE
		Potassium	<500	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB110C collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Selenium	<2.0	µg/L	0	GE
		Silica	12,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,200	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	24,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	11	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	3.6E+01 ± 1.0E+00	pCi/mL	2	GE

WELL HSB110D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71785.2 E56672.1	33.277008 °N 81.657013 °W	231.4-211.4 ft msl	255.6 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 33.58 ft (10.24 m) below TOC
Water elevation: 222.02 ft (67.67 m) msl
Sp. conductance: 74 µS/cm
Water evacuated before sampling: 28 gal
Time: 15:05
pH: 4.9
Alkalinity: 1 mg/L
Water temperature: 19.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.4	pH	0	GE
		Specific conductance	60	µS/cm	0	GE
		Aluminum	176	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	4.8	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	440	µg/L	0	GE
		Chloride	2,720	µg/L	0	GE
		Chloride	2,730	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	5.4	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	118	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB110D collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Manganese	46	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	3,200	µg/L	0	GE
		Potassium	1,680	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,800	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	7,350	µg/L	0	GE
		Sulfate	4,620	µg/L	0	GE
		Sulfate	4,560	µg/L	0	GE
•		Total dissolved solids	47,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	44	µg/L	1	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	6.6	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	1.1E+02 ± 4.9E+00	pCi/L	2	GE
		Total alpha-emitting radium	2.3E+00 ± 7.0E-01	pCi/L	0	GE
	■	Tritium	6.3E+01 ± 1.3E+00	pCi/mL	2	GE
	■	Tritium	6.4E+01 ± 1.3E+00	pCi/mL	2	GE

WELL HSB111C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71919.4 E56501.9	33.277027 °N 81.657722 °W	150.7-140.7 ft msl	256.0 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 35.63 ft (10.86 m) below TOC
Water elevation: 220.37 ft (67.17 m) msl
Sp. conductance: 226 µS/cm
Water evacuated before sampling: 209 gal
Time: 13:45
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 19.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.0	pH	0	GE
		Specific conductance	190	µS/cm	0	GE
		Aluminum	199	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	23	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	15,900	µg/L	0	GE
		Chloride	3,590	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB111C collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	134	µg/L	0	GE
		Iron	5.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	3,390	µg/L	0	GE
		Manganese	39	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	8.3	µg/L	0	GE
	■	Nitrate as nitrogen	24,000	µg/L	2	GE
		Potassium	673	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	17,900	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
●		Total dissolved solids	195,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	90	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	32	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	4.2E+01 ± 1.1E+00	pCi/L	1	GE
		Total alpha-emitting radium	1.4E+00 ± 1.1E+00	pCi/L	0	GE
	■	Tritium	3.4E+03 ± 9.0E+00	pCi/mL	2	GE

WELL HSB111D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71926.2 E56494.5	33.277030 °N 81.657754 °W	195.7-185.7 ft msl	256.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 34.14 ft (10.41 m) below TOC
Water elevation: 221.86 ft (67.62 m) msl
Sp. conductance: 496 µS/cm
Water evacuated before sampling: 95 gal
Time: 14:20
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 20.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
●		pH	5.0	pH	0	GE
		Specific conductance	450	µS/cm	1	GE
		Aluminum	211	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	44	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	6,030	µg/L	0	GE
		Chloride	3,300	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB111D collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	2,500	µg/L	0	GE
		Manganese	54	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	5.9	µg/L	0	GE
	■	Nitrate as nitrogen	64,000	µg/L	2	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,160	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	82,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	385,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	12	µg/L	0	GE
		Gross alpha	1.3E+01 ± 1.9E+00	pCi/L	1	GE
	■	Nonvolatile beta	7.2E+01 ± 3.5E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	7.5E+00 ± 1.8E+00	pCi/L	2	GE
	■	Tritium	1.3E+04 ± 1.8E+01	pCi/mL	2	GE

WELL HSB111E

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71932.8 E56487.2	33.277033 °N 81.657786 °W	231.7-211.7 ft msl	255.9 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 33.86 ft (10.32 m) below TOC
Water elevation: 222.04 ft (67.68 m) msl
Sp. conductance: 59 µS/cm
Water evacuated before sampling: 52 gal
Time: 14:00
pH: 4.1
Alkalinity: 0 mg/L
Water temperature: 19.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.4	pH	0	GE
		Specific conductance	48	µS/cm	0	GE
		Aluminum	389	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	5.7	µg/L	0	GE

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WELL HSB111E collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Cadmium	<2.0	µg/L	0	GE
		Calcium	378	µg/L	0	GE
		Chloride	2,640	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	244	µg/L	0	GE
		Manganese	22	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	3,060	µg/L	0	GE
		Nitrate as nitrogen	3,160	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,440	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,140	µg/L	0	GE
		Sulfate	2,250	µg/L	0	GE
		Total dissolved solids	23,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	5.7	µg/L	0	GE
		Gross alpha	8.6E+00 ± 8.7E-01	pCi/L	1	GE
	■	Nonvolatile beta	7.6E+02 ± 6.2E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	9.1E+00 ± 1.1E+00	pCi/L	2	GE
	■	Tritium	3.3E+02 ± 2.9E+00	pCi/mL	2	GE

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WELL HSB112C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72156.4 E56417.4	33.277413 °N 81.658404 °W	150.6-140.6 ft msl	254.9 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/15/92
Depth to water: 33.44 ft (10.19 m) below TOC
Water elevation: 221.46 ft (67.50 m) msl
Sp. conductance: 183 µS/cm
Water evacuated before sampling: 212 gal
Time: 10:35
pH: 5.8
Alkalinity: 12 mg/L
Water temperature: 19.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.2	pH	0	GE
		Specific conductance	170	µS/cm	0	GE
		Aluminum	46	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	30	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	13,100	µg/L	0	GE
•		Chloride	3,150	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	299	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	2,920	µg/L	0	GE
		Manganese	29	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	14,000	µg/L	2	GE
		Potassium	705	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	12,300	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	13,000	µg/L	0	GE
•		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	166,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	520	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	22	µg/L	0	GE
		Gross alpha	2.5E+00 ± 5.4E-01	pCi/L	0	GE
	■	Nonvolatile beta	5.1E+01 ± 1.8E+00	pCi/L	2	GE
		Total alpha-emitting radium	1.6E+00 ± 8.0E-01	pCi/L	0	GE
	■	Tritium	2.3E+03 ± 7.5E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB112D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72161.6 E56408.1	33.277410 °N 81.658439 °W	198.3-188.3 ft msl	255.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/15/92
Depth to water: 32.46 ft (9.89 m) below TOC
Water elevation: 222.64 ft (67.86 m) msl
Sp. conductance: 448 µS/cm
Water evacuated before sampling: 90 gal

Time: 10:25
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 19.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.7	pH	0	GE
		Specific conductance	420	µS/cm	1	GE
		Aluminum	136	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	19	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,730	µg/L	0	GE
•		Chloride	2,360	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	5.6	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	191	µg/L	0	GE
		Iron	4.6	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,170	µg/L	0	GE
		Manganese	202	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	53,000	µg/L	2	GE
		Potassium	879	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,950	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	76,100	µg/L	0	GE
•		Sulfate	8,170	µg/L	0	GE
•		Total dissolved solids	349,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	90	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	8.1	µg/L	0	GE
		Gross alpha	2.6E+00 ± 7.8E-01	pCi/L	0	GE
	■	Nonvolatile beta	1.1E+02 ± 3.7E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	8.6E+00 ± 1.5E+00	pCi/L	2	GE
	■	Tritium	1.8E+04 ± 2.1E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB112E

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72166.6 E56399.5	33.277407 °N 81.658471 °W	231.7-211.7 ft msl	255.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/15/92
Depth to water: 32.48 ft (9.90 m) below TOC
Water elevation: 222.62 ft (67.86 m) msl
Sp. conductance: 314 µS/cm
Water evacuated before sampling: 2 gal
The well went dry during purging.

Time: 10:00
pH: 5.2
Alkalinity: 11 mg/L
Water temperature: 18.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.4	pH	0	GE
		Specific conductance	310	µS/cm	1	GE
		Aluminum	101	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	72	µg/L	0	GE
		Cadmium	3.2	µg/L	1	GE
		Calcium	3,710	µg/L	0	GE
•		Chloride	2,330	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	24	µg/L	1	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	165	µg/L	0	GE
		Iron	5.5	µg/L	0	GE
		Lead	14	µg/L	1	GE
		Magnesium	2,010	µg/L	0	GE
		Manganese	732	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	25	µg/L	0	GE
	■	Nitrate as nitrogen	44,000	µg/L	2	GE
		Potassium	1,620	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	58,000	µg/L	0	GE
•		Sulfate	3,560	µg/L	0	GE
•		Total dissolved solids	258,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	630	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	46	µg/L	0	GE
		Gross alpha	7.7E+00 ± 1.3E+00	pCi/L	1	GE
	■	Nonvolatile beta	3.1E+02 ± 6.0E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	9.4E+00 ± 1.7E+00	pCi/L	2	GE
	■	Tritium	1.0E+04 ± 1.6E+01	pCi/mL	2	GE
	■	Tritium	1.0E+04 ± 1.6E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB113C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72312.3 E56160.4	33.277339 °N 81.659384 °W	161.7-151.7 ft msl	261.0 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/28/92
Depth to water: 38.65 ft (11.78 m) below TOC
Water elevation: 222.35 ft (67.77 m) msl
Sp. conductance: 139 µS/cm
Water evacuated before sampling: 185 gal
Time: 11:00
pH: 4.7
Alkalinity: 0 mg/L
Water temperature: 19.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.4	pH	0	GE
		Specific conductance	130	µS/cm	0	GE
		Aluminum	140	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	35	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	8,310	µg/L	0	GE
		Chloride	3,130	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	110	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	2,660	µg/L	0	GE
		Manganese	52	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	13,400	µg/L	2	GE
	■	Nitrate as nitrogen	14,200	µg/L	2	GE
		Potassium	640	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,630	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	10,300	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	105,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	134	µg/L	2	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	37	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	5.4E+01 ± 1.7E+00	pCi/L	2	GE
		Total alpha-emitting radium	1.0E+00 ± 8.0E-01	pCi/L	0	GE
	■	Tritium	1.6E+03 ± 6.1E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB113D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72302.7 E56164.3	33.277324 °N 81.659355 °W	236.2-216.2 ft msl	260.9 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/28/92
Depth to water: 37.94 ft (11.56 m) below TOC
Water elevation: 222.96 ft (67.96 m) msl
Sp. conductance: 399 µS/cm
Water evacuated before sampling: 18 gal

Time: 10:20
pH: 3.3
Alkalinity: 0 mg/L
Water temperature: 19.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	3.8	pH	1	GE
		Specific conductance	340	µS/cm	1	GE
		Aluminum	8,080	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	92	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	4,830	µg/L	0	GE
		Chloride	2,120	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	9.6	µg/L	0	GE
		Copper	6.6	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	421	µg/L	0	GE
		Fluoride	417	µg/L	0	GE
		Iron	262	µg/L	1	GE
		Lead	5.3	µg/L	0	GE
		Magnesium	1,460	µg/L	0	GE
		Manganese	449	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	13	µg/L	0	GE
	■	Nitrate as nitrogen	37,900	µg/L	2	GE
		Potassium	2,010	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	24,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	27,100	µg/L	0	GE
		Sulfate	1,810	µg/L	0	GE
		Total dissolved solids	221,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
•		Total organic halogens	6.9	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	74	µg/L	0	GE
	■	Gross alpha	9.7E+01 ± 6.6E+00	pCi/L	2	GE
	■	Nonvolatile beta	2.8E+03 ± 2.8E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	4.4E+01 ± 2.4E+00	pCi/L	2	GE
	■	Tritium	1.0E+04 ± 1.6E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB114C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72464.6 E56107.0	33.277589 °N 81.659820 °W	195.6-185.6 ft msl	263.8 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/28/92
Depth to water: 40.18 ft (12.25 m) below TOC
Water elevation: 223.62 ft (68.16 m) msl
Sp. conductance: 488 µS/cm
Water evacuated before sampling: 100 gal

Time: 10:00
pH: 4.1
Alkalinity: 0 mg/L
Water temperature: 20.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.7	pH	0	GE
		Specific conductance	450	µS/cm	1	GE
		Aluminum	490	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	77	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	13,400	µg/L	0	GE
		Chloride	4,410	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	6.3	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	156	µg/L	0	GE
		Iron	8.1	µg/L	0	GE
		Lead	3.6	µg/L	0	GE
		Magnesium	6,570	µg/L	0	GE
		Manganese	174	µg/L	2	GE
		Mercury	0.22	µg/L	0	GE
		Nickel	11	µg/L	0	GE
	■	Nitrate as nitrogen	56,500	µg/L	2	GE
		Potassium	805	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,670	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	65,800	µg/L	0	GE
		Sulfate	4,020	µg/L	0	GE
		Total dissolved solids	356,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	61	µg/L	2	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	49	µg/L	0	GE
	■	Gross alpha	1.7E+01 ± 3.0E+00	pCi/L	2	GE
	■	Nonvolatile beta	1.8E+02 ± 7.6E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	8.5E+00 ± 1.1E+00	pCi/L	2	GE
	■	Tritium	1.4E+04 ± 1.8E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB114D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72474.2 E56104.6	33.277606 °N 81.659845 °W	232.8-212.8 ft msl	264.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/28/92
Depth to water: 40.35 ft (12.30 m) below TOC
Water elevation: 223.65 ft (68.17 m) msl
Sp. conductance: 265 µS/cm
Water evacuated before sampling: 28 gal

Time: 9:45
pH: 3.4
Alkalinity: 0 mg/L
Water temperature: 20.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	3.9	pH	1	GE
		Specific conductance	230	µS/cm	0	GE
		Aluminum	5,850	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	53	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	4,150	µg/L	0	GE
		Chloride	1,510	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	12	µg/L	0	GE
		Copper	7.8	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	567	µg/L	0	GE
		Iron	37	µg/L	0	GE
		Lead	9.0	µg/L	1	GE
		Magnesium	972	µg/L	0	GE
		Manganese	500	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	19	µg/L	0	GE
	■	Nitrate as nitrogen	24,800	µg/L	2	GE
		Potassium	2,370	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	24,800	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	12,400	µg/L	0	GE
		Sulfate	4,240	µg/L	0	GE
		Total dissolved solids	127,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	9.1	µg/L	0	GE
•		Total organic halogens	6.7	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	89	µg/L	0	GE
	■	Gross alpha	5.1E+01 ± 4.7E+00	pCi/L	2	GE
	■	Nonvolatile beta	3.4E+03 ± 3.1E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	4.2E+01 ± 2.4E+00	pCi/L	2	GE
	■	Tritium	3.5E+03 ± 9.1E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB115C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72653.2 E56043.2	33.277902 °N 81.660355 °W	192.8-182.8 ft msl	269.3 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/15/92
Depth to water: 45.05 ft (13.73 m) below TOC
Water elevation: 224.25 ft (68.35 m) msl
Sp. conductance: 472 µS/cm
Water evacuated before sampling: 109 gal

Time: 9:20
pH: 6.8
Alkalinity: 20 mg/L
Water temperature: 20.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.4	pH	0	GE
		Specific conductance	435	µS/cm	1	GE
		Aluminum	139	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	53	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	16,400	µg/L	0	GE
•		Chloride	2,400	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	126	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	2,750	µg/L	0	GE
		Manganese	179	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	53,000	µg/L	2	GE
		Potassium	1,060	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,990	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	67,000	µg/L	0	GE
•		Sulfate	5,720	µg/L	0	GE
•		Total dissolved solids	366,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	100	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	3.7	µg/L	0	GE
		Gross alpha	4.2E+00 ± 1.1E+00	pCi/L	0	GE
	■	Nonvolatile beta	1.7E+02 ± 4.7E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	5.4E+00 ± 1.3E+00	pCi/L	2	GE
	■	Tritium	1.6E+04 ± 2.0E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB115D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72662.3 E56039.8	33.277916 °N 81.660381 °W	233.9-213.9 ft msl	269.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/15/92
Depth to water: 44.74 ft (13.64 m) below TOC
Water elevation: 224.36 ft (68.39 m) msl
Sp. conductance: 341 µS/cm
Water evacuated before sampling: 3 gal
The well went dry during purging.

Time: 9:05
pH: 3.8
Alkalinity: 0 mg/L
Water temperature: 19.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
●		pH	4.0	pH	0	GE
●		pH	4.1	pH	0	GE
		Specific conductance	295	µS/cm	1	GE
		Specific conductance	300	µS/cm	1	GE
		Aluminum	3,450	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	202	µg/L	0	GE
		Cadmium	2.4	µg/L	0	GE
		Calcium	12,500	µg/L	0	GE
●		Chloride	1,570	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	46	µg/L	2	GE
		Copper	18	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	936	µg/L	0	GE
		Iron	127	µg/L	0	GE
	■	Lead	69	µg/L	2	GE
	■	Lead	71	µg/L	2	GE
		Magnesium	2,460	µg/L	0	GE
		Manganese	1,560	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	58	µg/L	1	GE
	■	Nitrate as nitrogen	36,000	µg/L	2	GE
		Potassium	1,500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	31,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	19,000	µg/L	0	GE
●		Sulfate	1,040	µg/L	0	GE
●		Total dissolved solids	241,000	µg/L	0	GE
●		Total dissolved solids	206,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
●		Total organic halogens	<5.0	µg/L	0	GE
●		Total organic halogens	<5.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB115D collected on 04/15/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total phosphates (as P)	240	µg/L	0	GE
		Total phosphates (as P)	250	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	191	µg/L	0	GE
	■	Gross alpha	3.1E+01 ± 1.7E+00	pCi/L	2	GE
	■	Gross alpha	3.3E+01 ± 1.8E+00	pCi/L	2	GE
	■	Nonvolatile beta	2.1E+03 ± 1.1E+01	pCi/L	2	GE
	■	Nonvolatile beta	2.4E+03 ± 1.2E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	3.8E+01 ± 3.3E+00	pCi/L	2	GE
	■	Tritium	8.6E+03 ± 1.4E+01	pCi/mL	2	GE

WELL HSB116C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72888.1 E55989.1	33.278333 °N 81.660953 °W	190.5-180.5 ft msl	257.5 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 32.12 ft (9.79 m) below TOC
Water elevation: 225.38 ft (68.70 m) msl
Sp. conductance: 540 µS/cm
Water evacuated before sampling: 118 gal

Time: 16:25
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 19.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.9	pH	0	GE
		Specific conductance	550	µS/cm	2	GE
		Aluminum	161	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	84	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	4,310	µg/L	0	GE
		Chloride	4,470	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	70	µg/L	2	GE
		Copper	<4.0	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	2,310	µg/L	0	GE
		Manganese	968	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	12	µg/L	0	GE
	■	Nitrate as nitrogen	57,200	µg/L	2	GE
		Potassium	906	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB116C collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Silica	8,310	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	86,100	µg/L	0	GE
		Sulfate	2,700	µg/L	0	GE
•		Total dissolved solids	382,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	14	µg/L	0	GE
	■	Gross alpha	2.4E+01 ± 5.6E+00	pCi/L	2	GE
	■	Nonvolatile beta	5.8E+01 ± 4.7E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	6.5E+00 ± 5.0E-01	pCi/L	2	GE
	■	Tritium	1.7E+04 ± 2.0E+01	pCi/mL	2	GE

WELL HSB116D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72898.1 E55988.2	33.278354 °N 81.660975 °W	234.5-214.5 ft msl	256.8 ft msl	4" PVC	Water Table ($IIIB_2$)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 31.08 ft (9.47 m) below TOC
Water elevation: 225.72 ft (68.80 m) msl
Sp. conductance: 387 µS/cm
Water evacuated before sampling: 29 gal

Time: 16:45
pH: 3.8
Alkalinity: 0 mg/L
Water temperature: 20.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.0	pH	0	GE
		Specific conductance	385	µS/cm	1	GE
		Aluminum	2,570	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	253	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	7,530	µg/L	0	GE
		Chloride	1,640	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	9.8	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
		Fluoride	489	µg/L	0	GE
		Iron	177	µg/L	1	GE
	■	Lead	19	µg/L	2	GE
		Magnesium	2,690	µg/L	0	GE
		Manganese	825	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	18	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB116D collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
	■	Nitrate as nitrogen	40,800	µg/L	2	GE
		Potassium	2,800	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	34,600	µg/L	0	GE
		Sulfate	2,080	µg/L	0	GE
●		Total dissolved solids	224,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	73	µg/L	0	GE
	■	Gross alpha	7.3E+01 ± 2.7E+00	pCi/L	2	GE
	■	Nonvolatile beta	1.3E+04 ± 2.6E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	1.7E+02 ± 3.8E+00	pCi/L	2	GE
	■	Tritium	8.1E+03 ± 1.4E+01	pCi/mL	2	GE

WELL HSB116D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72898.1 E55988.2	33.278354 °N 81.660975 °W	234.5-214.5 ft msl	256.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/01/92
Depth to water: 32.19 ft (9.81 m) below TOC
Water elevation: 224.61 ft (68.46 m) msl
Sp. conductance: 388 µS/cm
Water evacuated before sampling: 27 gal

Time: 10:05
pH: 3.9
Alkalinity: 0 mg/L
Water temperature: 22.0°C

WELL HSB116D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72898.1 E55988.2	33.278354 °N 81.660975 °W	234.5-214.5 ft msl	256.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/08/92
Depth to water: 32.33 ft (9.85 m) below TOC
Water elevation: 224.47 ft (68.42 m) msl
Sp. conductance: 404 µS/cm
Water evacuated before sampling: 26 gal

Time: 7:35
pH: 3.6
Alkalinity: 0 mg/L
Water temperature: 21.9°C

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB117A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72733.6 E55170.1	33.276655 °N 81.662810 °W	94.1-84.1 ft msl	236.3 ft msl		M. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 69.59 ft (21.21 m) below TOC
Water elevation: 166.71 ft (50.81 m) msl
Sp. conductance: 151 µS/cm
Water evacuated before sampling: 217 gal

Time: 11:15
pH: 6.6
Alkalinity: 53 mg/L
Water temperature: 18.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.9	pH	0	GE
		Specific conductance	115	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	30	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	23,600	µg/L	0	GE
		Chloride	2,370	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	185	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	792	µg/L	0	GE
		Manganese	89	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	1,150	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	27,900	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,810	µg/L	0	GE
		Sulfate	6,300	µg/L	0	GE
		Total dissolved solids	98,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	52	µg/L	2	GE
		Total phosphates (as P)	150	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB117A collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.2E+00 ± 5.0E-01	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB117C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72740.7 E55162.9	33.276659 °N 81.662842 °W	174.0-164.0 ft msl	236.3 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 14.73 ft (4.49 m) below TOC
Water elevation: 221.57 ft (67.54 m) msl
Sp. conductance: 423 µS/cm
Water evacuated before sampling: 151 gal
Time: 11:00
pH: 4.5
Alkalinity: 0 mg/L
Water temperature: 17.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.2	pH	0	GE
		Specific conductance	1,550	µS/cm	2	GE
		Aluminum	388	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	64	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	7,200	µg/L	0	GE
		Chloride	4,630	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	4.1	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
		Fluoride	138	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	4,480	µg/L	0	GE
		Manganese	95	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	25,700	µg/L	2	GE
		Potassium	620	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	60,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	297,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE

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WELL HSB117C collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	10	µg/L	0	GE
	■	Gross alpha	3.0E+01 ± 3.2E+00	pCi/L	2	GE
	■	Nonvolatile beta	8.1E+01 ± 5.4E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	1.4E+01 ± 1.2E+00	pCi/L	2	GE
	■	Tritium	9.5E+03 ± 1.5E+01	pCi/mL	2	GE

WELL HSB117D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72747.6 E55155.6	33.276662 °N 81.662875 °W	219.1-199.1 ft msl	236.3 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 12.73 ft (3.88 m) below TOC
Water elevation: 223.57 ft (68.14 m) msl
Sp. conductance: 27 µS/cm
Water evacuated before sampling: 64 gal

Time: 11:30
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 17.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.0	pH	0	GE
•		pH	5.0	pH	0	GE
		Specific conductance	22	µS/cm	0	GE
		Specific conductance	22	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	<3.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	301	µg/L	0	GE
		Chloride	2,500	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	4.7	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	315	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	940	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,940	µg/L	0	GE

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WELL HSB117D collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Silver	<2.0	µg/L	0	GE
		Sodium	3,180	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	15,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	5.8	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	4.8	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.3E+00 ± 4.3E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.1E+00 ± 5.0E-01	pCi/L	0	GE
	■	Tritium	1.5E+02 ± 1.9E+00	pCi/mL	2	GE
	■	Tritium	1.5E+02 ± 1.9E+00	pCi/mL	2	GE

WELL HSB117D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72747.6 E55155.6	33.276662 °N 81.662875 °W	219.1-199.1 ft msl	236.3 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/01/92
Depth to water: 14.75 ft (4.50 m) below TOC
Water elevation: 221.55 ft (67.53 m) msl
Sp. conductance: 27 µS/cm
Water evacuated before sampling: 59 gal

Time: 13:40
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 17.8°C

WELL HSB117D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72747.6 E55155.6	33.276662 °N 81.662875 °W	219.1-199.1 ft msl	236.3 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/08/92
Depth to water: 14.45 ft (4.40 m) below TOC
Water elevation: 221.85 ft (67.62 m) msl
Sp. conductance: 28 µS/cm
Water evacuated before sampling: 60 gal

Time: 9:55
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 17.5°C

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB118A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72696.4 E55775.6	33.277561 °N 81.661143 °W	101.0-91.0 ft msl	247.3 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/10/92
Depth to water: 79.21 ft (24.14 m) below TOC
Water elevation: 168.09 ft (51.23 m) msl
Sp. conductance: 211 µS/cm
Water evacuated before sampling: 202 gal

Time: 9:50
pH: 6.4
Alkalinity: 51 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
●		pH	7.0	pH	0	GE
●		pH	7.0	pH	0	GE
●		pH	6.7	pH	0	WA
●		pH	6.7	pH	0	WA
●		pH	6.9	pH	0	WA
		Specific conductance	200	µS/cm	0	GE
		Specific conductance	200	µS/cm	0	GE
●		Specific conductance	188	µS/cm	0	WA
●		Specific conductance	188	µS/cm	0	WA
●		Specific conductance	187	µS/cm	0	WA
		Aluminum	<20	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
		Aluminum	<15	µg/L	0	WA
		Aluminum	<15	µg/L	0	WA
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.6	µg/L	0	WA
		Antimony	3.6	µg/L	1	WA
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	WA
		Barium	52	µg/L	0	GE
		Barium	52	µg/L	0	GE
		Barium	58	µg/L	0	WA
		Barium	56	µg/L	0	WA
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<0.35	µg/L	0	WA
		Cadmium	0.85	µg/L	0	WA
		Calcium	34,200	µg/L	0	GE
		Calcium	33,600	µg/L	0	GE
		Calcium	38,100	µg/L	0	WA
		Calcium	38,200	µg/L	0	WA
		Chloride	2,390	µg/L	0	GE
		Chloride	2,500	µg/L	0	GE
		Chloride	3,130	µg/L	0	WA
		Chloride	3,100	µg/L	0	WA
		Chromium	<4.0	µg/L	0	GE

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WELL HSB118A collected on 04/10/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chromium	<4.0	µg/L	0	GE
		Chromium	1.7	µg/L	0	WA
		Chromium	1.2	µg/L	0	WA
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<0.88	µg/L	0	WA
		Cobalt	0.92	µg/L	0	WA
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<1.1	µg/L	0	WA
		Copper	<1.1	µg/L	0	WA
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	WA
		Cyanide	<5.0	µg/L	0	WA
		Fluoride	123	µg/L	0	GE
		Fluoride	122	µg/L	0	GE
		Fluoride	129	µg/L	0	WA
		Fluoride	128	µg/L	0	WA
		Fluoride	139	µg/L	0	WA
		Iron	26	µg/L	0	GE
		Iron	27	µg/L	0	GE
		Iron	38	µg/L	0	WA
		Iron	36	µg/L	0	WA
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<2.0	µg/L	0	WA
		Lead	<2.0	µg/L	0	WA
		Magnesium	973	µg/L	0	GE
		Magnesium	969	µg/L	0	GE
		Magnesium	1,020	µg/L	0	WA
		Magnesium	1,020	µg/L	0	WA
		Manganese	54	µg/L	2	GE
		Manganese	53	µg/L	2	GE
		Manganese	59	µg/L	2	WA
		Manganese	60	µg/L	2	WA
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	WA
		Nickel	<4.0	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nickel	<3.1	µg/L	0	WA
		Nickel	<3.1	µg/L	0	WA
		Nitrate as nitrogen	8,100	µg/L	1	GE
		Nitrate as nitrogen	8,050	µg/L	1	GE
		Nitrate as nitrogen	9,190	µg/L	1	WA
		Nitrate as nitrogen	9,060	µg/L	1	WA
		Potassium	2,270	µg/L	0	GE
		Potassium	2,200	µg/L	0	GE
		Potassium	2,730	µg/L	0	WA
		Potassium	2,410	µg/L	0	WA
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE

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WELL HSB118A collected on 04/10/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Selenium	<2.0	µg/L	0	WA
		Selenium	<2.0	µg/L	0	WA
		Silica	31,900	µg/L	0	GE
		Silica	31,600	µg/L	0	GE
		Silica	31,100	µg/L	0	WA
		Silica	30,600	µg/L	0	WA
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	0.95	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Sodium	2,610	µg/L	0	GE
		Sodium	2,640	µg/L	0	GE
		Sodium	3,170	µg/L	0	WA
		Sodium	2,830	µg/L	0	WA
		Sulfate	7,040	µg/L	0	GE
		Sulfate	7,150	µg/L	0	GE
		Sulfate	7,470	µg/L	0	WA
		Sulfate	7,250	µg/L	0	WA
		Sulfate	7,420	µg/L	0	WA
		Total dissolved solids	164,000	µg/L	0	GE
		Total dissolved solids	176,000	µg/L	0	GE
		Total dissolved solids	167,000	µg/L	0	GE
		Total dissolved solids	170,000	µg/L	0	WA
		Total dissolved solids	159,000	µg/L	0	WA
		Total dissolved solids	193,000	µg/L	0	WA
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<500	µg/L	0	WA
		Total organic carbon	<500	µg/L	0	WA
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	11	µg/L	0	GE
		Total organic halogens	9.9	µg/L	0	GE
		Total organic halogens	22	µg/L	0	WA
		Total organic halogens	9.1	µg/L	0	WA
		Total phosphates (as P)	180	µg/L	0	GE
		Total phosphates (as P)	210	µg/L	0	GE
		Total phosphates (as P)	166	µg/L	0	WA
		Total phosphates (as P)	174	µg/L	0	WA
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	1.4	µg/L	0	WA
		Vanadium	1.2	µg/L	0	WA
		Zinc	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Zinc	2.6	µg/L	0	WA
		Zinc	2.8	µg/L	0	WA
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	2.9E+00±8.0E-01	pCi/L	0	TM
		Gross alpha	3.4E+00±9.0E-01	pCi/L	0	TM
		Nonvolatile beta	1.2E+01±8.7E-01	pCi/L	0	GE
		Nonvolatile beta	1.3E+01±1.0E+00	pCi/L	0	GE
		Nonvolatile beta	7.8E+00±1.0E+00	pCi/L	0	TM
		Nonvolatile beta	7.7E+00±1.0E+00	pCi/L	0	TM
		Radium-226	6.3E-01±3.1E-01	pCi/L	0	TM
		Radium-226	9.1E-01±4.1E-01	pCi/L	0	TM

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB118A collected on 04/10/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Radium-228	7.6E+00 ± 8.5E-01	pCi/L	1	TM
		Radium-228	1.0E+00 ± 6.7E-01	pCi/L	0	TM
		Total alpha-emitting radium	1.8E+00 ± 5.0E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.8E+00 ± 5.0E-01	pCi/L	0	GE
	■	Tritium	1.6E+03 ± 6.2E+00	pCi/mL	2	GE
	■	Tritium	1.6E+03 ± 6.2E+00	pCi/mL	2	GE
	■	Tritium	1.5E+03 ± 4.3E+00	pCi/mL	2	TM
	■	Tritium	2.2E+03 ± 1.1E+01	pCi/mL	2	TM

WELL HSB119A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73082.5 E56100.2	33.278944 °N 81.661038 °W	103.3-93.3 ft msl	257.1 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 89.61 ft (27.31 m) below TOC
Water elevation: 167.49 ft (51.05 m) msl
Sp. conductance: 179 µS/cm
Water evacuated before sampling: 195 gal
Time: 16:05
pH: 6.8
Alkalinity: 55 mg/L
Water temperature: 20.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.8	pH	0	GE
		Specific conductance	170	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	2.4	µg/L	0	GE
		Barium	22	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	27,100	µg/L	0	GE
		Chloride	2,700	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	194	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,460	µg/L	0	GE
		Manganese	9.2	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	2,820	µg/L	0	GE
		Potassium	2,050	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	35,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,880	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB119A collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Sulfate	3,830	µg/L	0	GE
		Total dissolved solids	126,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	12	µg/L	0	GE
		Total phosphates (as P)	640	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	7.4	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.1E+01 ± 9.0E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 4.0E-01	pCi/L	0	GE
	■	Tritium	2.5E+02 ± 2.5E+00	pCi/mL	2	GE

WELL HSB120A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73395.1 E56431.9	33.280177 °N 81.660772 °W	101.0-91.0 ft msl	268.2 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/10/92
Depth to water: 101.55 ft (30.95 m) below TOC
Water elevation: 166.65 ft (50.80 m) msl
Sp. conductance: 211 µS/cm
Water evacuated before sampling: 199 gal
Time: 10:50
pH: 7.2
Alkalinity: 86 mg/L
Water temperature: 19.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.7	pH	0	GE
		Specific conductance	208	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	35	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	37,400	µg/L	0	GE
		Chloride	2,490	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,030	µg/L	0	GE
		Manganese	21	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	2,060	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB120A collected on 04/10/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Silica	32,800	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,910	µg/L	0	GE
		Sulfate	6,170	µg/L	0	GE
		Total dissolved solids	136,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	70	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	3.4E+00 ± 2.3E-01	pCi/L	0	GE
		Nonvolatile beta	2.8E+00 ± 1.4E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB121A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72024.8 E57389.6	33.278709 °N 81.655589 °W	98.3-88.3 ft msl	274.6 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/10/92
Depth to water: 102.49 ft (31.24 m) below TOC
Water elevation: 172.11 ft (52.46 m) msl
Sp. conductance: 226 µS/cm
Water evacuated before sampling: 220 gal
Time: 11:35
pH: 7.2
Alkalinity: 97 mg/L
Water temperature: 19.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.6	pH	0	GE
		Specific conductance	218	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	51	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	40,400	µg/L	0	GE
		Chloride	2,460	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	23	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	865	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB121A collected on 04/10/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Manganese	9.4	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	2,740	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	43,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,020	µg/L	0	GE
		Sulfate	9,310	µg/L	0	GE
		Total dissolved solids	162,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	19	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.1E+00 ± 4.5E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB122A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72195.9 E57747.4	33.279671 °N 81.654979 °W	95.4-85.4 ft msl	271.6 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/10/92
Depth to water: 99.74 ft (30.40 m) below TOC
Water elevation: 171.86 ft (52.38 m) msl
Sp. conductance: 225 µS/cm
Water evacuated before sampling: 227 gal
Time: 12:20
pH: 6.9
Alkalinity: 89 mg/L
Water temperature: 19.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.3	pH	0	GE
		Specific conductance	210	µS/cm	0	GE
		Specific conductance	215	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	24	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	42,000	µg/L	0	GE
		Chloride	2,540	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE

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WELL HSB122A collected on 04/10/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	16	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	840	µg/L	0	GE
		Manganese	5.6	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	879	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	40,400	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,940	µg/L	0	GE
		Sulfate	10,200	µg/L	0	GE
		Total dissolved solids	140,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	19	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB123A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72189.8 E58124.8	33.280273 °N 81.653973 °W	102.3-92.3 ft msl	264.5 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/10/92
Depth to water: 92.26 ft (28.12 m) below TOC
Water elevation: 172.24 ft (52.50 m) msl
Sp. conductance: 215 µS/cm
Water evacuated before sampling: 210 gal
Time: 13:50
pH: 8.4
Alkalinity: 81 mg/L
Water temperature: 20.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	8.4	pH	1	GE
		Specific conductance	200	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	66	µg/L	0	GE
		Barium	66	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE

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WELL HSB123A collected on 04/10/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Cadmium	<2.0	µg/L	0	GE
		Calcium	38,500	µg/L	0	GE
		Calcium	39,000	µg/L	0	GE
		Chloride	2,520	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	111	µg/L	0	GE
		Iron	88	µg/L	0	GE
		Iron	88	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	740	µg/L	0	GE
		Magnesium	736	µg/L	0	GE
		Manganese	9.8	µg/L	0	GE
		Manganese	9.9	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	1,460	µg/L	0	GE
		Potassium	1,420	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	44,600	µg/L	0	GE
		Silica	44,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,750	µg/L	0	GE
		Sodium	2,730	µg/L	0	GE
		Sulfate	9,140	µg/L	0	GE
		Total dissolved solids	157,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	12	µg/L	0	GE
		Total phosphates (as P)	100	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

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WELL HSB124AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72199.6 E58514.6		103.0-93.0 ft msl	266.2 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/14/92
Depth to water: 94.55 ft (28.82 m) below TOC
Sp. conductance: 249 µS/cm
Water evacuated before sampling: 205 gal

Time: 8:50
pH: 7.0
Water temperature: 18.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.9	pH	0	GE
		Specific conductance	250	µS/cm	1	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	45	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	41,200	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,750	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	127	µg/L	0	GE
		Iron	7.3	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE

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WELL HSB124AR collected on 04/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	1,600	µg/L	0	GE
		Manganese	32	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	320	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,080	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	39,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	6,160	µg/L	0	GE
		Sulfate	11,600	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
•		Total dissolved solids	176,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	100	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	2.0E+00 ± 9.0E-01	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	3.2E+00 ± 9.0E-01	pCi/L	1	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

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WELL HSB125C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71503.6 E58592.8	33.279519 °N 81.651408 °W	155.6-145.6 ft msl	231.9 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/09/92
Depth to water: 8.44 ft (2.57 m) below TOC
Water elevation: 223.46 ft (68.11 m) msl
Sp. conductance: 62 µS/cm
Water evacuated before sampling: 204 gal

Time: 13:20
pH: 6.1
Alkalinity: 19 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.4	pH	0	GE
		Specific conductance	58	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	7.1	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	7,770	µg/L	0	GE
		Chloride	2,660	µg/L	0	GE
		Chromium	4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	148	µg/L	0	GE
		Iron	4.1	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,480	µg/L	0	GE
		Manganese	14	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	100	µg/L	0	GE
		Potassium	574	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	12,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,940	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	44,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	140	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	11	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE

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WELL HSB125C collected on 04/09/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Tritium	3.3E+00 ± 4.0E-01	pCi/mL	0	GE
		Tritium	3.1E+00 ± 4.0E-01	pCi/mL	0	GE

WELL HSB125D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71498.2 E58584.1	33.279492 °N 81.651421 °W	219.4-199.4 ft msl	231.7 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/09/92
Depth to water: 10.72 ft (3.27 m) below TOC
Water elevation: 220.98 ft (67.36 m) msl
Sp. conductance: 316 µS/cm
Water evacuated before sampling: 57 gal

Time: 12:45
pH: 5.0
Alkalinity: 0 mg/L
Water temperature: 18.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.2	pH	0	GE
		Specific conductance	300	µS/cm	1	GE
		Aluminum	71	µg/L	0	GE
		Aluminum	71	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	13	µg/L	0	GE
		Barium	14	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	275	µg/L	0	GE
		Calcium	278	µg/L	0	GE
		Chloride	2,770	µg/L	0	GE
		Chloride	2,810	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	35	µg/L	0	GE
		Iron	35	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	457	µg/L	0	GE
		Magnesium	461	µg/L	0	GE
		Manganese	197	µg/L	2	GE
		Manganese	199	µg/L	2	GE
		Mercury	1.8	µg/L	1	GE
		Nickel	<4.0	µg/L	0	GE

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WELL HSB125D collected on 04/09/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	32,000	µg/L	2	GE
	■	Nitrate as nitrogen	32,000	µg/L	2	GE
		Potassium	<500	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,150	µg/L	0	GE
		Silica	5,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	57,600	µg/L	0	GE
		Sodium	57,800	µg/L	0	GE
		Sulfate	7,830	µg/L	0	GE
		Sulfate	7,920	µg/L	0	GE
		Total dissolved solids	242,000	µg/L	0	GE
		Total dissolved solids	236,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	13	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	4.1	µg/L	0	GE
		Zinc	4.2	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	5.1E+01 ± 4.2E+00	pCi/L	2	GE
		Nonvolatile beta	4.7E+01 ± 3.1E+00	pCi/L	1	GE
		Total alpha-emitting radium	1.4E+00 ± 3.0E-01	pCi/L	0	GE
	■	Tritium	5.1E+03 ± 1.1E+01	pCi/mL	2	GE

WELL HSB126C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70627.7 E57178.2	33.275273 °N 81.653432 °W	181.3-176.3 ft msl	212.6 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 8.48 ft (2.58 m) below TOC
Water elevation: 204.12 ft (62.22 m) msl
Sp. conductance: 213 µS/cm
Water evacuated before sampling: 73 gal
Time: 12:15
pH: 7.4
Alkalinity: 64 mg/L
Water temperature: 17.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	8.0	pH	0	GE
		Specific conductance	180	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB126C collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	21	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	34,200	µg/L	0	GE
		Chloride	2,730	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	105	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,360	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	52,000	µg/L	2	GE
		Potassium	705	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	28,300	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	5,200	µg/L	0	GE
		Sulfate	1,430	µg/L	0	GE
		Total dissolved solids	142,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	5.3	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	9.8E+00 ± 8.5E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	3.0E+02 ± 2.7E+00	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB126D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70633.4 E57169.6	33.275272 °N 81.653466 °W	200.5-190.5 ft msl	212.7 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 6.77 ft (2.06 m) below TOC
Water elevation: 205.93 ft (62.77 m) msl
Sp. conductance: 468 µS/cm
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 12:00
pH: 4.5
Alkalinity: 0 mg/L
Water temperature: 16.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.7	pH	0	GE
		Specific conductance	400	µS/cm	1	GE
		Aluminum	425	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	103	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	8,320	µg/L	0	GE
		Chloride	3,720	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	6.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	24	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	4,150	µg/L	0	GE
		Manganese	50	µg/L	2	GE
	■	Mercury	6.8	µg/L	2	GE
	■	Mercury	6.5	µg/L	2	GE
		Nickel	8.5	µg/L	0	GE
	■	Nitrate as nitrogen	59,000	µg/L	2	GE
	■	Nitrate as nitrogen	57,000	µg/L	2	GE
		Potassium	739	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,620	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	69,100	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	364,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	6.4	µg/L	0	GE
		Total phosphates (as P)	60	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB126D collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Zinc	12	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.6E+01 ± 1.3E+00	pCi/L	1	GE
		Nonvolatile beta	2.6E+01 ± 8.1E-01	pCi/L	1	GE
		Total alpha-emitting radium	3.5E+00 ± 1.4E+00	pCi/L	1	GE
	■	Tritium	5.4E+03 ± 1.1E+01	pCi/mL	2	GE

WELL HSB127C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71210.1 E56792.1	33.275932 °N 81.655580 °W	158.4-148.4 ft msl	225.7 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 15.33 ft (4.67 m) below TOC
Water elevation: 210.37 ft (64.12 m) msl
Sp. conductance: 274 µS/cm
Water evacuated before sampling: 163 gal

Time: 14:25
pH: 7.6
Alkalinity: 86 mg/L
Water temperature: 19.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
●		pH	7.8	pH	0	GE
		Specific conductance	258	µS/cm	1	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	17	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	47,000	µg/L	0	GE
		Chloride	3,300	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	809	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	9,900	µg/L	1	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	15,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,940	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE

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WELL HSB127C collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total dissolved solids	178,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	3.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.8E+01 ± 1.1E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	1.0E+03 ± 5.0E+00	pCi/mL	2	GE

WELL HSB127D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71218.9 E56788.0	33.275945 °N 81.655608 °W	217.8-197.8 ft msl	226.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 7.57 ft (2.31 m) below TOC
Water elevation: 218.53 ft (66.61 m) msl
Sp. conductance: 227 µS/cm
Water evacuated before sampling: 54 gal

Time: 14:00
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 18.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.9	pH	0	GE
		Specific conductance	162	µS/cm	0	GE
		Aluminum	129	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	16	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,460	µg/L	0	GE
		Chloride	1,920	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	4.7	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	22	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,360	µg/L	0	GE
		Manganese	349	µg/L	2	GE
	■	Mercury	3.4	µg/L	2	GE
		Nickel	5.9	µg/L	0	GE
	■	Nitrate as nitrogen	26,000	µg/L	2	GE
		Potassium	604	µg/L	0	GE

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WELL HSB127D collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Selenium	<2.0	µg/L	0	GE
		Silica	6,310	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	37,400	µg/L	0	GE
		Sulfate	5,350	µg/L	0	GE
		Total dissolved solids	172,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	3.9	µg/L	0	GE
		Gross alpha	8.1E+00 ± 2.1E+00	pCi/L	1	GE
	■	Nonvolatile beta	6.1E+01 ± 4.5E+00	pCi/L	2	GE
		Total alpha-emitting radium	3.6E+00 ± 1.5E+00	pCi/L	1	GE
	■	Tritium	8.0E+03 ± 1.4E+01	pCi/mL	2	GE

WELL HSB129C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71830.4 E55110.0	33.274559 °N 81.661214 °W	157.8-147.8 ft msl	215.1 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 18.23 ft (5.56 m) below TOC
Water elevation: 196.87 ft (60.01 m) msl
Sp. conductance: 210 µS/cm
Water evacuated before sampling: 153 gal
Time: 15:55
pH: 5.4
Alkalinity: 1 mg/L
Water temperature: 20.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.5	pH	0	GE
		Specific conductance	180	µS/cm	0	GE
		Aluminum	94	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	56	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	16,800	µg/L	0	GE
		Chloride	4,010	µg/L	0	GE
		Chloride	4,020	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	104	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	4,110	µg/L	0	GE
		Manganese	47	µg/L	1	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB129C collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Mercury	<0.20	µg/L	0	GE
		Nickel	7.5	µg/L	0	GE
	■	Nitrate as nitrogen	21,000	µg/L	2	GE
		Potassium	1,450	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	11,500	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
•		Total dissolved solids	166,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	120	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	92	µg/L	0	GE
		Gross alpha	2.9E+00 ± 3.2E-01	pCi/L	0	GE
		Nonvolatile beta	3.2E+01 ± 7.4E-01	pCi/L	1	GE
		Total alpha-emitting radium	2.4E+00 ± 7.0E-01	pCi/L	0	GE
	■	Tritium	2.4E+03 ± 7.6E+00	pCi/mL	2	GE

WELL HSB129D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71837.1 E55103.4	33.274563 °N 81.661244 °W	205.2-185.2 ft msl	214.7 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 5.53 ft (1.69 m) below TOC
Water elevation: 209.17 ft (63.76 m) msl
Sp. conductance: 330 µS/cm
Water evacuated before sampling: 63 gal

Time: 14:55
pH: 4.3
Alkalinity: 0 mg/L
Water temperature: 17.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.7	pH	0	GE
		Specific conductance	288	µS/cm	1	GE
		Aluminum	152	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	35	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	2,940	µg/L	0	GE
		Chloride	4,200	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB129D collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Iron	5.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	2,450	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	0.51	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	40,000	µg/L	2	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,870	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	53,500	µg/L	0	GE
		Sulfate	1,260	µg/L	0	GE
•		Total dissolved solids	265,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	3.4E+00 ± 1.5E+00	pCi/L	0	GE
	■	Nonvolatile beta	5.2E+01 ± 3.9E+00	pCi/L	2	GE
		Total alpha-emitting radium	3.3E+00 ± 9.0E-01	pCi/L	1	GE
		Total alpha-emitting radium	2.9E+00 ± 1.0E+00	pCi/L	1	GE
	■	Tritium	6.9E+03 ± 1.3E+01	pCi/mL	2	GE

WELL HSB130C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70762.4 E54643.6	33.271436 °N 81.660367 °W	169.9-159.9 ft msl	218.3 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/10/92
Depth to water: 18.23 ft (5.56 m) below TOC
Water elevation: 200.07 ft (60.98 m) msl
Sp. conductance: 168 µS/cm
Water evacuated before sampling: 105 gal
Time: 14:25
pH: 7.8
Alkalinity: 69 mg/L
Water temperature: 18.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	8.0	pH	1	GE
		Specific conductance	160	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	23	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	30,500	µg/L	0	GE
		Chloride	2,070	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB130C collected on 04/10/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloride	2,010	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	700	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	200	µg/L	0	GE
		Potassium	857	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	14,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,170	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	93,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	11	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB130D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70757.2 E54651.7	33.271438 °N 81.660336 °W	202.1-182.1 ft msl	218.6 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/10/92
Depth to water: 18.15 ft (5.53 m) below TOC
Water elevation: 200.45 ft (61.10 m) msl
Sp. conductance: 88 µS/cm
Water evacuated before sampling: 48 gal
Time: 15:15
pH: 6.2
Alkalinity: 32 mg/L
Water temperature: 19.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.8	pH	0	GE
		Specific conductance	89	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB130D collected on 04/10/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	8.6	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	14,300	µg/L	0	GE
		Chloride	1,590	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	725	µg/L	0	GE
		Manganese	3.2	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	330	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,340	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	55,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	.15	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.1E+01 ± 6.0E-01	pCi/mL	1	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB131C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70374.7 E56894.9	33.274252 °N 81.653687 °W	158.5-148.5 ft msl	211.7 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/03/92
Depth to water: 7.82 ft (2.38 m) below TOC
Water elevation: 203.88 ft (62.14 m) msl
Sp. conductance: 227 µS/cm
Water evacuated before sampling: 145 gal

Time: 15:30
pH: 7.8
Alkalinity: 85 mg/L
Water temperature: 17.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	8.0	pH	1	GE
		Specific conductance	188	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	22	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	38,200	µg/L	0	GE
		Chloride	2,600	µg/L	0	GE
		Chloride	2,620	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	697	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	2,940	µg/L	0	GE
		Potassium	632	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	16,400	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,510	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	143,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	70	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	1.8E+02 ± 2.0E+00	pCi/mL	2	GE

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WELL HSB131D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70365.0 E56891.1	33.274224 °N 81.653678 °W	205.7-195.7 ft msl	212.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/03/92
Depth to water: 6.79 ft (2.07 m) below TOC
Water elevation: 205.31 ft (62.58 m) msl
Sp. conductance: 28 µS/cm
Water evacuated before sampling: 25 gal

Time: 15:45
pH: 4.7
Alkalinity: 0 mg/L
Water temperature: 14.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.4	pH	0	GE
		Specific conductance	22	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	24	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,500	µg/L	0	GE
		Chloride	1,240	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	290	µg/L	0	GE
		Iron	123	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	674	µg/L	0	GE
		Manganese	8.7	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	280	µg/L	0	GE
		Nitrate as nitrogen	290	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,190	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	804	µg/L	0	GE
		Sulfate	2,620	µg/L	0	GE
		Total dissolved solids	21,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	2.6	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE

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WELL HSB131D collected on 04/03/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Tritium	8.6E+00 ± 5.0E-01	pCi/mL	0	GE

WELL HSB131D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70365.0 E56891.1	33.274224 °N 81.653678 °W	205.7-195.7 ft msl	212.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/02/92
Depth to water: 7.94 ft (2.42 m) below TOC
Water elevation: 204.16 ft (62.23 m) msl
Sp. conductance: 28 µS/cm
Water evacuated before sampling: 22 gal

Time: 14:25
pH: 4.9
Alkalinity: 1 mg/L
Water temperature: 20.6°C

WELL HSB131D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70365.0 E56891.1	33.274224 °N 81.653678 °W	205.7-195.7 ft msl	212.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 06/08/92
Depth to water: 7.05 ft (2.15 m) below TOC
Water elevation: 205.05 ft (62.50 m) msl
Sp. conductance: 25 µS/cm
Water evacuated before sampling: 25 gal

Time: 9:30
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 18.1°C

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB132C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71472.4 E58787.7	33.279768 °N 81.650835 °W	178.6-168.6 ft msl	240.5 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/03/92
Depth to water: 19.01 ft (5.79 m) below TOC
Water elevation: 221.49 ft (67.51 m) msl
Sp. conductance: 34 µS/cm
Water evacuated before sampling: 139 gal

Time: 11:40
pH: 4.4
Alkalinity: 1 mg/L
Water temperature: 17.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.7	pH	0	GE
•		pH	5.8	pH	0	GE
		Specific conductance	25	µS/cm	0	GE
		Specific conductance	25	µS/cm	0	GE
		Aluminum	67	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	4.4	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	707	µg/L	0	GE
		Chloride	2,570	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	18	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	306	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	110	µg/L	0	GE
		Potassium	621	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,610	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,740	µg/L	0	GE
		Sulfate	2,090	µg/L	0	GE
		Total dissolved solids	22,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	210	µg/L	0	GE
		Total phosphates (as P)	210	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	12	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE

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WELL HSB132C collected on 04/03/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB132D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71469.5 E58799.3	33.279780 °N 81.650798 °W	226.5-206.5 ft msl	240.7 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/03/92
Depth to water: 19.58 ft (5.97 m) below TOC
Water elevation: 221.12 ft (67.40 m) msl
Sp. conductance: 23 µS/cm
Water evacuated before sampling: 38 gal
Time: 10:50
pH: 4.1
Alkalinity: 1 mg/L
Water temperature: 18.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.4	pH	0	GE
		Specific conductance	20	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	6.4	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	524	µg/L	0	GE
		Chloride	2,090	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	378	µg/L	0	GE
		Manganese	8.8	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	770	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,880	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,810	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	20,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	35	µg/L	1	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE

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WELL HSB132D collected on 04/03/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Zinc	7.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	2.0E+01 ± 8.0E-01	pCi/mL	1	GE

WELL HSB133C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71949.5 E59110.3	33.281349 °N 81.650912 °W	183.3-173.3 ft msl	255.6 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/03/92
Depth to water: 20.05 ft (6.11 m) below TOC
Water elevation: 235.55 ft (71.80 m) msl
Sp. conductance: 44 µS/cm
Water evacuated before sampling: 150 gal
Time: 15:05
pH: 5.5
Alkalinity: 7 mg/L
Water temperature: 18.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.2	pH	0	GE
•		pH	6.2	pH	0	GE
		Specific conductance	35	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	5.5	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	3,800	µg/L	0	GE
		Chloride	2,690	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	106	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	495	µg/L	0	GE
		Manganese	5.3	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	1,180	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	14,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,330	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	33,000	µg/L	0	GE

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WELL HSB133C collected on 04/03/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	140	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	4.8	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB133D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71943.5 E59102.3	33.281323 °N 81.650921 °W	228.5-208.5 ft msl	255.3 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/03/92
Depth to water: 19.90 ft (6.07 m) below TOC
Water elevation: 235.40 ft (71.75 m) msl
Sp. conductance: 72 µS/cm
Water evacuated before sampling: 76 gal

Time: 14:20
pH: 5.3
Alkalinity: 6 mg/L
Water temperature: 18.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.9	pH	C	GE
		Specific conductance	57	µS/cm	0	GE
		Specific conductance	57	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	<3.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,610	µg/L	0	GE
		Chloride	5,700	µg/L	0	GE
		Chloride	5,600	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	13	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	133	µg/L	0	GE
		Manganese	4.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE

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WELL HSB133D collected on 04/03/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Nitrate as nitrogen	500	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,280	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	10,000	µg/L	0	GE
		Sulfate	6,620	µg/L	0	GE
		Sulfate	6,620	µg/L	0	GE
		Total dissolved solids	45,000	µg/L	0	GE
		Total dissolved solids	44,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	13	µg/L	0	GE
		Total organic halogens	13	µg/L	0	GE
		Total phosphates (as P)	80	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 4.0E-01	pCi/L	0	GE
	■	Tritium	3.3E+01 ± 1.0E+00	pCi/mL	2	GE

WELL HSB134C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71210.3 E58289.9	33.278376 °N 81.651636 °W	159.1-149.1 ft msl	238.4 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/09/92
Depth to water: 17.57 ft (5.36 m) below TOC
Water elevation: 220.83 ft (67.31 m) msl
Sp. conductance: 46 µS/cm
Water evacuated before sampling: 188 gal
Time: 14:20
pH: 5.5
Alkalinity: 5 mg/L
Water temperature: 19.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.9	pH	0	GE
		Specific conductance	43	µS/cm	0	GE
		Aluminum	26	µg/L	0	GE
		Aluminum	26	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	7.6	µg/L	0	GE
		Barium	7.6	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	3,400	µg/L	0	GE
		Calcium	3,440	µg/L	0	GE
		Chloride	2,940	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB134C collected on 04/09/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,090	µg/L	0	GE
		Magnesium	1,080	µg/L	0	GE
		Manganese	20	µg/L	0	GE
		Manganese	20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,440	µg/L	0	GE
		Potassium	733	µg/L	0	GE
		Potassium	701	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	14,700	µg/L	0	GE
		Silica	14,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,210	µg/L	0	GE
		Sodium	2,190	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	45,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	60	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	3.7	µg/L	0	GE
		Zinc	3.7	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	4.3E+01 ± 1.1E+00	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB134D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71217.3 E58296.5	33.278402 °N 81.651633 °W	225.8-205.8 ft msl	238.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/09/92
Depth to water: 15.74 ft (4.80 m) below TOC
Water elevation: 222.36 ft (67.78 m) msl
Sp. conductance: 144 µS/cm
Water evacuated before sampling: 43 gal

Time: 14:00
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 18.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.6	pH	0	GE
		Specific conductance	132	µS/cm	0	GE
		Aluminum	244	µg/L	2	GE
		Aluminum	242	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	26	µg/L	0	GE
		Barium	26	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	407	µg/L	0	GE
		Calcium	410	µg/L	0	GE
		Chloride	2,320	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	21	µg/L	0	GE
		Iron	20	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	789	µg/L	0	GE
		Magnesium	781	µg/L	0	GE
		Manganese	67	µg/L	2	GE
		Manganese	67	µg/L	2	GE
		Mercury	0.48	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	15,800	µg/L	2	GE
		Potassium	<500	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,180	µg/L	0	GE
		Silica	6,190	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB134D collected on 04/09/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Sodium	22,200	µg/L	0	GE
		Sodium	21,900	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	103,000	µg/L	0	GE
		Total dissolved solids	104,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	38	µg/L	1	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	3.3E+00 ± 5.2E-01	pCi/L	0	GE
	■	Nonvolatile beta	3.2E+02 ± 4.0E+00	pCi/L	2	GE
	■	Total alpha-emitting radium	1.1E+01 ± 1.0E+00	pCi/L	2	GE
	■	Tritium	1.6E+03 ± 6.1E+00	pCi/mL	2	GE

WELL HSB135C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71390.2 E56560.8	33.275953 °N 81.656539 °W	157.3-147.3 ft msl	232.0 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 25.02 ft (7.63 m) below TOC
Water elevation: 206.98 ft (63.09 m) msl
Sp. conductance: 205 µS/cm
Water evacuated before sampling: 157 gal
Time: 11:55
pH: 7.7
Alkalinity: 88 mg/L
Water temperature: 19.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
●		pH	7.8	pH	0	GE
		Specific conductance	200	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	17	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	37,600	µg/L	0	GE
		Chloride	2,680	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	7.6	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	519	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE

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WELL HSB135C collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	680	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	28,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,690	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	138,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	30	µg/L	1	GE
		Total phosphates (as P)	430	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	4.3E+00 ± 6.2E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	5.1E+01 ± 1.2E+00	pCi/mL	2	GE

WELL HSB135D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71396.7 E56552.8	33.275954 °N 81.656572 °W	219.9-199.9 ft msl	232.3 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 13.74 ft (4.19 m) below TOC
Water elevation: 218.56 ft (66.62 m) msl
Sp. conductance: 53 µS/cm
Water evacuated before sampling: 49 gal
Time: 11:35
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 18.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.3	pH	0	GE
		Specific conductance	50	µS/cm	0	GE
		Aluminum	75	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	7.6	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	339	µg/L	0	GE
		Chloride	2,360	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE

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WELL HSB135D collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Fluoride	<100	µg/L	0	GE
		Iron	4.5	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	393	µg/L	0	GE
		Manganese	22	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	3,900	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,270	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	7,740	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	38,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	6.3	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	6.8E+01 ± 2.0E+00	pCi/L	2	GE
	■	Nonvolatile beta	6.5E+01 ± 1.4E+00	pCi/L	2	GE
		Total alpha-emitting radium	1.8E+00 ± 9.0E-01	pCi/L	0	GE
	■	Tritium	3.4E+02 ± 2.9E+00	pCi/mL	2	GE

WELL HSB136C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71900.3 E55949.6	33.276084 °N 81.659139 °W	170.5-160.5 ft msl	227.9 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/27/92
Depth to water: 10.18 ft (3.10 m) below TOC
Water elevation: 217.72 ft (66.36 m) msl
Sp. conductance: 421 µS/cm
Water evacuated before sampling: 153 gal
Time: 15:50
pH: 5.7
Alkalinity: 11 mg/L
Water temperature: 19.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.6	pH	0	GE
		Specific conductance	355	µS/cm	1	GE
		Aluminum	57	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	75	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB136C collected on 04/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Calcium	14,400	µg/L	0	GE
		Chloride	3,810	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	104	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	4,380	µg/L	0	GE
		Manganese	79	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	4.3	µg/L	0	GE
	■	Nitrate as nitrogen	44,100	µg/L	2	GE
	■	Nitrate as nitrogen	44,200	µg/L	2	GE
		Potassium	2,510	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	58,600	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	330,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	36	µg/L	1	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	19	µg/L	0	GE
		Gross alpha	6.9E+00 ± 2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	5.2E+01 ± 4.2E+00	pCi/L	2	GE
		Total alpha-emitting radium	3.3E+00 ± 7.0E-01	pCi/L	1	GE
	■	Tritium	1.0E+04 ± 1.6E+01	pCi/mL	2	GE

WELL HSB136D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71906.0 E55941.7	33.276084 °N 81.659171 °W	220.2-200.2 ft msl	228.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/27/92
Depth to water: 6.84 ft (2.08 m) below TOC
Water elevation: 221.16 ft (67.41 m) msl
Sp. conductance: 285 µS/cm
Water evacuated before sampling: 55 gal
Time: 14:10
pH: 3.8
Alkalinity: 0 mg/L
Water temperature: 17.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.2	pH	0	GE
		Specific conductance	248	µS/cm	0	GE
		Aluminum	3,920	µg/L	2	GE

~~3~~ = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB136D collected on 04/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	88	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	2,970	µg/L	0	GE
		Chloride	1,930	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	8.5	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	316	µg/L	0	GE
		Iron	4.3	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	1,230	µg/L	0	GE
		Manganese	400	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	14	µg/L	0	GE
	■	Nitrate as nitrogen	28,400	µg/L	2	GE
		Potassium	1,540	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	25,600	µg/L	0	GE
		Sulfate	3,830	µg/L	0	GE
		Total dissolved solids	163,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	24	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	42	µg/L	0	GE
	■	Gross alpha	9.6E+01 ± 4.6E+00	pCi/L	2	GE
	■	Gross alpha	9.6E+01 ± 6.9E+00	pCi/L	2	GE
	■	Nonvolatile beta	2.8E+03 ± 2.0E+01	pCi/L	2	GE
	■	Nonvolatile beta	2.8E+03 ± 2.9E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	5.5E+01 ± 2.7E+00	pCi/L	2	GE
	■	Tritium	6.2E+03 ± 1.2E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB137C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72269.9 E55700.2	33.276494 °N 81.660513 °W	173.8-163.8 ft msl	236.0 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/21/92
Depth to water: 15.59 ft (4.75 m) below TOC
Water elevation: 220.41 ft (67.18 m) msl
Sp. conductance: 526 µS/cm
Water evacuated before sampling: 149 gal

Time: 12:40
pH: 5.2
Alkalinity: 4 mg/L
Water temperature: 20.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.2	pH	0	GE
		Specific conductance	420	µS/cm	1	GE
		Aluminum	83	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	62	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	27,400	µg/L	0	GE
		Chloride	3,460	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	4,880	µg/L	0	GE
		Manganese	67	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	8.4	µg/L	0	GE
	■	Nitrate as nitrogen	64,000	µg/L	2	GE
		Potassium	1,330	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	63,200	µg/L	0	GE
		Sulfate	4,030	µg/L	0	GE
		Total dissolved solids	450,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	43	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	1.6E+02 ± 1.8E+00	pCi/L	2	GE
		Total alpha-emitting radium	2.0E+00 ± 1.2E+00	pCi/L	0	GE
	■	Tritium	1.2E+04 ± 1.7E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB137D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72278.9 E55696.1	33.276508 °N 81.660542 °W	225.3-205.3 ft msl	236.6 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/21/92
Depth to water: 14.34 ft (4.37 m) below TOC
Water elevation: 222.26 ft (67.75 m) msl
Sp. conductance: 144 µS/cm
Water evacuated before sampling: 45 gal

Time: 10:40
pH: 4.3
Alkalinity: 0 mg/L
Water temperature: 18.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.1	pH	0	GE
		Specific conductance	90	µS/cm	0	GE
		Aluminum	105	µg/L	1	GE
		Aluminum	105	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	17	µg/L	0	GE
		Barium	17	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,990	µg/L	0	GE
		Calcium	2,000	µg/L	0	GE
		Chloride	2,040	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	126	µg/L	0	GE
		Copper	127	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	5.1	µg/L	0	GE
		Iron	4.8	µg/L	0	GE
	■	Lead	24	µg/L	2	GE
		Magnesium	1,780	µg/L	0	GE
		Magnesium	1,790	µg/L	0	GE
		Manganese	69	µg/L	2	GE
		Manganese	70	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	5.9	µg/L	0	GE
		Nickel	4.7	µg/L	0	GE
	■	Nitrate as nitrogen	10,000	µg/L	2	GE
		Potassium	666	µg/L	0	GE
		Potassium	678	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,100	µg/L	0	GE
		Silica	8,130	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB137D collected on 04/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Sodium	23,300	µg/L	0	GE
		Sodium	23,500	µg/L	0	GE
		Sulfate	1,360	µg/L	0	GE
		Total dissolved solids	103,000	µg/L	0	GE
		Total organic carbon	5,000	µg/L	1	GE
•		Total organic halogens	<5.0	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	127	µg/L	0	GE
		Zinc	127	µg/L	0	GE
		Gross alpha	4.1E+00 ± 1.0E+00	pCi/L	0	GE
	■	Nonvolatile beta	8.4E+01 ± 3.5E+00	pCi/L	2	GE
		Total alpha-emitting radium	3.6E+00 ± 1.4E+00	pCi/L	1	GE
	■	Tritium	3.7E+03 ± 9.4E+00	pCi/mL	2	GE

WELL HSB138D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73160.2 E55260.7	33.277746 °N 81.663400 °W	228.1-208.1 ft msl	252.4 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 28.13 ft (8.57 m) below TOC
Water elevation: 224.27 ft (68.36 m) msl
Sp. conductance: 49 µS/cm
Water evacuated before sampling: 42 gal
Time: 10:00
pH: 4.9
Alkalinity: 1 mg/L
Water temperature: 18.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.3	pH	0	GE
		Specific conductance	65	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	8.3	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,410	µg/L	0	GE
		Chloride	2,190	µg/L	0	GE
		Chloride	2,180	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	7.5	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	5.2	µg/L	0	GE
		Magnesium	459	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB138D collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Manganese	6.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	4,750	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,990	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	13,400	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Total dissolved solids	39,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	51	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.6E+00 ± 6.3E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	9.4E+02 ± 4.7E+00	pCi/mL	2	GE

WELL HSB139A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71127.4 E57365.4	33.276684 °N 81.653910 °W	97.6-87.6 ft msl	233.7 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 59.27 ft (18.07 m) below TOC
Water elevation: 174.43 ft (53.17 m) msl
Sp. conductance: 229 µS/cm
Water evacuated before sampling: 228 gal
Time: 11:10
pH: 7.6
Alkalinity: 102 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
●		pH	7.9	pH	0	GE
		Specific conductance	210	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	21	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	42,600	µg/L	0	GE
		Chloride	2,490	µg/L	0	GE
		Chloride	2,530	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB139A collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	721	µg/L	0	GE
		Manganese	5.4	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Potassium	1,320	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	39,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,280	µg/L	0	GE
		Sulfate	3,790	µg/L	0	GE
		Sulfate	3,800	µg/L	0	GE
		Total dissolved solids	140,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	25	µg/L	1	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

WELL HSB139C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71129.8 E57374.5	33.276704 °N 81.653890 °W	158.5-148.5 ft msl	233.8 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 19.19 ft (5.85 m) below TOC
Water elevation: 214.61 ft (65.41 m) msl
Sp. conductance: 422 µS/cm
Water evacuated before sampling: 30 gal
The well went dry during purging.

Time: 11:20
pH: 5.4
Alkalinity: 4 mg/L
Water temperature: 19.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.6	pH	0	GE
•		pH	5.6	pH	0	GE
		Specific conductance	340	µS/cm	1	GE
		Aluminum	135	µg/L	1	GE
		Aluminum	134	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB139C collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	76	µg/L	0	GE
		Barium	76	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	20,700	µg/L	0	GE
		Calcium	20,600	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	5,200	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	5.1	µg/L	0	GE
		Cobalt	4.9	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.1	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	147	µg/L	0	GE
		Iron	5.4	µg/L	0	GE
		Iron	5.4	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	6,770	µg/L	0	GE
		Magnesium	6,780	µg/L	0	GE
		Manganese	264	µg/L	2	GE
		Manganese	263	µg/L	2	GE
		Mercury	0.86	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	12	µg/L	0	GE
		Nickel	12	µg/L	0	GE
	■	Nitrate as nitrogen	50,000	µg/L	2	GE

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WELL HSB139C collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
	■	Nitrate as nitrogen	48,000	µg/L	2	GE
		Phenols	≤5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,780	µg/L	0	GE
		Potassium	1,760	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,900	µg/L	0	GE
		Silica	10,900	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	44,200	µg/L	0	GE
		Sodium	44,500	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
	■	Tetrachloroethylene	8.8	µg/L	2	GE
		Toluene	<1.0	µg/L	0	GE
●		Total dissolved solids	317,000	µg/L	0	GE
●		Total dissolved solids	348,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	5.8	µg/L	0	GE
		Total phosphates (as P)	200	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	1.4	µg/L	0	GE
		Trichlorofluoromethane	2.4	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	48	µg/L	0	GE
		Zinc	48	µg/L	0	GE
		Gross alpha	5.2E+00 ± 1.9E+00	pCi/L	0	GE
		Nonvolatile beta	4.0E+01 ± 3.8E+00	pCi/L	1	GE
		Total alpha-emitting radium	1.3E+00 ± 5.0E-01	pCi/L	0	GE
	■	Tritium	3.3E+03 ± 8.8E+00	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB139D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71133.2 E57384.4	33.276728 °N 81.653871 °W	226.7-206.7 ft msl	233.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 9.33 ft (2.84 m) below TOC
Water elevation: 224.47 ft (68.42 m) msl
Sp. conductance: 39 µS/cm
Water evacuated before sampling: 47 gal

Time: 10:55
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 17.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.3	pH	0	GE
		Specific conductance	38	µS/cm	0	GE
		Aluminum	41	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	11	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,550	µg/L	0	GE
		Chloride	3,050	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	15	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	702	µg/L	0	GE
		Manganese	27	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	620	µg/L	0	GE
		Nitrate as nitrogen	570	µg/L	0	GE
		Potassium	609	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,290	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,720	µg/L	0	GE
		Sulfate	2,290	µg/L	0	GE
		Total dissolved solids	21,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	6.3	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB139D collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.7E+01 ± 7.0E-01	pCi/mL	1	GE

WELL HSB140A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70050.3 E56535.4	33.272948 °N 81.654003 °W	91.0-81.0 ft msl	235.9 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 59.70 ft (18.20 m) below TOC
Water elevation: 176.20 ft (53.71 m) msl
Sp. conductance: 160 µS/cm
Water evacuated before sampling: 250 gal
Time: 11:35
pH: 6.7
Alkalinity: 61 mg/L
Water temperature: 19.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.3	pH	0	GE
•		pH	7.3	pH	0	GE
		Specific conductance	132	µS/cm	0	GE
		Specific conductance	130	µS/cm	0	GE
		Aluminum	34	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	2.6	µg/L	0	GE
		Arsenic	2.5	µg/L	0	GE
		Barium	47	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	26,500	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	2,420	µg/L	0	GE
		Chloride	2,450	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB140A collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	115	µg/L	0	GE
		Fluoride	106	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	614	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	3,570	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	29,300	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,710	µg/L	0	GE
		Sulfate	7,880	µg/L	0	GE
		Sulfate	7,860	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	105,000	µg/L	0	GE
		Total dissolved solids	102,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	190	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	3.6E+00 ± 4.2E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

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WELL HSB140C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70049.2 E56551.8	33.272972 °N 81.653958 °W	171.6-161.6 ft msl	235.6 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 29.84 ft (9.10 m) below TOC
Water elevation: 205.76 ft (62.72 m) msl
Sp. conductance: 24 µS/cm
Water evacuated before sampling: 116 gal

Time: 11:05
pH: 4.9
Alkalinity: 3 mg/L
Water temperature: 19.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.0	pH	0	GE
		Specific conductance	20	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	8.5	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,760	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	1,980	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.4	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB140C collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	349	µg/L	0	GE
		Manganese	6.2	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	570	µg/L	0	GE
		Nitrate as nitrogen	550	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	537	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,620	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	1.1	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	5,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	7.4	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	2.5E+00 ± 4.0E-01	pCi/mL	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB140D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70036.0 E56560.6	33.272957 °N 81.653909 °W	214.1-194.1 ft msl	236.2 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 22.55 ft (6.87 m) below TOC
Water elevation: 213.65 ft (65.12 m) msl
Sp. conductance: 19 µS/cm
Water evacuated before sampling: 51 gal

Time: 11:20
pH: 4.2
Alkalinity: 0 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.1	pH	0	GE
		Specific conductance	15	µS/cm	0	GE
		Aluminum	69	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	4.6	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	399	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	1,590	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.1	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB140D collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Iron	29	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	432	µg/L	0	GE
		Manganese	2.9	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	550	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,160	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	993	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	16,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	2.2	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.6E+01 ± 7.0E-01	pCi/mL	1	GE

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WELL HSB141A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71213.6 E59168.7	33.279817 °N 81.649329 °W	90.6-80.6 ft msl	254.6 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/27/92
Depth to water: 79.51 ft (24.23 m) below TOC
Water elevation: 175.09 ft (53.37 m) msl
Sp. conductance: 867 µS/cm
Water evacuated before sampling: 248 gal

Time: 13:45
pH: 11.4
Alkalinity: 192 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	12	pH	2	GE
		Specific conductance	800	µS/cm	2	GE
		Aluminum	2,730	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	57	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	67,800	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	16,000	µg/L	2	GE
		Chloride	2,010	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.1	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	122	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB141A collected on 04/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	9.1	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	10,600	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,250	µg/L	0	GE
		Sulfate	6,210	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	209,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	26	µg/L	1	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	11	µg/L	0	GE
		Zinc	3.8	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	8.0E+00 ± 7.4E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB141C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71196.7 E59170.2	33.279782 °N 81.649292 °W	164.7-154.7 ft msl	254.7 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/17/92
Depth to water: 26.26 ft (8.00 m) below TOC
Water elevation: 228.44 ft (69.63 m) msl
Sp. conductance: 1176 µS/cm
Water evacuated before sampling: 41 gal
The well went dry during purging.

Time: 11:10
pH: 11.6
Alkalinity: 252 mg/L
Water temperature: 18.5°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	12	pH	2	GE
		Specific conductance	1,100	µS/cm	2	GE
		Aluminum	2,810	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	88	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	34,100	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	41,200	µg/L	2	GE
		Carbonate	48,400	µg/L	2	GE
		Chloride	1,850	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.8	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	108	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB141C collected on 04/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Iron	4.1	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	24	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	100	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	12,800	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,460	µg/L	0	GE
		Silver	2.1	µg/L	0	GE
		Sodium	21,100	µg/L	0	GE
		Sulfate	16,300	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	299,000	µg/L	0	GE
		Total organic carbon	1,000	µg/L	0	GE
		Total organic halogens	5.3	µg/L	0	GE
		Total organic halogens	15	µg/L	0	GE
		Total phosphates (as P)	60	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	20	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.5E+01 ± 1.8E+00	pCi/L	0	GE
		Total alpha-emitting radium	2.4E+00 ± 5.0E-01	pCi/L	0	GE
		Tritium	1.5E+00 ± 4.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB141D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71184.4 E59170.9	33.279756 °N 81.649266 °W	237.8-217.8 ft msl	254.8 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/17/92
Depth to water: 14.69 ft (4.48 m) below TOC
Water elevation: 240.11 ft (73.19 m) msl
Sp. conductance: 28 µS/cm
Water evacuated before sampling: 14 gal
The well went dry during purging.

Time: 11:25
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 18.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.3	pH	0	GE
		Specific conductance	25	µS/cm	0	GE
		Specific conductance	22	µS/cm	0	GE
		Aluminum	126	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	4.3	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	544	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	2,010	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.5	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB141D collected on 04/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Fluoride	<100	µg/L	0	GE
		Iron	62	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	353	µg/L	0	GE
		Manganese	5.9	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	320	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,840	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,650	µg/L	0	GE
		Sulfate	1,910	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	18,000	µg/L	0	GE
		Total organic carbon	2,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	7.3	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.2E+00 ± 1.4E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	2.1E+01 ± 8.0E-01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB142C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73119.0 E53505.3	33.274791 °N 81.667942 °W	171.6-161.6 ft msl	204.0 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 5.27 ft (1.61 m) below TOC
Water elevation: 198.73 ft (60.57 m) msl
Sp. conductance: 26 µS/cm
Water evacuated before sampling: 97 gal
Time: 13:45
pH: 4.7
Alkalinity: 1 mg/L
Water temperature: 17.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.3	pH	0	GE
•		pH	5.3	pH	0	GE
		Specific conductance	22	µS/cm	0	GE
		Specific conductance	22	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	<3.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,420	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	2,510	µg/L	0	GE
		Chloride	2,540	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB142C collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	398	µg/L	0	GE
		Manganese	5.1	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	300	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,900	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,810	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	19,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	5.1	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	5.2	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB142D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73113.0 E53493.1	33.274758 °N 81.667962 °W	199.7-189.7 ft msl	204.2 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 6.13 ft (1.87 m) below TOC
Water elevation: 198.07 ft (60.37 m) msl
Sp. conductance: 48 µS/cm
Water evacuated before sampling: 3 gal
The well went dry during purging.

Time: 13:55
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 15.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.0	pH	0	GE
		Specific conductance	45	µS/cm	0	GE
		Aluminum	142	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	24	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,190	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	4,290	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	74	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB142D collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	631	µg/L	0	GE
		Manganese	18	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	6.8	µg/L	0	GE
		Nitrate as nitrogen	480	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,080	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,930	µg/L	0	GE
		Sulfate	6,900	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	31,000	µg/L	0	GE
		Total organic carbon	2,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	9.6	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	6.5E+02 ± 4.0E+00	pCi/mL	2	GE
	■	Tritium	6.6E+02 ± 4.0E+00	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB143C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73738.2 E52773.2	33.274966 °N 81.671072 °W	179.1-169.1 ft msl	222.2 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 12.70 ft (3.87 m) below TOC
Water elevation: 209.50 ft (63.86 m) msl
Sp. conductance: 27 µS/cm
Water evacuated before sampling: 106 gal

Time: 9:10
pH: 4.4
Alkalinity: 1 mg/L
Water temperature: 18.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.7	pH	0	GE
		Specific conductance	22	µS/cm	0	GE
		Aluminum	28	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	6.9	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	949	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	2,940	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.5	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB143C collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	236	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	410	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,910	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,300	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
	■	Tetrachloroethylene	11	µg/L	2	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	12,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
	■	Trichloroethylene	23	µg/L	2	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.1E+01 ± 6.0E-01	pCi/mL	1	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB143D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73754.0 E52774.5	33.275003 °N 81.671099 °W	216.9-196.9 ft msl	222.9 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 9.64 ft (2.94 m) below TOC
Water elevation: 213.26 ft (65.00 m) msl
Sp. conductance: 18 µS/cm
Water evacuated before sampling: 43 gal

Time: 9:25
pH: 4.0
Alkalinity: 0 mg/L
Water temperature: 18.1°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.0	pH	0	GE
		Specific conductance	18	µS/cm	0	GE
		Aluminum	56	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	6.1	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	206	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	1,690	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	7.5	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB143D collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	384	µg/L	0	GE
		Manganese	4.1	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	480	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,140	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,330	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
	■	Tetrachloroethylene	8.7	µg/L	2	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	5,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	1.3	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.3E+01 ± 7.0E-01	pCi/mL	1	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB144A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71892.1 E56200.5	33.276475 °N 81.658462 °W	88.6-78.6 ft msl	235.6 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/21/92
Depth to water: 64.52 ft (19.67 m) below TOC
Water elevation: 171.08 ft (52.15 m) msl
Sp. conductance: 174 µS/cm
Water evacuated before sampling: 243 gal
Time: 13:50
pH: 6.5
Alkalinity: 44 mg/L
Water temperature: 19.9°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.3	pH	0	GE
		Specific conductance	160	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	34	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	24,500	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	58,100	µg/L	2	GE
		Chloride	2,340	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB144A collected on 04/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	143	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	696	µg/L	0	GE
		Manganese	46	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,180	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	2,400	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	28,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	5,920	µg/L	0	GE
		Sulfate	6,450	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	112,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	15	µg/L	0	GE
		Total phosphates (as P)	330	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE

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WELL HSB144A collected on 04/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	5.6E+00 ± 5.0E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	1.5E+03 ± 6.0E+00	pCi/mL	2	GE

WELL HSB145C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71098.9 E57769.0	33.277280 °N 81.652792 °W	174.7-164.7 ft msl	235.7 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 22.04 ft (6.72 m) below TOC
Water elevation: 213.66 ft (65.12 m) msl
Sp. conductance: 352 µS/cm
Water evacuated before sampling: 128 gal
Time: 15:45
pH: 5.9
Alkalinity: 18 mg/L
Water temperature: 20.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.1	pH	0	GE
		Specific conductance	330	µS/cm	1	GE
		Aluminum	97	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	94	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	20,500	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	24,700	µg/L	2	GE
		Chloride	5,780	µg/L	0	GE
		Chloride	5,720	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE

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WELL HSB145C collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	111	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	6,910	µg/L	0	GE
		Manganese	120	µg/L	2	GE
		Mercury	0.21	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
	■	Nitrate as nitrogen	33,200	µg/L	2	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	2,120	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	28,900	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
	■	Tetrachloroethylene	14	µg/L	2	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	252,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	14	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	1.9	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	26	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	4.7E+01 ± 1.3E+00	pCi/L	1	GE
		Total alpha-emitting radium	1.9E+00 ± 1.1E+00	pCi/L	0	GE
	■	Tritium	1.9E+03 ± 6.8E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB145D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71088.0 E57753.9	33.277231 °N 81.652810 °W	194.2-184.2 ft msl	236.2 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/22/92
Depth to water: 14.14 ft (4.31 m) below TOC
Water elevation: 222.06 ft (67.68 m) msl
Sp. conductance: 361 µS/cm
Water evacuated before sampling: 99 gal

Time: 15:30
pH: 5.5
Alkalinity: 13 mg/L
Water temperature: 19.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.0	pH	0	GE
•		pH	5.9	pH	0	GE
		Specific conductance	285	µS/cm	1	GE
		Aluminum	411	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	168	µg/L	0	GE
•		Benzene	<1.0	µg/L	0	GE
■		Bromodichloromethane	<1.0	µg/L	0	GE
•		Bromoform	<1.0	µg/L	0	GE
•		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	13,500	µg/L	0	GE
•		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	17,400	µg/L	2	GE
		Chloride	2,010	µg/L	0	GE
•		Chlorobenzene	<1.0	µg/L	0	GE
•		Chloroethane	<1.0	µg/L	0	GE
•		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
•		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
•		Chloroform	<1.0	µg/L	0	GE
•		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	16	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		Dibromochloromethane	<1.0	µg/L	0	GE
•		1,1-Dichloroethane	<1.0	µg/L	0	GE
•		1,2-Dichloroethane	<1.0	µg/L	0	GE
•		1,1-Dichloroethylene	<1.0	µg/L	0	GE
•		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
•		Dichloromethane (Methylene chloride)	1.1	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
•		1,2-Dichloropropane	<1.0	µg/L	0	GE
•		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
•		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	131	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB145D collected on 04/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Fluoride	135	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	3,160	µg/L	0	GE
		Manganese	812	µg/L	2	GE
		Mercury	1.9	µg/L	1	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	11	µg/L	0	GE
	■	Nitrate as nitrogen	39,000	µg/L	2	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	3,750	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,820	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	42,700	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
●		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
●		Tetrachloroethylene	1.3	µg/L	0	GE
●		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	302,000	µg/L	0	GE
		Total dissolved solids	292,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
●		Total organic halogens	5.9	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
●		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
●		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
●		Trichloroethylene	<1.0	µg/L	0	GE
●		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	17	µg/L	0	GE
	■	Gross alpha	5.7E+01 ± 5.4E+00	pCi/L	2	GE
	■	Nonvolatile beta	4.6E+02 ± 1.2E+01	pCi/L	2	GE
	■	Total alpha-emitting radium	3.3E+01 ± 3.6E+00	pCi/L	2	GE
	■	Tritium	4.8E+03 ± 1.1E+01	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB146A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70478.9 E58454.0	33.277026 °N 81.649784 °W	95.5-85.5 ft msl	251.6 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 04/03/92
Depth to water: 75.47 ft (23.00 m) below TOC
Water elevation: 176.13 ft (53.69 m) msl
Sp. conductance: 209 µS/cm
Water evacuated before sampling: 238 gal

Time: 12:20
pH: 7.3
Alkalinity: 83 mg/L
Water temperature: 18.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.0	pH	0	GE
		Specific conductance	162	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	36	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	34,800	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	2,640	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB146A collected on 04/03/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	721	µg/L	0	GE
		Manganese	18	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	120	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,190	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	26,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,100	µg/L	0	GE
		Sulfate	4,500	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	126,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	6.6	µg/L	0	GE
		Total phosphates (as P)	120	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

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WELL HSB146C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70471.6 E58473.1	33.277041 °N 81.649719 °W	162.3-152.3 ft msl	252.3 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/03/92
Depth to water: 42.37 ft (12.91 m) below TOC
Water elevation: 209.93 ft (63.99 m) msl
Sp. conductance: 84 µS/cm
Water evacuated before sampling: 189 gal

Time: 12:40
pH: 9.0
Alkalinity: 22 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.6	pH	0	GE
		Specific conductance	70	µS/cm	0	GE
		Aluminum	112	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	42	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	7,530	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	2,210	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.1	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE

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WELL HSB146C collected on 04/03/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Fluoride	110	µg/L	0	GE
		Iron	11	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	241	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	710	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	4,440	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,110	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	6,280	µg/L	0	GE
		Sulfate	1,110	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	38,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	6.3	µg/L	0	GE
		Total phosphates (as P)	80	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.4E+00 ± 1.2E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.1E+01 ± 6.0E-01	pCi/mL	1	GE

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WELL HSB146D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70469.7 E58493.0	33.277069 °N 81.649663 °W	224.1-204.0 ft msl	253.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/03/92
Depth to water: 30.67 ft (9.35 m) below TOC
Water elevation: 222.43 ft (67.80 m) msl
Sp. conductance: 18 µS/cm
Water evacuated before sampling: 48 gal

Time: 13:35
pH: 5.1
Alkalinity: 1 mg/L
Water temperature: 19.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.8	pH	0	GE
		Specific conductance	17	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	9.5	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	648	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	1,300	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE

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WELL HSB146D collected on 04/03/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Fluoride	<100	µg/L	0	GE
		Iron	8.5	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	259	µg/L	0	GE
		Manganese	11	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	500	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,860	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,300	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	17,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	70	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	7.6	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.9E+01 ± 7.0E-01	pCi/mL	1	GE

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WELL HSB147D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N73827.9 E55804.4	33.280110 °N 81.663265 °W	235.2-215.2 ft msl	267.3 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/29/92
Depth to water: 34.98 ft (10.66 m) below TOC
Water elevation: 232.32 ft (70.81 m) msl
Sp. conductance: 28 µS/cm
Water evacuated before sampling: 10 gal
The well went dry during purging.

Time: 9:05
pH: 5.2
Alkalinity: 1 mg/L
Water temperature: 17.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.8	pH	0	GE
•		pH	5.8	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Specific conductance	30	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	8.3	µg/L	0	GE
		Barium	8.4	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,120	µg/L	0	GE
		Calcium	1,120	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	4,910	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE

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WELL HSB147D collected on 04/29/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	12	µg/L	0	GE
		Iron	12	µg/L	0	GE
		Lead	3.6	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	680	µg/L	0	GE
		Magnesium	680	µg/L	0	GE
		Manganese	8.1	µg/L	0	GE
		Manganese	8.2	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	6.0	µg/L	0	GE
		Nickel	4.3	µg/L	0	GE
		Nitrate as nitrogen	620	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,800	µg/L	0	GE
		Silica	6,810	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,750	µg/L	0	GE
		Sodium	2,750	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	30,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	80	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	22	µg/L	0	GE
		Zinc	23	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE

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WELL HSB147D collected on 04/29/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.1E+00 ± 8.0E-01	pCi/L	0	GE
	■	Tritium	2.2E+01 ± 8.0E-01	pCi/mL	2	GE

WELL HSB148C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70151.5 E55344.2	33.271228 °N 81.657336 °W	168.9-158.9 ft msl	250.9 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 49.12 ft (14.97 m) below TOC
Water elevation: 201.78 ft (61.50 m) msl
Sp. conductance: 298 µS/cm
Water evacuated before sampling: 23 gal
The well went dry during purging.

Time: 10:00
pH: 10.6
Alkalinity: 64 mg/L
Water temperature: 17.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	12	pH	2	GE
		Specific conductance	280	µS/cm	1	GE
		Aluminum	988	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	42	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	24,200	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	29,000	µg/L	2	GE
		Chloride	1,740	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB148C collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.1	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	131	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	77	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	410	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	6,750	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,400	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	8,080	µg/L	0	GE
		Sulfate	3,320	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	91,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE

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WELL HSB148C collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	5.8E+00 ± 6.8E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 8.0E-01	pCi/L	0	GE
		Tritium	9.1E-01 ± 4.0E-01	pCi/mL	0	GE

WELL HSB148D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N70160.9 E55355.7	33.271268 °N 81.657324 °W	218.1-198.1 ft msl	251.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/24/92
Depth to water: 37.17 ft (11.33 m) below TOC
Water elevation: 213.93 ft (65.21 m) msl
Sp. conductance: 90 µS/cm
Water evacuated before sampling: 6 gal
The well went dry during purging.

Time: 10:15
pH: 9.6
Alkalinity: 26 mg/L
Water temperature: 17.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	10	pH	2	GE
		Specific conductance	65	µS/cm	0	GE
		Aluminum	937	µg/L	2	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	22	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	16,900	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	29,000	µg/L	2	GE
		Carbonate	29,000	µg/L	2	GE
		Chloride	2,100	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE

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WELL HSB148D collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	19	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	143	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	50	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,570	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,280	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,240	µg/L	0	GE
		Sulfate	3,540	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	37,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	18	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	11	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE

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WELL HSB148D collected on 04/24/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total alpha-emitting radium	1.0E+00 ± 8.0E-01	pCi/L	0	GE
		Tritium	1.4E+01 ± 7.0E-01	pCi/mL	1	GE
		Tritium	1.5E+01 ± 7.0E-01	pCi/mL	1	GE

WELL HSB149D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71338.8 E57286.3	33.277023 °N 81.654529 °W	227.0-207.0 ft msl	240.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/23/92
Depth to water: 15.92 ft (4.85 m) below TOC
Water elevation: 224.08 ft (68.30 m) msl
Sp. conductance: 20 µS/cm
Water evacuated before sampling: 45 gal
Time: 10:15
pH: 4.1
Alkalinity: 0 mg/L
Water temperature: 18.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.9	pH	0	GE
		Specific conductance	20	µS/cm	0	GE
		Aluminum	74	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	4.1	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	224	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	2,670	µg/L	2	GE
		Chloride	2,080	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	7.2	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB149D collected on 04/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	27	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	321	µg/L	0	GE
		Manganese	5.3	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	480	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,820	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,670	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	10,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	100	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	8.4	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.2E+00 ± 3.7E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.6E+00 ± 1.1E+00	pCi/L	0	GE
	■	Tritium	3.0E+01 ± 9.0E-01	pCi/mL	2	GE

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WELL HSB150D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N71692.6 E58692.8	33.280100 °N 81.651512 °W	226.9-206.9 ft msl	239.0 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/27/92
Depth to water: 11.58 ft (3.53 m) below TOC
Water elevation: 227.42 ft (69.32 m) msl
Sp. conductance: 35 µS/cm
Water evacuated before sampling: 54 gal

Time: 10:10
pH: 4.2
Alkalinity: 0 mg/L
Water temperature: 16.8°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.4	pH	0	GE
•		pH	5.4	pH	0	GE
•		pH	5.9	pH	0	WA
•		pH	5.4	pH	0	WA
•		pH	5.9	pH	0	WA
		Specific conductance	40	µS/cm	0	GE
		Specific conductance	40	µS/cm	0	GE
•		Specific conductance	33	µS/cm	0	WA
•		Specific conductance	32	µS/cm	0	WA
		Aluminum	54	µg/L	0	GE
		Aluminum	107	µg/L	1	GE
		Aluminum	25	µg/L	0	WA
		Aluminum	15	µg/L	0	WA
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.6	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	WA
		Barium	5.0	µg/L	0	GE
		Barium	5.0	µg/L	0	GE
		Barium	4.8	µg/L	0	WA
		Barium	5.1	µg/L	0	WA
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Benzene	<5.0	µg/L	0	WA
		Benzene	<5.0	µg/L	0	WA
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<5.0	µg/L	0	WA
		Bromodichloromethane	<5.0	µg/L	0	WA
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<5.0	µg/L	0	WA
		Bromoform	<5.0	µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	µg/L	0	WA

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WELL HSB150D collected on 04/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	<10	µg/L	0	WA
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<0.35	µg/L	0	WA
		Cadmium	<0.35	µg/L	0	WA
		Calcium	835	µg/L	0	GE
		Calcium	765	µg/L	0	GE
		Calcium	770	µg/L	0	WA
		Calcium	775	µg/L	0	WA
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbonate	<1,000	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Carbonate	<500	µg/L	0	WA
		Carbonate	<500	µg/L	0	WA
		Carbonate	<500	µg/L	0	WA
		Chloride	4,980	µg/L	0	GE
		Chloride	4,980	µg/L	0	GE
		Chloride	4,900	µg/L	0	GE
		Chloride	5,420	µg/L	0	WA
		Chloride	5,500	µg/L	0	WA
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<5.0	µg/L	0	WA
		Chlorobenzene	<5.0	µg/L	0	WA
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<10	µg/L	0	WA
		Chloroethane	<10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<5.0	µg/L	0	WA
		Chloroform	<5.0	µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chromium	<1.1	µg/L	0	WA
		Chromium	<1.1	µg/L	0	WA
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Cobalt	<0.88	µg/L	0	WA
		Cobalt	<0.88	µg/L	0	WA
		Copper	4.3	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB150D collected on 04/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Copper	4.2	µg/L	0	GE
		Copper	3.4	µg/L	0	WA
		Copper	4.3	µg/L	0	WA
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	WA
		Cyanide	<5.0	µg/L	0	WA
		Cyanide	<5.0	µg/L	0	WA
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<5.0	µg/L	0	WA
		Dibromochloromethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		Dichloromethane (Methylene chloride)	2.2	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.9	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.2	µg/L	0	WA
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<0.11	µg/L	0	WA
		Endrin	<0.11	µg/L	0	WA
		Endrin	<0.22	µg/L	0	WA
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE

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WELL HSB150D collected on 04/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Ethylbenzene	<5.0	µg/L	0	WA
		Ethylbenzene	<5.0	µg/L	0	WA
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	WA
		Fluoride	<100	µg/L	0	WA
		Iron	18	µg/L	0	GE
		Iron	30	µg/L	0	GE
		Iron	28	µg/L	0	WA
		Iron	15	µg/L	0	WA
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lead	4.1	µg/L	0	WA
		Lead	<2.0	µg/L	0	WA
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<0.055	µg/L	0	WA
		Lindane	<0.054	µg/L	0	WA
		Lindane	<0.11	µg/L	0	WA
		Magnesium	589	µg/L	0	GE
		Magnesium	589	µg/L	0	GE
		Magnesium	568	µg/L	0	WA
		Magnesium	591	µg/L	0	WA
		Manganese	4.2	µg/L	0	GE
		Manganese	4.1	µg/L	0	GE
		Manganese	4.4	µg/L	0	WA
		Manganese	4.4	µg/L	0	WA
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	WA
		Methoxychlor	<0.50	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Methoxychlor	<0.55	µg/L	0	WA
		Methoxychlor	<0.54	µg/L	0	WA
		Methoxychlor	<1.1	µg/L	0	WA
		Methoxychlor	<2.2	µg/L	0	WA
		Nickel	<4.0	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nickel	<3.1	µg/L	0	WA
		Nickel	<3.1	µg/L	0	WA
		Nitrate as nitrogen	320	µg/L	0	GE
		Nitrate as nitrogen	310	µg/L	0	GE
		Nitrate as nitrogen	333	µg/L	0	WA
		Nitrate as nitrogen	330	µg/L	0	WA
		Nitrate as nitrogen	335	µg/L	0	WA
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	WA
		Phenols	<5.0	µg/L	0	WA
		Phenols	<5.0	µg/L	0	WA
		Potassium	<500	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Potassium	<84	µg/L	0	WA

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WELL HSB150D collected on 04/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Potassium	127	µg/L	0	WA
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	WA
		Selenium	<2.0	µg/L	0	WA
		Silica	5,990	µg/L	0	GE
		Silica	6,110	µg/L	0	GE
		Silica	5,760	µg/L	0	WA
		Silica	6,020	µg/L	0	WA
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Silver	<0.70	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Sodium	4,490	µg/L	0	GE
		Sodium	4,530	µg/L	0	GE
		Sodium	4,530	µg/L	0	WA
		Sodium	4,530	µg/L	0	WA
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<2,500	µg/L	0	WA
		Sulfate	<2,500	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Toluene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Toluene	<5.0	µg/L	0	WA
		Toluene	<5.0	µg/L	0	WA
		Total dissolved solids	26,000	µg/L	0	GE
		Total dissolved solids	32,000	µg/L	0	GE
		Total dissolved solids	21,000	µg/L	0	WA
		Total dissolved solids	30,000	µg/L	0	WA
		Total dissolved solids	29,000	µg/L	0	WA
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
•		Total organic carbon	<500	µg/L	0	WA
•		Total organic carbon	<500	µg/L	0	WA
		Total organic halogens	23	µg/L	0	GE
		Total organic halogens	9.8	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	WA
		Total organic halogens	<5.0	µg/L	0	WA
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<20	µg/L	0	WA
		Total phosphates (as P)	<20	µg/L	0	WA
		Total phosphates (as P)	21	µg/L	0	WA
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<1.1	µg/L	0	WA
		Toxaphene	<1.1	µg/L	0	WA

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WELL HSB150D collected on 04/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Toxaphene	<2.2	µg/L	0	WA
		Toxaphene	<4.4	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.55	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1	µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,1-Trichlorcethane	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	µg/L	0	WA
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<5.0	µg/L	0	WA
		Trichloroethylene	<5.0	µg/L	0	WA
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<5.0	µg/L	0	WA
		Trichlorofluoromethane	<5.0	µg/L	0	WA
		Uranium	1.2	µg/L	0	BA
		Uranium	1.0	µg/L	0	BA
		Uranium	1.2	µg/L	0	BA
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<0.88	µg/L	0	WA
		Zinc	7.4	µg/L	0	GE
		Zinc	7.6	µg/L	0	GE
		Zinc	12	µg/L	0	WA
		Zinc	13	µg/L	0	WA
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	9.0E-01 ± 1.1E+00	pCi/L	0	BA
		Gross alpha	2.0E-01 ± 9.0E-01	pCi/L	0	BA
		Gross alpha	1.2E+00 ± 1.2E+00	pCi/L	0	BA
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.7E+00 ± 1.7E+00	pCi/L	0	BA
		Nonvolatile beta	1.6E+00 ± 1.7E+00	pCi/L	0	BA
		Nonvolatile beta	2.2E+00 ± 1.8E+00	pCi/L	0	BA
		Radium-226	<4.0E-01	pCi/L	0	BA
		Radium-226	2.0E-01 ± 5.0E-01	pCi/L	0	BA
		Radium-228	<2.3E+00	pCi/L	0	BA
		Radium-228	8.0E-01 ± 2.4E+00	pCi/L	0	BA
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	3.3E+01 ± 9.0E-01	pCi/mL	2	GE
	■	Tritium	3.3E+01 ± 1.0E+00	pCi/mL	2	GE
	■	Tritium	3.3E+01 ± 1.0E+00	pCi/mL	2	BA
	■	Tritium	3.2E+01 ± 1.0E+00	pCi/mL	2	BA

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WELL HSB151C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72997.9 E54014.9	33.275355 °N 81.666365 °W	180.6-170.6 ft msl	213.6 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 5.76 ft (1.76 m) below TOC
Water elevation: 207.84 ft (63.35 m) msl
Sp. conductance: 92 µS/cm
Water evacuated before sampling: 98 gal

Time: 12:45
pH: 4.2
Alkalinity: 0 mg/L
Water temperature: 18.3°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.0	pH	0	GE
		Specific conductance	89	µS/cm	0	GE
		Aluminum	107	µg/L	1	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	21	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
•		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
•		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	2,120	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	2,730	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
•		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
•		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
•		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
•		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
•		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE

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WELL HSB151C collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
•		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
•		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
•		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.0	µg/L	0	GE
•		Dichloromethane (Methylene chloride)	1.2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
•		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	4.1	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	1,400	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	8,110	µg/L	1	GE
		Nitrate as nitrogen	8,240	µg/L	1	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	521	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,070	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	9,730	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
•		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
•		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
•		Toluene	<1.0	µg/L	0	GE
•		Total dissolved solids	68,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	12	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
•		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
•		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
•		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE

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WELL HSB151C collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	3.3	µg/L	0	GE
		Gross alpha	5.0E+00 ± 1.2E+00	pCi/L	0	GE
		Nonvolatile beta	1.9E+01 ± 2.8E+00	pCi/L	0	GE
		Total alpha-emitting radium	3.2E+00 ± 6.0E-01	pCi/L	1	GE
	■	Tritium	2.2E+03 ± 7.2E+00	pCi/mL	2	GE

WELL HSB151D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72997.8 E54026.4	33.275373 °N 81.666334 °W	207.6-197.6 ft msl	213.6 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 6.42 ft (1.96 m) below TOC
Water elevation: 207.18 ft (63.15 m) msl
Sp. conductance: 28 µS/cm
Water evacuated before sampling: 25 gal

Time: 13:00
pH: 4.3
Alkalinity: 0 mg/L
Water temperature: 16.0°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.7	pH	0	GE
•		pH	4.8	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Aluminum	33	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	5.2	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	474	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	1,720	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	6.2	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB151D collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	11	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	537	µg/L	0	GE
		Manganese	2.4	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,600	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,330	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,850	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	17,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	14	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	7.4	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	4.8E+02 ± 3.4E-01	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB152C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72012.0 E54346.7	33.273716 °N 81.663576 °W	183.1-173.1 ft msl	214.1 ft msl	4" PVC	Barnwell (IIB_1)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: 15.30 ft (4.66 m) below TOC
Water elevation: 198.80 ft (60.59 m) msl
Sp. conductance: 100 µS/cm
Water evacuated before sampling: 67 gal

Time: 12:15
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 17.2°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.0	pH	0	GE
		Specific conductance	90	µS/cm	0	GE
		Aluminum	84	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	31	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	4,090	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	3,170	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	6.5	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB152C collected on 04/13/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	2,410	µg/L	0	GE
		Manganese	37	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	8,600	µg/L	1	GE
		Nitrate as nitrogen	8,700	µg/L	1	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	755	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,940	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	6,910	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	69,000	µg/L	0	GE
		Total dissolved solids	68,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	14	µg/L	0	GE
		Gross alpha	2.5E+00 ± 1.1E+00	pCi/L	0	GE
		Nonvolatile beta	3.7E+01 ± 1.9E+00	pCi/L	1	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	1.2E+03 ± 5.4E+00	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB152D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N72011.7 E54362.1	33.273740 °N 81.663535 °W	207.0-197.0 ft msl	214.1 ft msl	4" PVC	Water Table (IIB_2)

FIELD MEASUREMENTS

Sample date: 04/13/92
Depth to water: Not available
Water elevation: Not available
Sp. conductance: 57 µS/cm
Water evacuated before sampling: 3 gal
The well went dry during purging.

Time: 14:25
pH: 4.6
Alkalinity: 1 mg/L
Water temperature: 15.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.1	pH	0	GE
		Specific conductance	50	µS/cm	0	GE
		Specific conductance	50	µS/cm	0	GE
		Aluminum	<20	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	28	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,170	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbonate	<1,000	µg/L	0	GE
		Chloride	3,120	µg/L	0	GE
		Chloride	2,910	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	89	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<3.3	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB152D collected on 04/13/92, laboratory analyses (cont.)

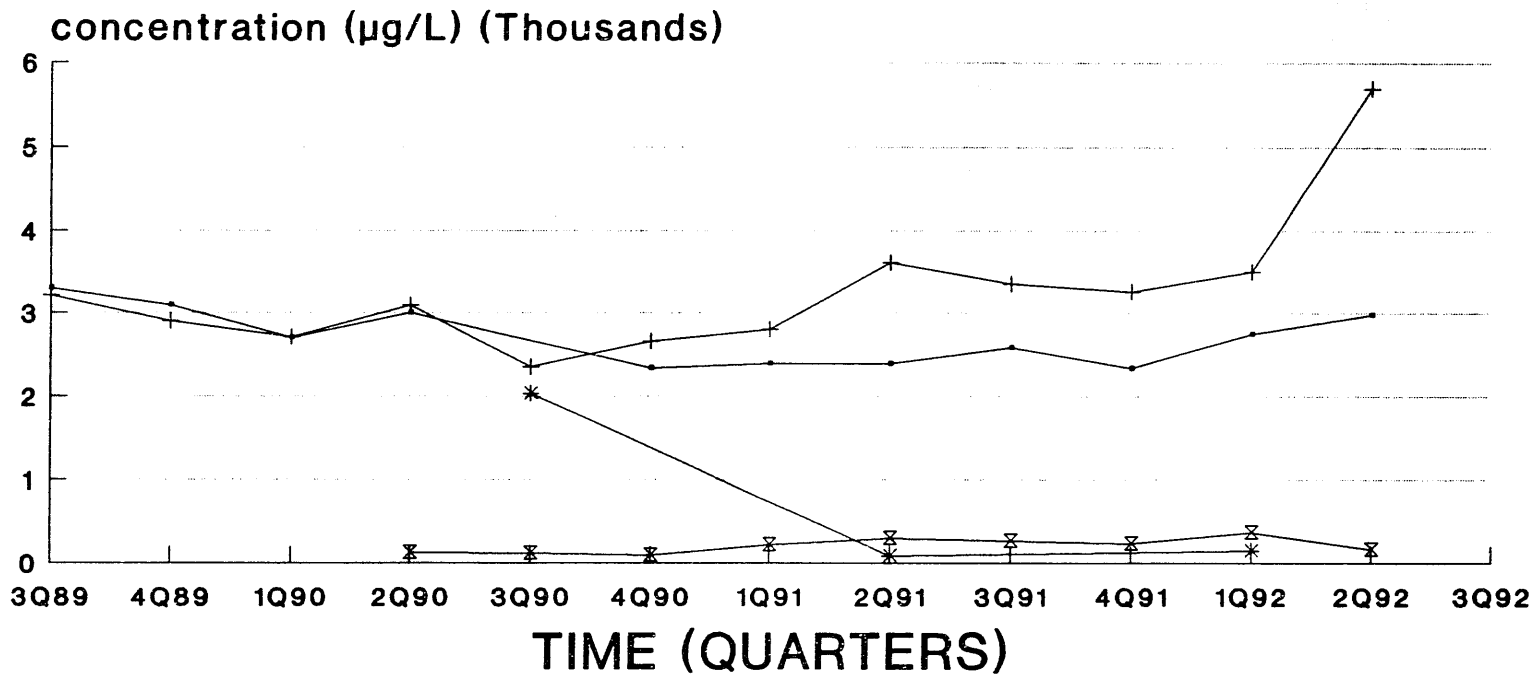
H	D	Analyte	Result	Unit	Flag	Lab
		Endrin	<0.0060	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	44	µg/L	0	GE
		Lead	8.4	µg/L	1	GE
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	677	µg/L	0	GE
		Manganese	33	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	4.4	µg/L	0	GE
		Nitrate as nitrogen	3,260	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,260	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	6,200	µg/L	0	GE
		Sulfate	1,510	µg/L	0	GE
		Sulfate	1,500	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	37,000	µg/L	0	GE
		Total organic carbon	2,000	µg/L	0	GE
		Total organic halogens	41	µg/L	1	GE
		Total phosphates (as P)	1,180	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		2,4,5-TP (Silvex)	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	2.9	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Zinc	107	µg/L	0	GE
		Gross alpha	5.4E+00 ± 6.0E-01	pCi/L	0	GE
		Nonvolatile beta	1.4E+01 ± 7.0E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.2E+00 ± 3.0E-01	pCi/L	0	GE
	■	Tritium	4.7E+02 ± 3.4E+00	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

Appendix E – Time Series Plots

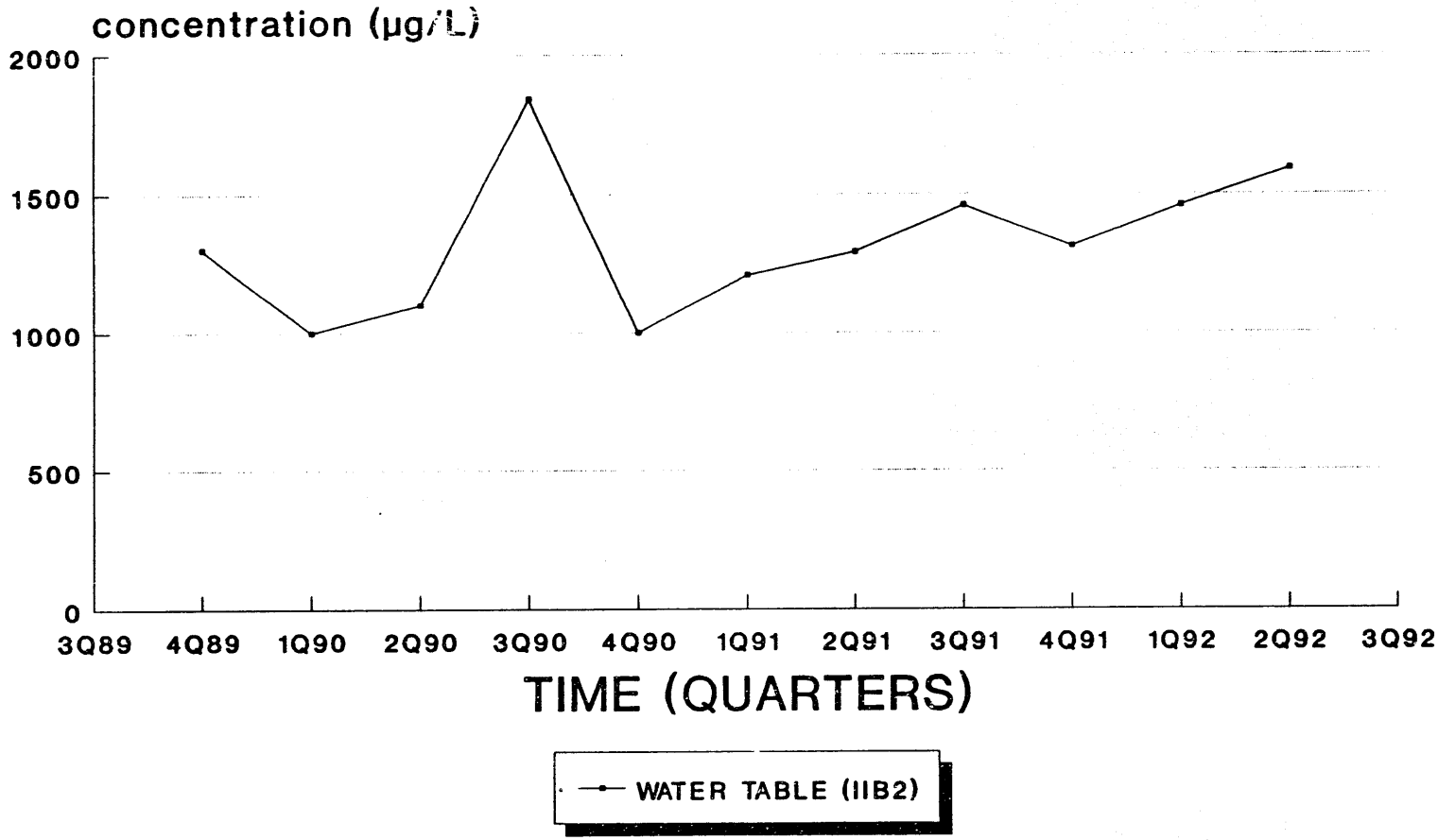
CLUSTER - HSB 65

Nitrate



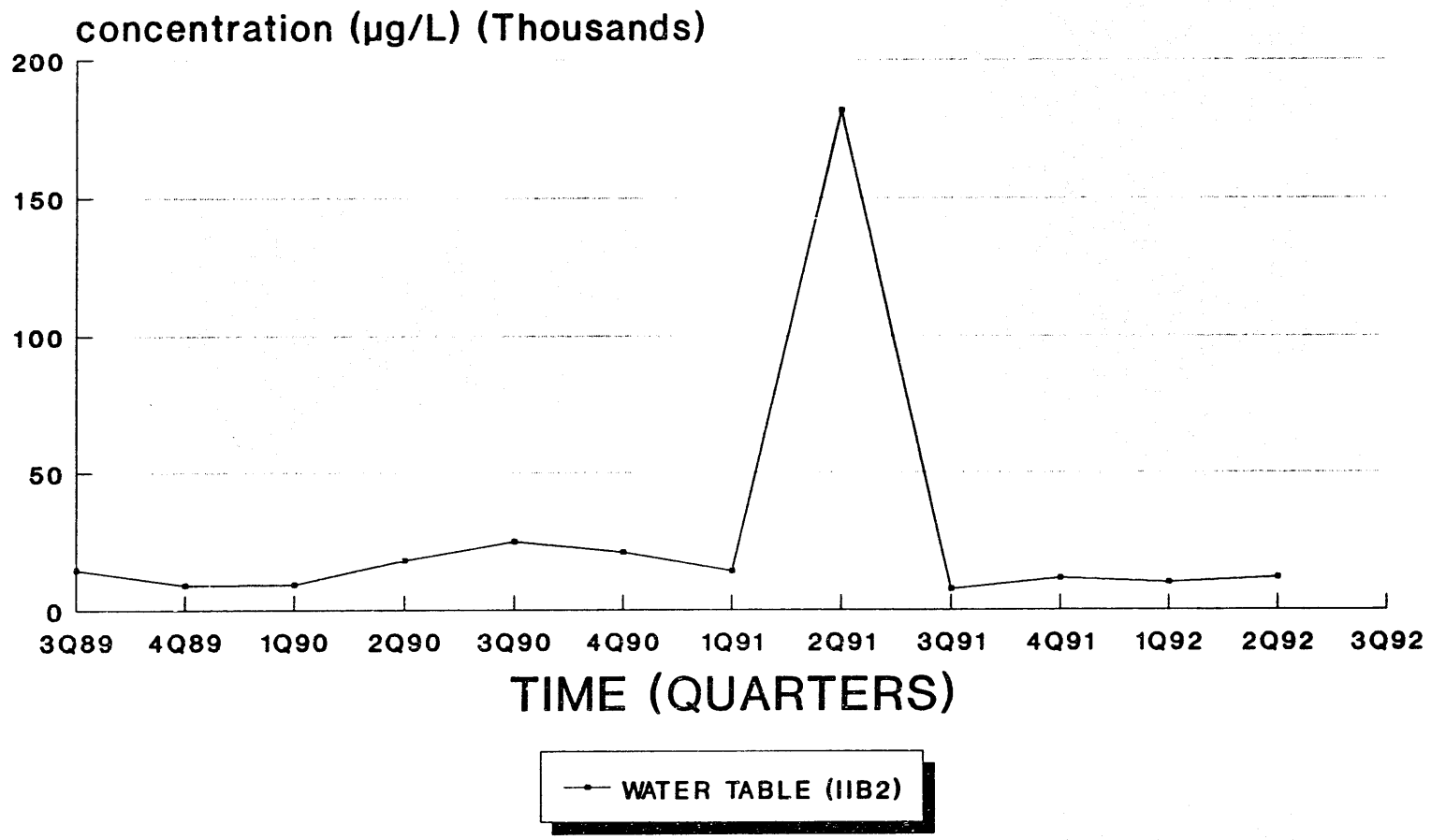
PDWS 10,000 µg/L
empty space denotes no data or dry well
1st water table: HSB 65; 2nd: HSB 65C

HSB 66
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

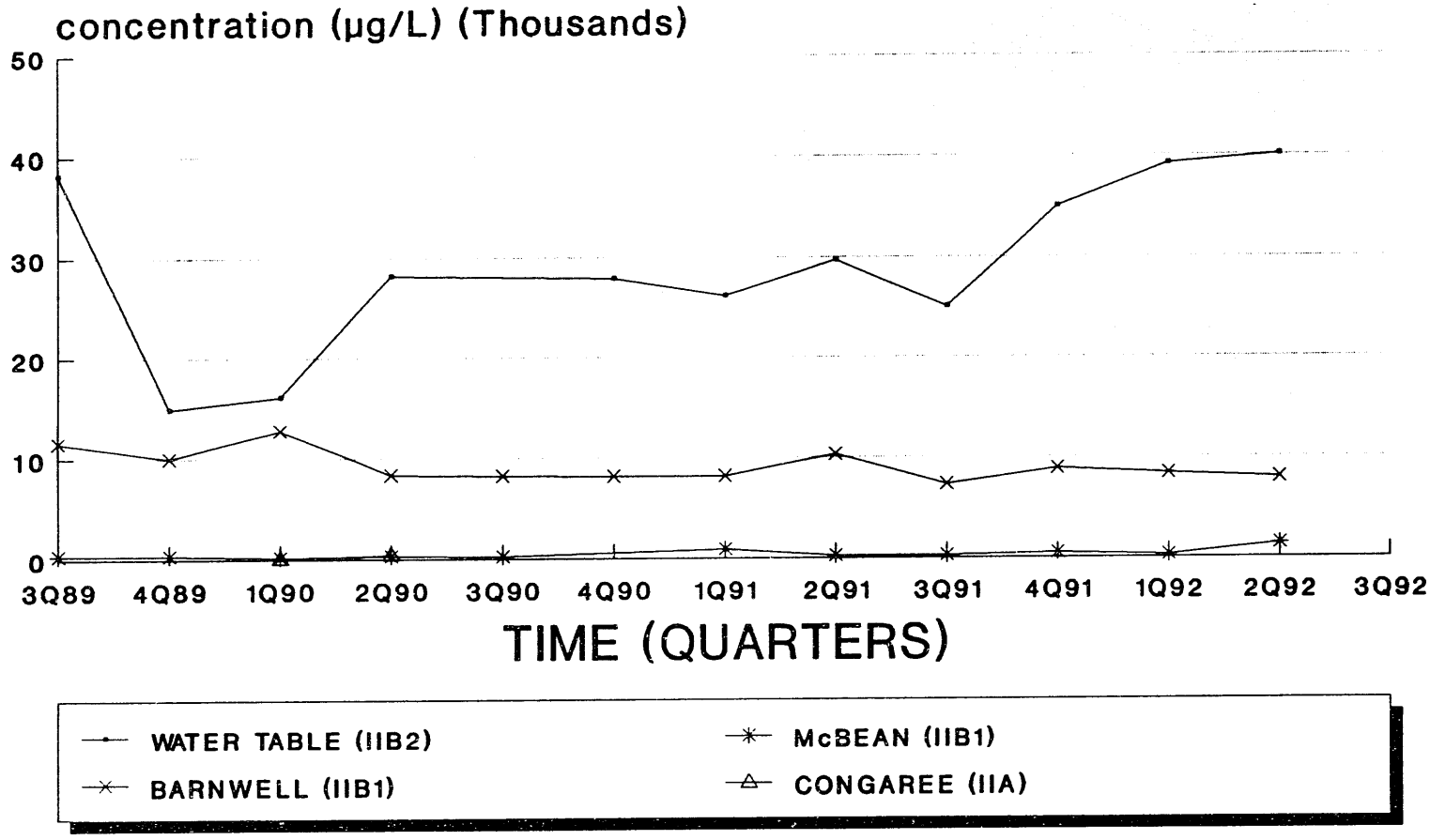
HSB 67
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB 68

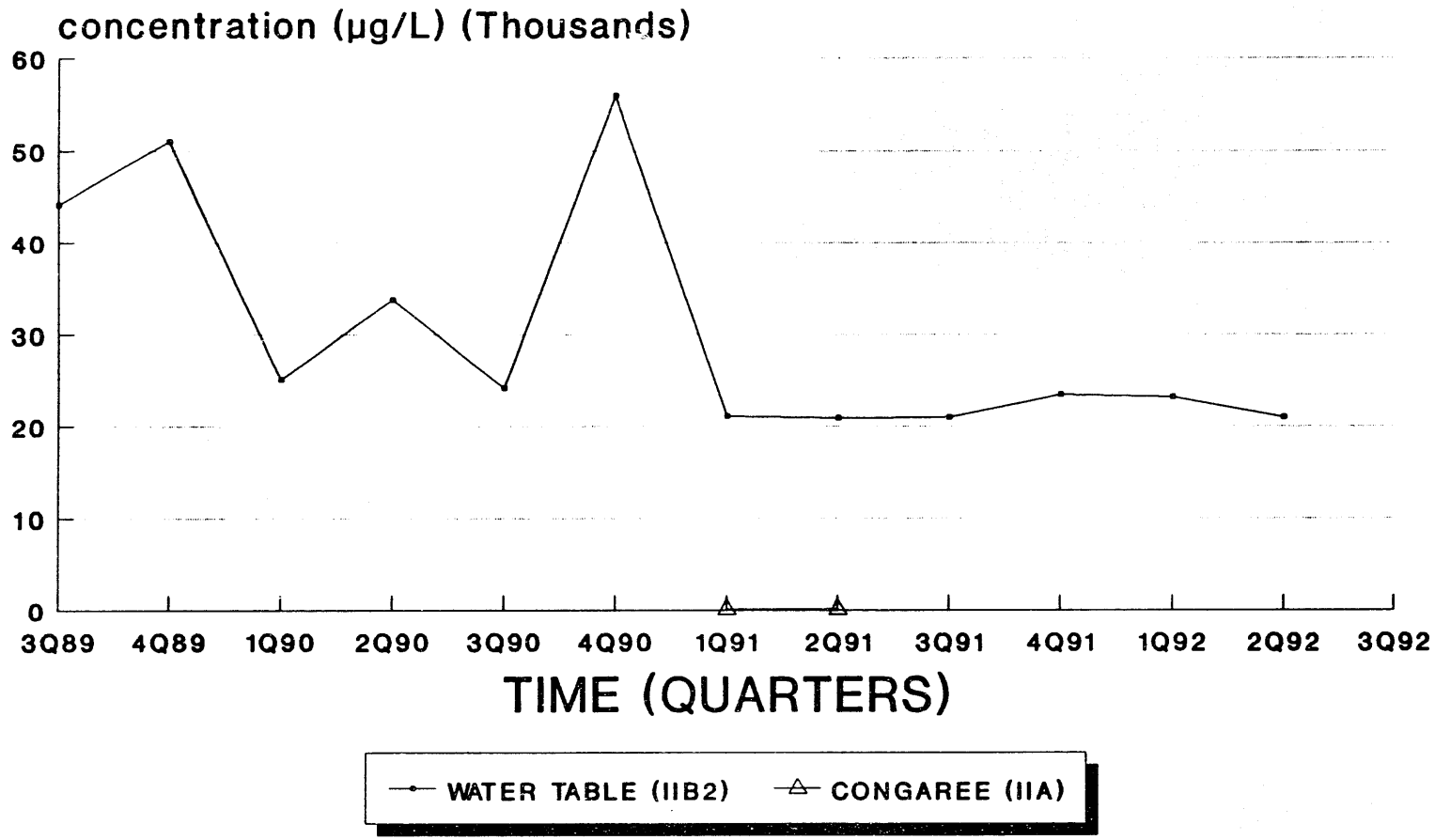
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB 69

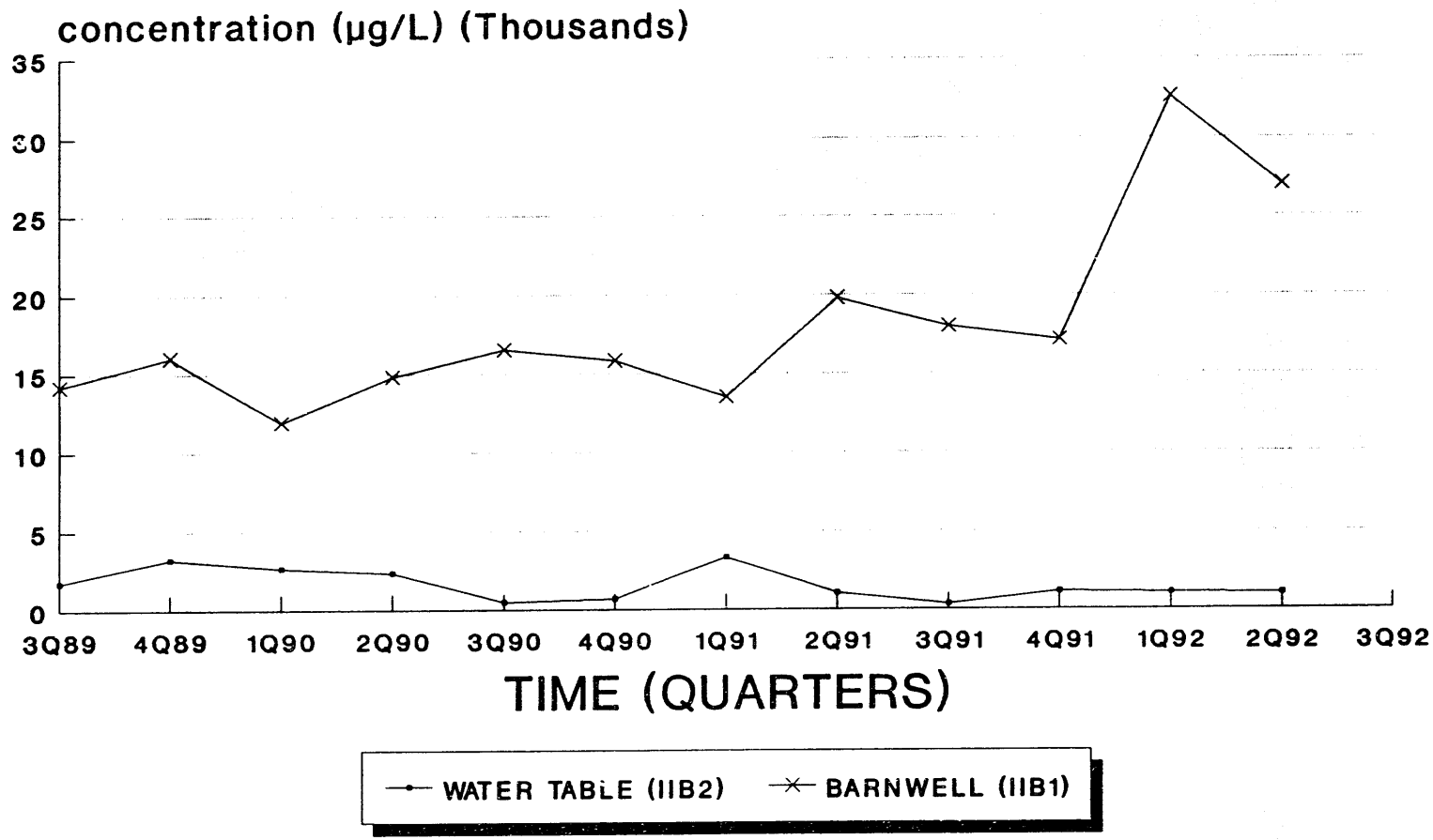
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB 70

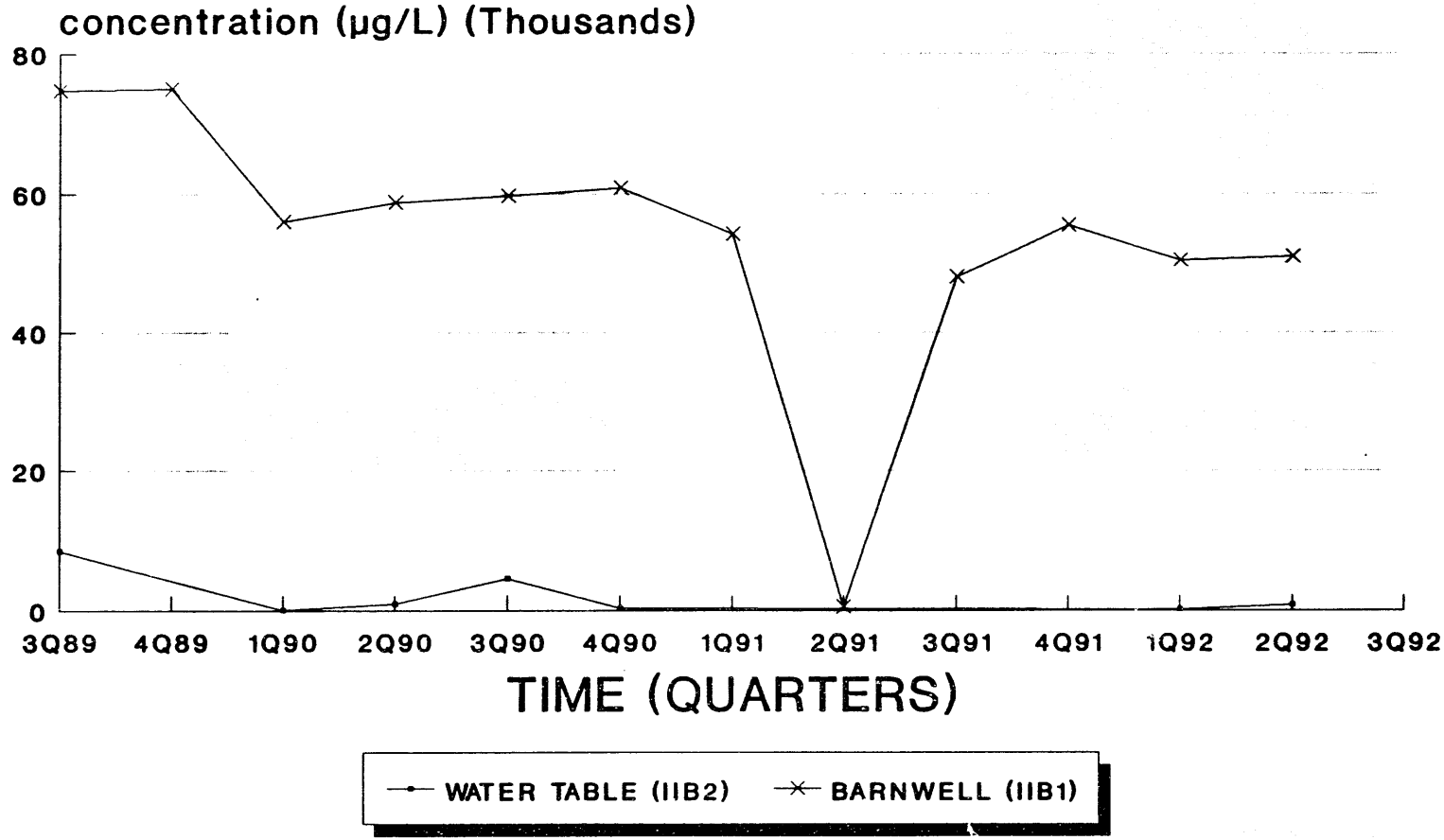
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB 71

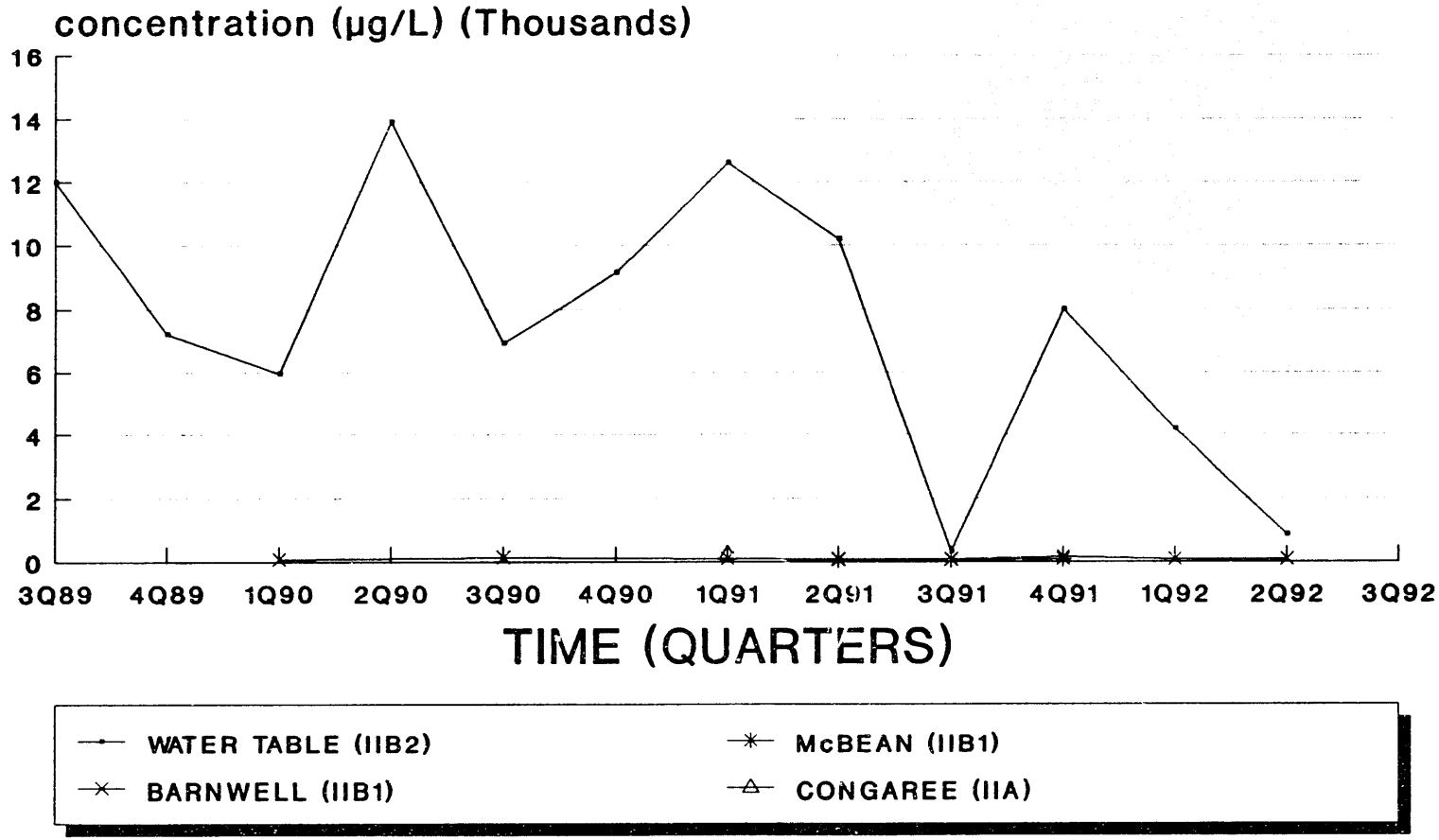
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB 83

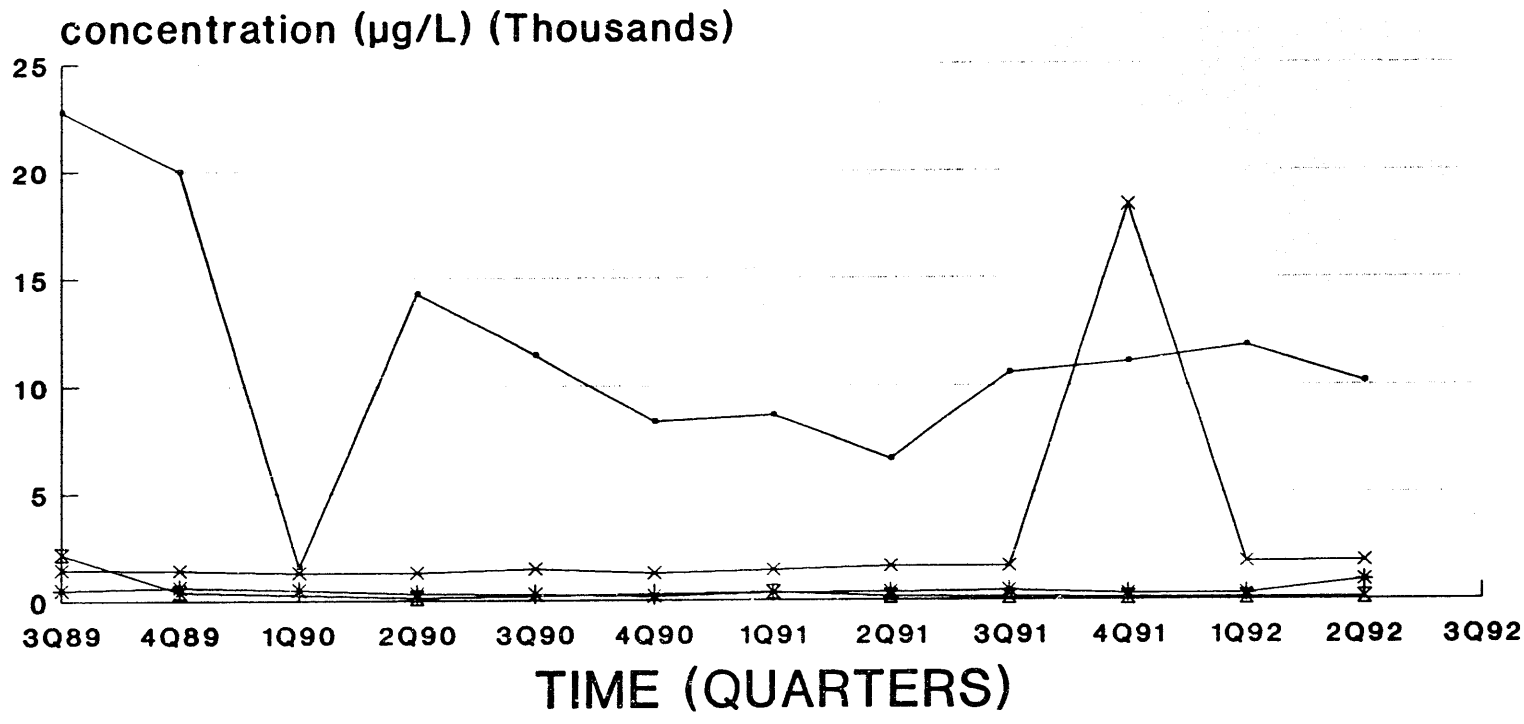
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB 84

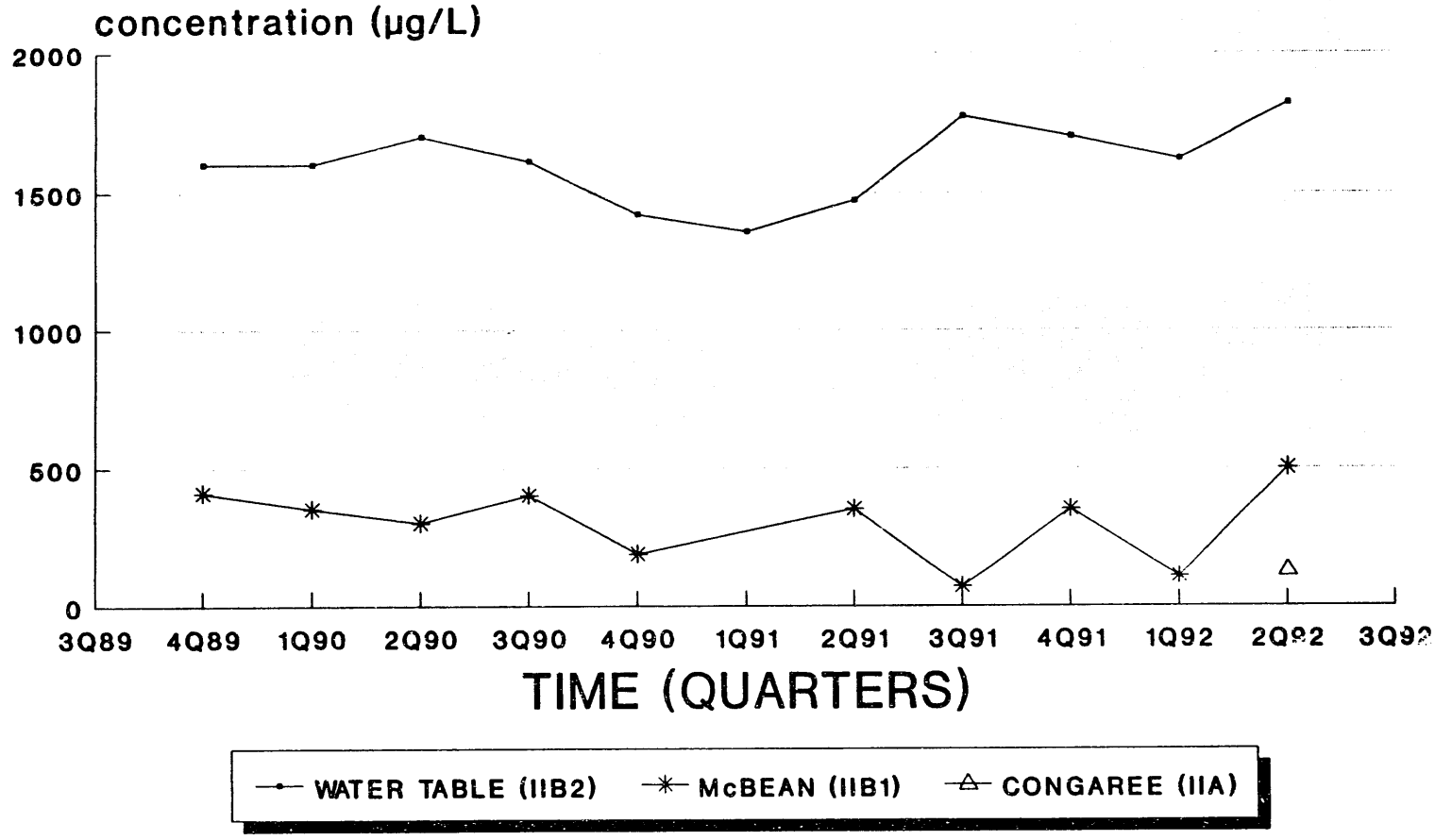
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB 85

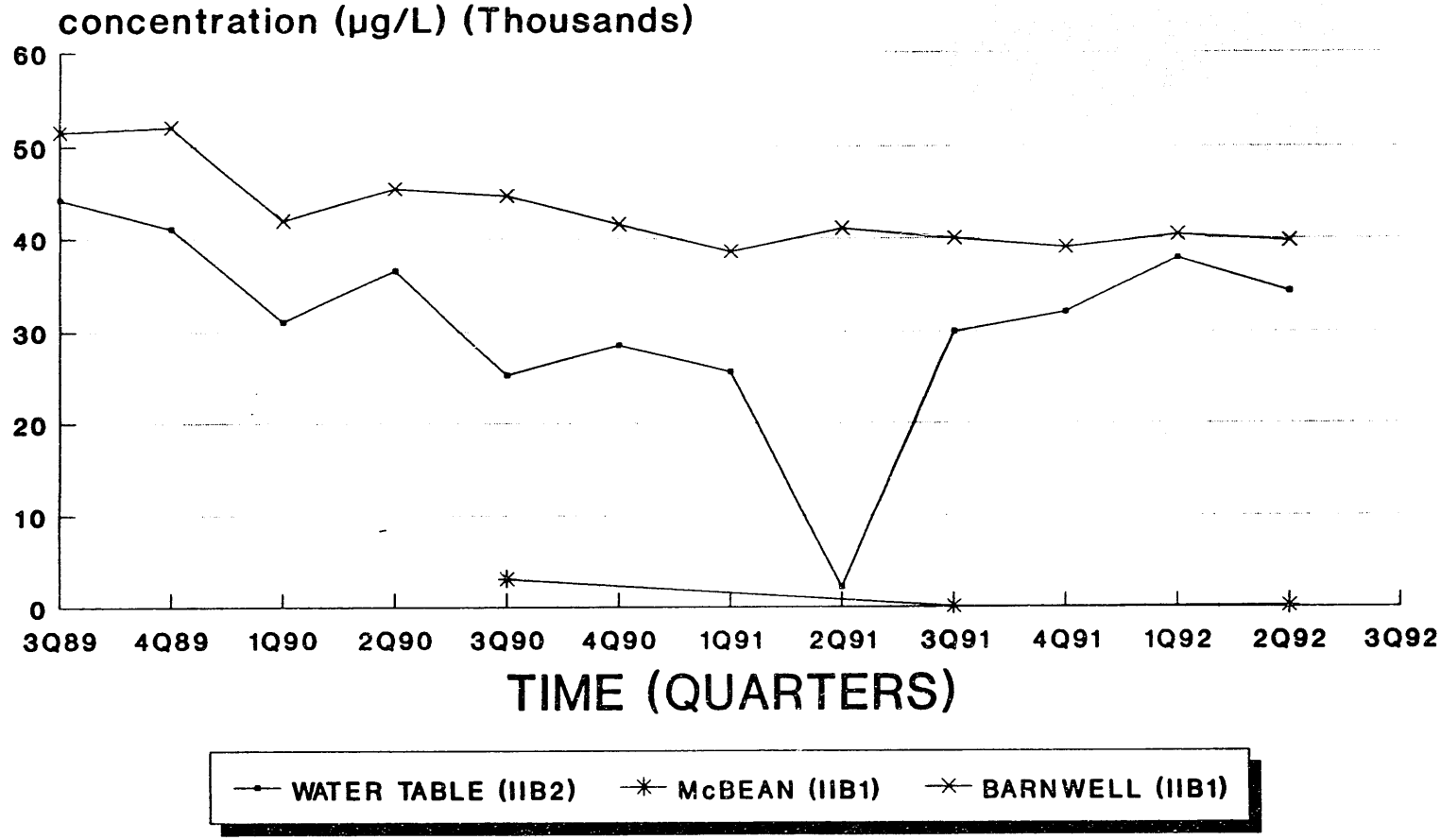
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB 86

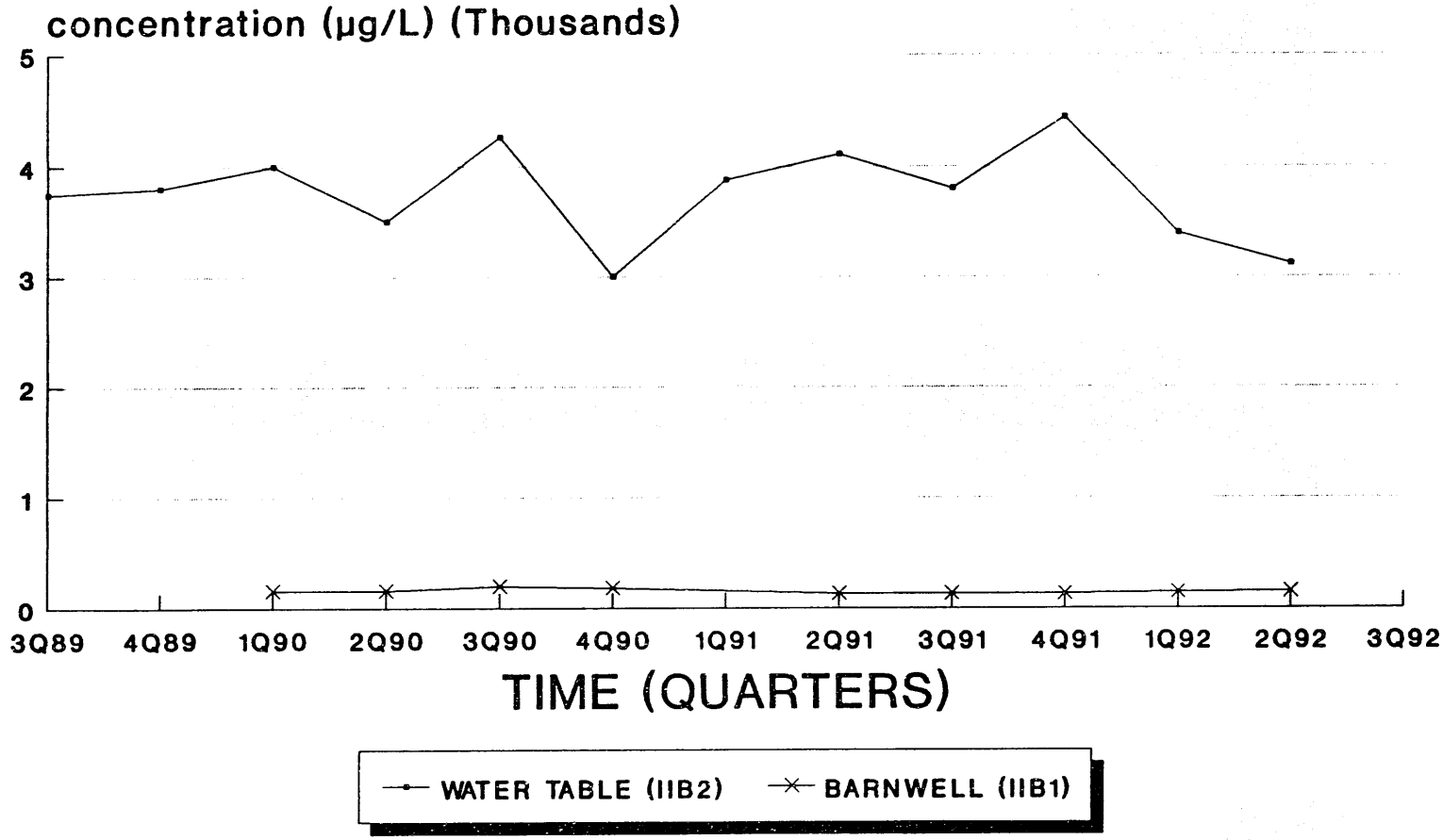
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB100

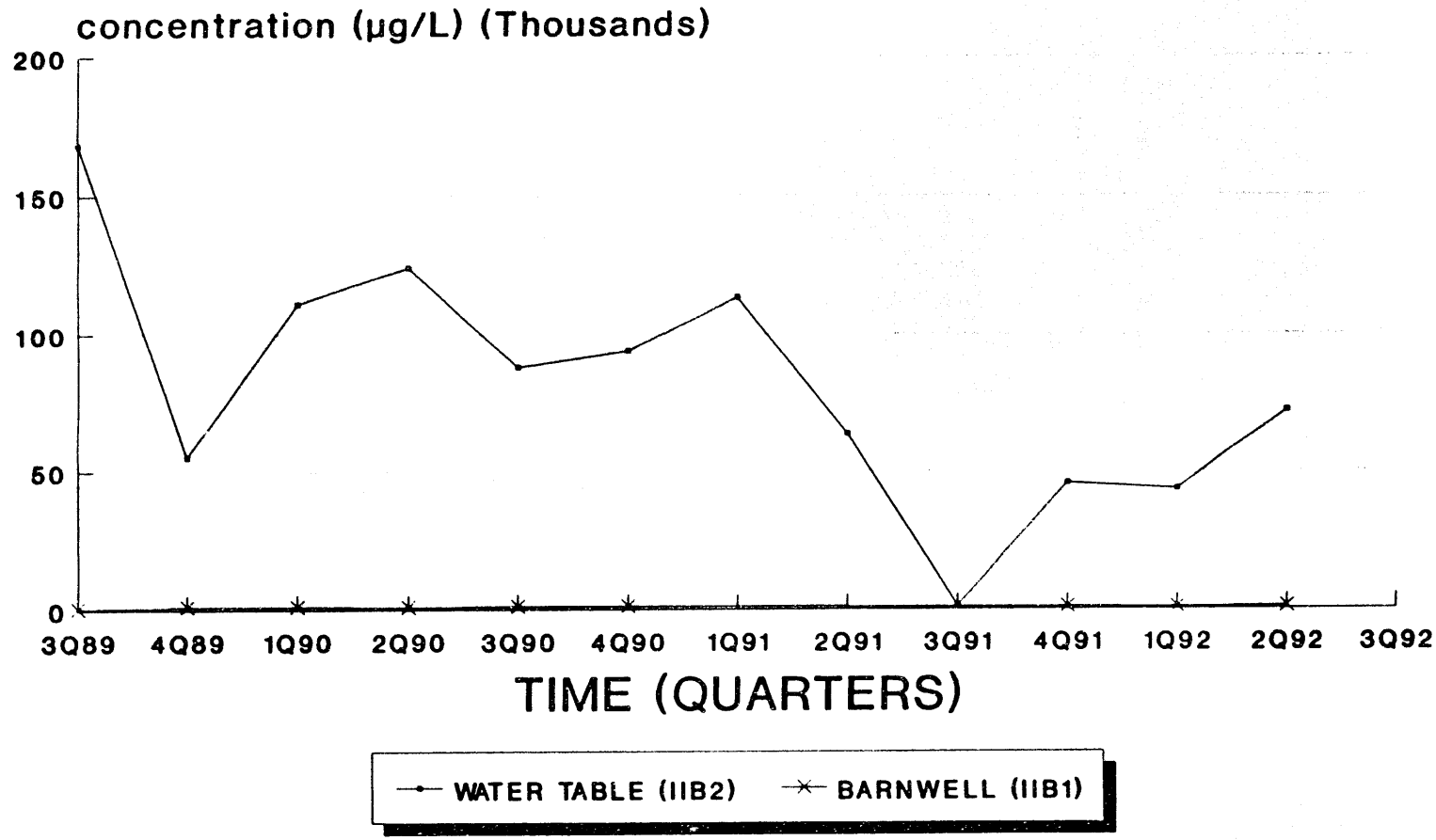
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB101

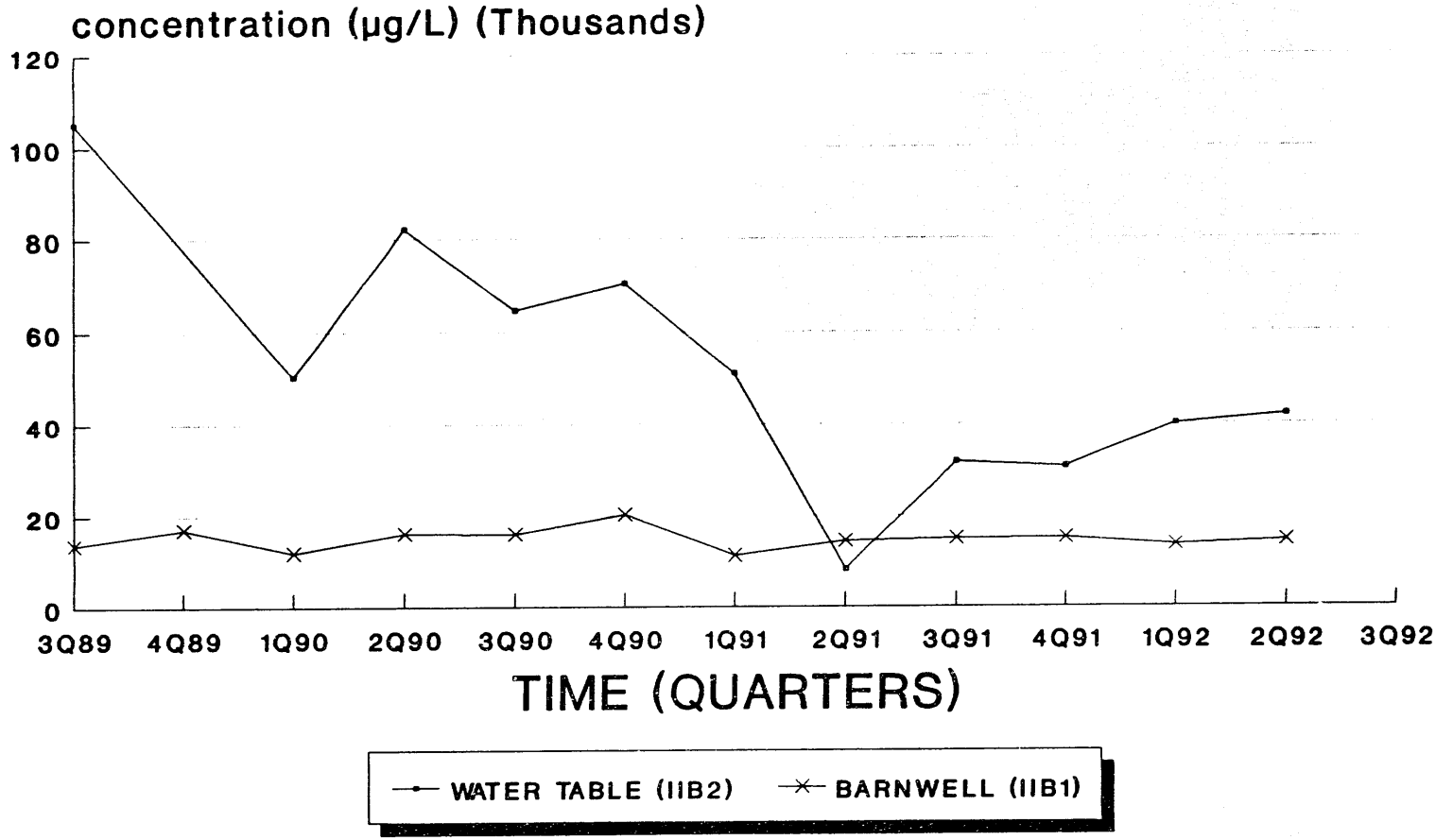
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB102

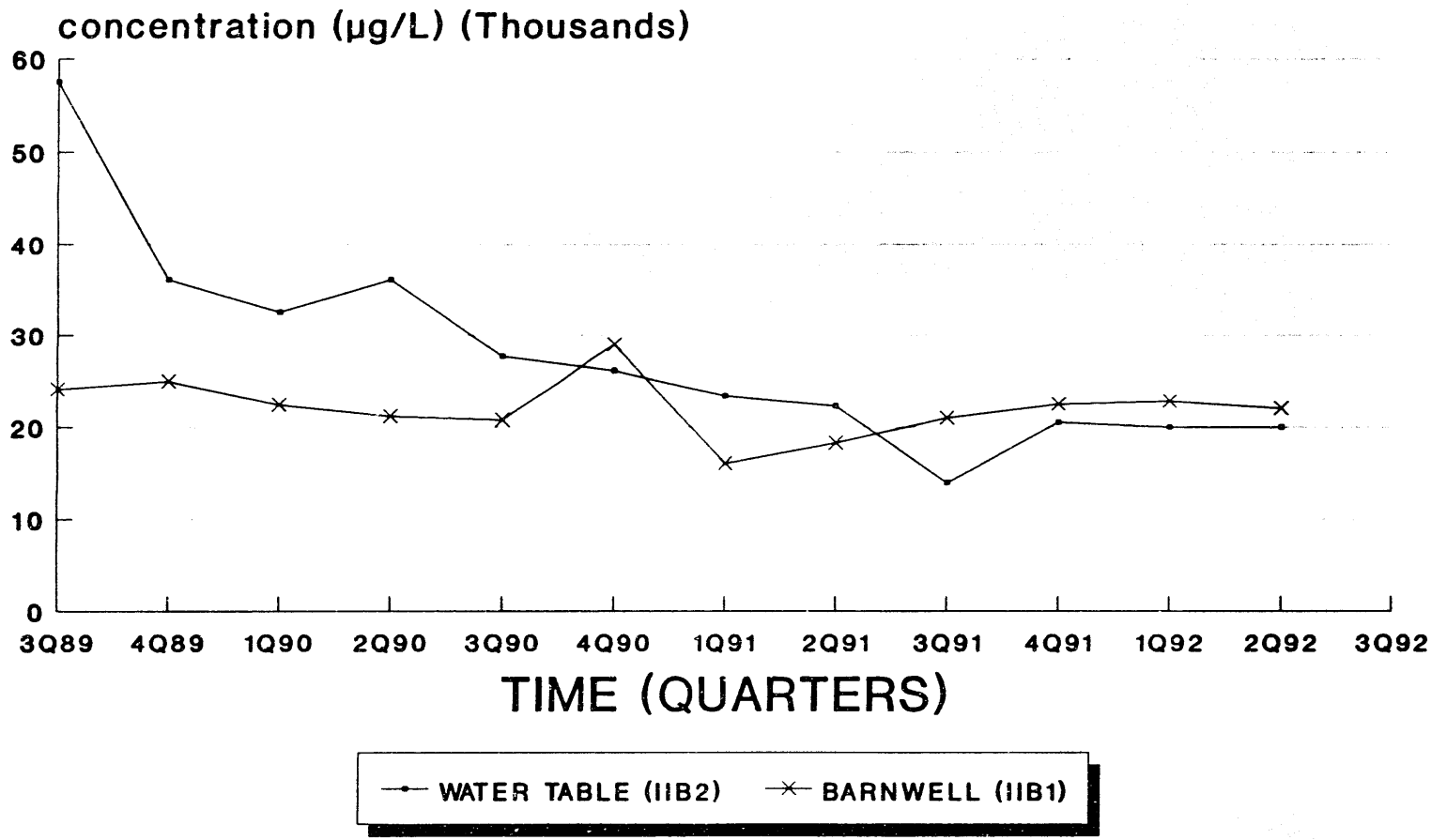
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB103

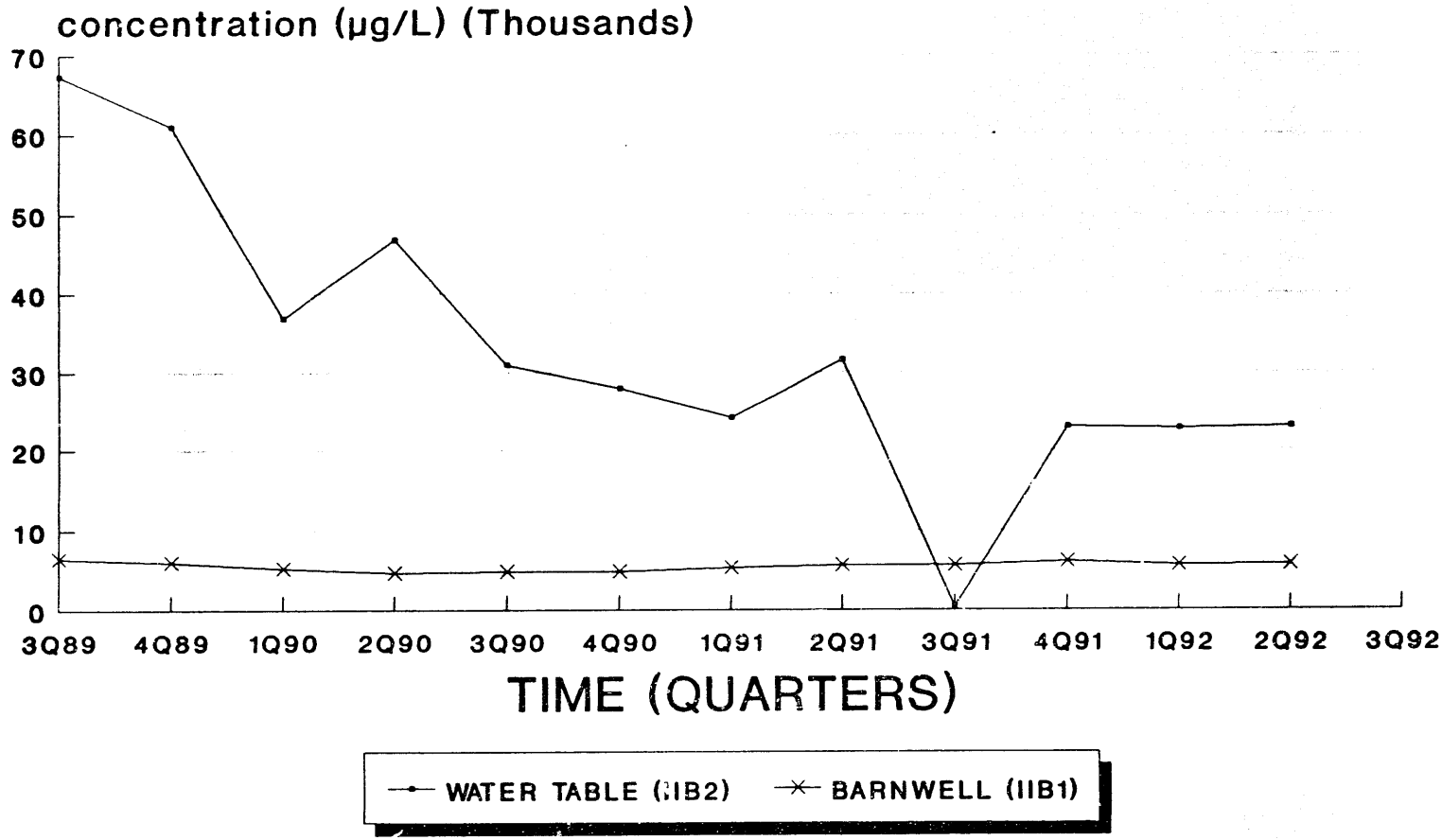
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB104

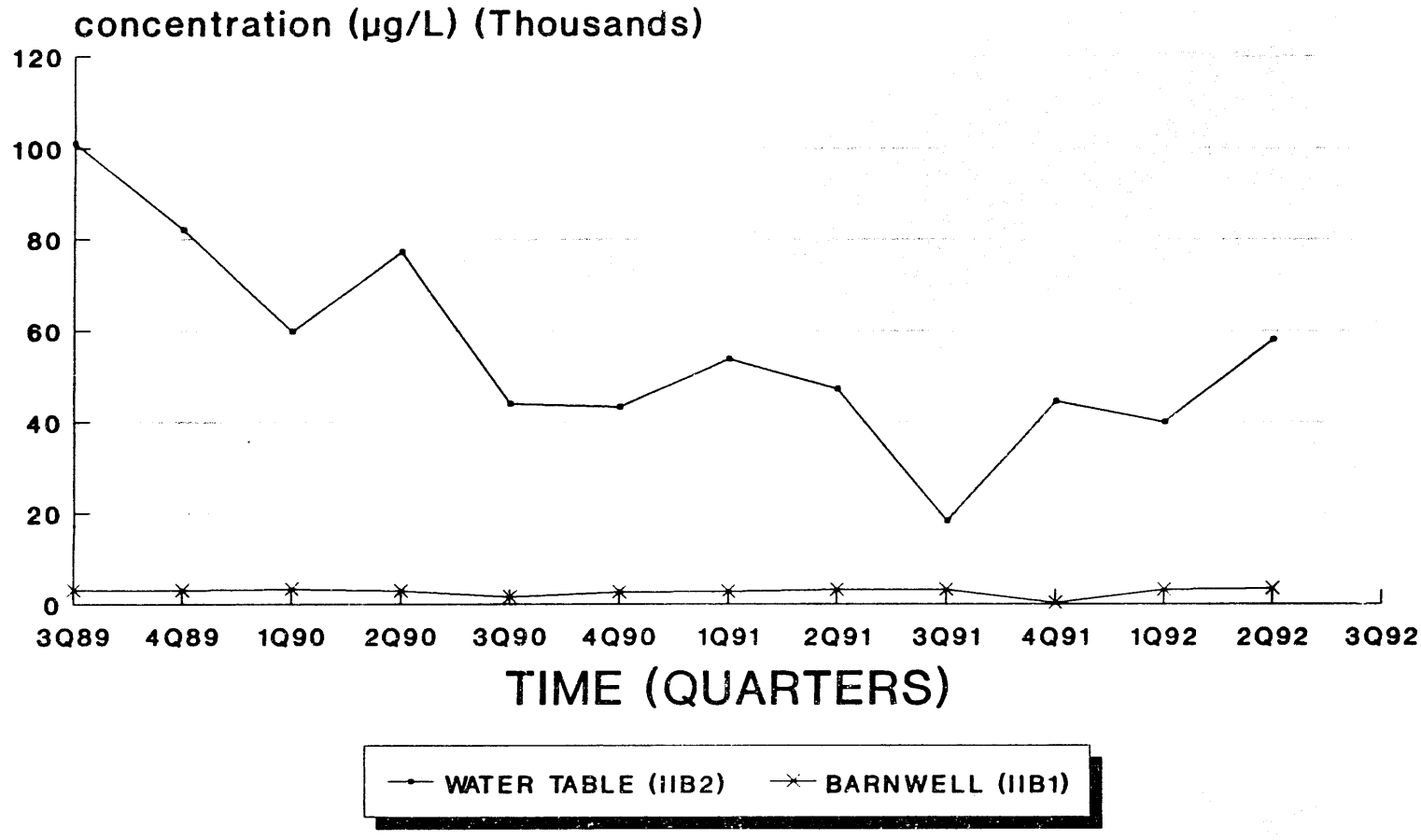
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB105

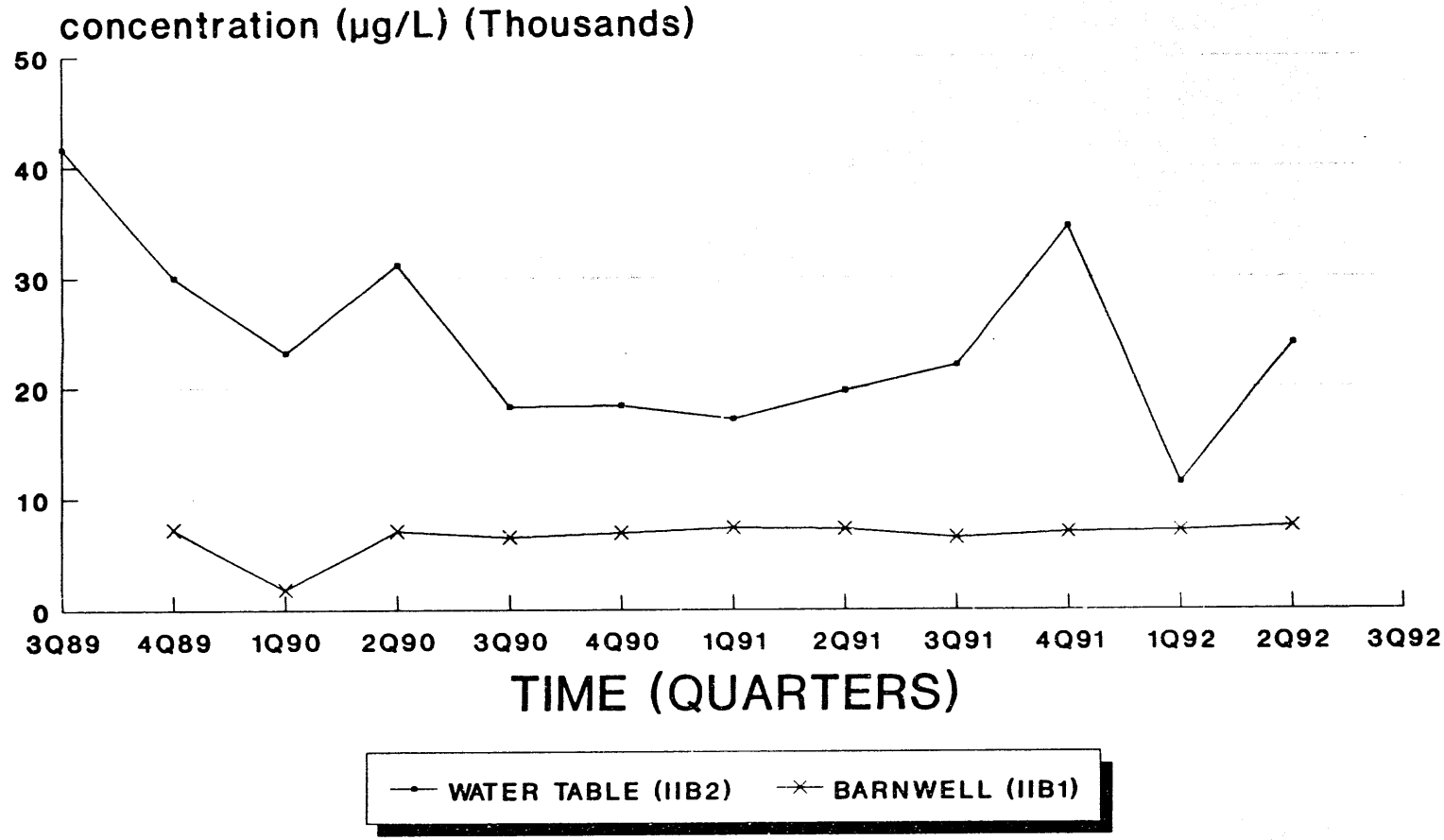
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB106

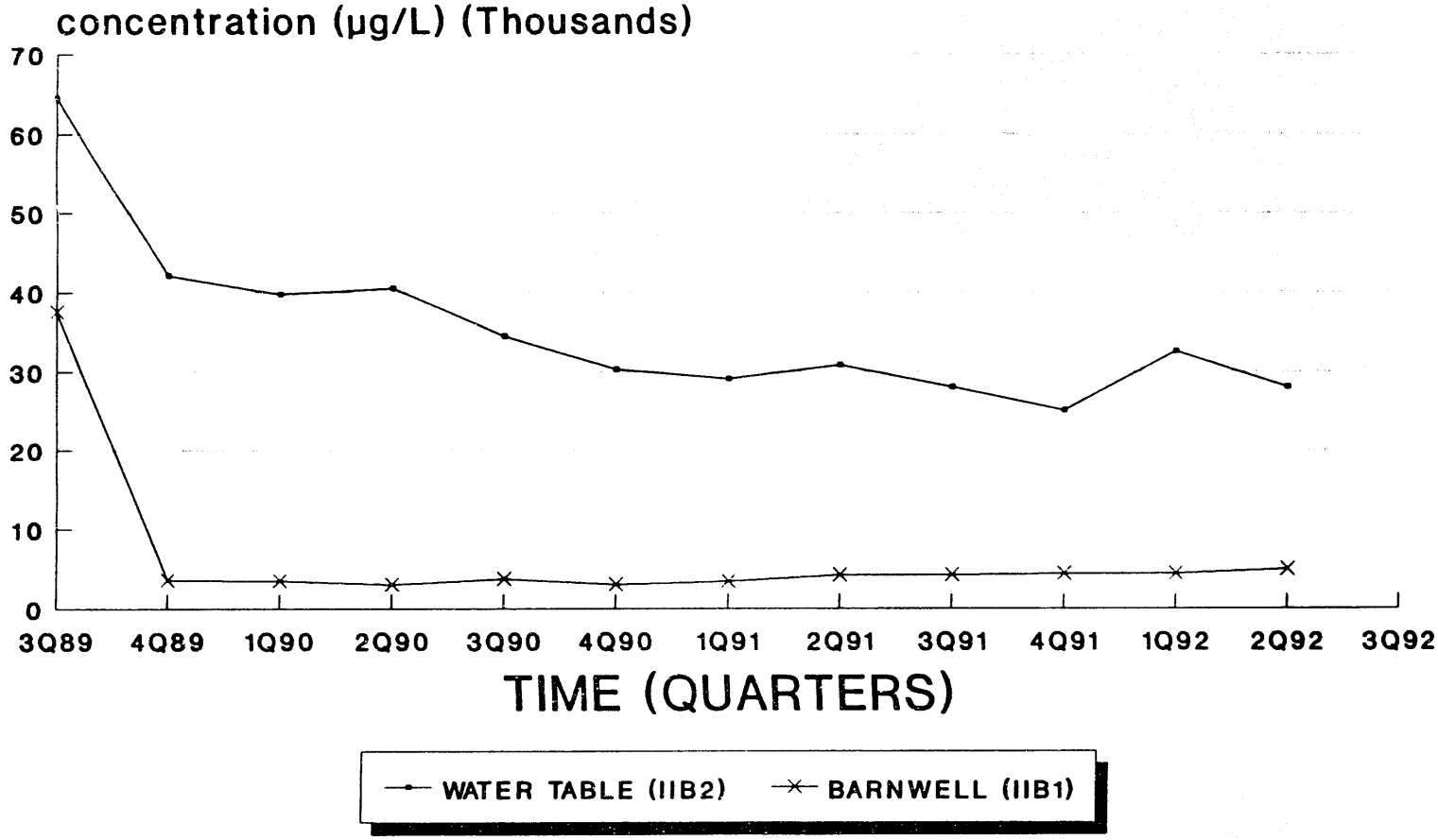
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB107

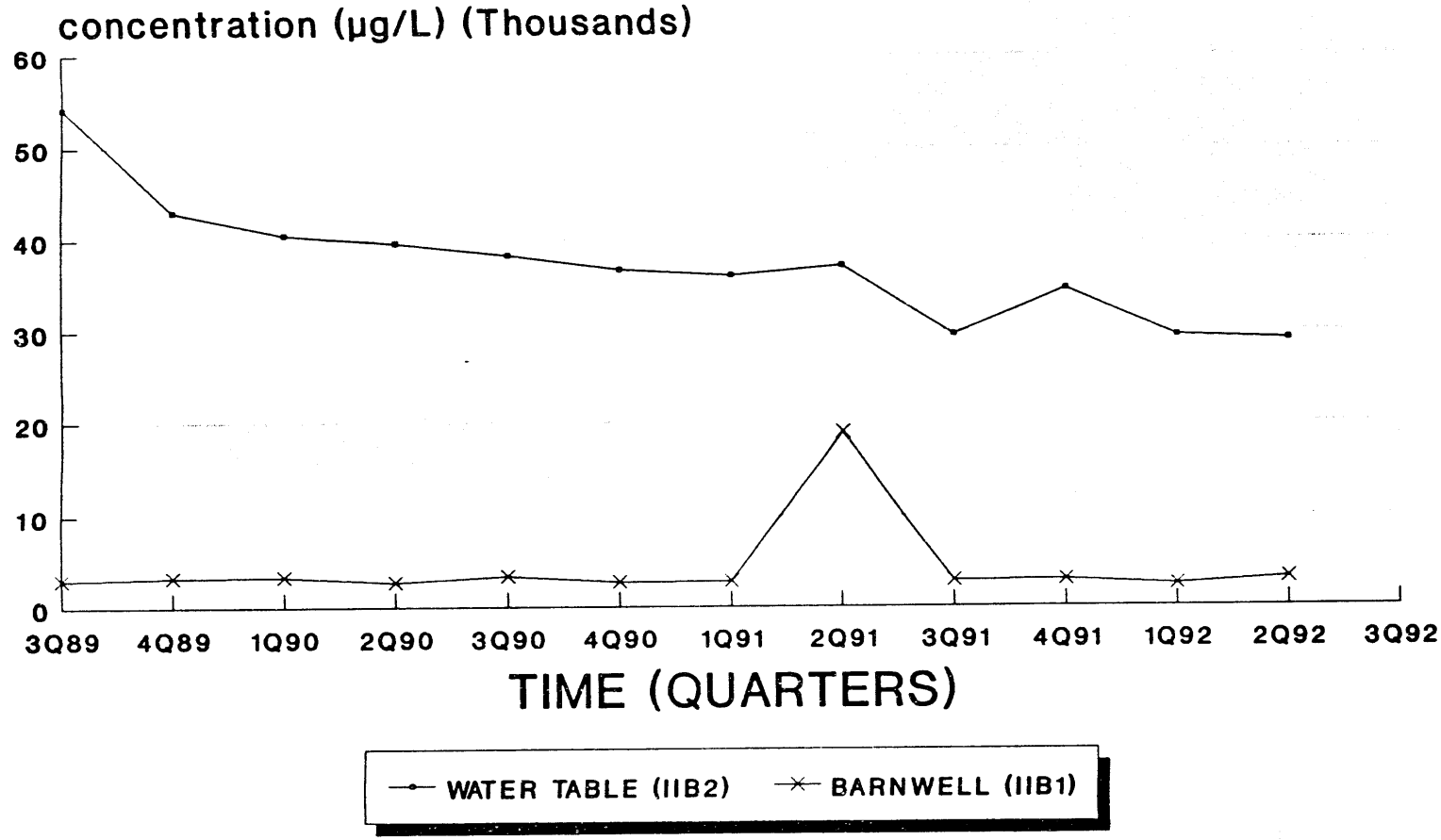
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB108

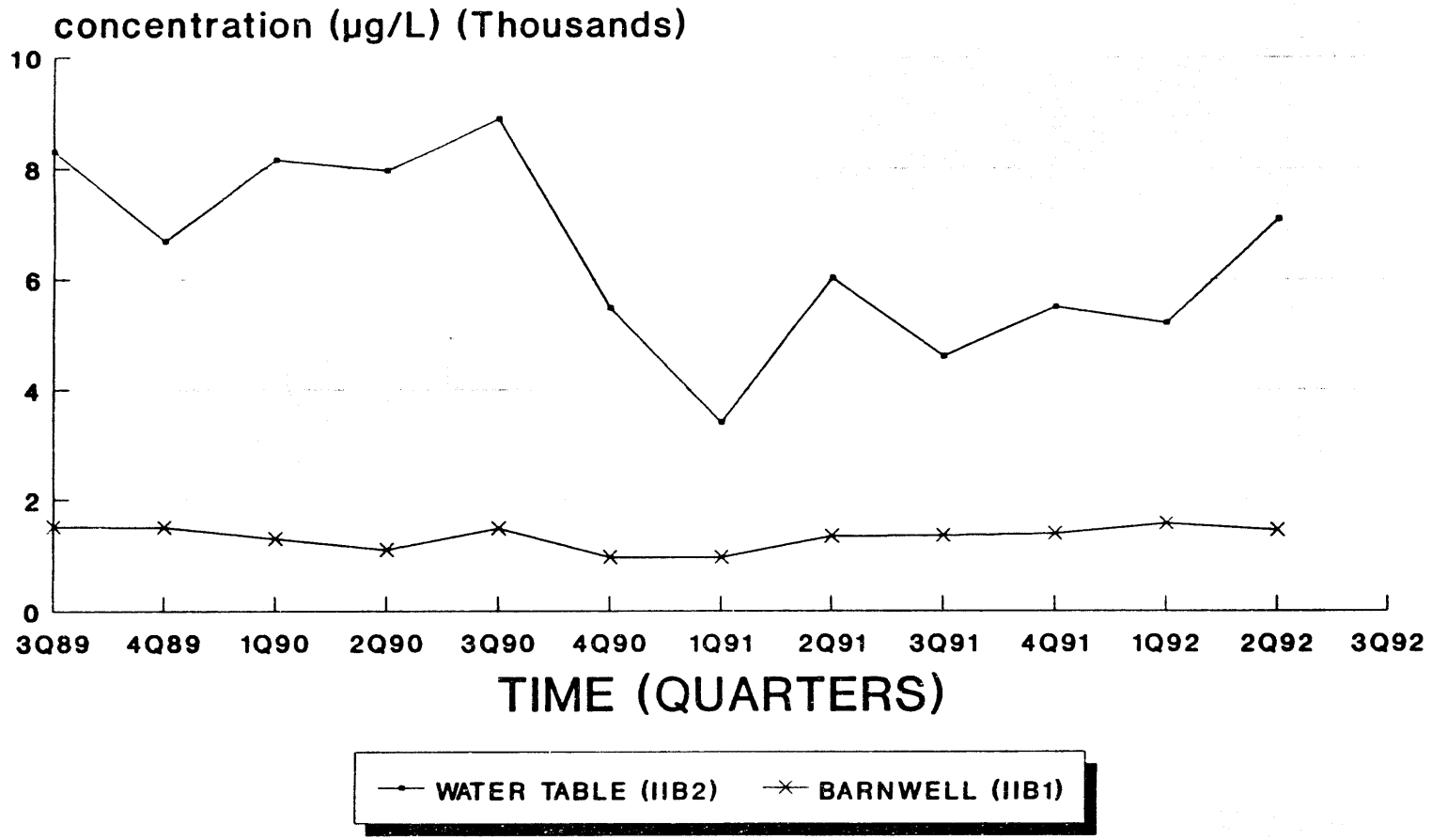
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB109

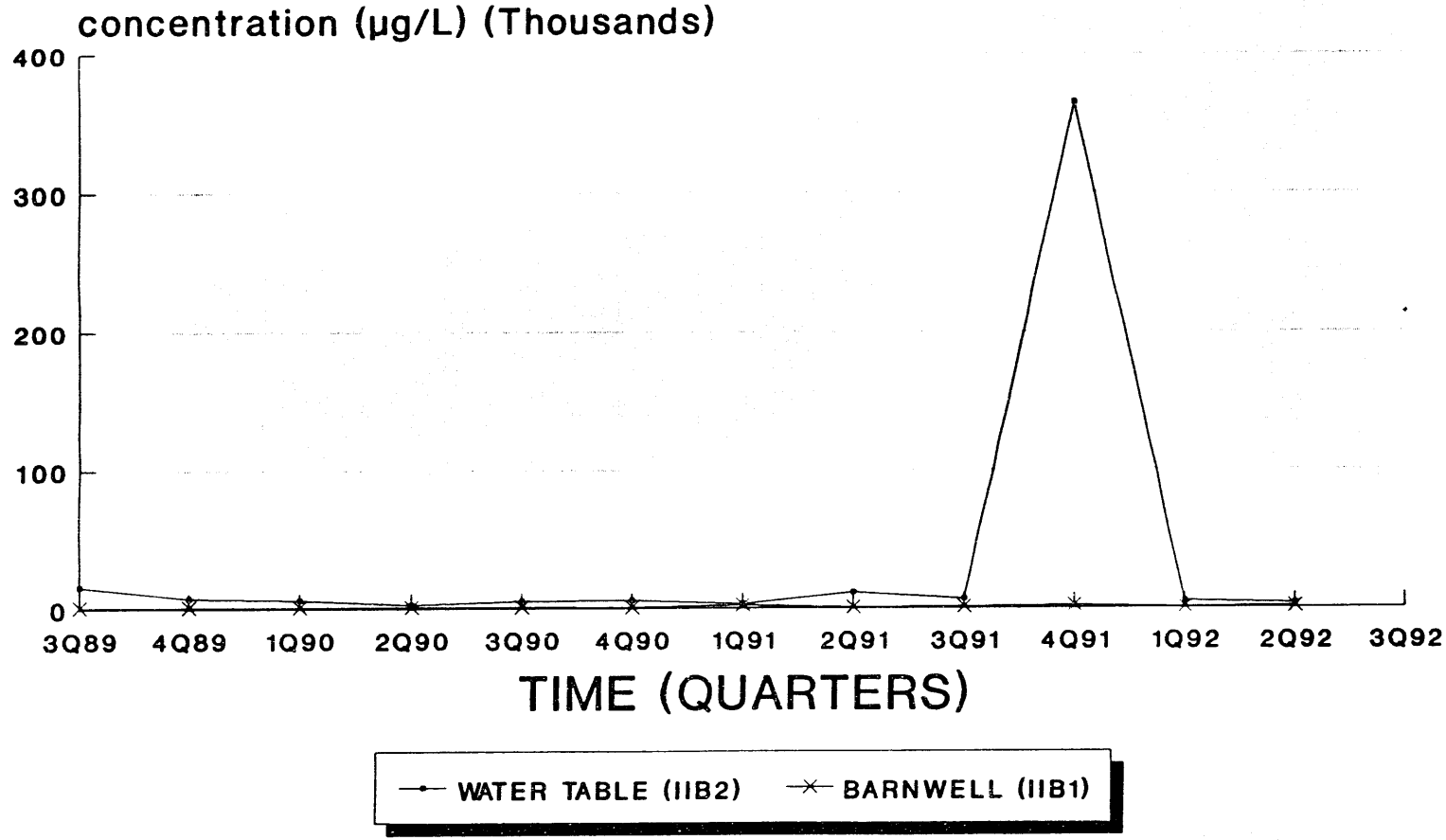
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB110

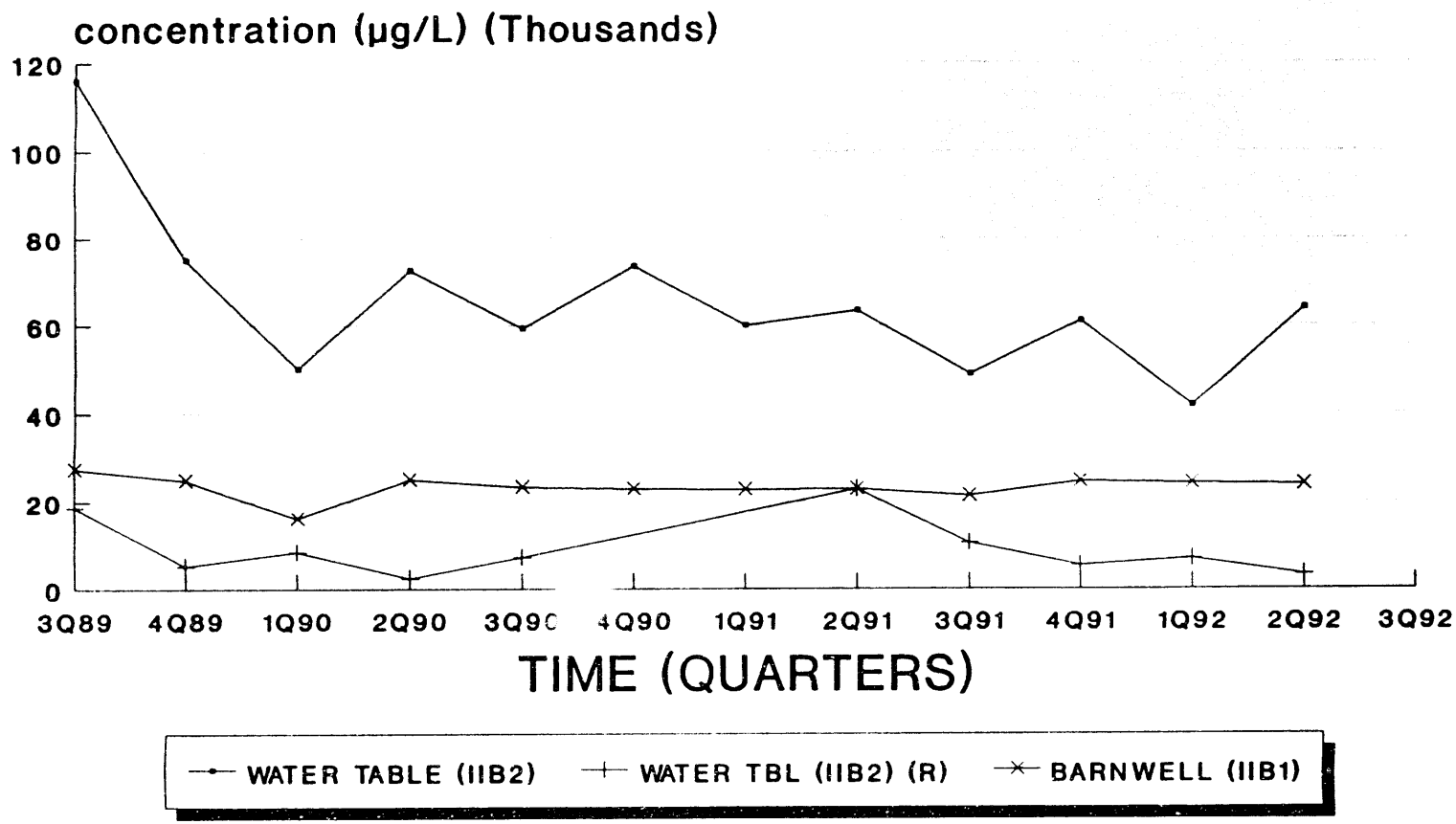
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB111

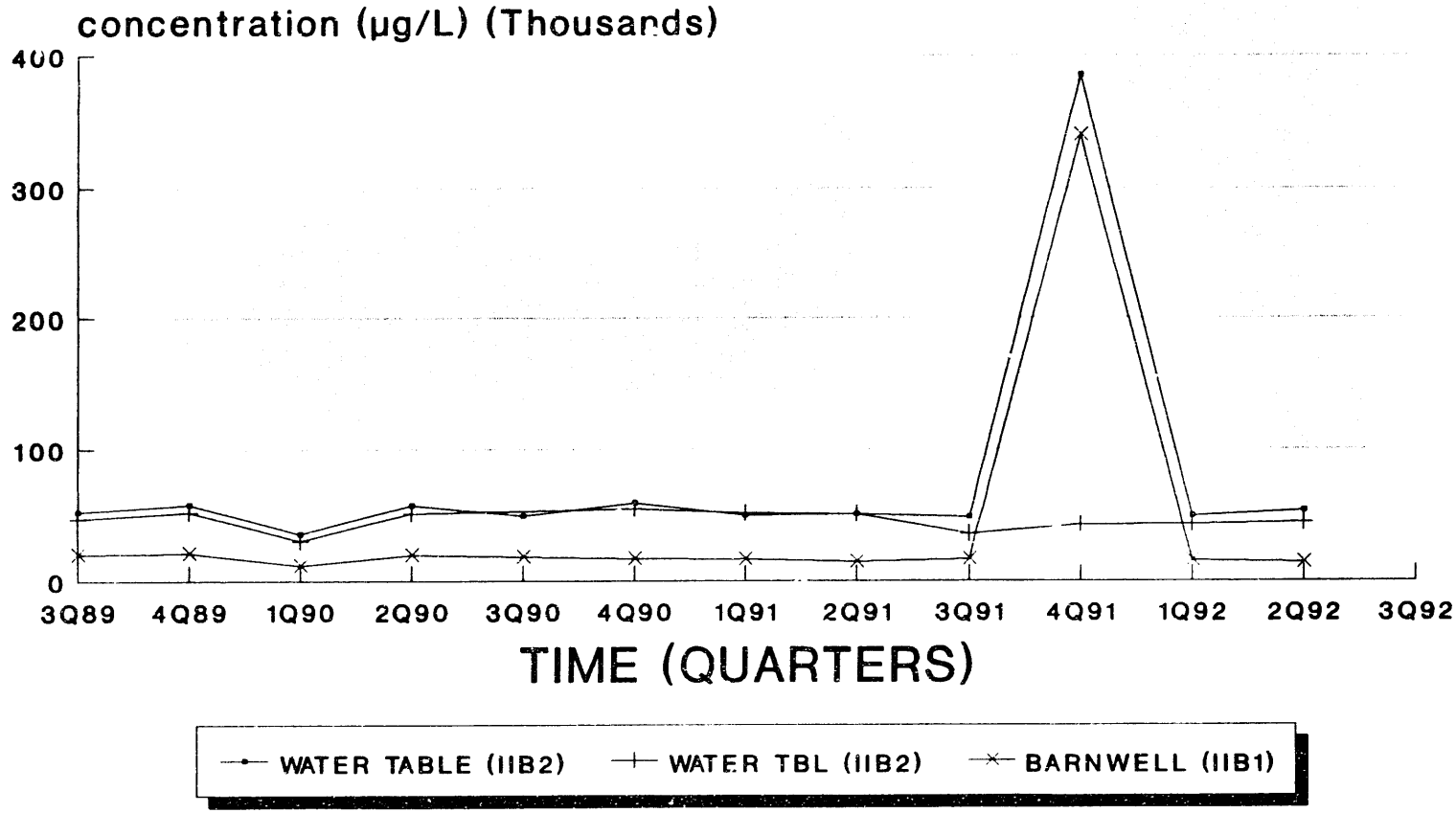
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - HSB112

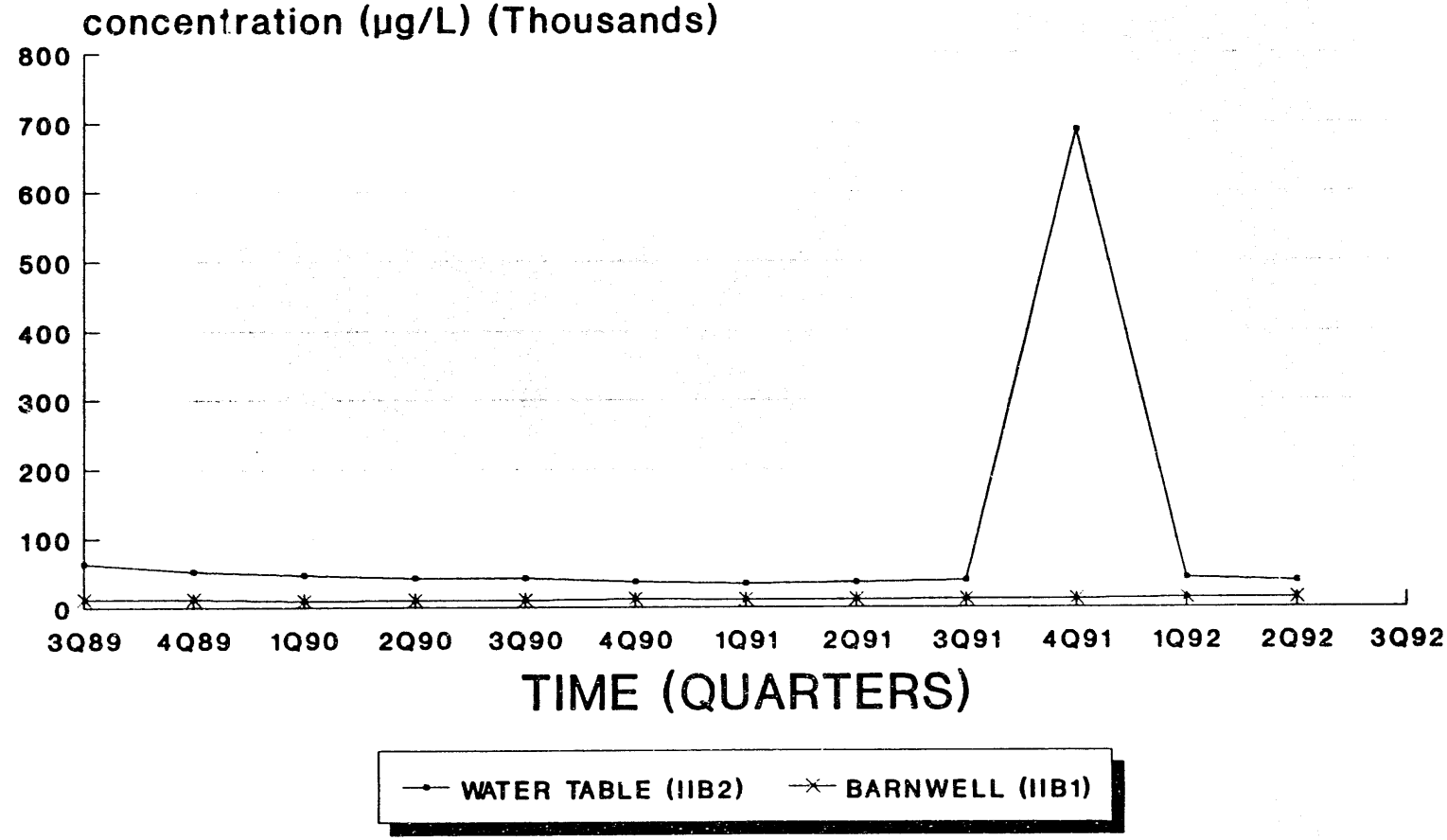
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well;
1st water table: HSB112D; 2nd HSB112E

CLUSTER - HSB113

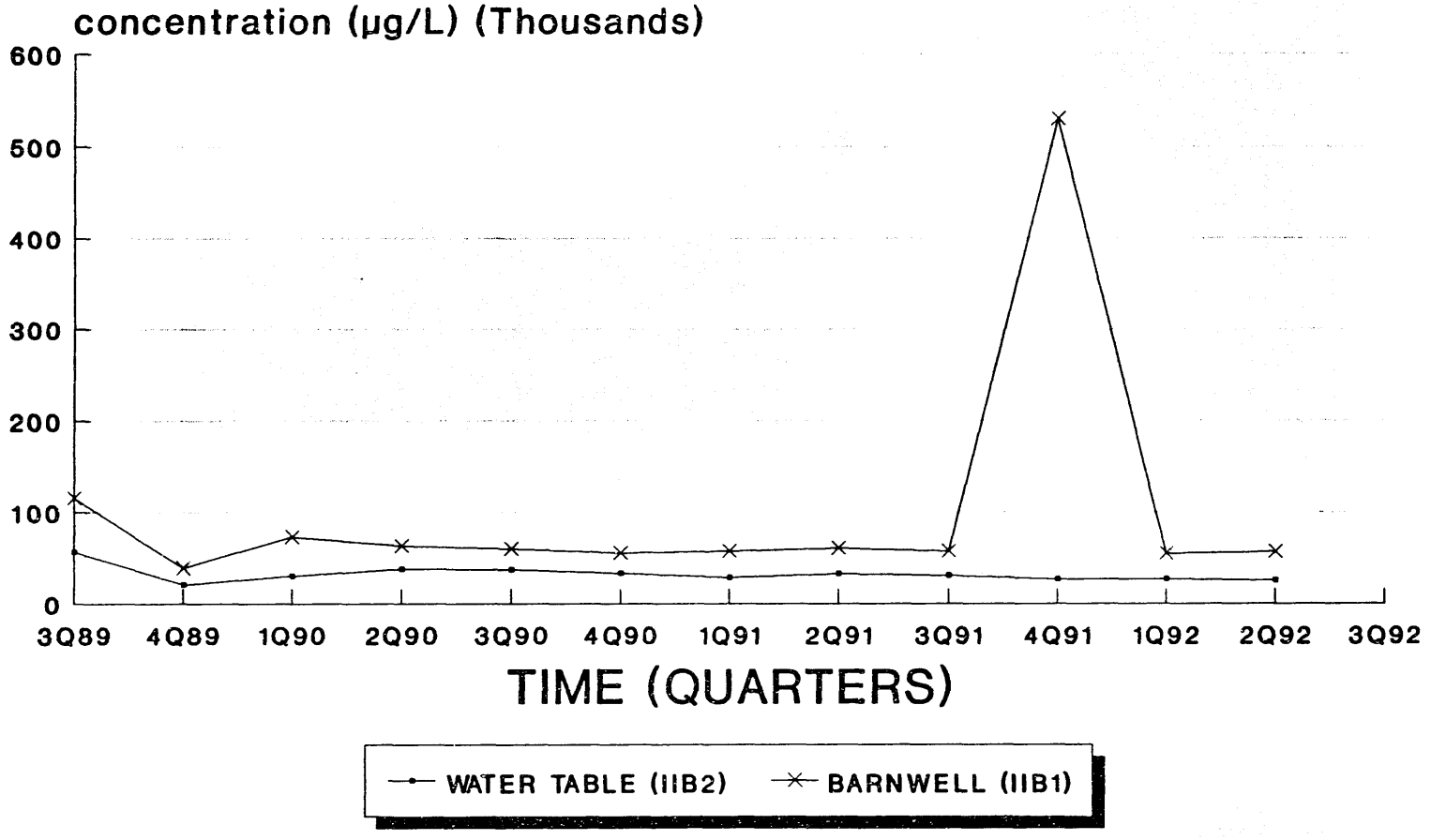
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB114

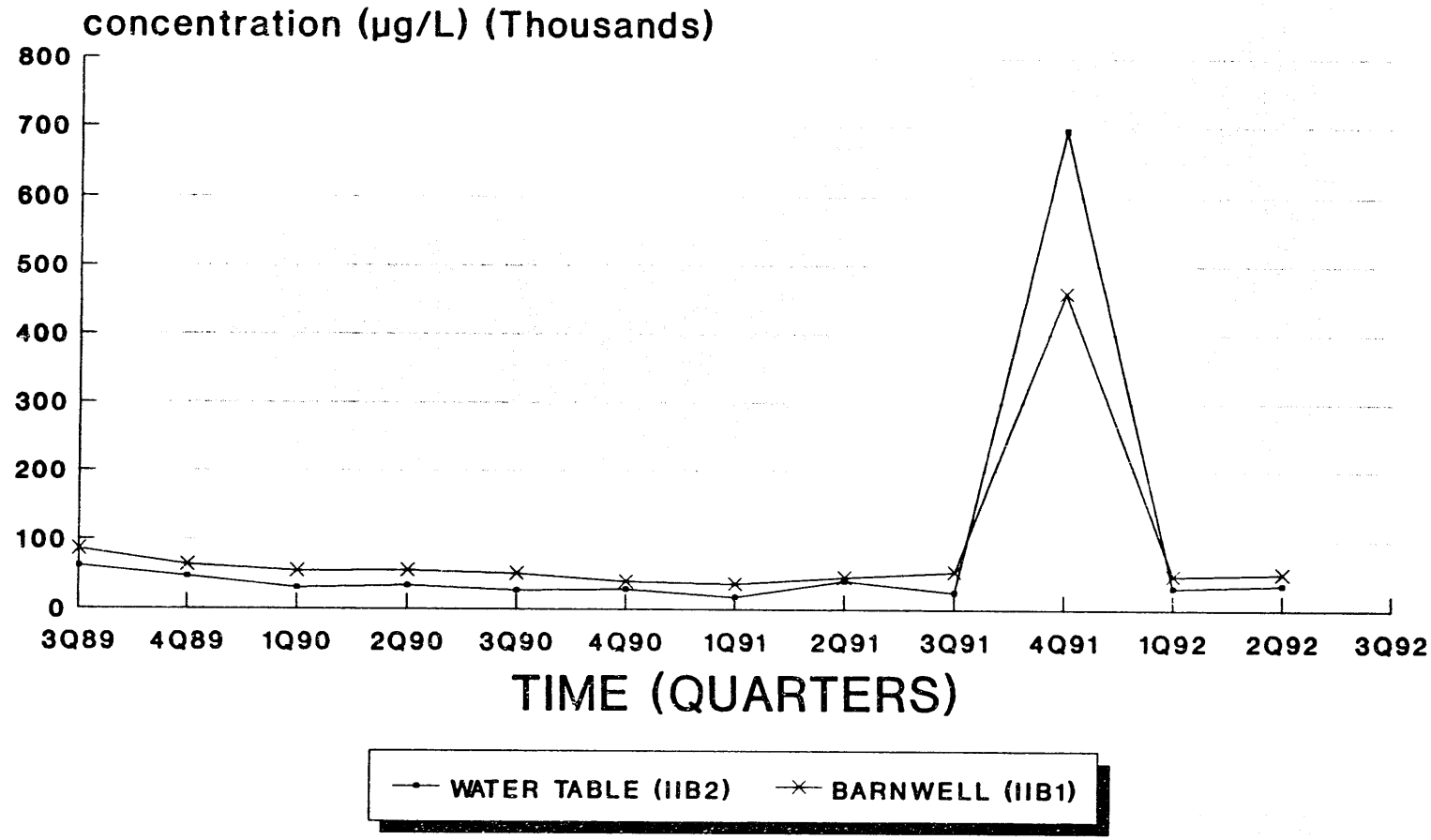
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB115

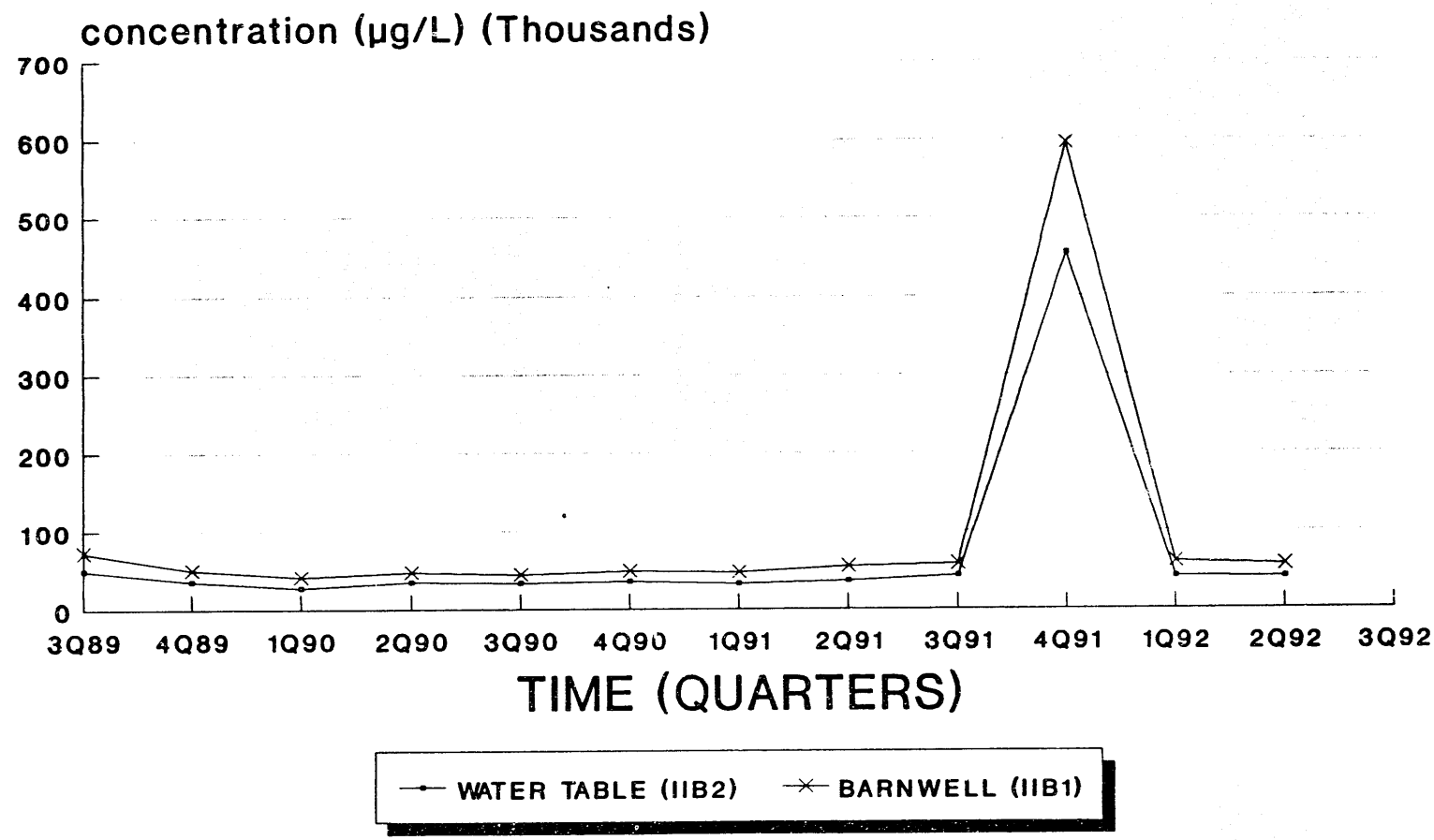
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB116

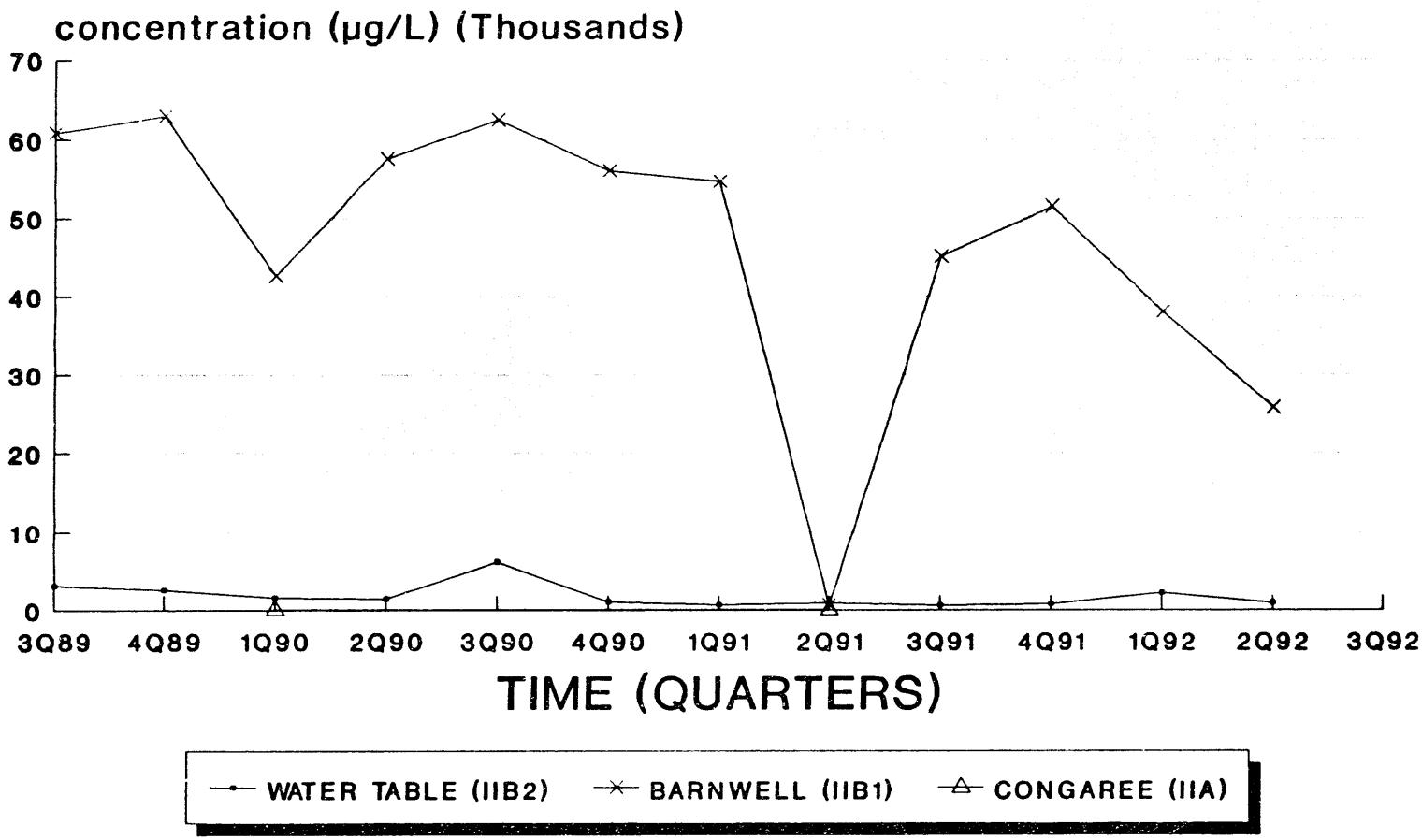
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

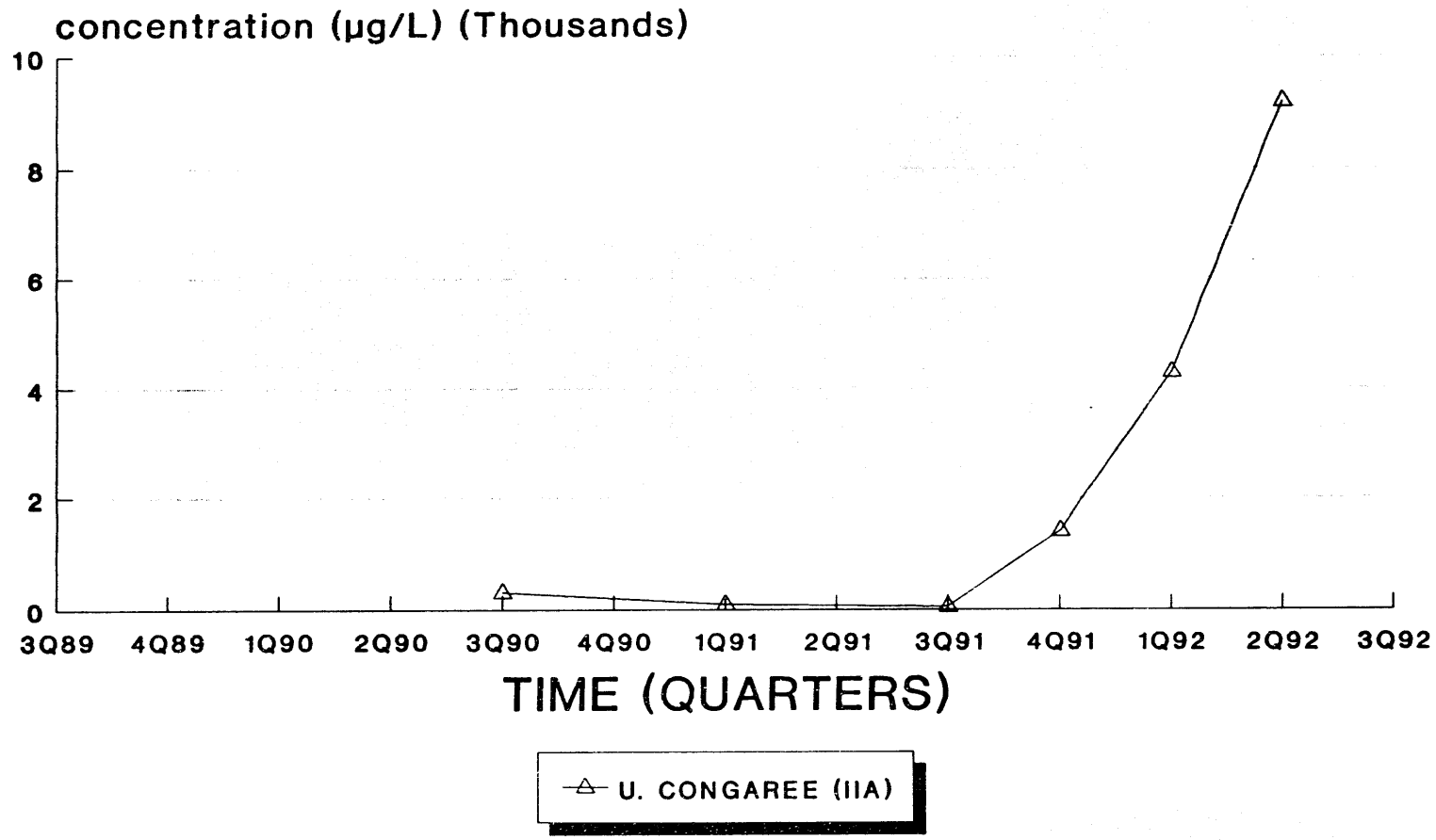
CLUSTER - HSB117

Nitrate



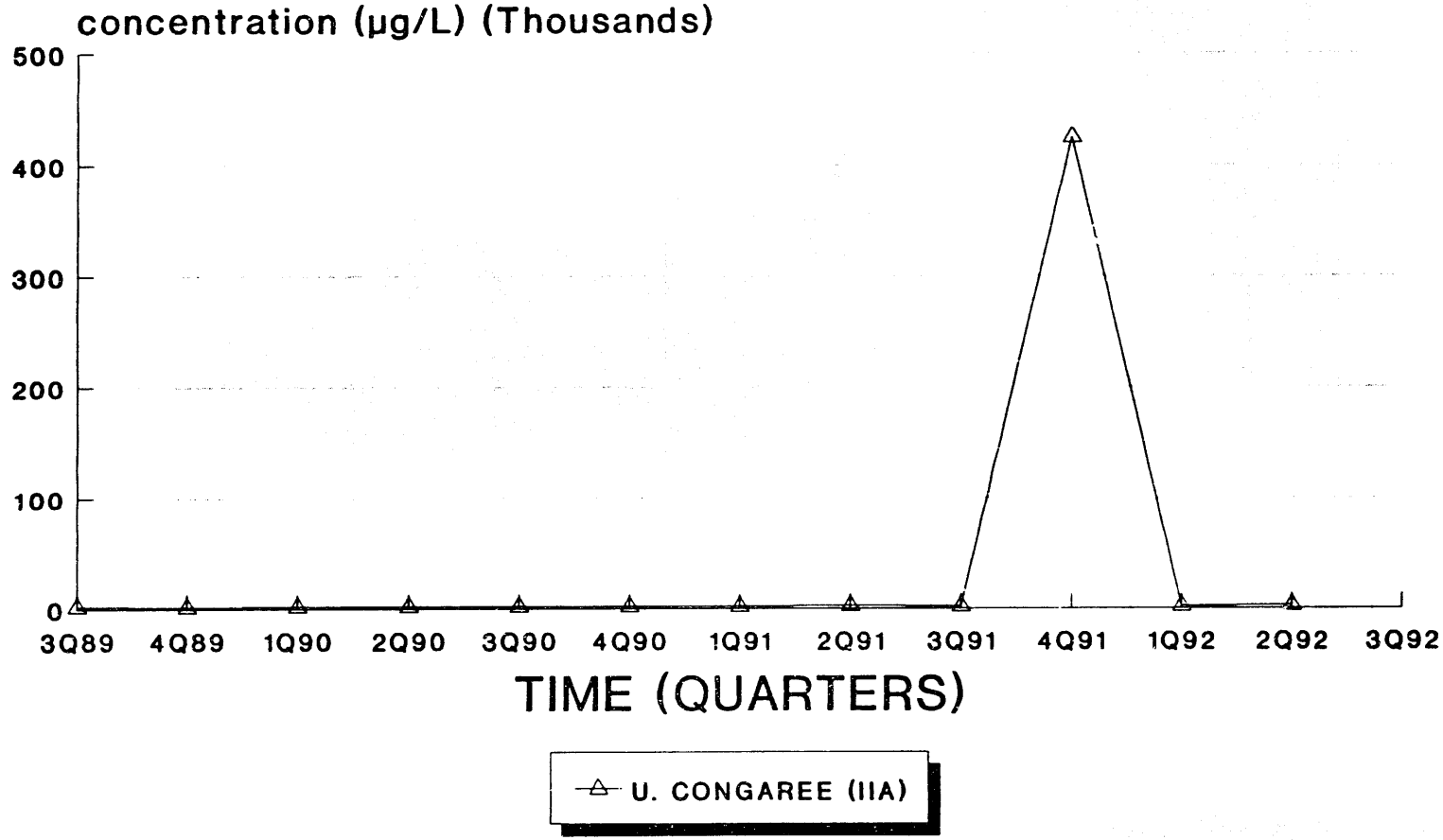
PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB118A
Nitrate



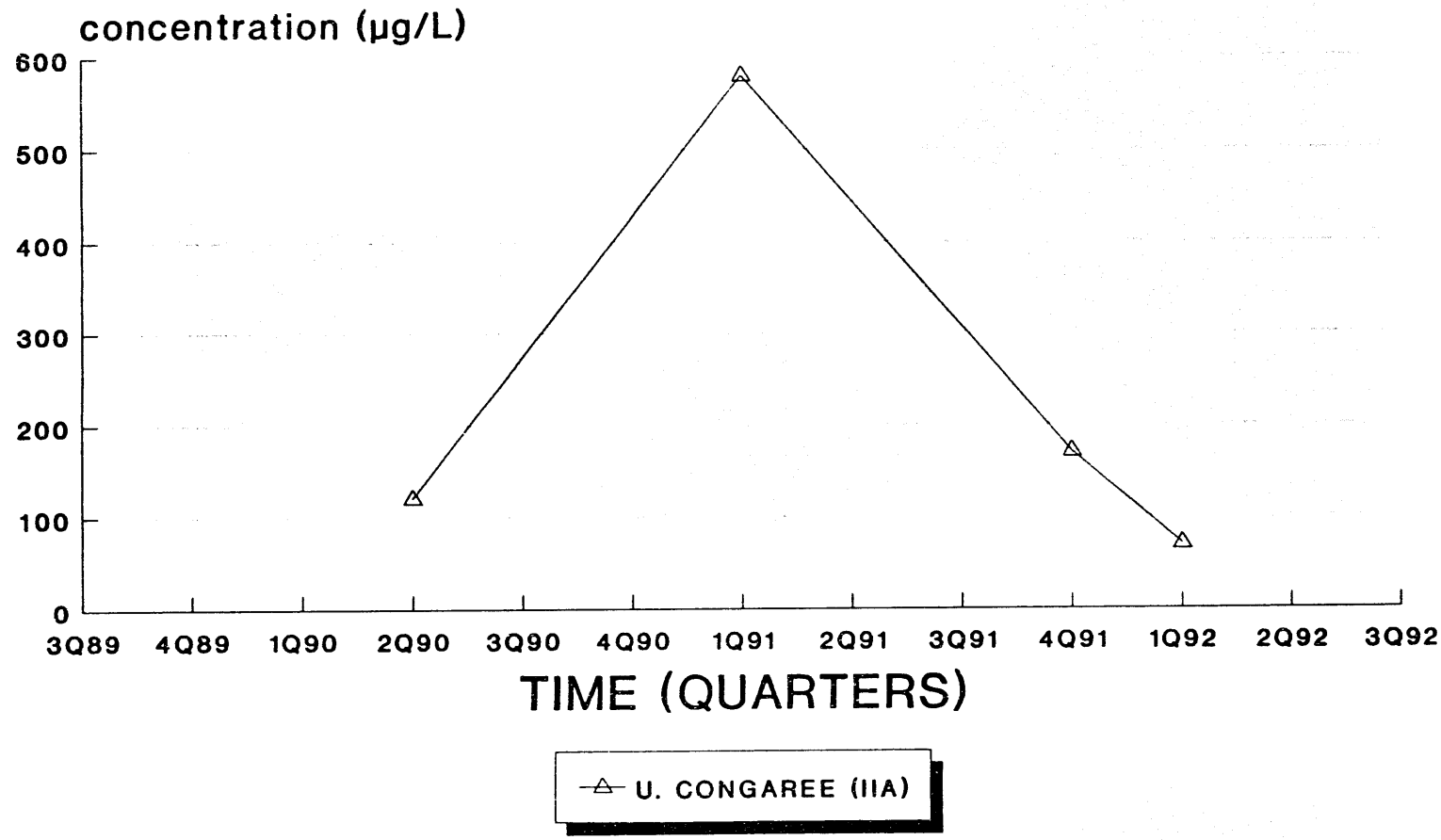
PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB119A
Nitrate



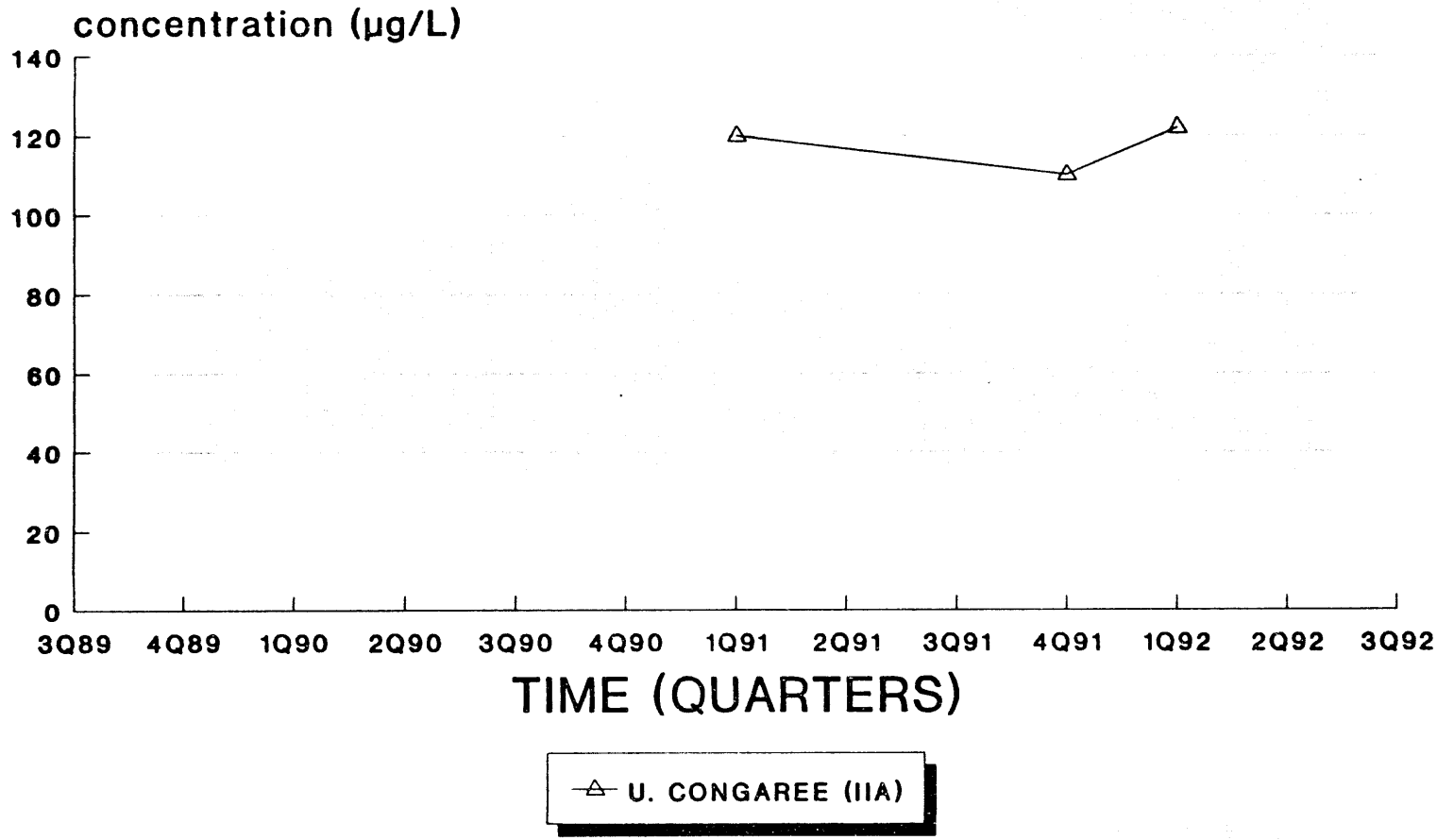
PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB120A
Nitrate



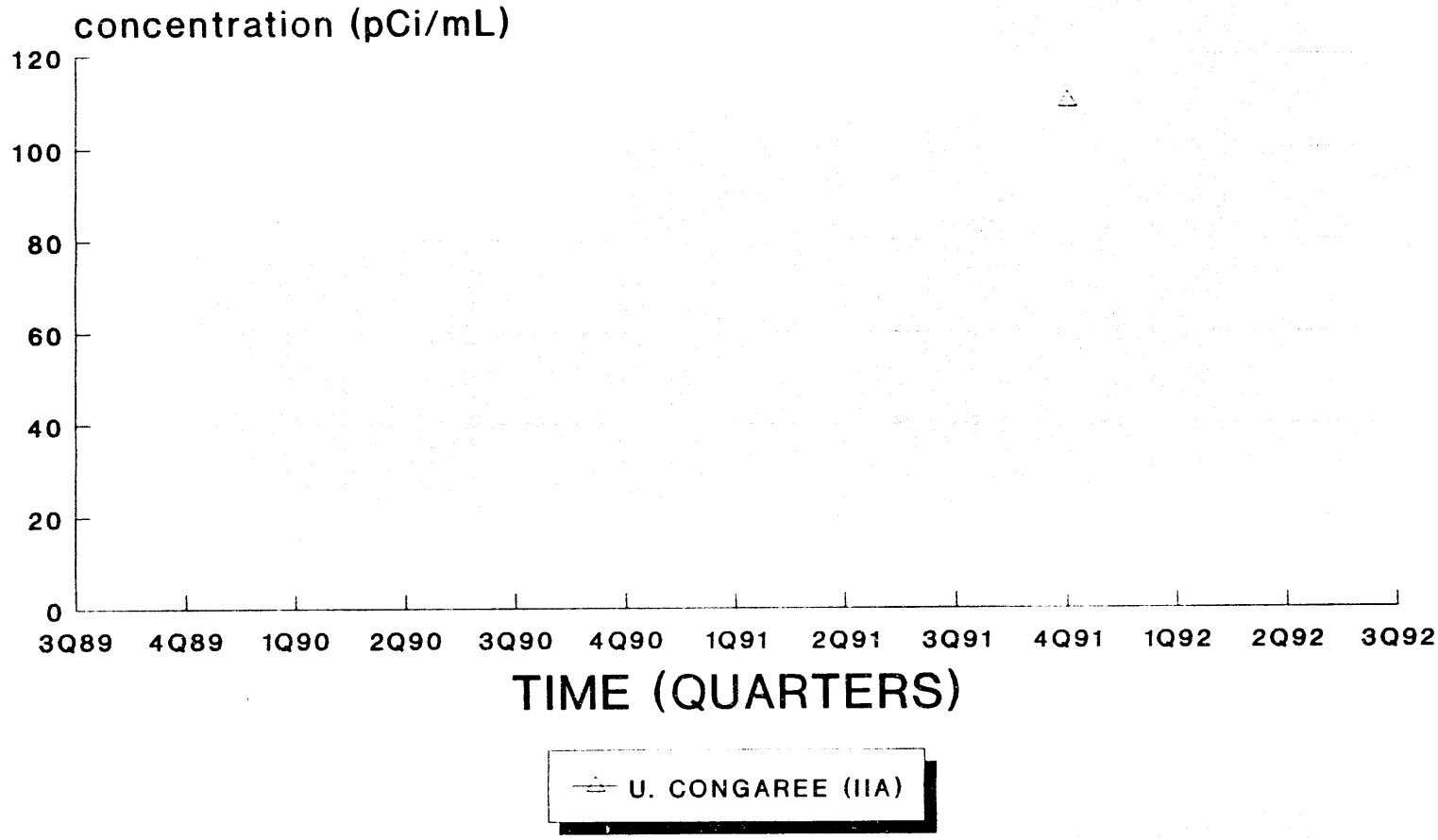
PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB121A
Nitrate



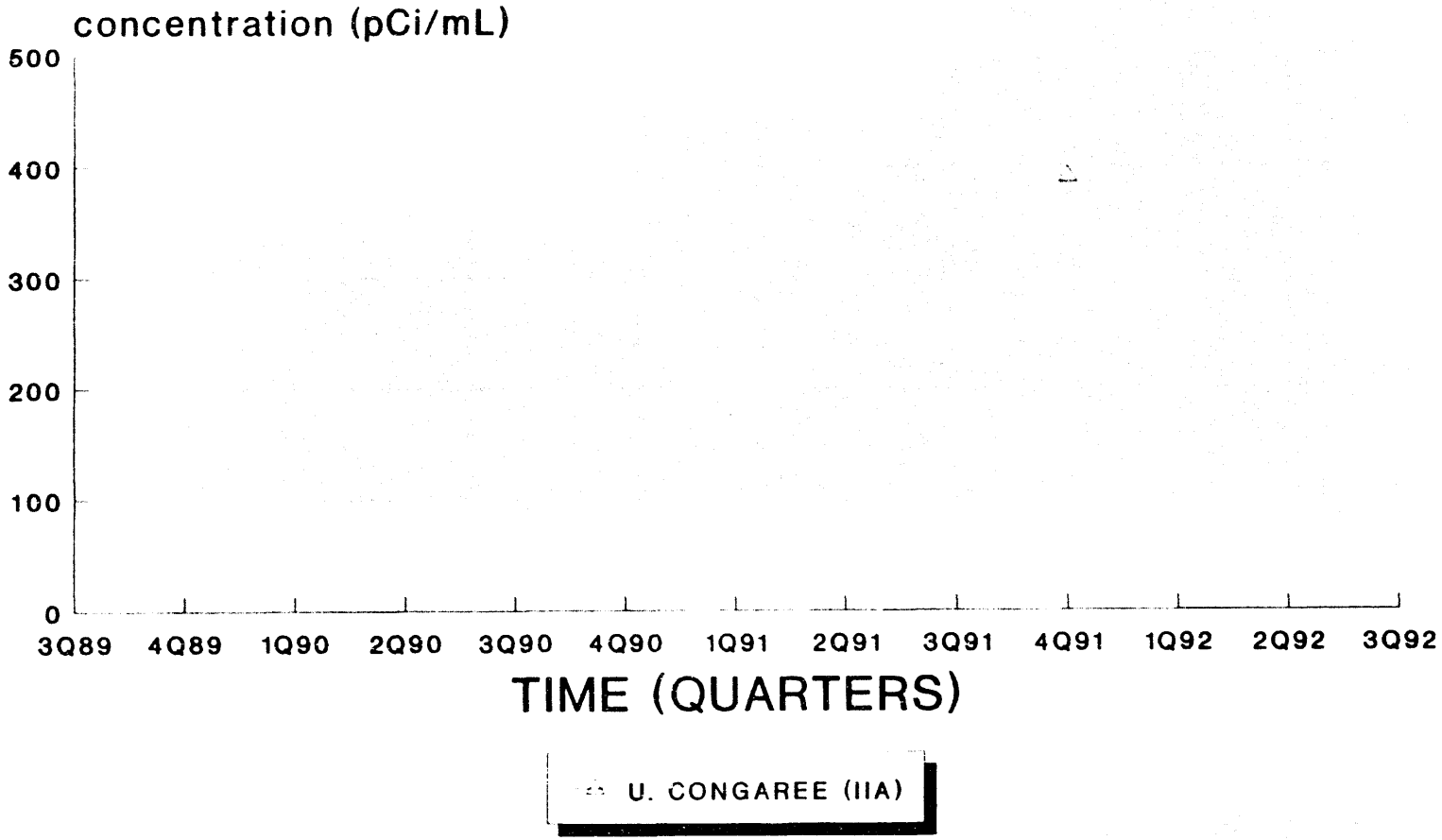
PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB122A
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

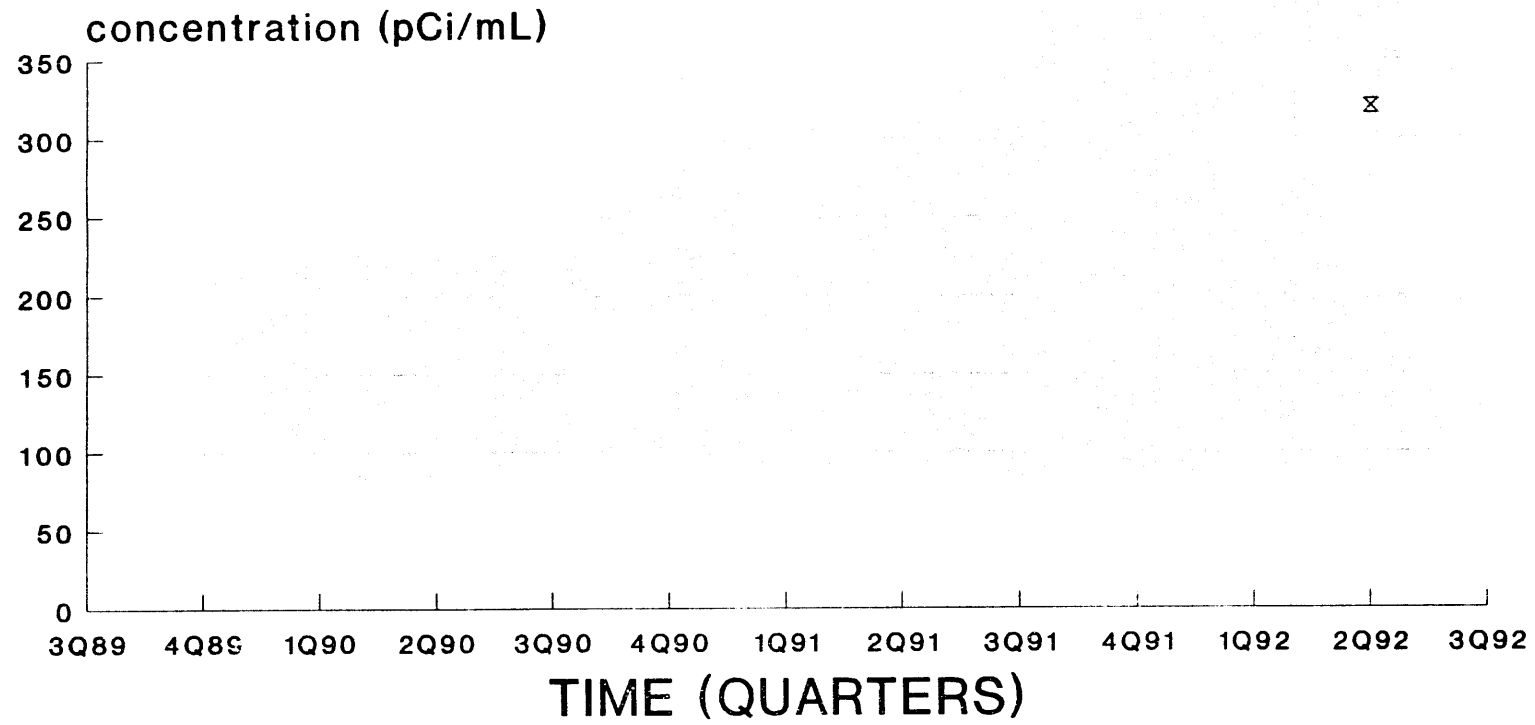
HSB123A
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB124AR

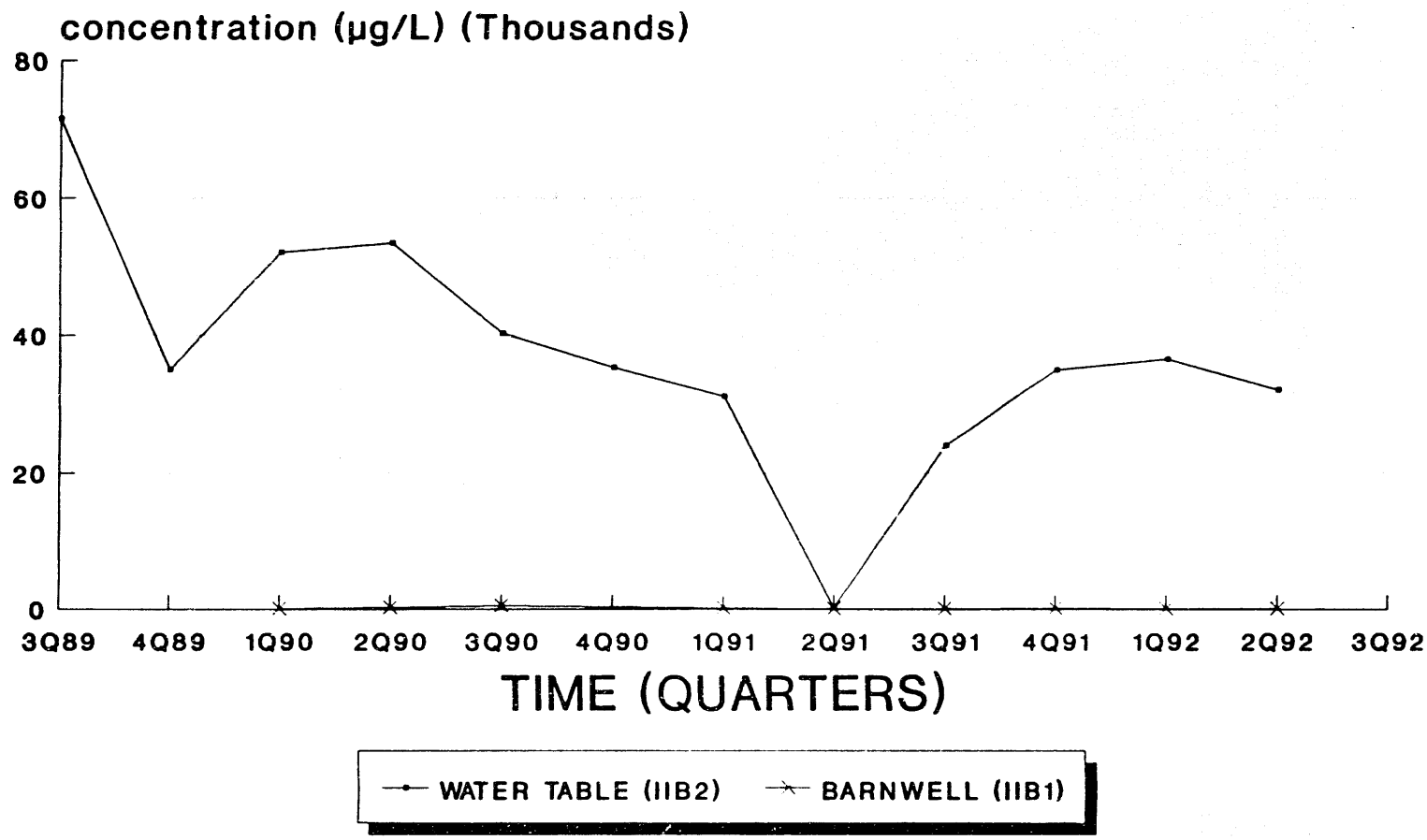
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well
(R) denotes replacement well

CLUSTER - HSB125

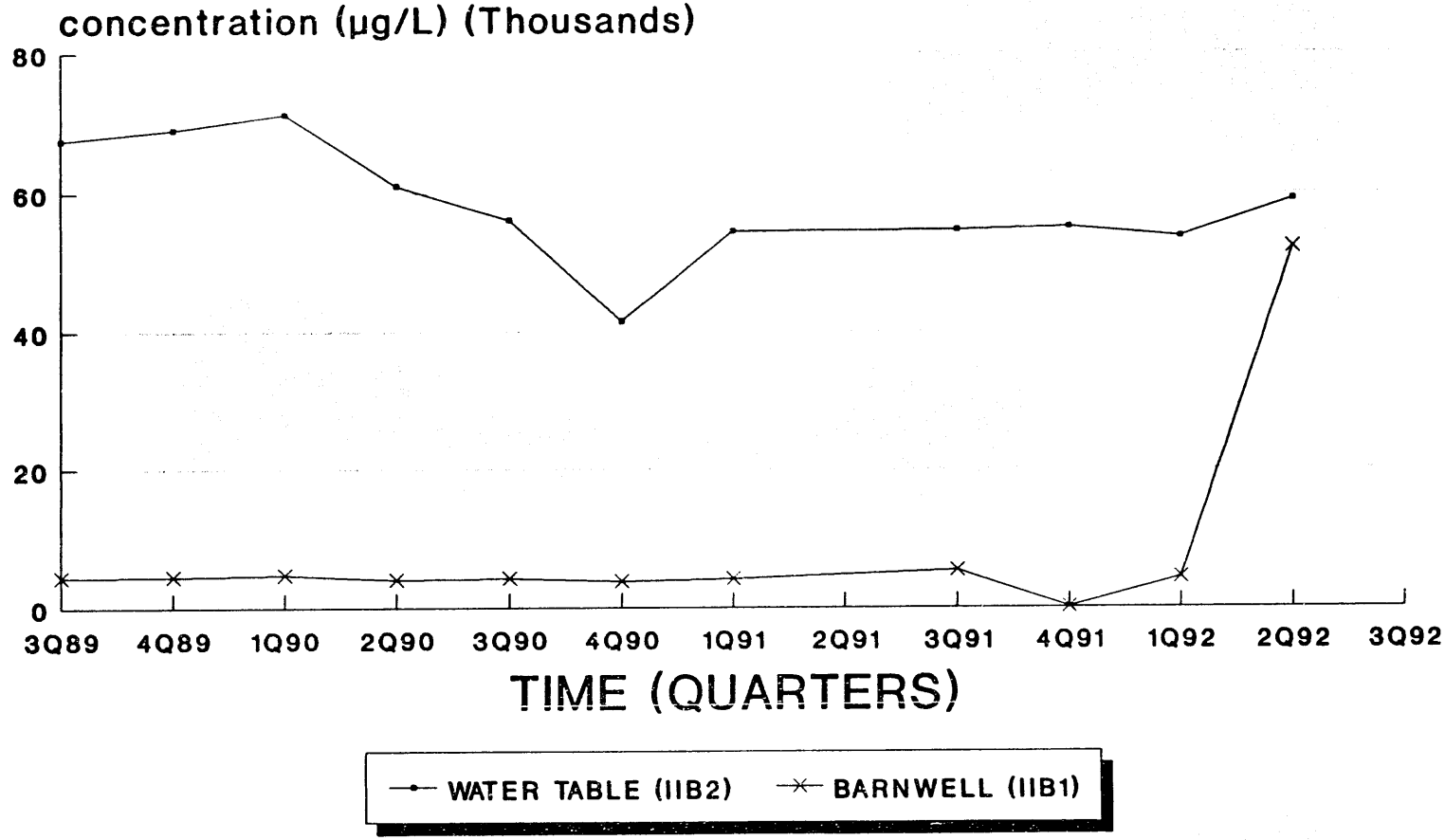
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB126

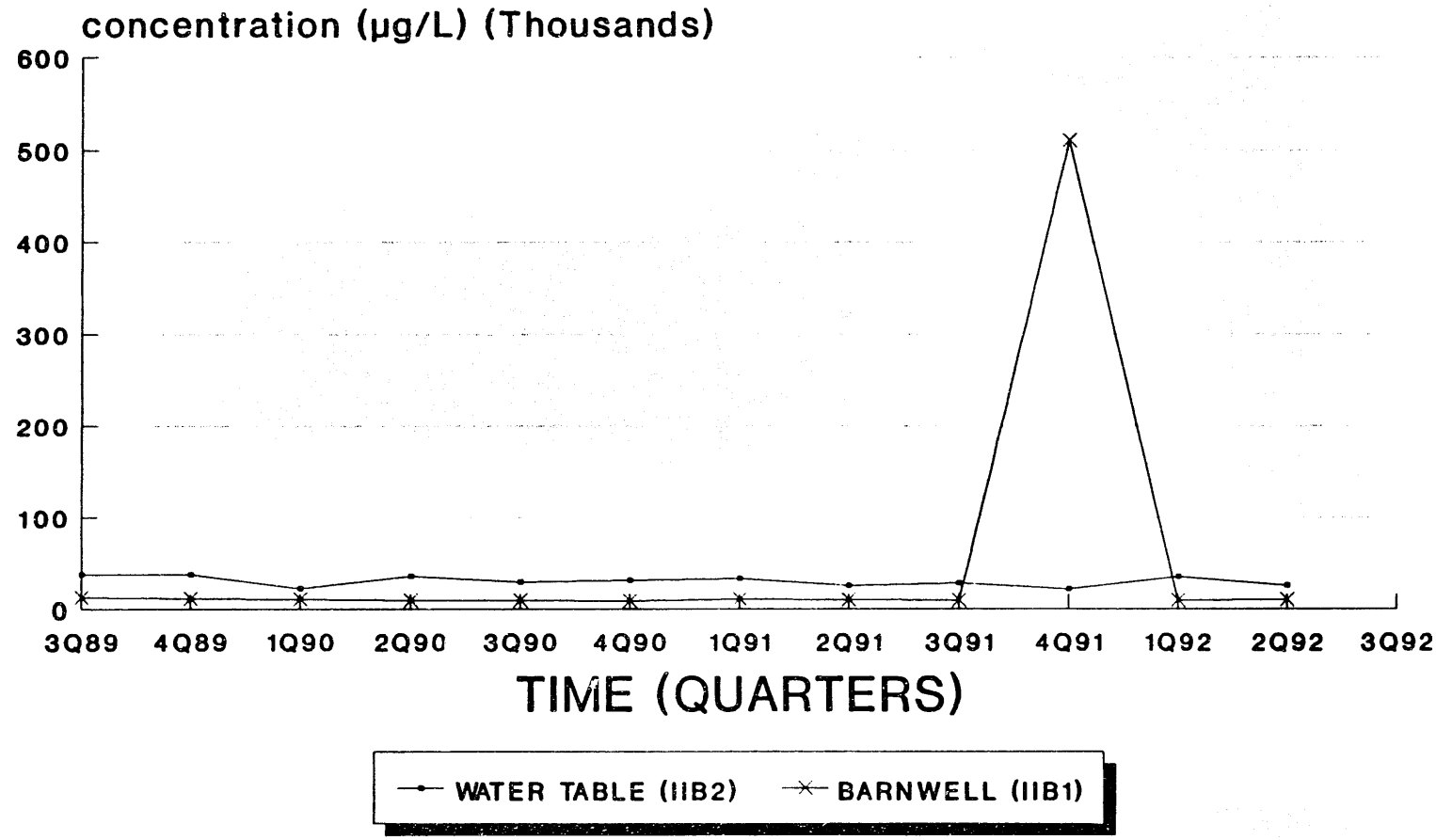
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB127

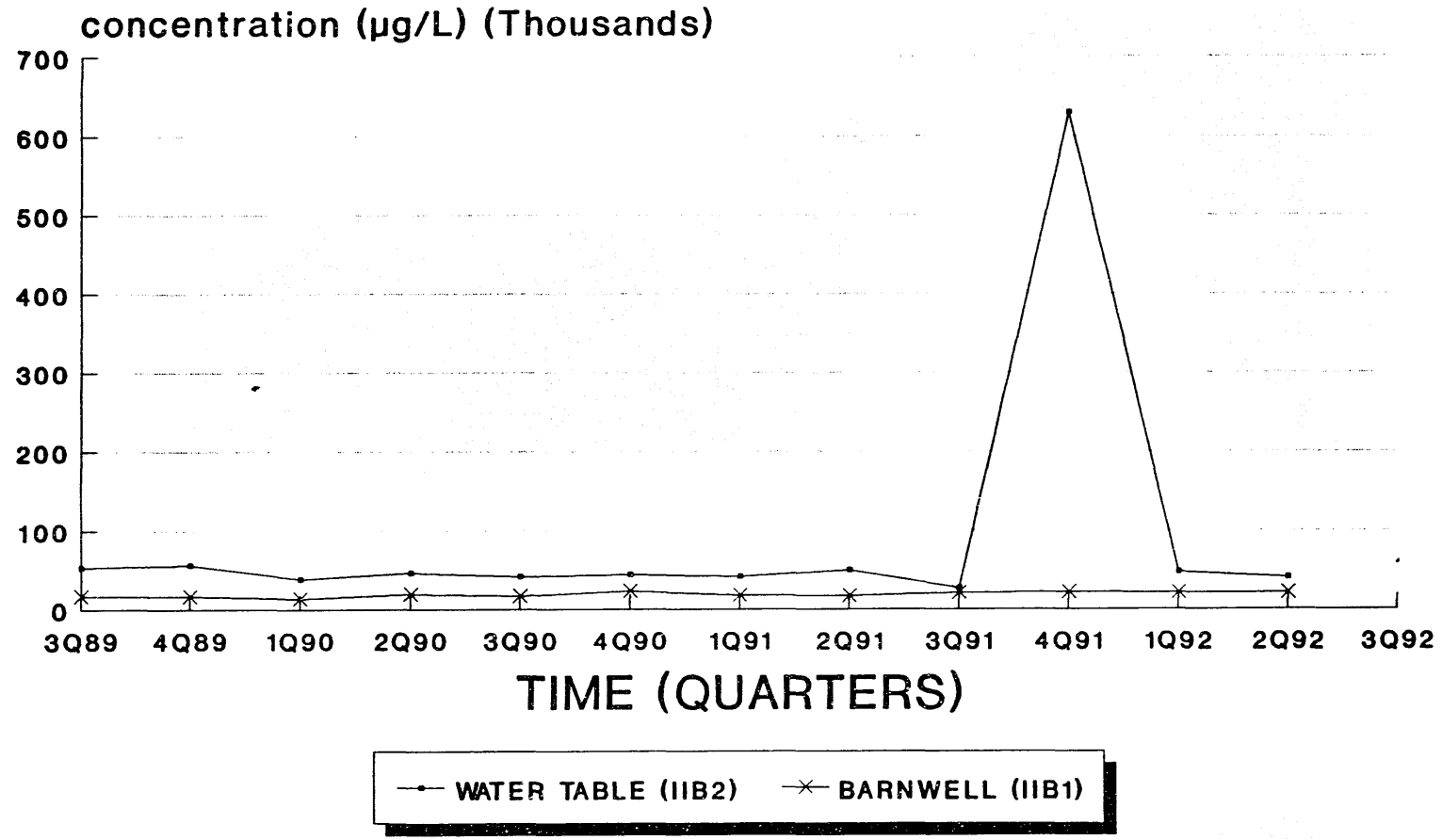
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB129

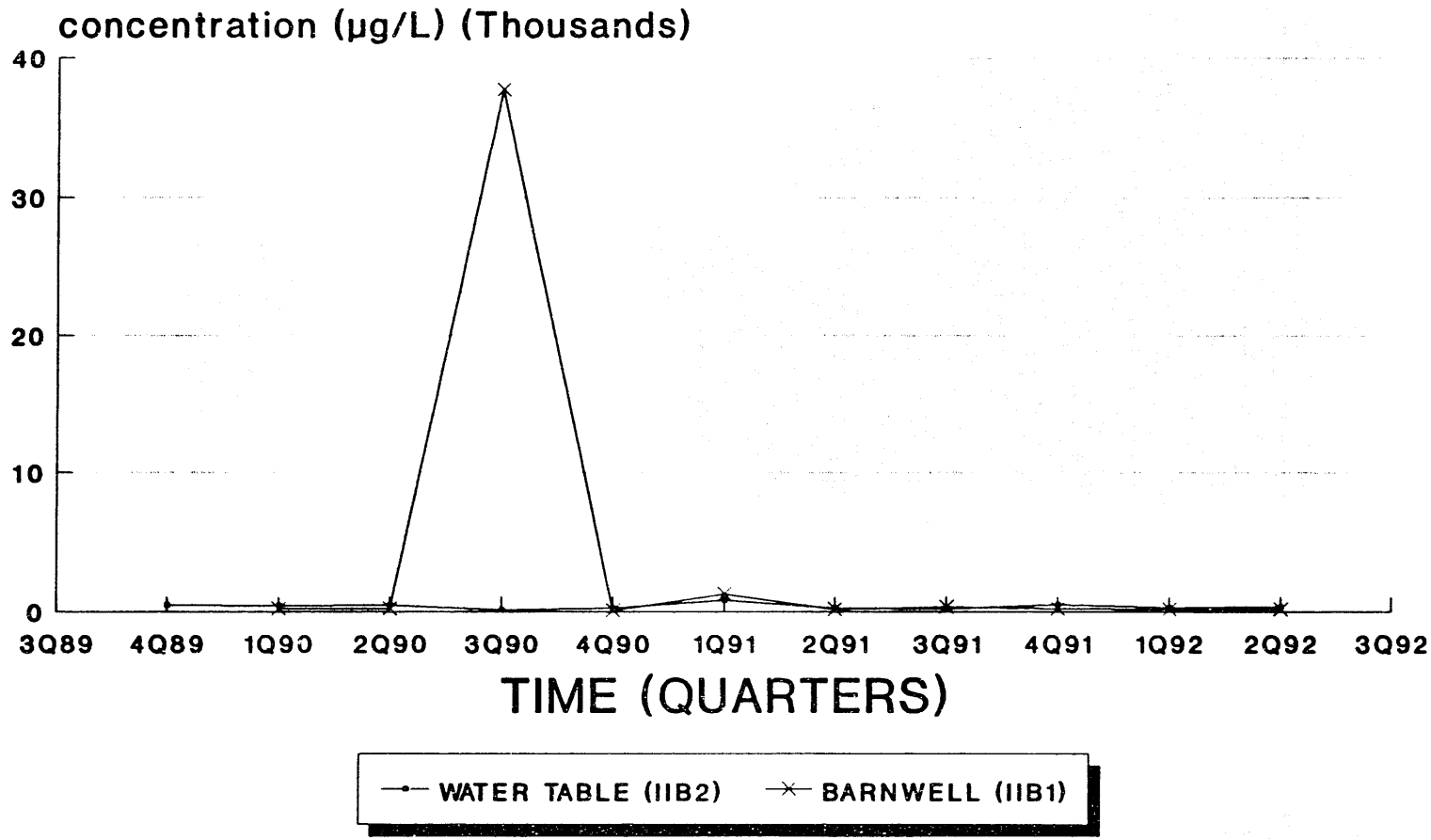
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB130

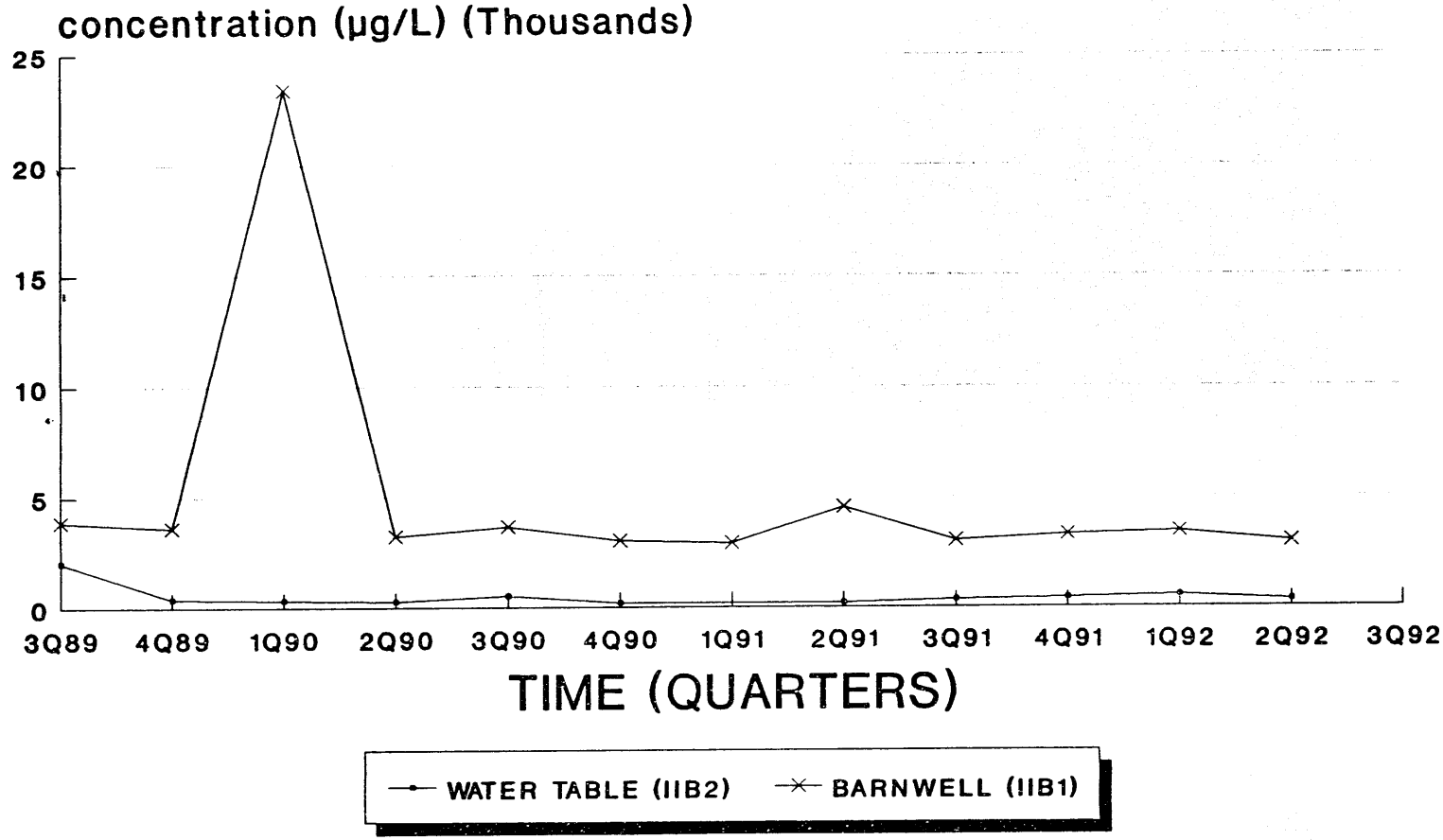
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB131

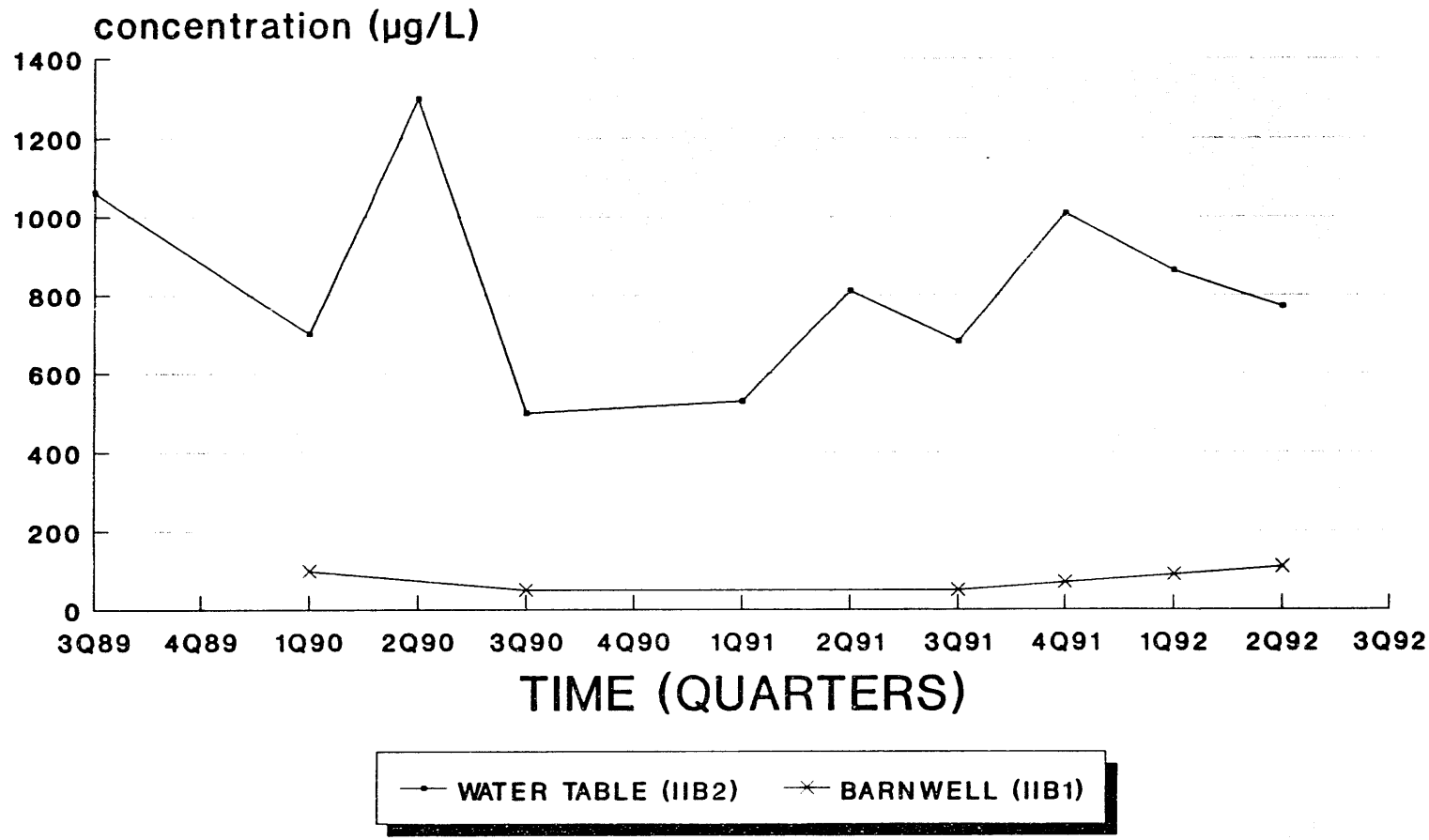
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB132

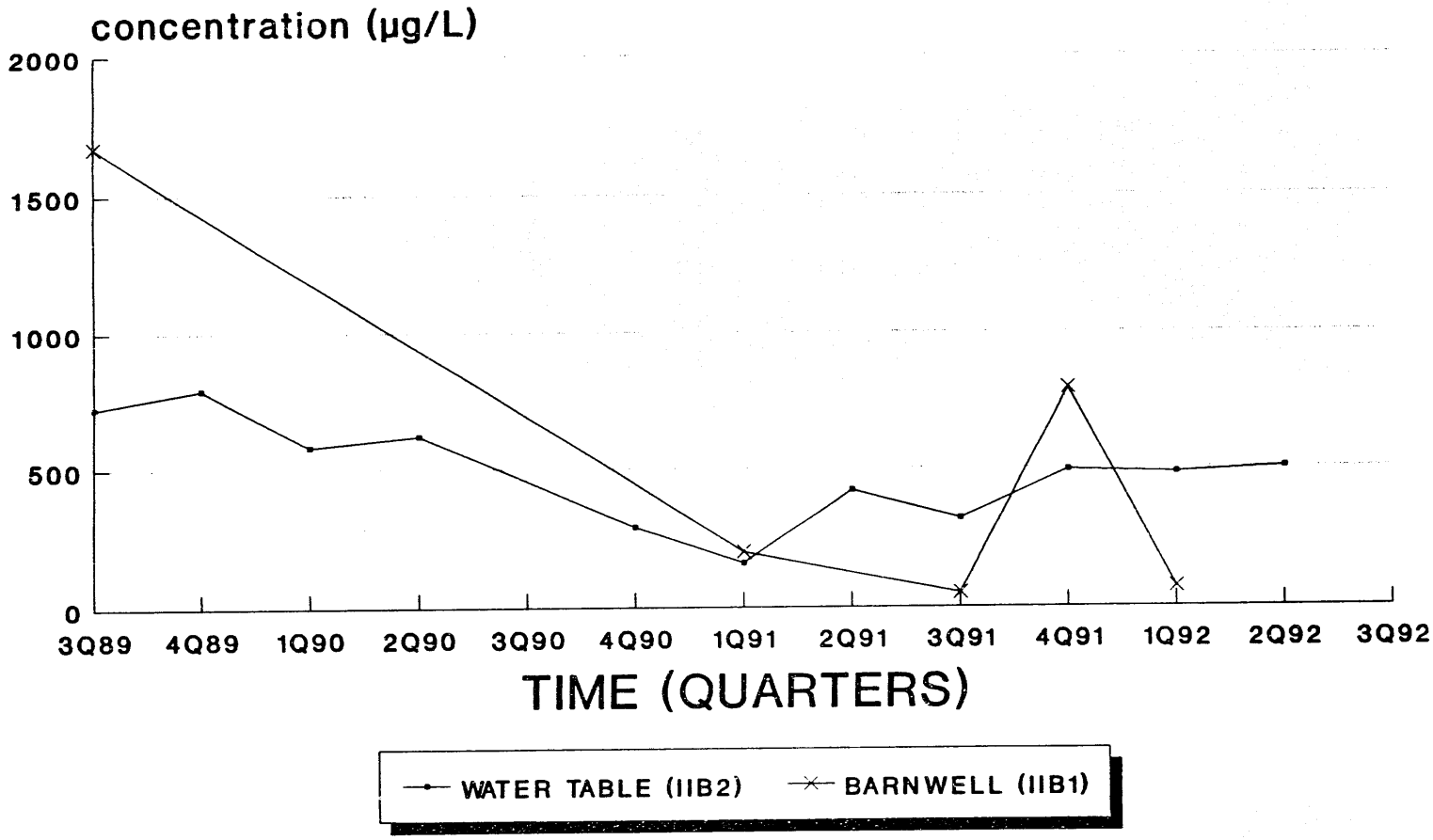
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB133

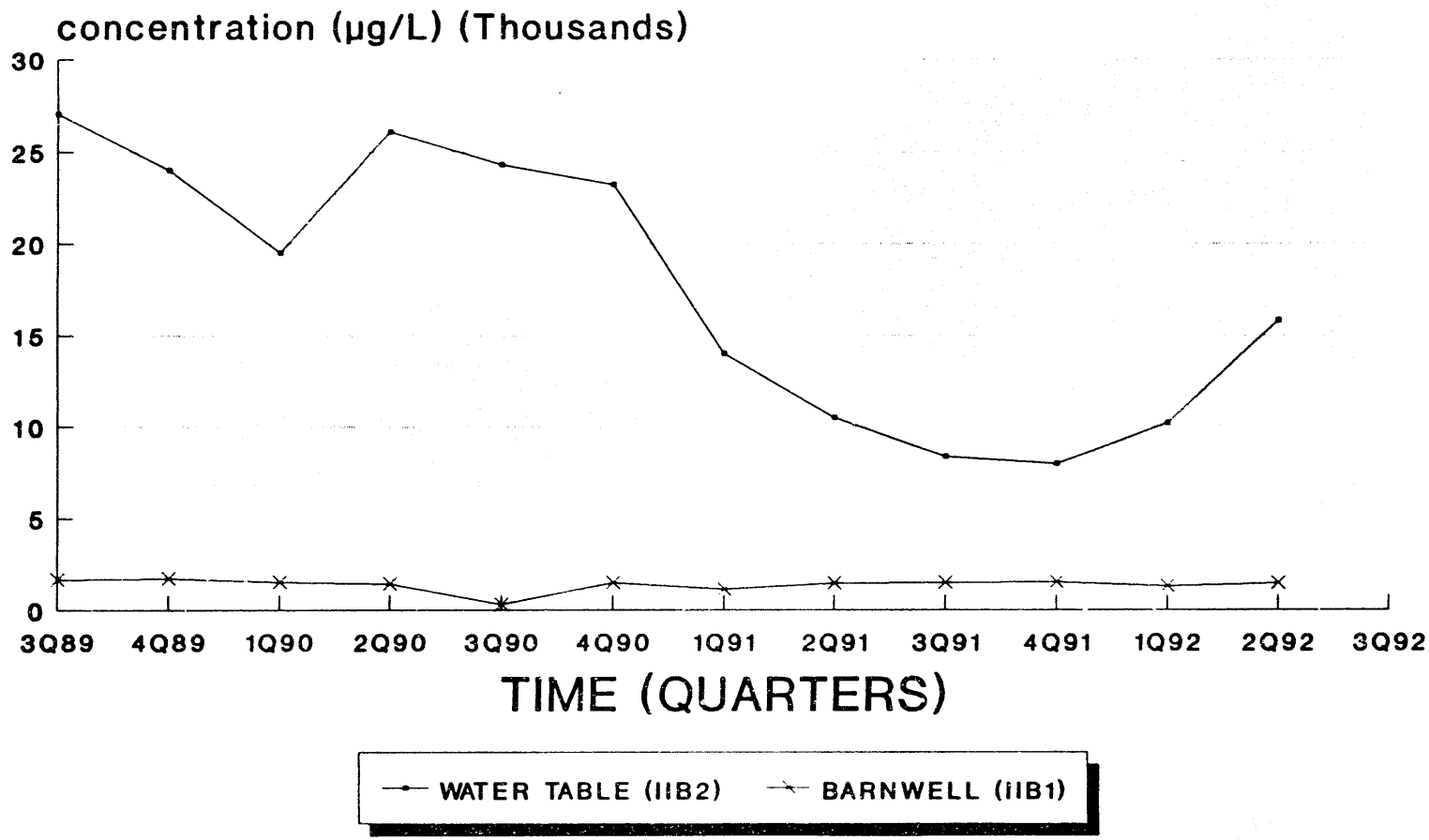
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB134

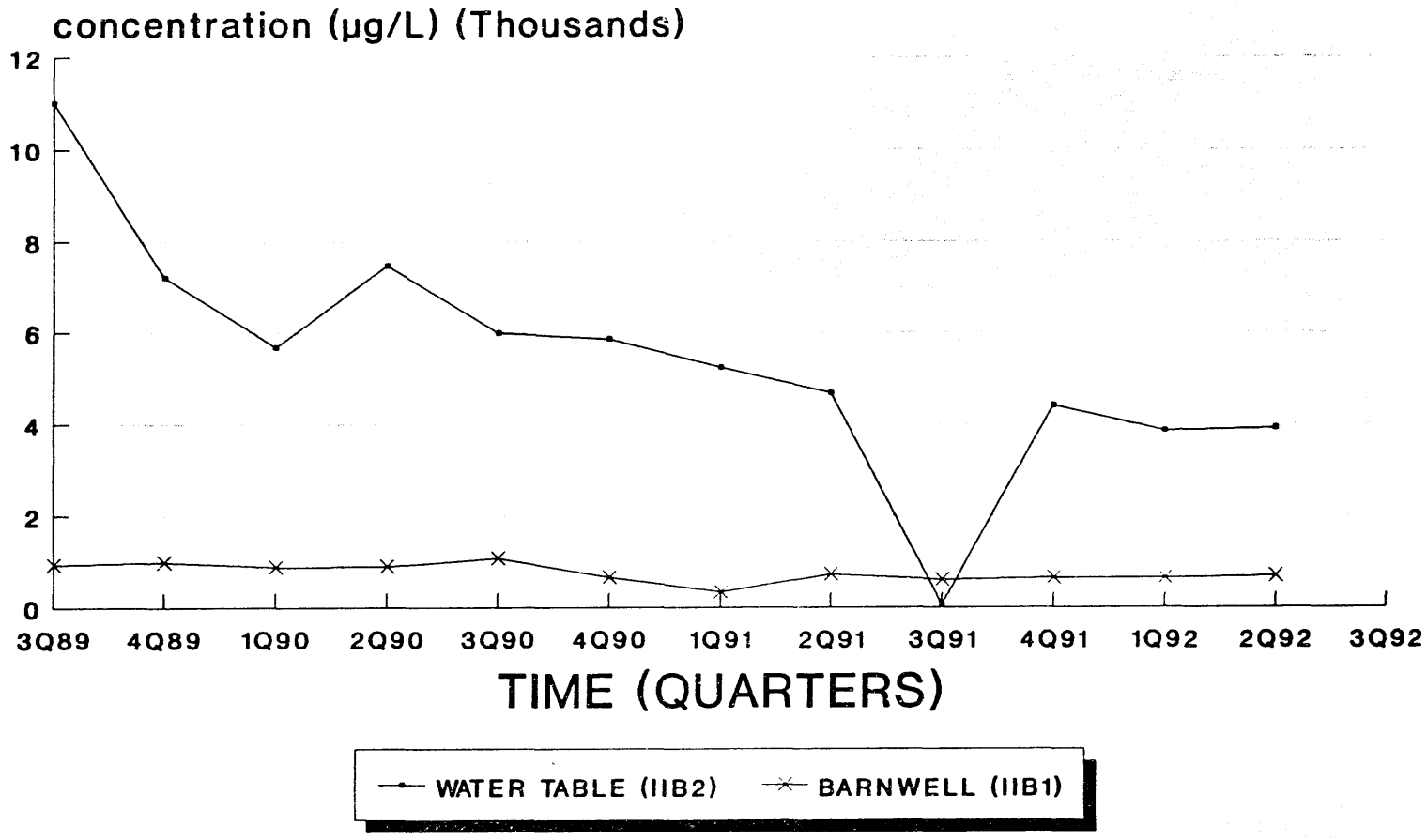
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB135

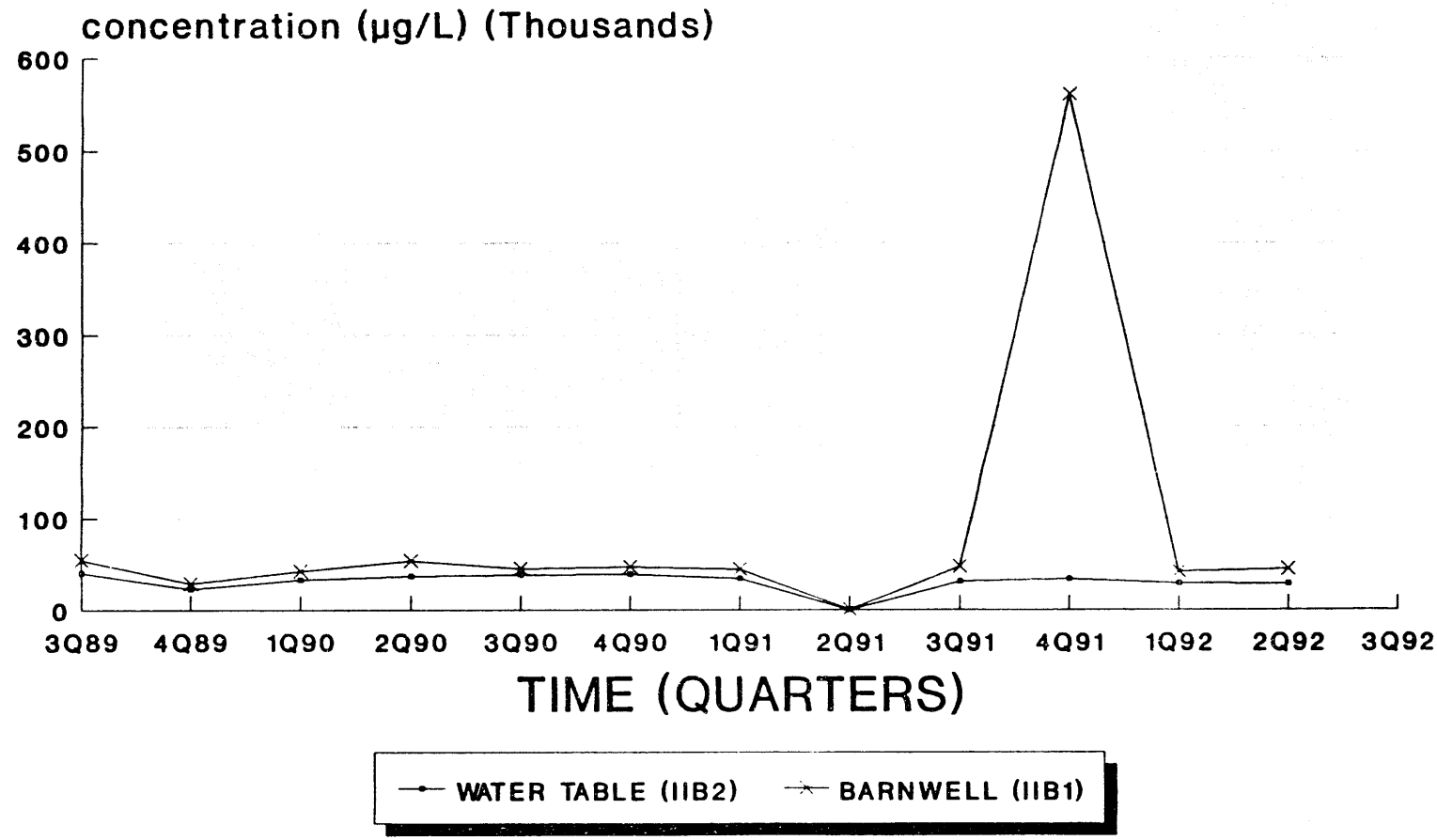
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB136

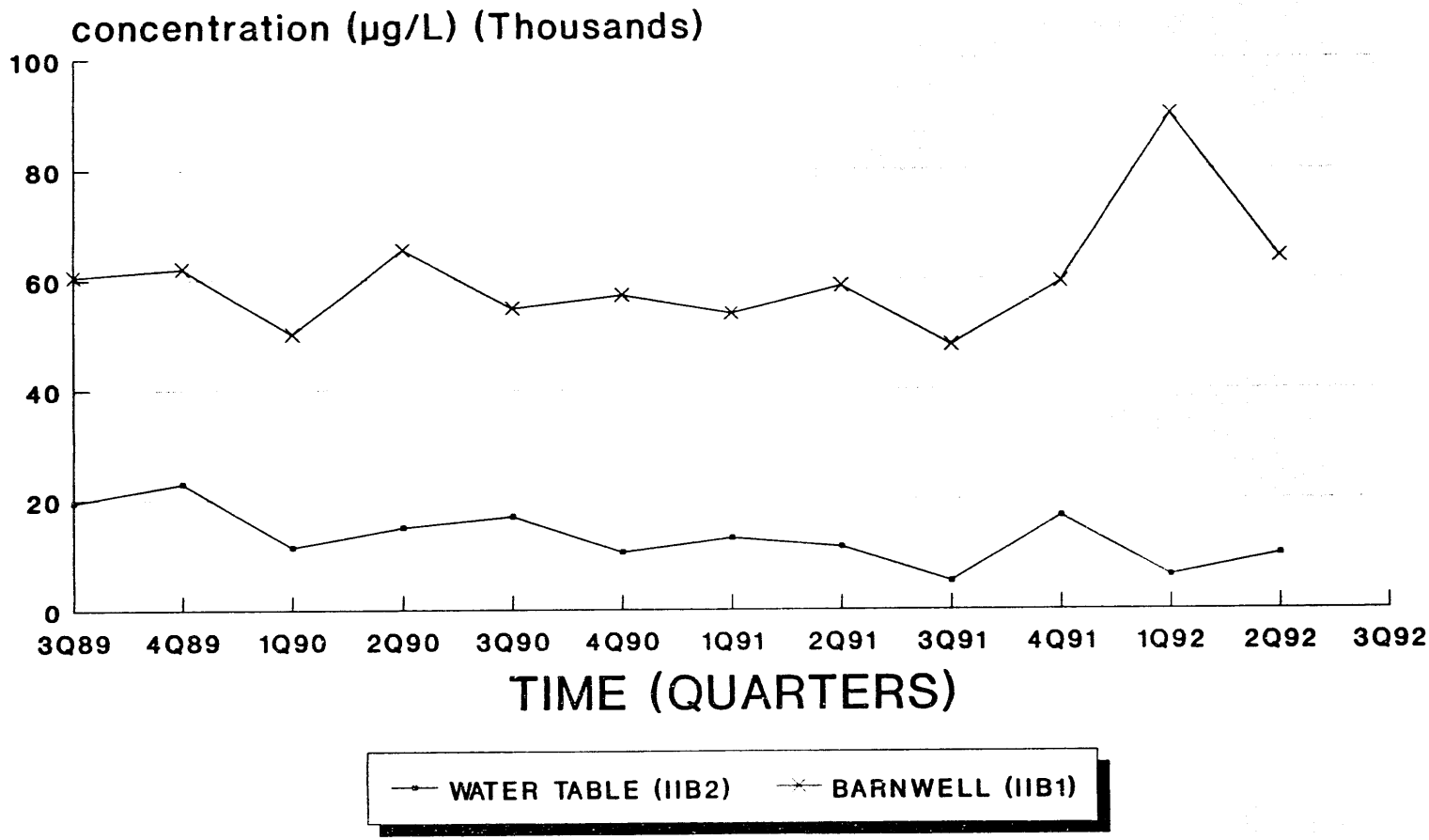
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

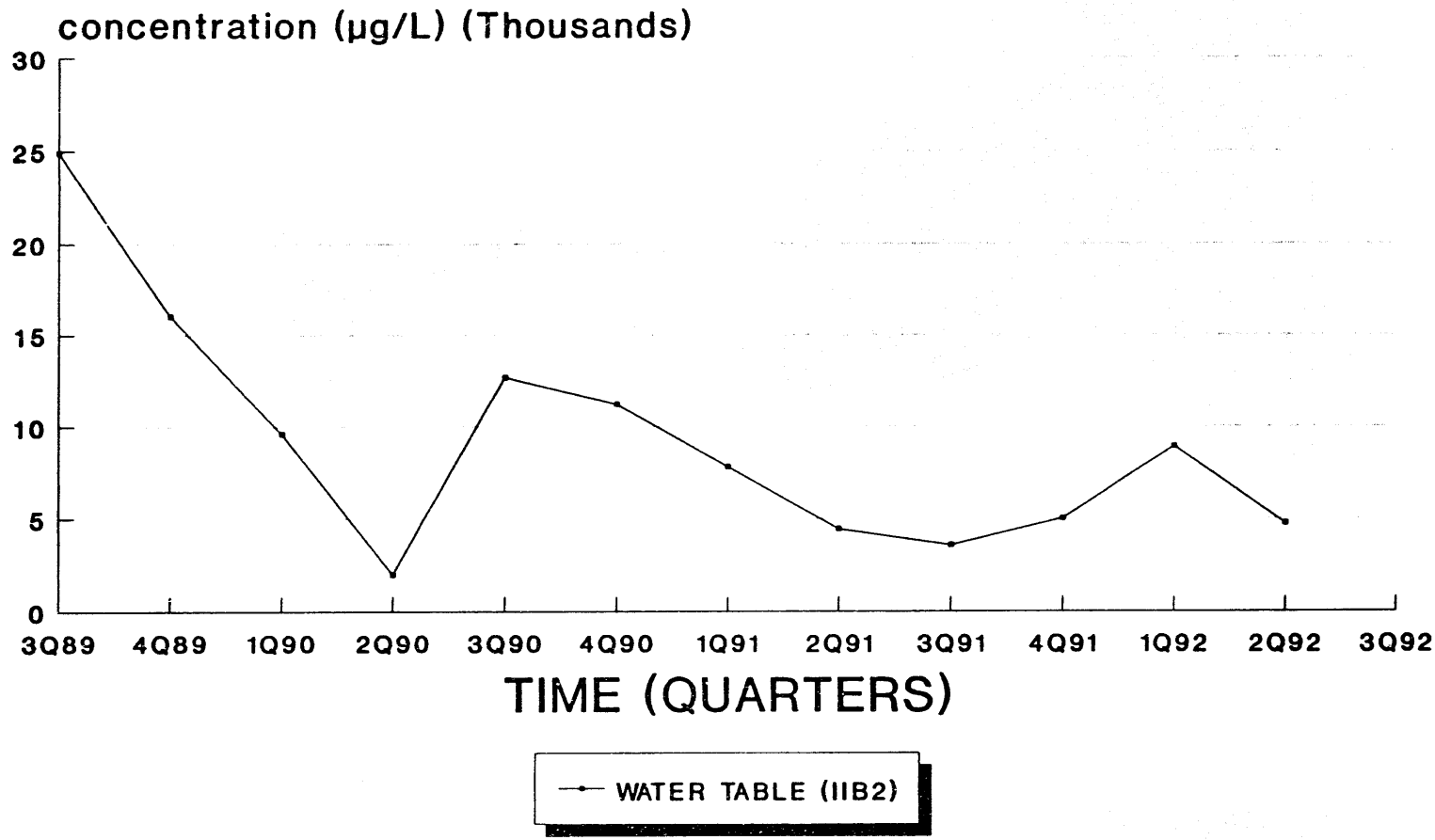
CLUSTER - HSB137

Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

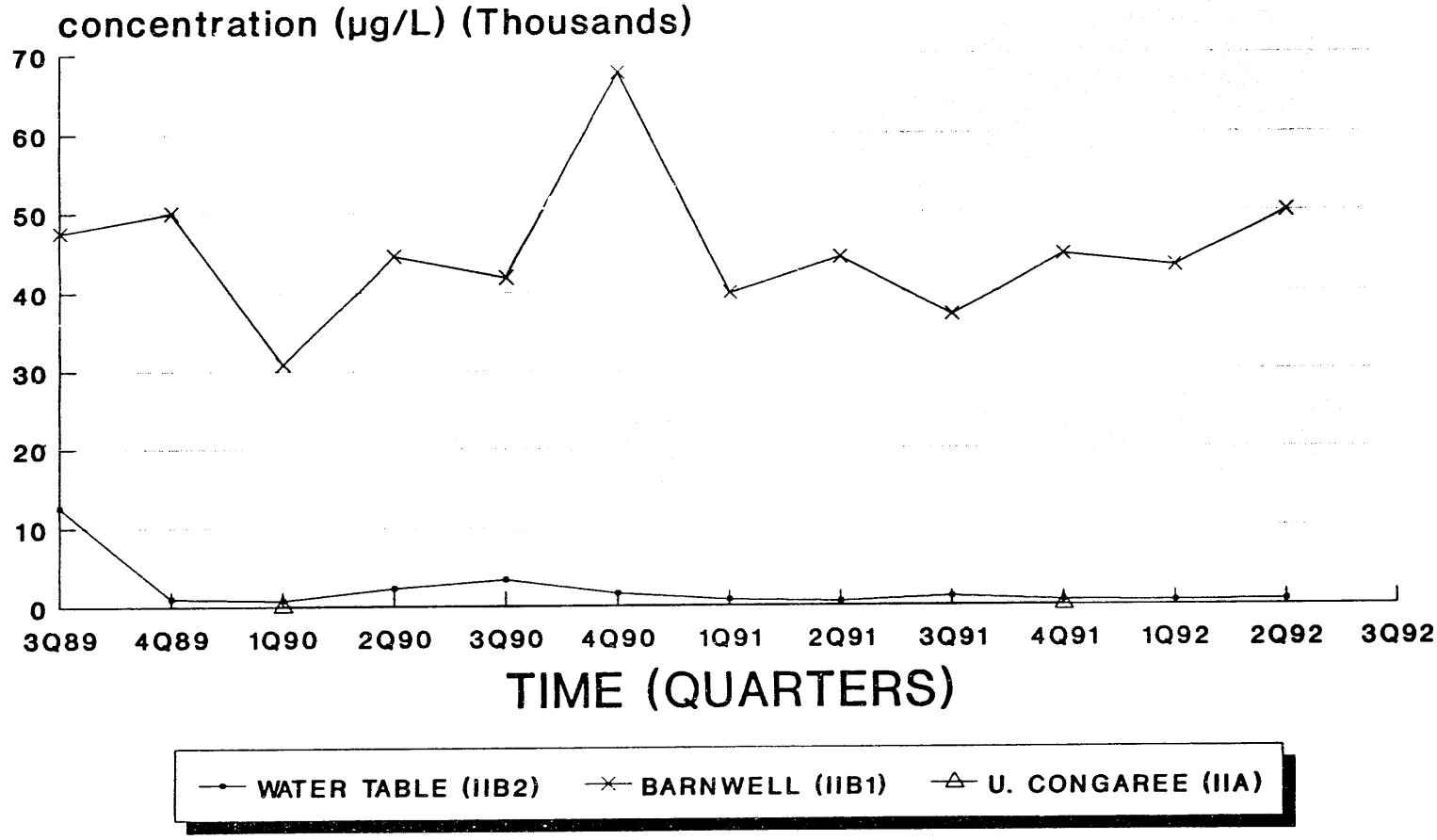
HSB138D
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB139

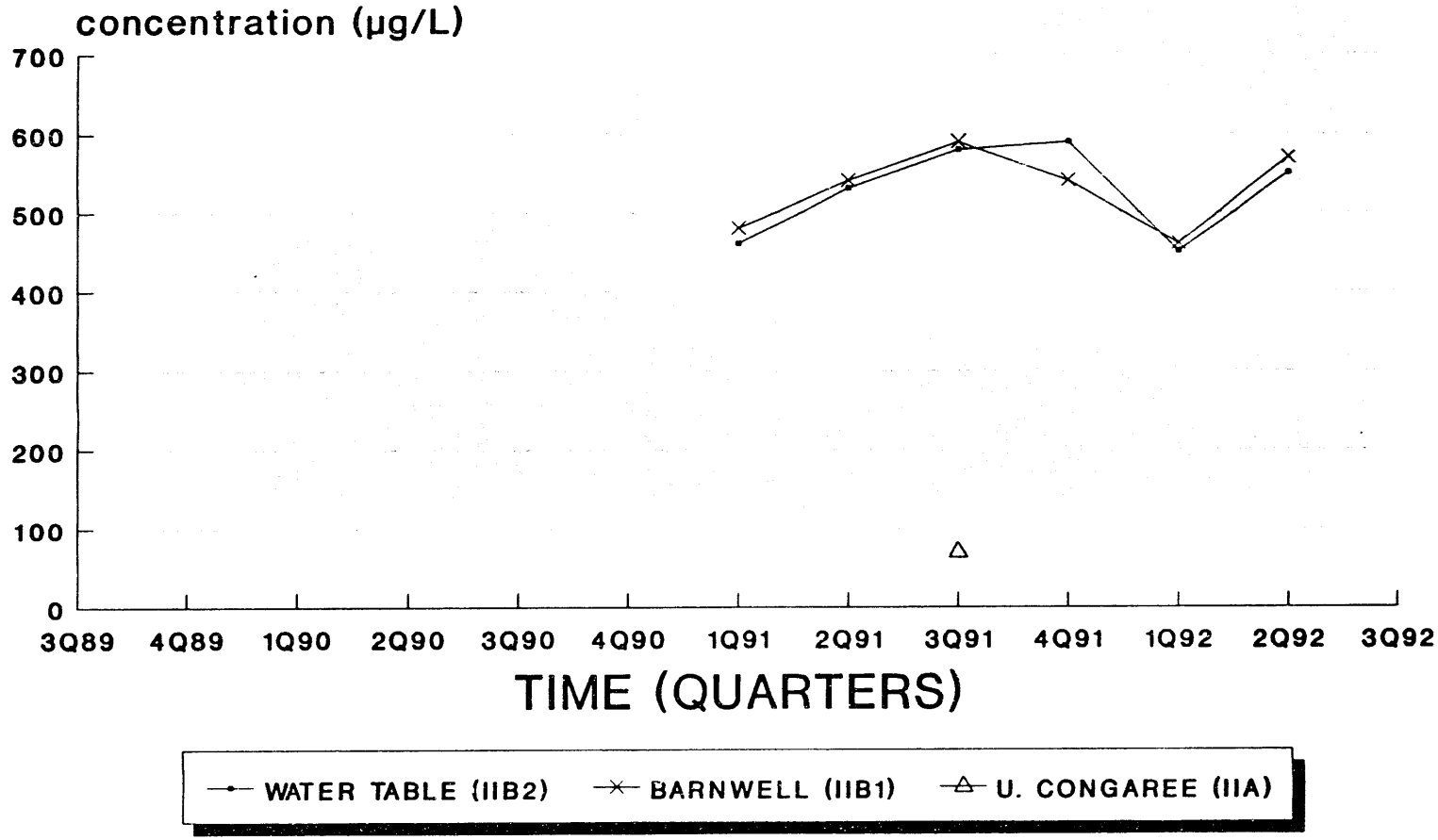
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB140

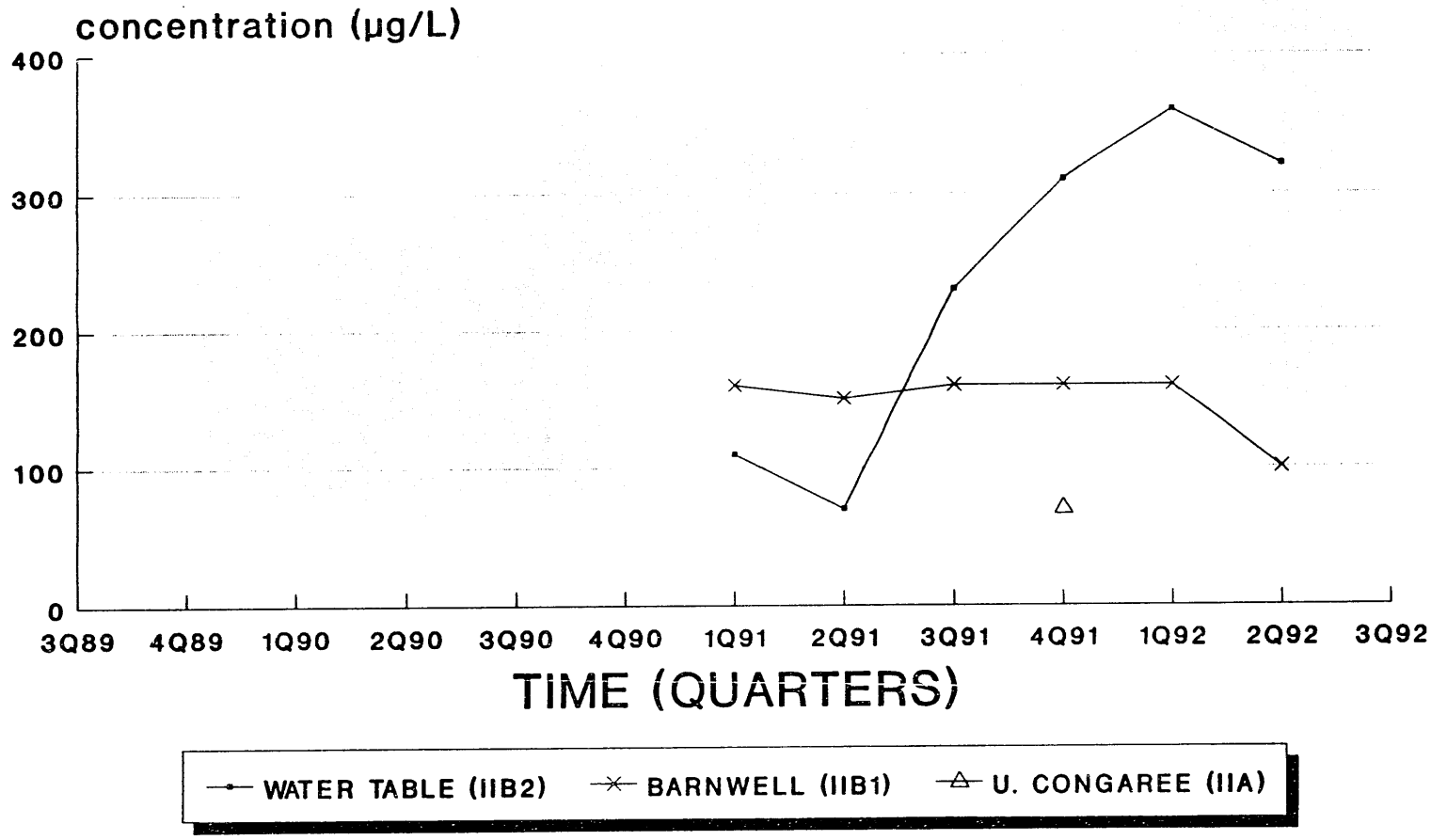
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB141

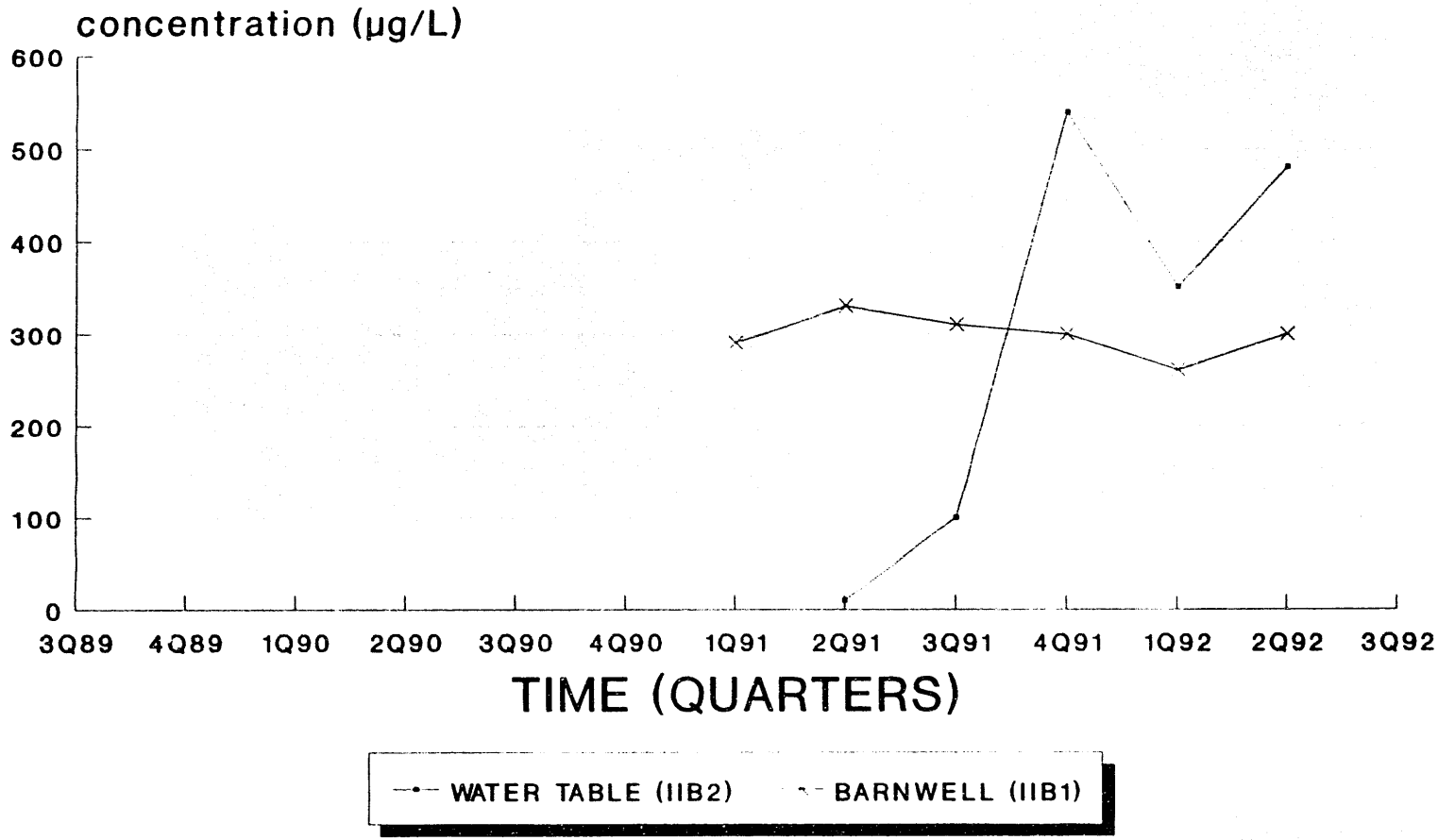
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB142

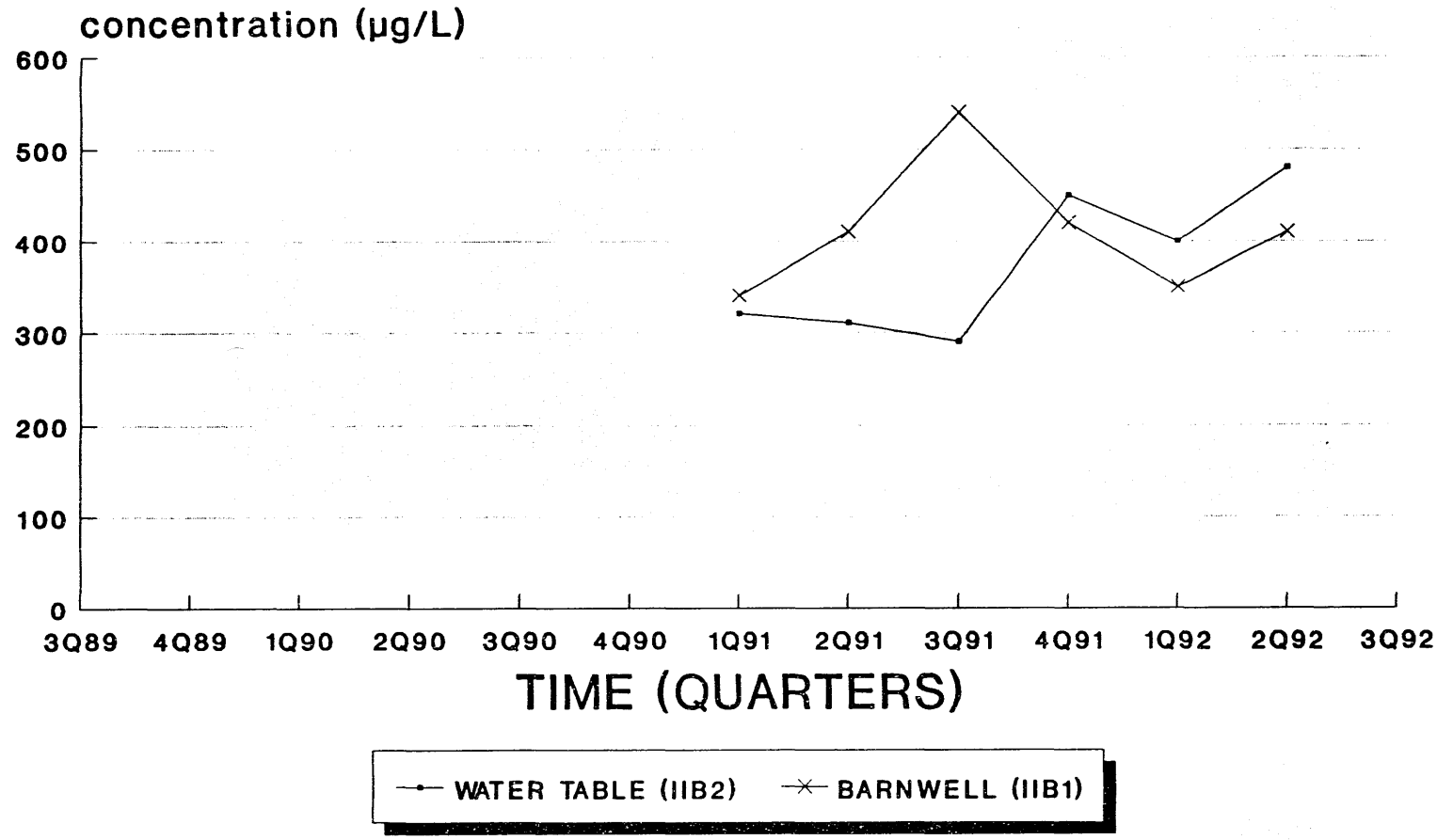
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB143

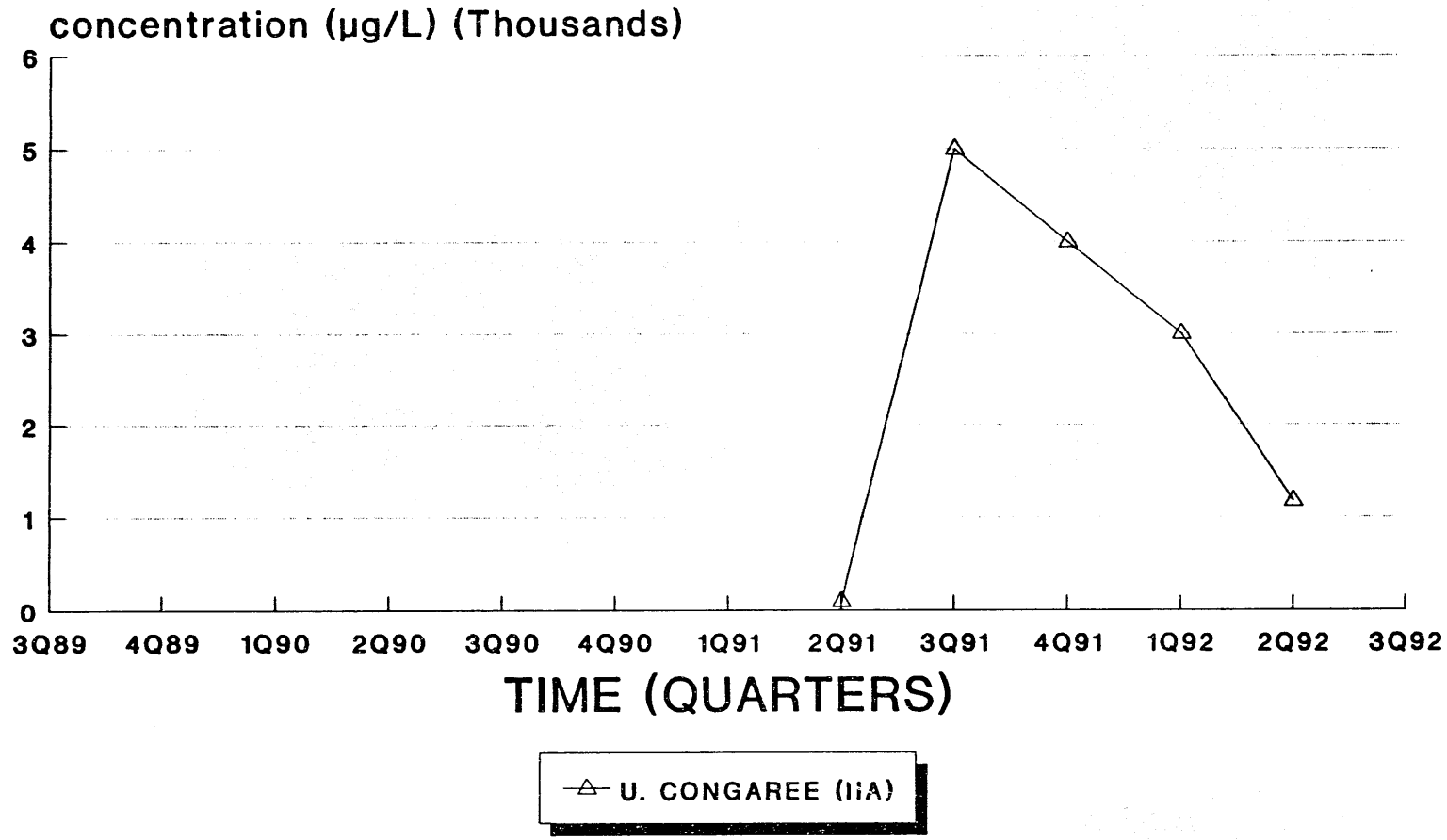
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB144A

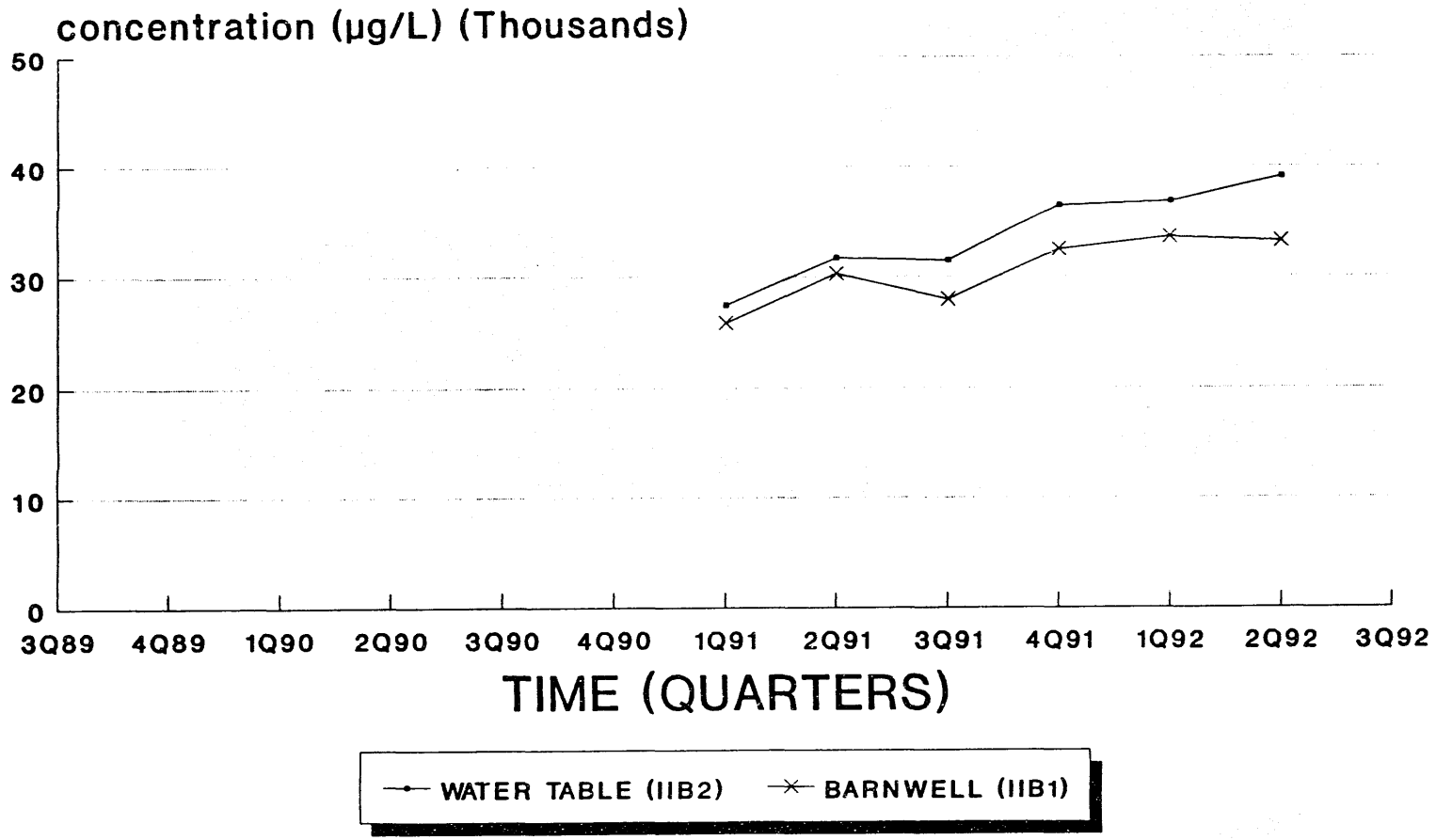
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB145

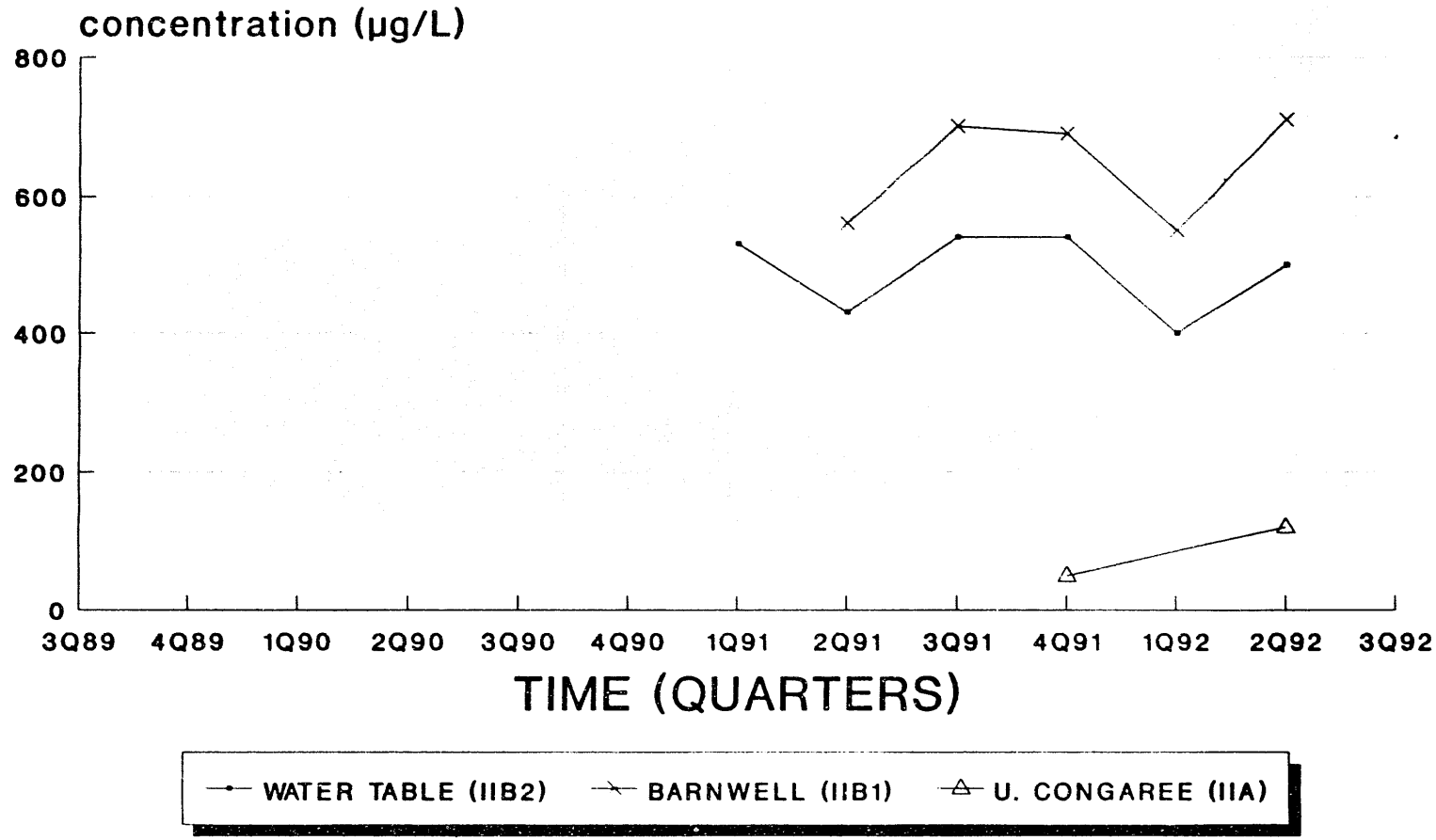
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB146

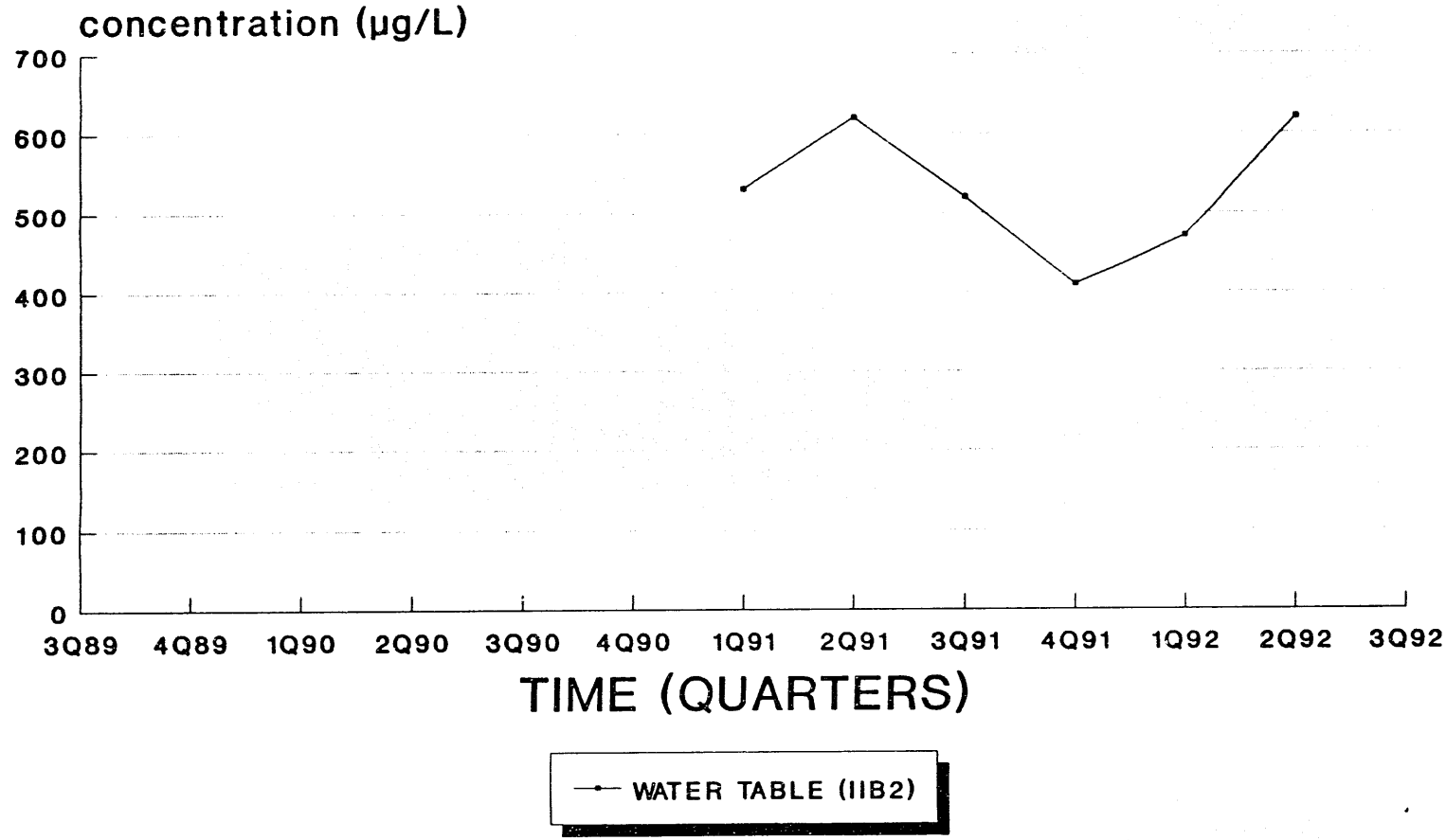
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB147D

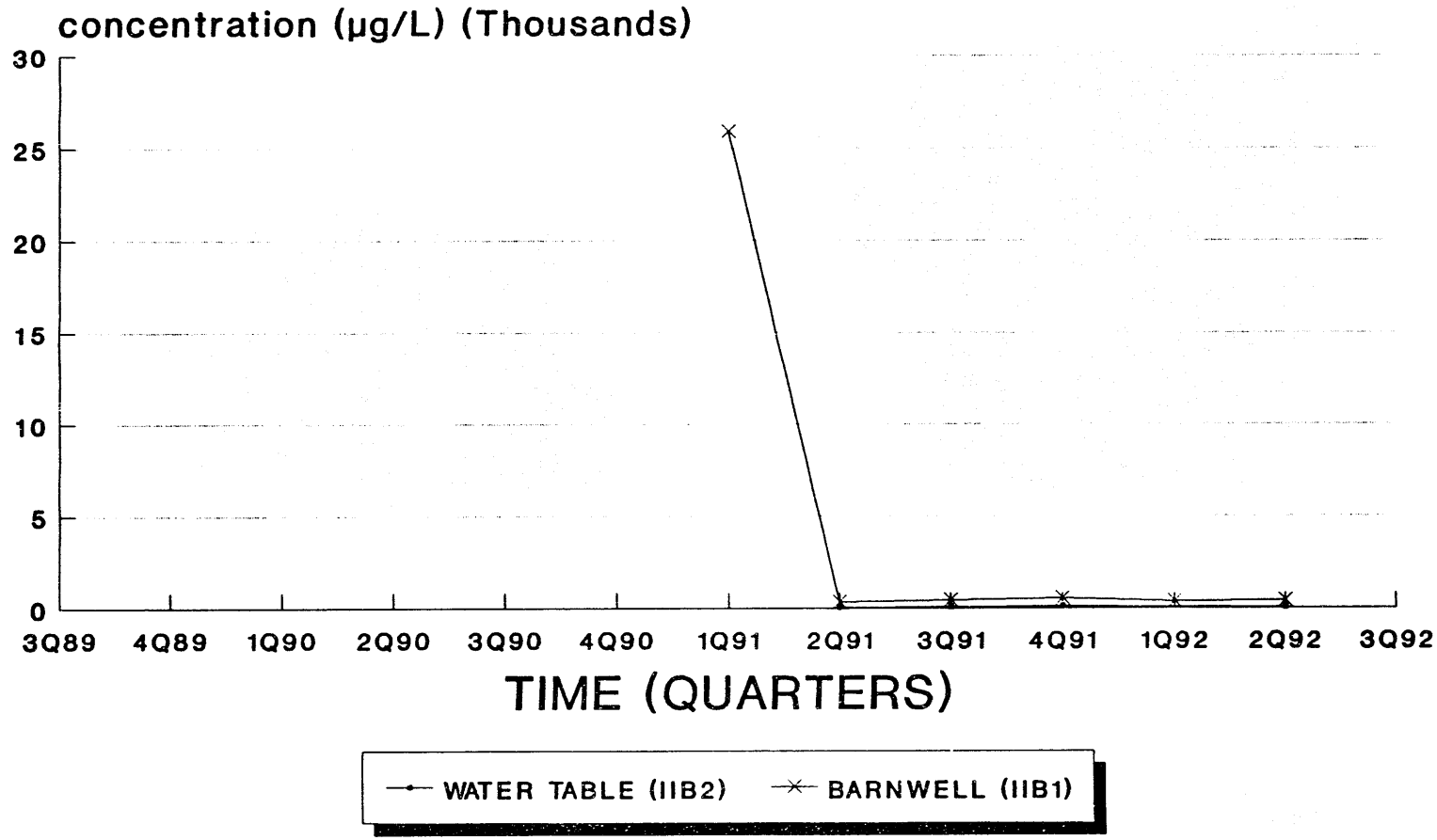
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB148

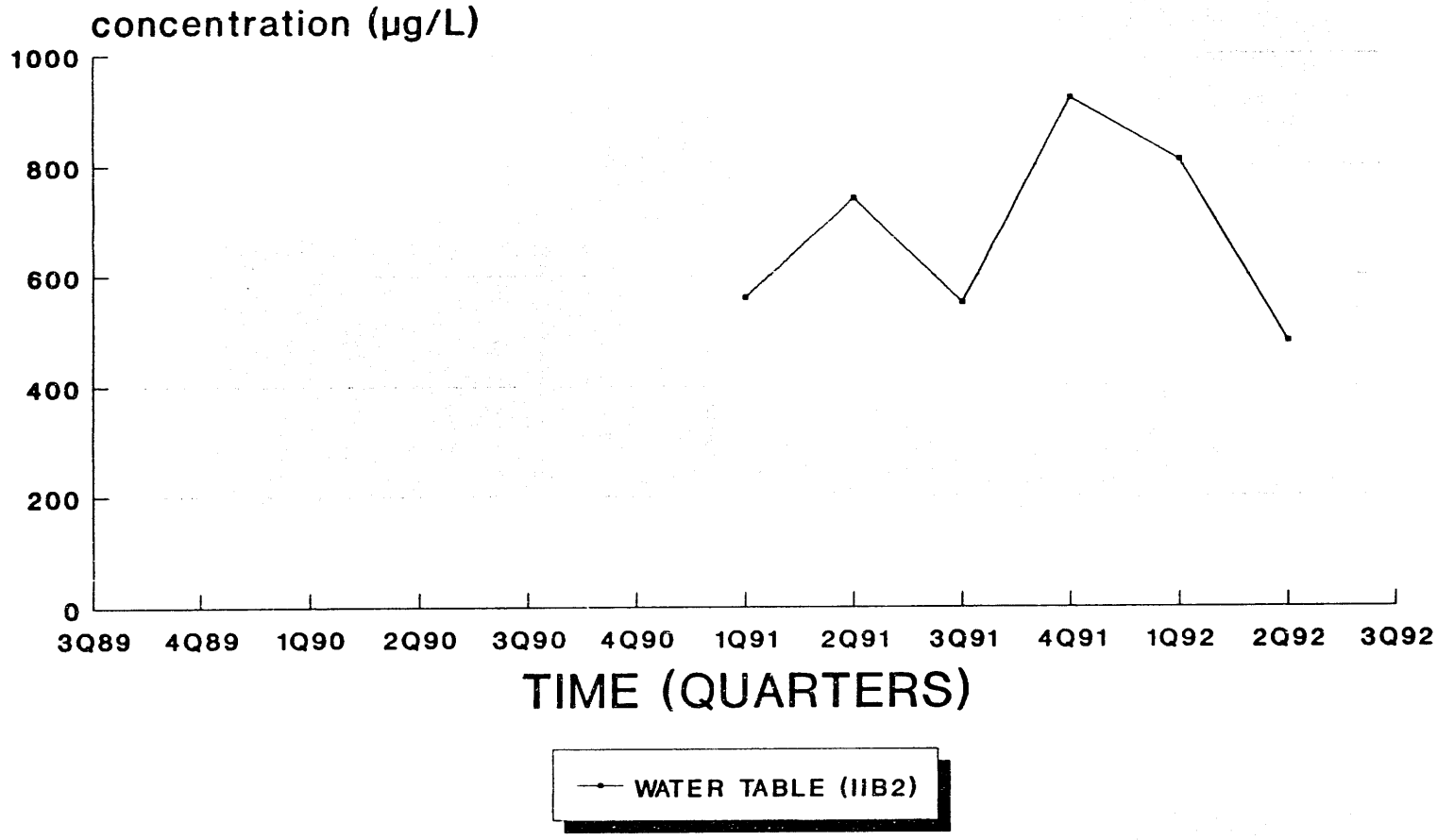
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB149D

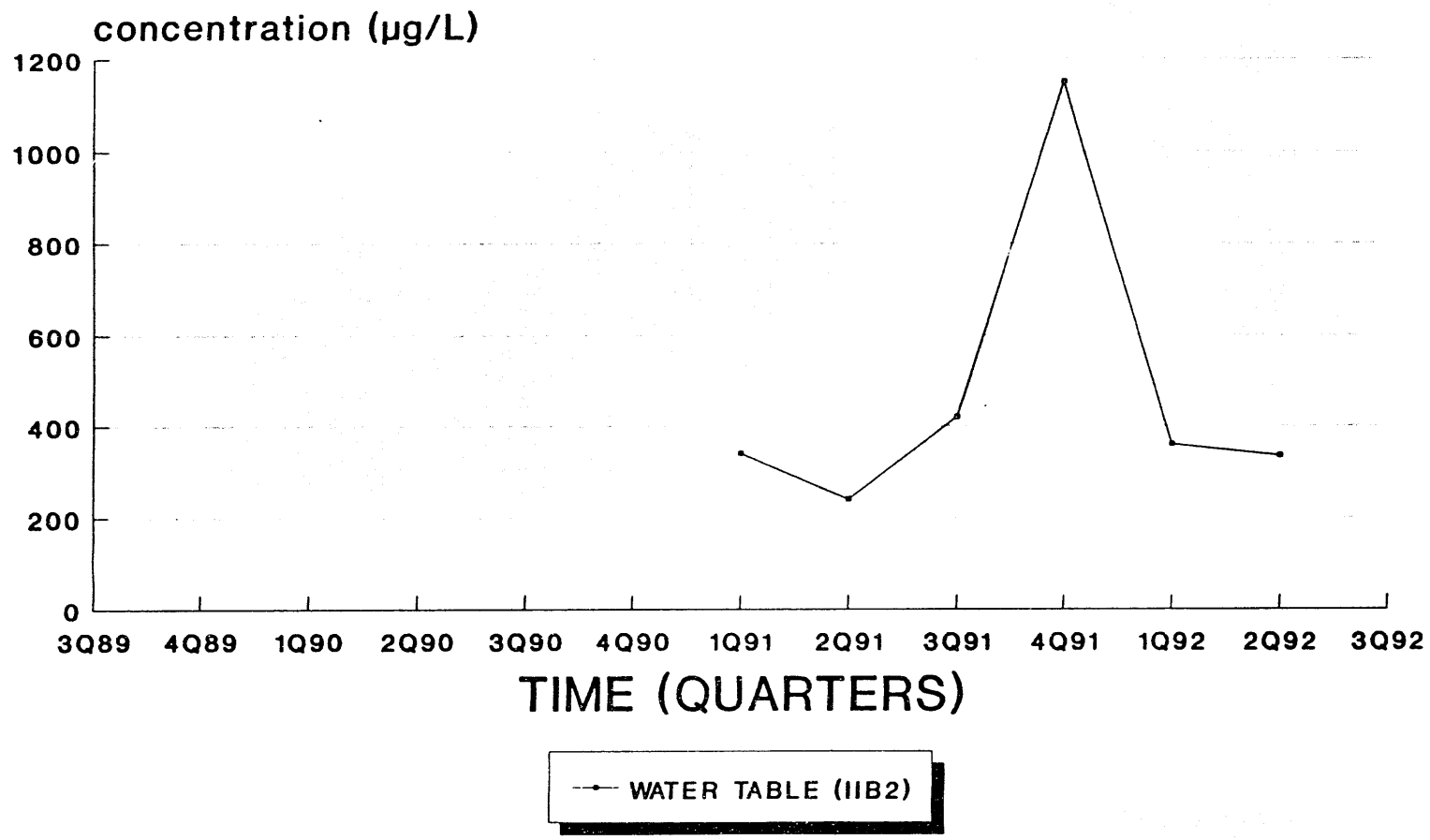
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB150D

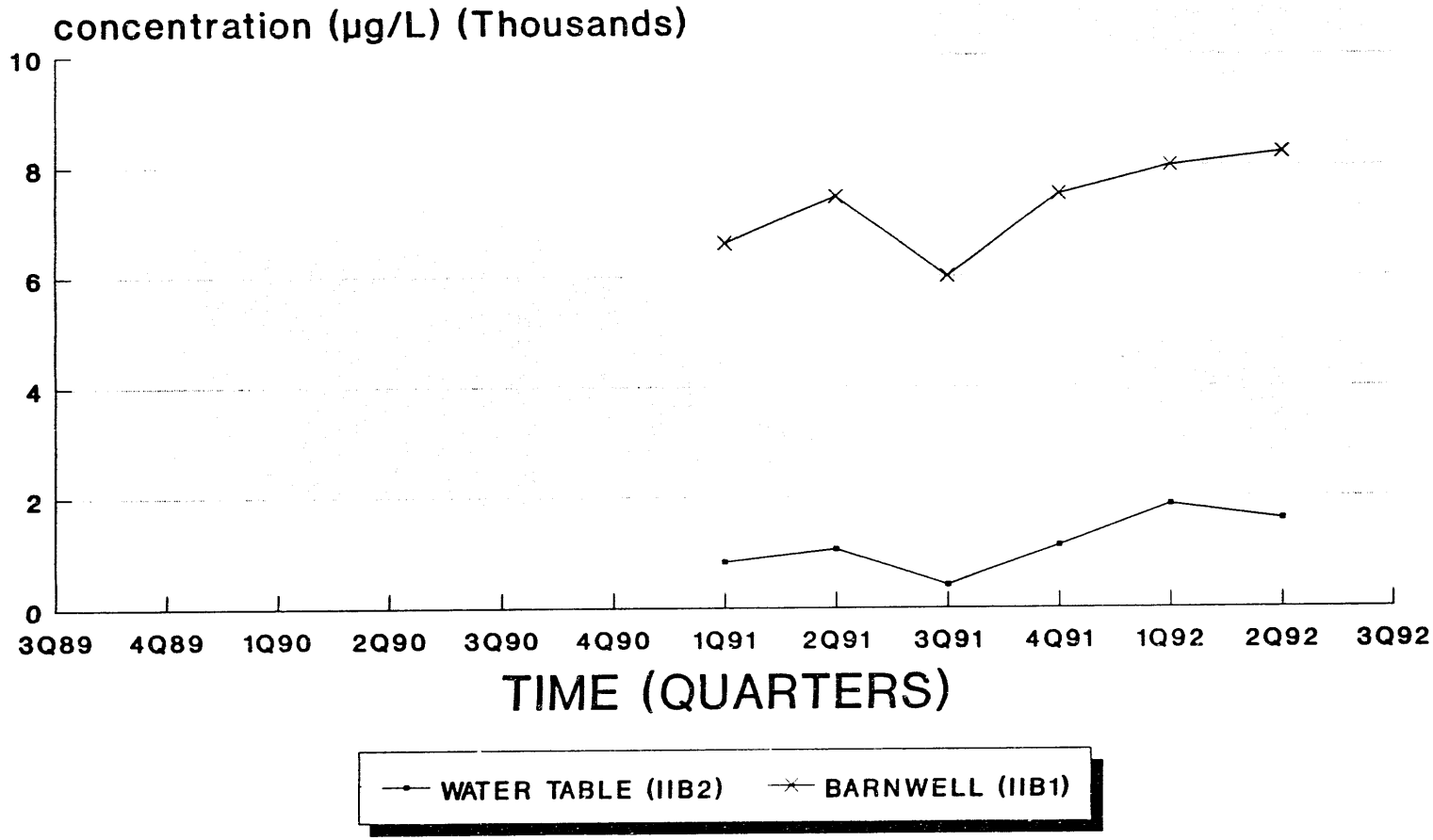
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

CLUSTER - HSB151

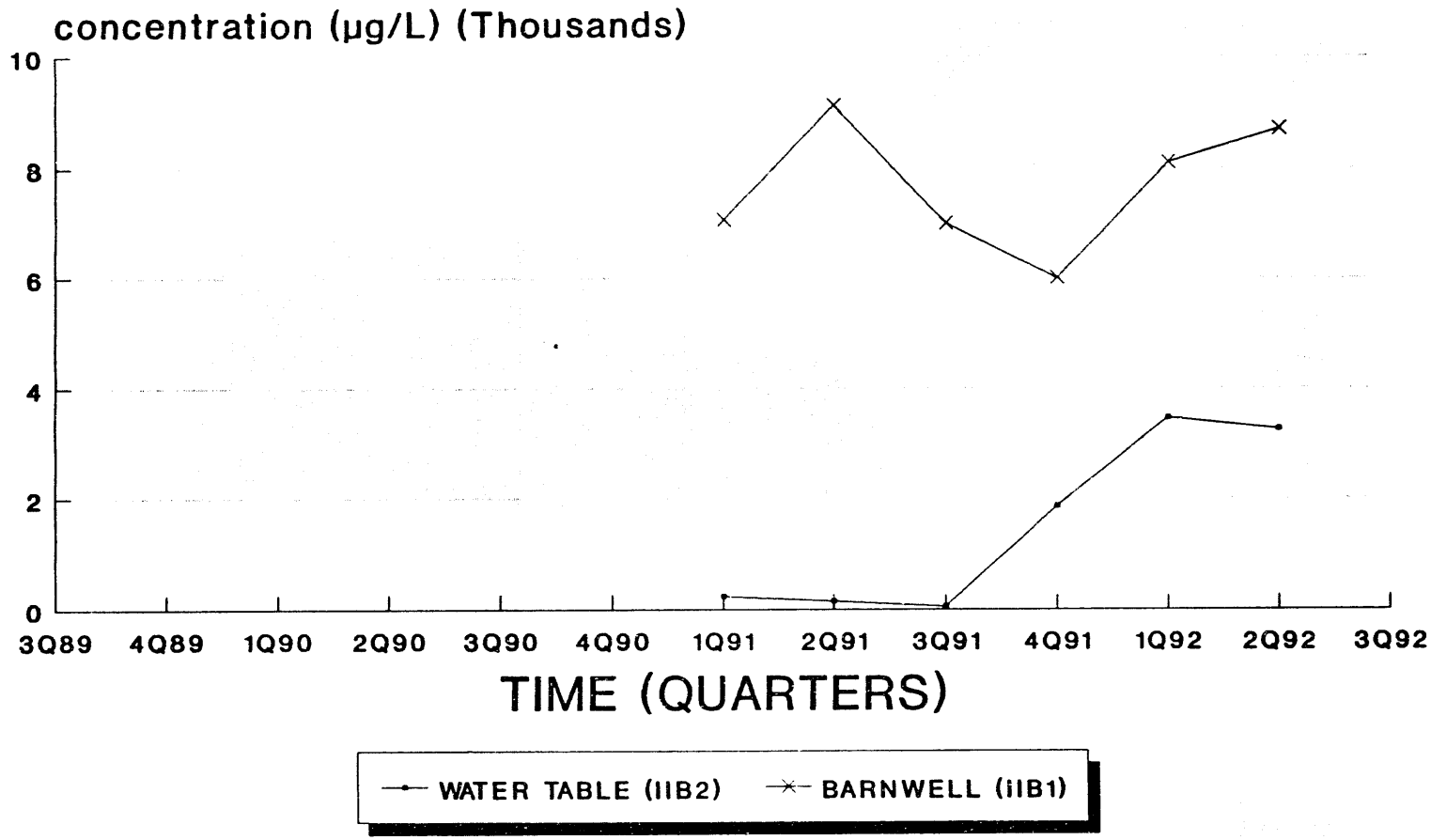
Nitrate



PDWS 10,000 µg/L
empty space denotes no data or dry well

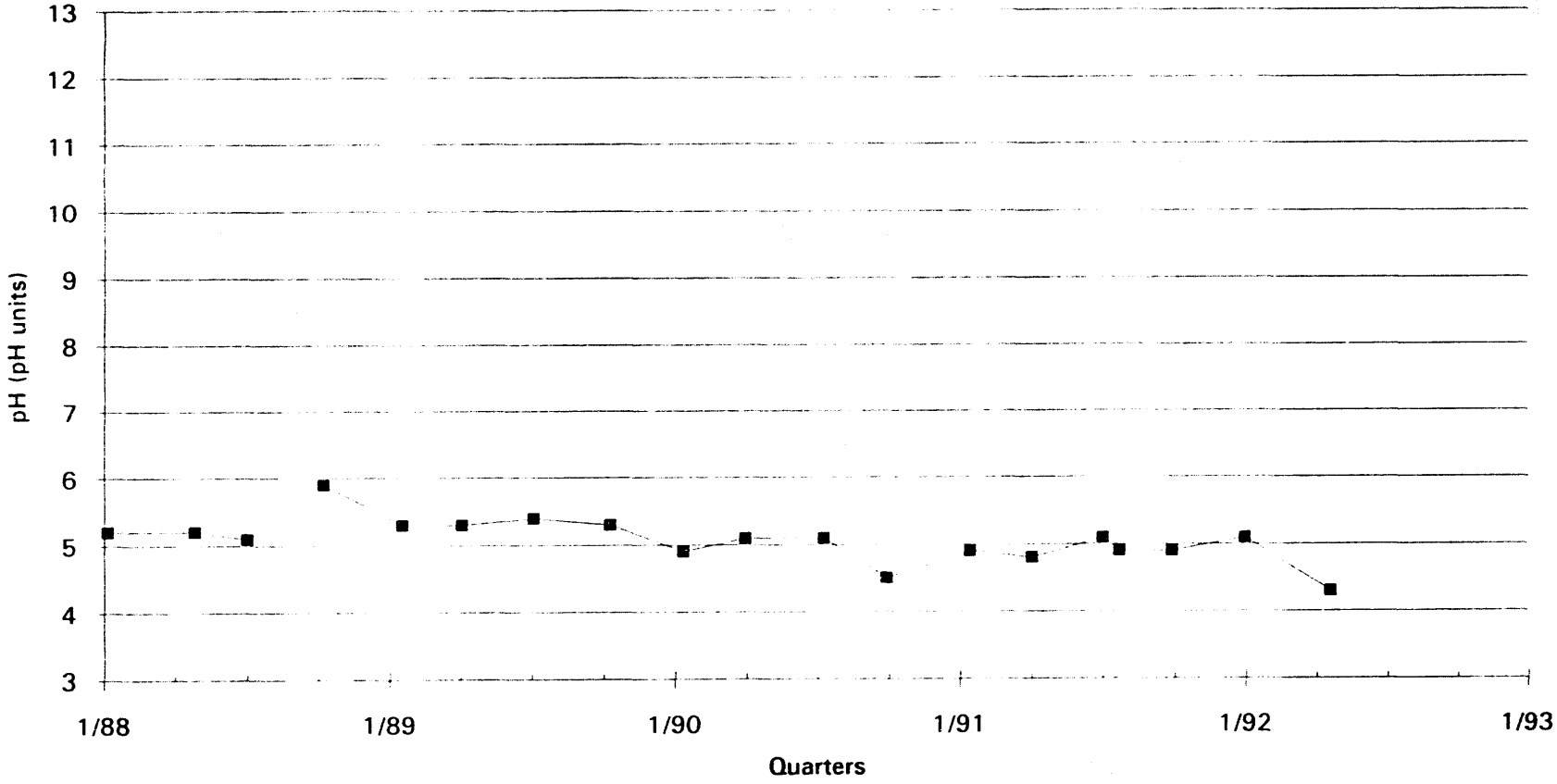
CLUSTER - HSB152

Nitrate



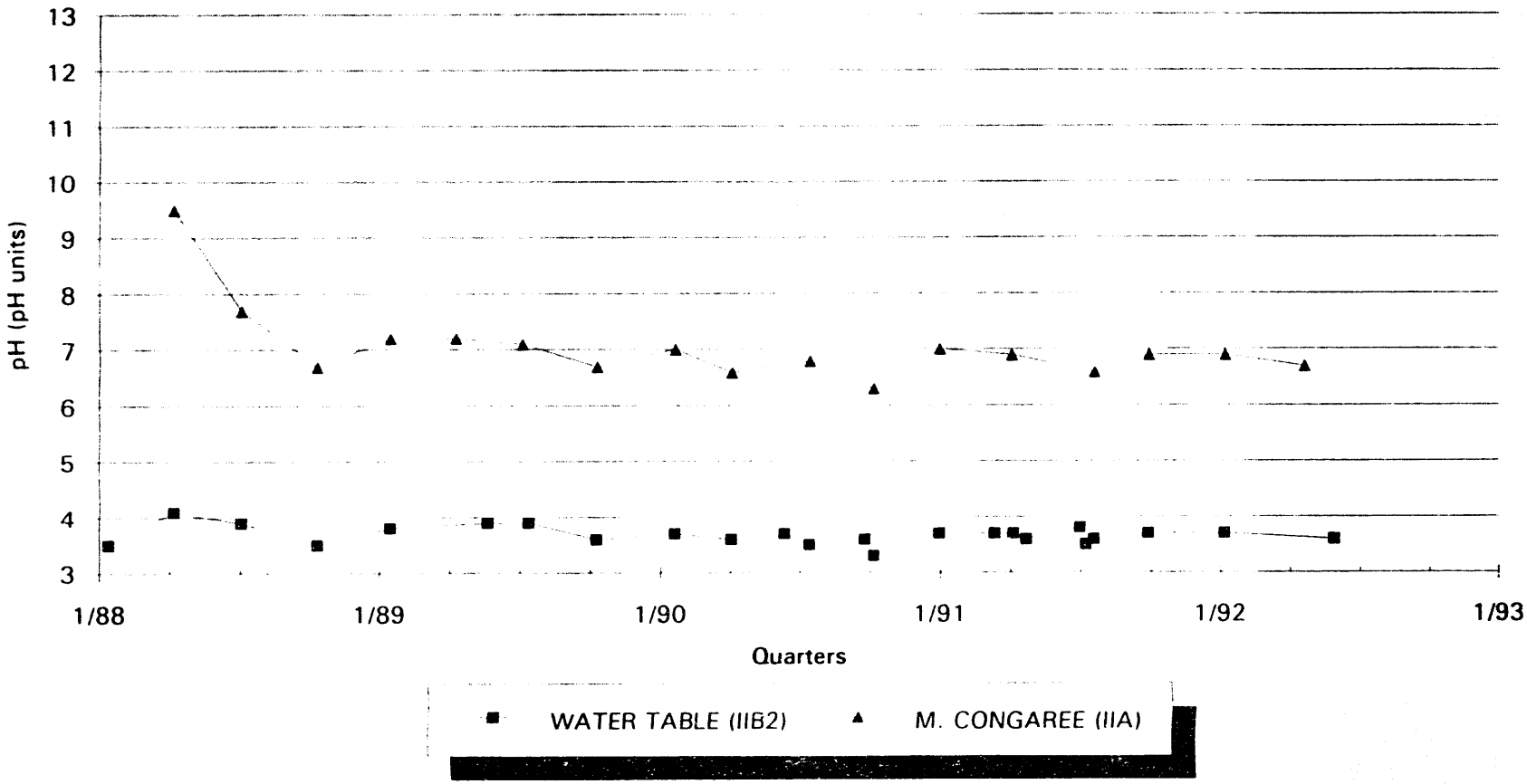
PDWS 10,000 µg/L
empty space denotes no data or dry well

HSB 66 (WATER TABLE, IIB2)
pH



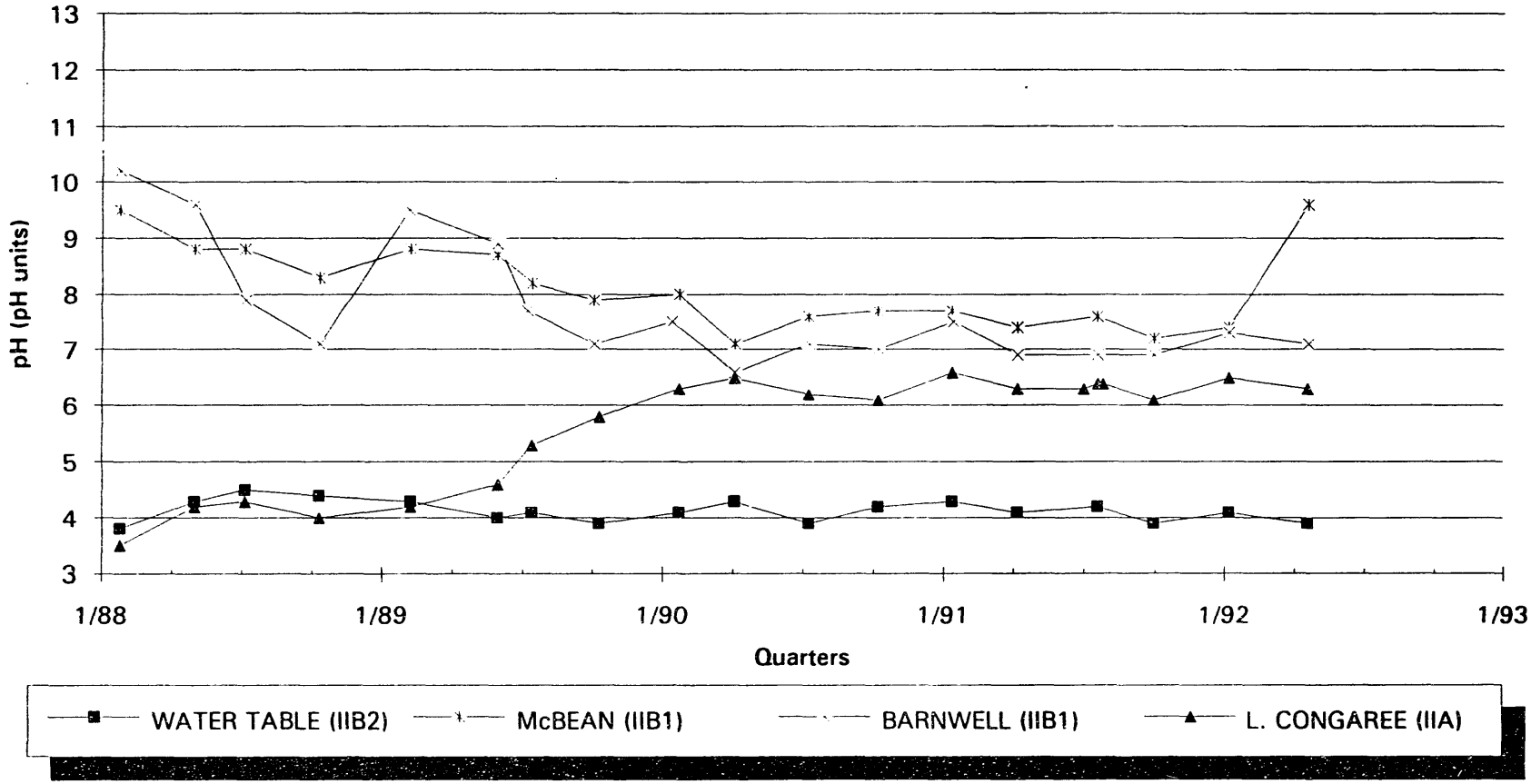
Note: Breaks in lines indicate no data available.

CLUSTER HSB 69
pH



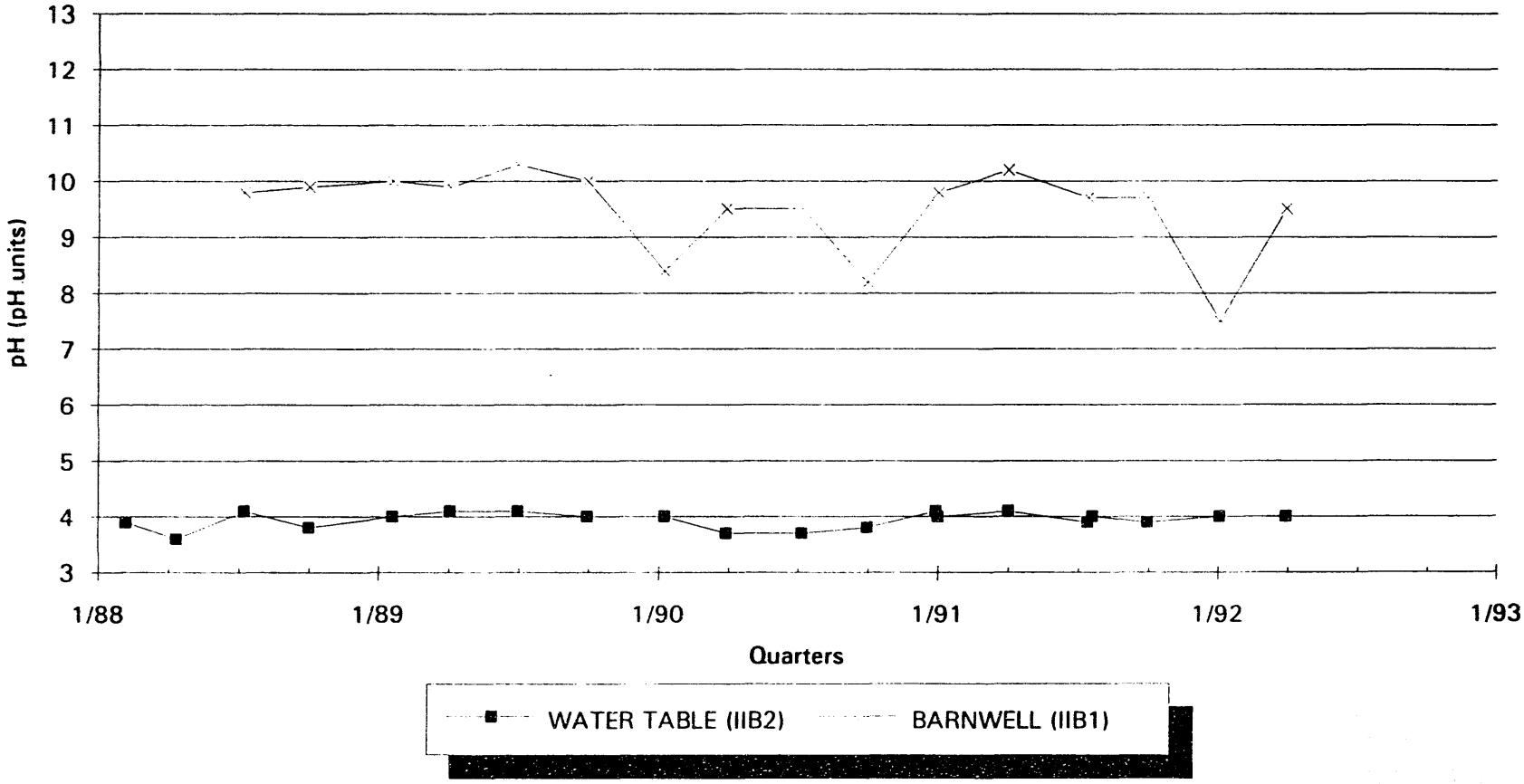
Note: Breaks in lines indicate no data available.

CLUSTER HSB 84
pH

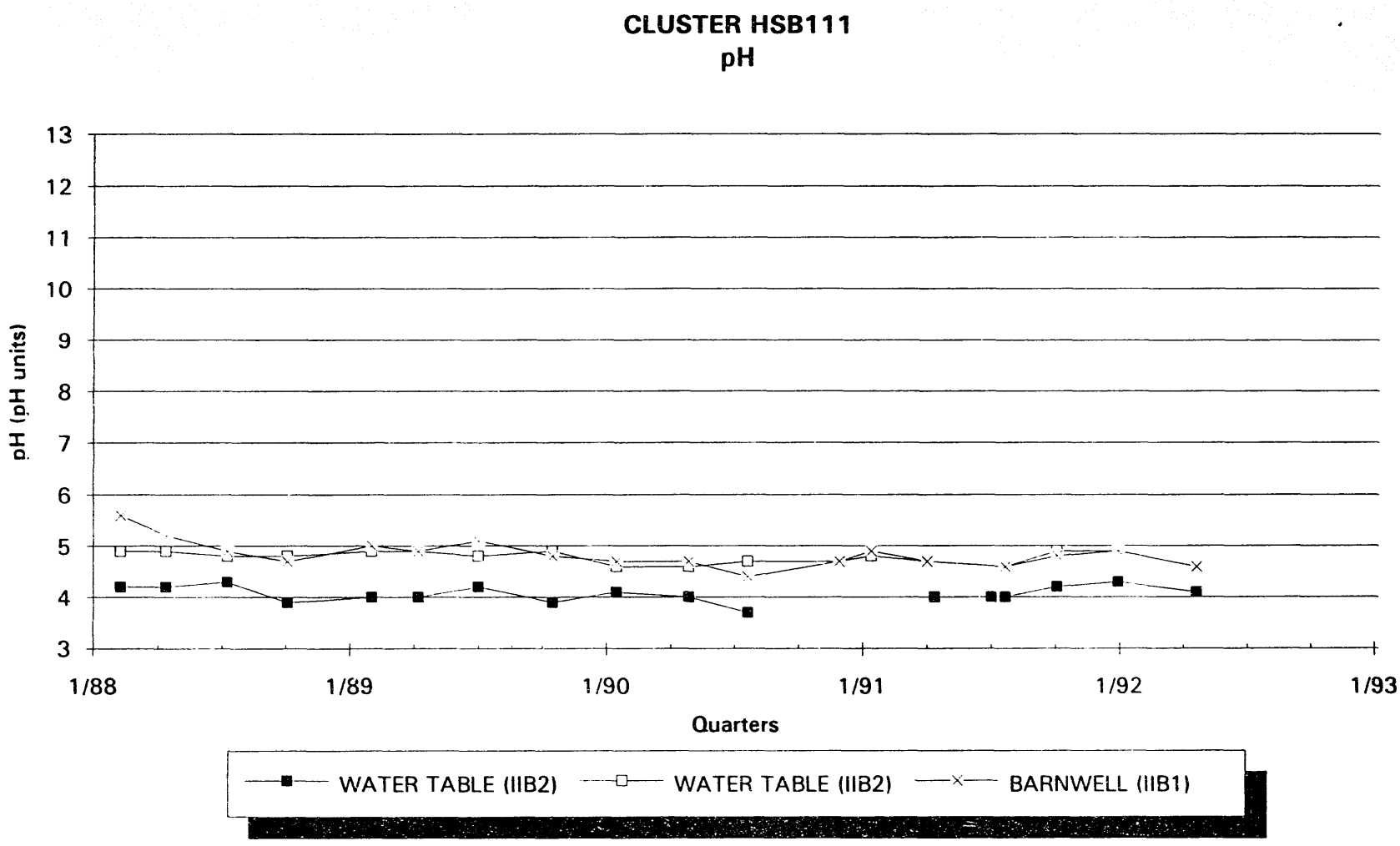


Note: Breaks in lines indicate no data available.

CLUSTER HSB104
pH

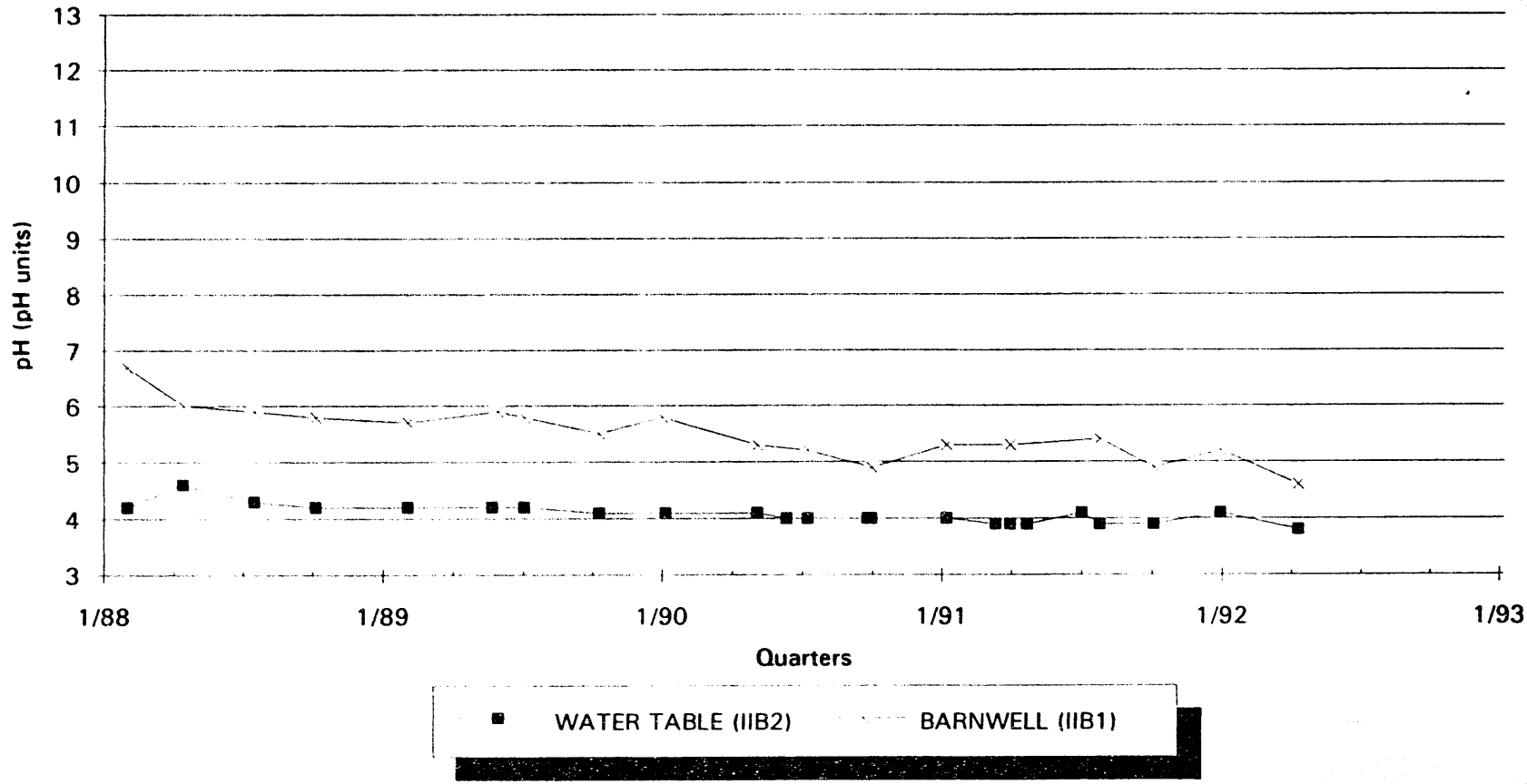


Note: Breaks in lines indicate no data available.



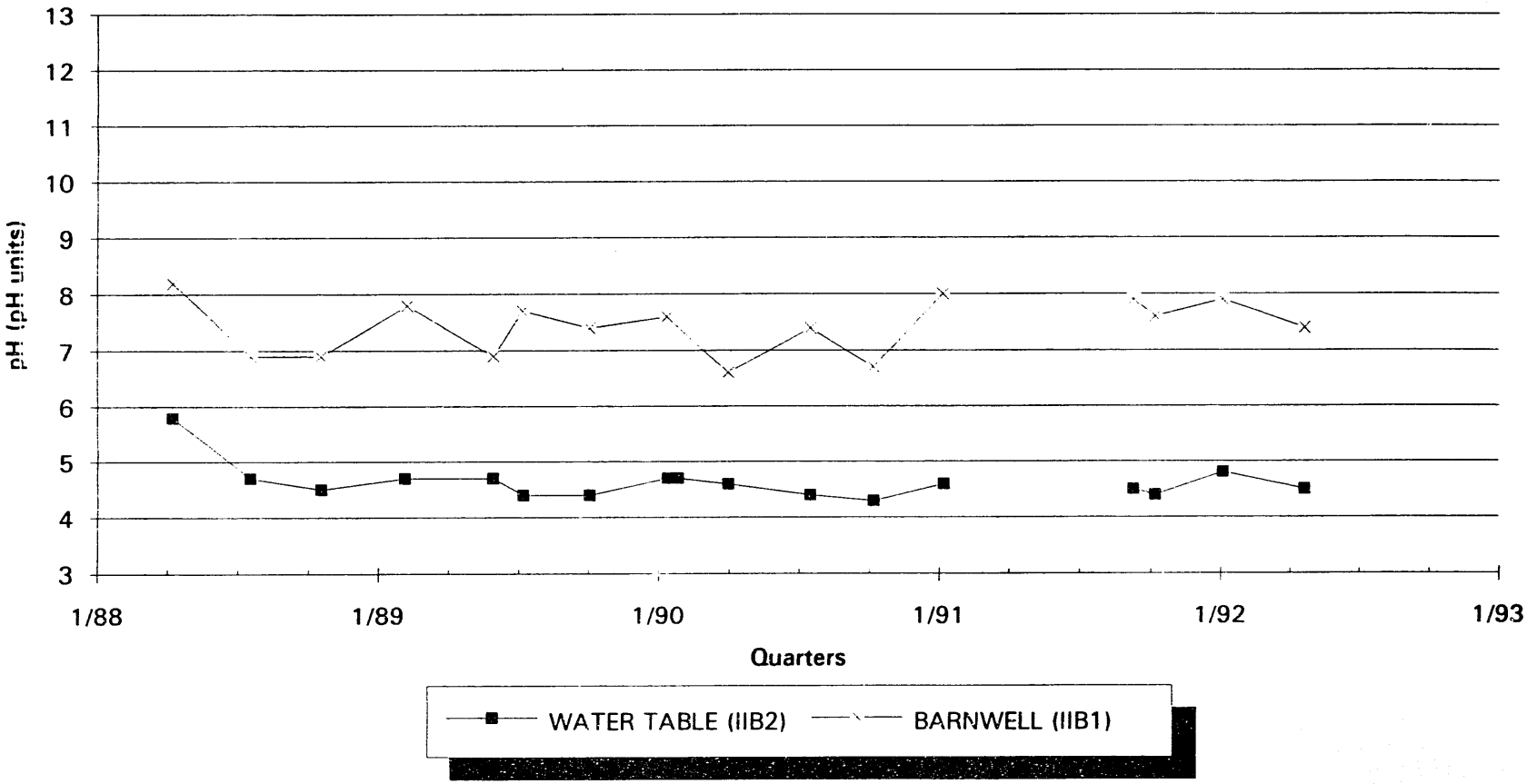
Note: Breaks in lines indicate no data available.

CLUSTER HSB116
pH



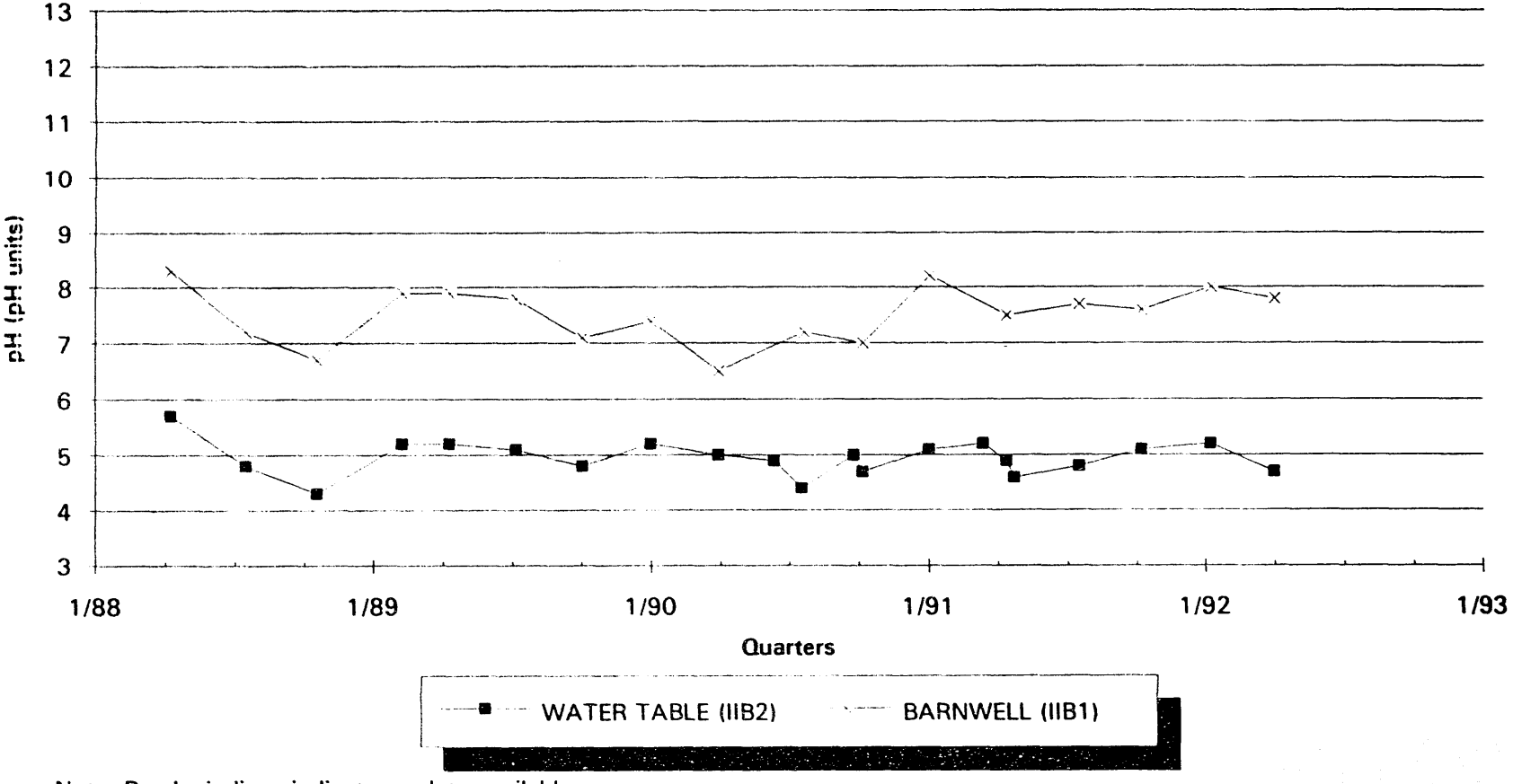
Note: Breaks in lines indicate no data available.

CLUSTER HSB126
pH



Note: Breaks in lines indicate no data available.

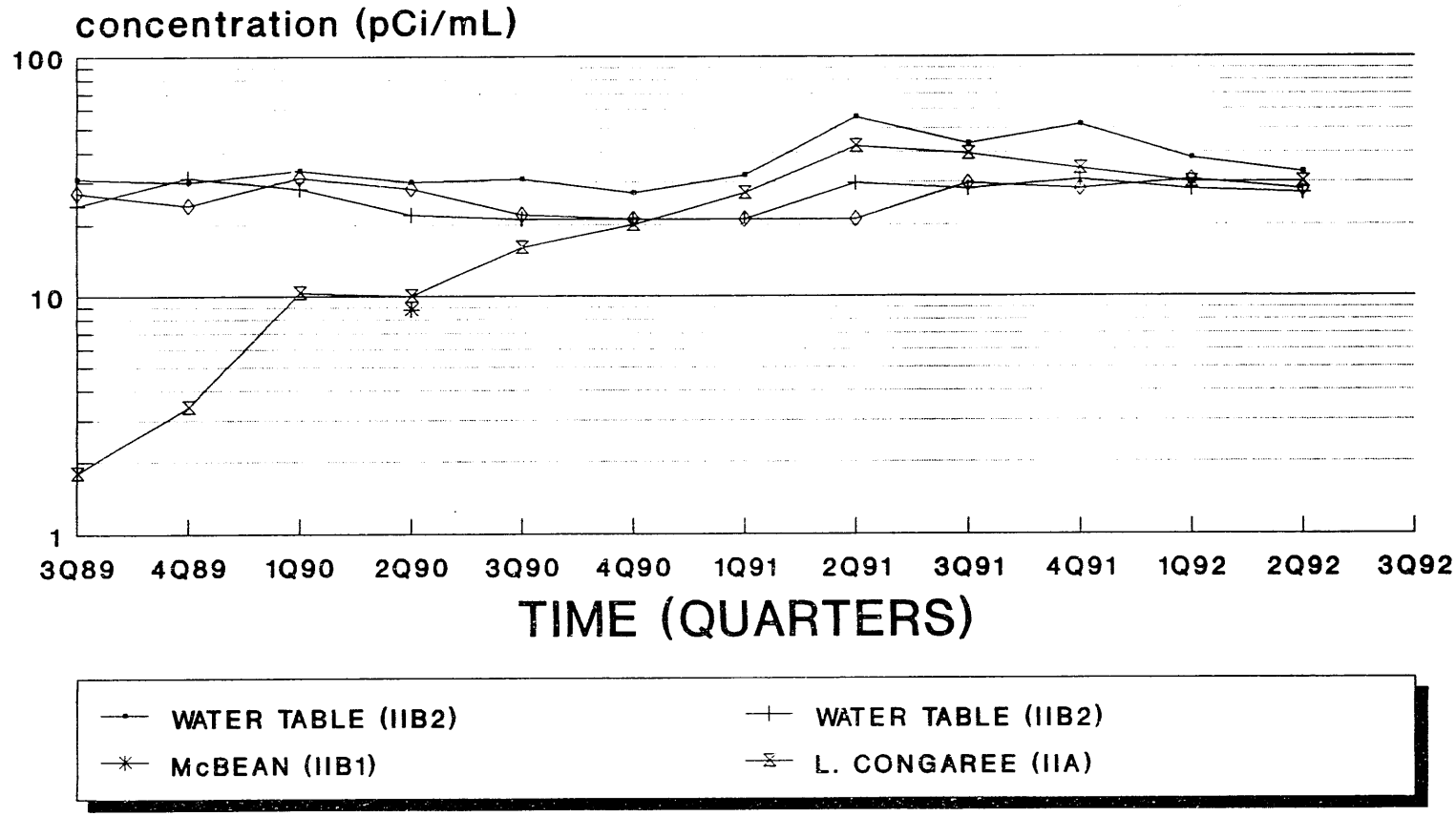
CLUSTER HSB131
pH



Note: Breaks in lines indicate no data available.

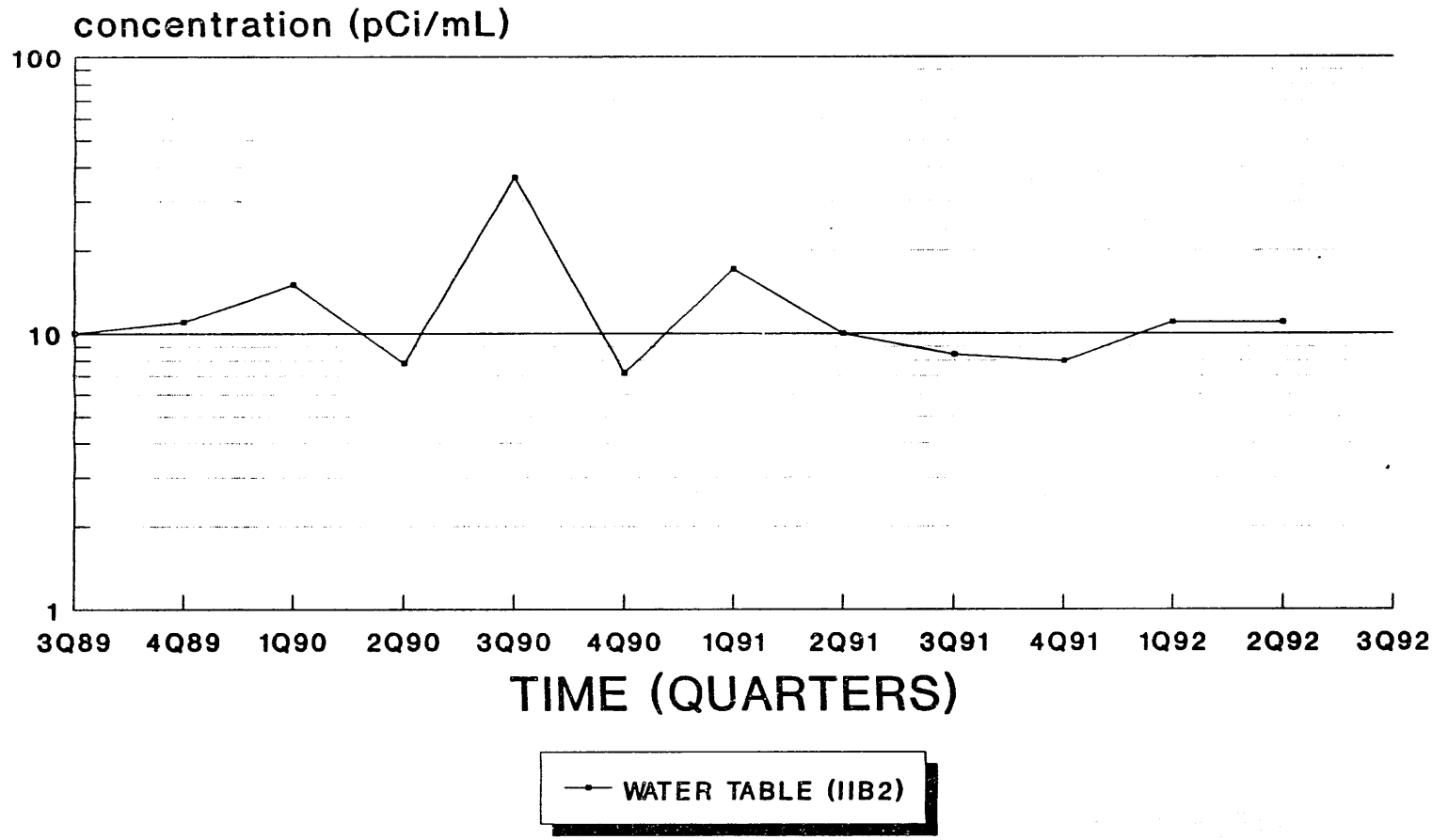
CLUSTER - HSB 65

Tritium



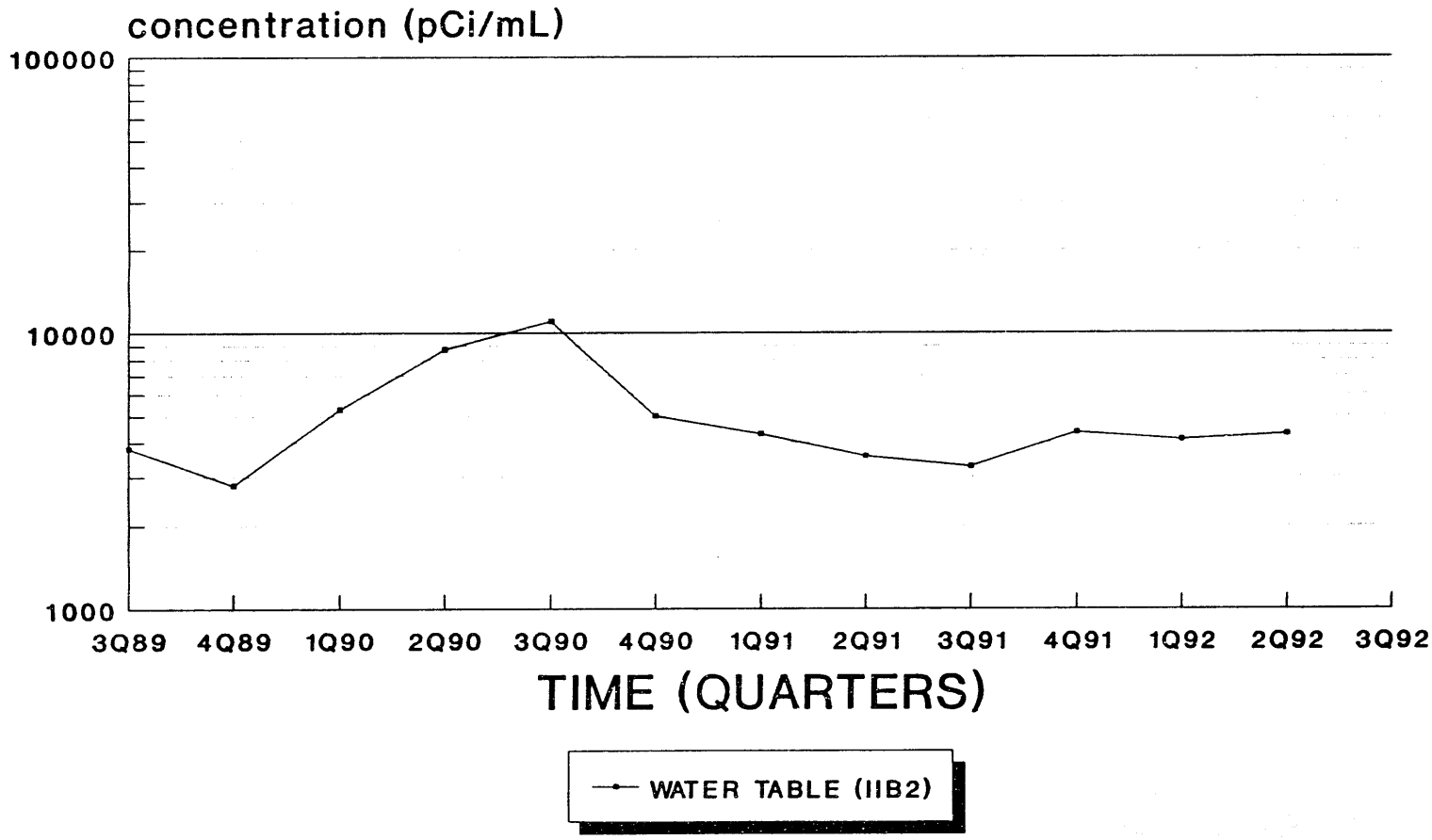
PDWS 20 pCi/mL
empty space denotes no data or dry well
1st water table: HSB 65; 2nd: HSB 65C

HSB 66
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

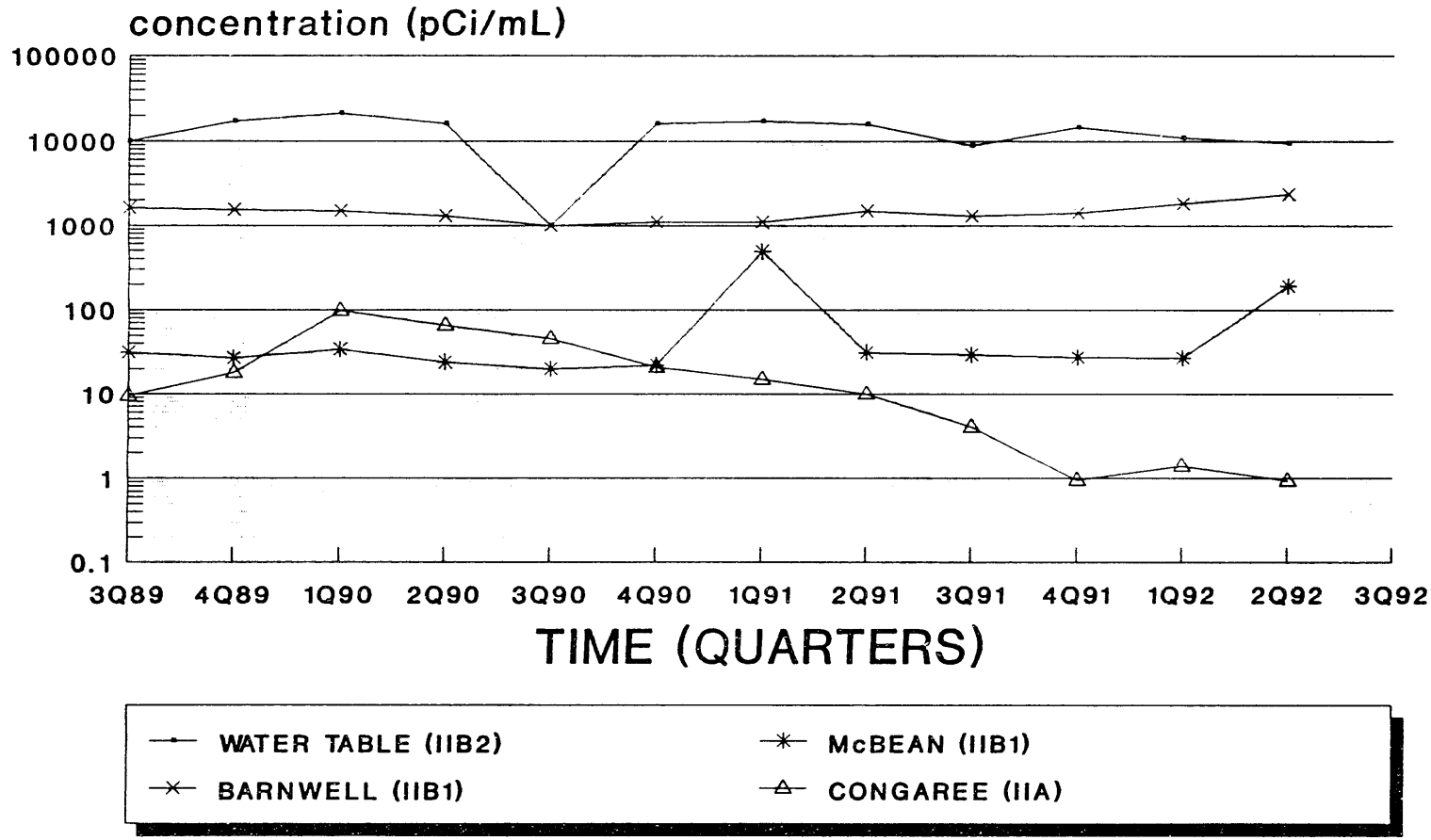
HSB 67
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB 68

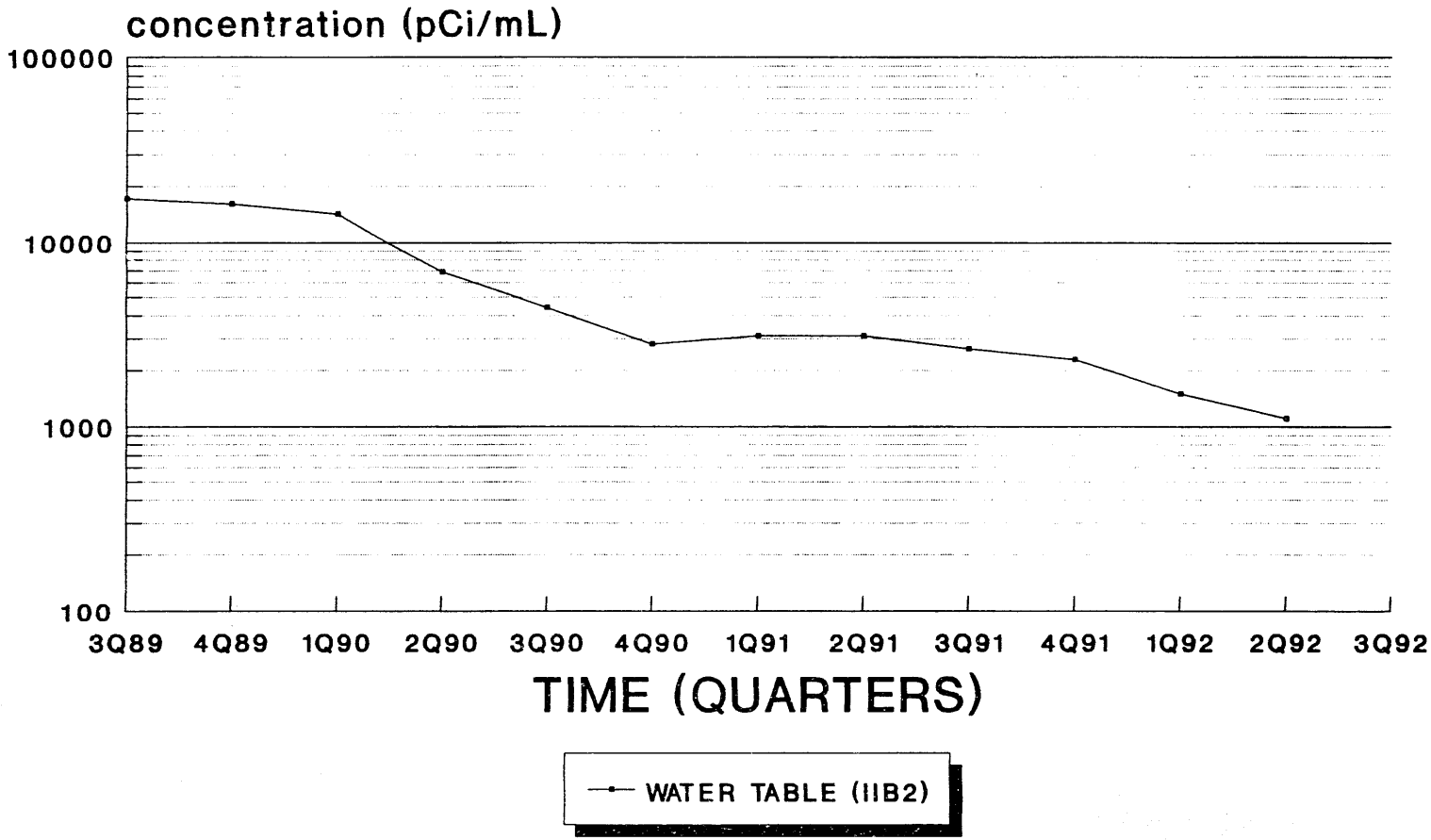
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB 69

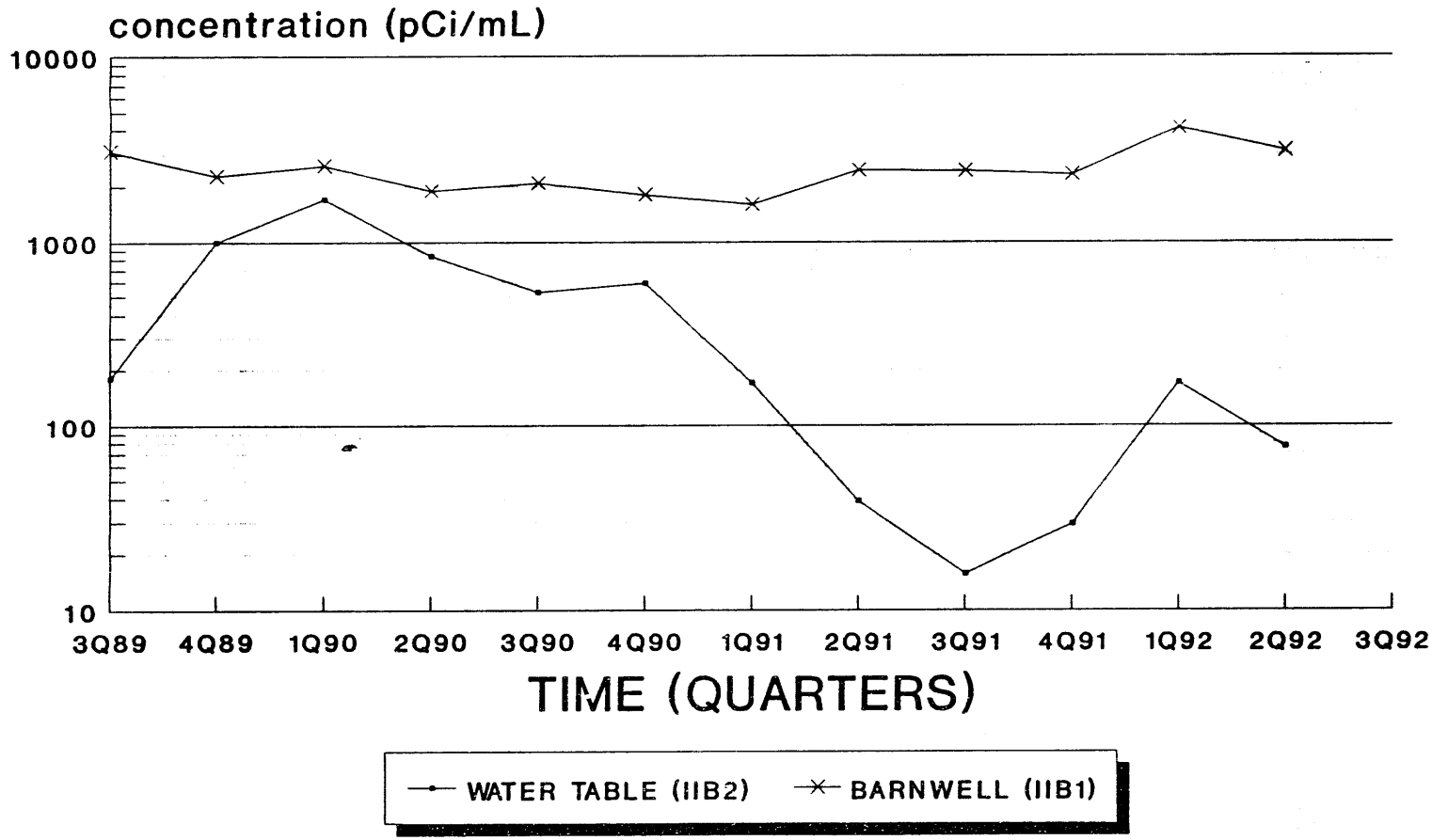
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB 70

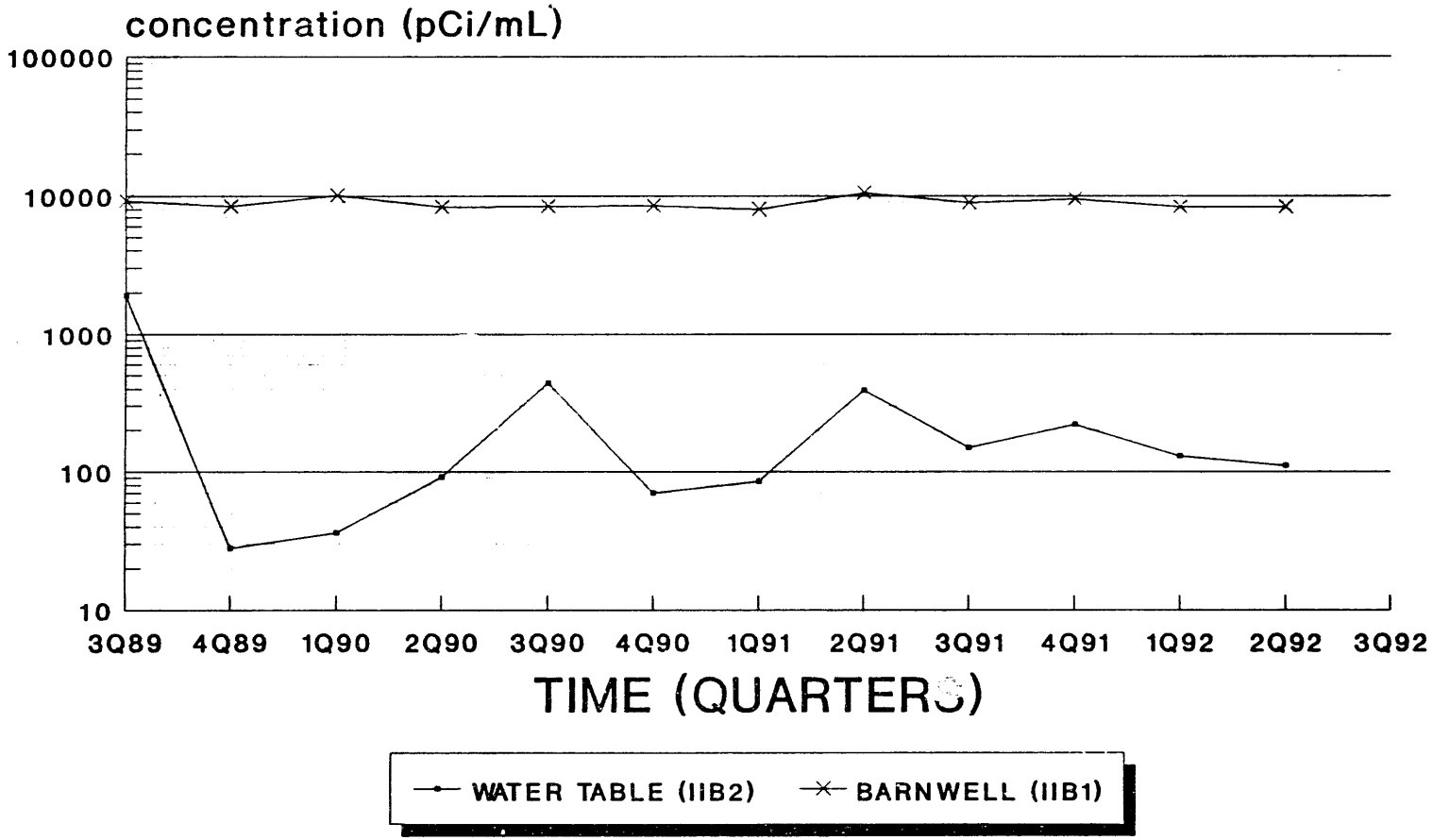
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB 71

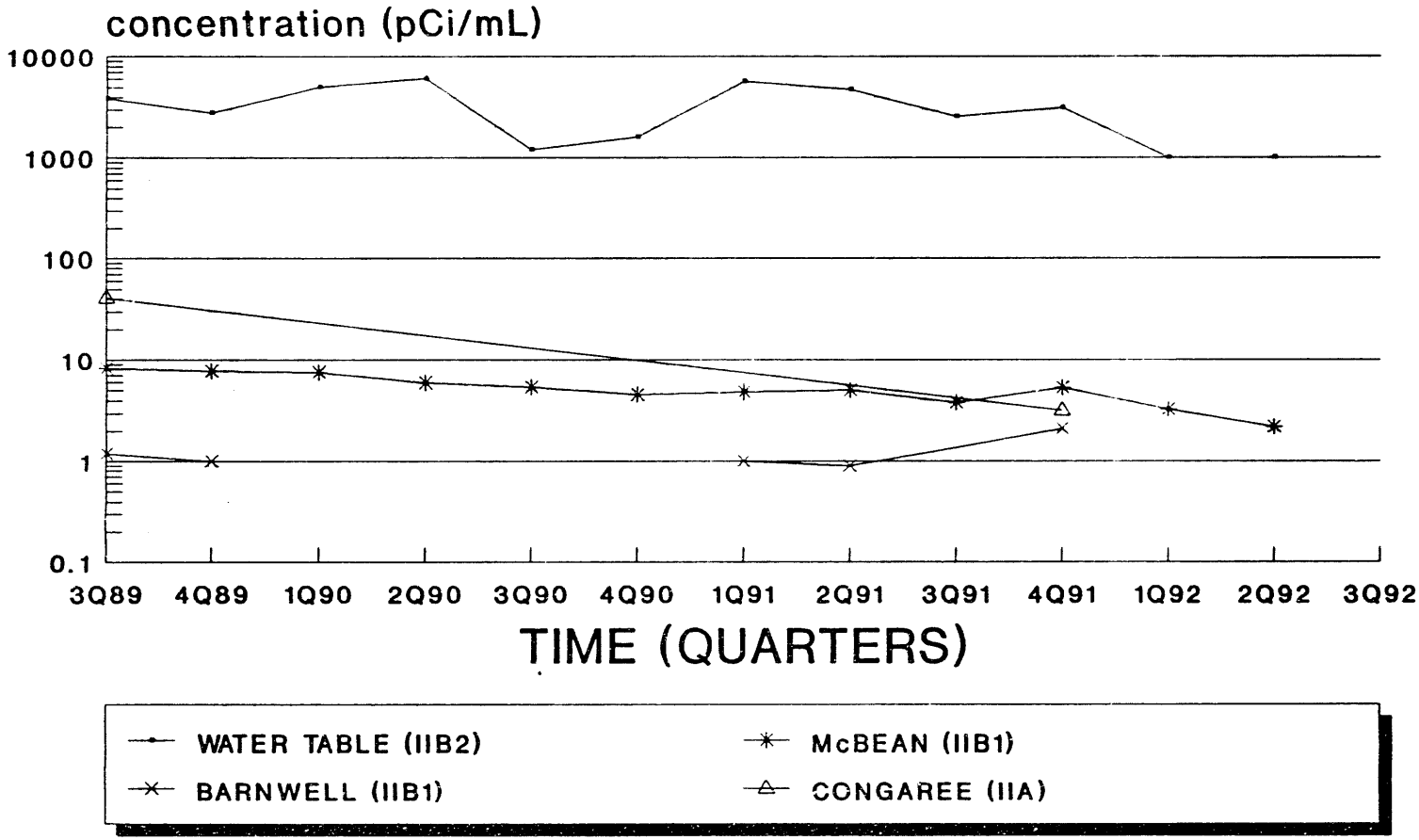
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB 83

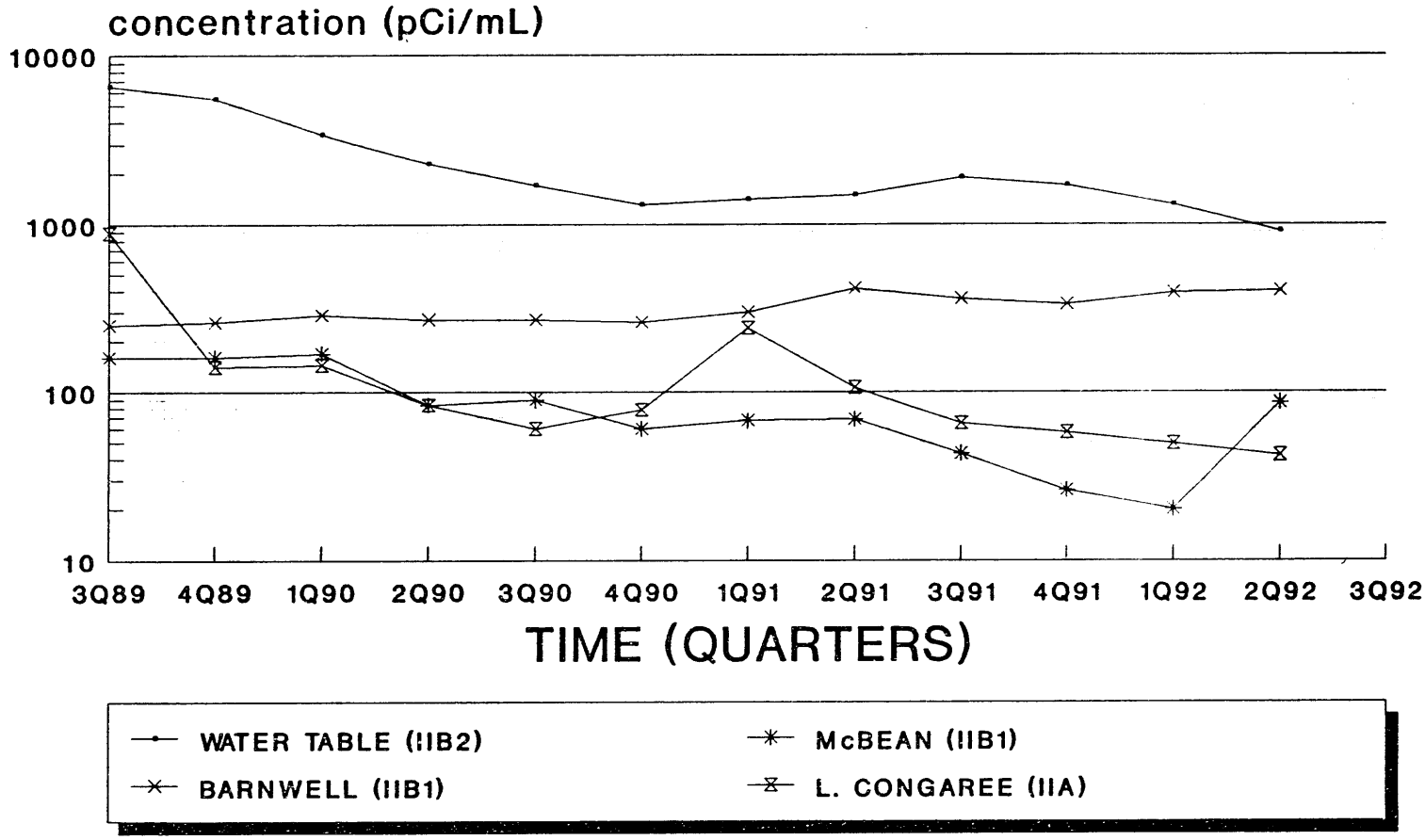
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB 84

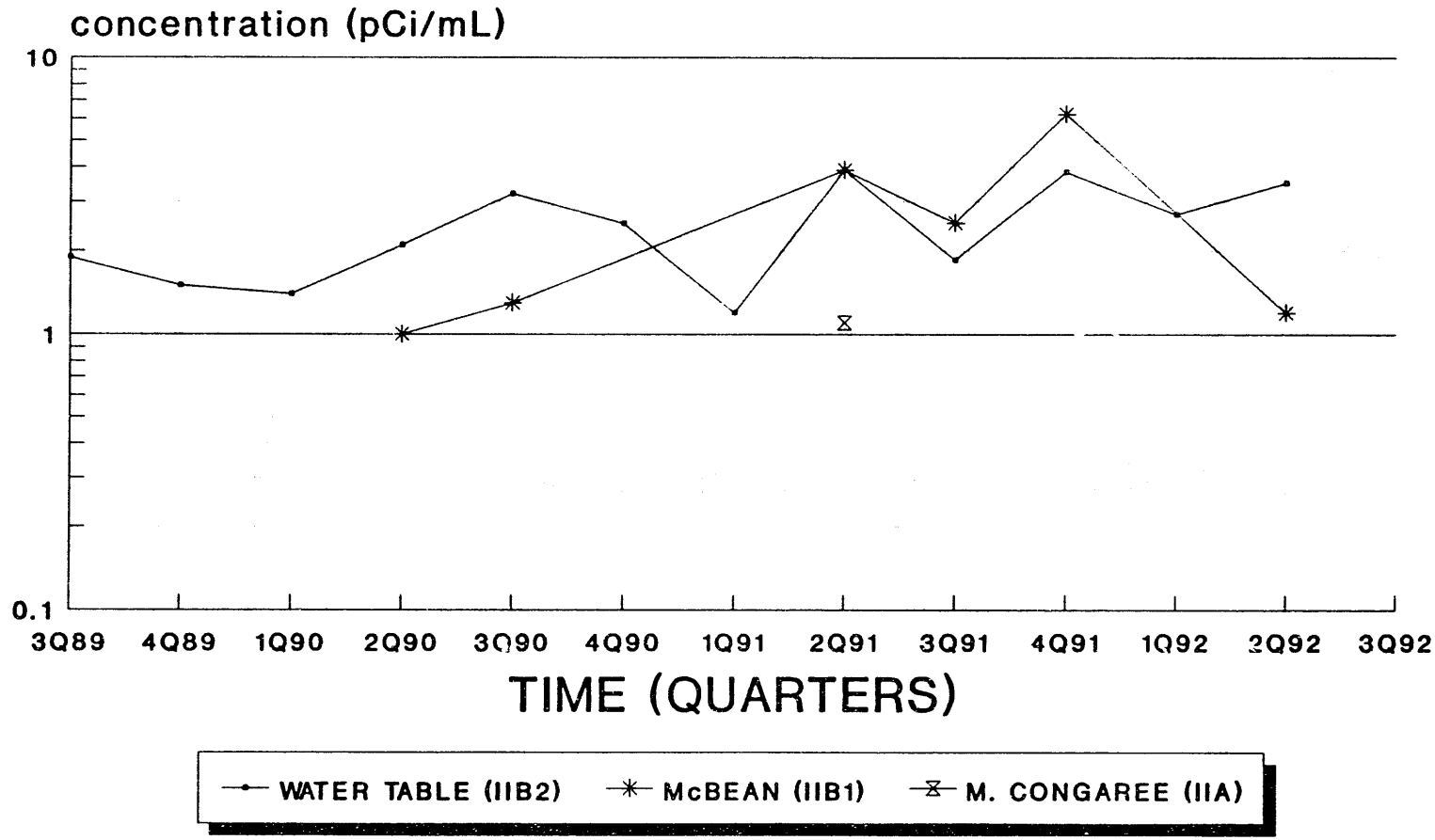
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB 85

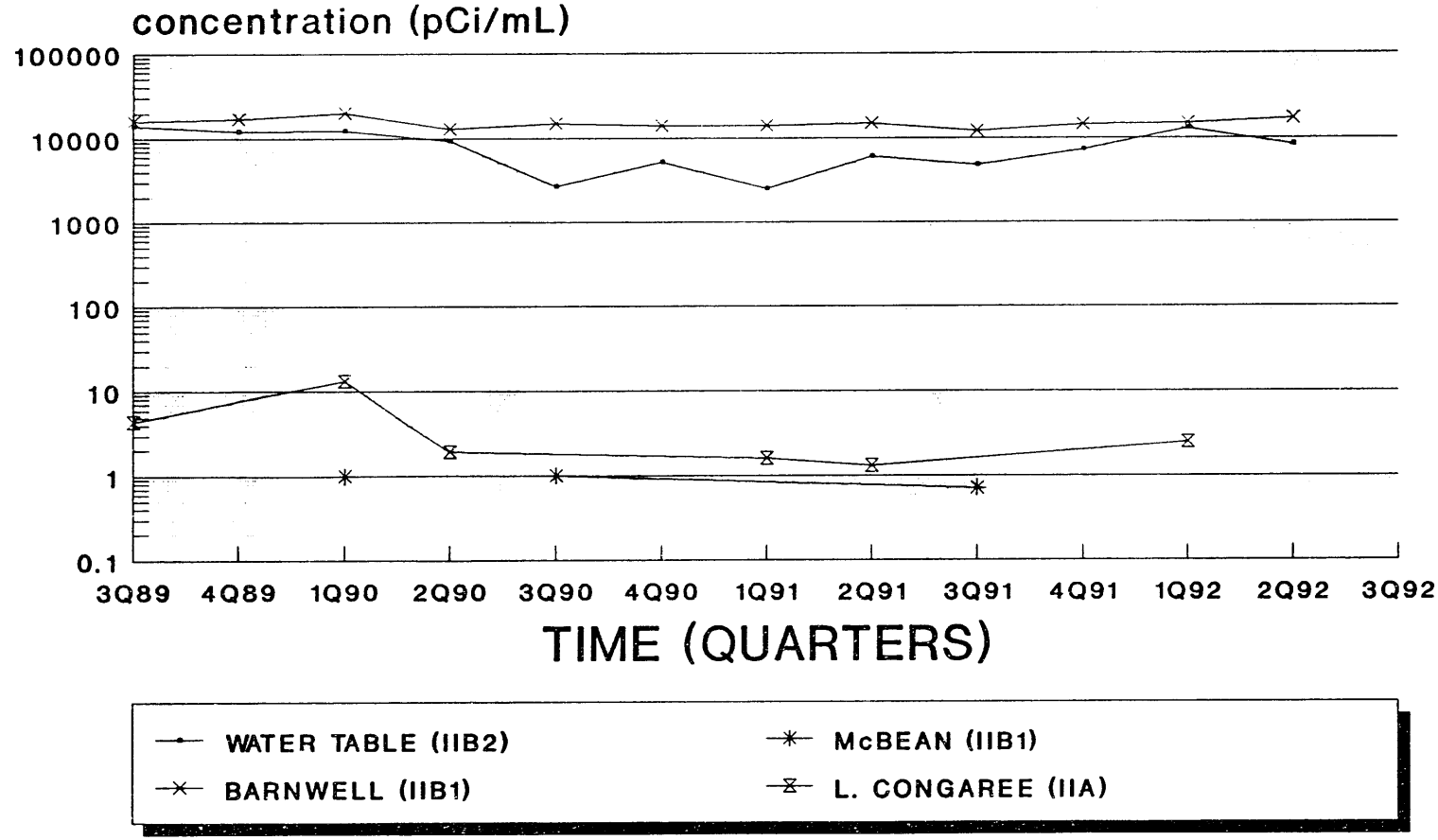
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB 86

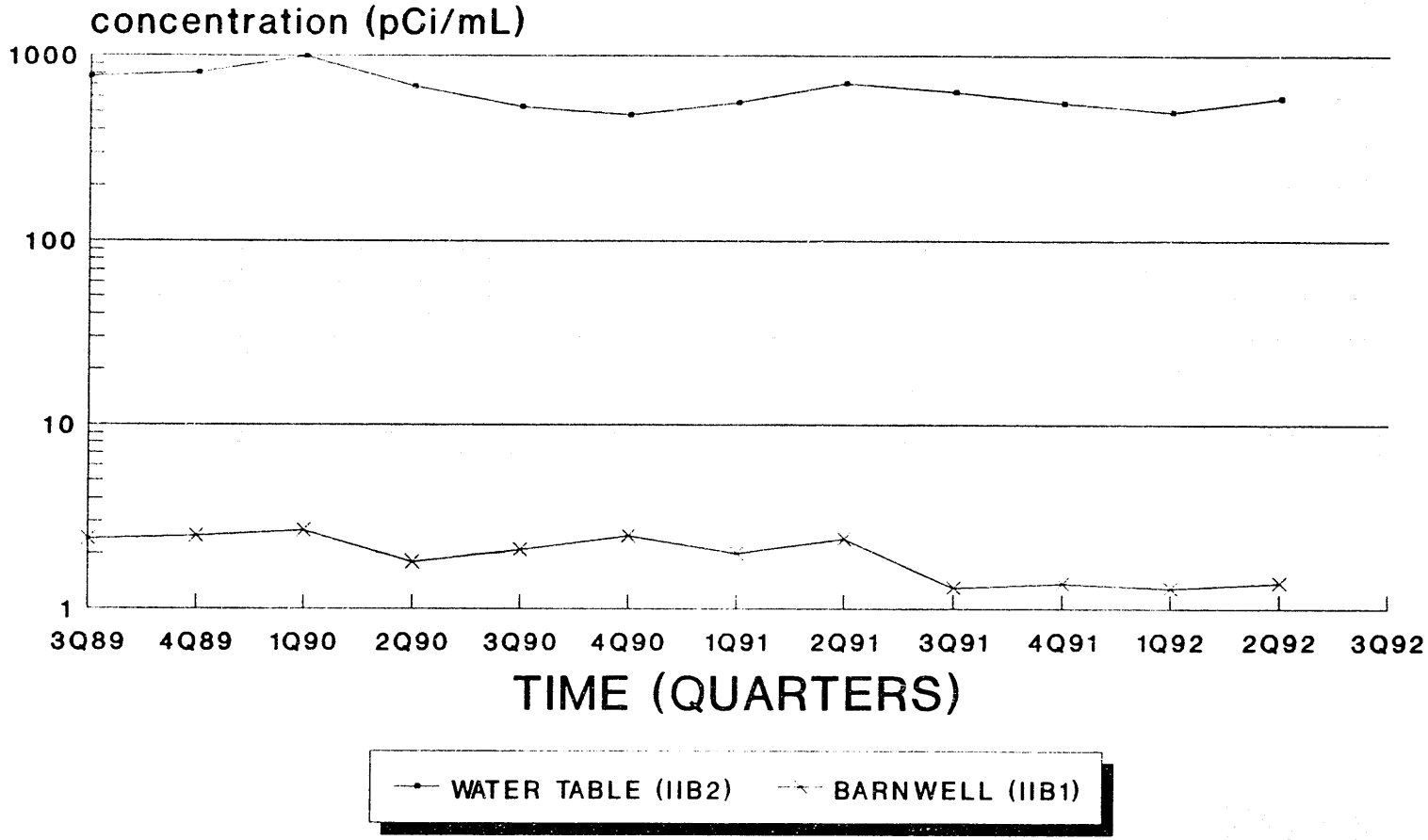
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB100

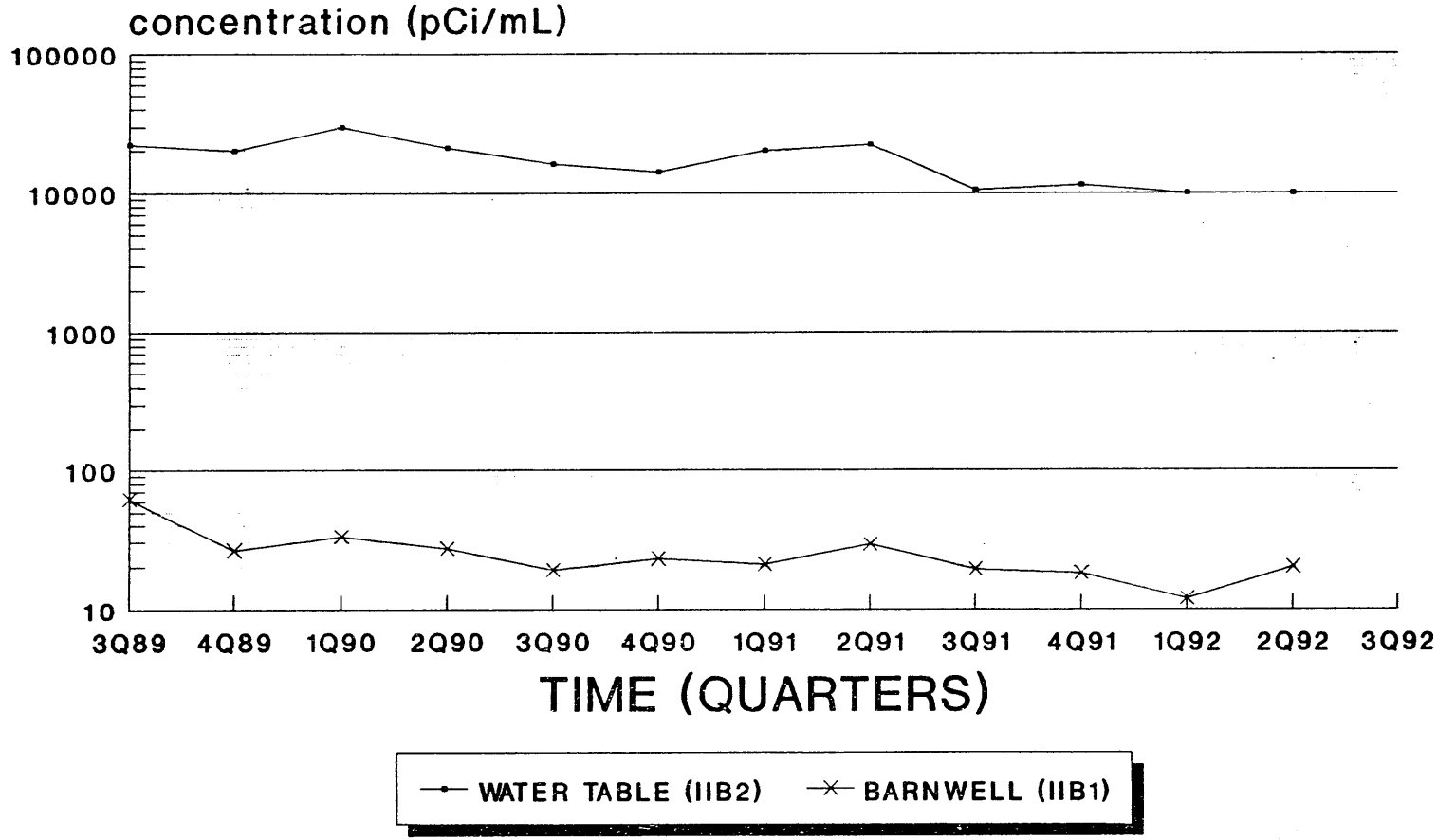
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB101

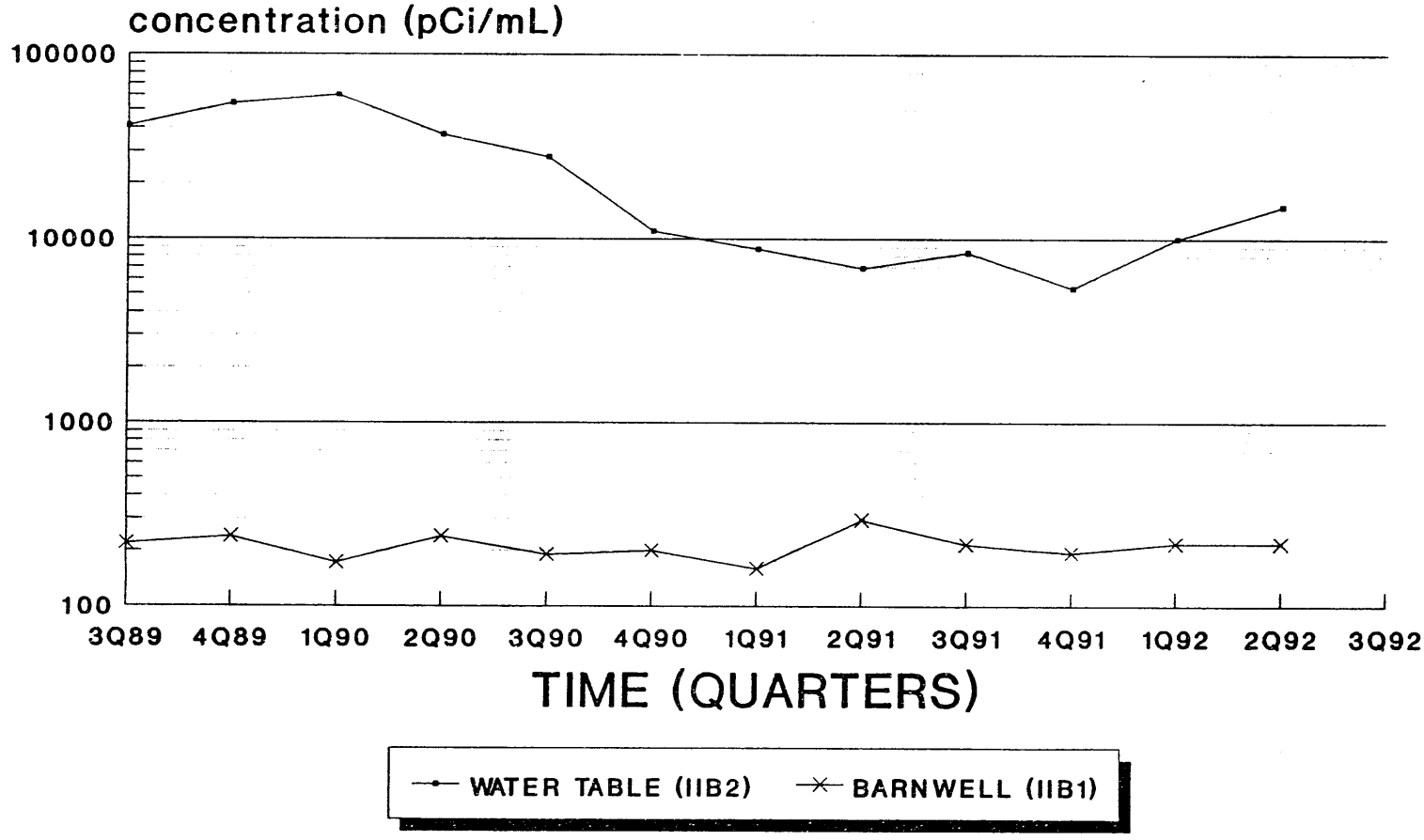
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB102

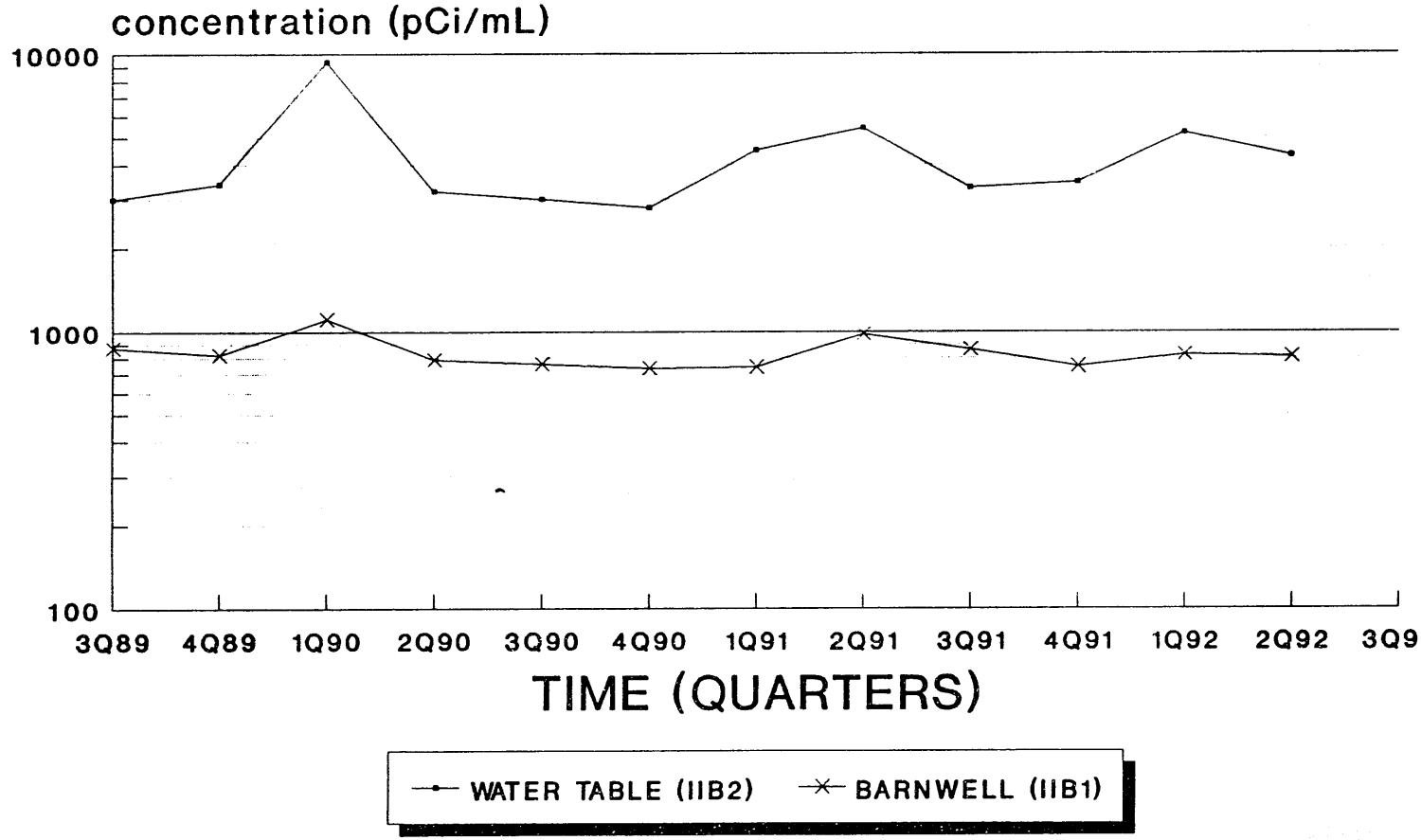
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB103

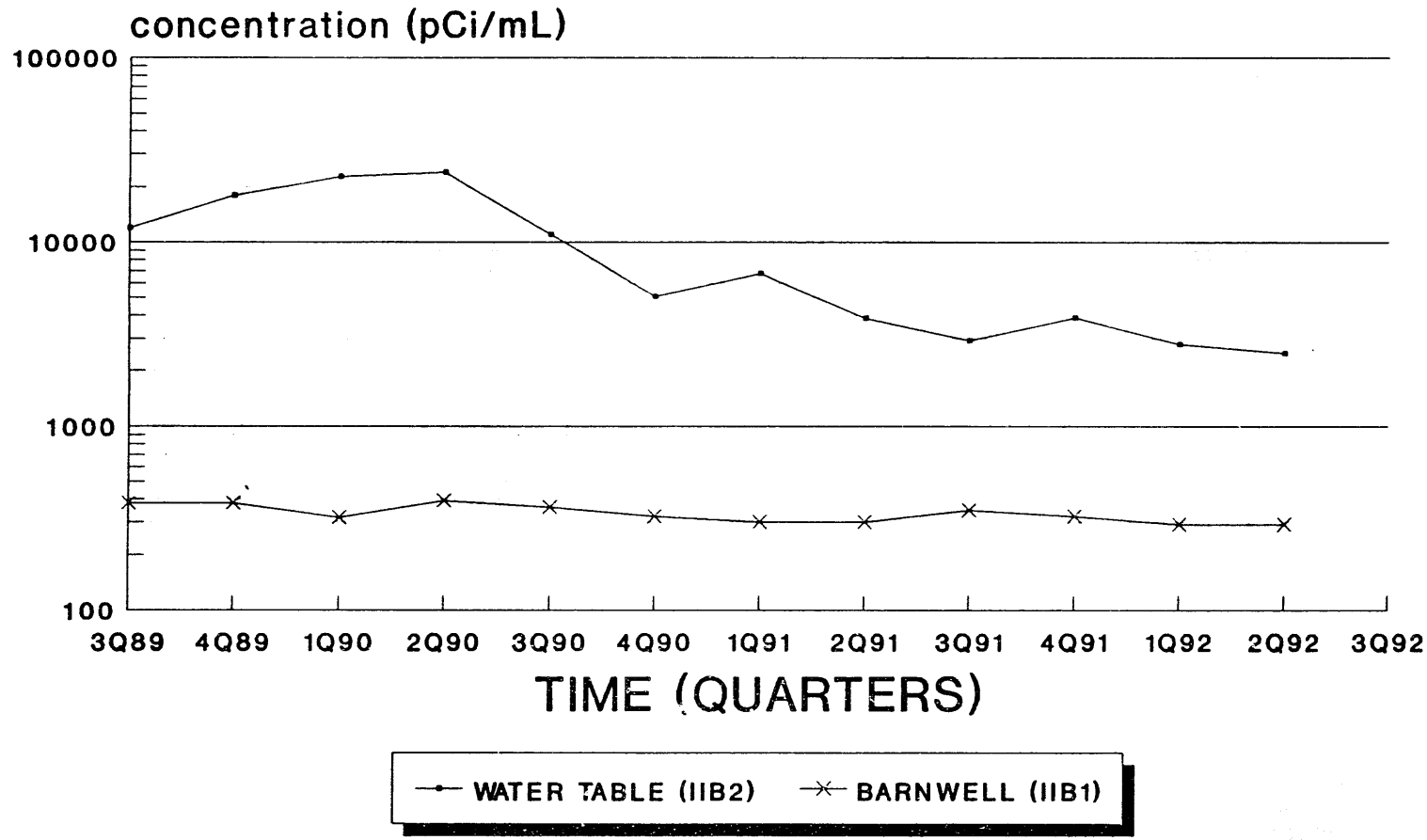
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB104

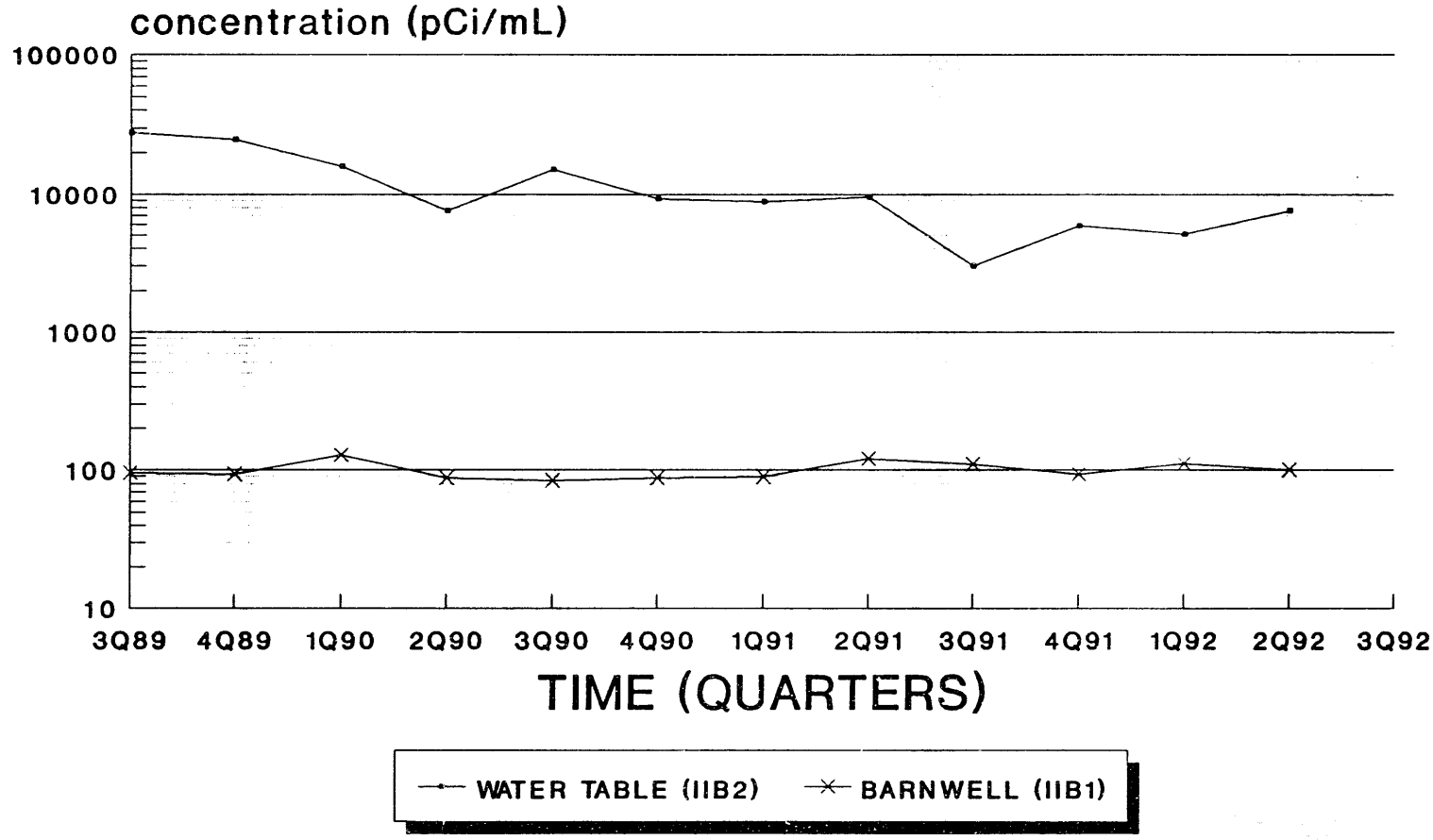
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB105

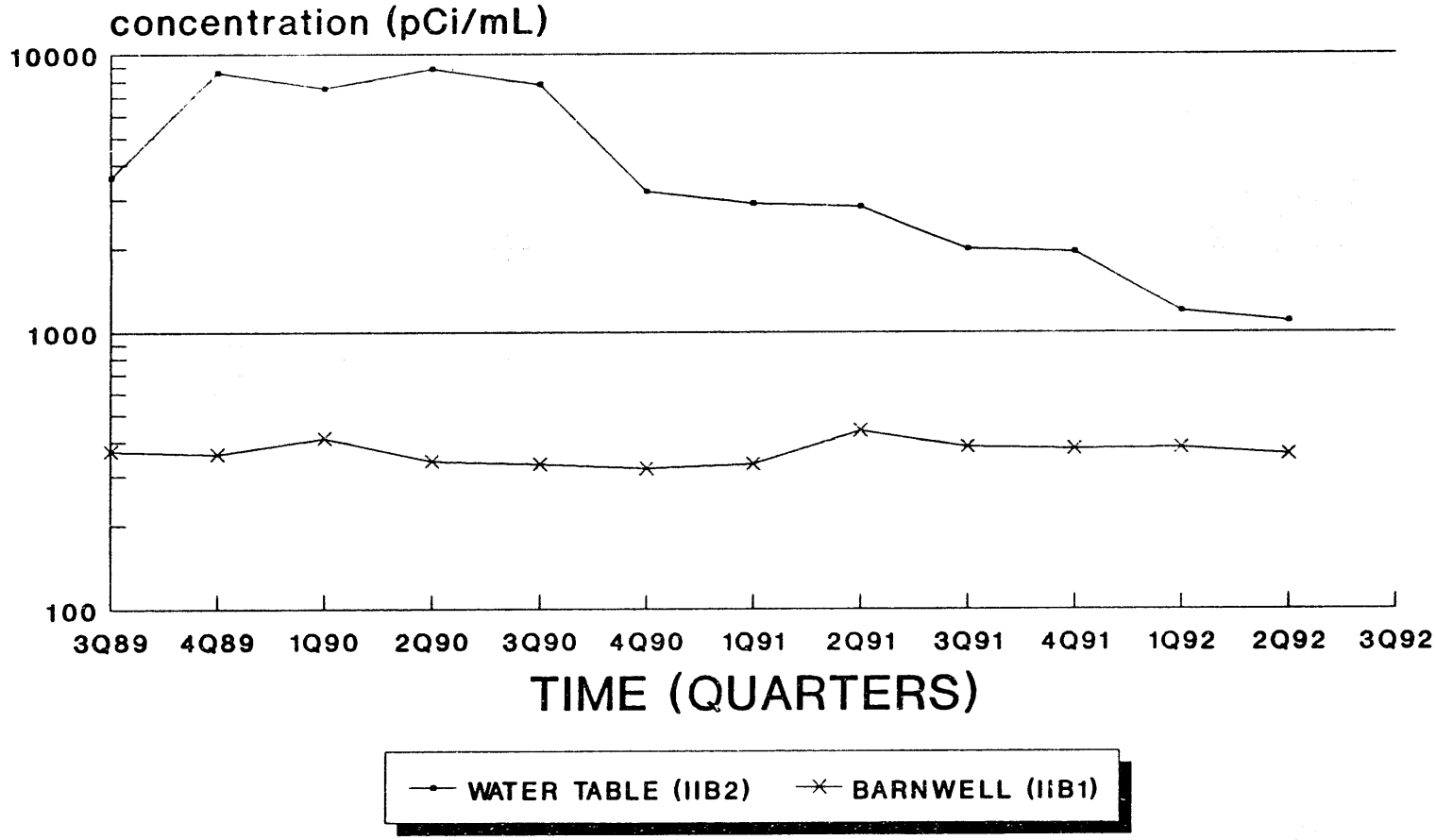
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB106

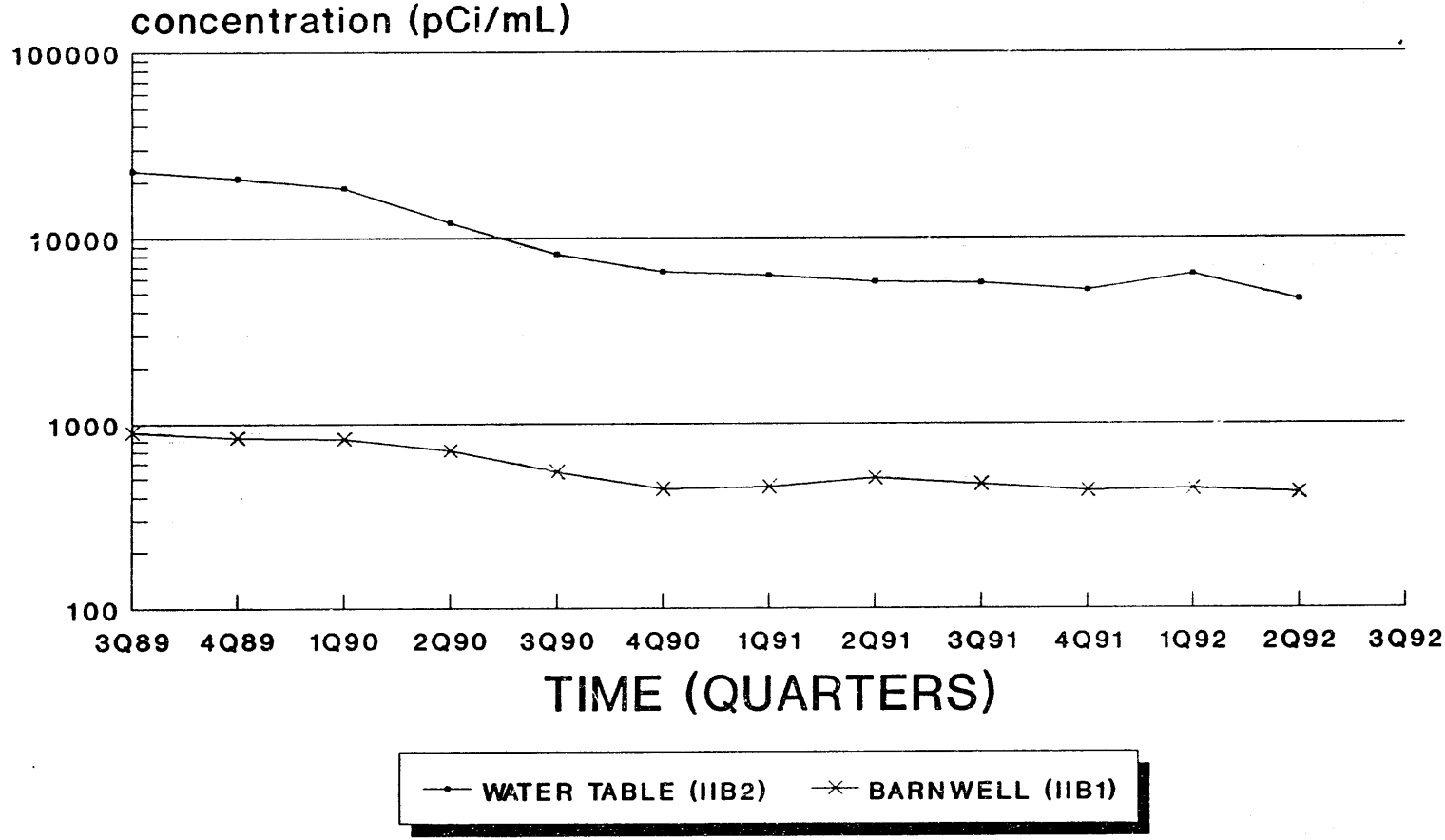
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB107

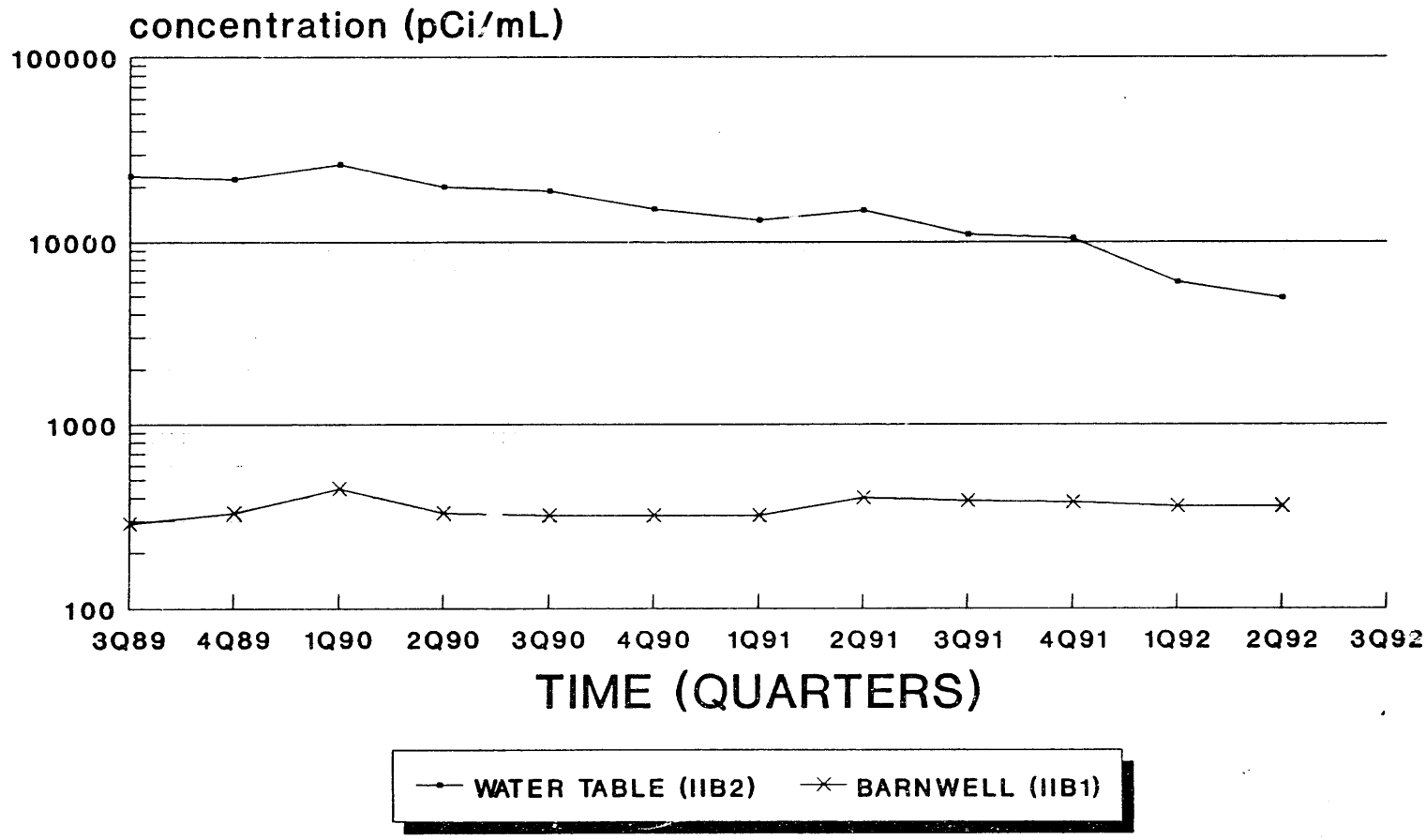
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB108

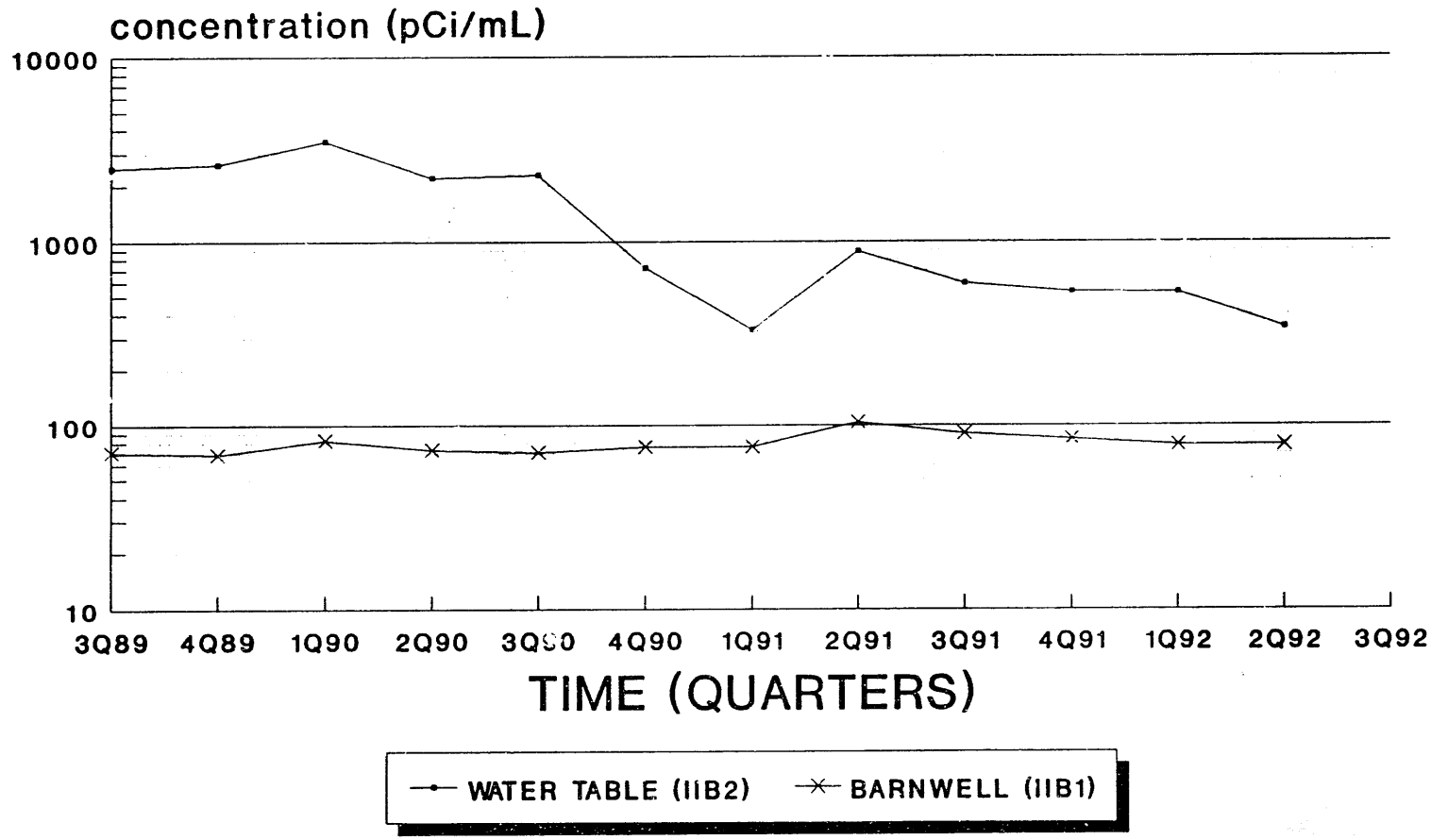
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB109

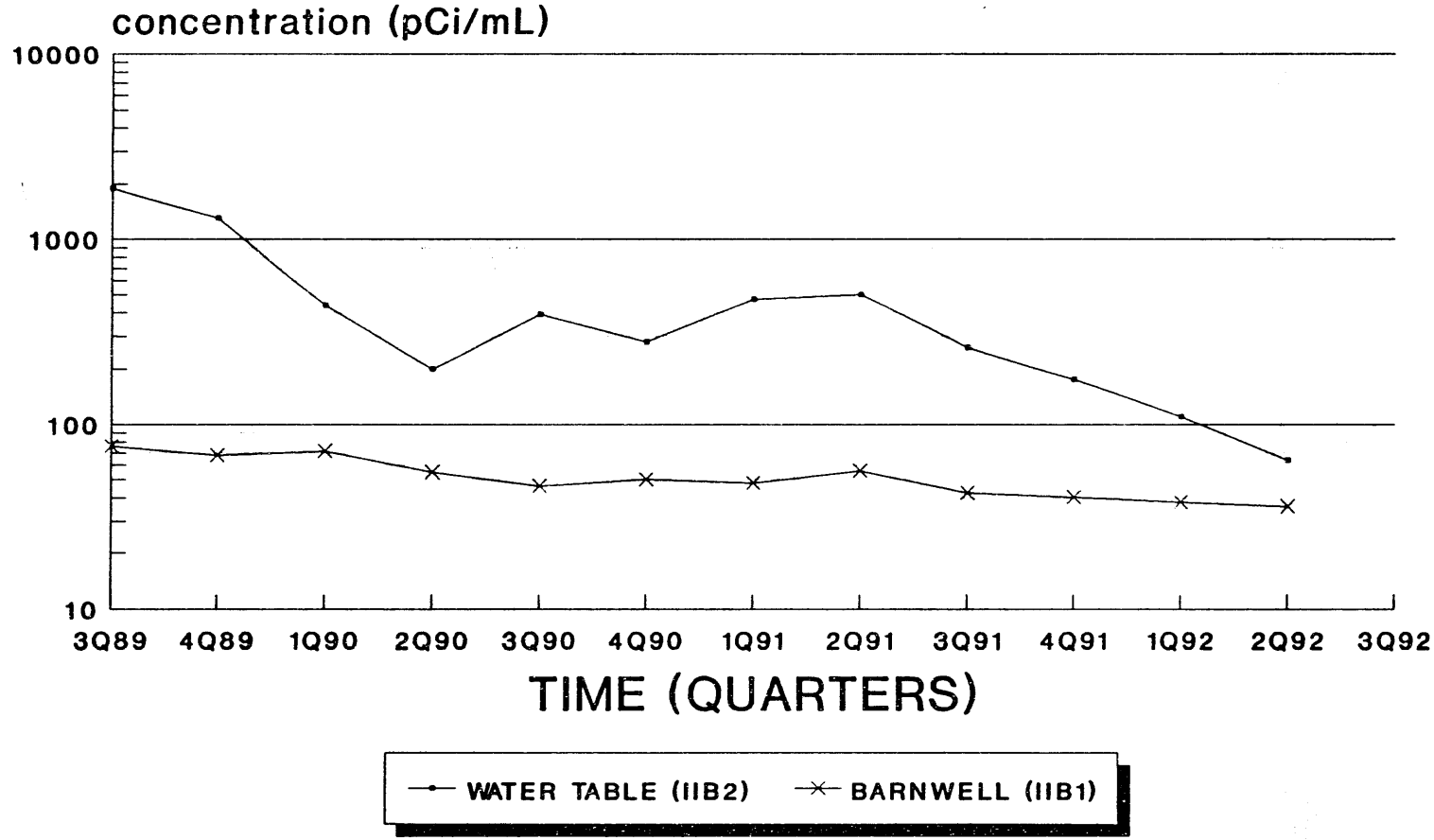
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB110

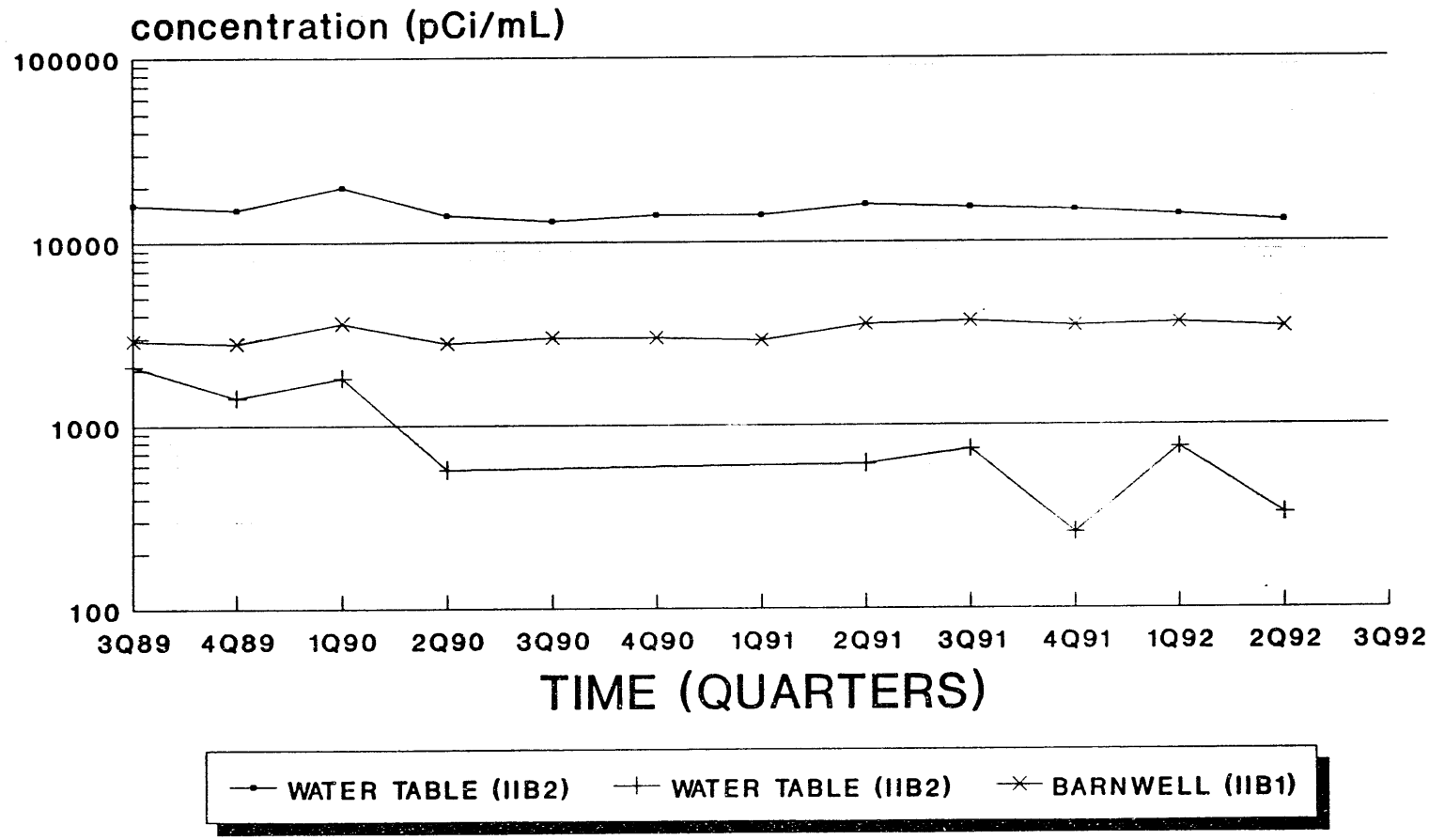
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB111

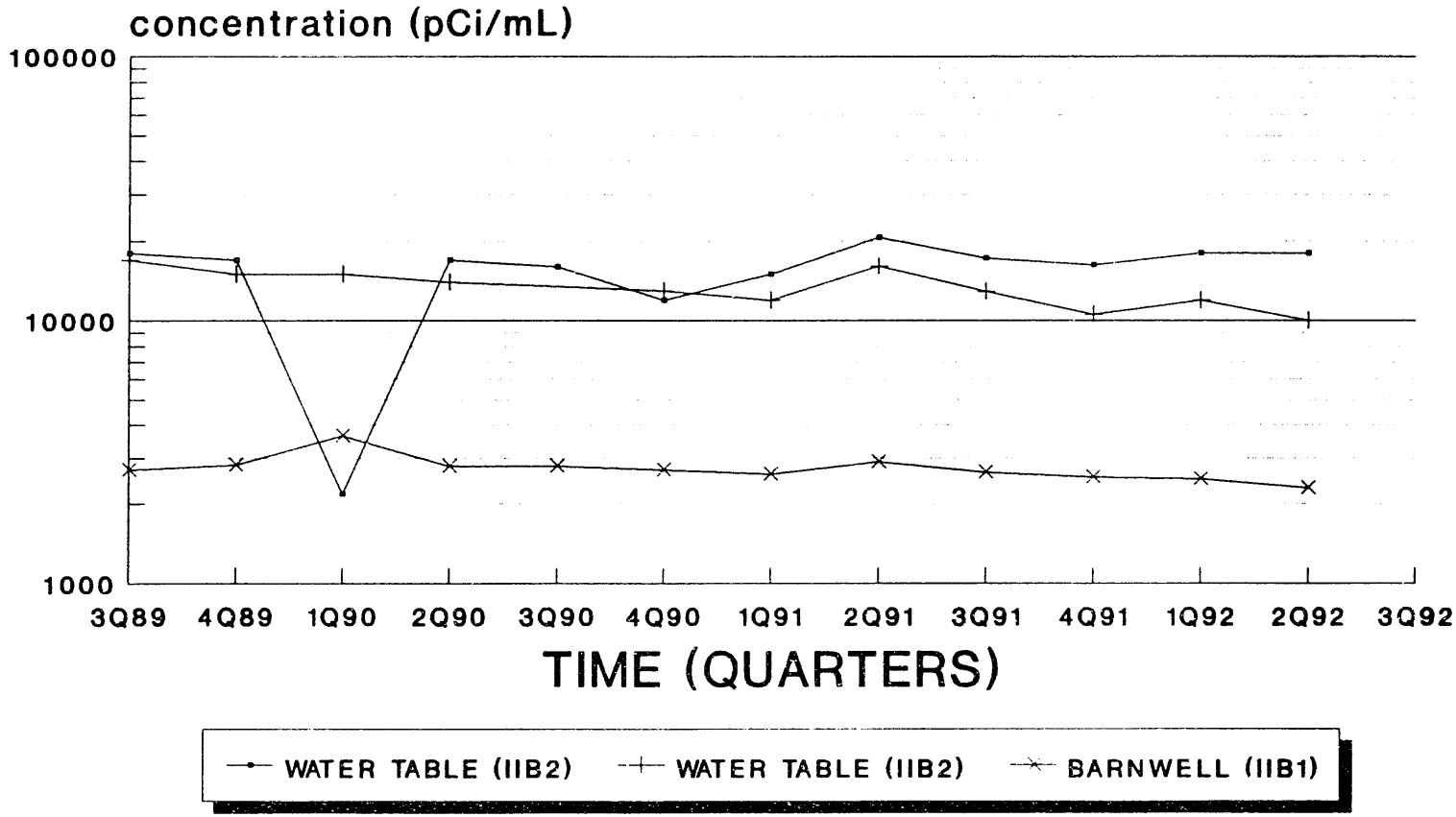
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB112

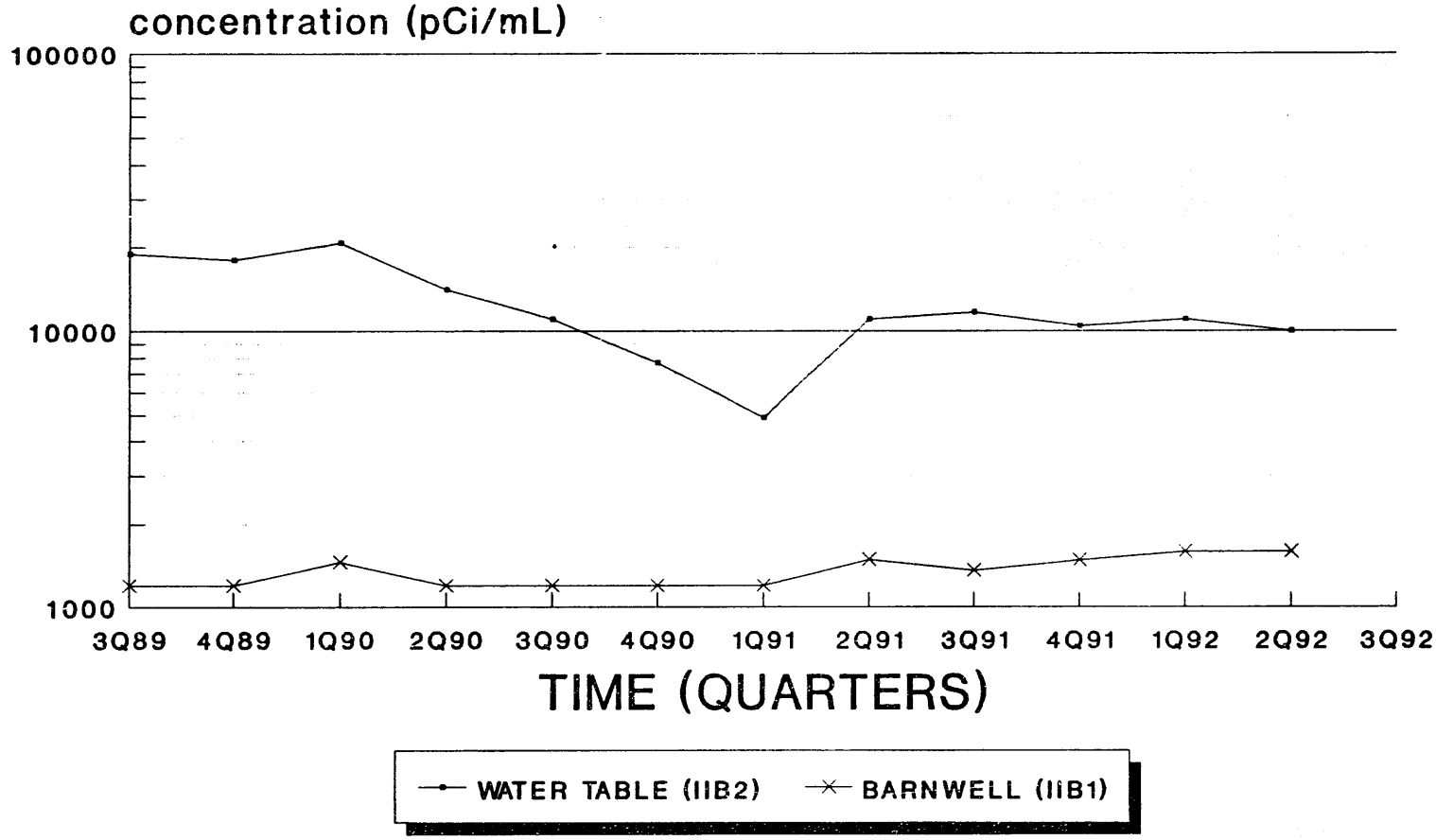
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well
1st water table: HSB 65; 2nd: HSB 65C

CLUSTER - HSB113

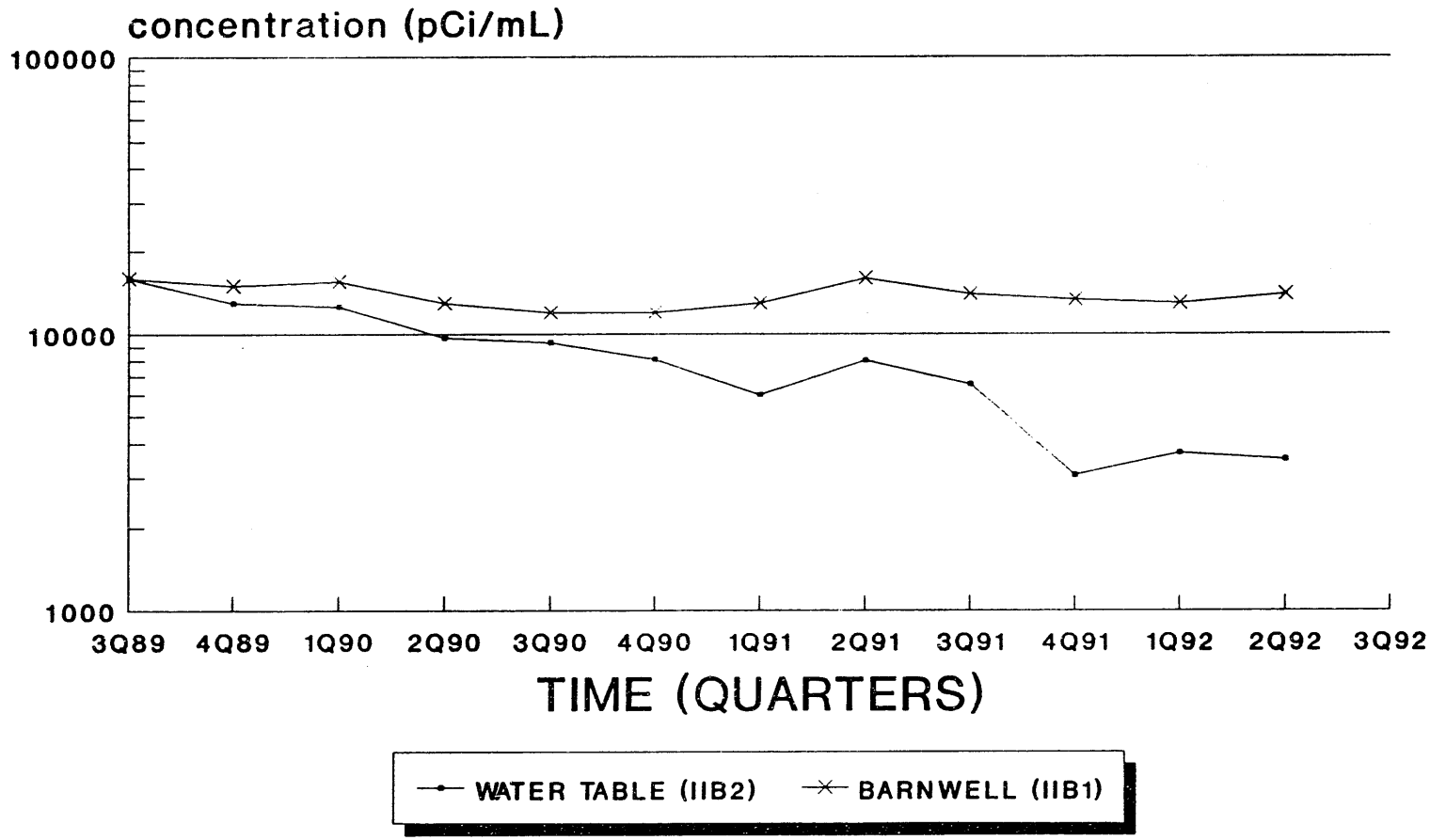
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB114

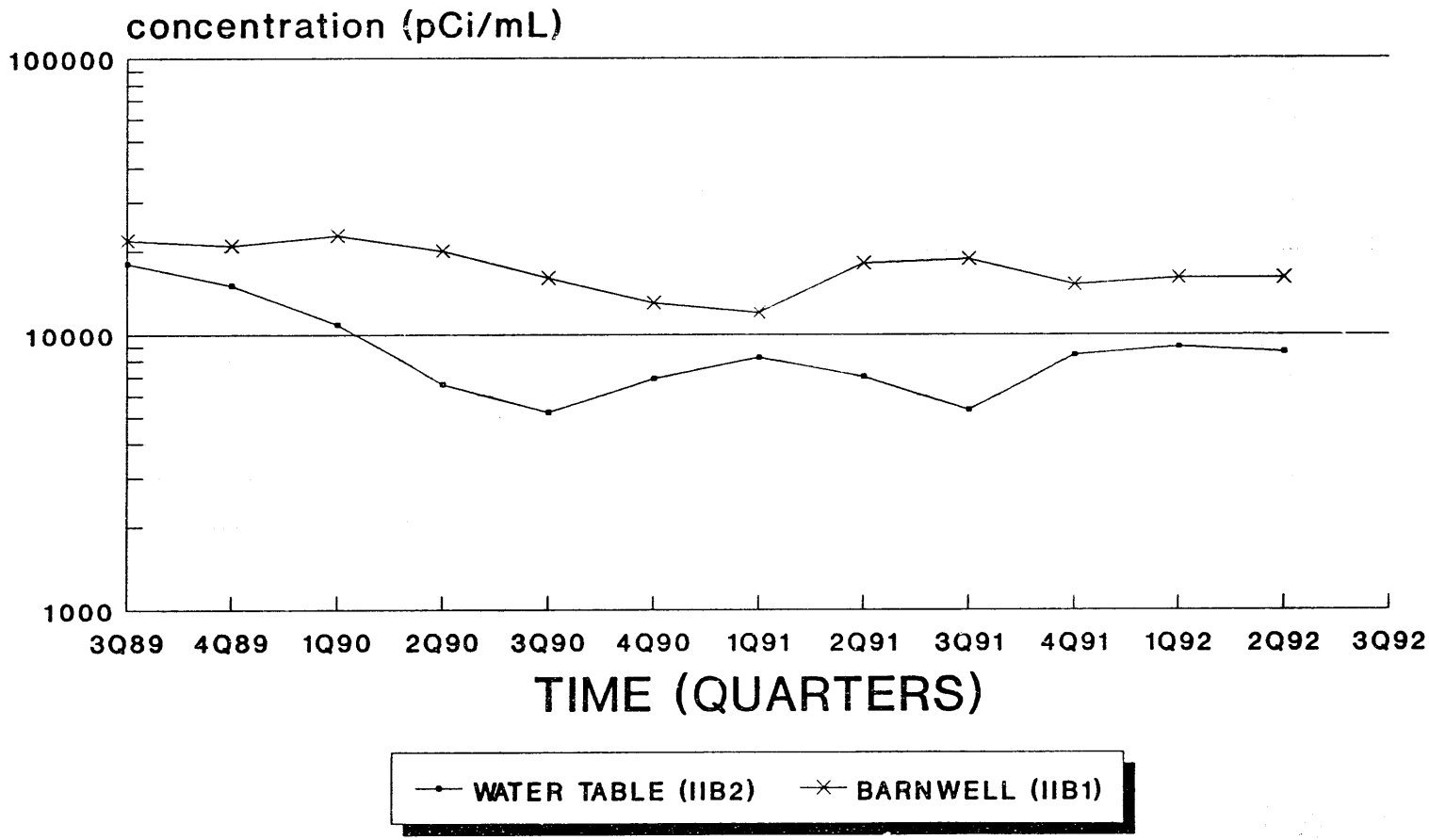
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB115

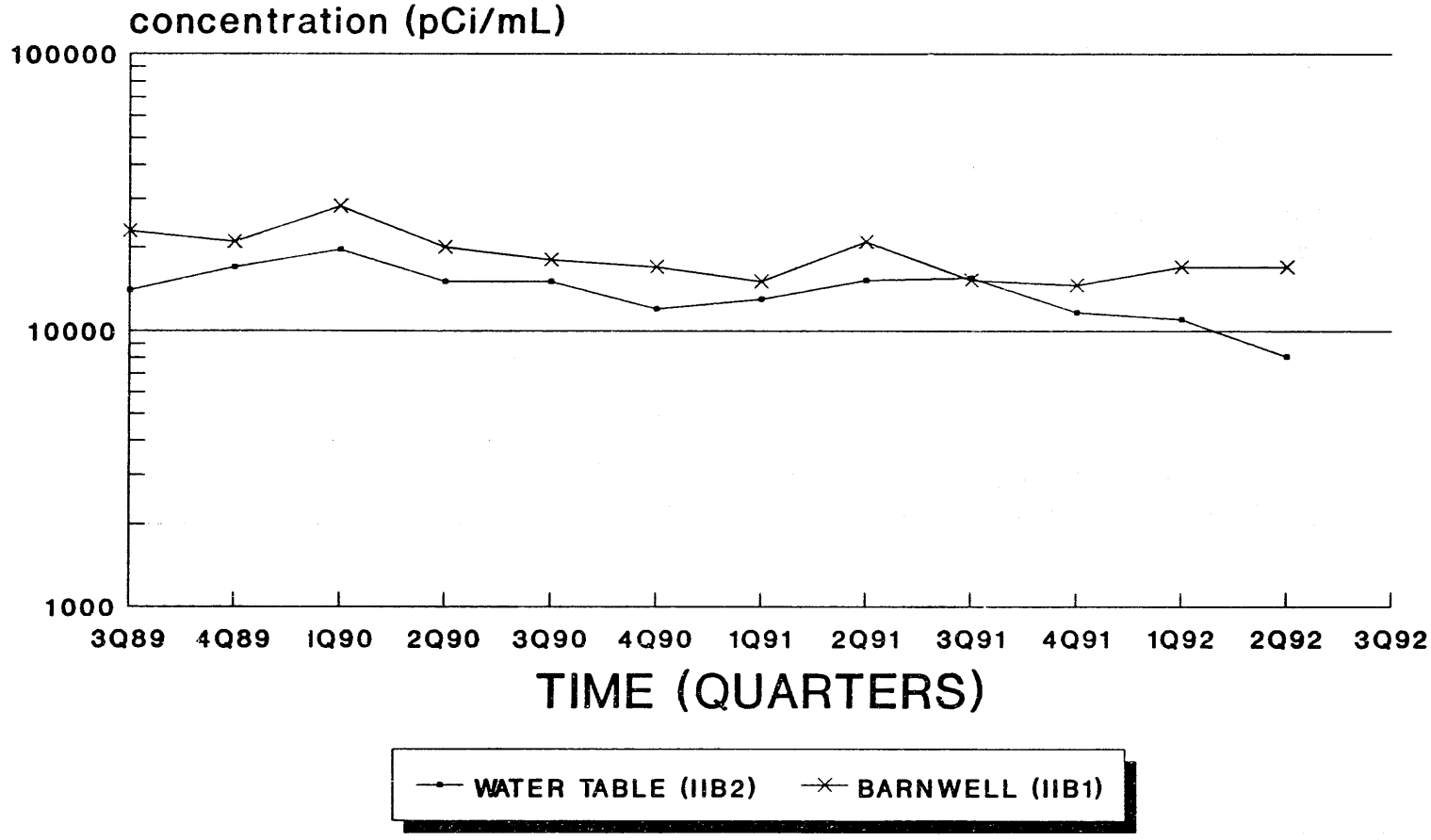
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB116

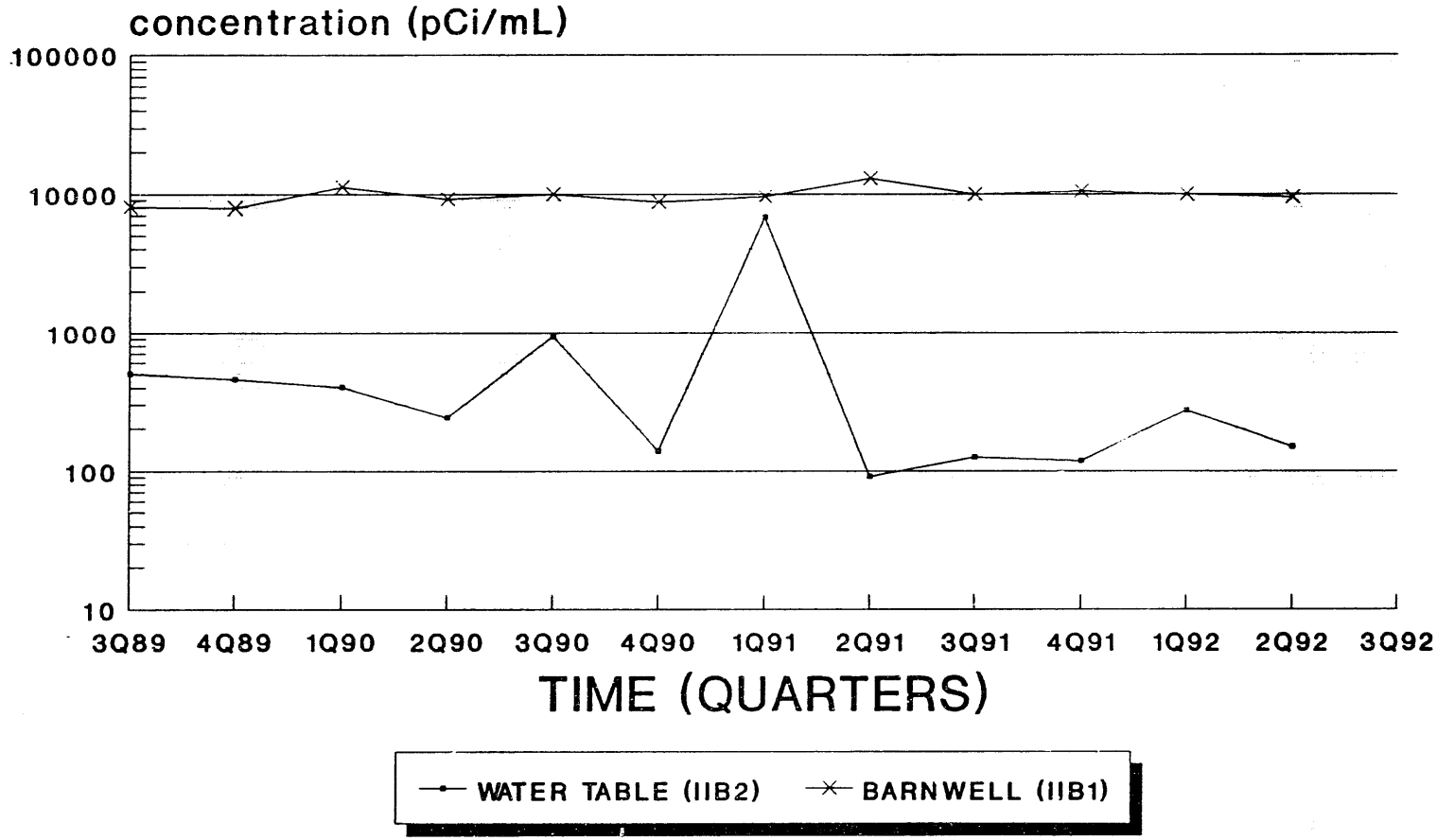
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

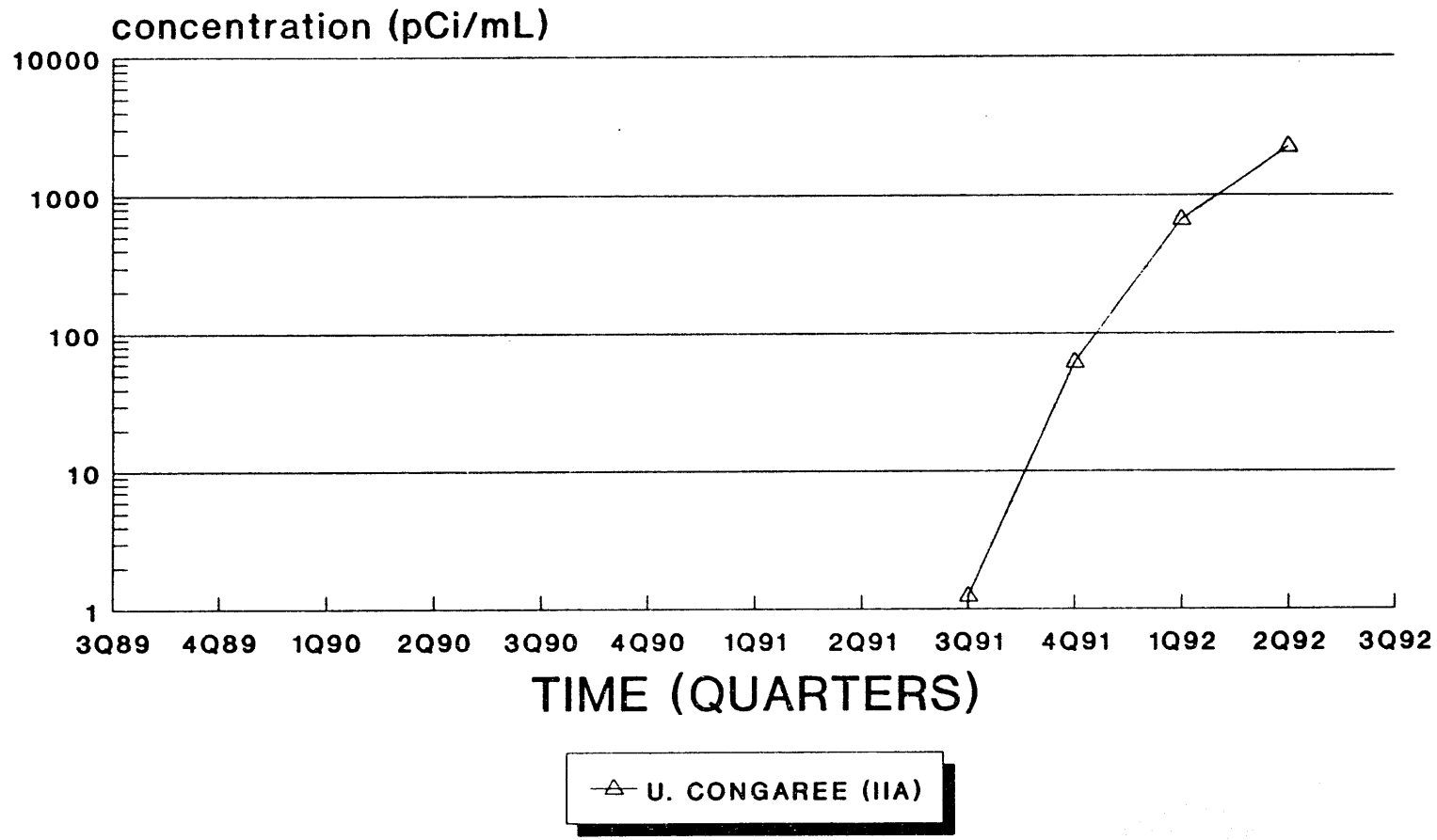
CLUSTER - HSB117

Tritium



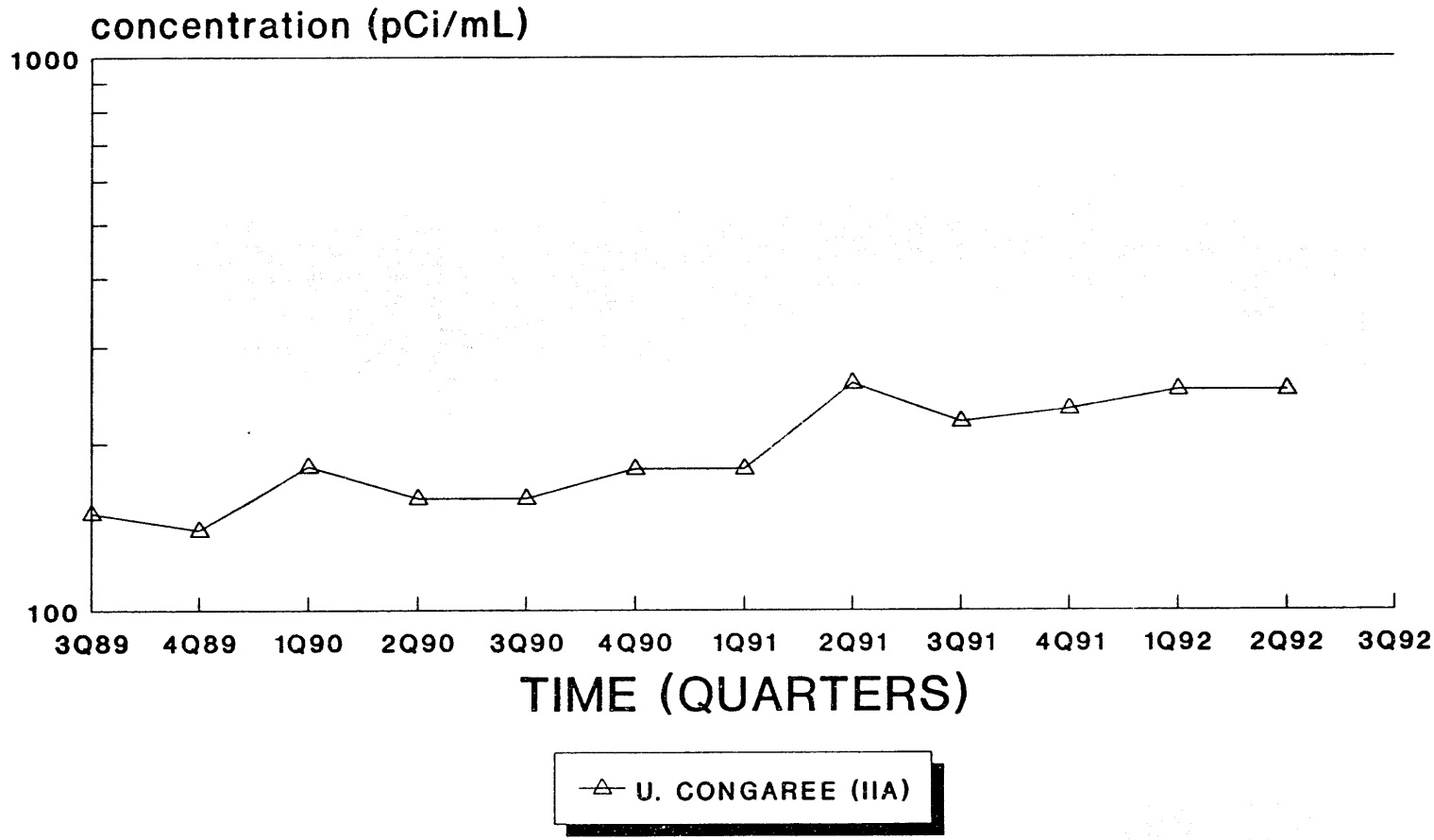
PDWS 20 pCi/mL
empty space denotes no data or dry well

HSB118A
Tritium



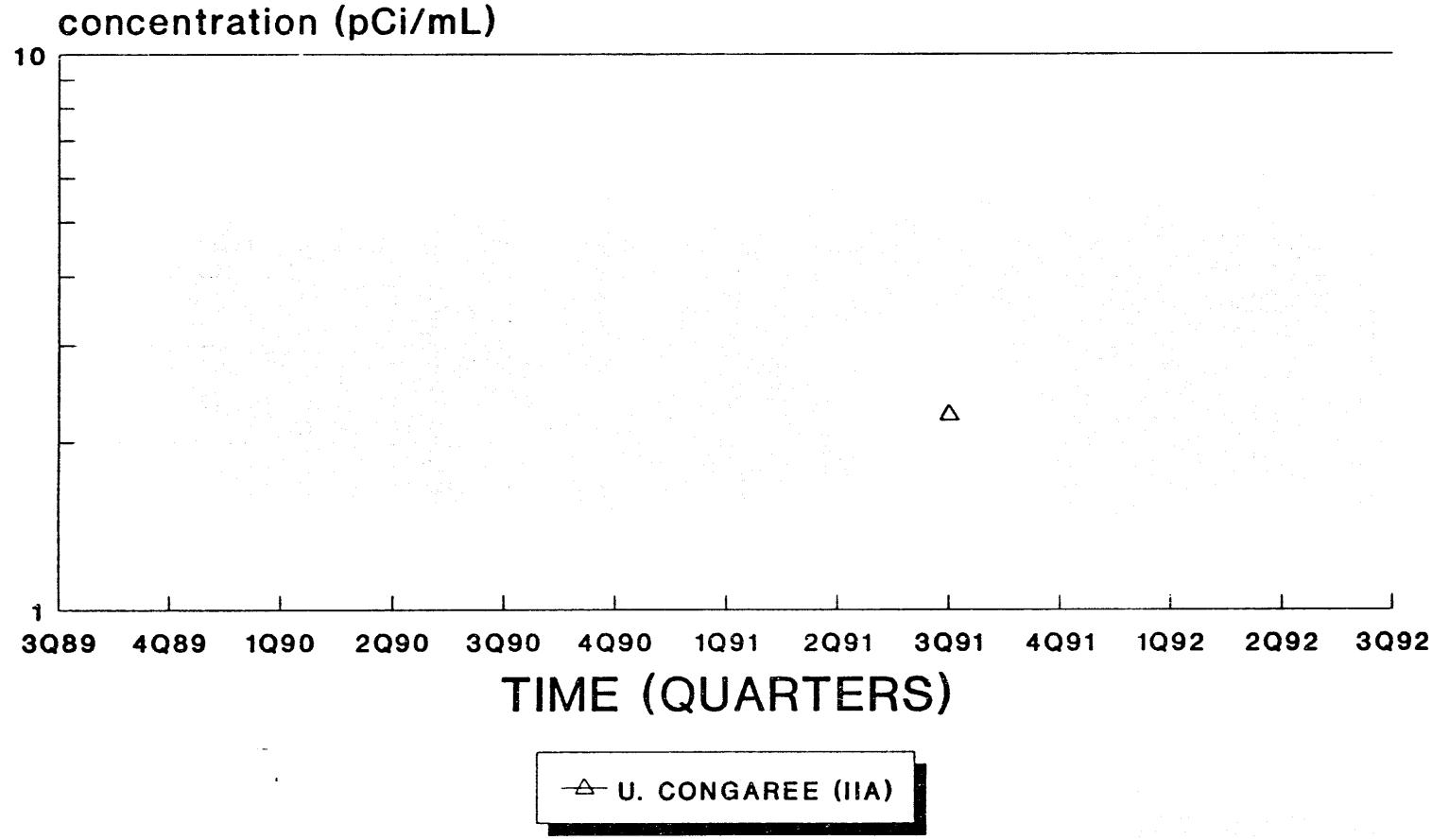
PDWS 20 pCi/mL
empty space denotes no data or dry well

HSB119A
Tritium



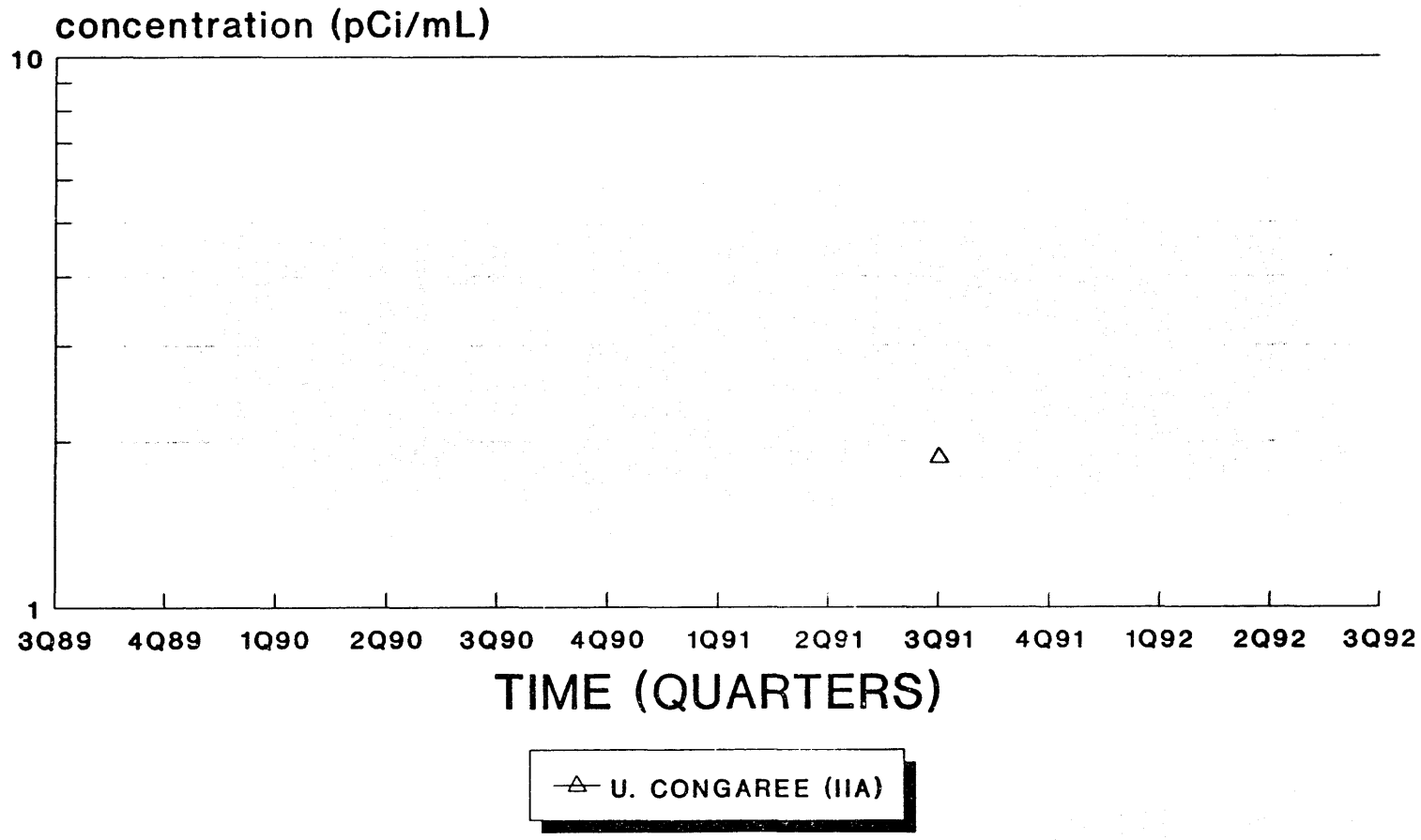
PDWS 20 pCi/mL
empty space denotes no data or dry well

HSB122A
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

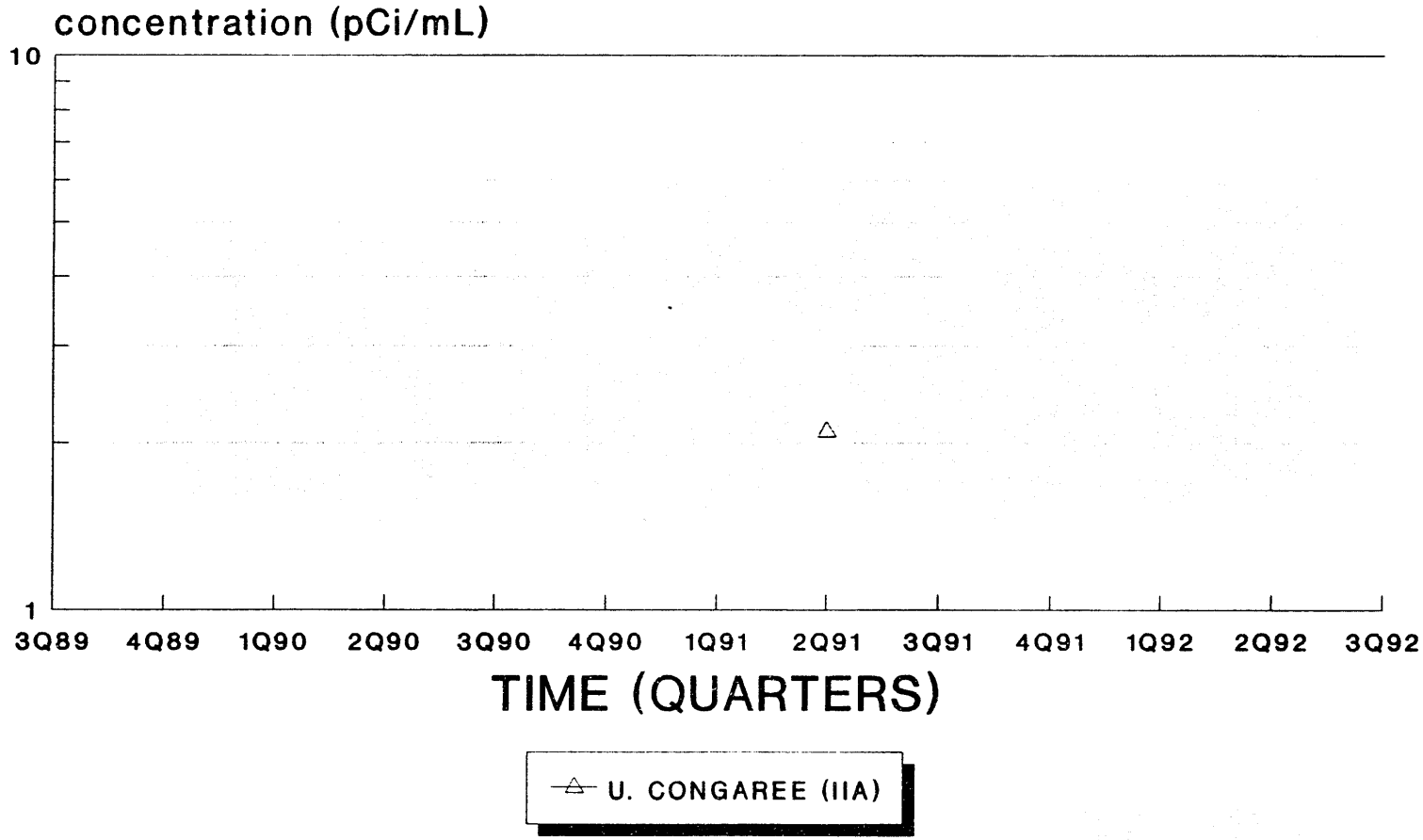
HSB123A
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB124

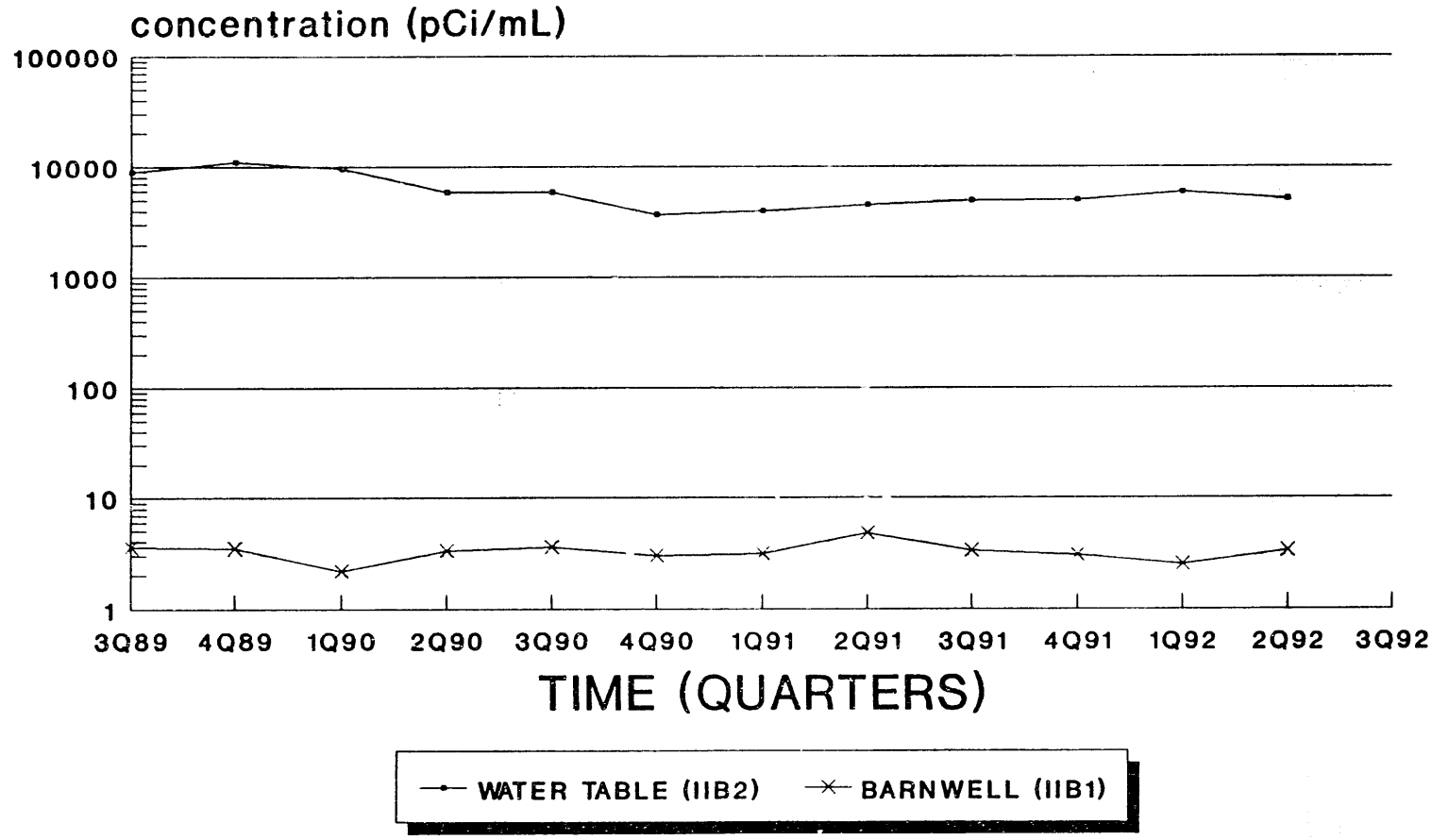
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB125

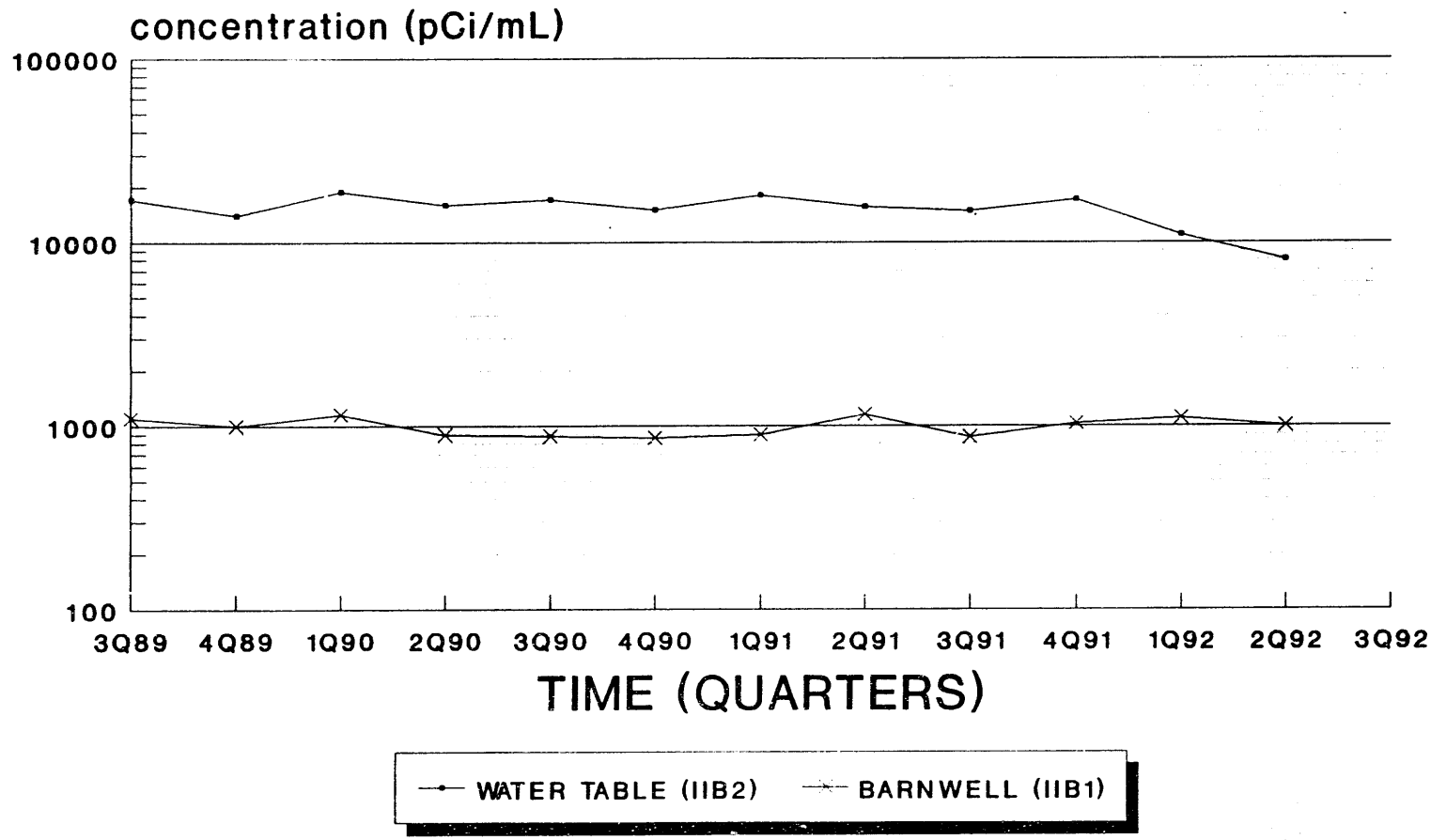
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB126

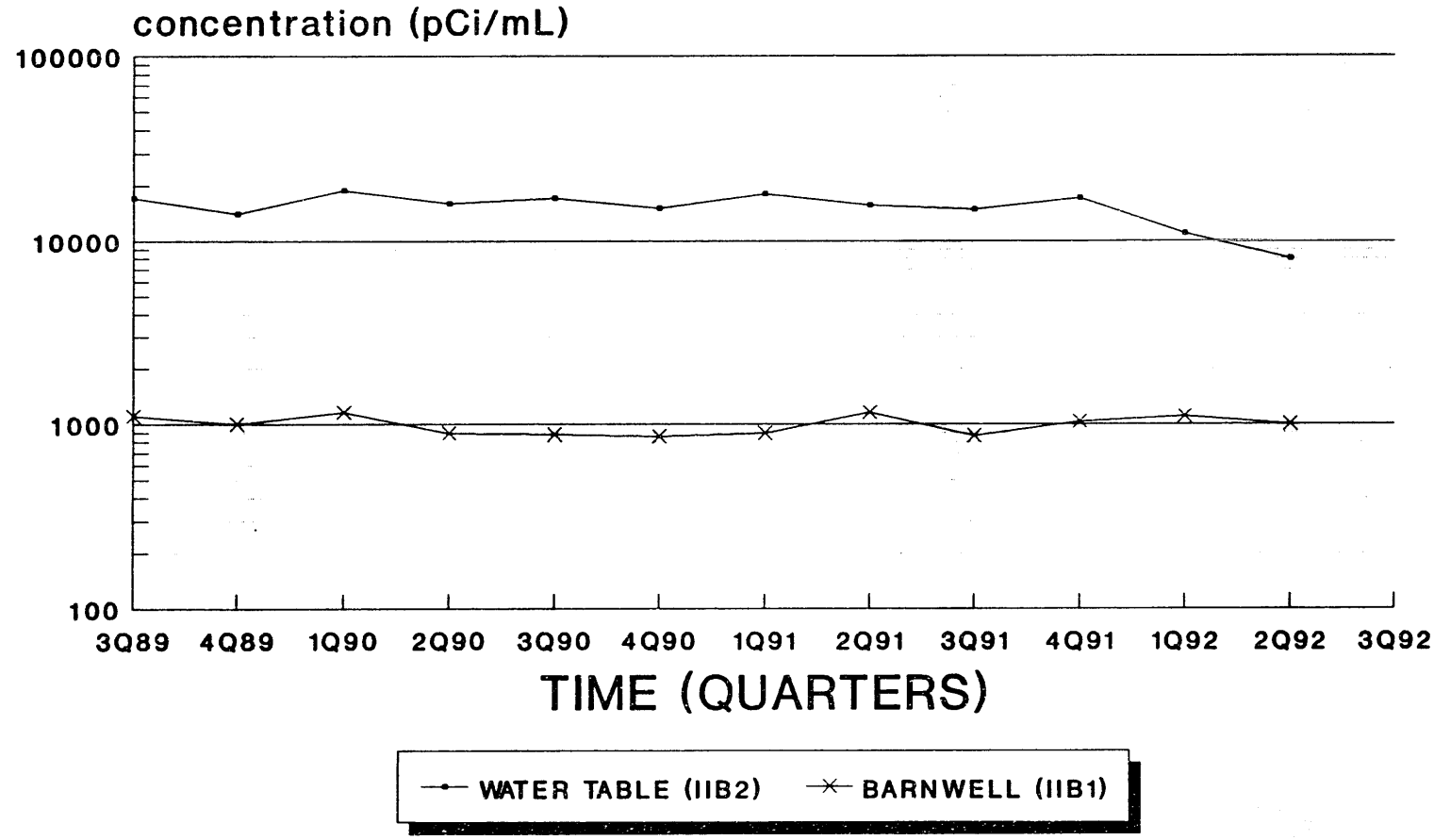
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB127

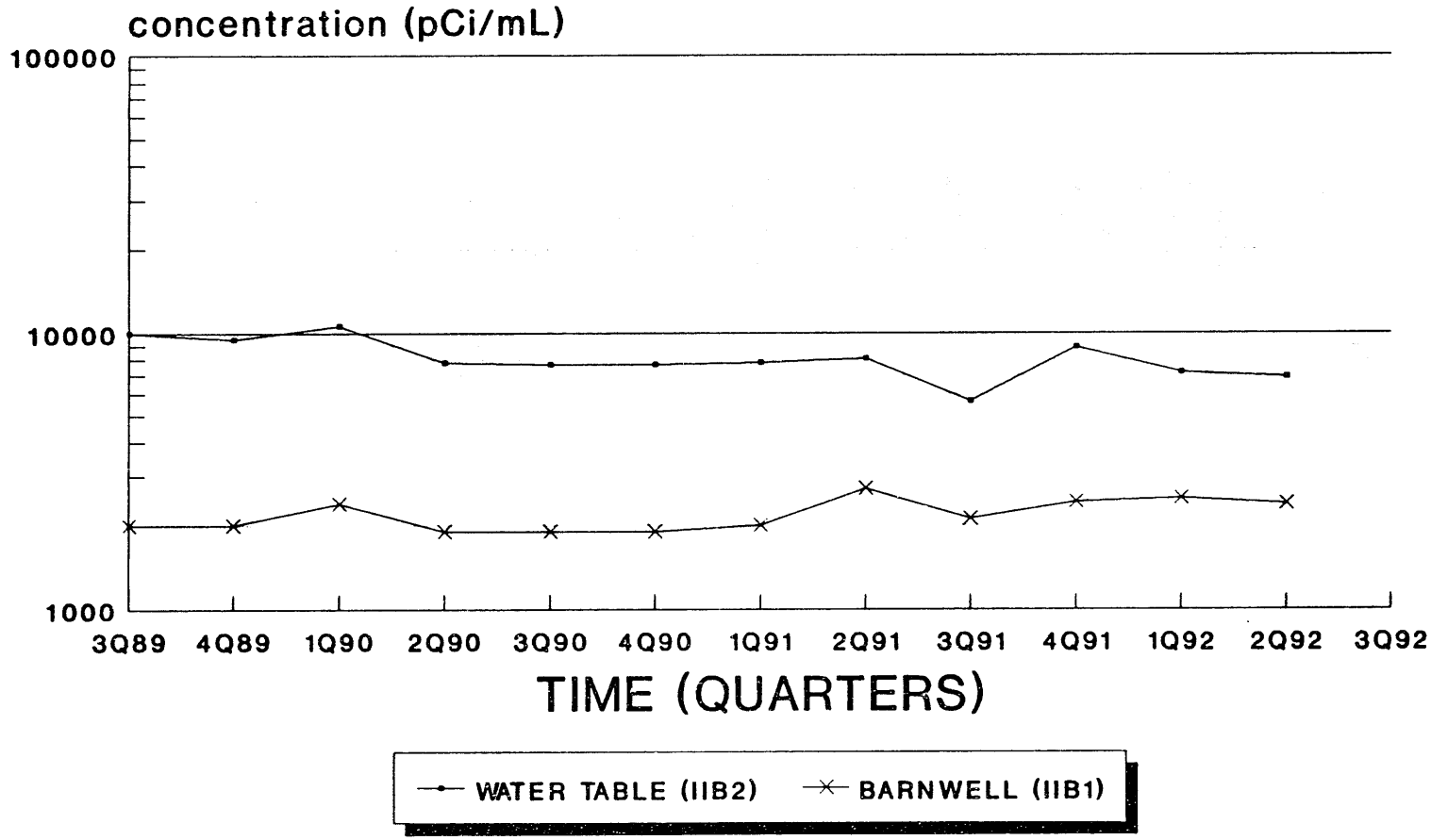
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB129

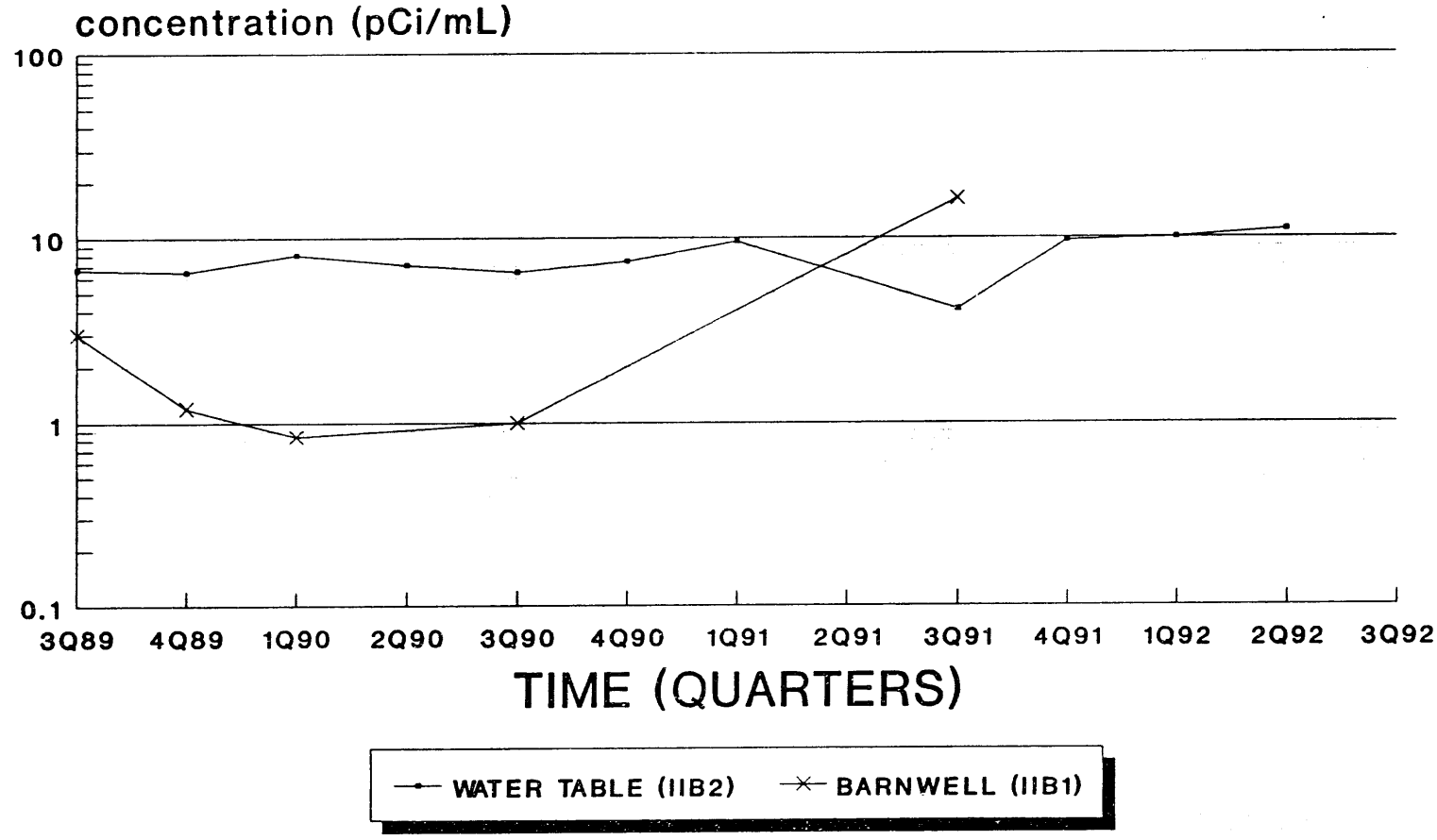
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB130

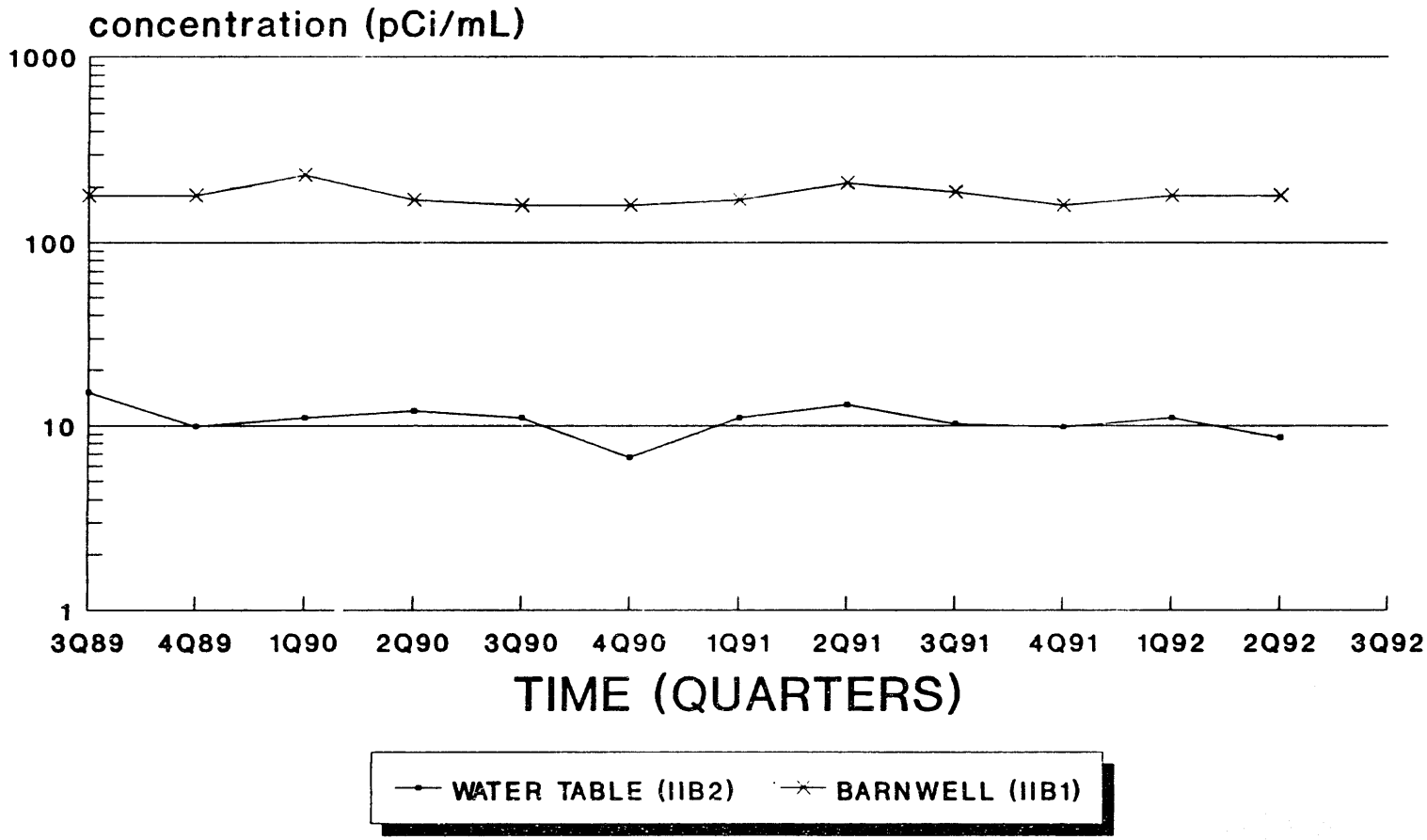
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB131

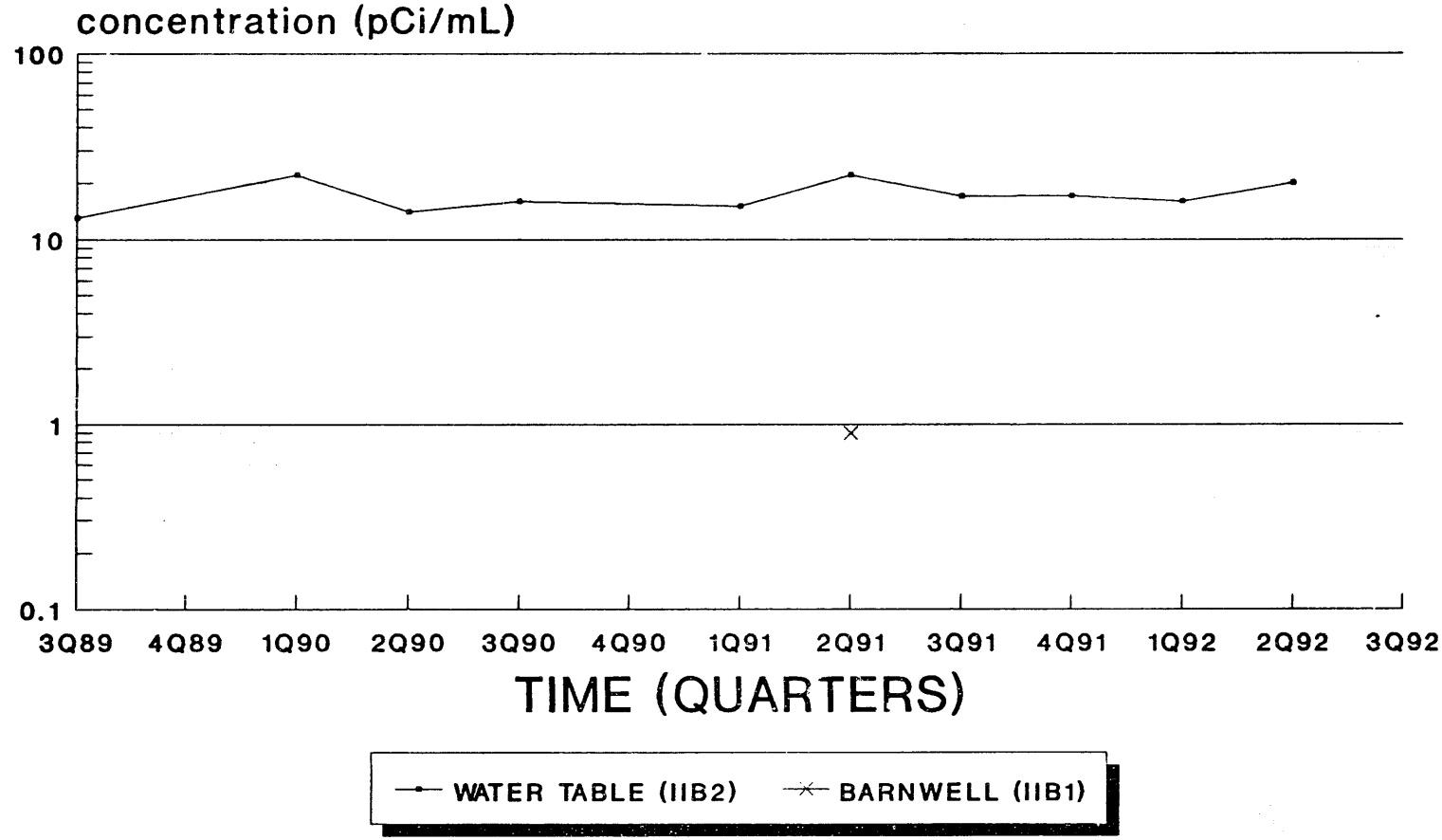
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB132

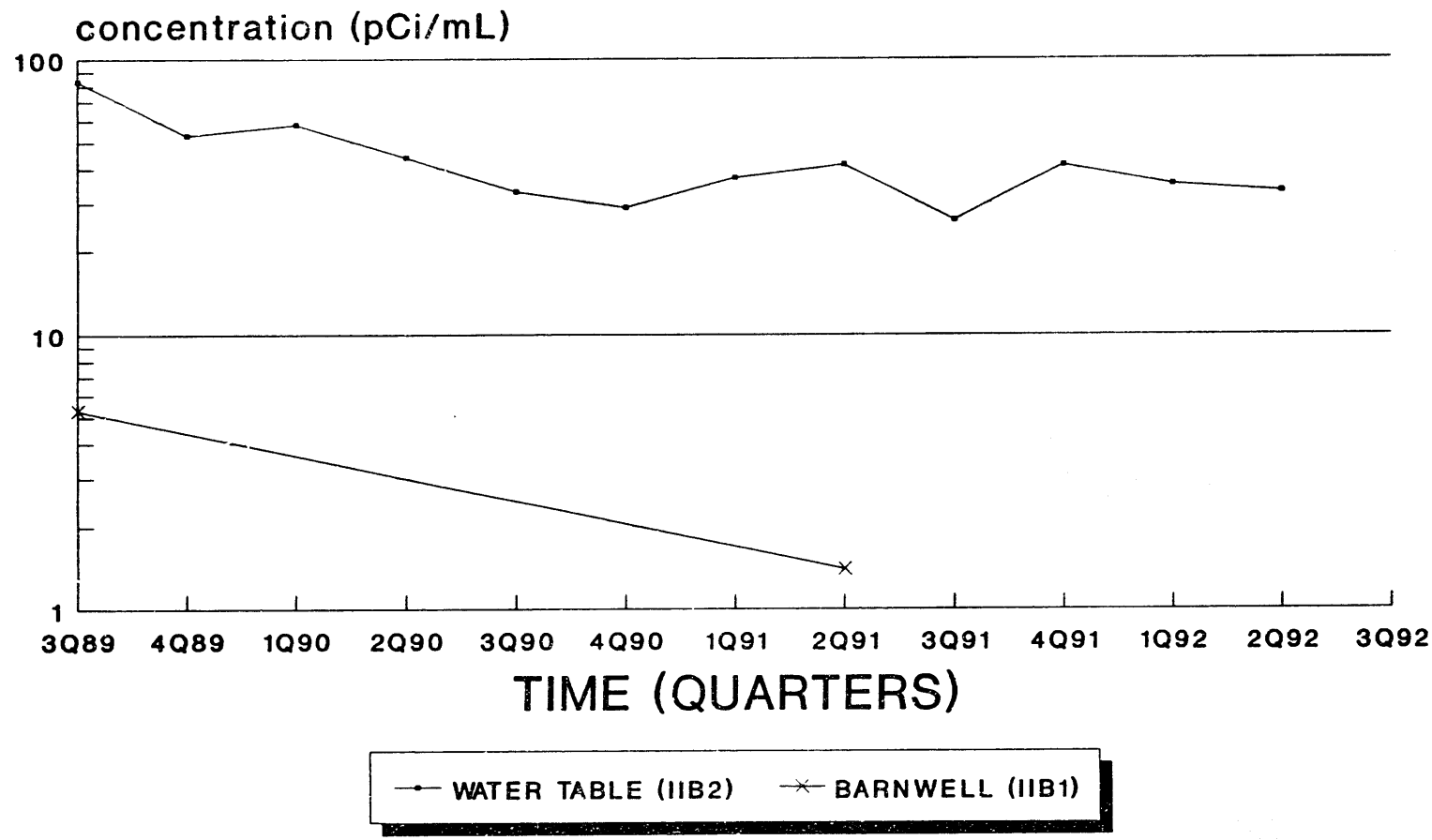
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB133

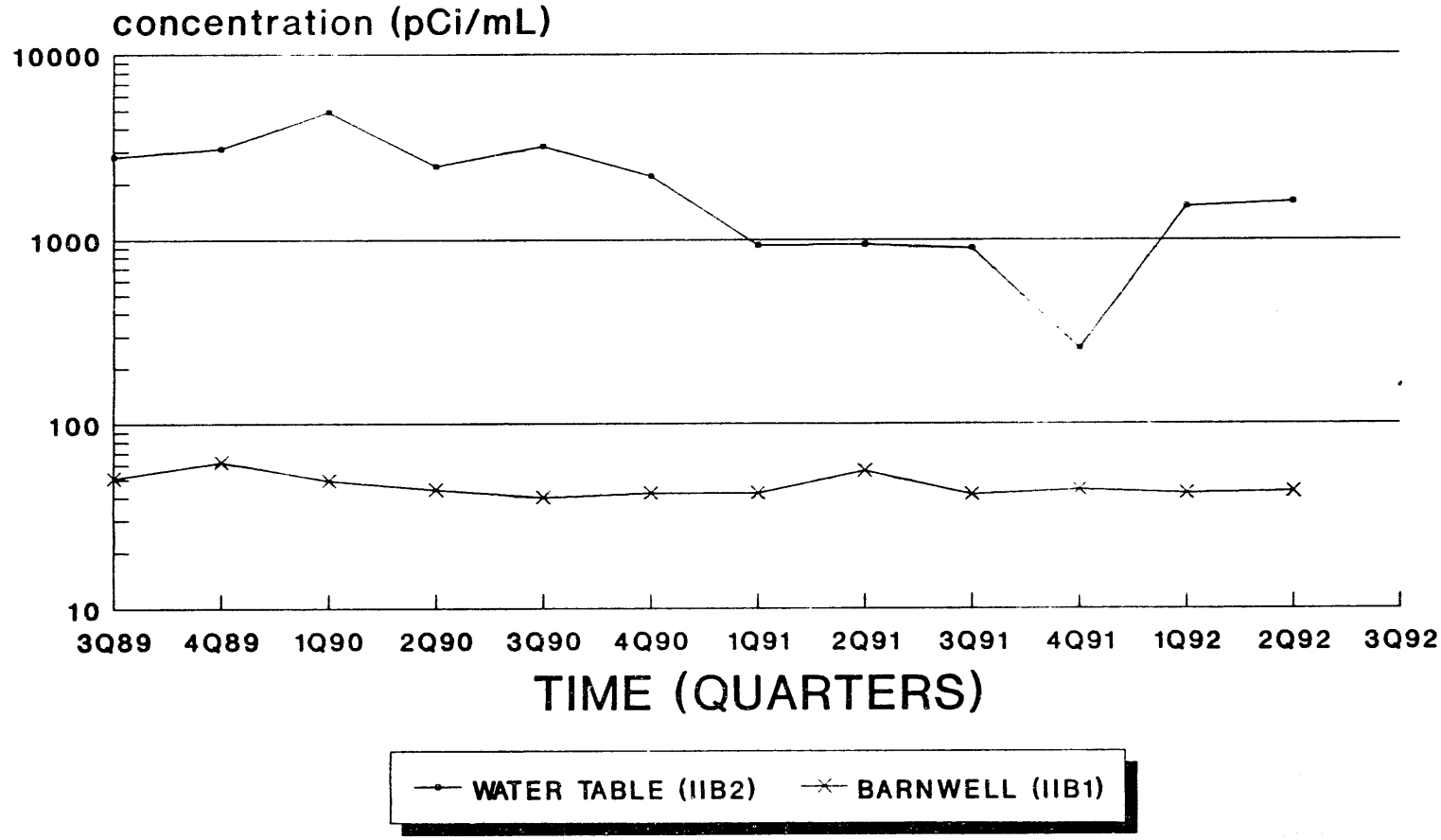
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB134

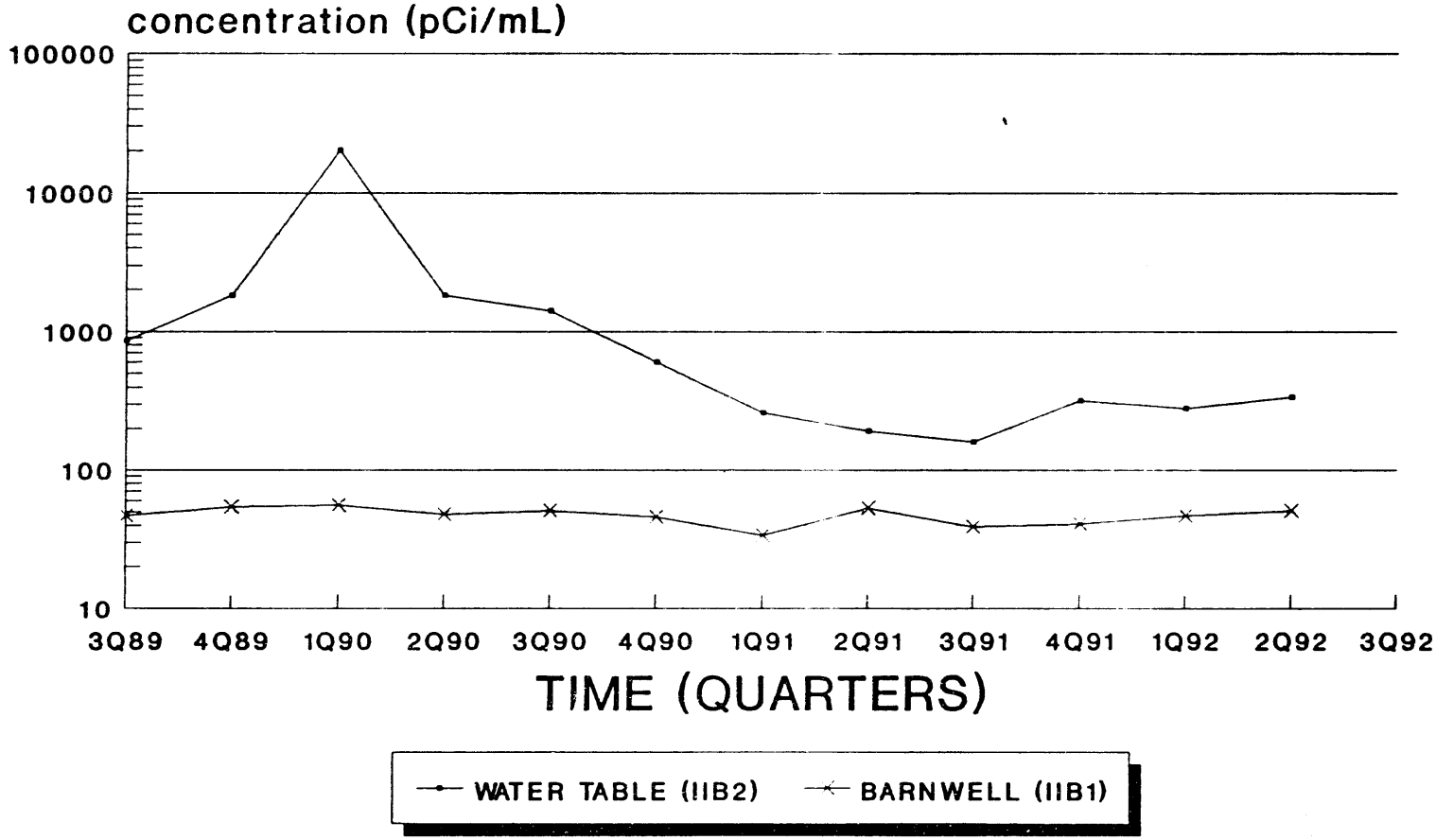
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB135

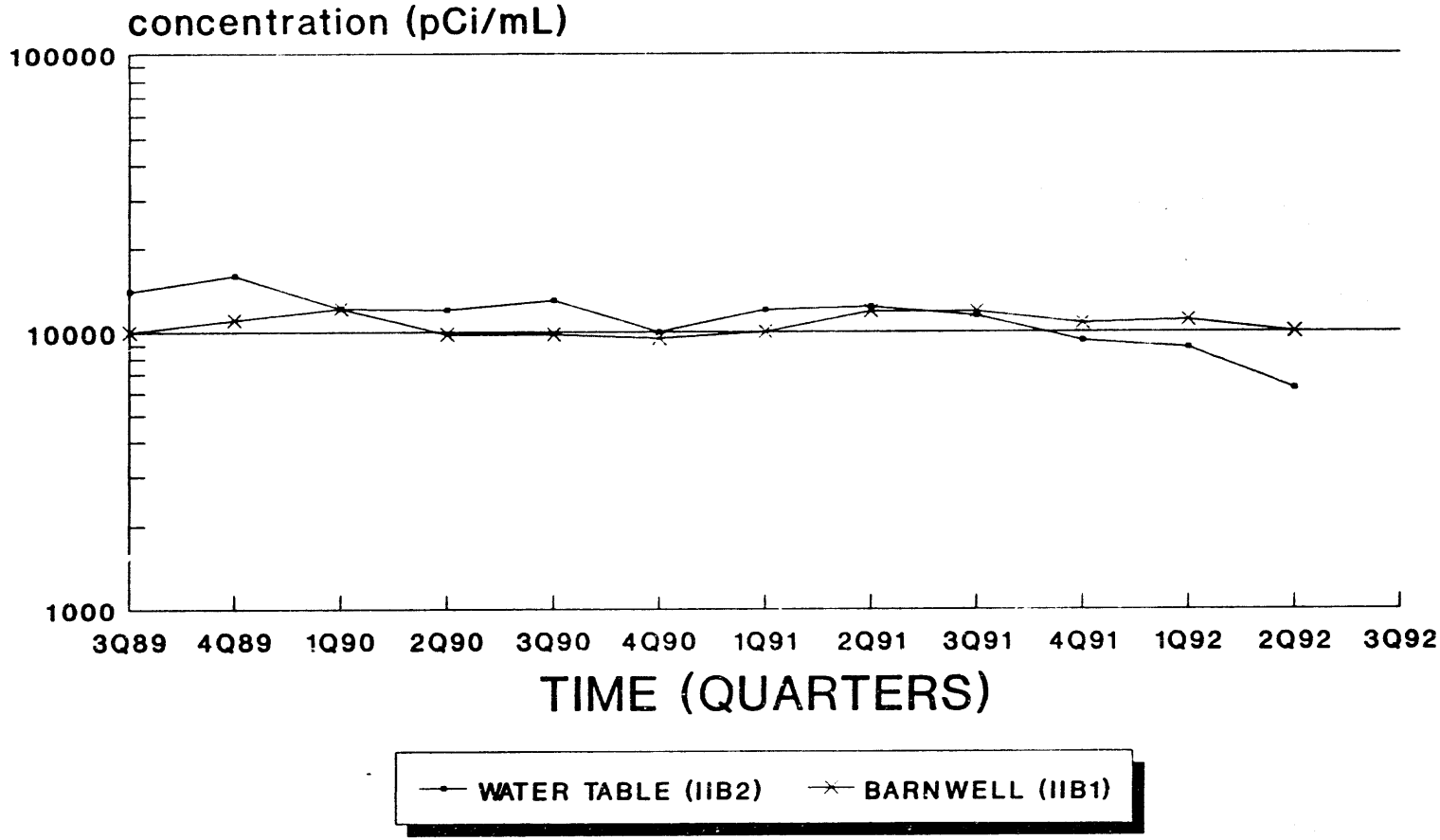
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB136

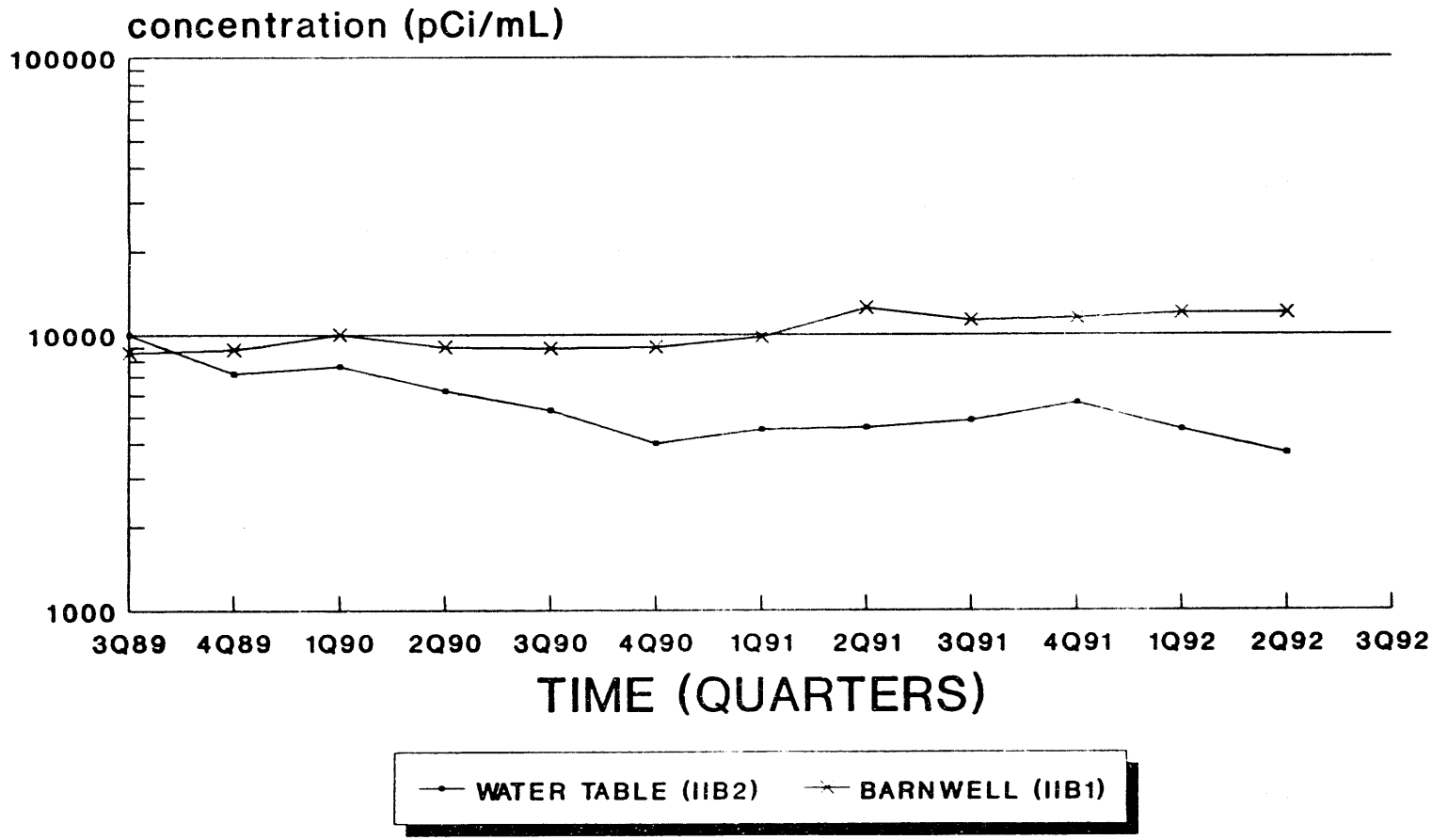
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

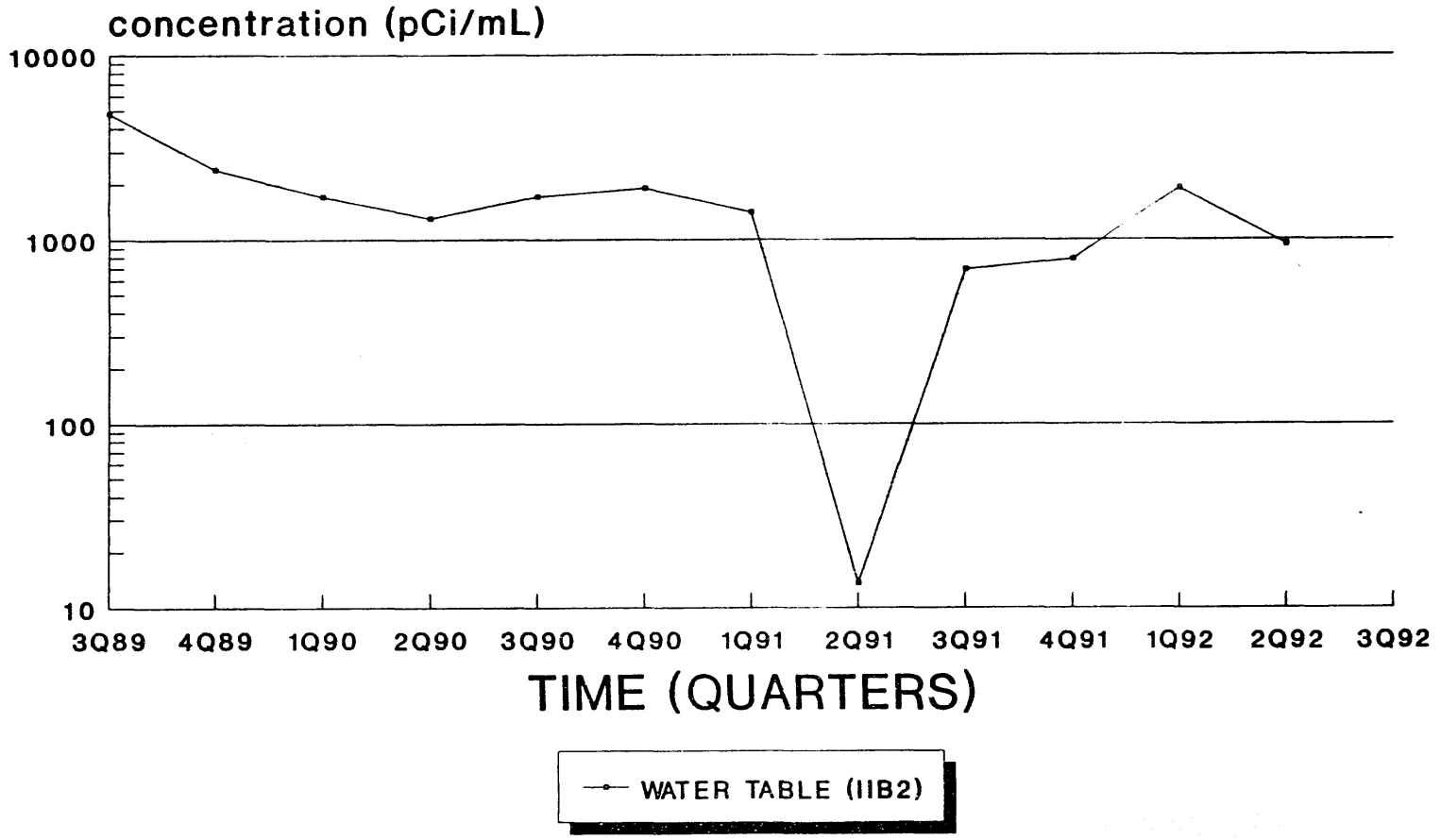
CLUSTER - HSB137

Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

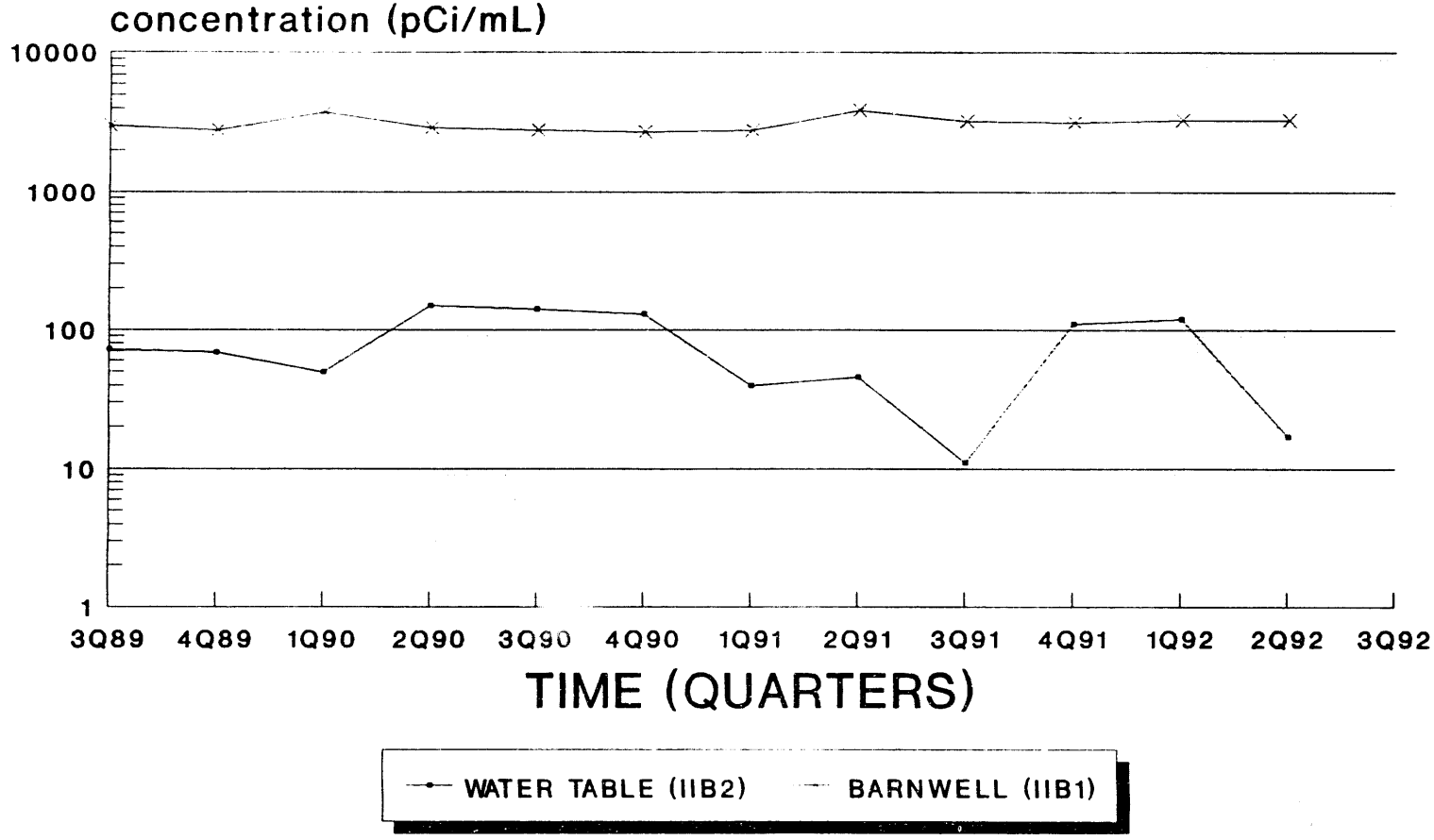
HSB138D
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB139

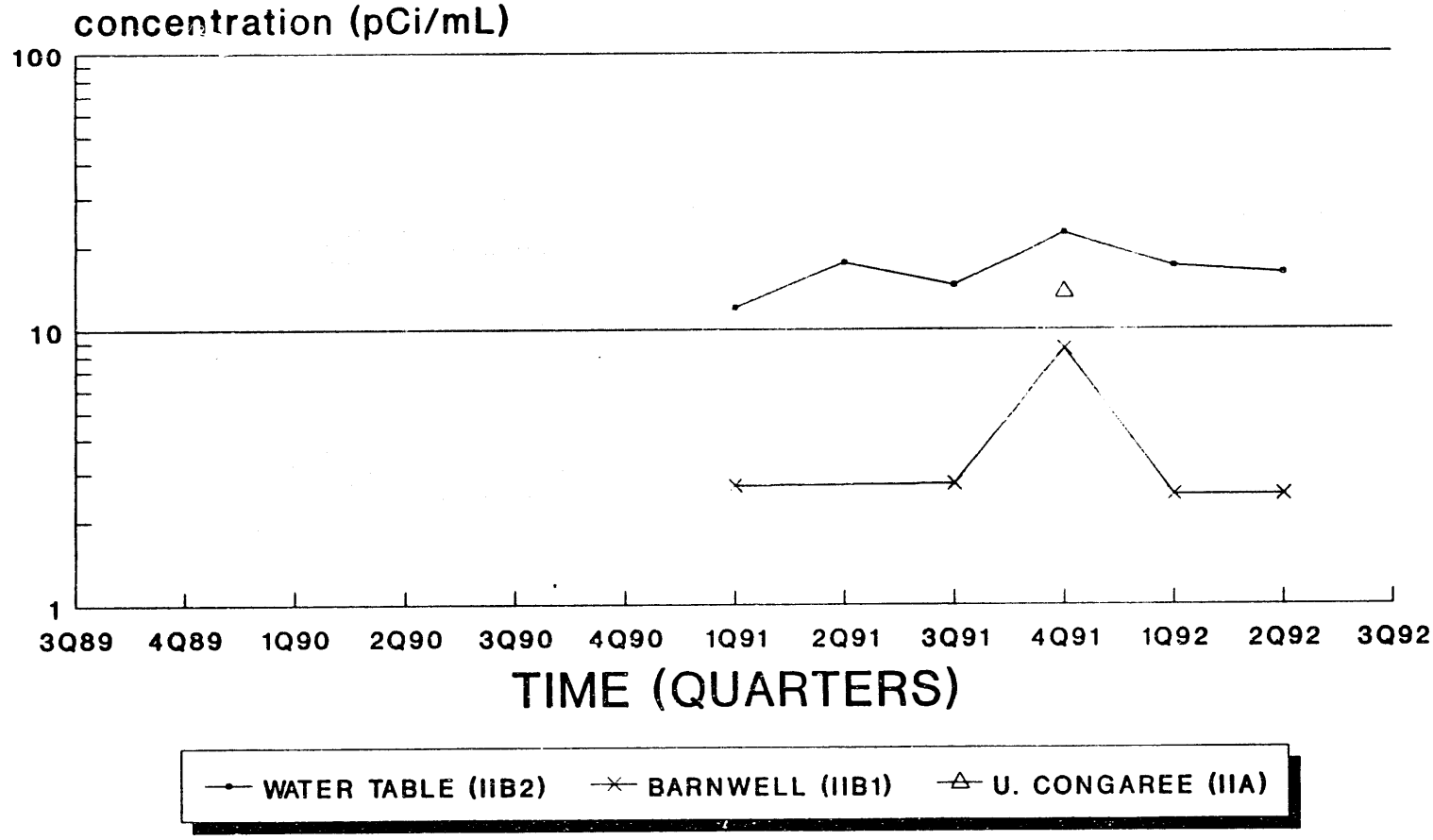
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB140

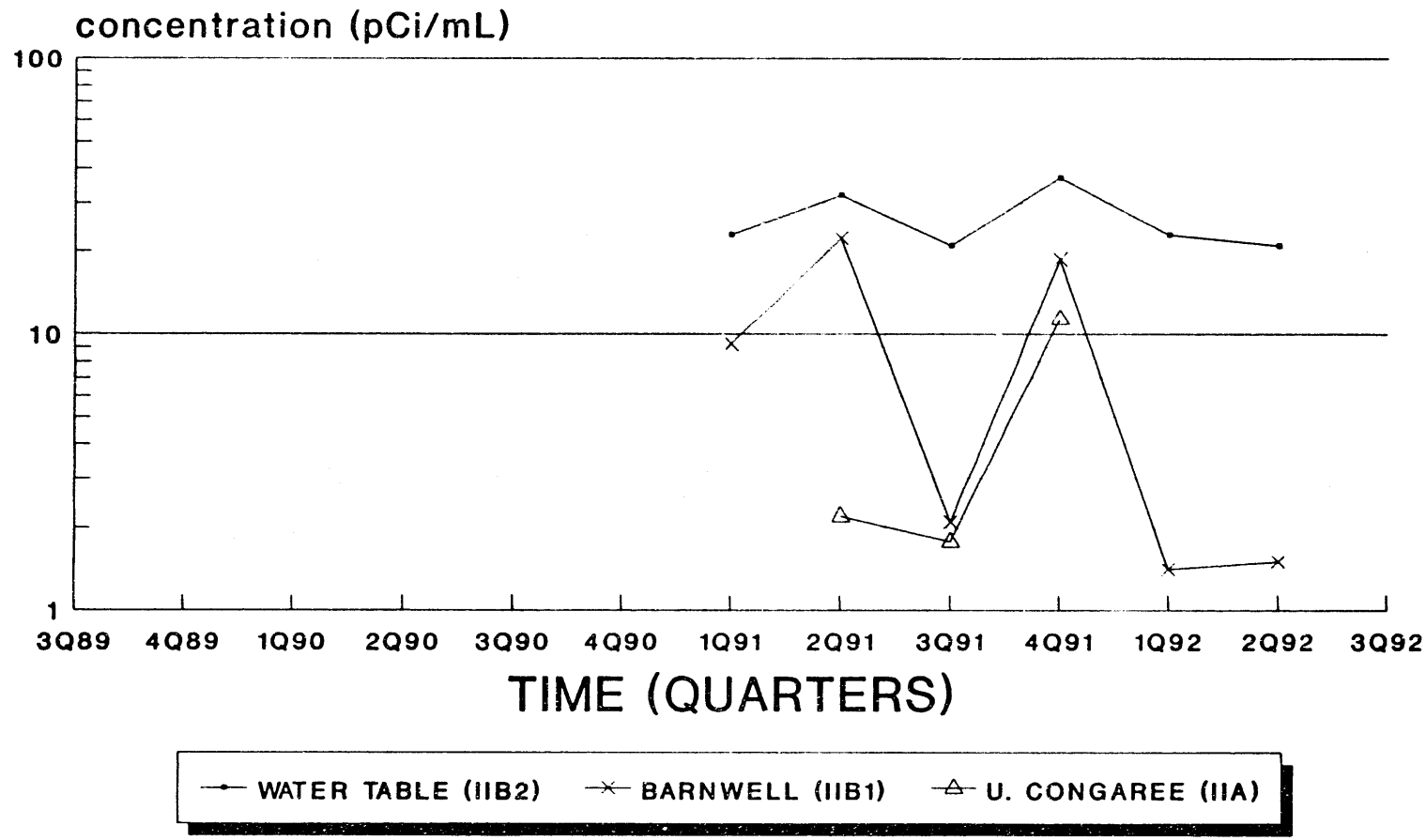
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB141

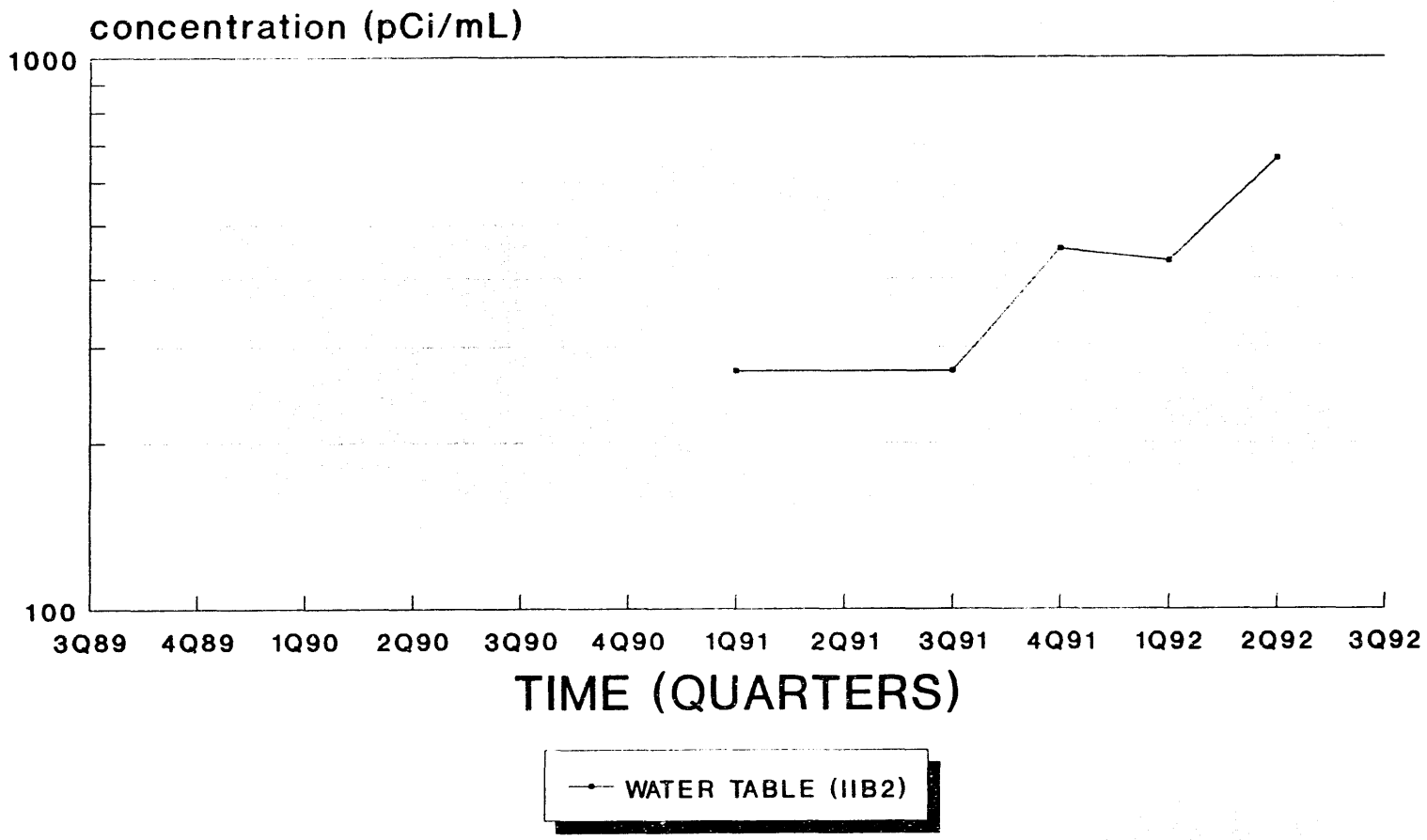
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB142

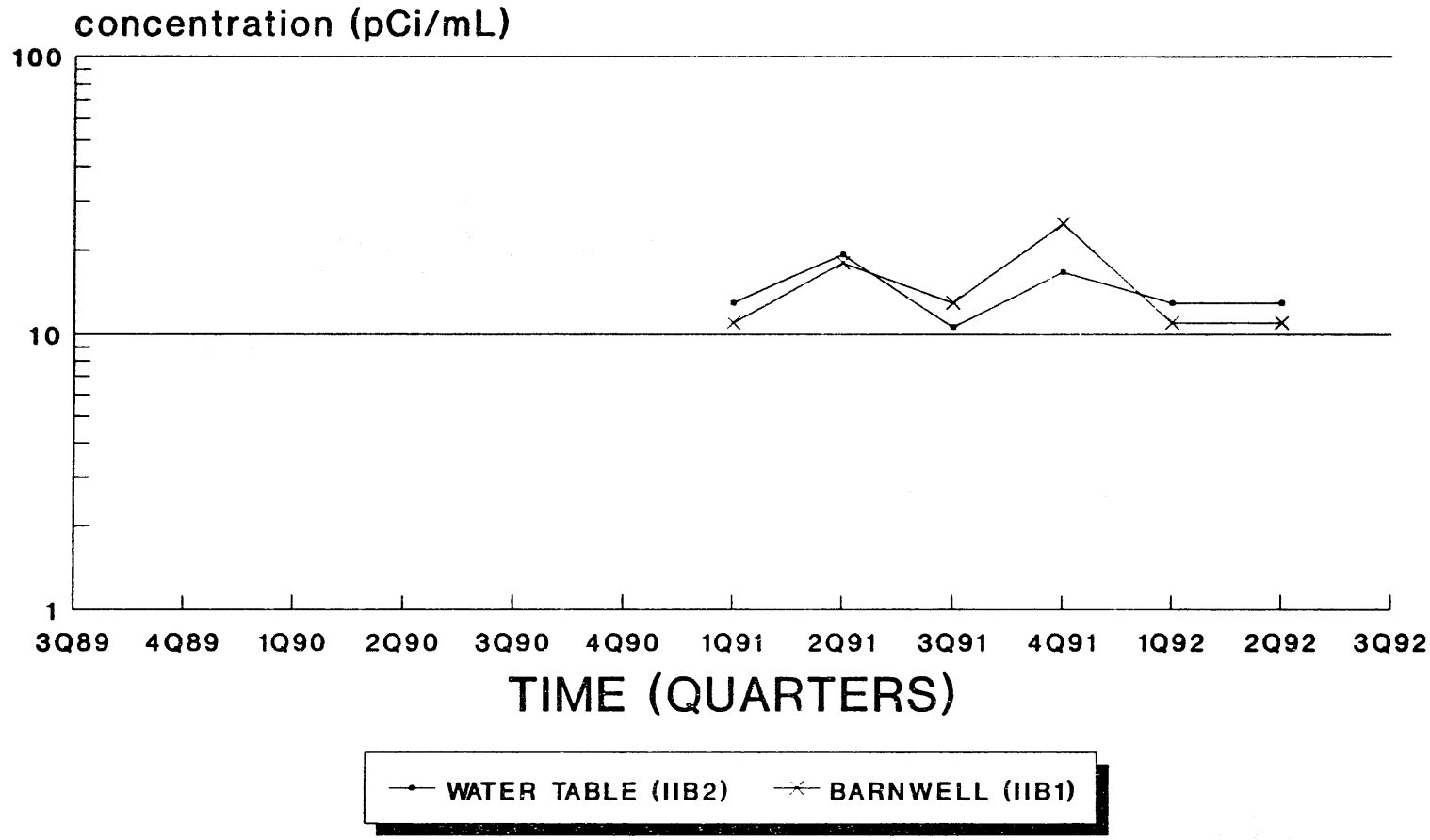
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

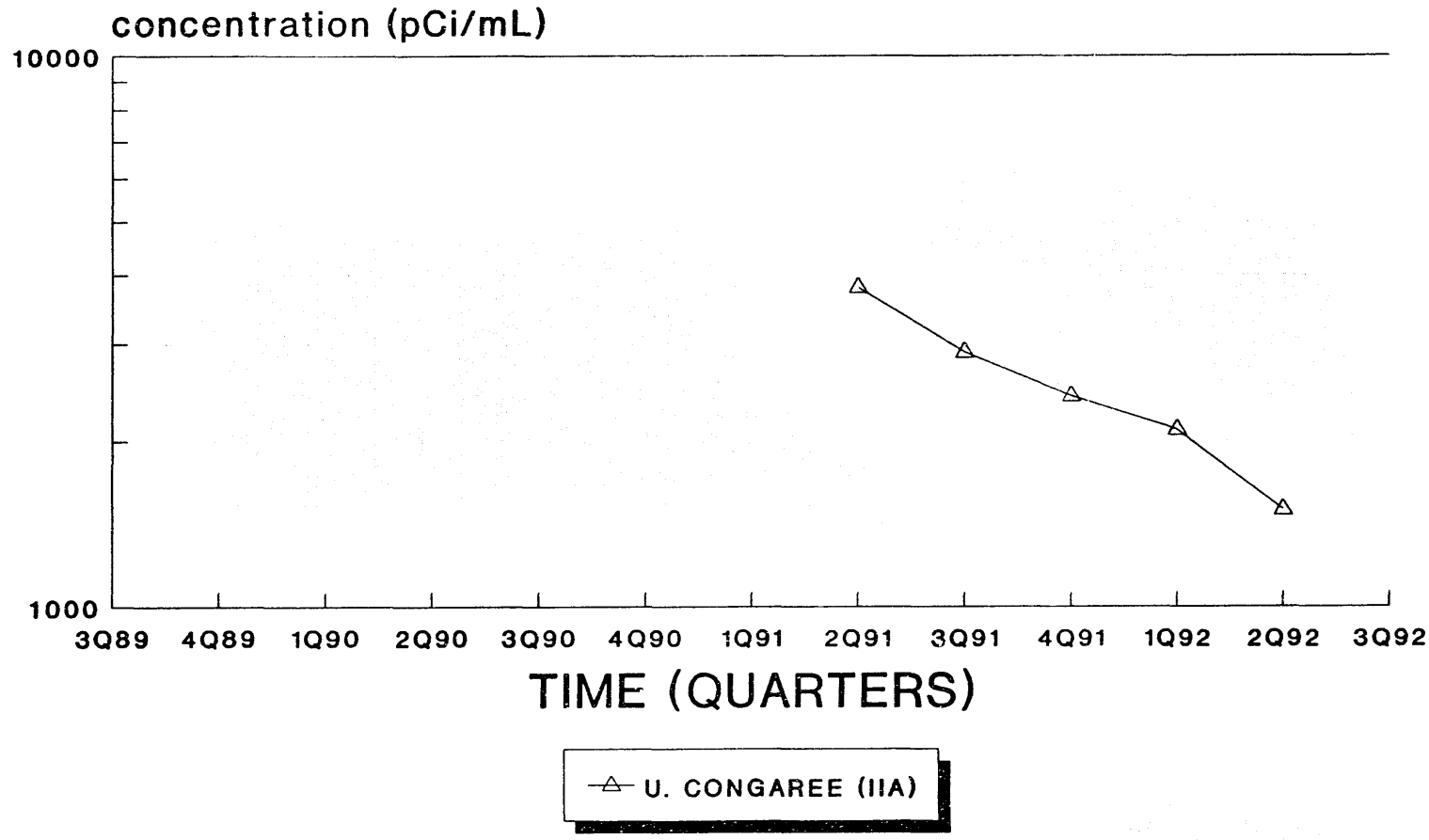
CLUSTER - HSB143

Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

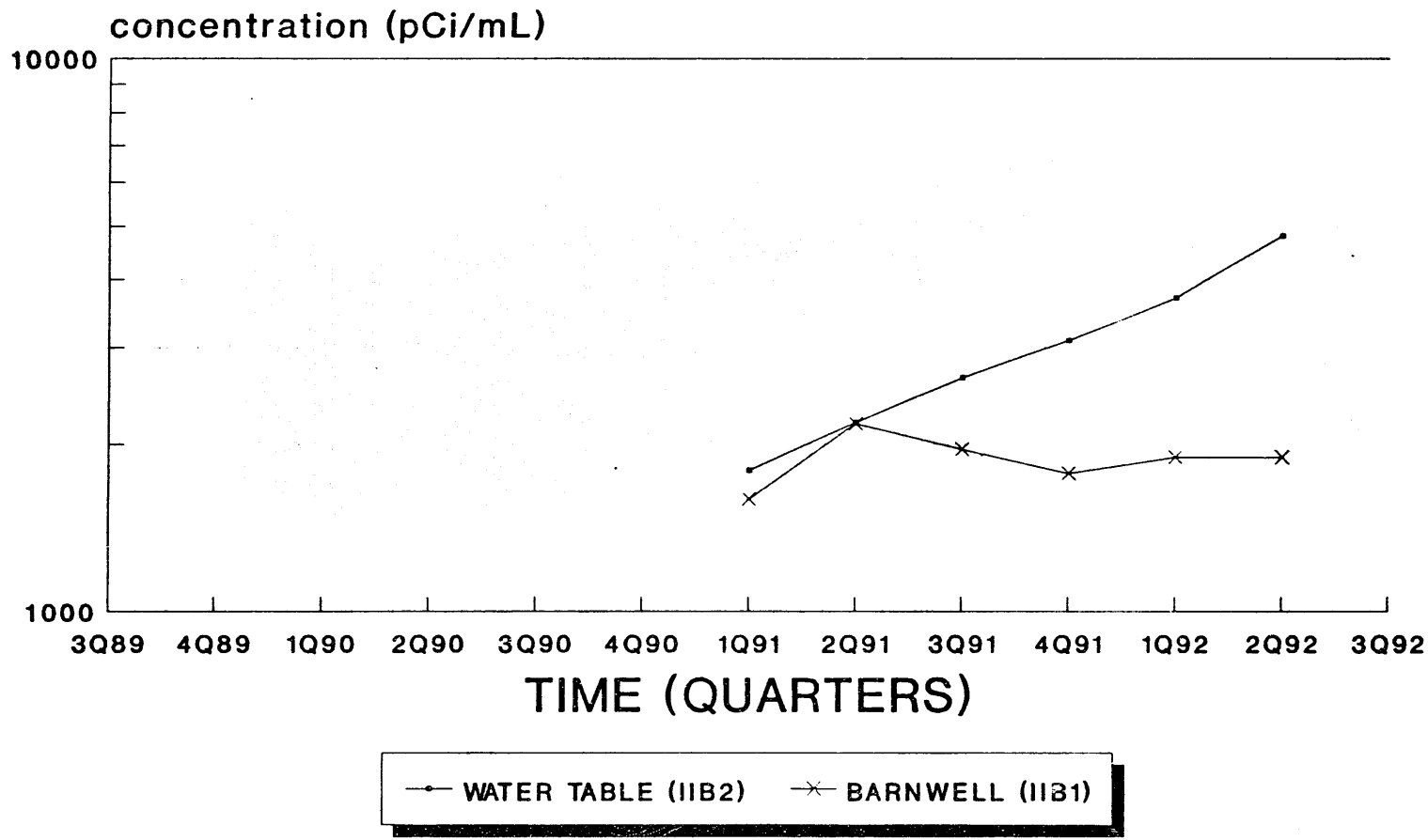
HSB144A
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB145

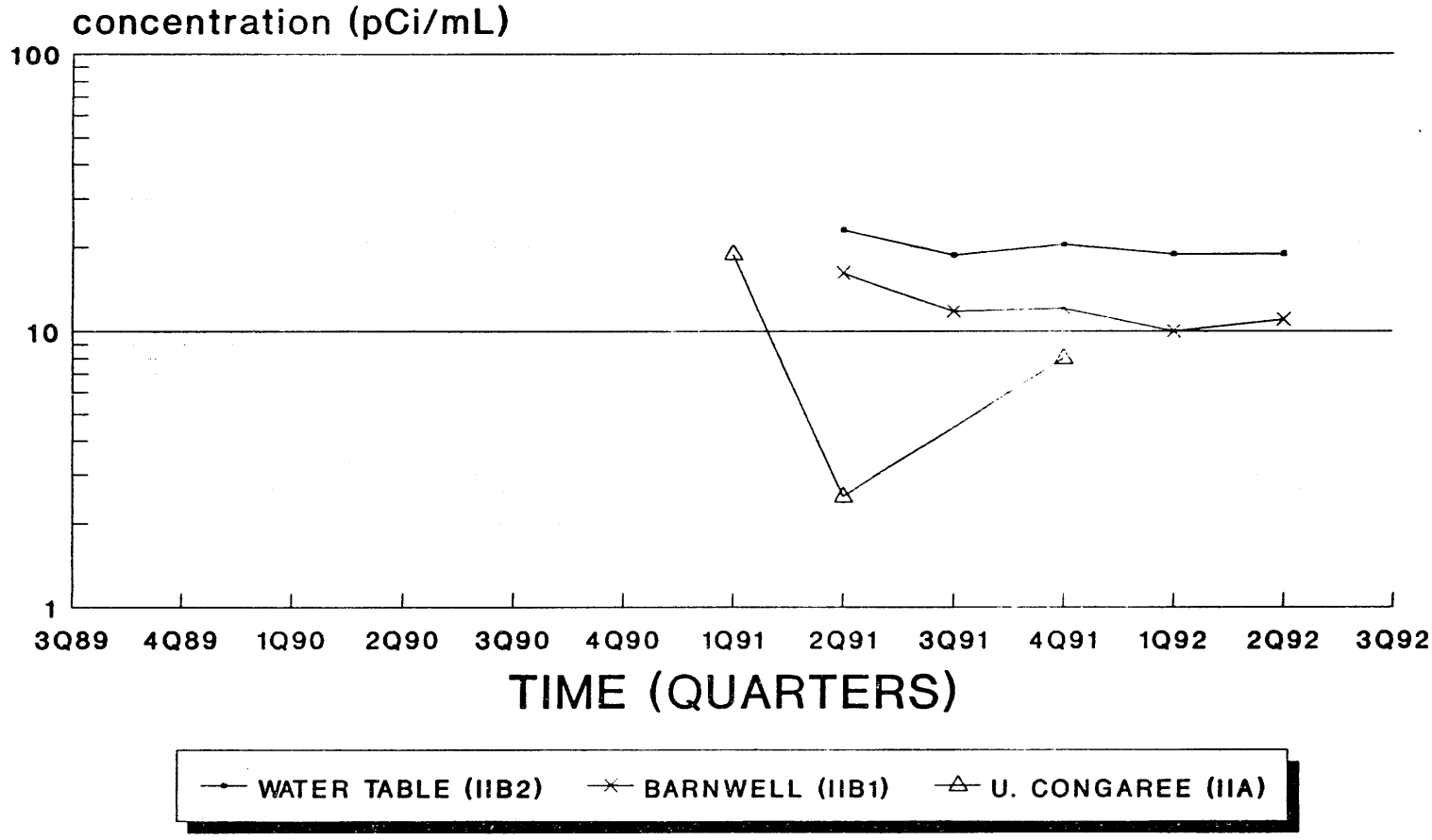
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

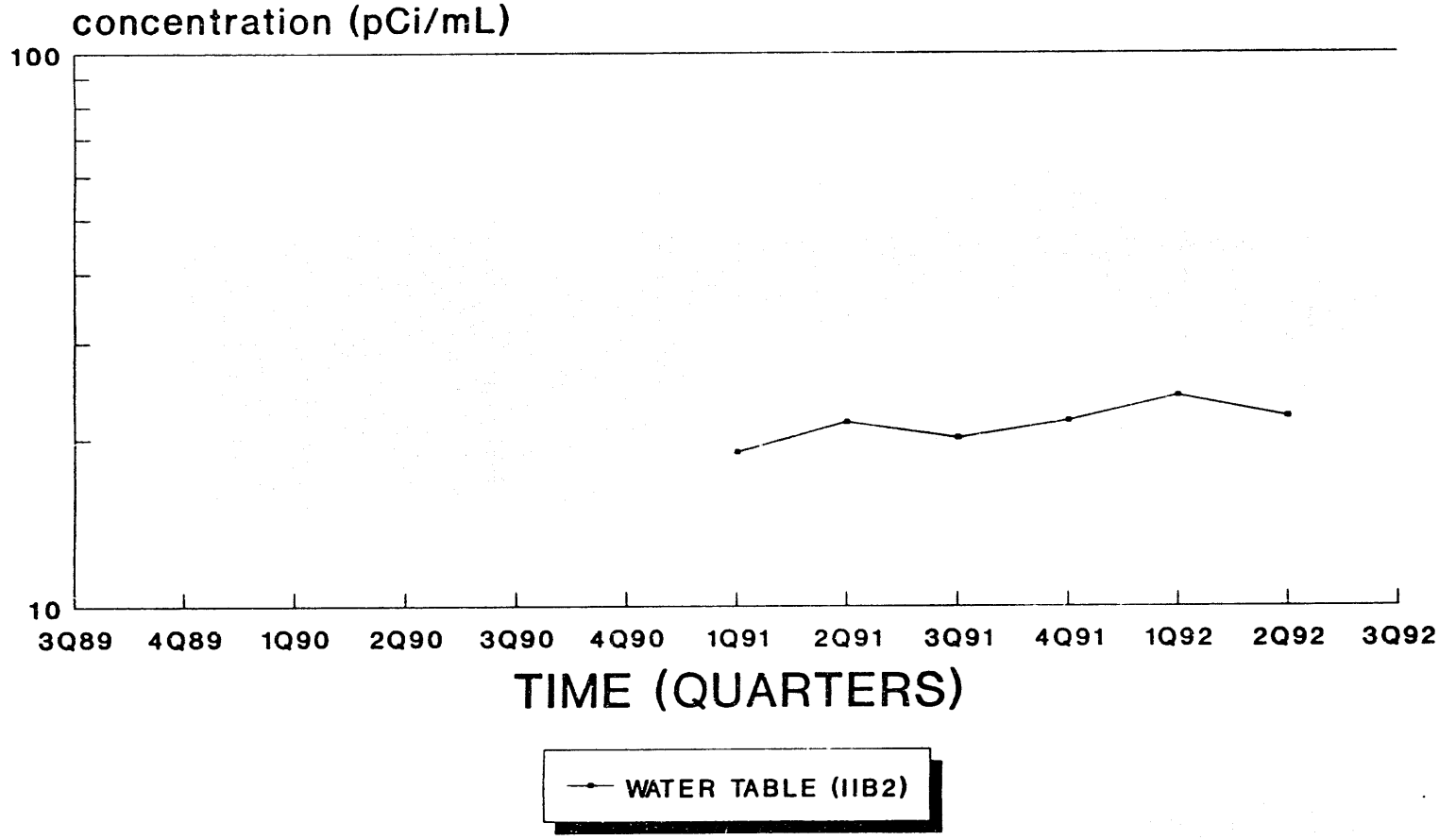
CLUSTER - HSB146

Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

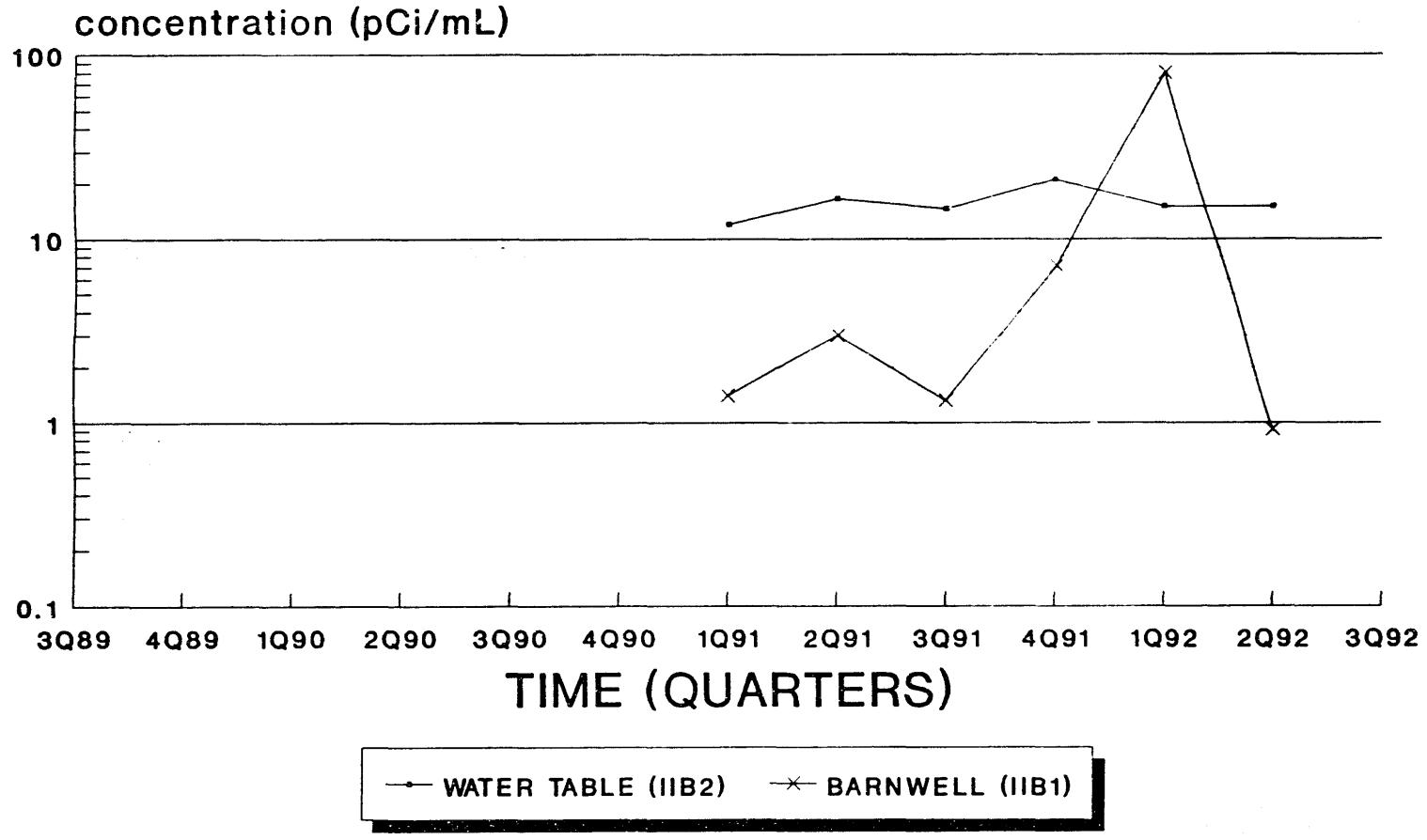
HSB147D
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

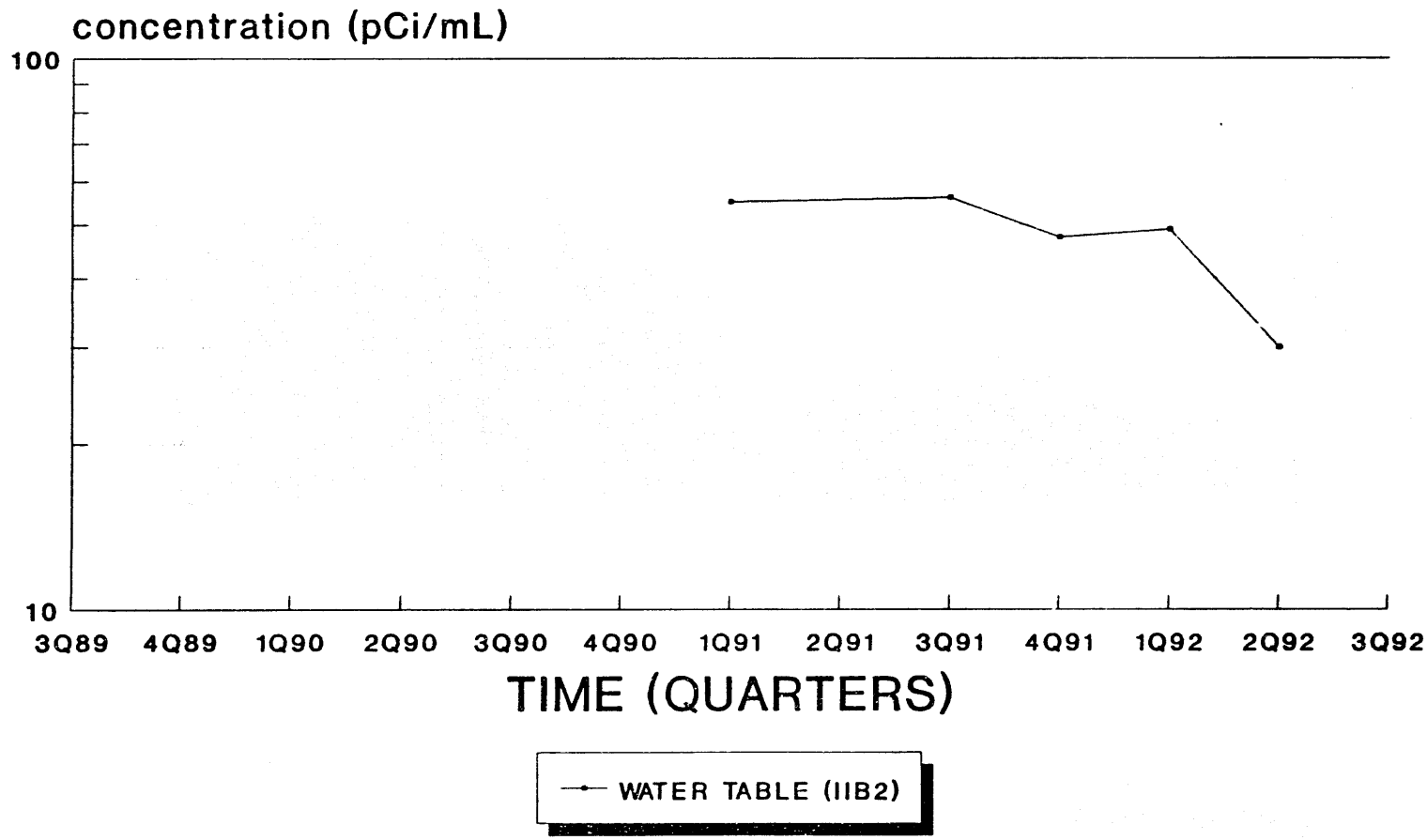
CLUSTER - HSB148

Tritium



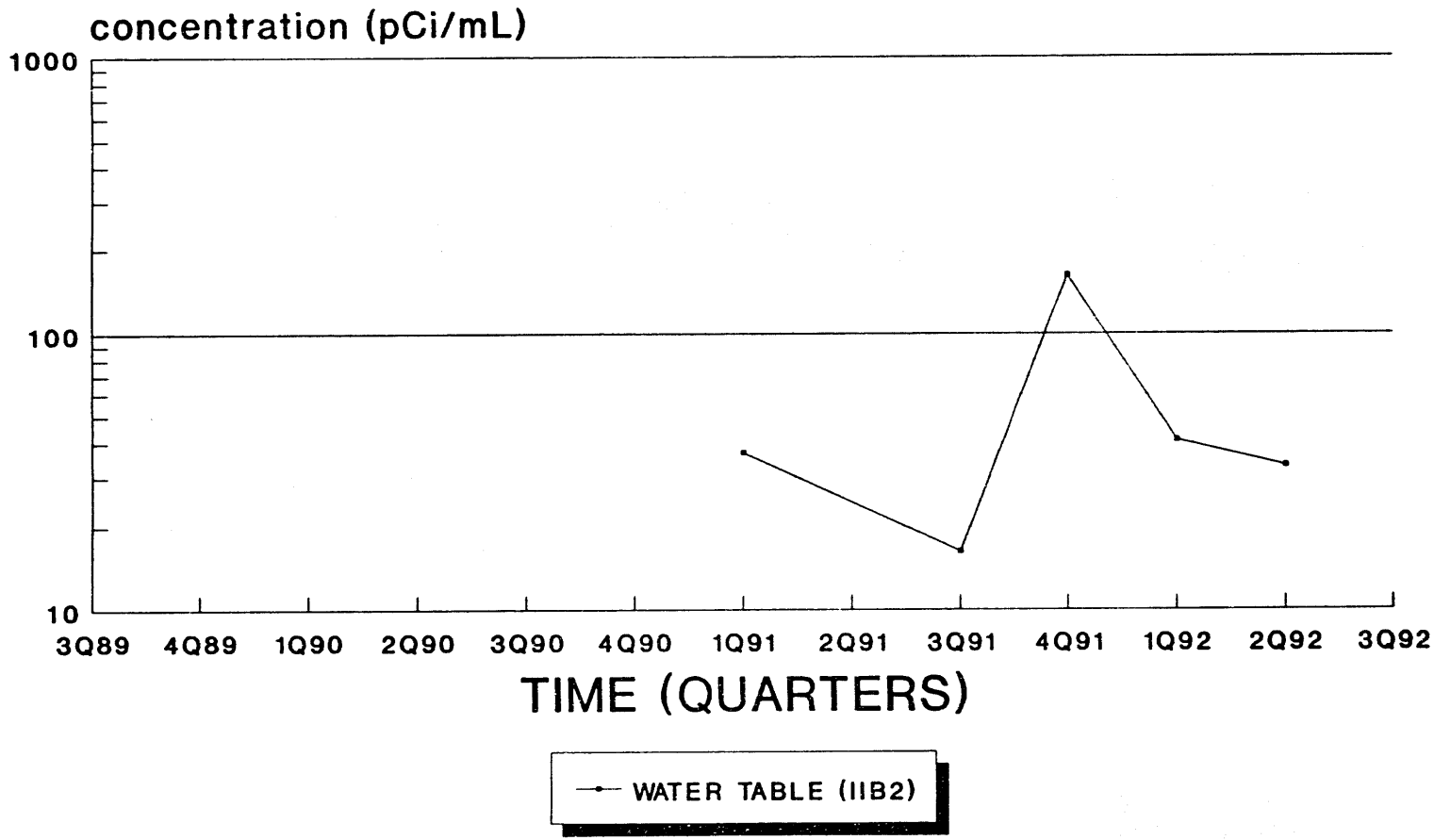
PDWS 20 pCi/mL
empty space denotes no data or dry well

HSB149D
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

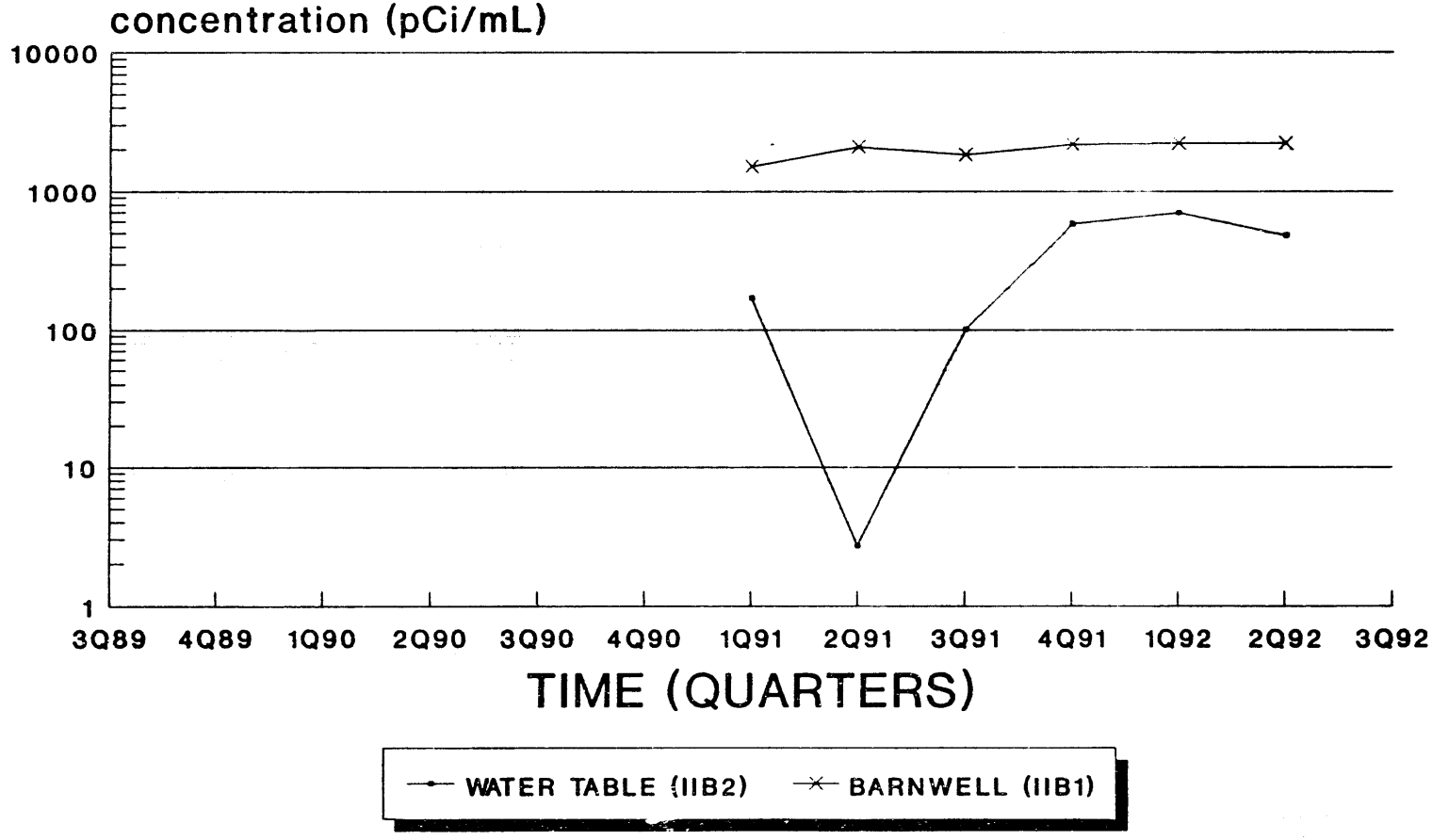
HSB150D
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB151

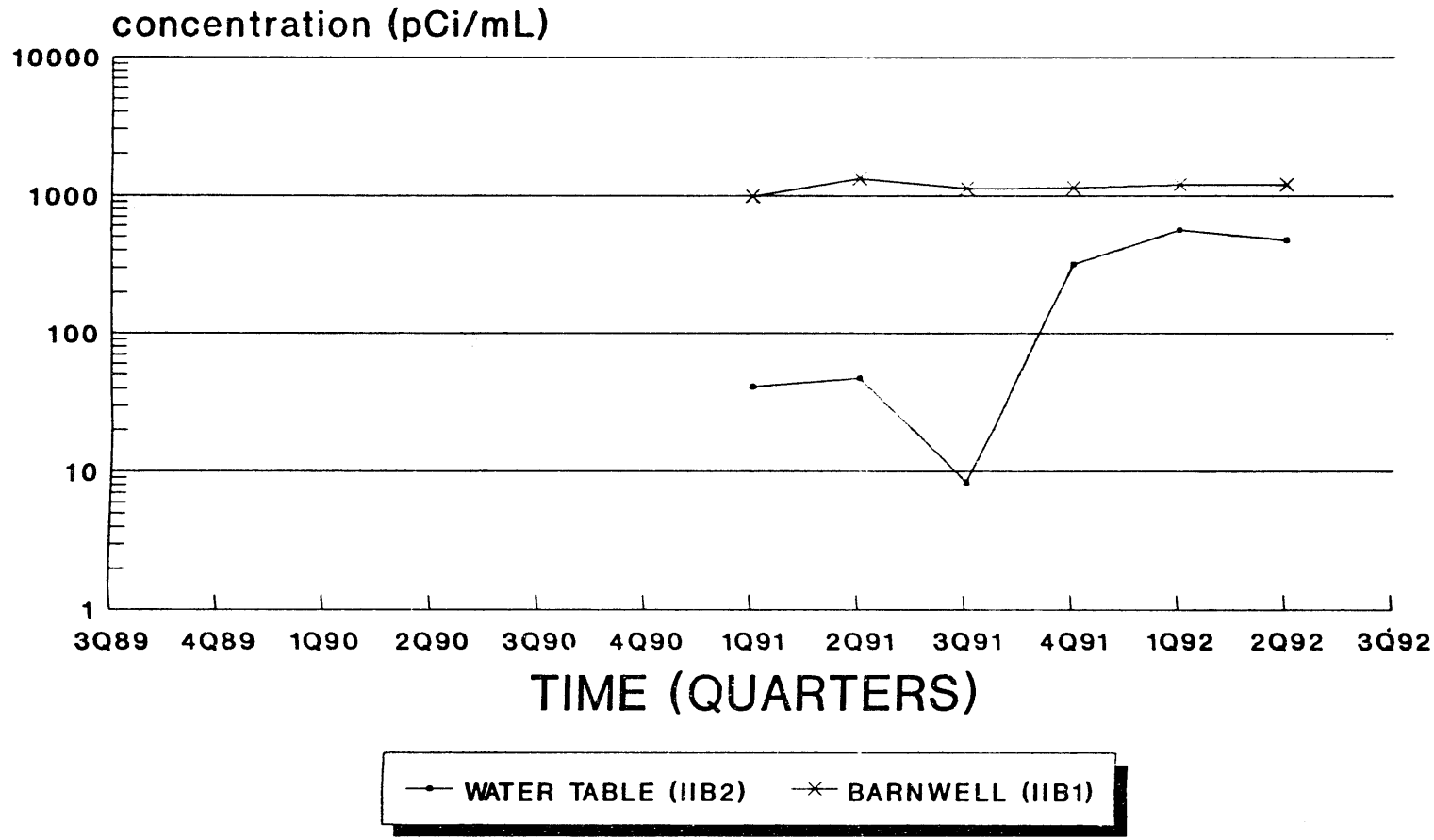
Tritium



PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB152

Tritium

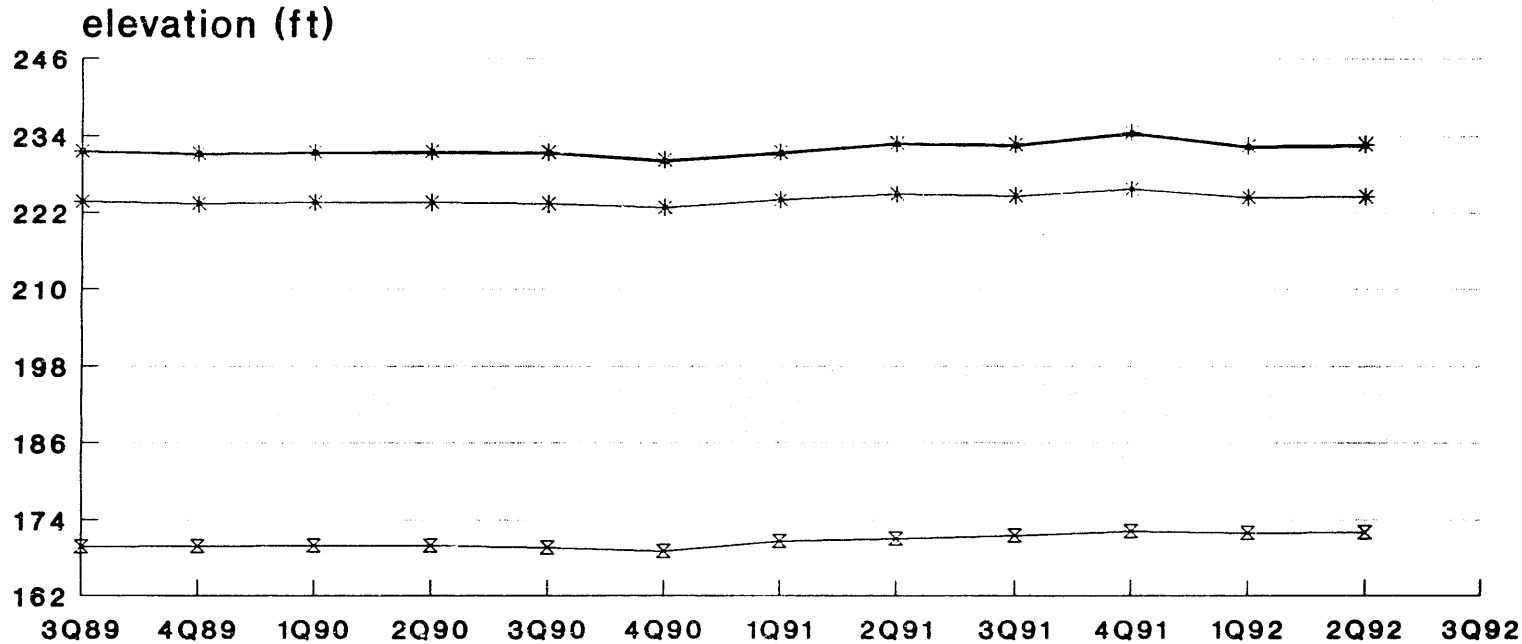


PDWS 20 pCi/mL
empty space denotes no data or dry well

Appendix F – Hydrographs

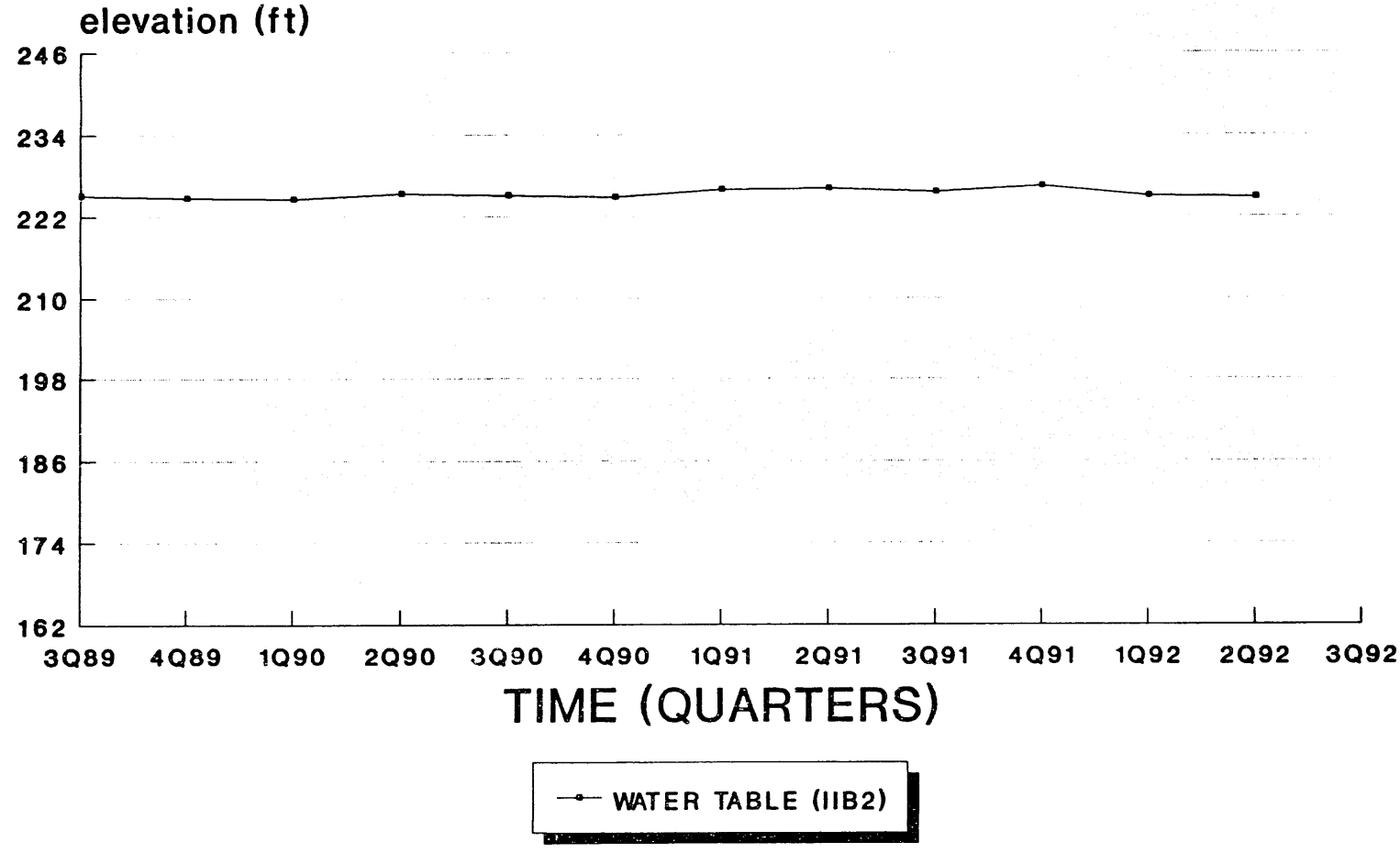
CLUSTER - HSB 65

Water Elevations



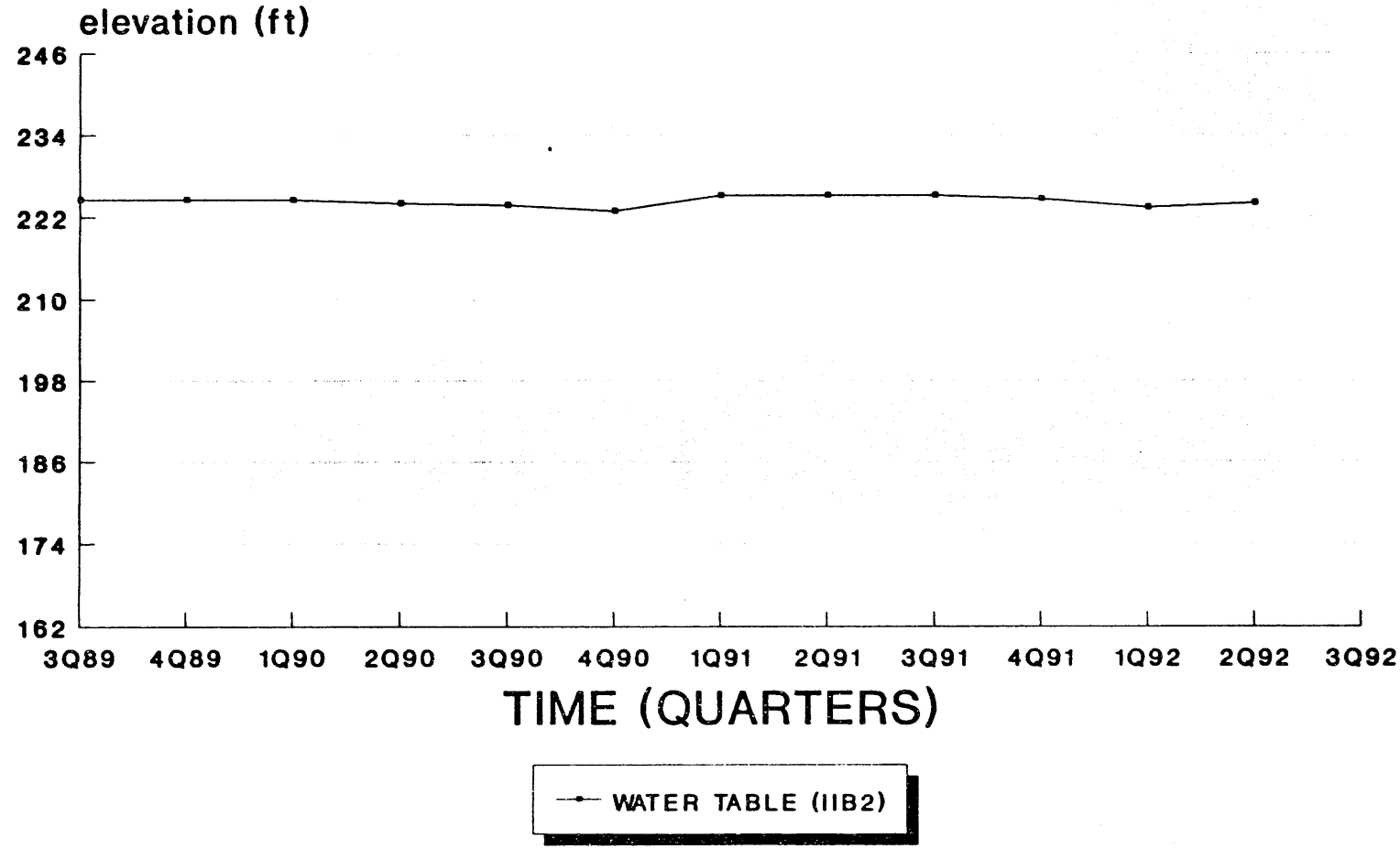
empty space denotes no data or dry well
1st water table: HSB 65; 2nd: HSB 65C

HSB 66
Water Elevations



empty space denotes no data or dry well

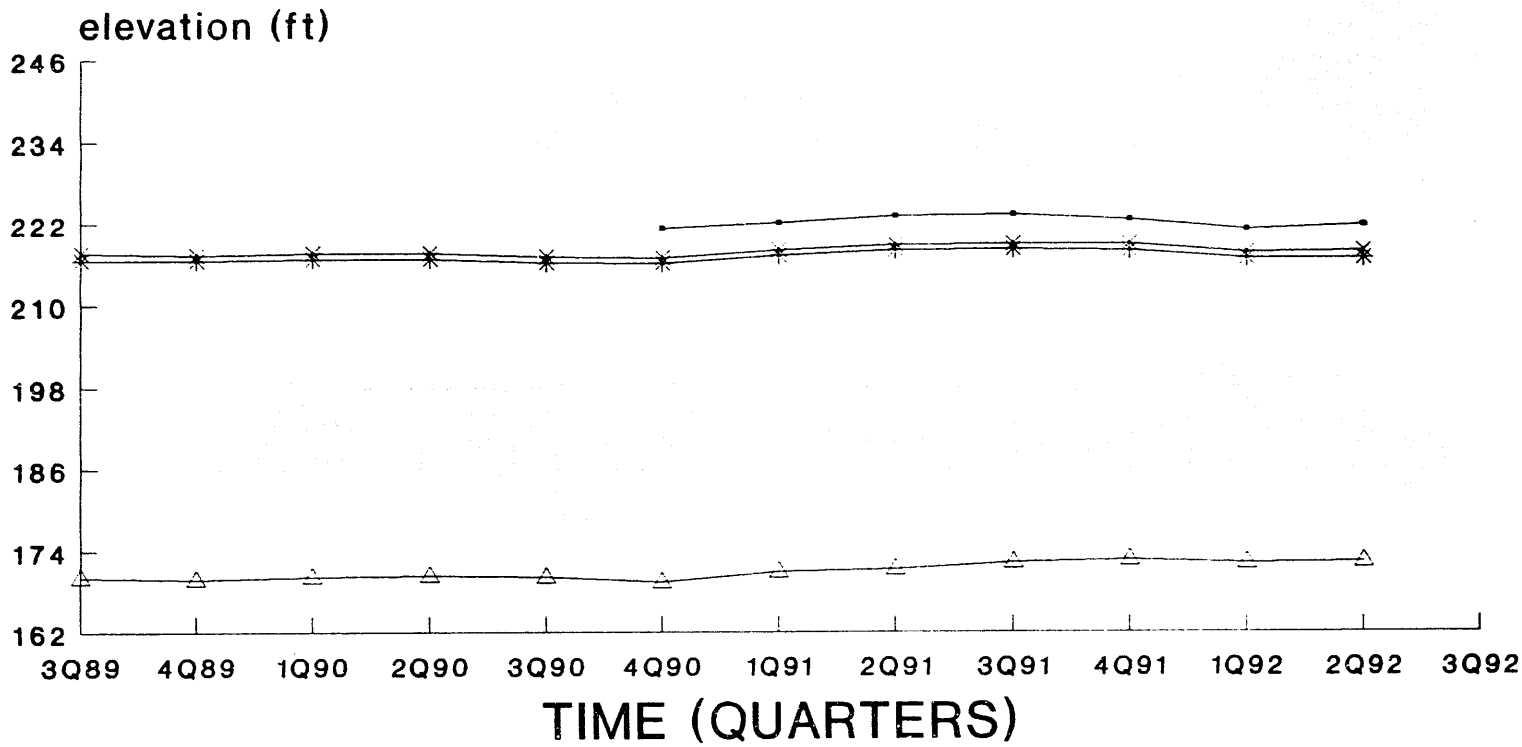
HSB 67
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB 68

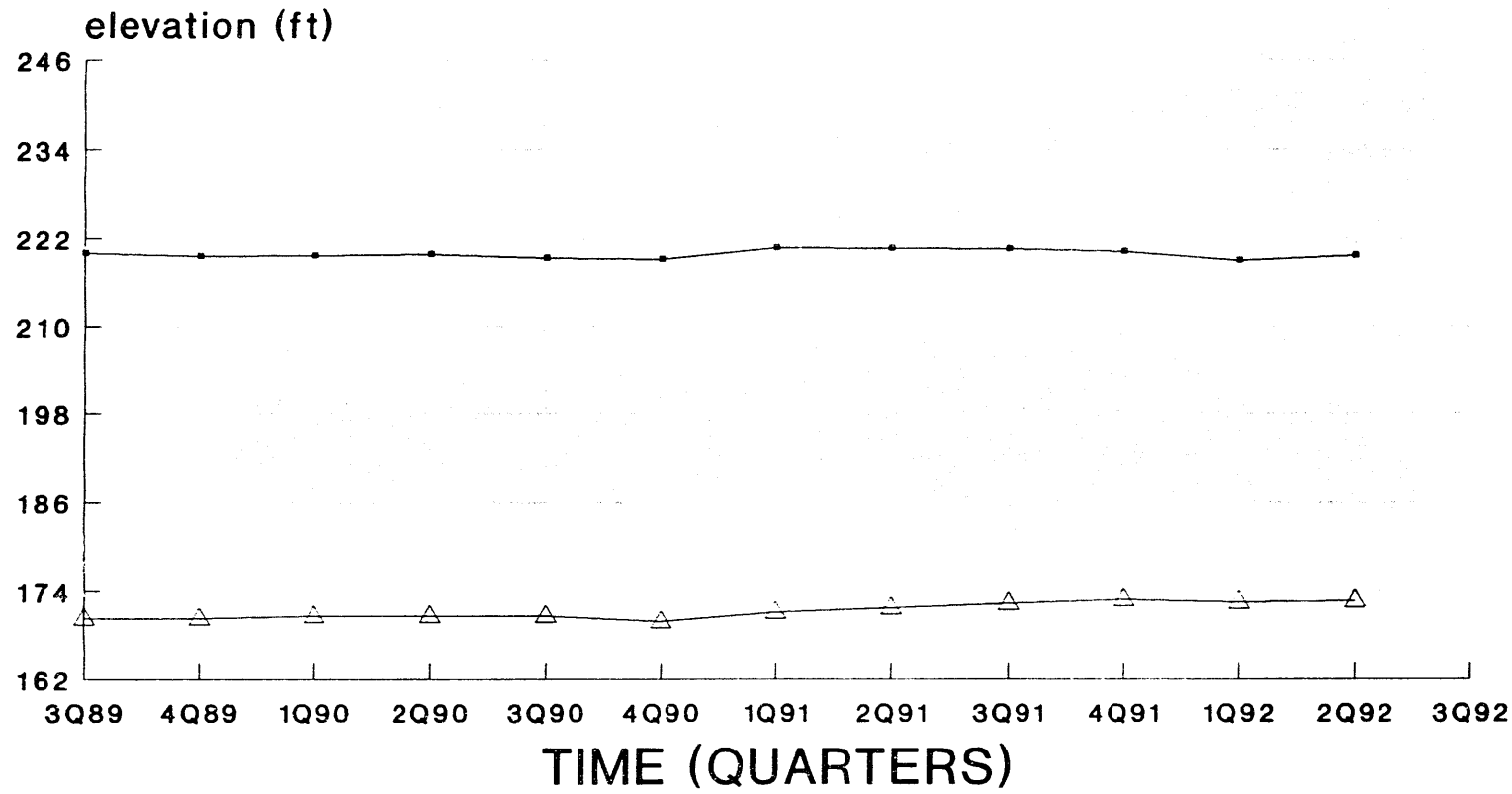
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB 69

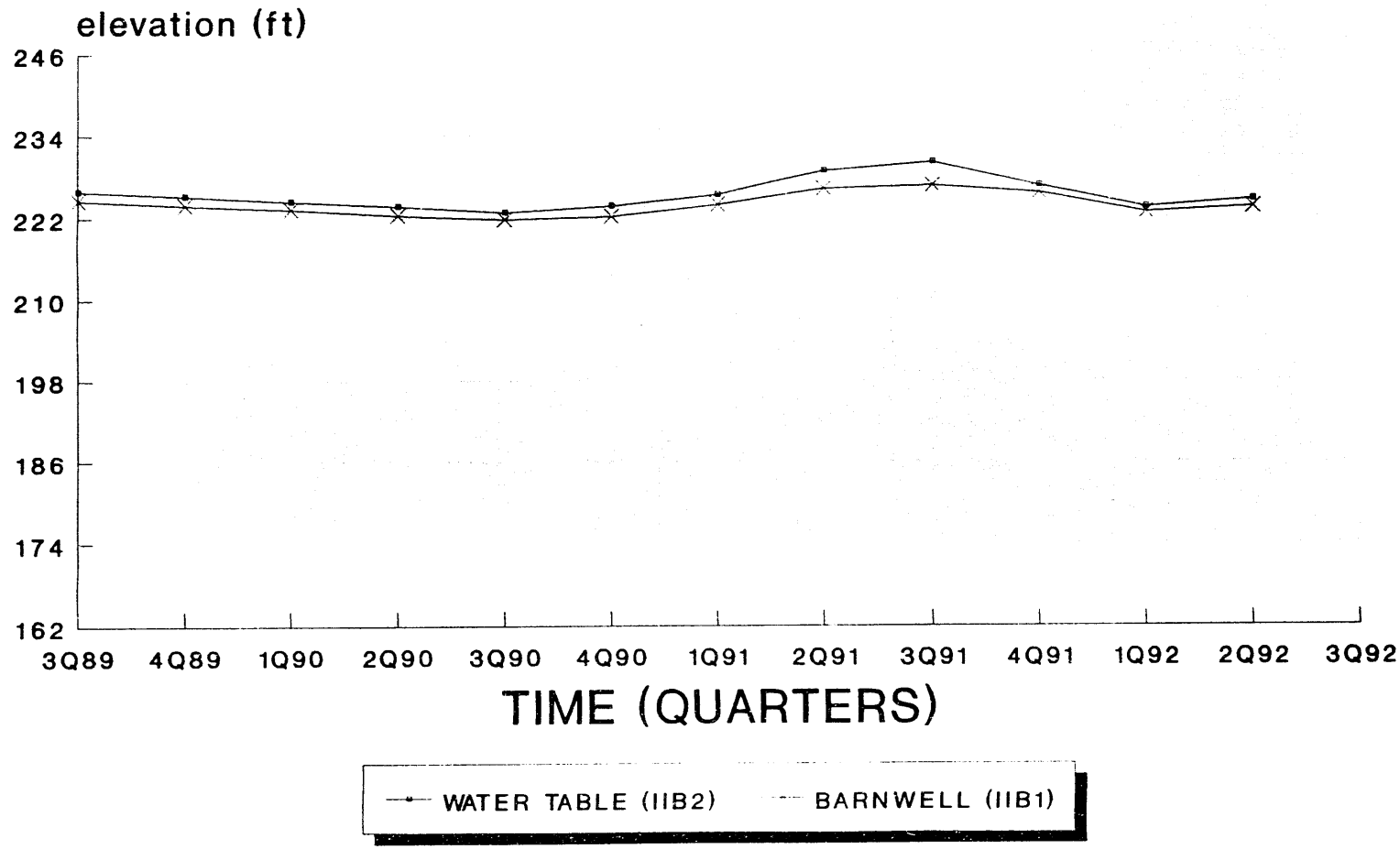
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB 70

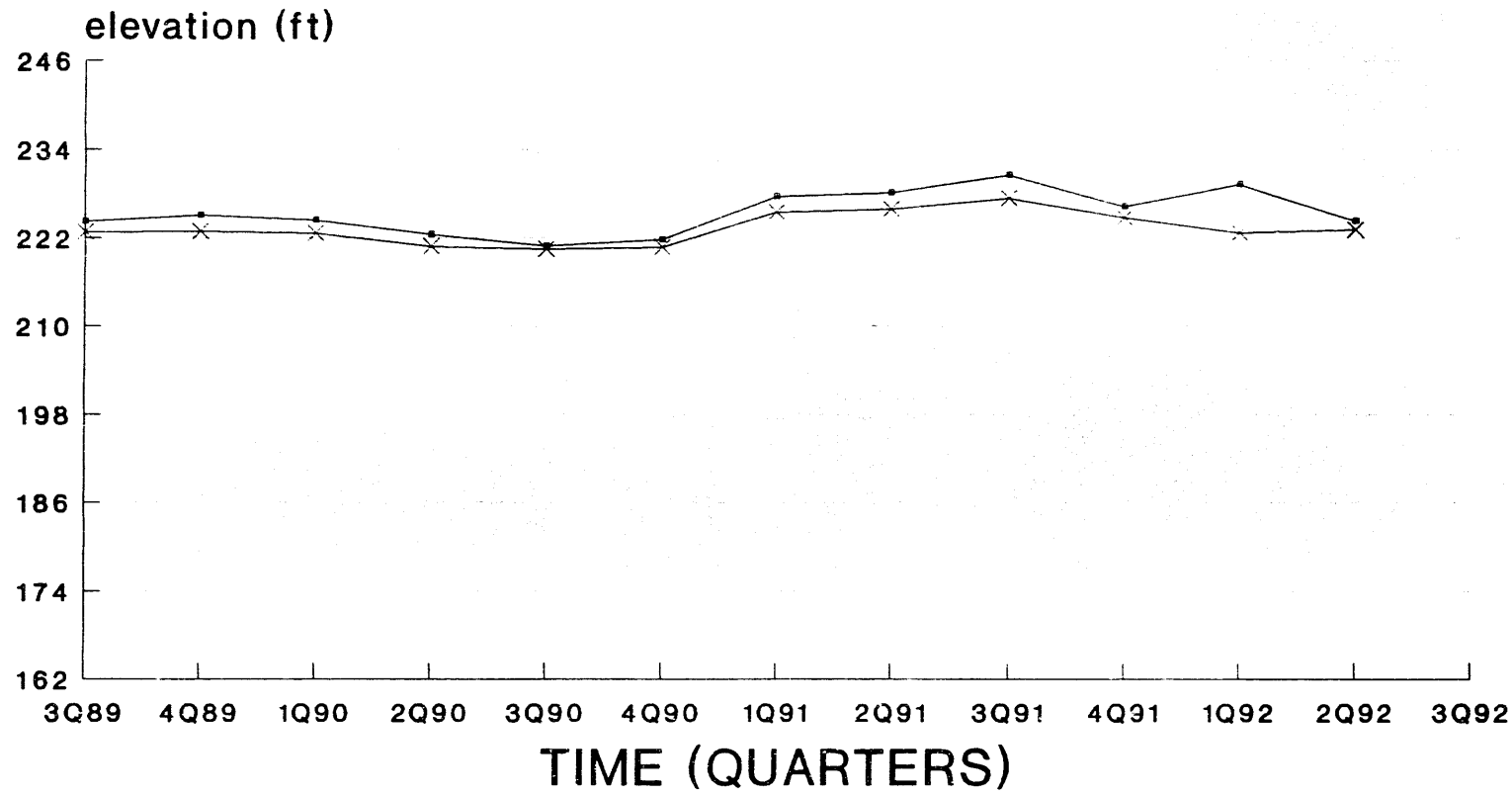
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB 71

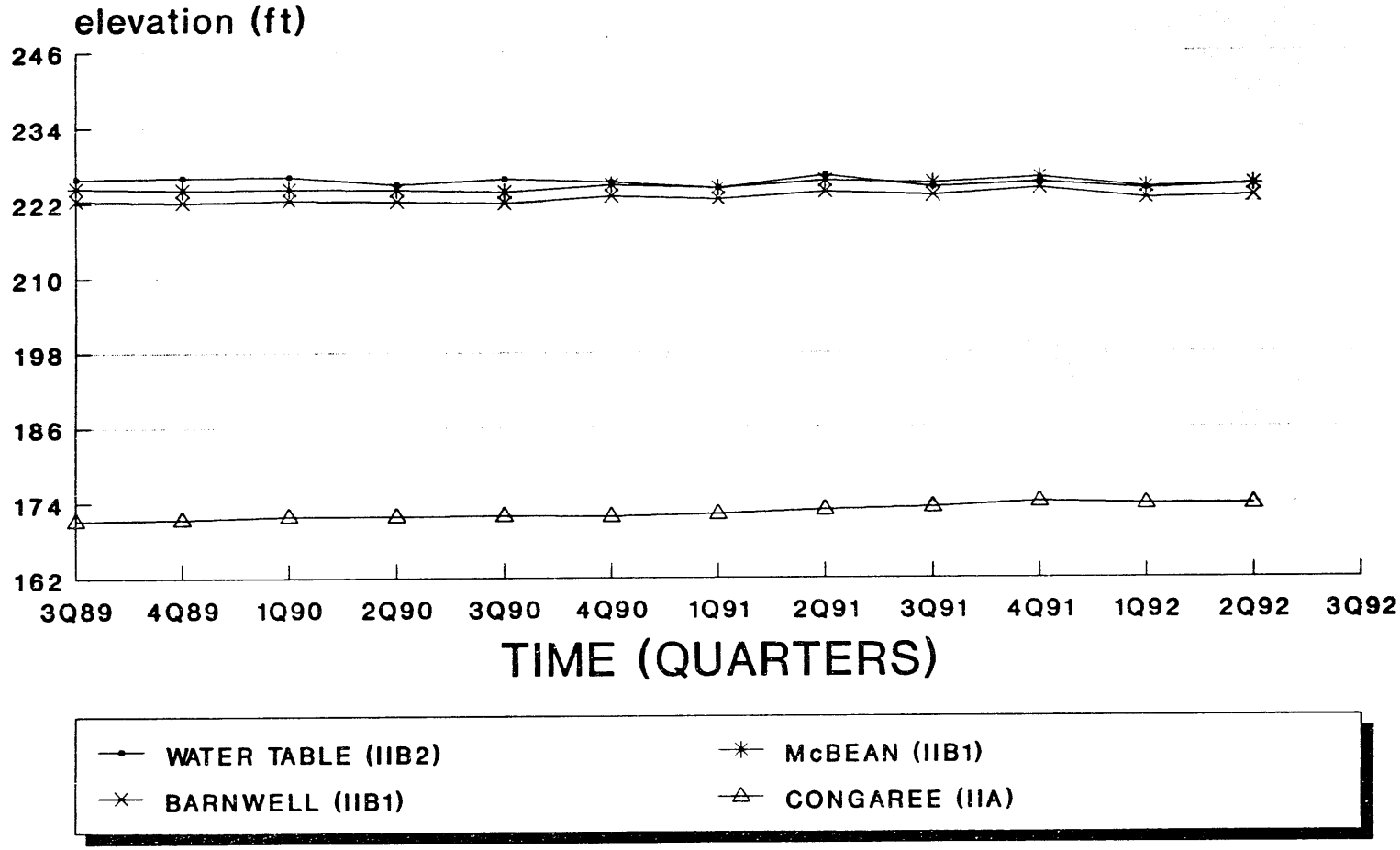
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB 83

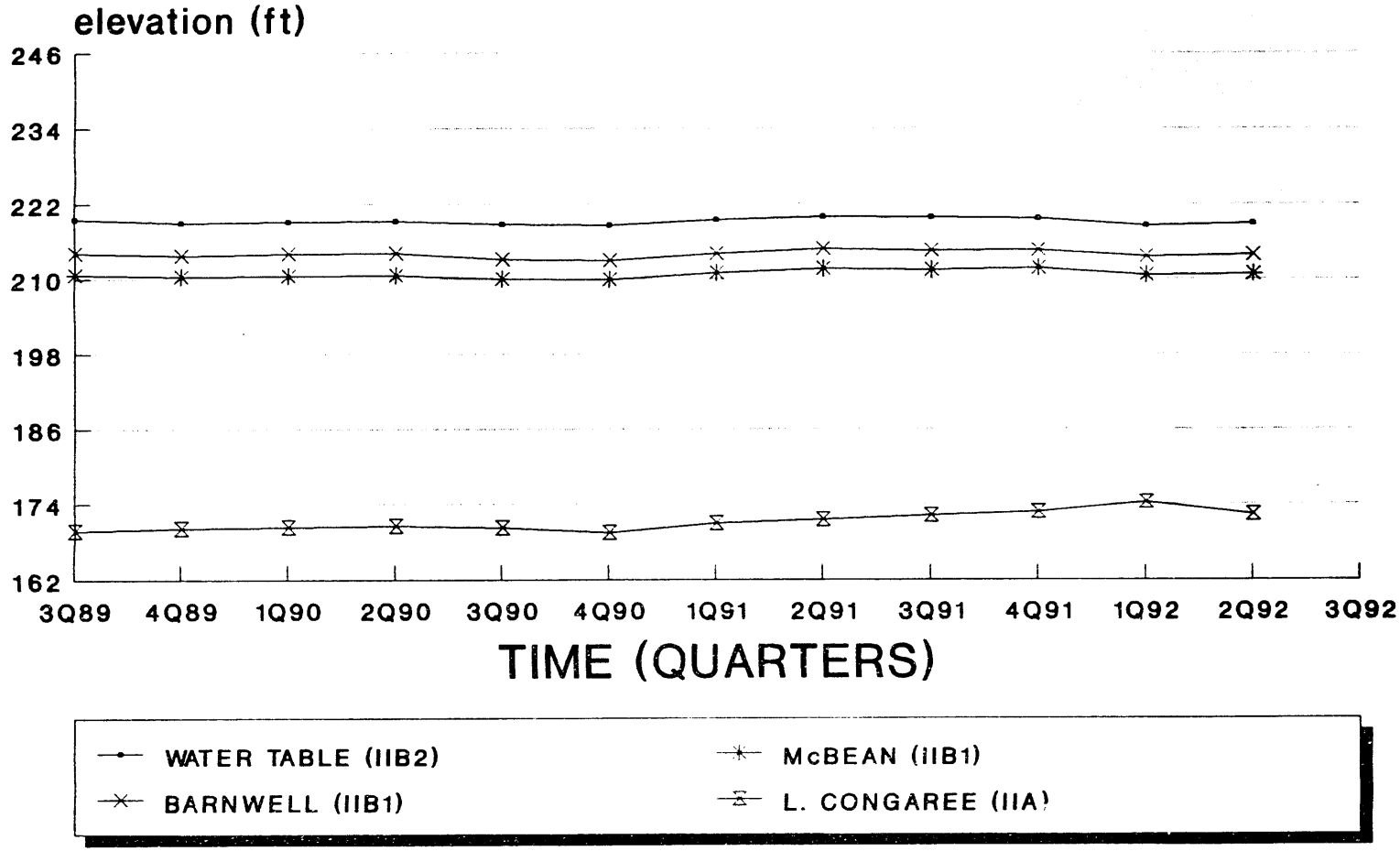
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB 84

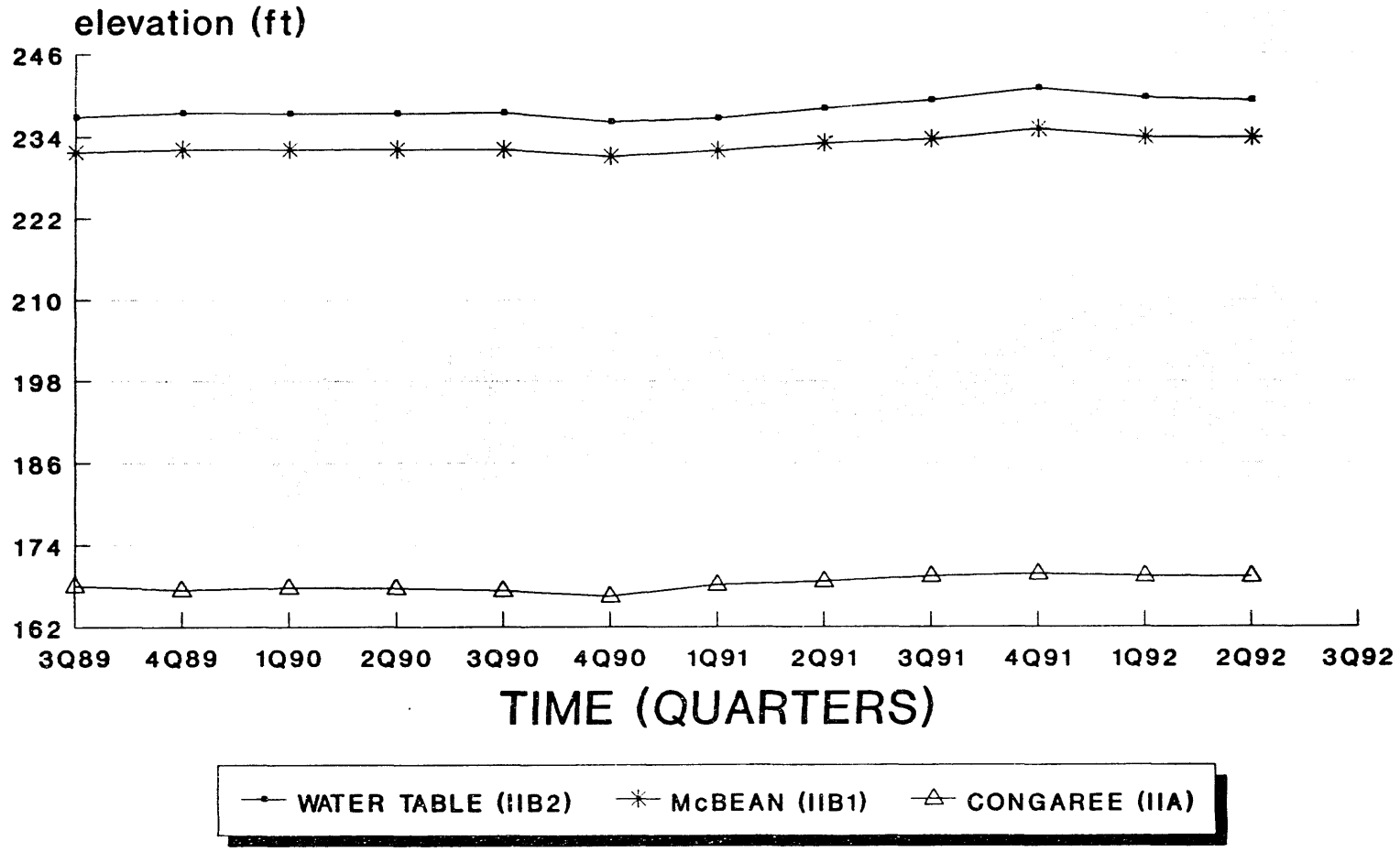
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB 85

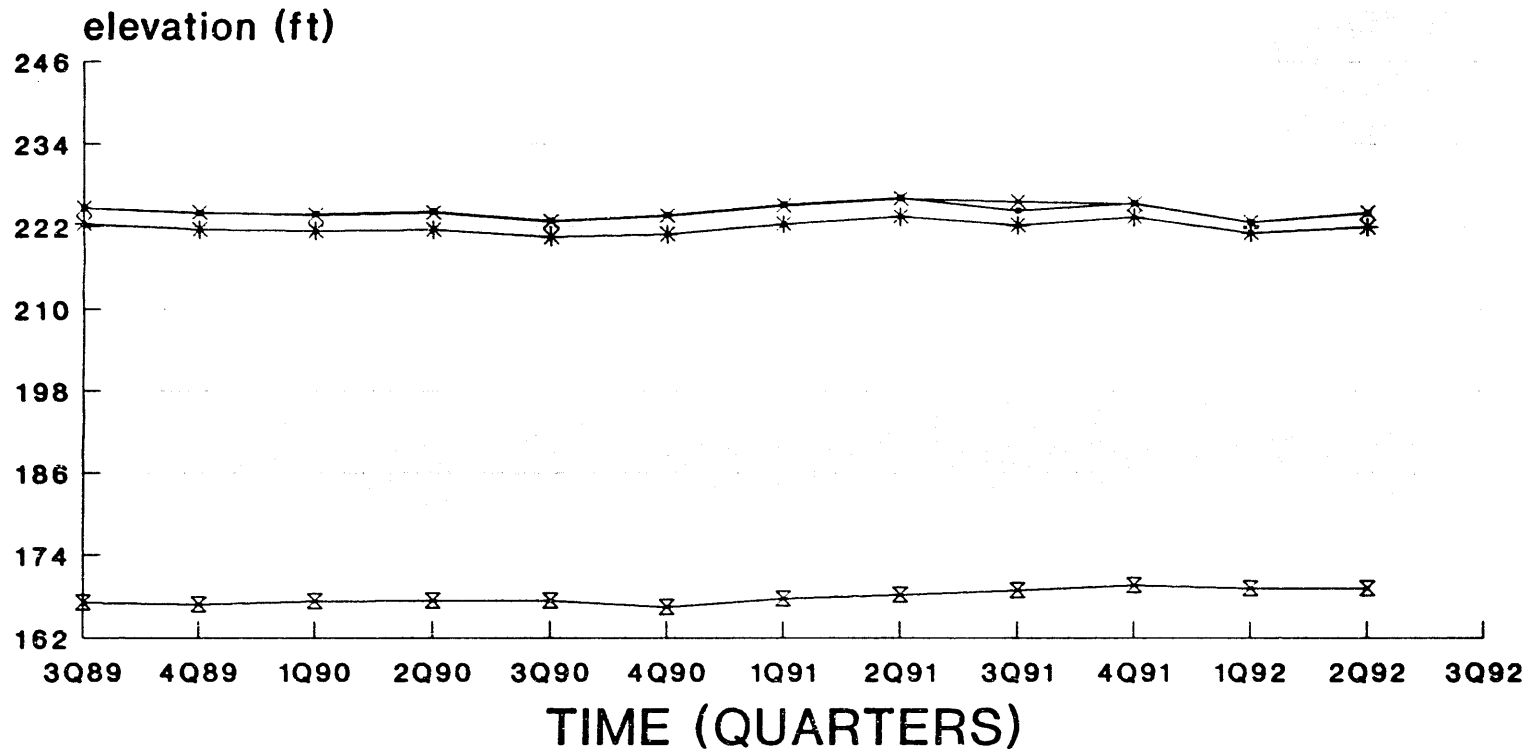
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB 86

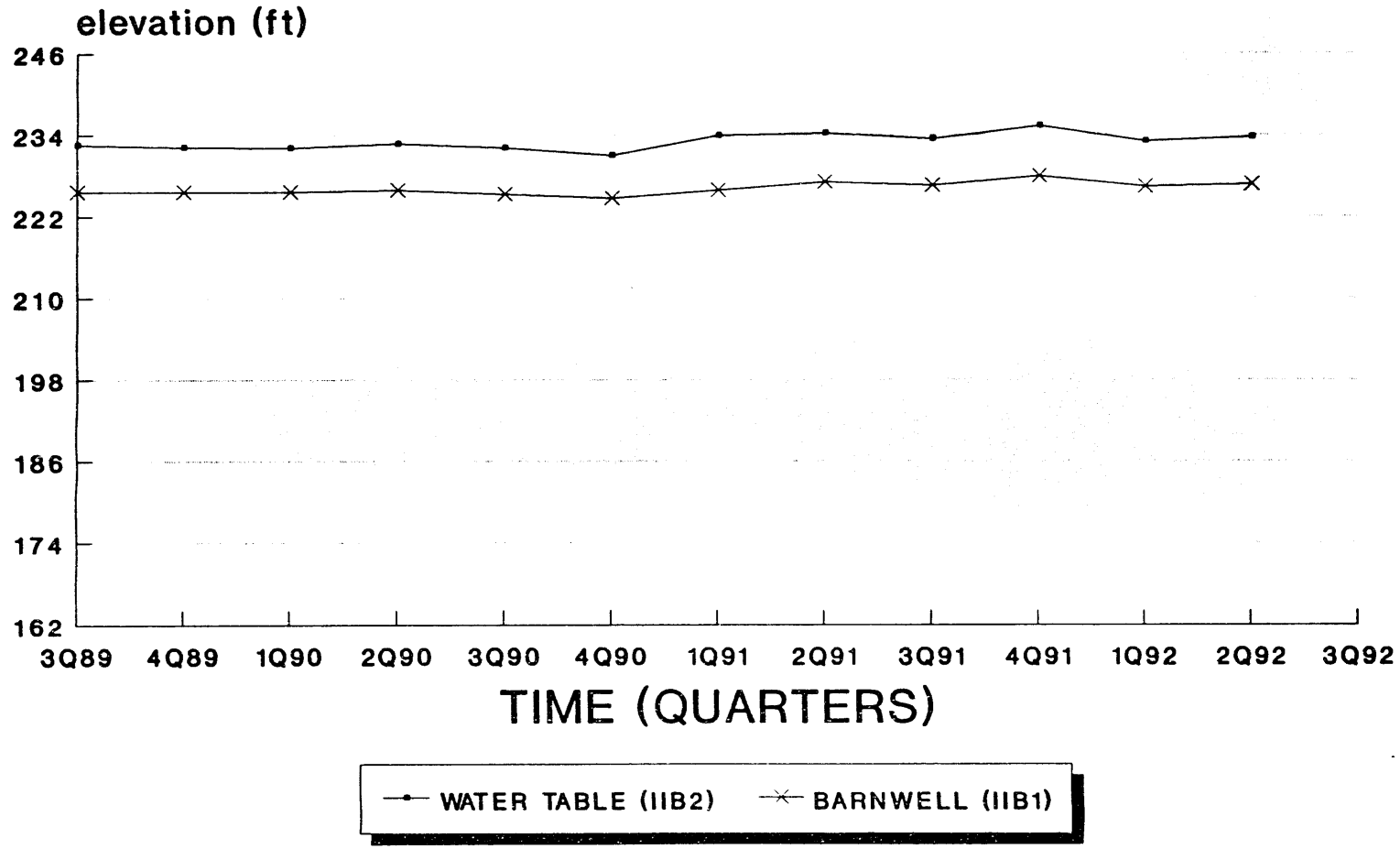
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB100

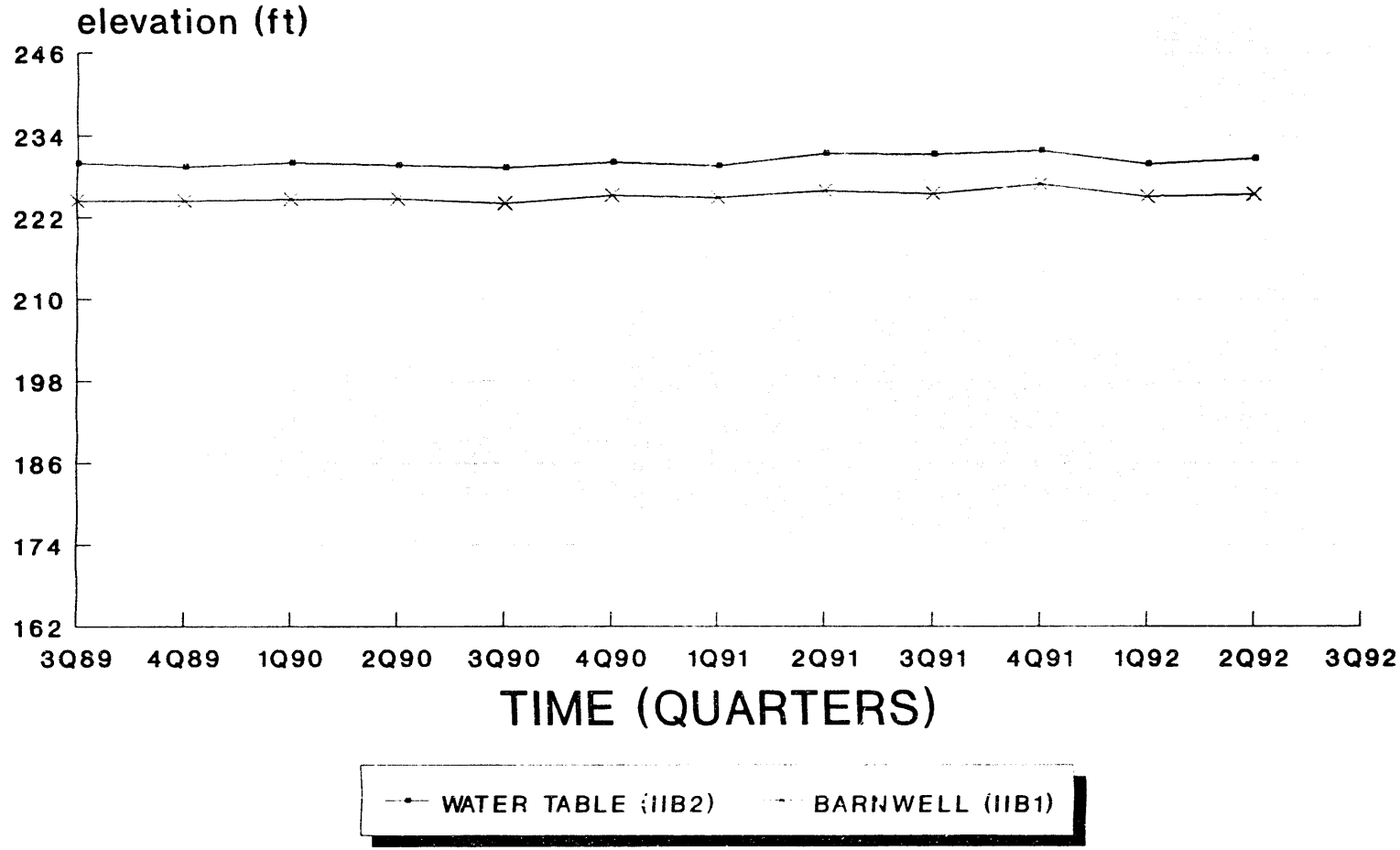
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB101

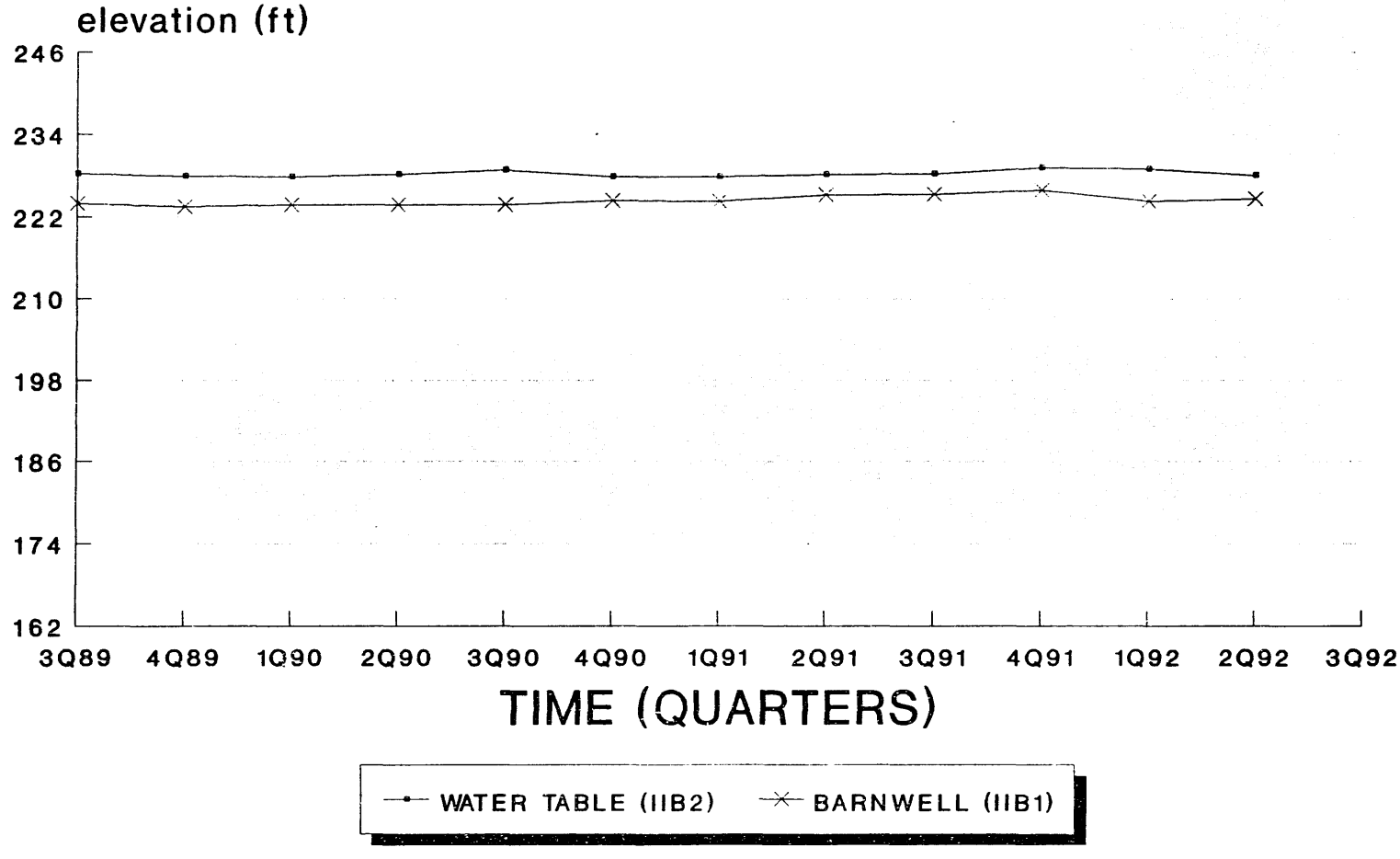
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB102

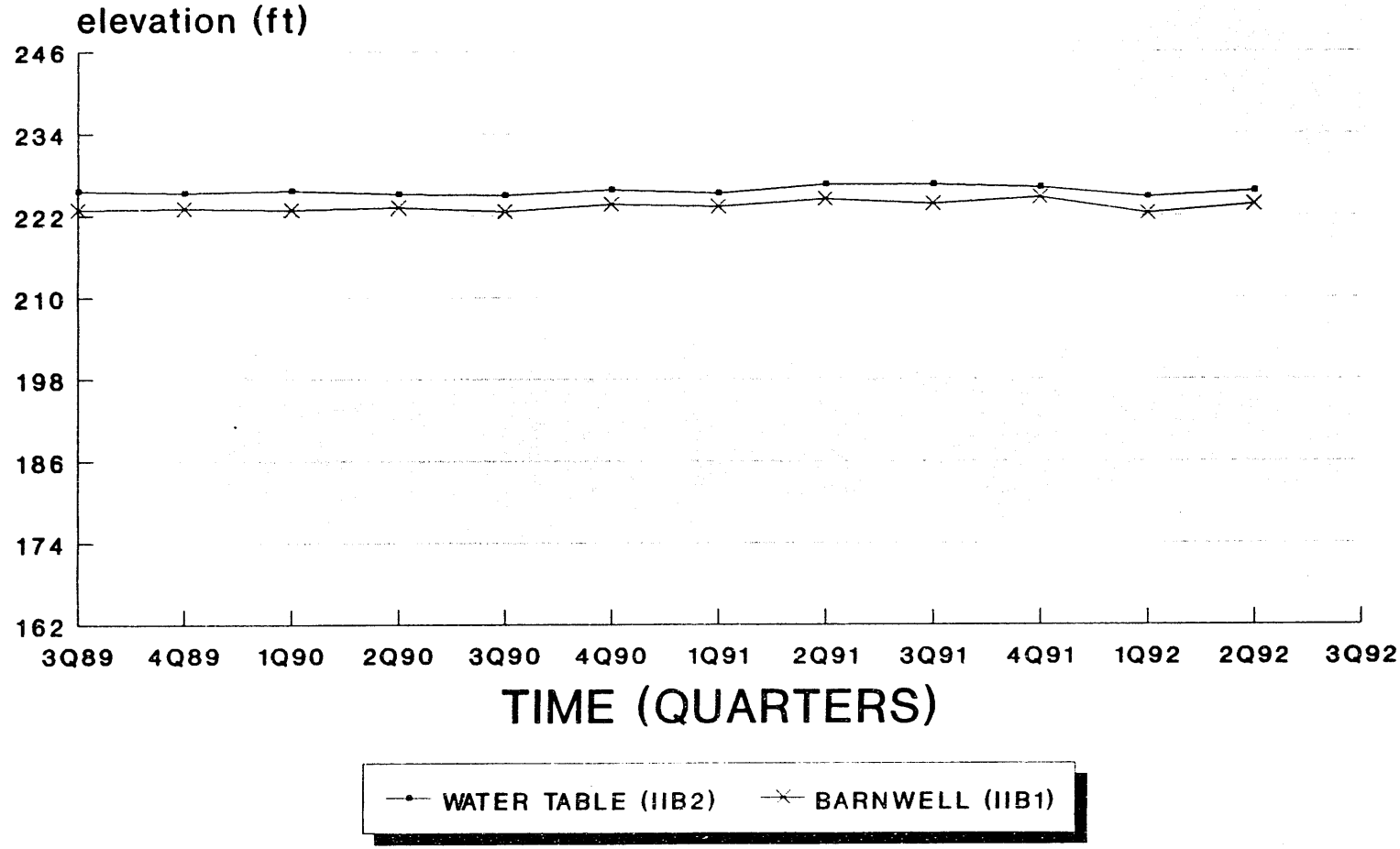
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB103

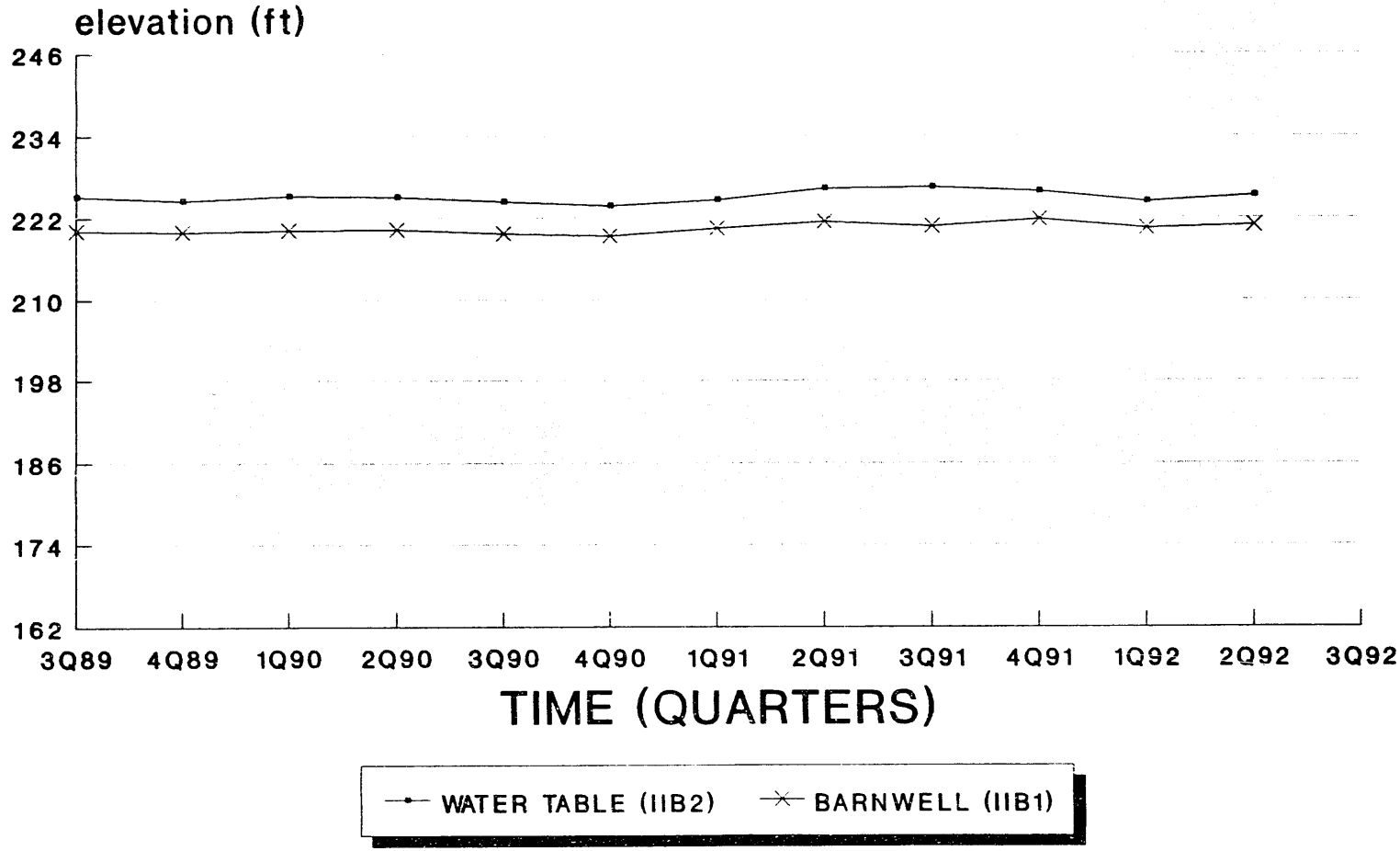
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB104

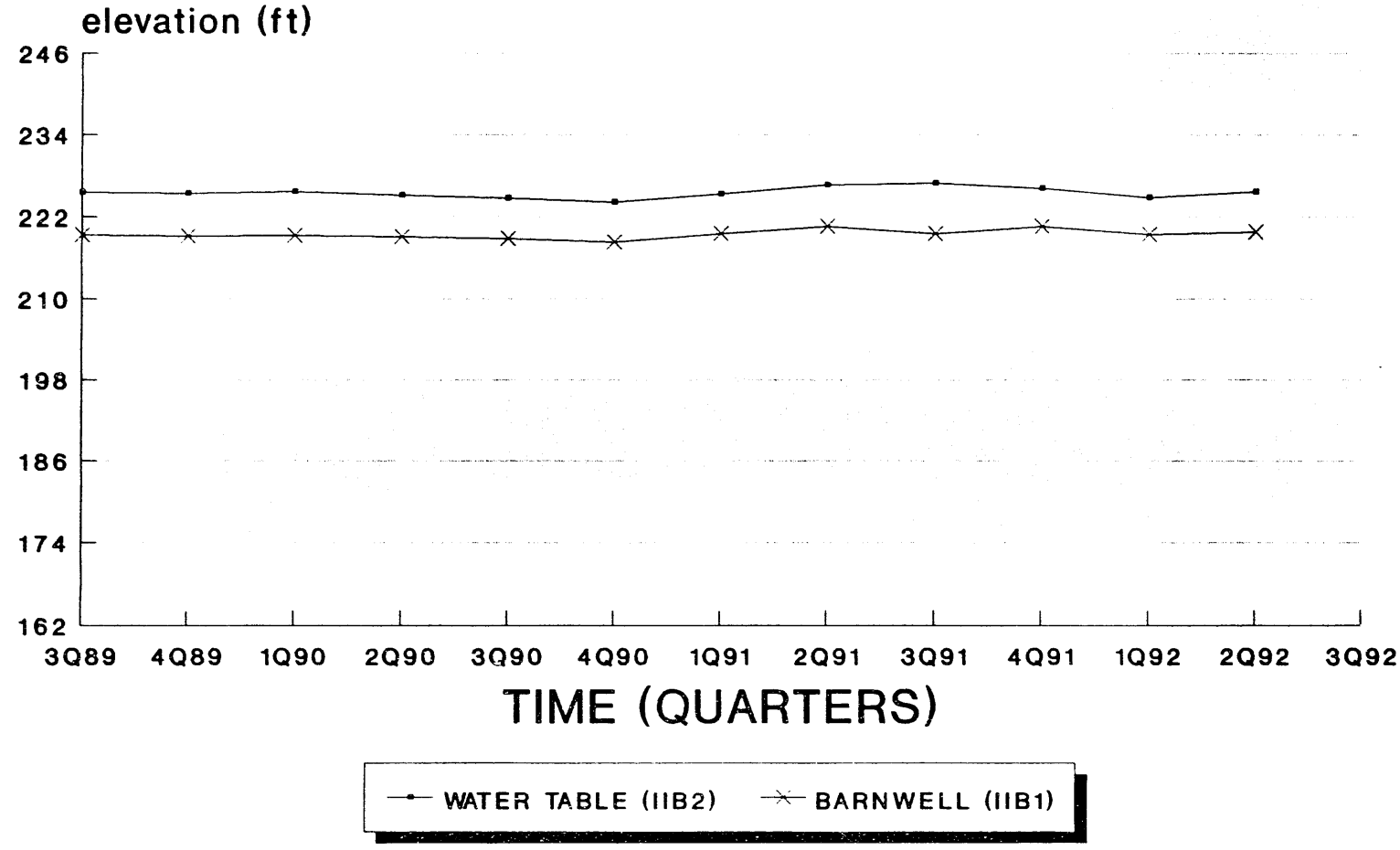
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB105

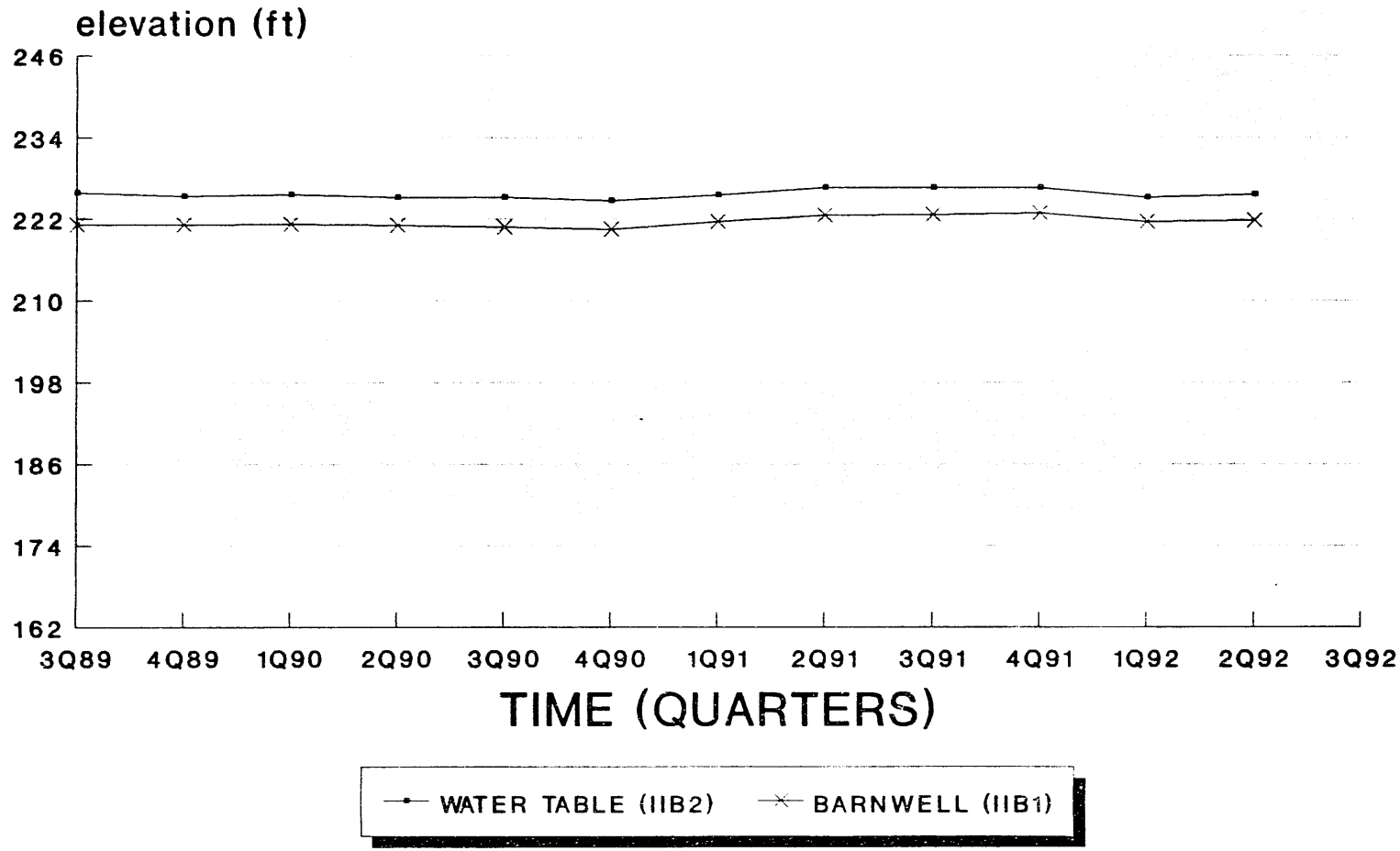
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB106

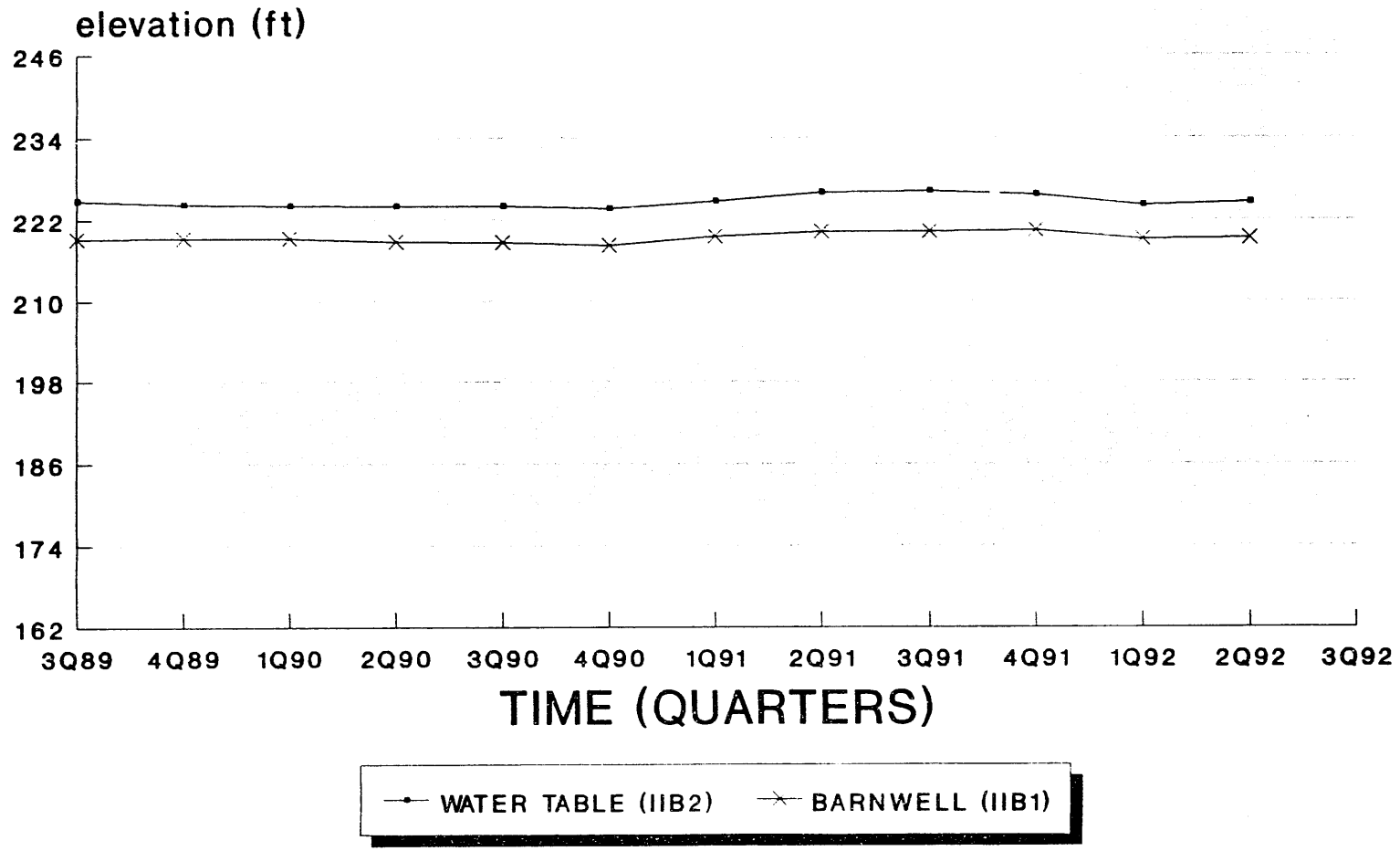
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB107

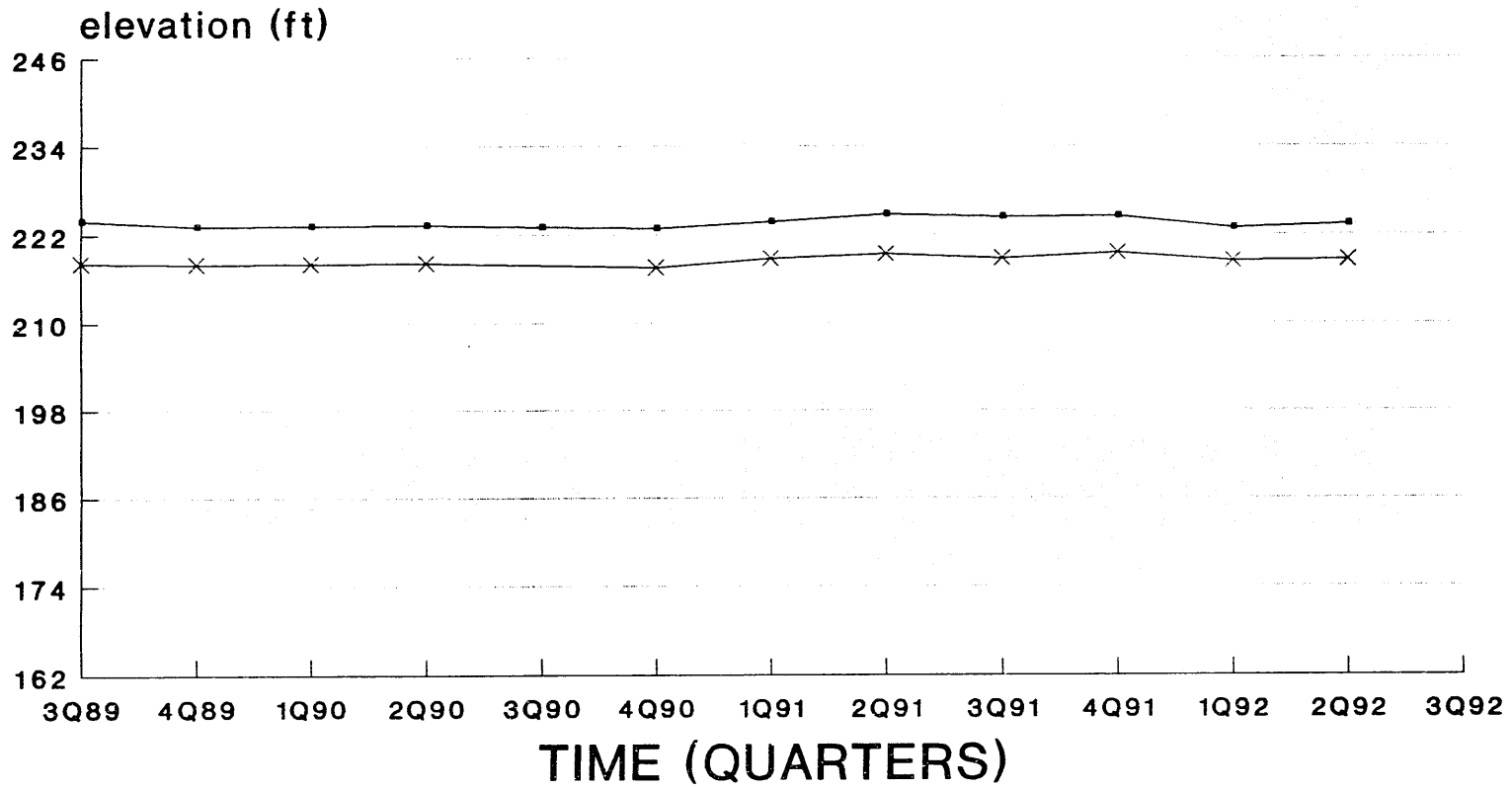
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB108

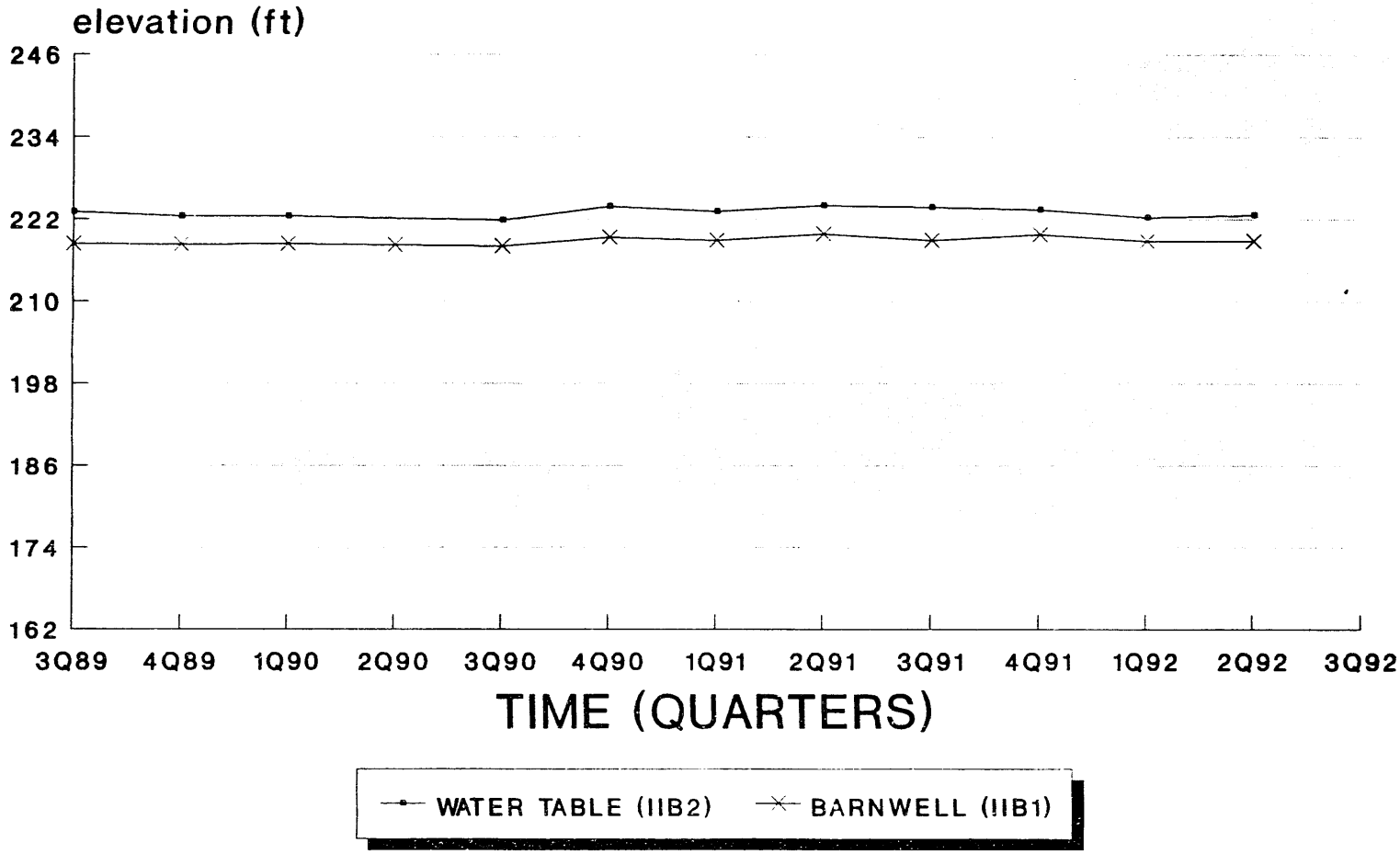
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB109

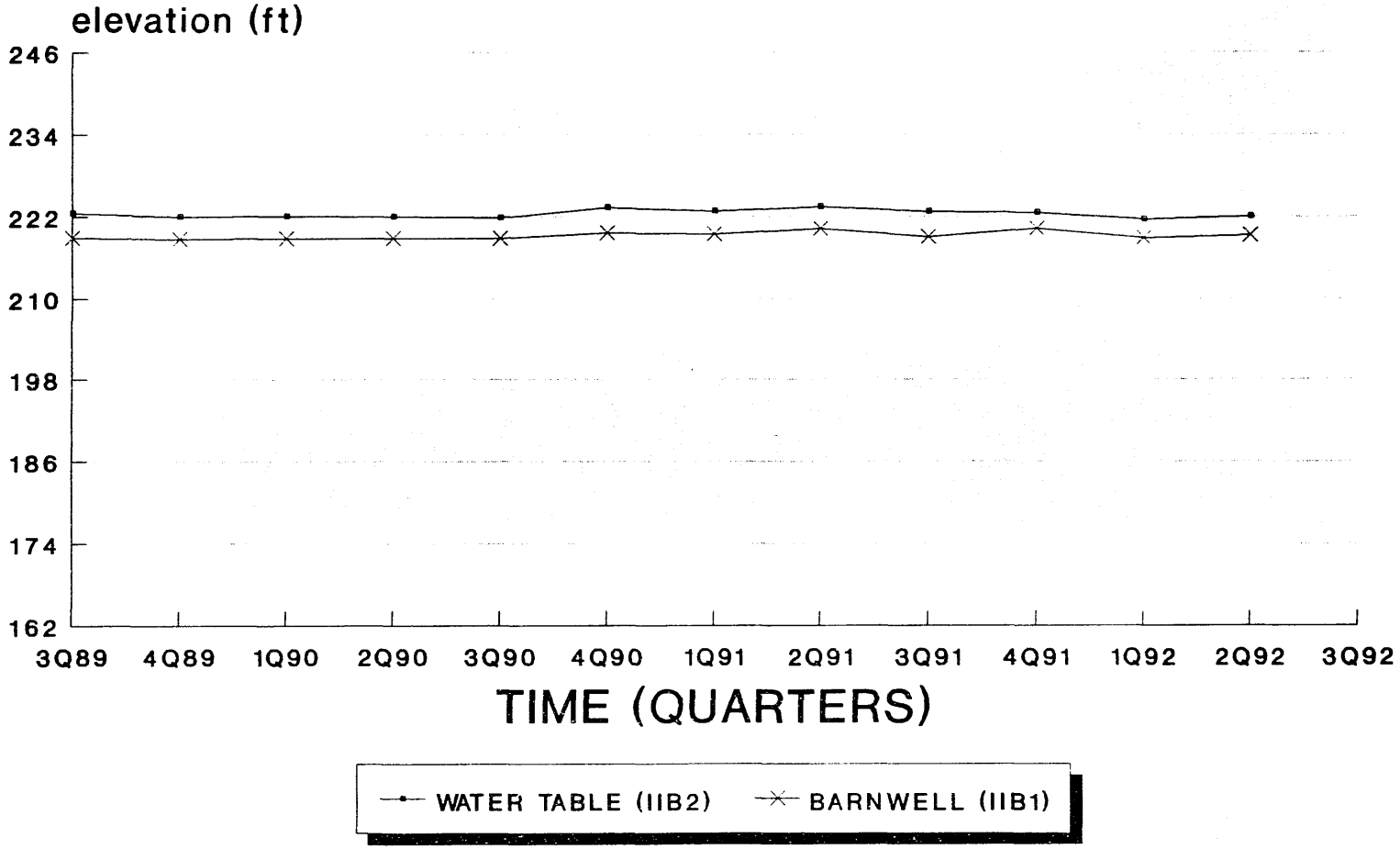
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB110

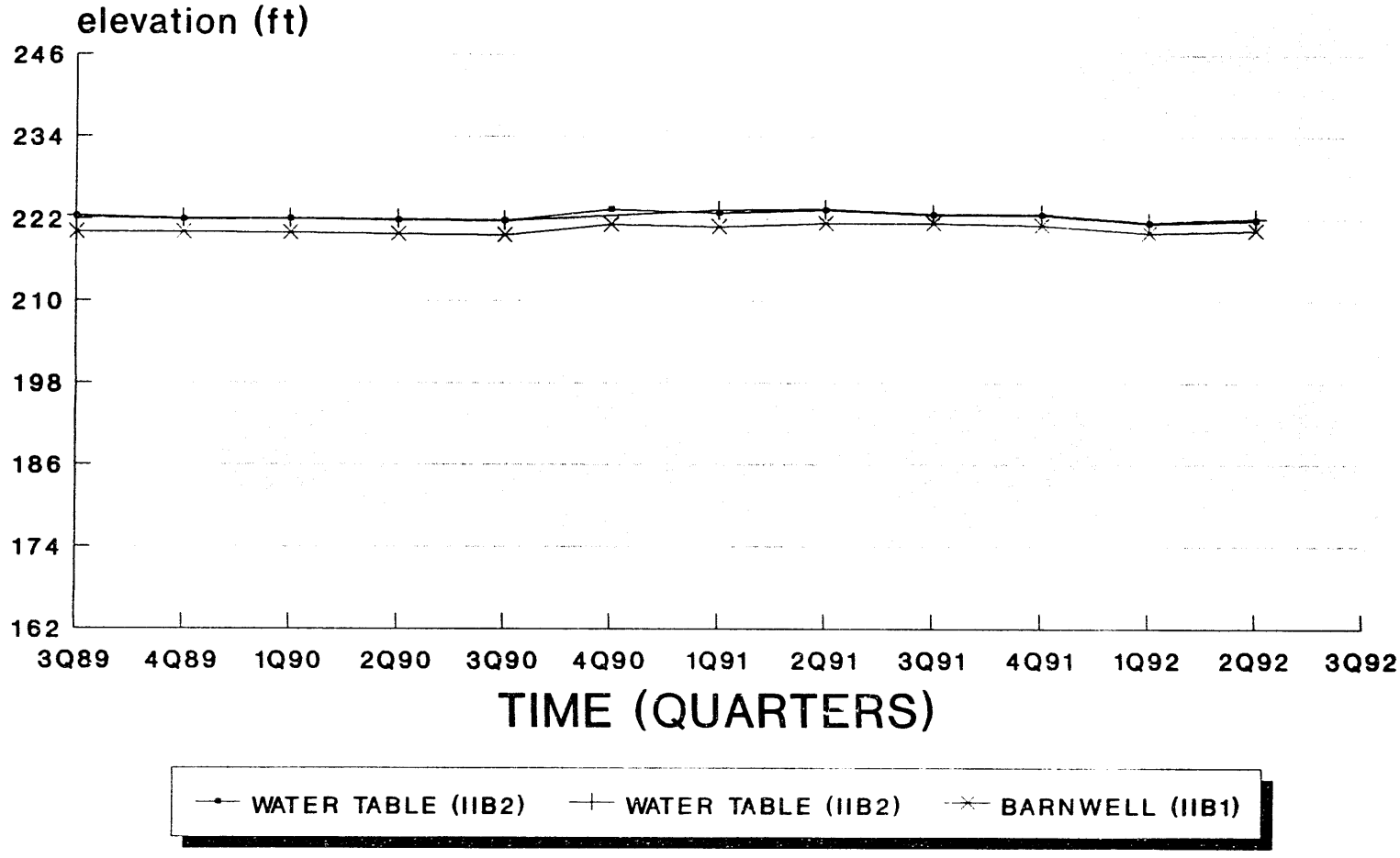
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB111

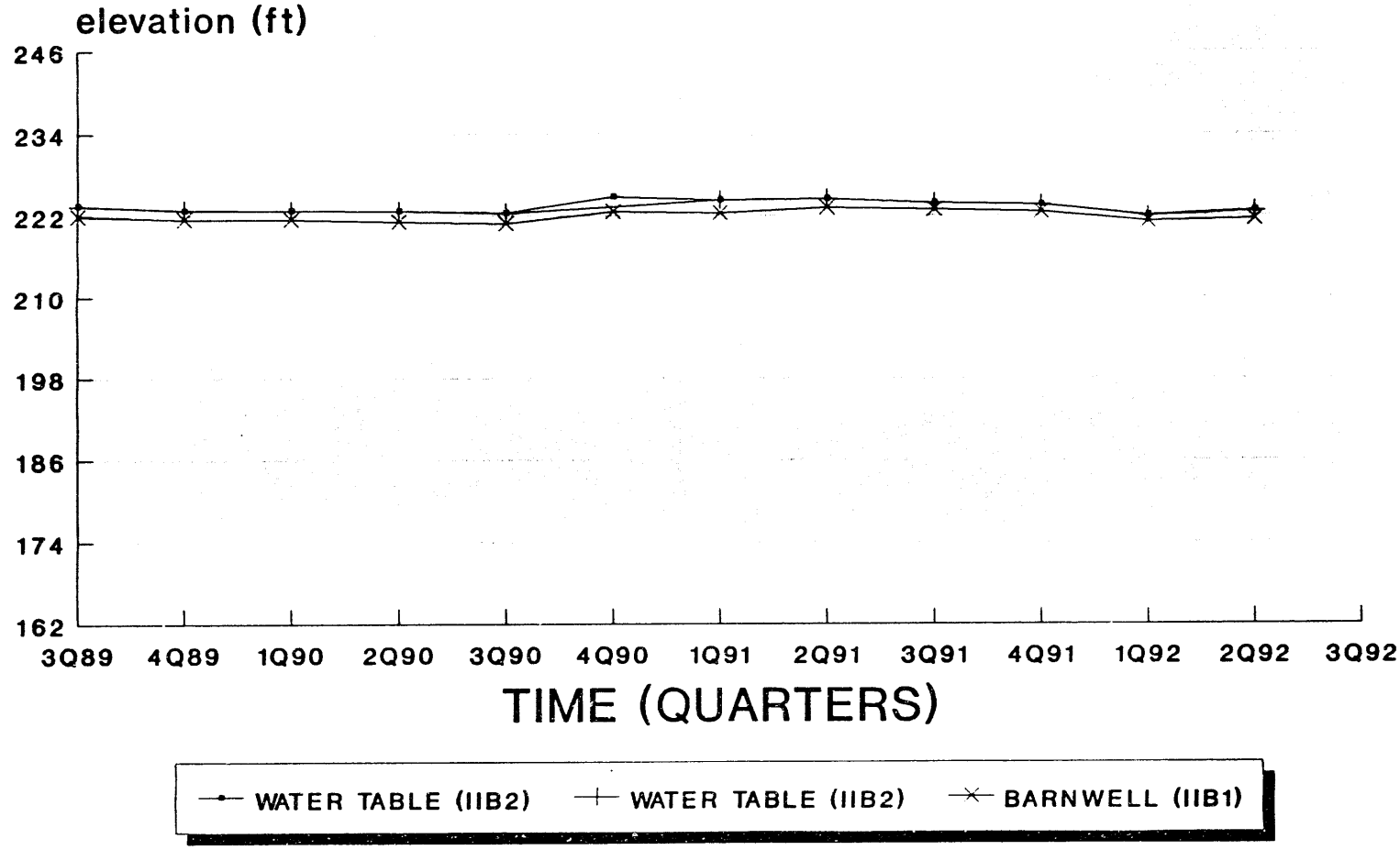
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB112

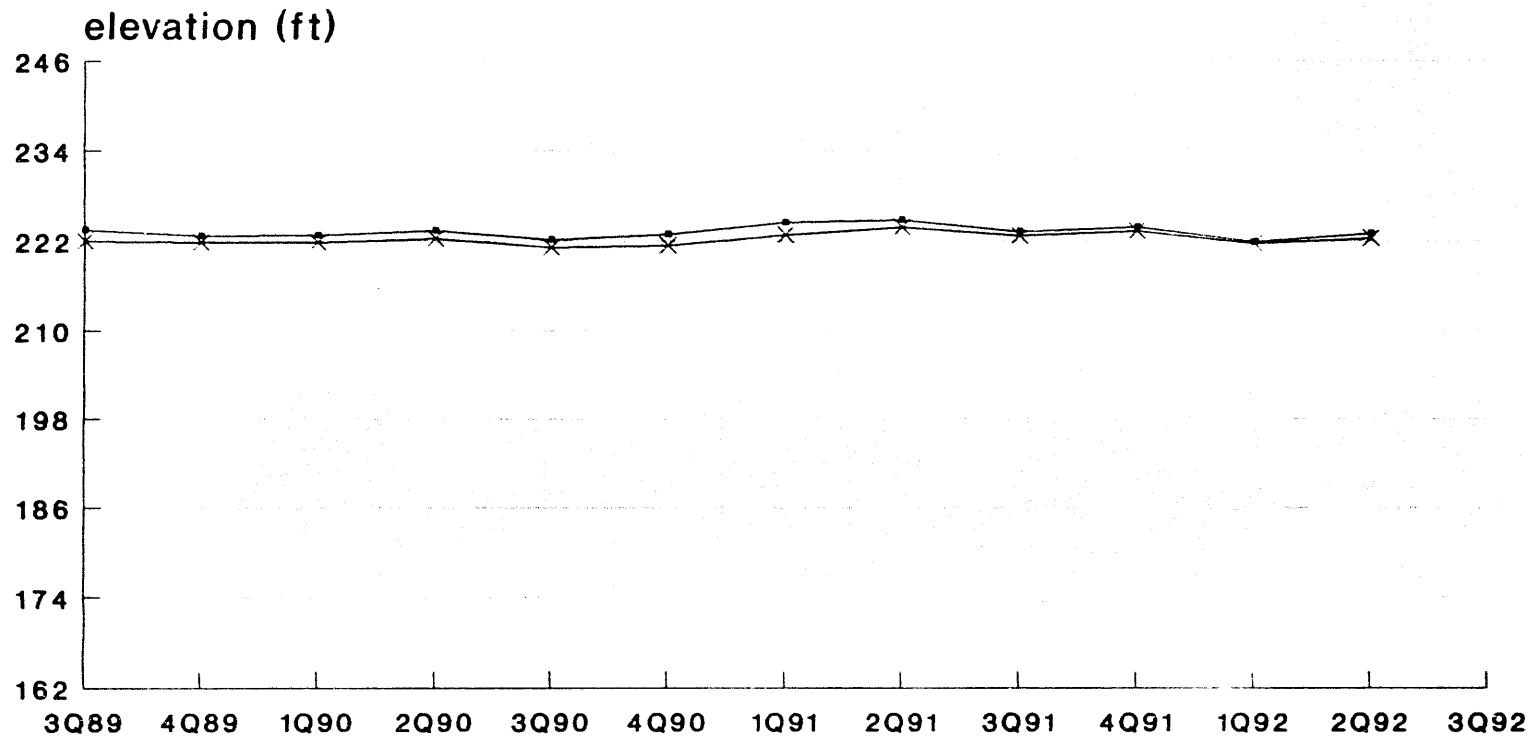
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB113

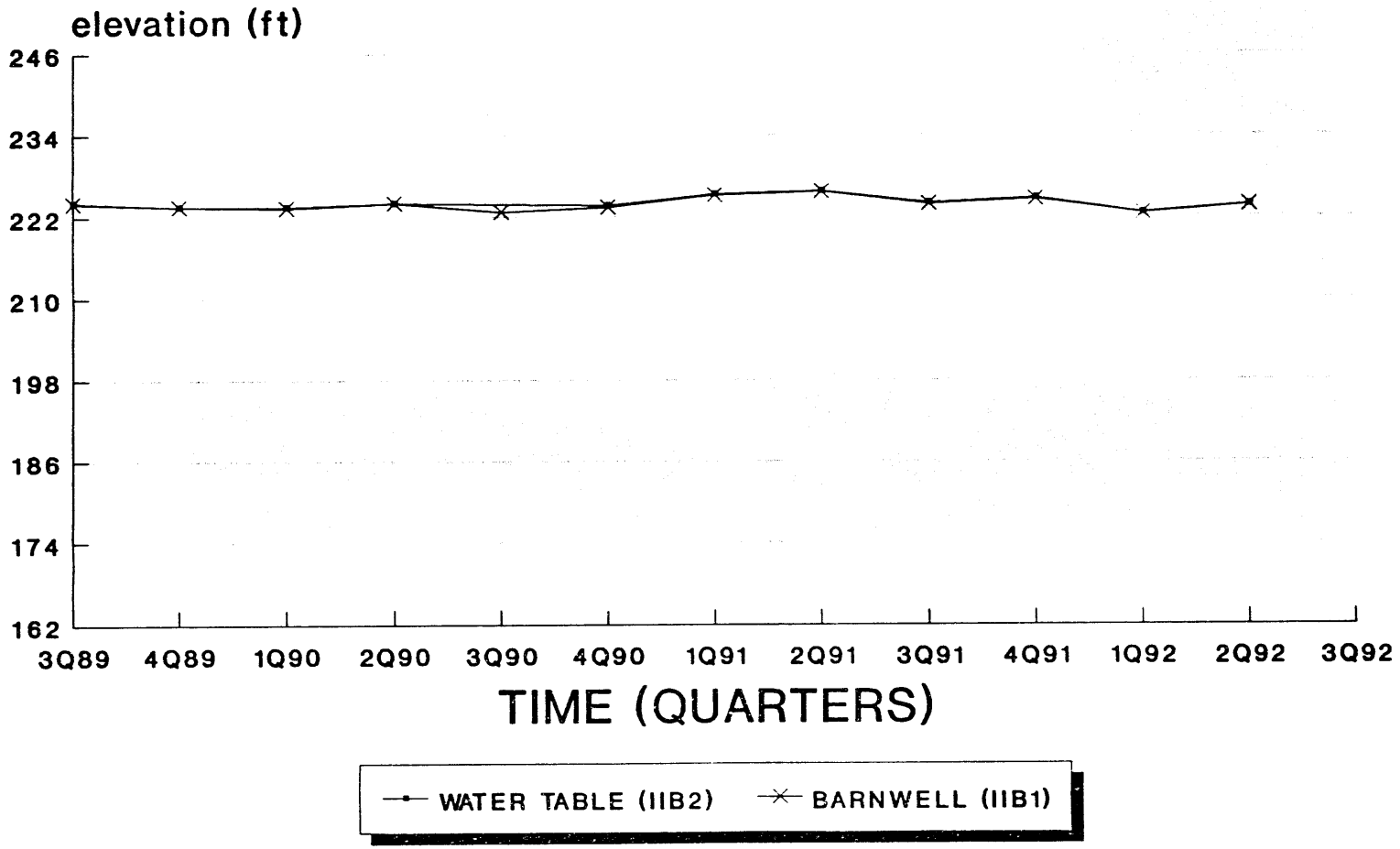
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB114

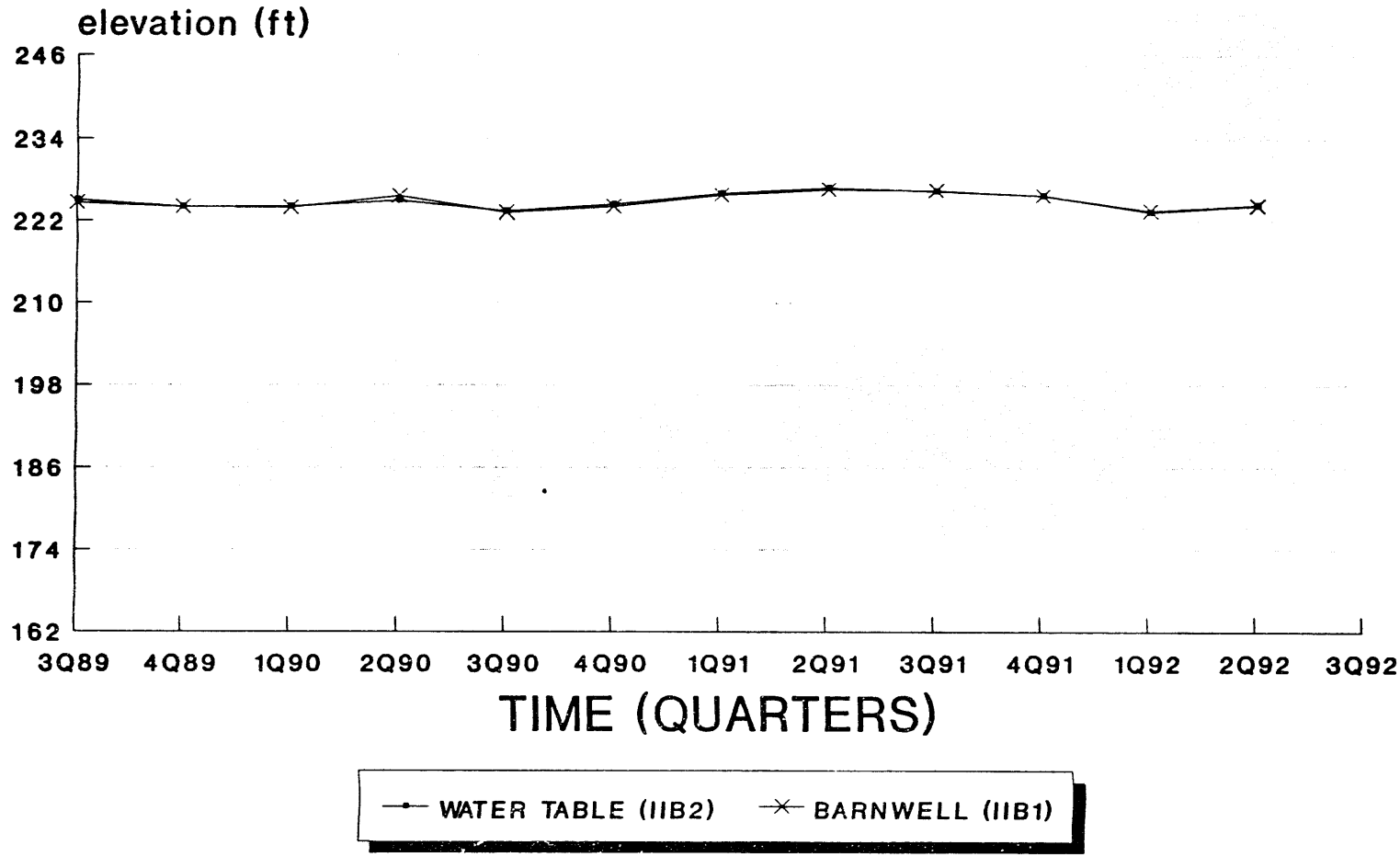
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB115

Water Elevations



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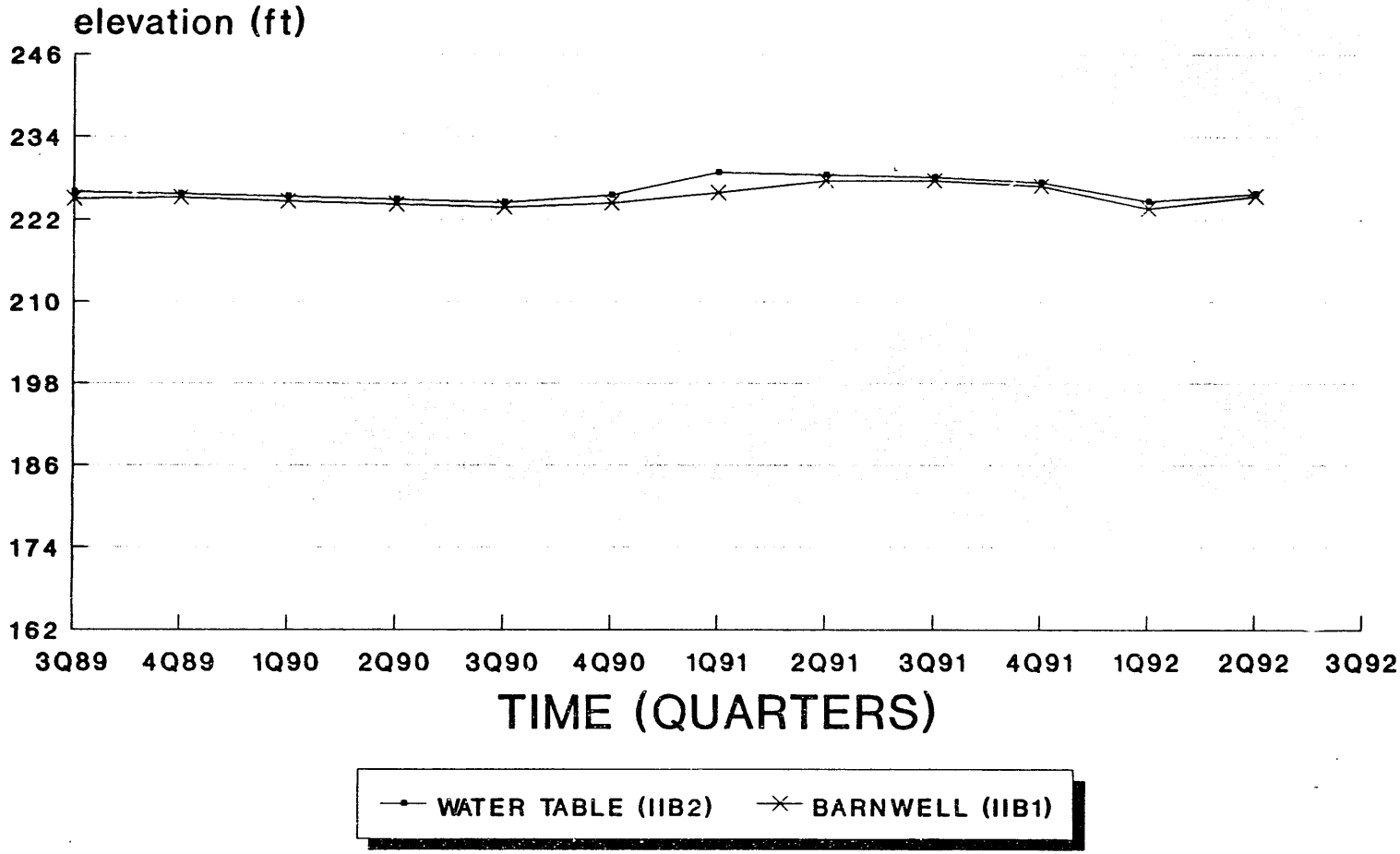
CLUSTER - HSB116

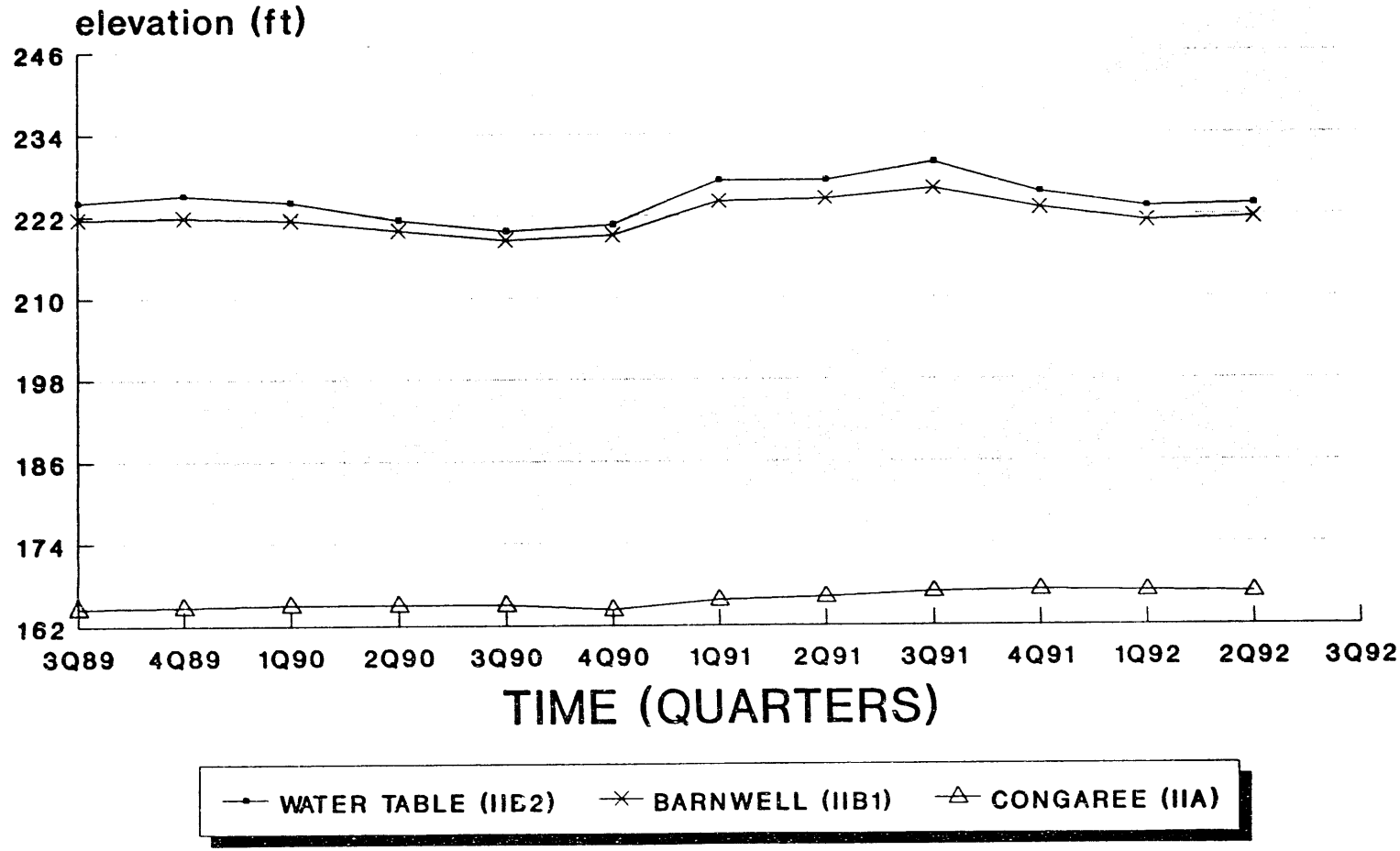
Water Elevations



empty space denotes no data or dry well

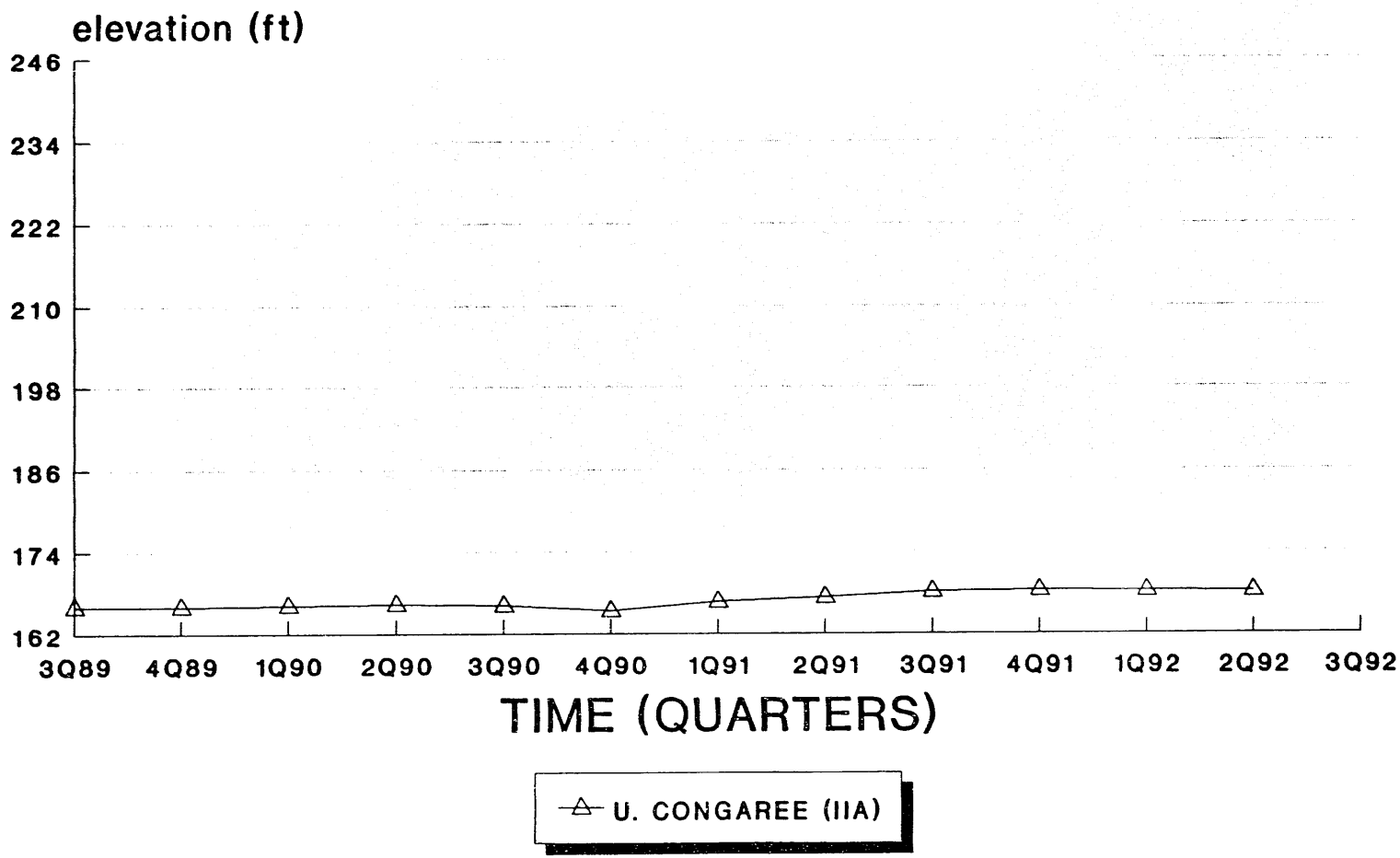
CLUSTER - HSB117

Water Elevations



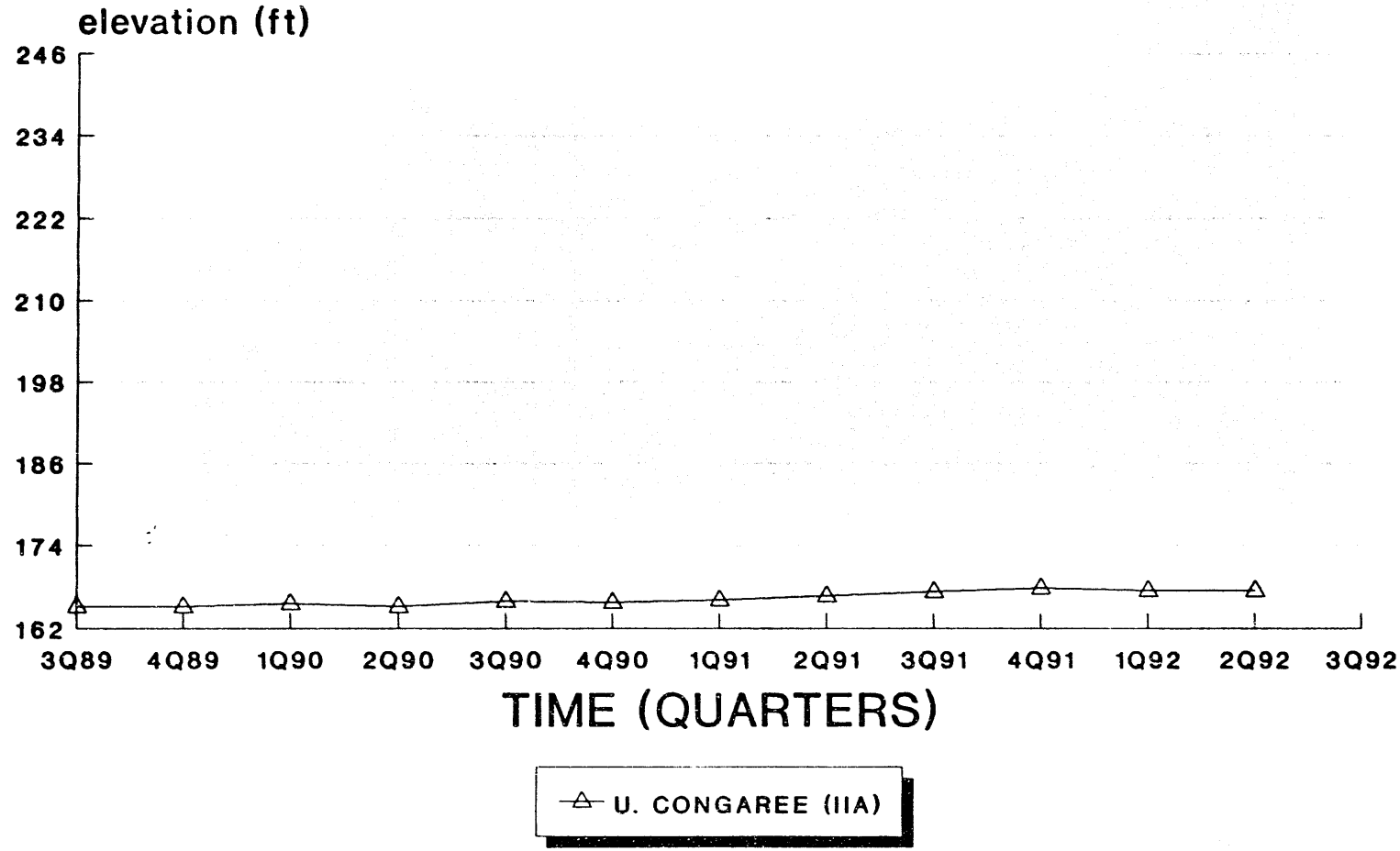
empty space denotes no data or dry well

HSB118A
Water Elevations



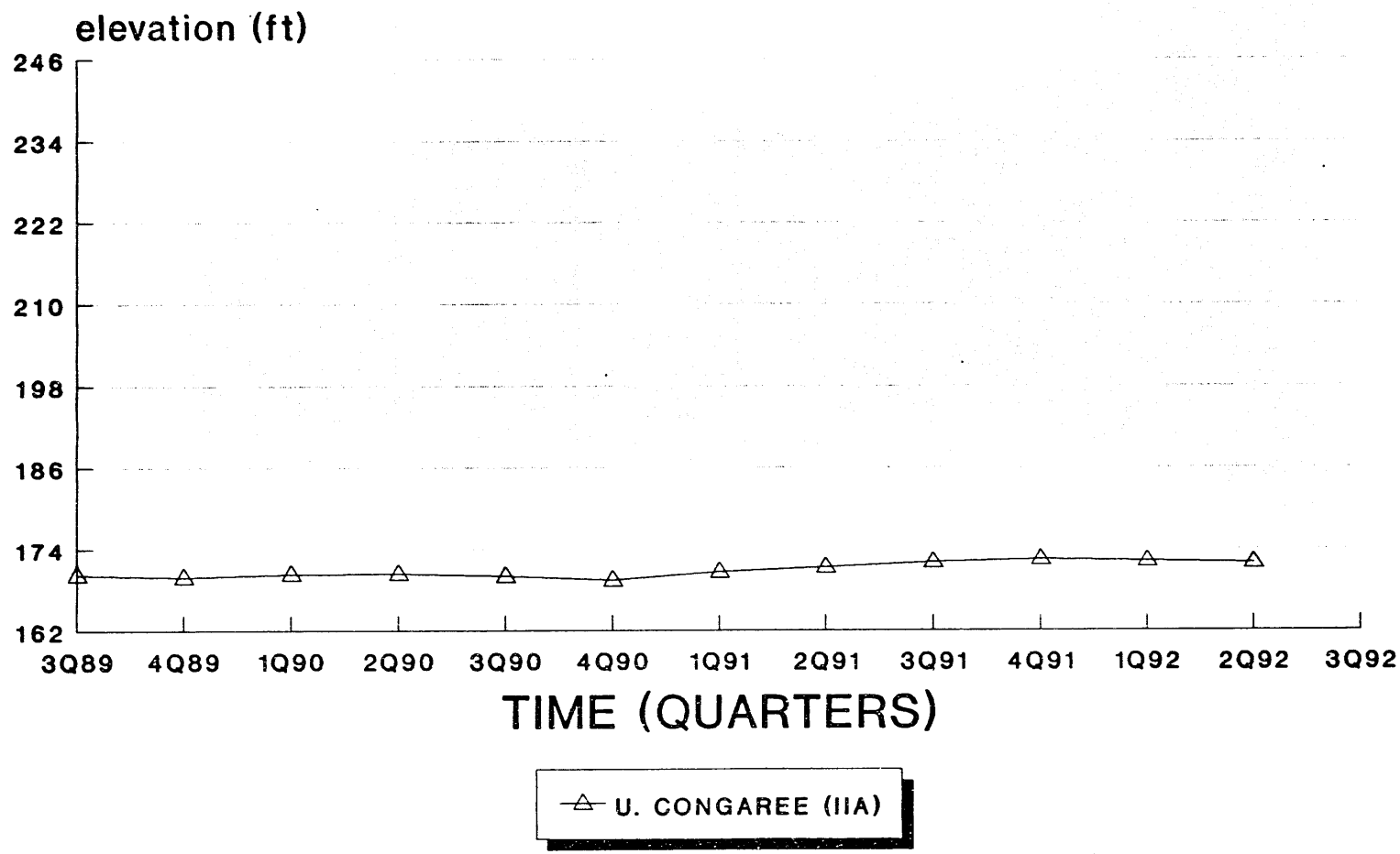
empty space denotes no data or dry well

HSB119A
Water Elevations



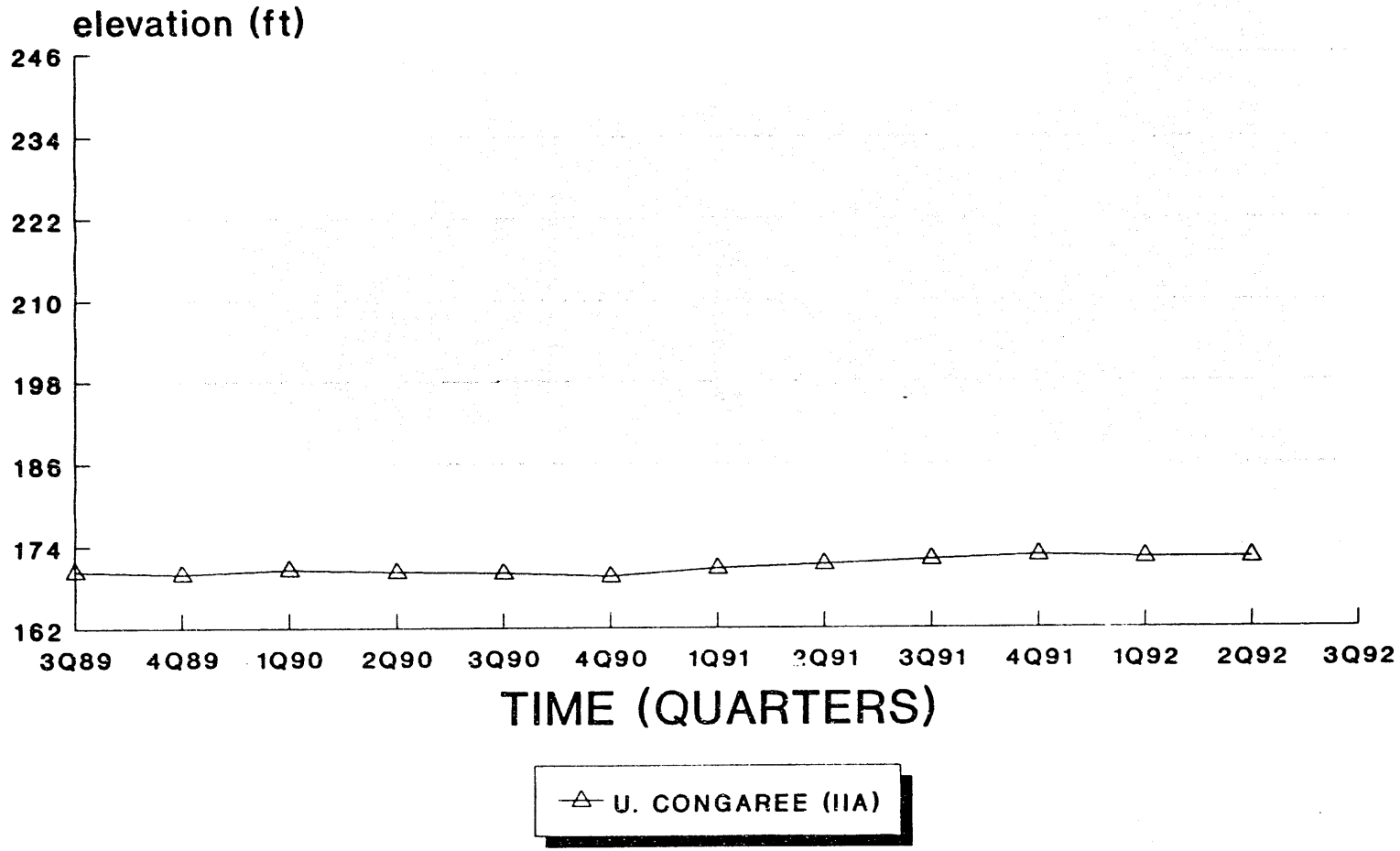
empty space denotes no data or dry well

HSB122A
Water Elevations



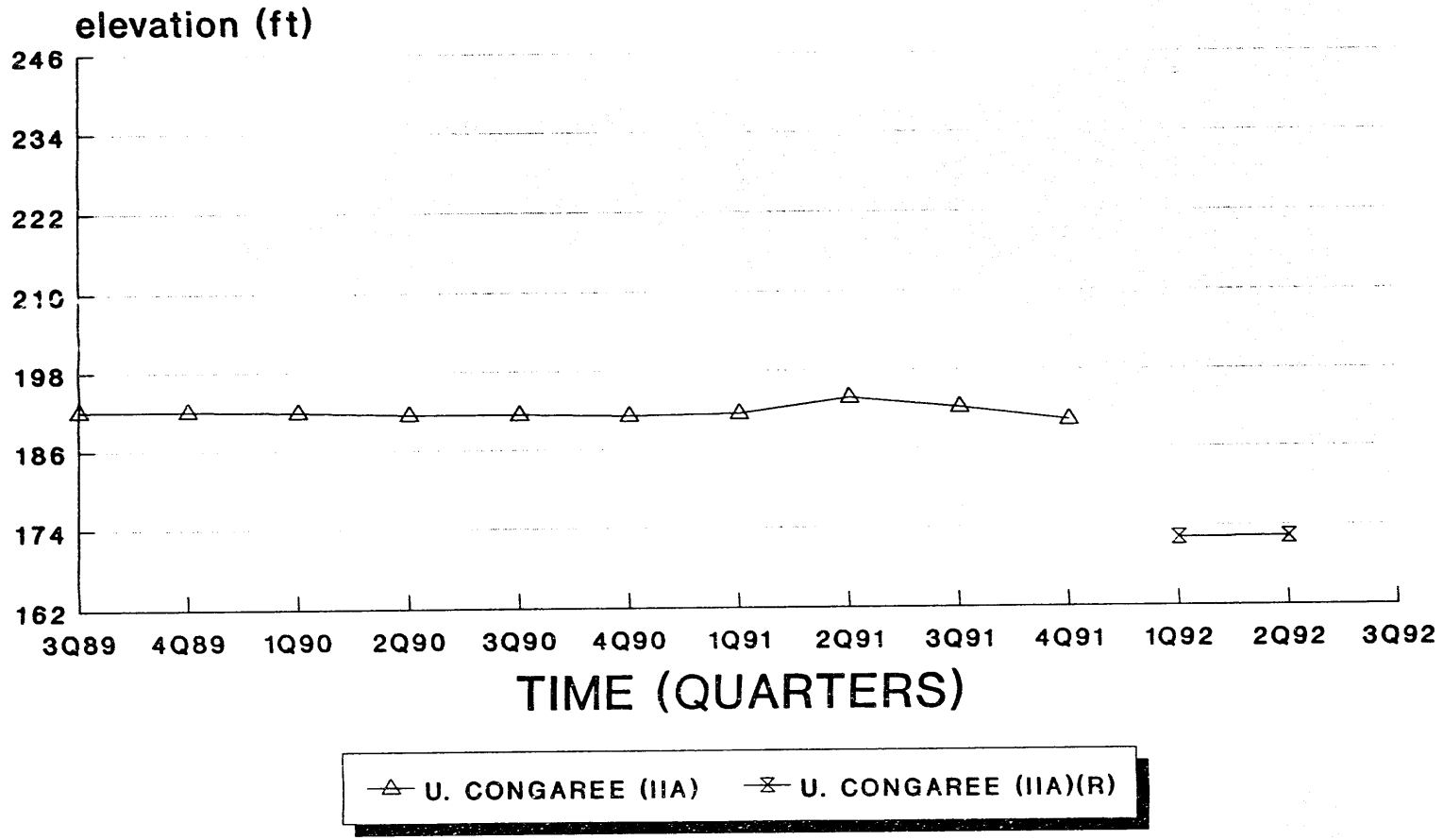
empty space denotes no data or dry well

HSB123A
Water Elevations



empty space denotes no data or dry well

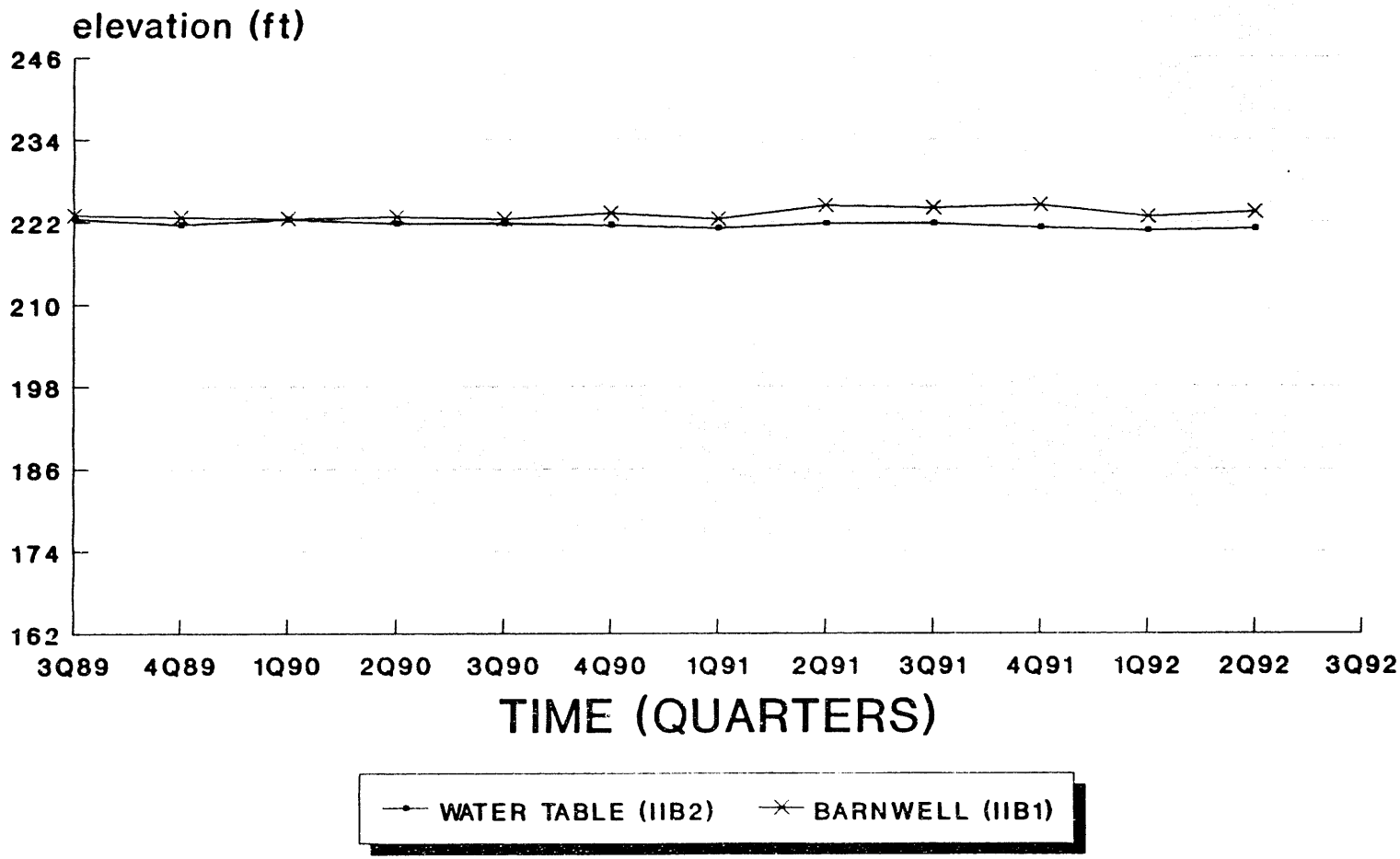
HSB124A
Water Elevations



empty space denotes no data or dry well
(R) denotes replacement well

CLUSTER - HSB125

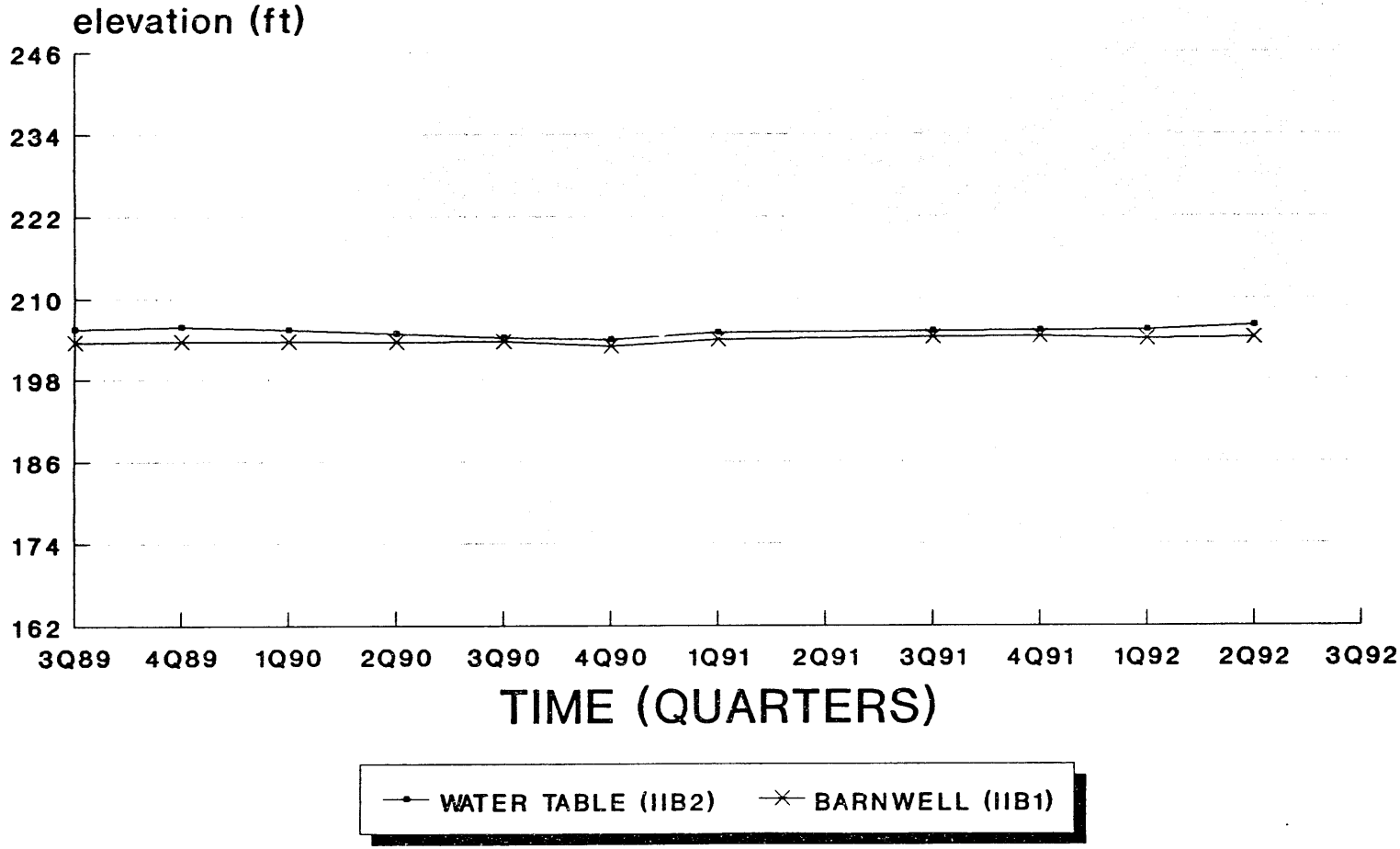
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB126

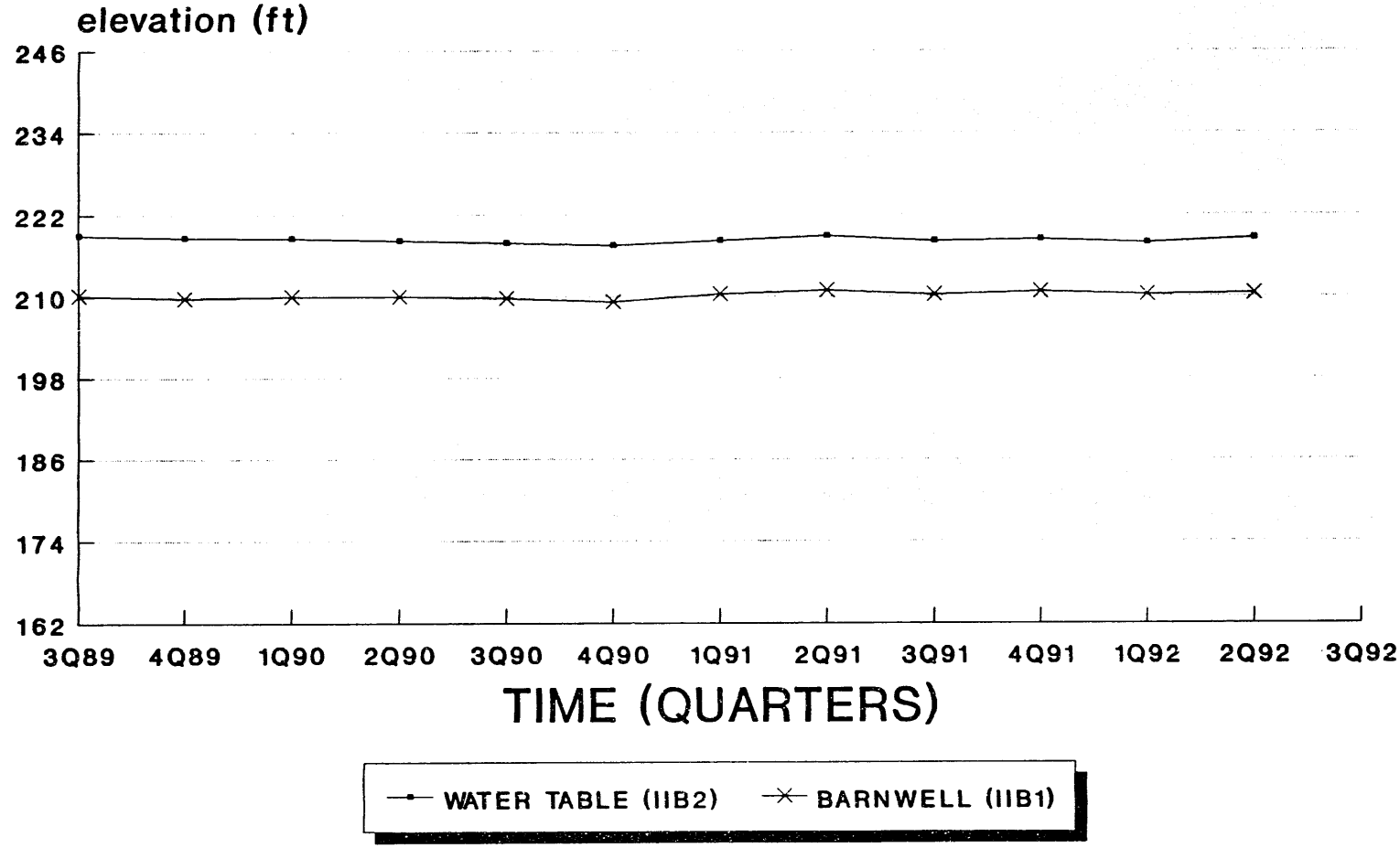
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB127

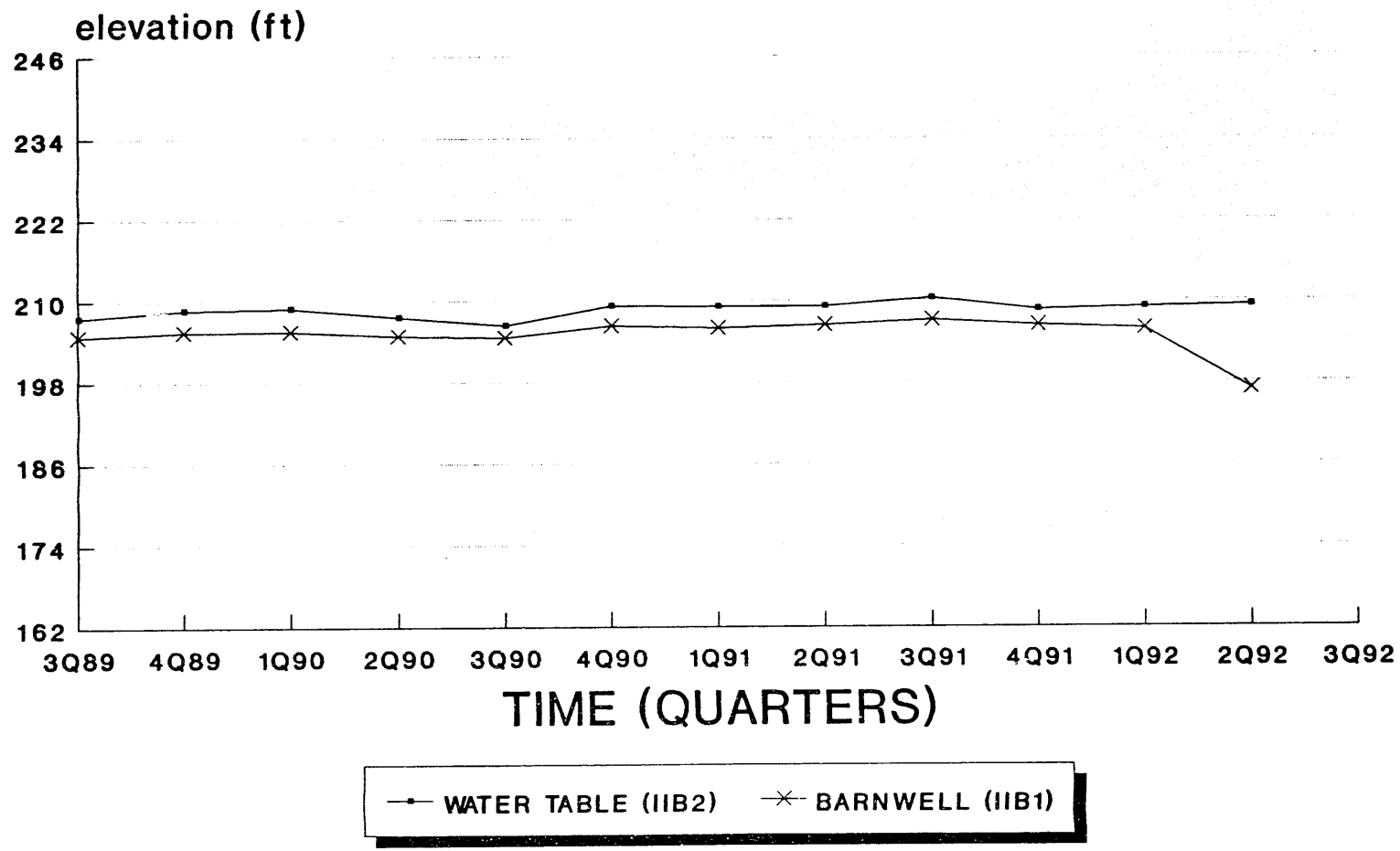
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB129

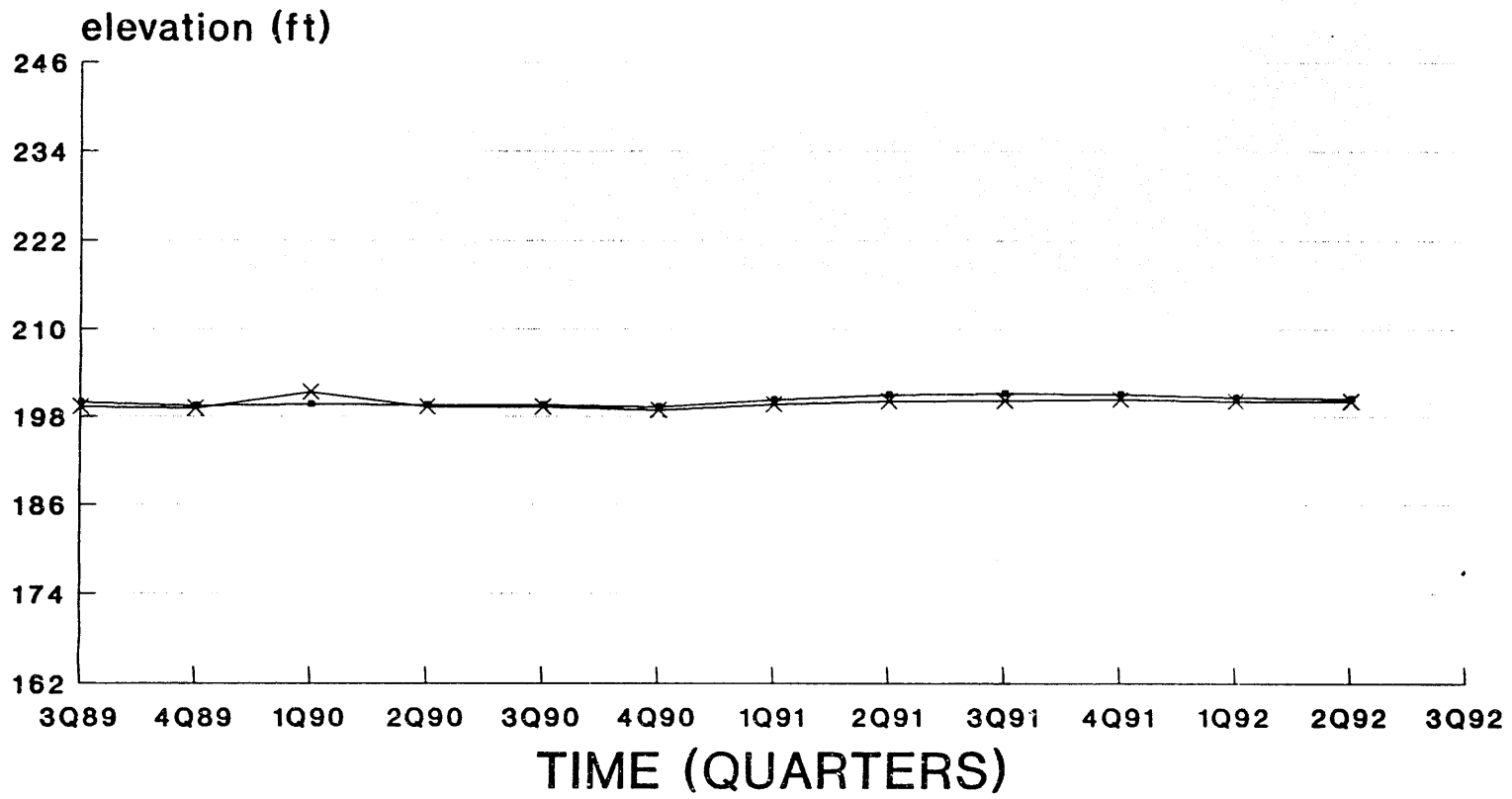
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB130

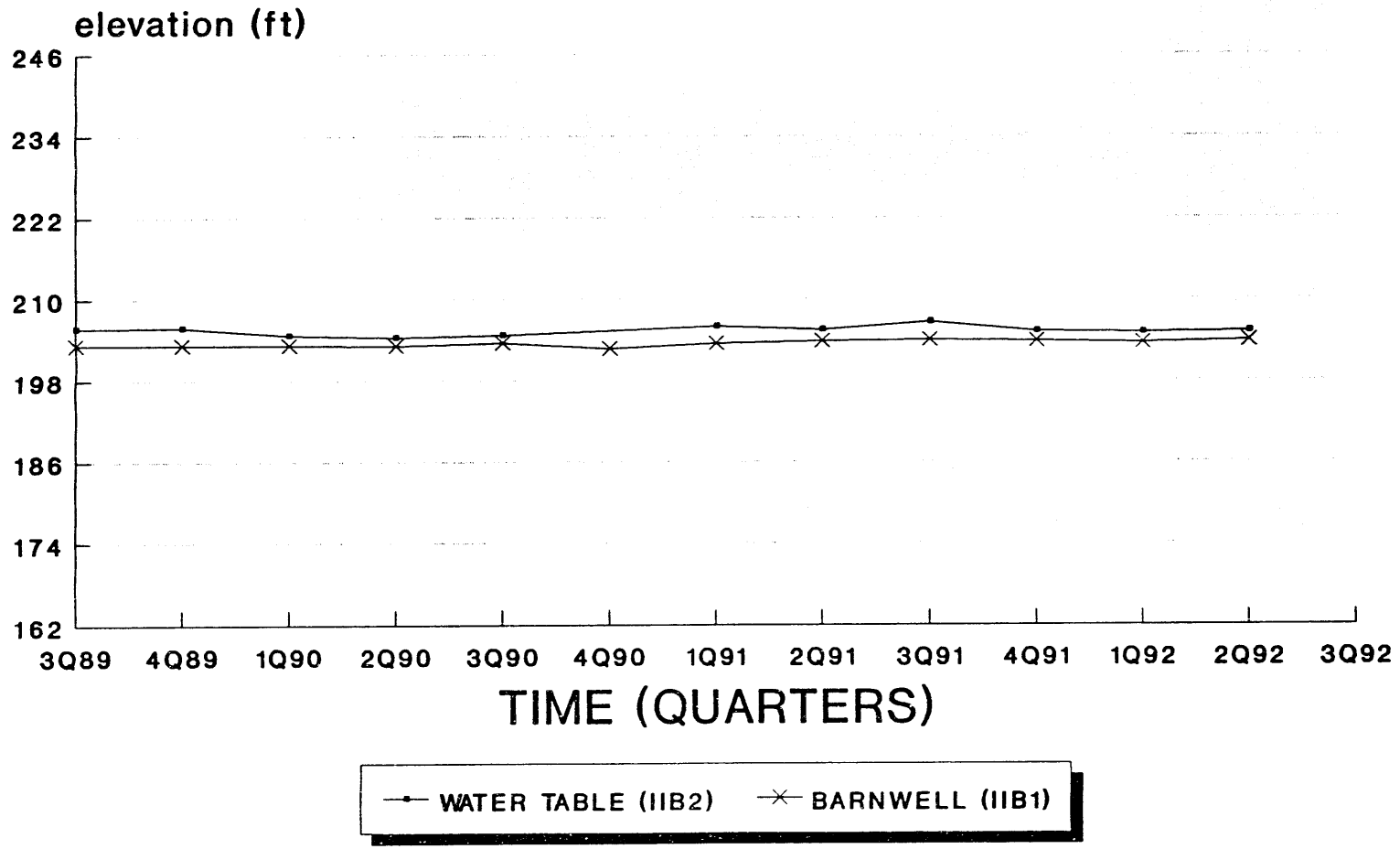
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB131

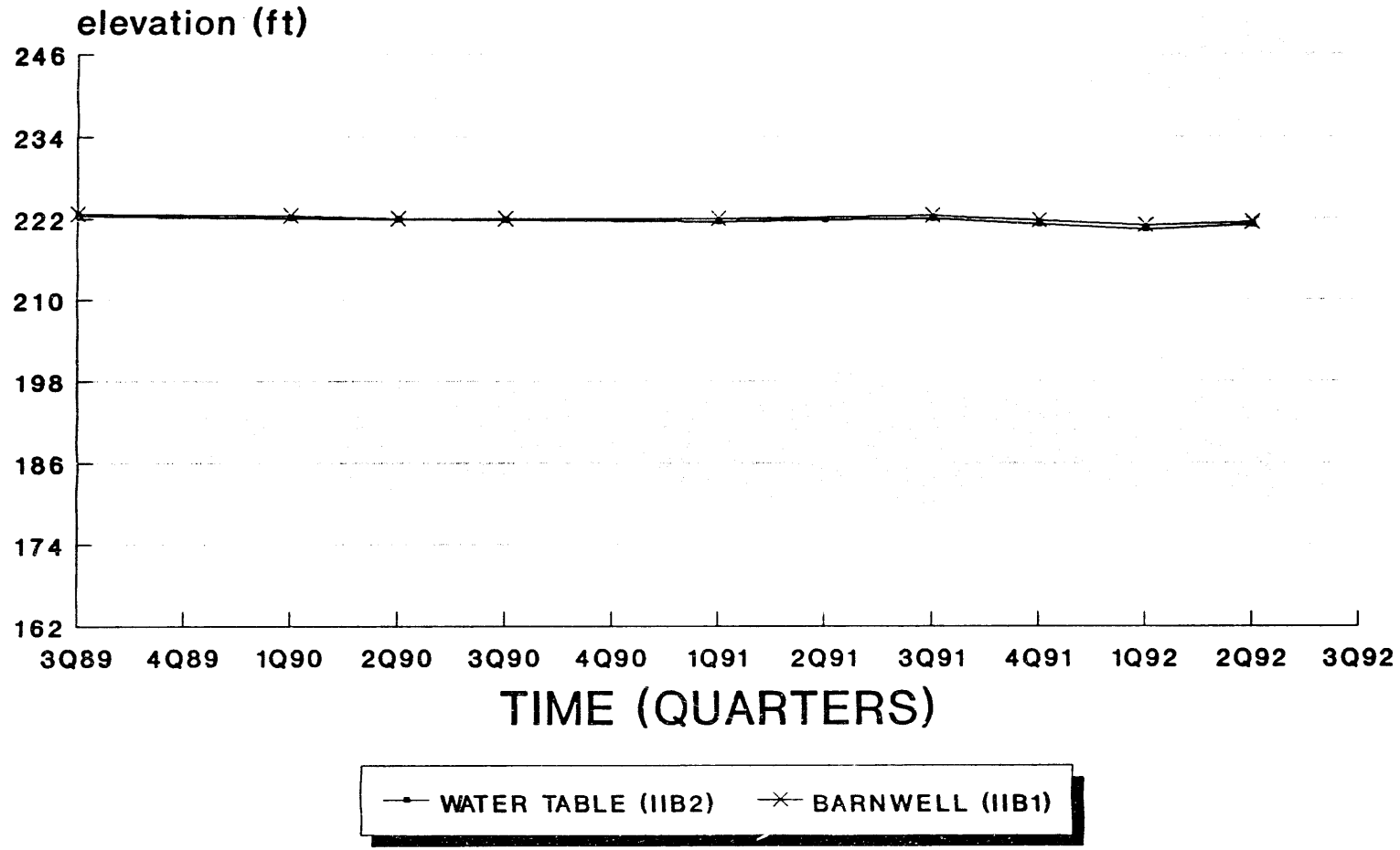
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB132

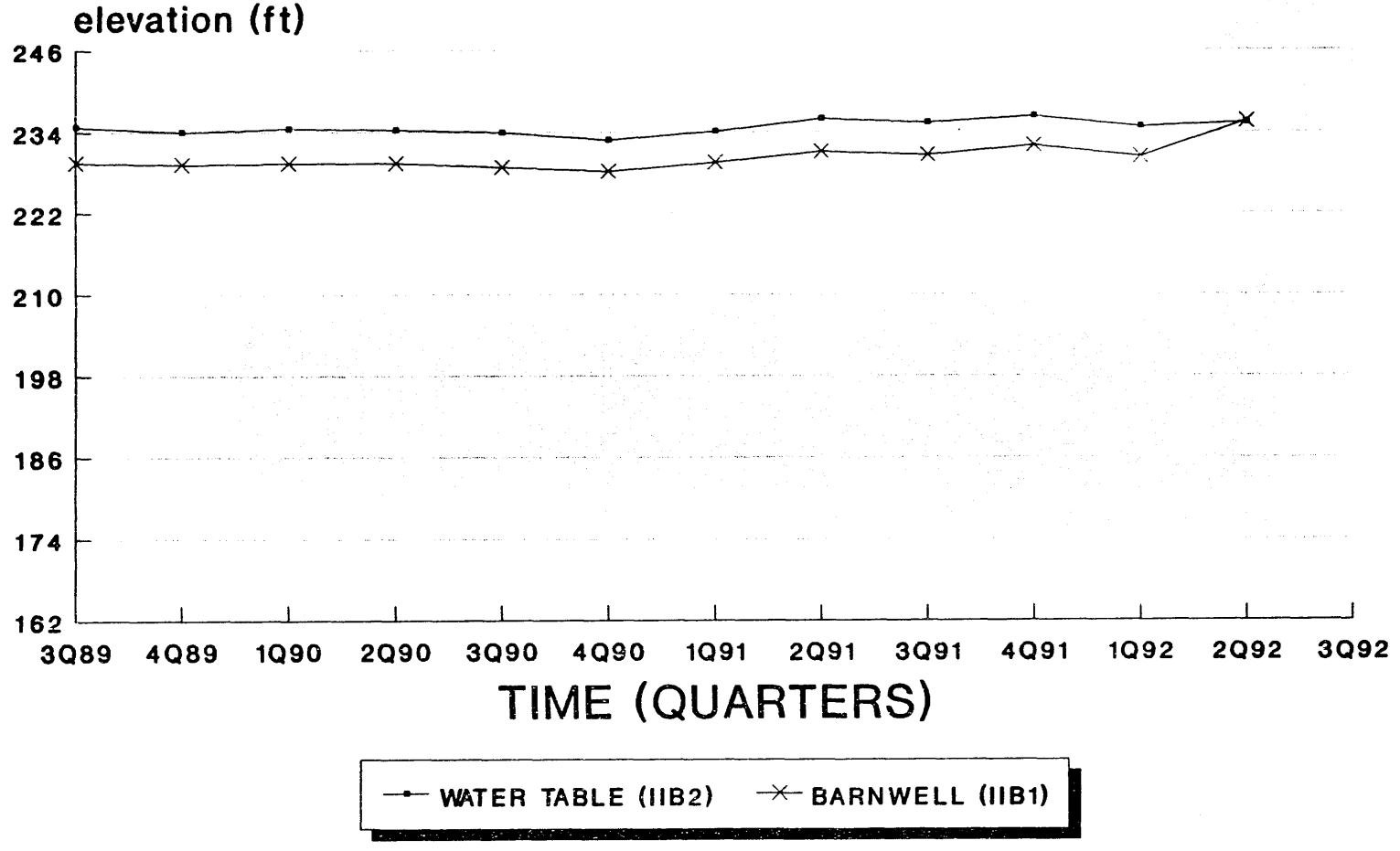
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB133

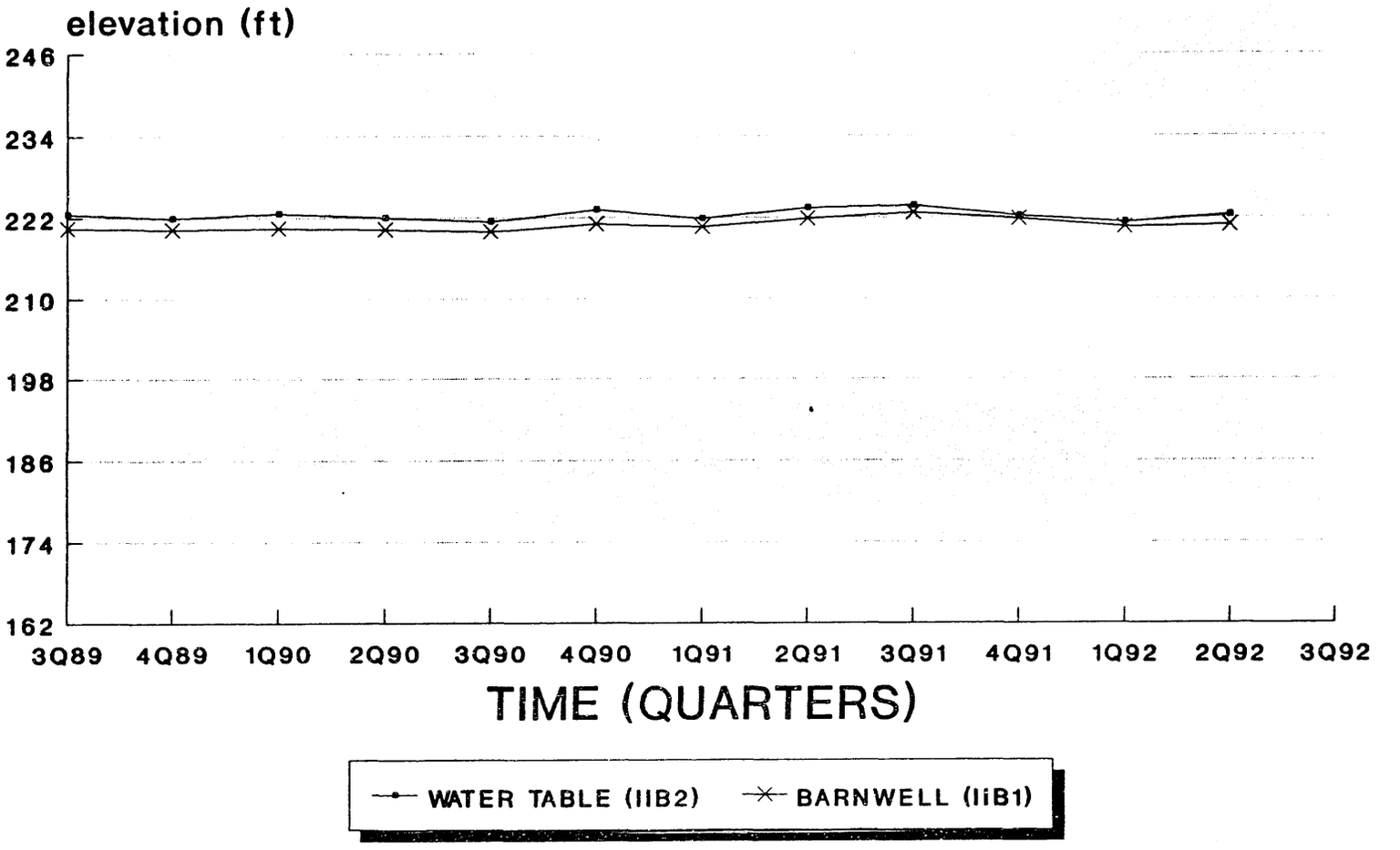
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB134

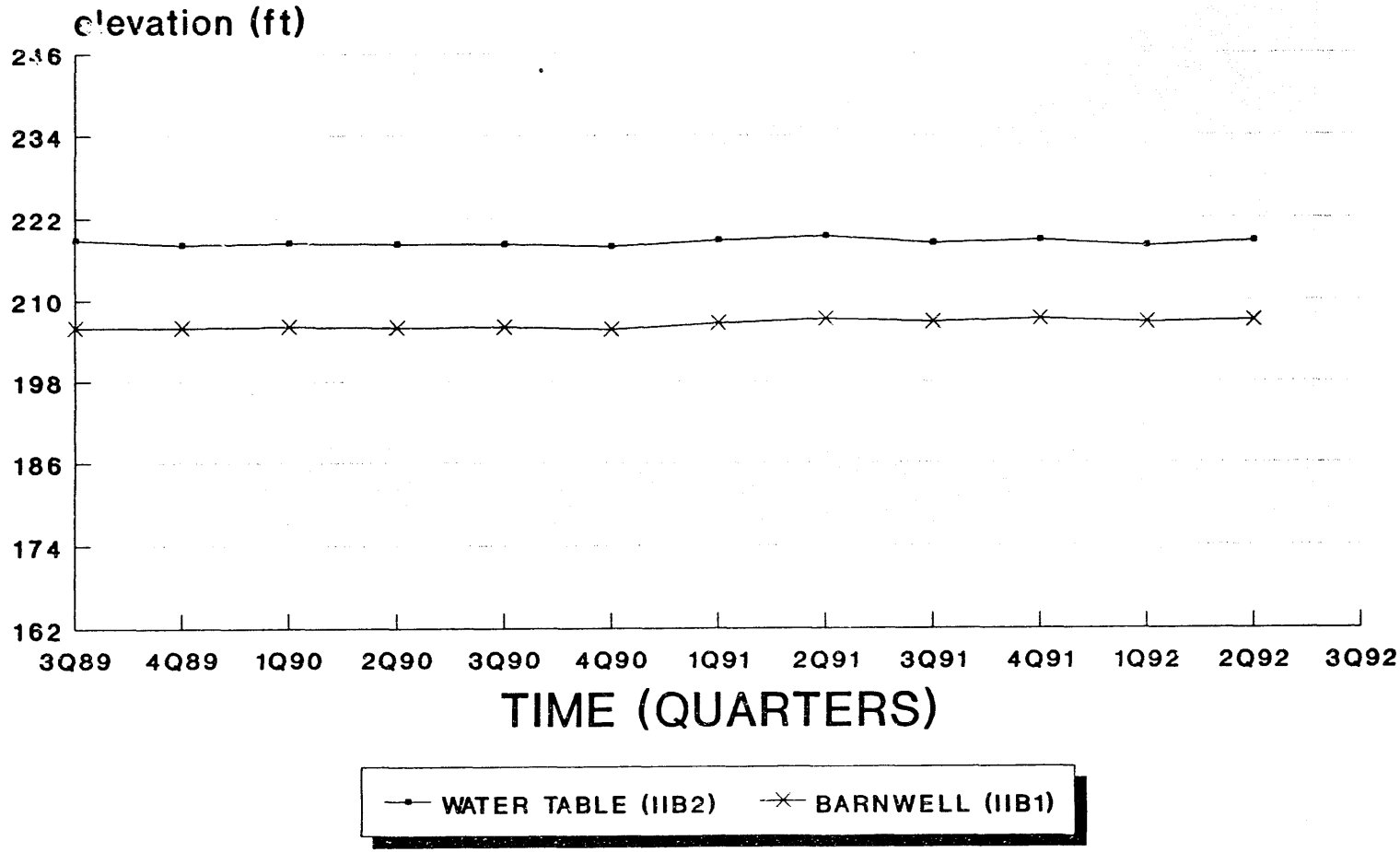
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB135

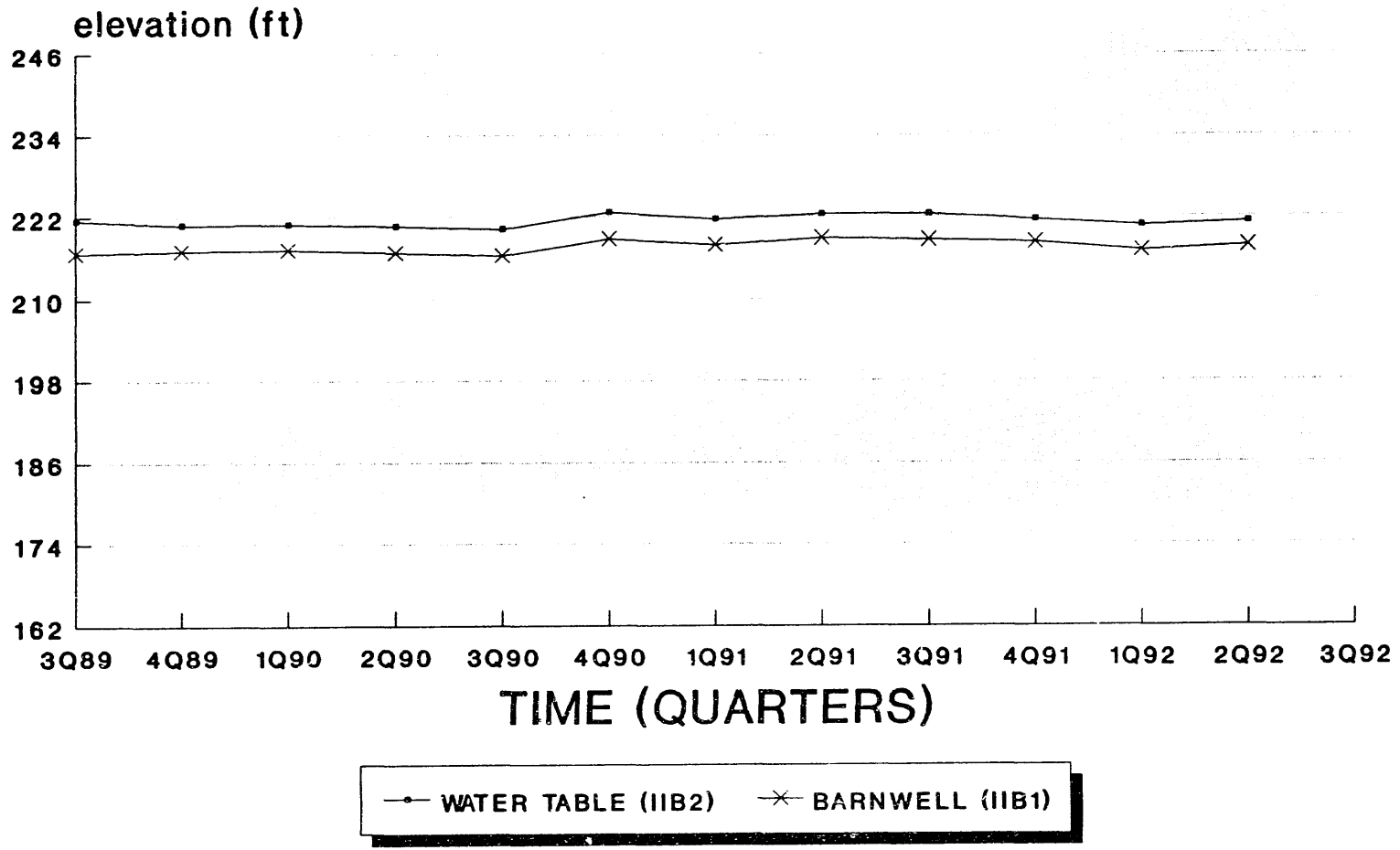
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB136

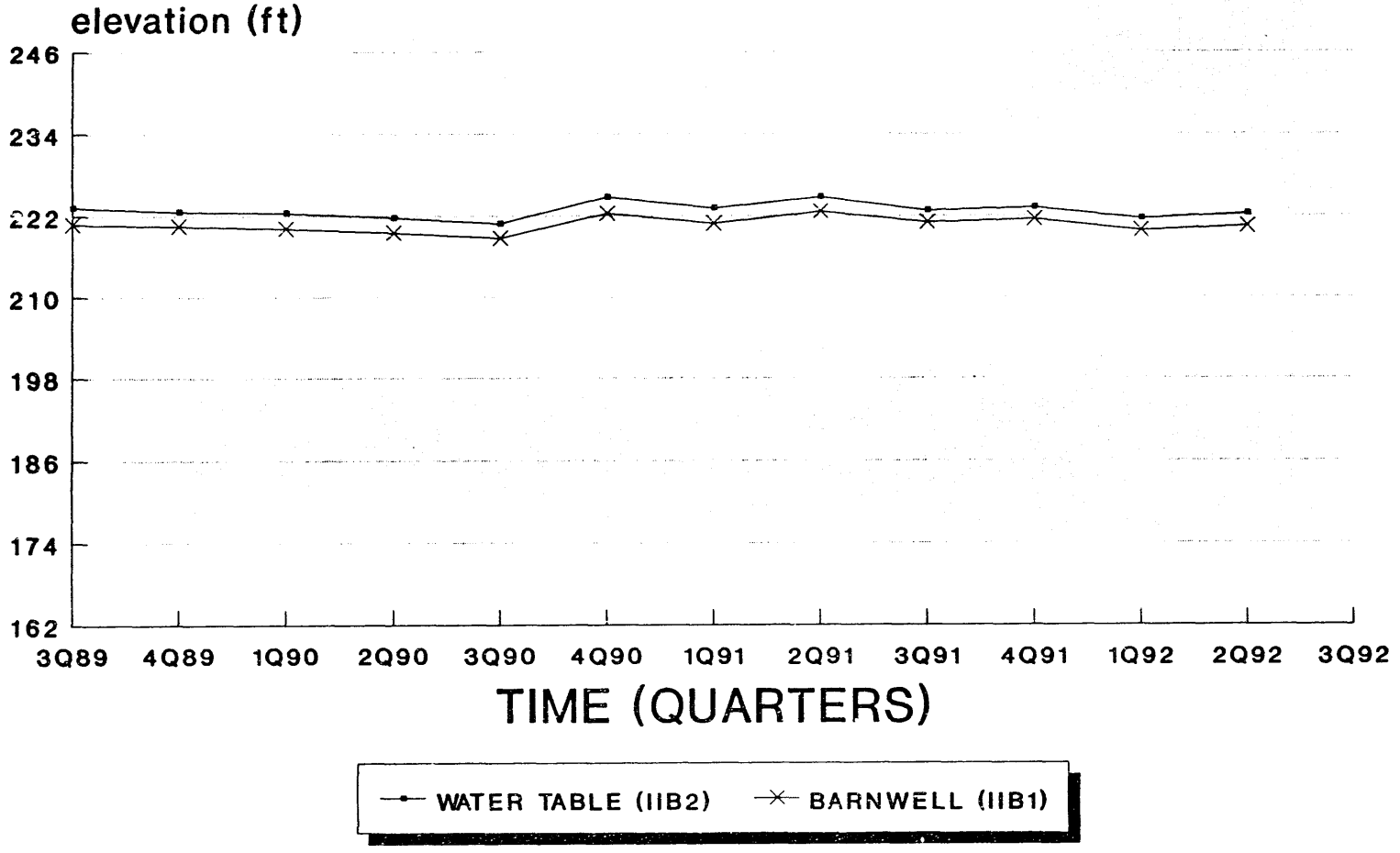
Water Elevations



empty space denotes no data or dry well

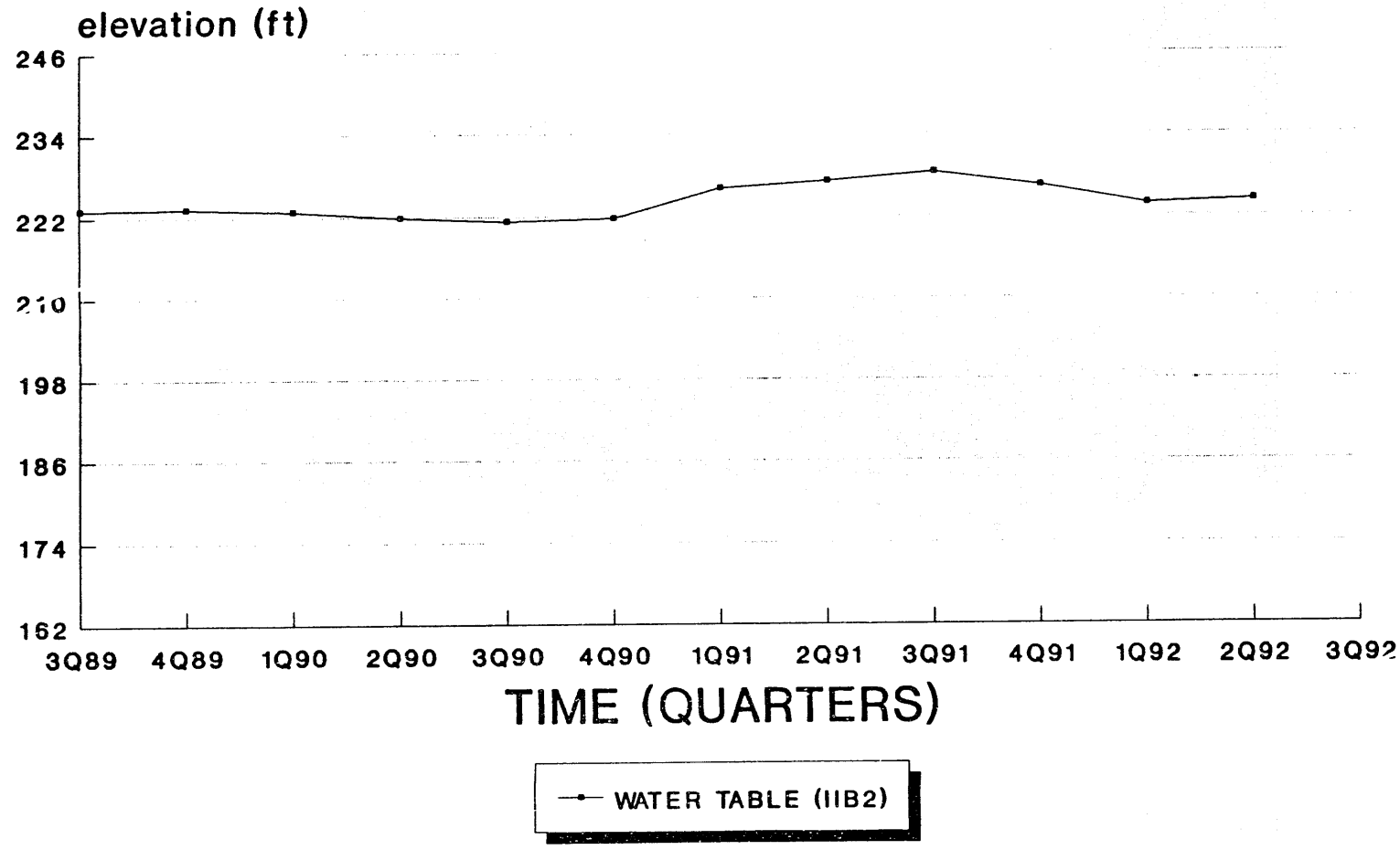
CLUSTER - HSB137

Water Elevations



empty space denotes no data or dry well

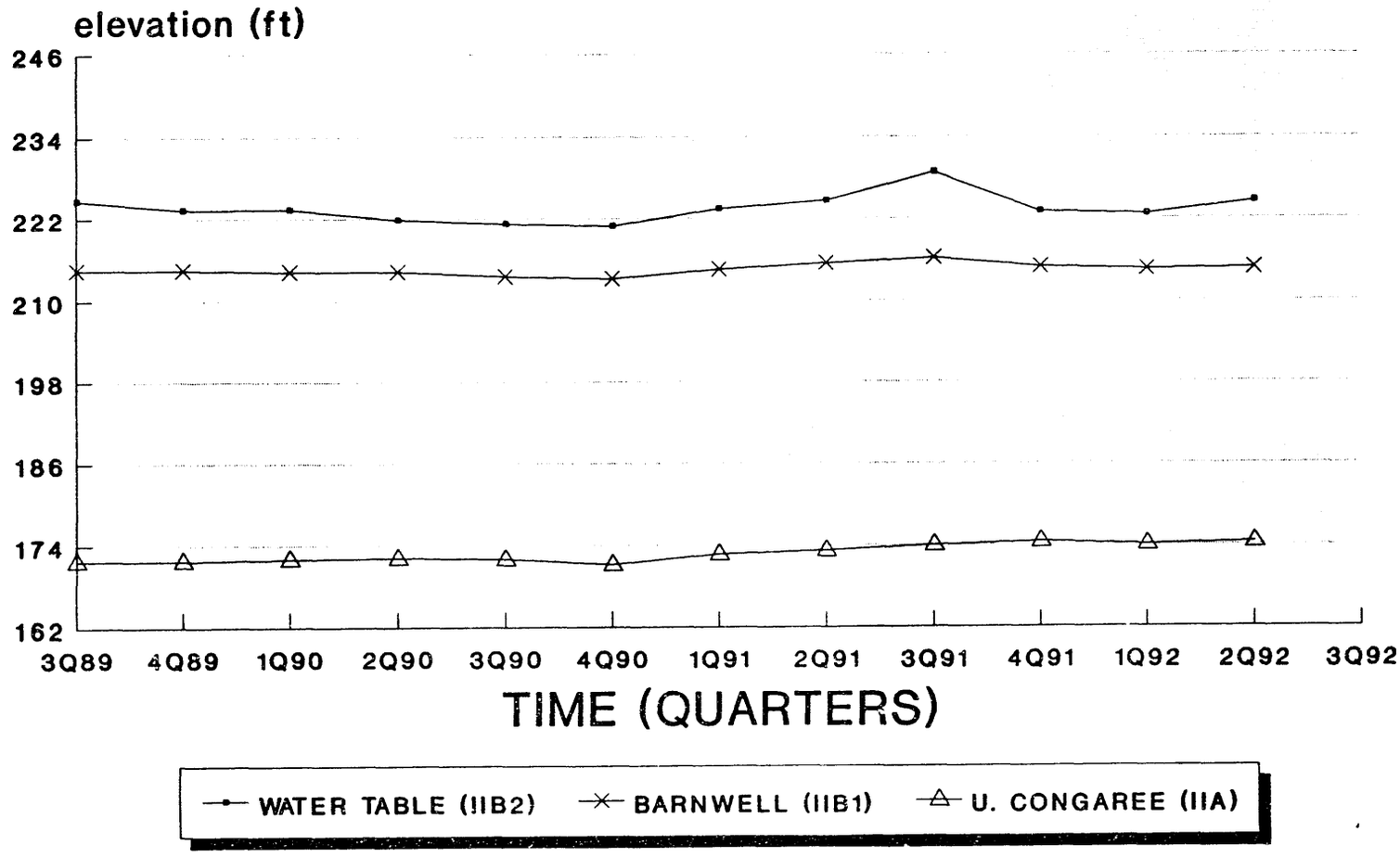
HSB138D
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB139

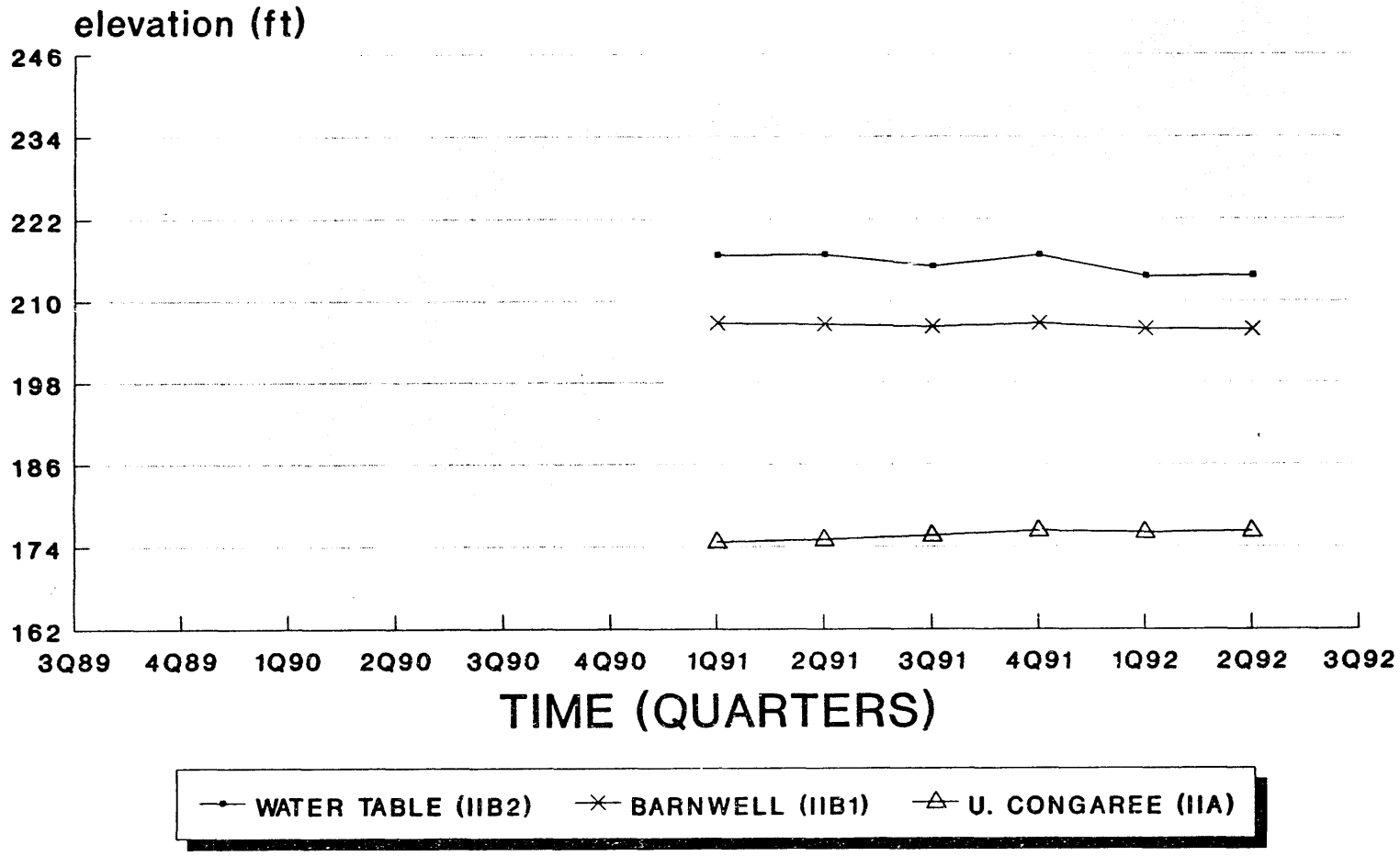
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB140

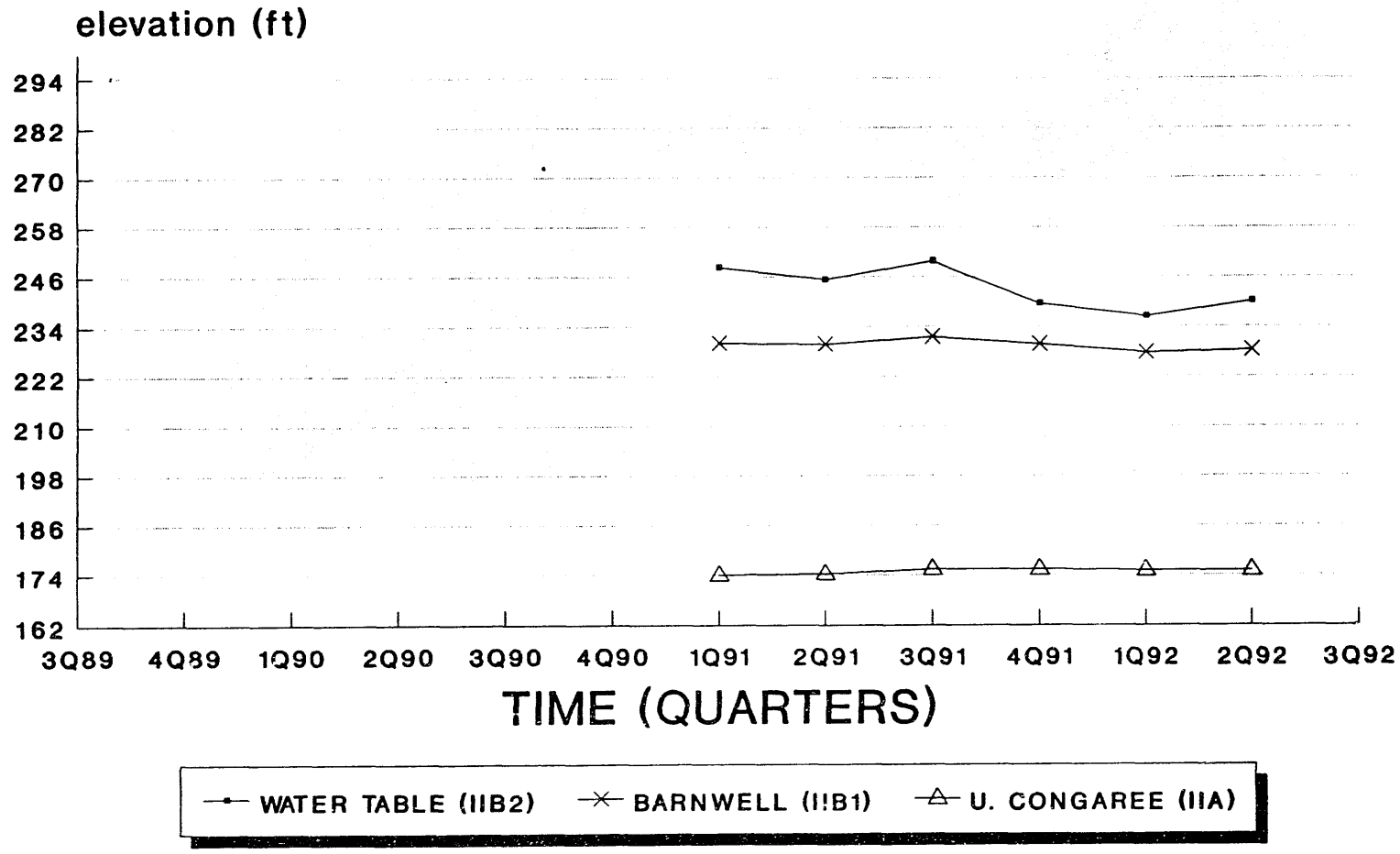
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB141

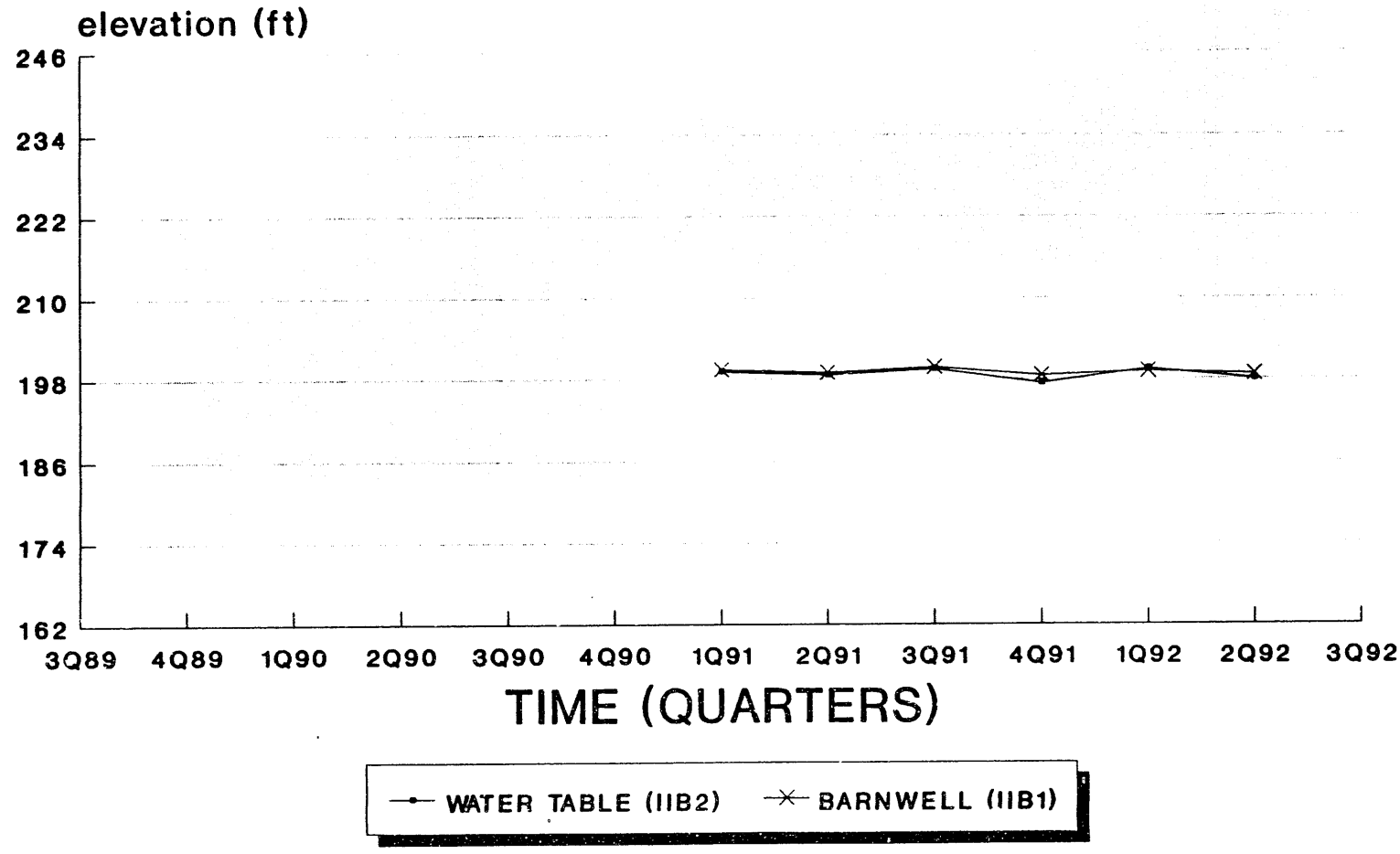
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB142

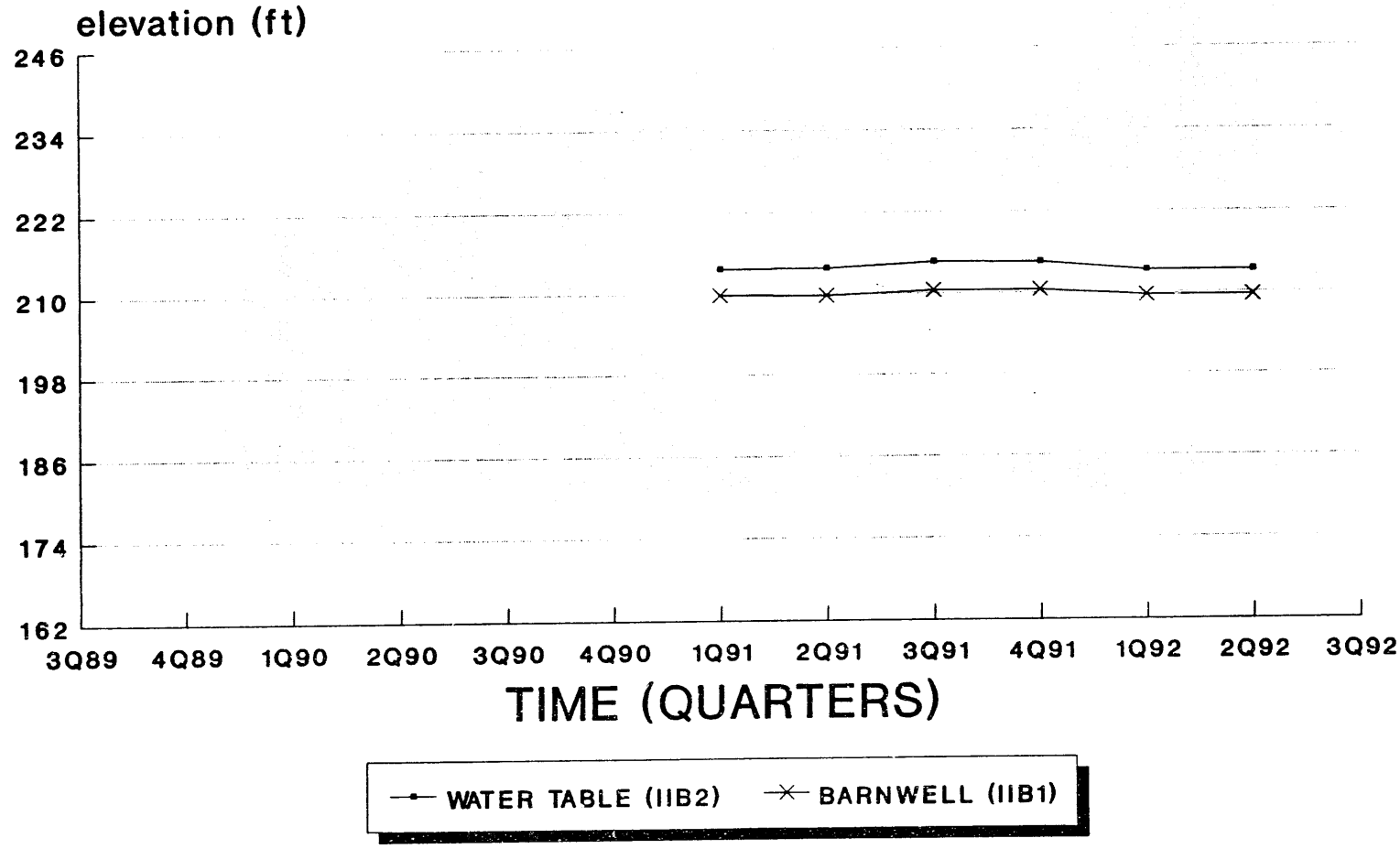
Water Elevations



empty space denotes no data or dry well

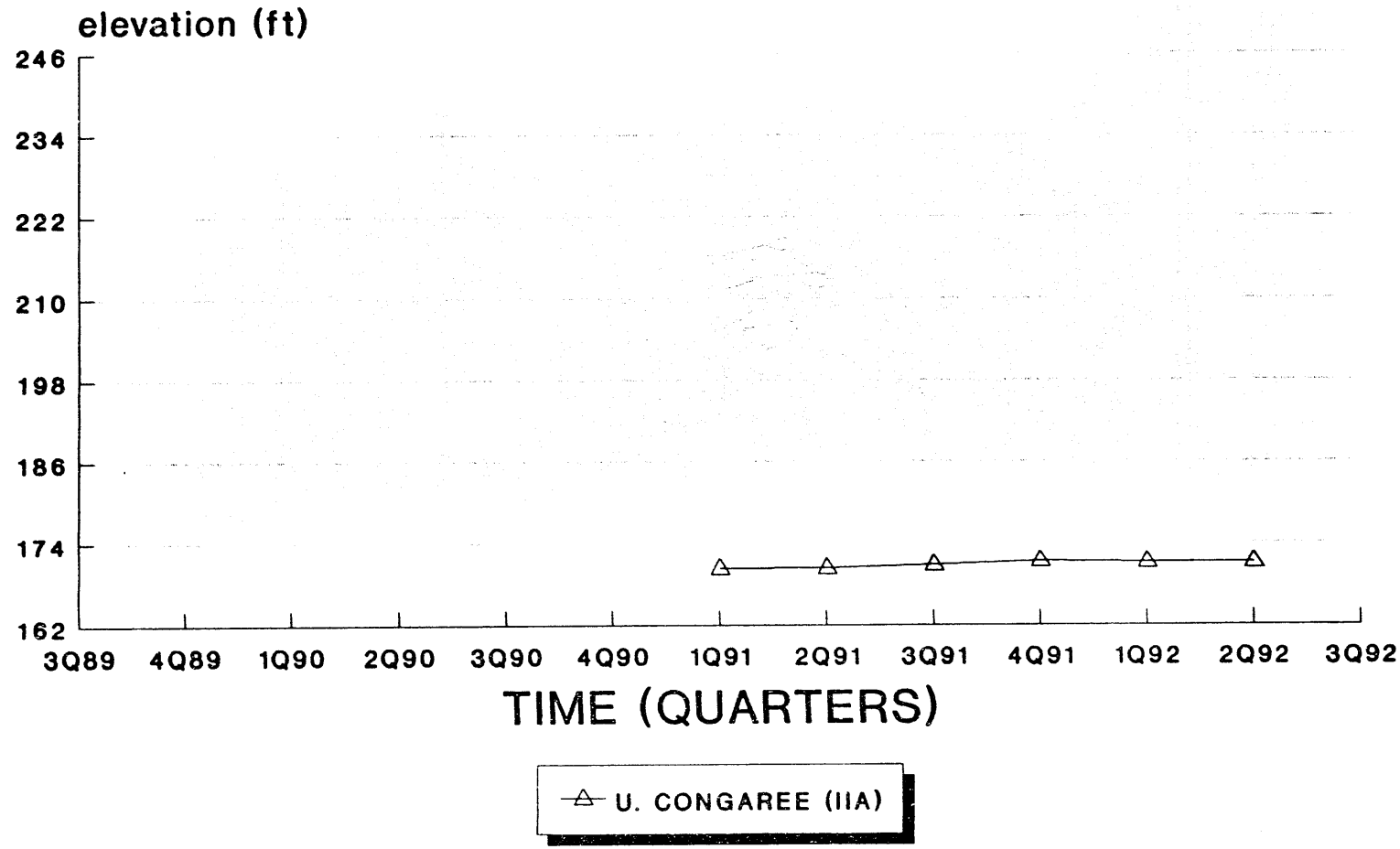
CLUSTER - HSB143

Water Elevations



empty space denotes no data or dry well

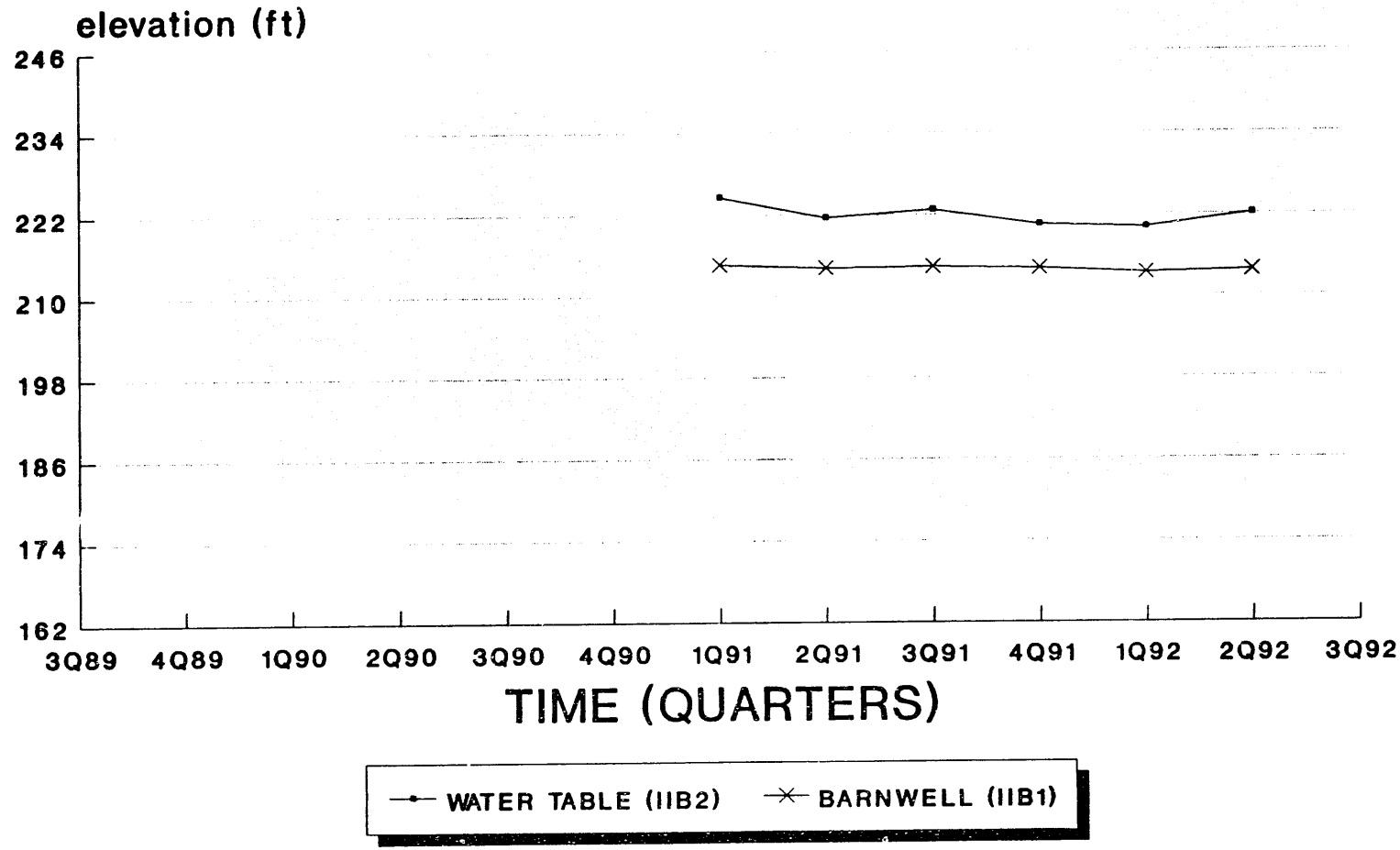
HSB144A
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB145

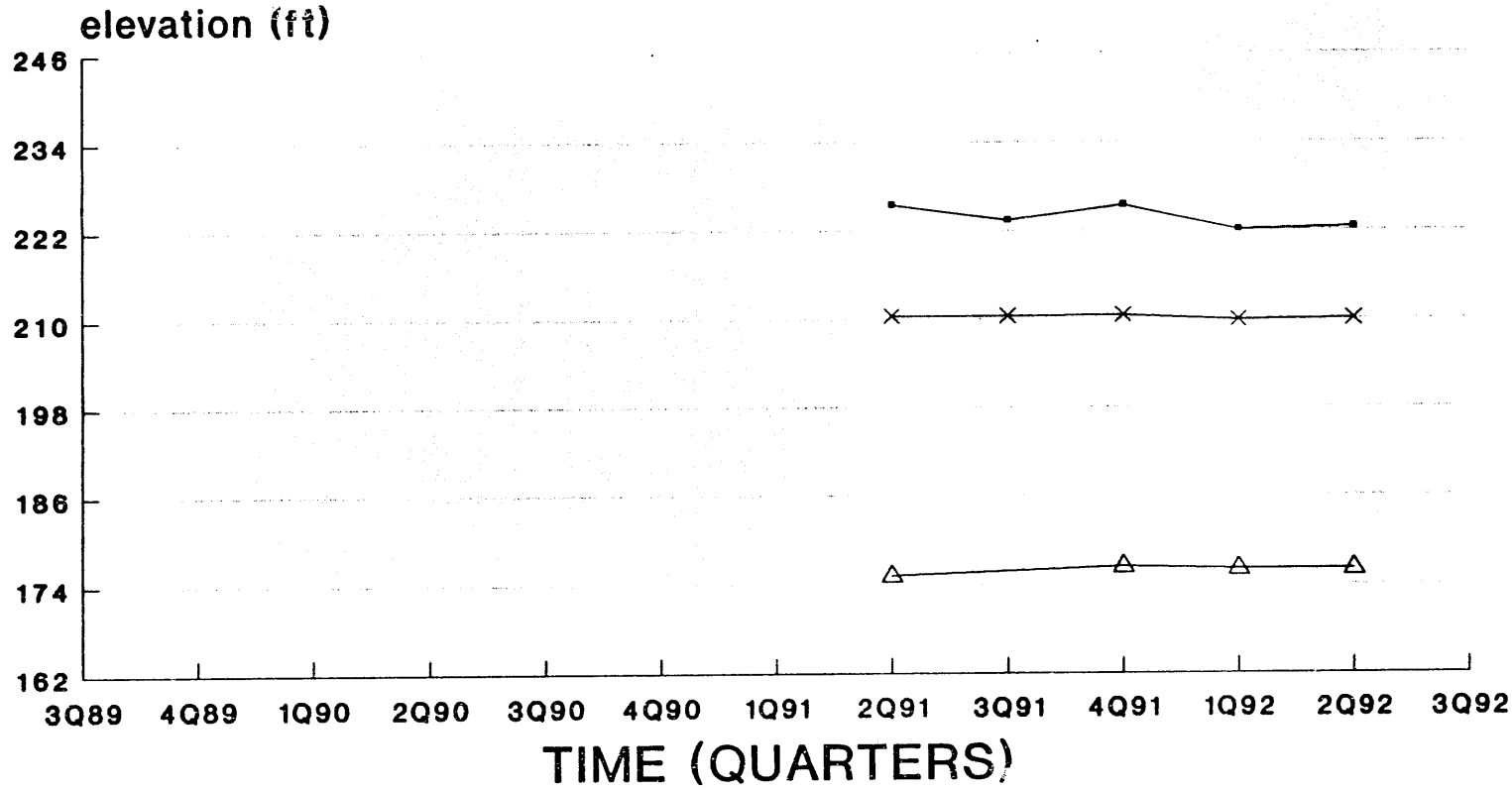
Water Elevations



empty space denotes no data or dry well

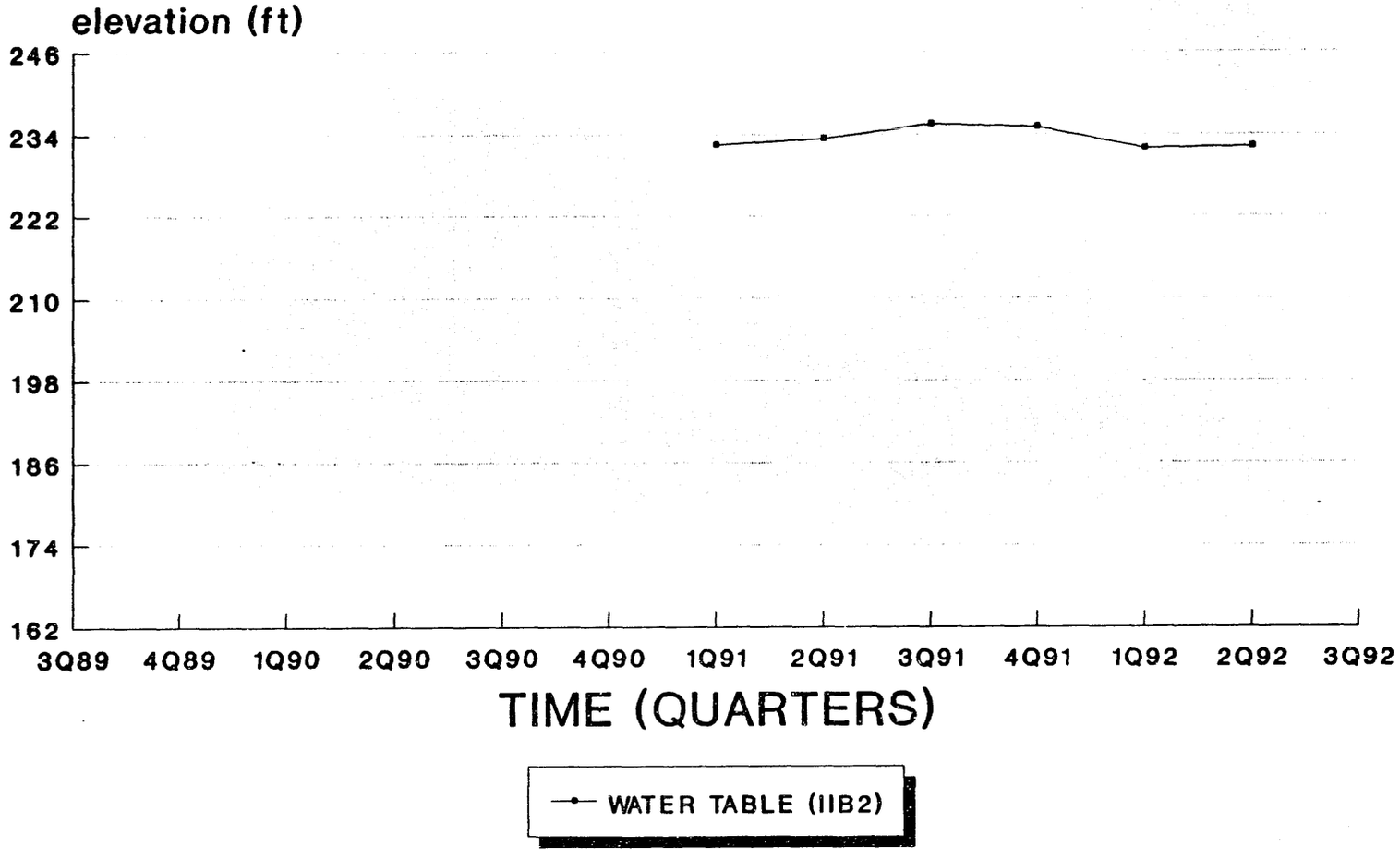
CLUSTER - HSB146

Water Elevations



empty space denotes no data or dry well

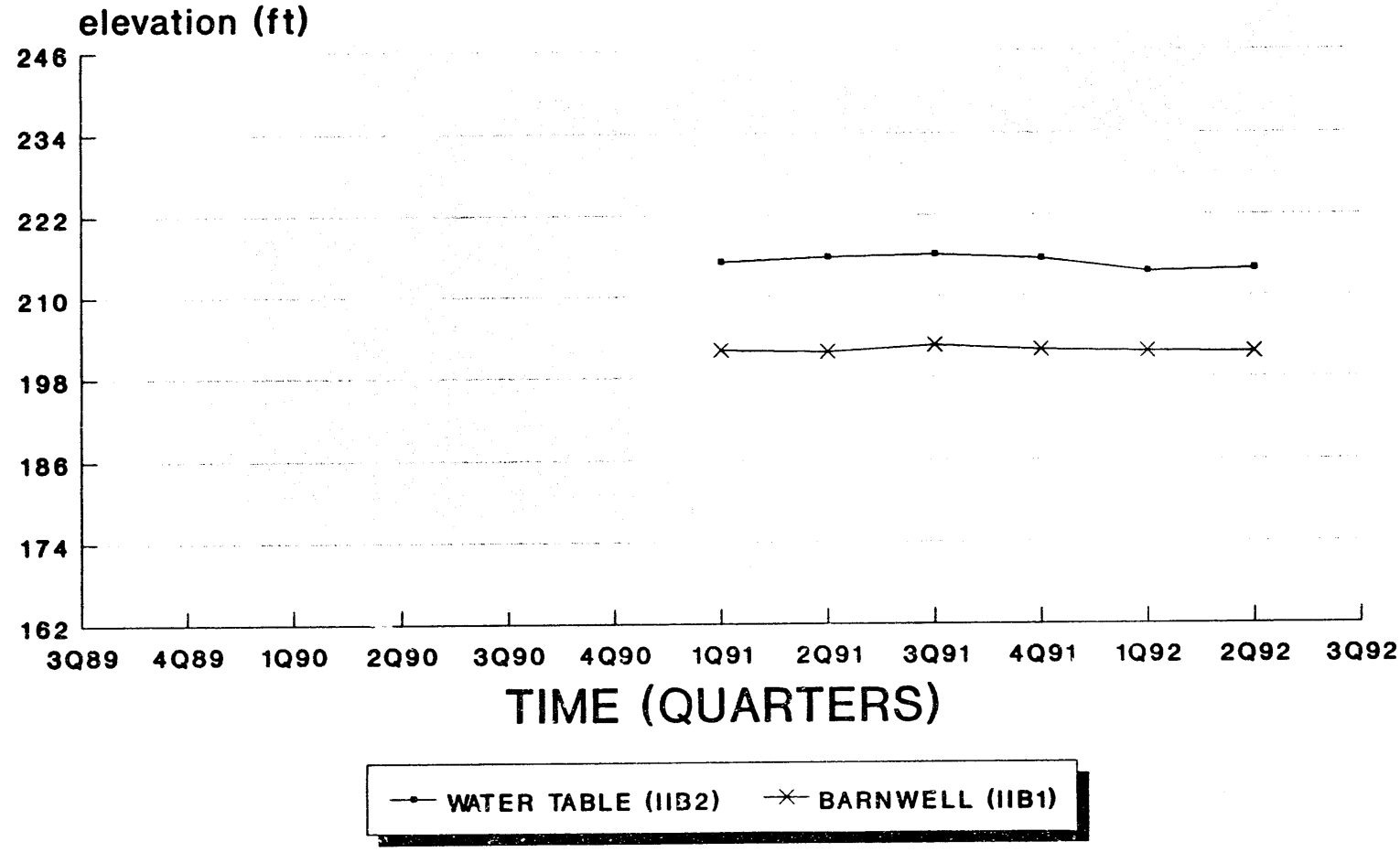
HSB147D
Water Elevations



empty space denotes no data or dry well

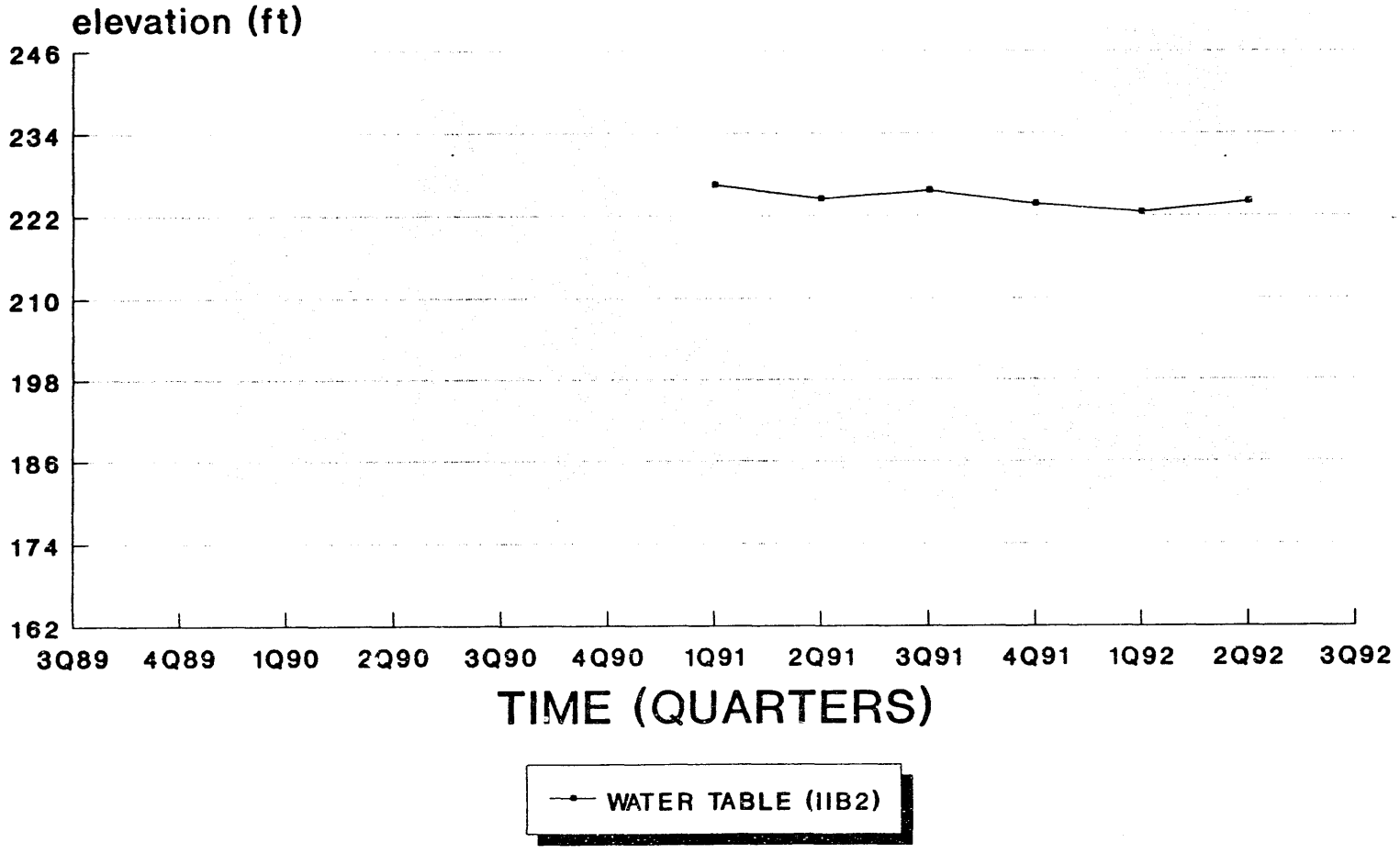
CLUSTER - HSB148

Water Elevations



empty space denotes no data or dry well

HSB149D
Water Elevations



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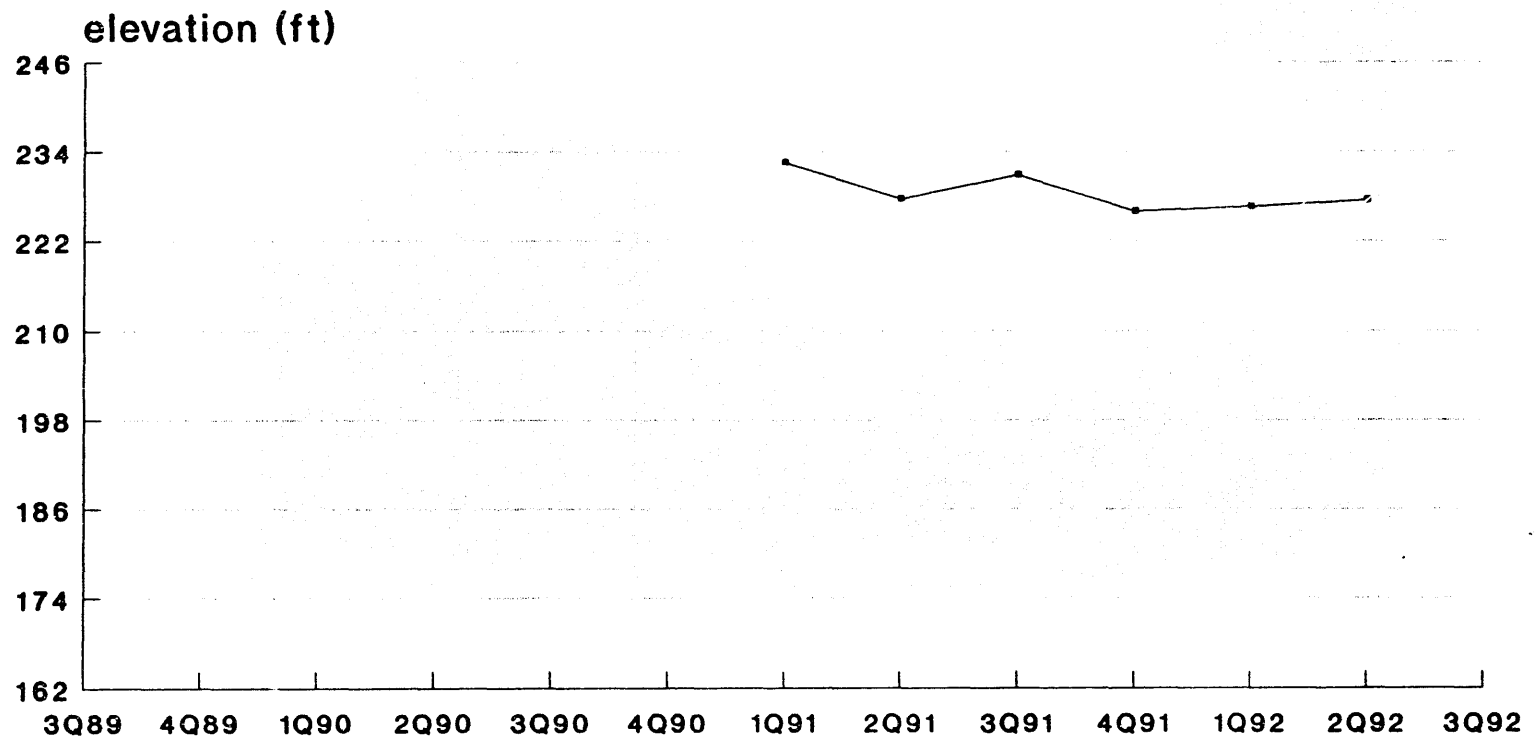
HSB150D
Water Elevations



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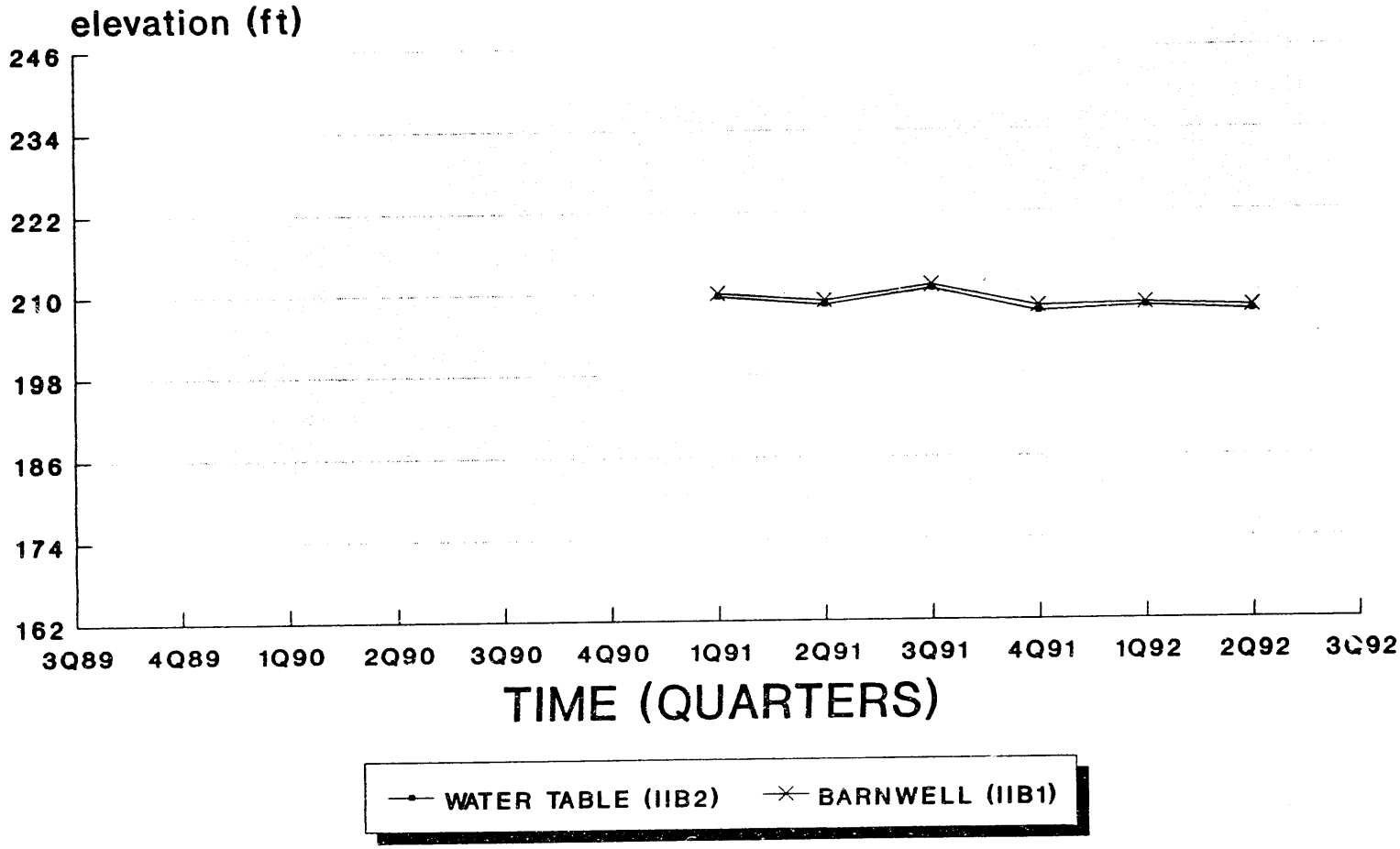
CLUSTER - HSB151

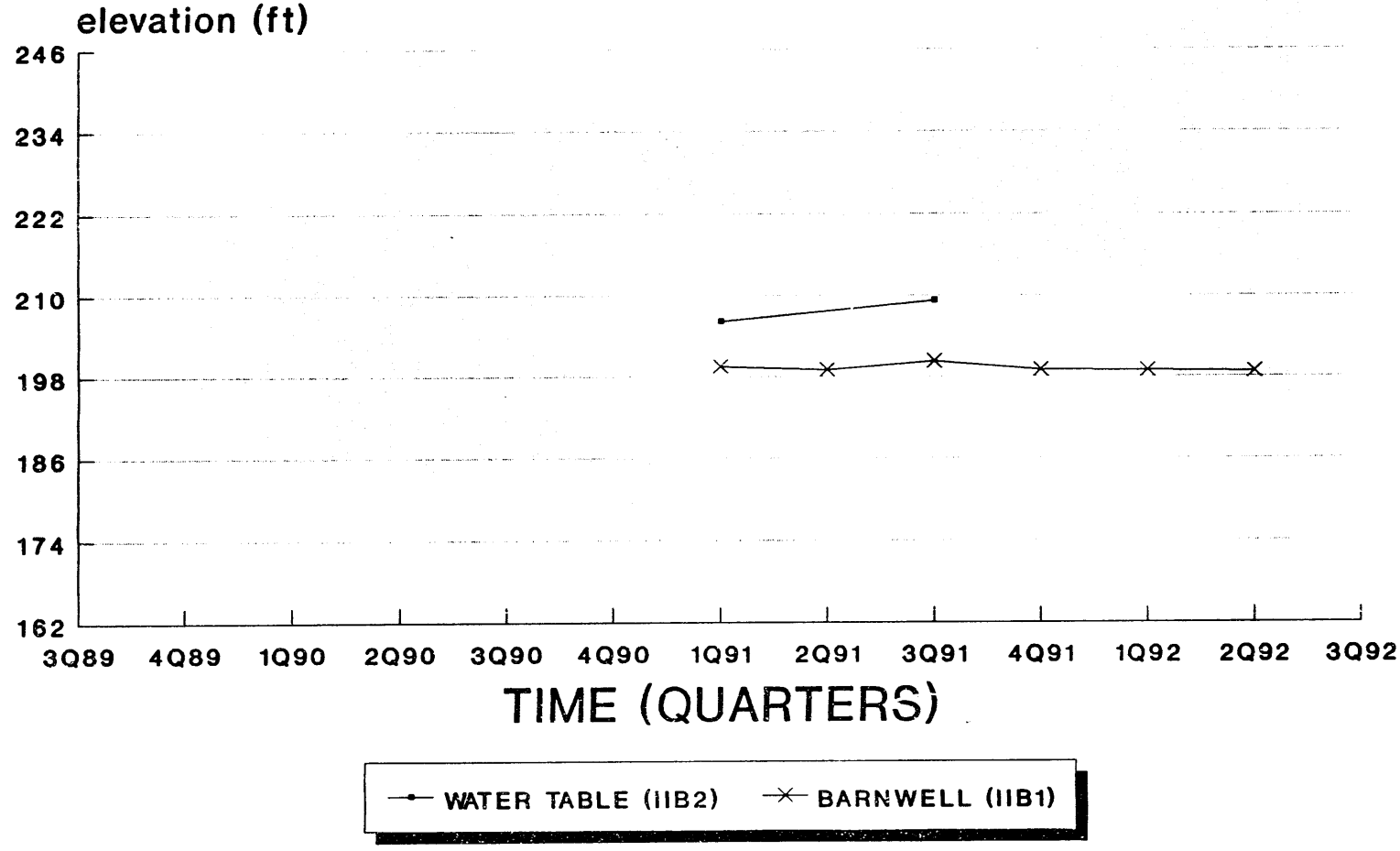
Water Elevations



empty space denotes no data or dry well

CLUSTER - HSB152

Water Elevations



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END

DATE FILMED

3/24/93